

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049866.D
 Acq On : 18 Jul 2018 11:35
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:55 PM

Quant Time: Jul 18 12:06:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	870466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	484875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	429526	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	380841	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.09	98	1433446	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.40	95	499529	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	286695	43.82	ug/l	97
3) Chloromethane	2.06	50	388551	46.15	ug/l	100
4) Vinyl Chloride	2.18	62	424145	46.68	ug/l	100
5) Bromomethane	2.56	94	258852	45.05	ug/l	100
6) Chloroethane	2.70	64	270524	46.91	ug/l	98
7) Trichlorofluoromethane	3.01	101	575664	47.11	ug/l	97
8) Diethyl Ether	3.41	74	209498	47.99	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	349592	47.68	ug/l	100
10) Methyl Iodide	3.95	142	522211	56.92	ug/l	97
11) Tert butyl alcohol	4.80	59	153120	226.63	ug/l	99
12) 1,1-Dichloroethene	3.73	96	318588	48.08	ug/l	99
13) Acrolein	3.61	56	109152	208.36	ug/l	98
14) Allyl chloride	4.32	41	521926	49.61	ug/l	99
15) Acrylonitrile	4.99	53	688901	242.37	ug/l	98
16) Acetone	3.82	43	502921	212.23	ug/l	99
17) Carbon Disulfide	4.05	76	927814	46.00	ug/l	99
18) Methyl Acetate	4.33	43	352197	39.71	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	964321	52.11	ug/l	99
20) Methylene Chloride	4.55	84	381021	46.69	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	353139	50.41	ug/l	99
22) Diisopropyl ether	5.96	45	1144660	54.43	ug/l	98
23) Vinyl Acetate	5.90	43	4081717	263.88	ug/l	100
24) 1,1-Dichloroethane	5.85	63	664667	49.31	ug/l	99
25) 2-Butanone	6.84	43	809333	231.08	ug/l	98
26) 2,2-Dichloropropane	6.82	77	512349	49.93	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	400090	50.95	ug/l	98
28) Bromochloromethane	7.19	49	324660	51.89	ug/l	99
29) Tetrahydrofuran	7.22	42	540414	242.67	ug/l	99
30) Chloroform	7.37	83	687769	49.43	ug/l	98
31) Cyclohexane	7.65	56	559666	43.66	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	586440	49.62	ug/l	99
36) 1,1-Dichloropropene	7.79	75	515904	52.88	ug/l	99
37) Ethyl Acetate	6.93	43	362418	49.81	ug/l	99
38) Carbon Tetrachloride	7.77	117	524213	51.00	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	535729	53.32	ug/l	99
40) Benzene	8.04	78	1540806	52.10	ug/l	100
41) Methacrylonitrile	7.18	41	174317	46.66	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	505254	50.24	ug/l	100
43) Isopropyl Acetate	8.17	43	638909	51.61	ug/l	97
44) Trichloroethene	8.84	130	398278	51.19	ug/l	99
45) 1,2-Dichloropropane	9.12	63	410278	52.07	ug/l	100
46) Dibromomethane	9.21	93	257008	51.13	ug/l	98
47) Bromodichloromethane	9.40	83	533706	52.24	ug/l	96
48) Methyl methacrylate	9.20	41	322167	52.48	ug/l	98
49) 1,4-Dioxane	9.20	88	95407	1025.26	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1869079	256.67	ug/l	100
52) Toluene	10.16	92	972936	54.89	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	548701	55.01	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	610877	54.57	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	368812	50.71	ug/l	99
56) Ethyl methacrylate	10.43	69	496040	56.31	ug/l	98
57) 1,3-Dichloropropane	10.71	76	613743	52.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1189243	286.01	ug/l	100
59) 2-Hexanone	10.75	43	1287763	257.93	ug/l	100
60) Dibromochloromethane	10.90	129	424133	52.37	ug/l	100
61) 1,2-Dibromoethane	11.01	107	368967	51.76	ug/l	99
64) Tetrachloroethene	10.63	164	370199	50.01	ug/l	99
65) Chlorobenzene	11.43	112	1061921	51.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	402289	50.77	ug/l	99
67) Ethyl Benzene	11.51	91	1846099	55.65	ug/l	100
68) m/p-Xylenes	11.62	106	1438708	114.30	ug/l	99
69) o-Xylene	11.95	106	685986	57.15	ug/l	98
70) Styrene	11.97	104	1151109	59.17	ug/l	100
71) Bromoform	12.13	173	310432	50.87	ug/l #	99
73) Isopropylbenzene	12.25	105	1842992	52.49	ug/l	100
74) N-amyl acetate	12.07	43	581266	50.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	502203	44.60	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	429087m	45.23	ug/l	
77) Bromobenzene	12.53	156	479943	49.87	ug/l	98
78) n-propylbenzene	12.59	91	2143529	54.25	ug/l	100
79) 2-Chlorotoluene	12.68	91	1271767	52.14	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1534509	55.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	144732	49.93	ug/l	99
82) 4-Chlorotoluene	12.77	91	1301210	53.99	ug/l	100
83) tert-Butylbenzene	12.99	119	1327704	55.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1577257	56.22	ug/l	100
85) sec-Butylbenzene	13.17	105	1777806	54.80	ug/l	100
86) p-Isopropyltoluene	13.29	119	1548517	56.45	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	856512	51.78	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	837137	51.52	ug/l	99
89) n-Butylbenzene	13.62	91	1276807	56.76	ug/l	100
90) Hexachloroethane	13.88	117	288828	46.88	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	839252	49.89	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77707	41.17	ug/l	96

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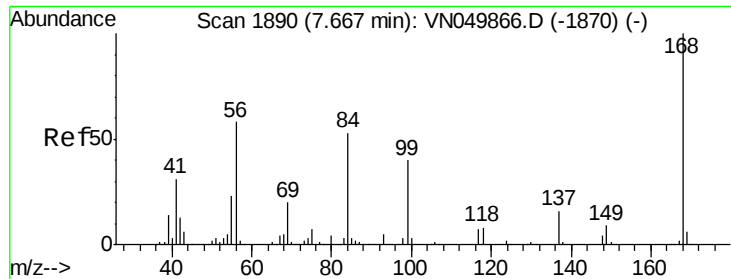
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	438261	58.51	ug/l	99
94) Hexachlorobutadiene	15.01	225	250505	47.67	ug/l	99
95) Naphthalene	15.14	128	1036395	57.97	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	439975	55.55	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 635210

Ion Ratio Lower Upper

168 100

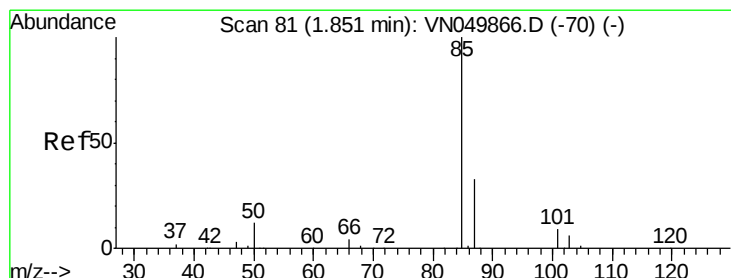
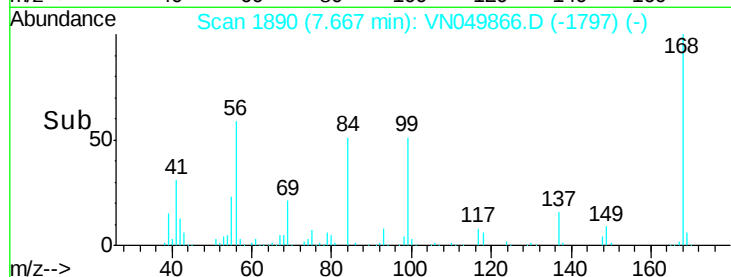
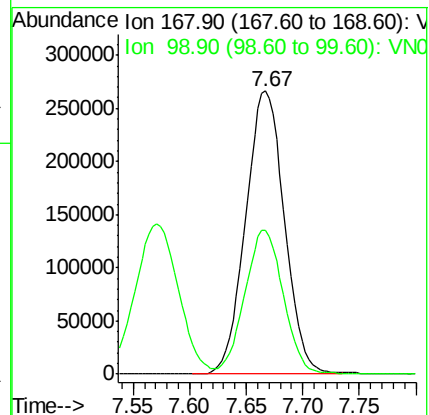
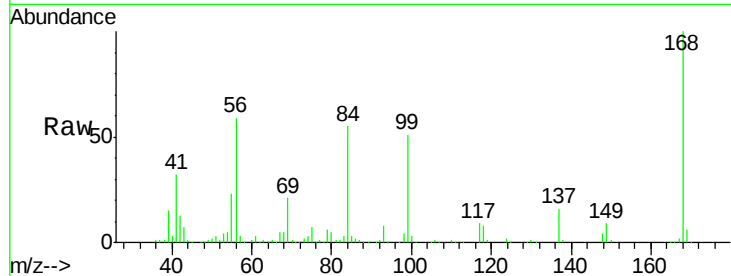
99 50.5 40.6 61.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.82 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049866.D

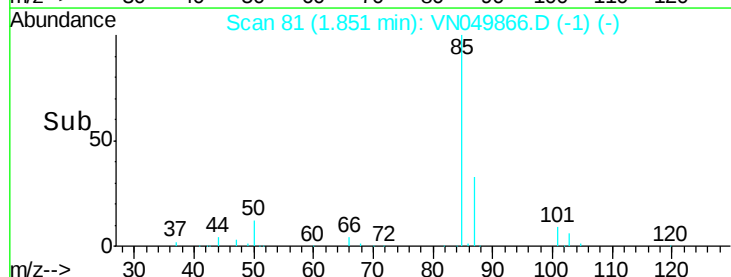
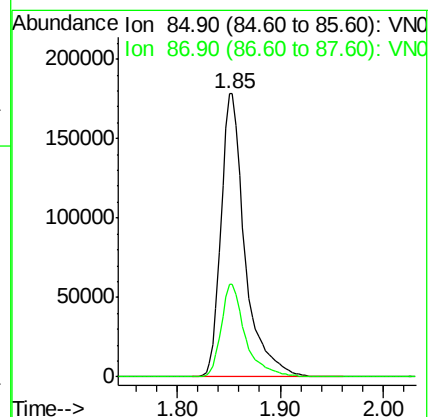
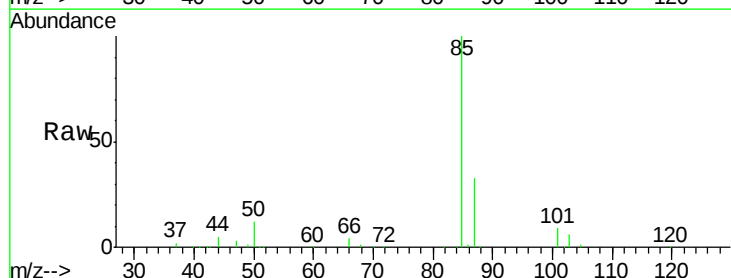
Acq: 18 Jul 2018 11:35

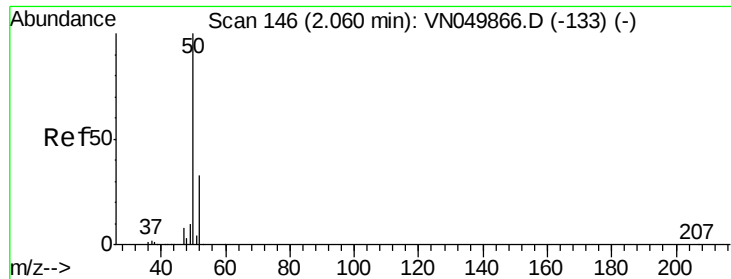
Tgt Ion: 85 Resp: 286695

Ion Ratio Lower Upper

85 100

87 32.6 15.4 46.1





#3

Chloromethane

Concen: 46.15 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 388551

Ion Ratio Lower Upper

50 100

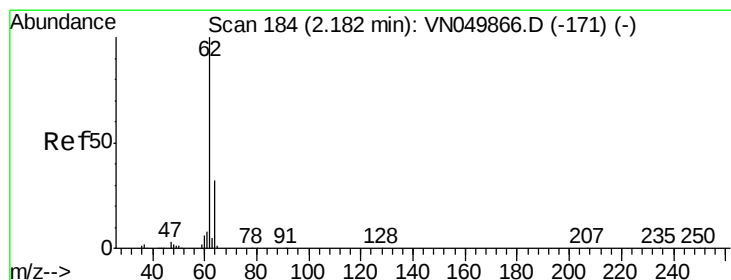
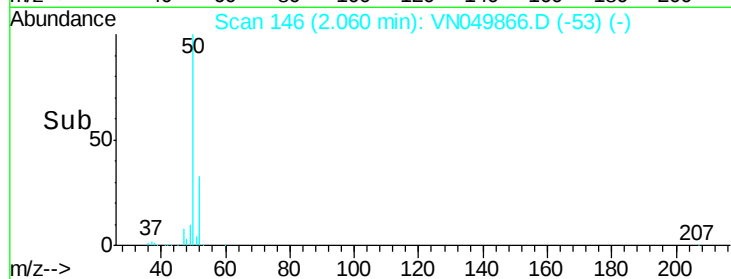
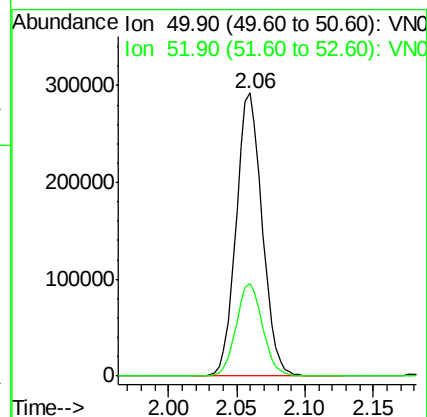
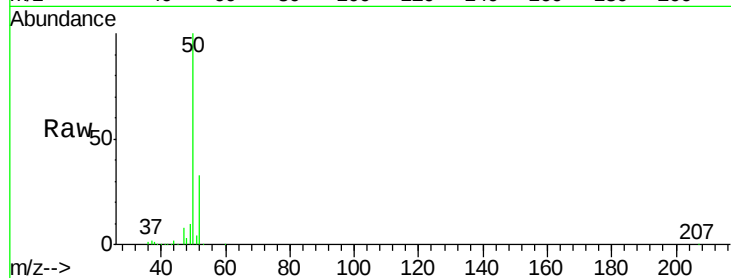
52 32.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.68 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049866.D

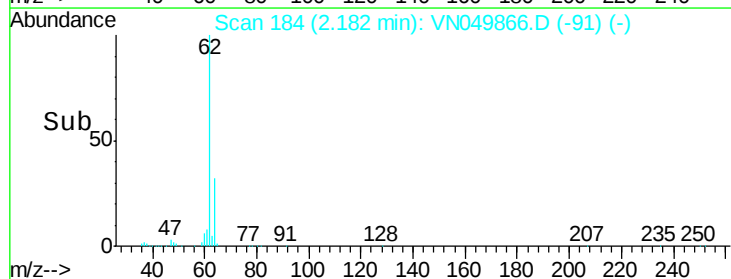
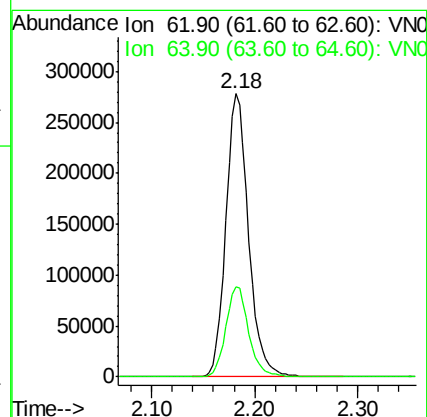
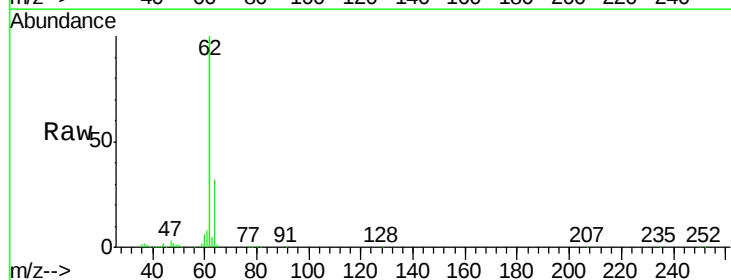
Acq: 18 Jul 2018 11:35

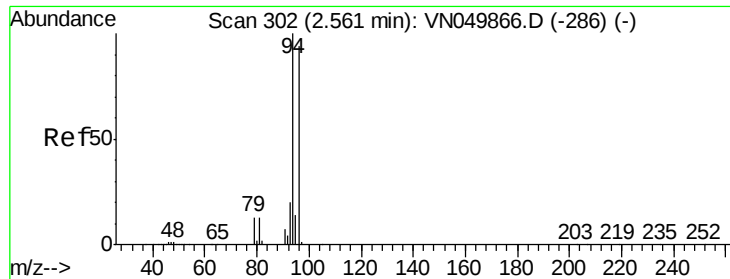
Tgt Ion: 62 Resp: 424145

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 45.05 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 258852

Ion Ratio Lower Upper

94 100

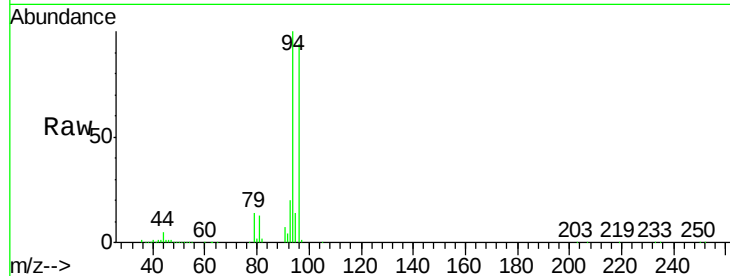
96 94.3 75.7 113.5

Manual Integrations

APPROVED

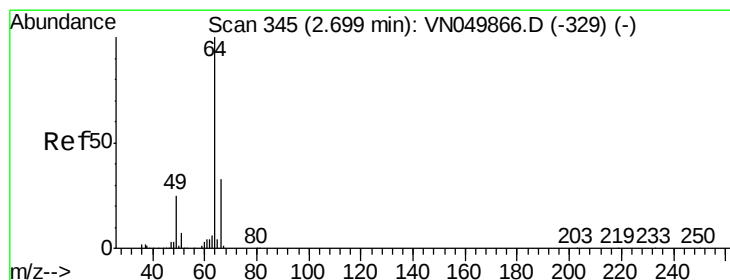
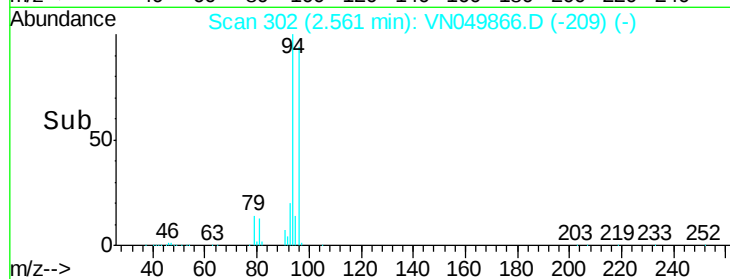
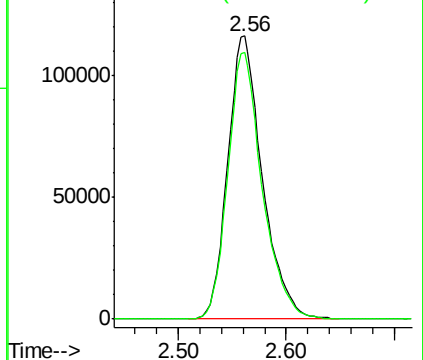
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.91 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049866.D

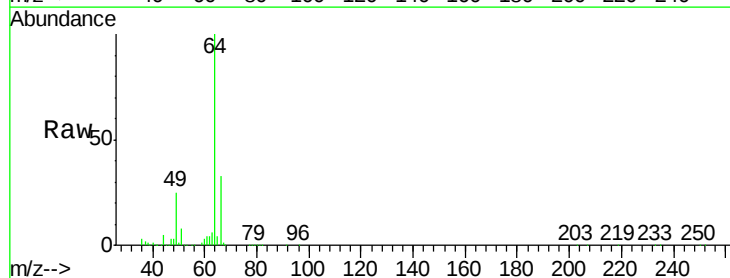
Acq: 18 Jul 2018 11:35

Tgt Ion: 64 Resp: 270524

Ion Ratio Lower Upper

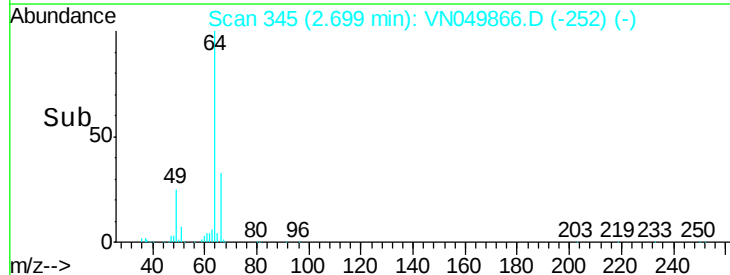
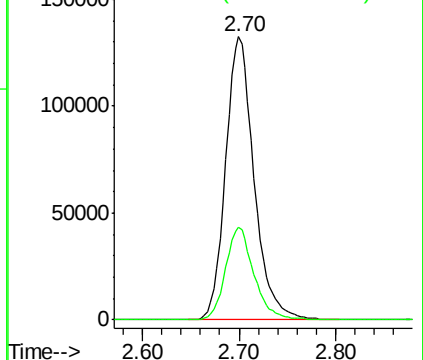
64 100

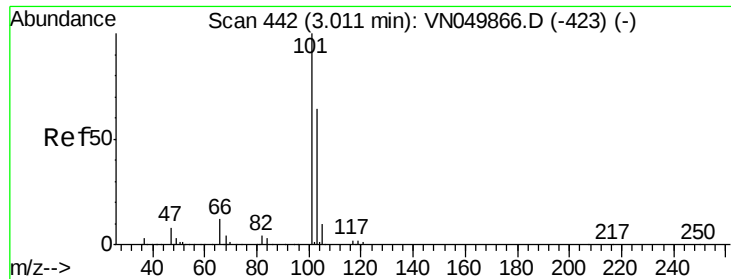
66 32.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

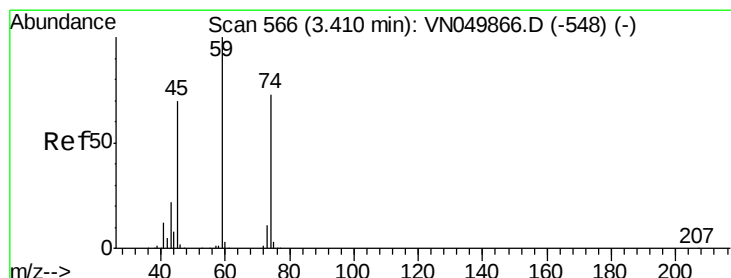
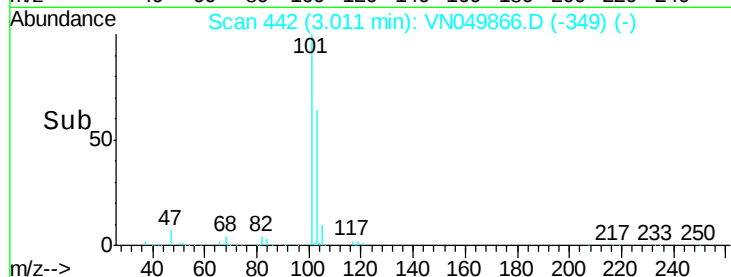
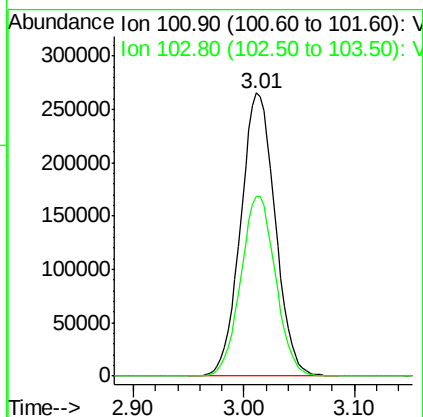
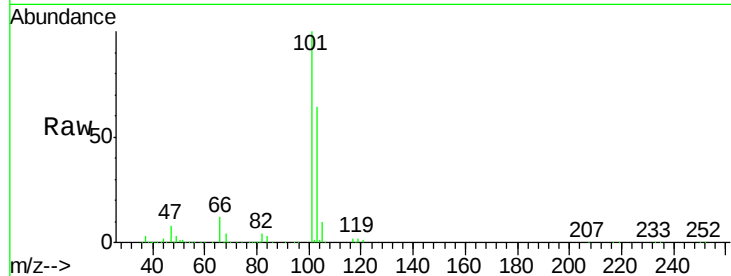
Trichlorofluoromethane
 Concen: 47.11 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.8	79.2

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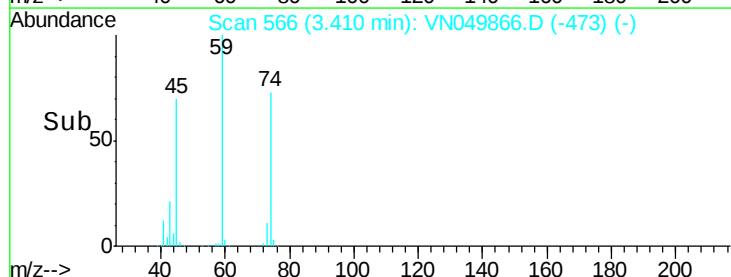
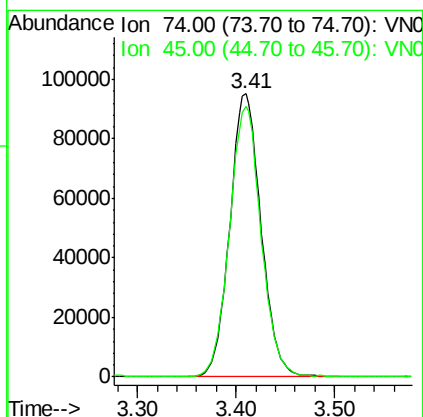
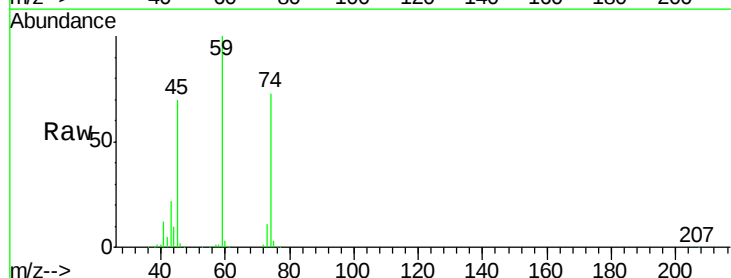
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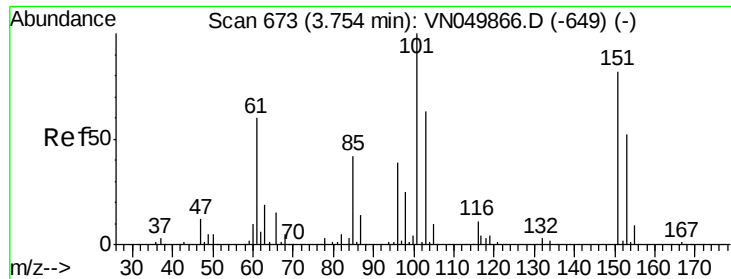


#8

Diethyl Ether
 Concen: 47.99 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.4	145.2





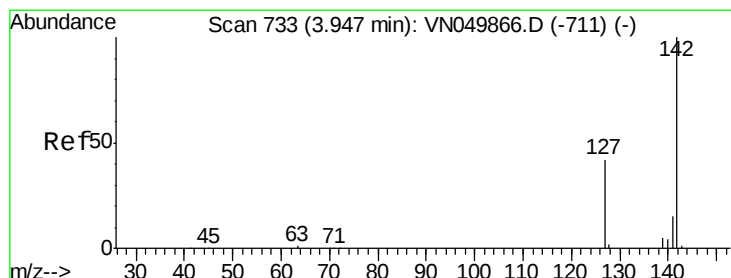
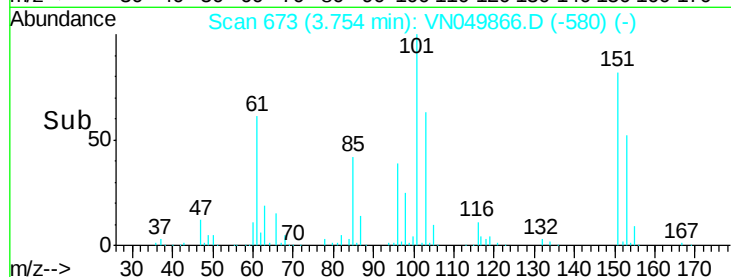
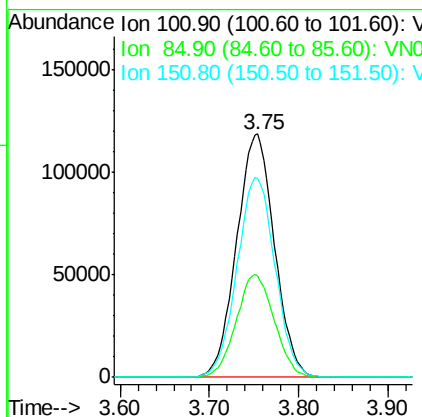
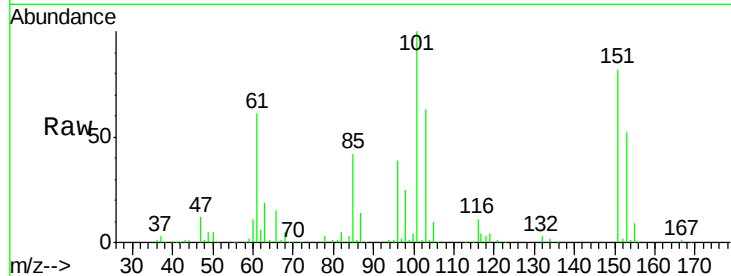
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.68 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	349592		
85	42.6	34.4	51.6	
151	82.9	66.2	99.4	

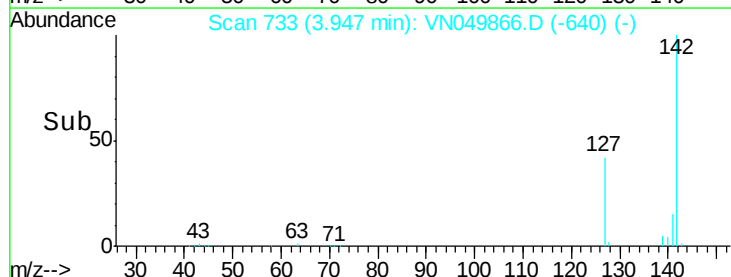
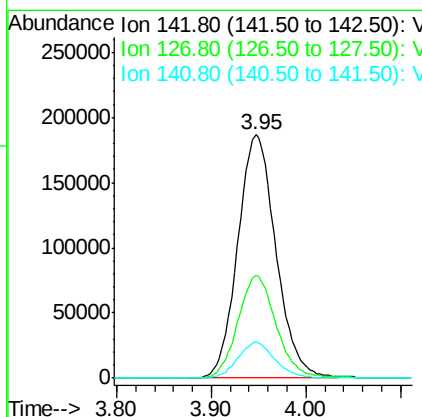
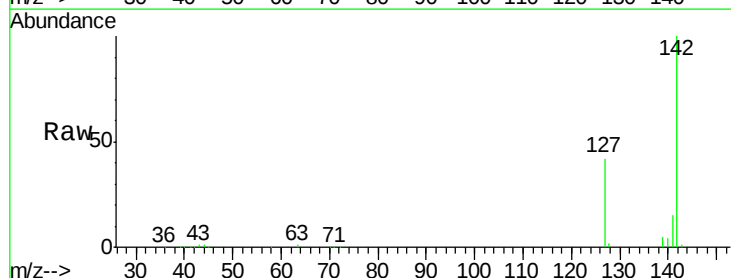
Manual Integrations
 APPROVED

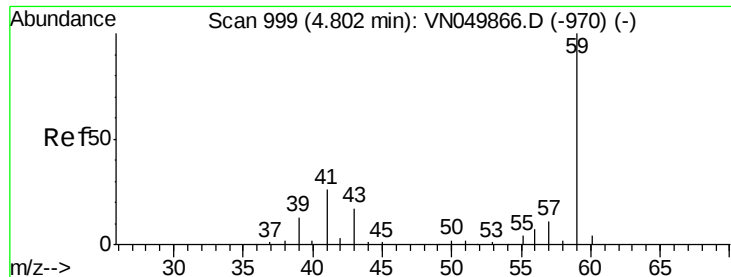
MMDadoda
 7/19/2018 4:28:55 PM



#10
 Methyl Iodide
 Concen: 56.92 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	522211		
127	42.4	32.5	48.7	
141	14.6	11.1	16.7	





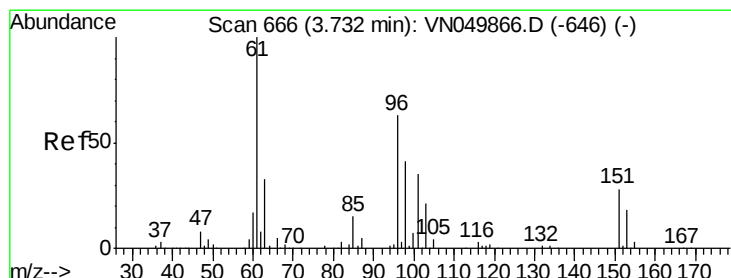
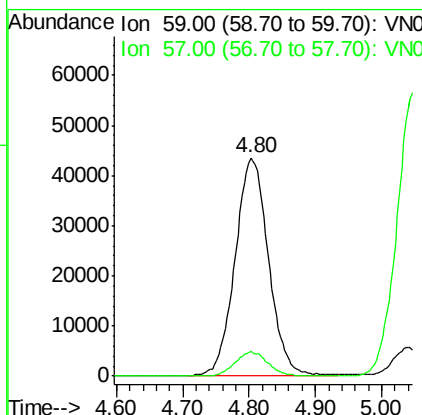
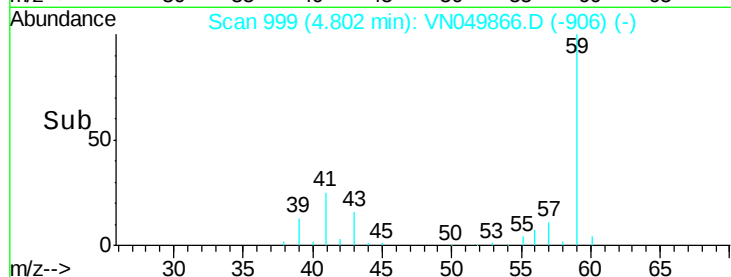
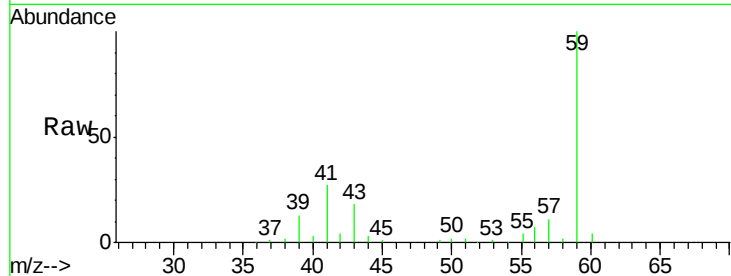
#11
Tert butyl alcohol
Concen: 226.63 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7

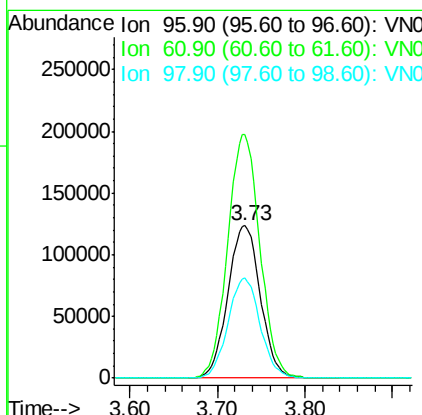
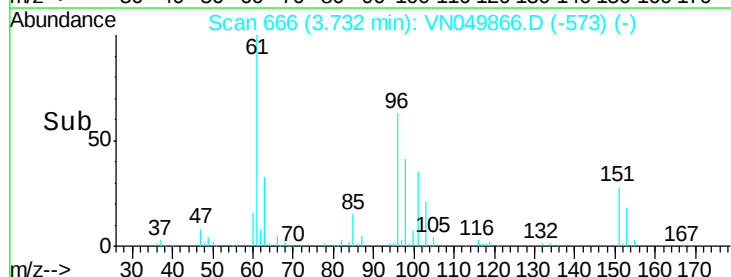
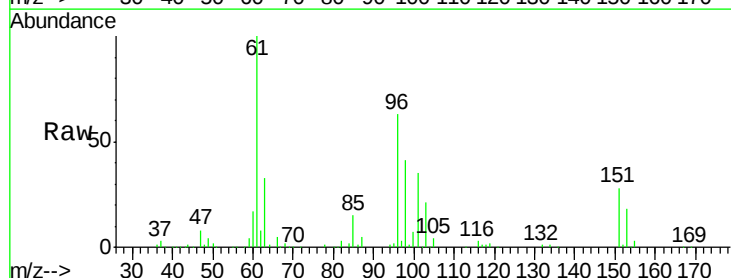
Manual Integrations
APPROVED

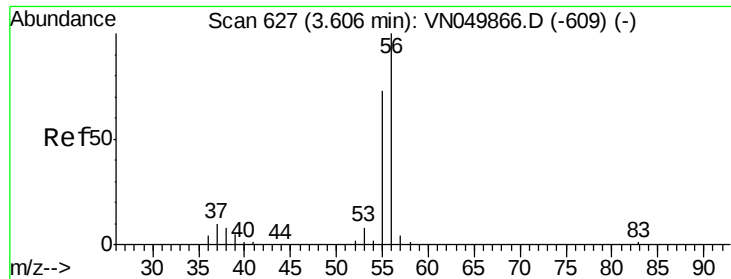
MMDadoda
7/19/2018 4:28:55 PM



#12
1,1-Dichloroethene
Concen: 48.08 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	126.5	189.7
98	65.3	51.0	76.6





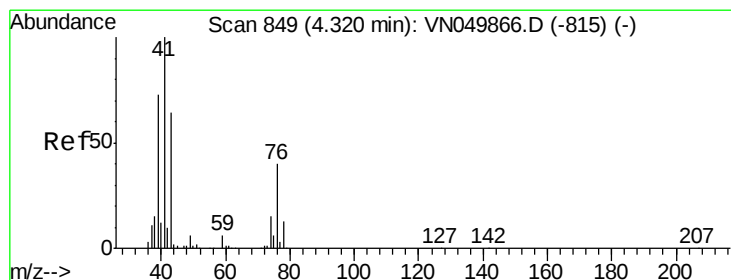
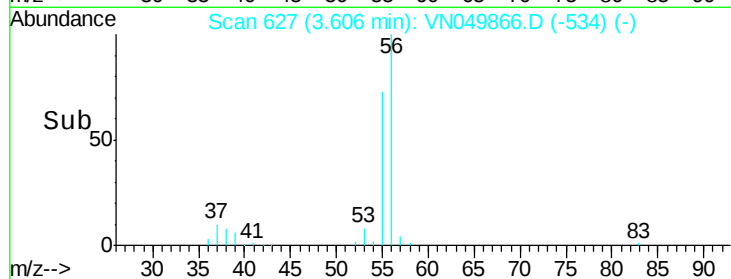
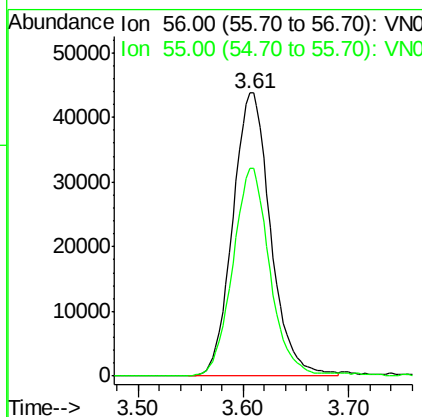
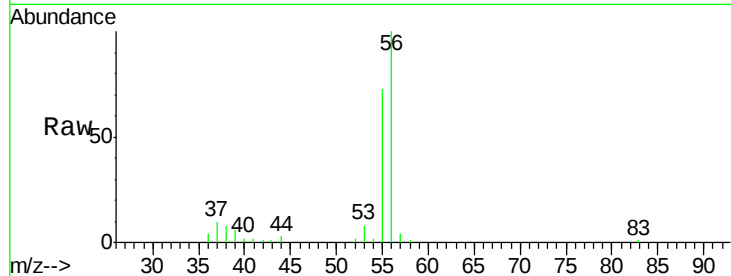
#13
 Acrolein
 Concen: 208.36 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	55.8	83.8

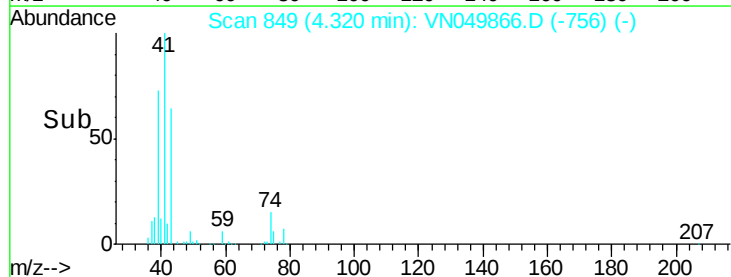
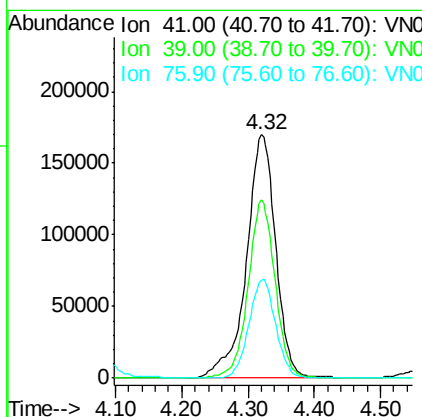
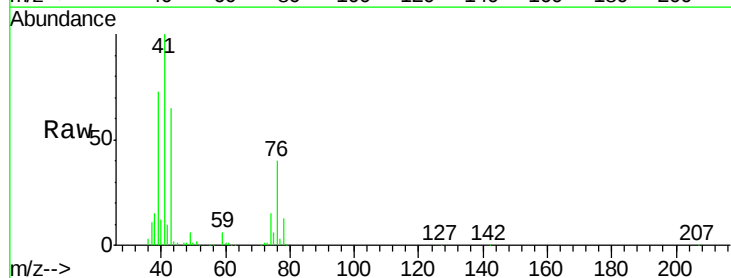
Manual Integrations
 APPROVED

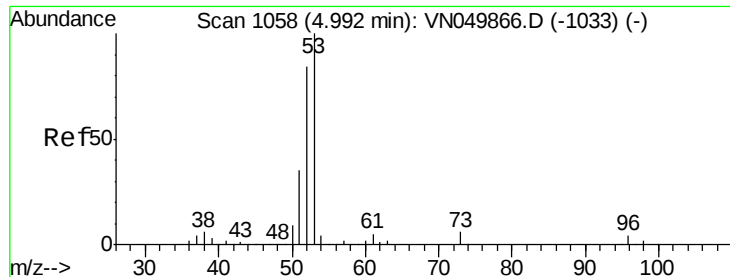
MMDadoda
 7/19/2018 4:28:55 PM



#14
 Allyl chloride
 Concen: 49.61 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.2	79.8
76	36.5	29.0	43.6





#15

Acrylonitrile

Concen: 242.37 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

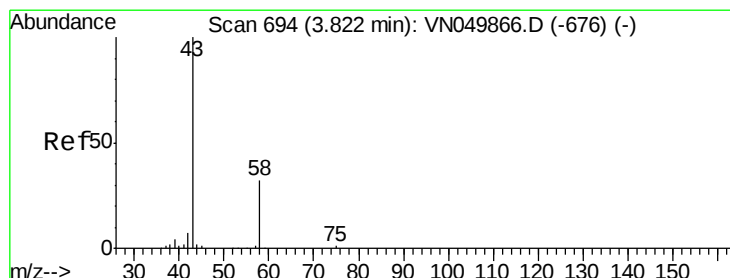
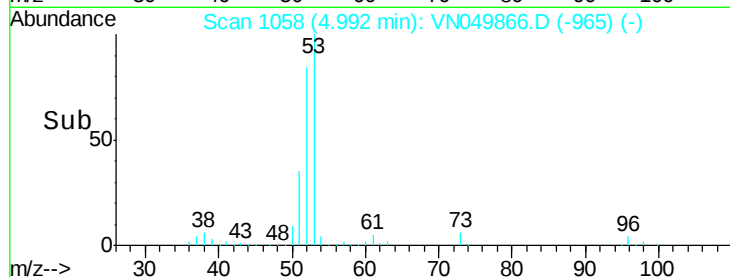
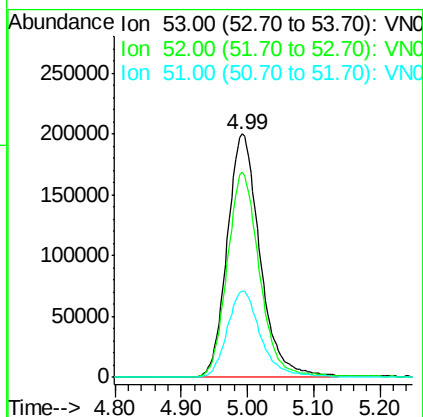
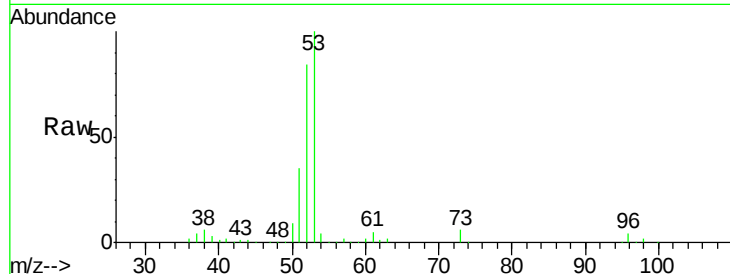
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	688901
Ion	Ratio	Lower	Upper
53	100		
52	82.8	64.8	97.2
51	36.4	28.9	43.3

Manual Integrations
APPROVED

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7/19/2018 4:28:55 PM



#16

Acetone

Concen: 212.23 ug/l

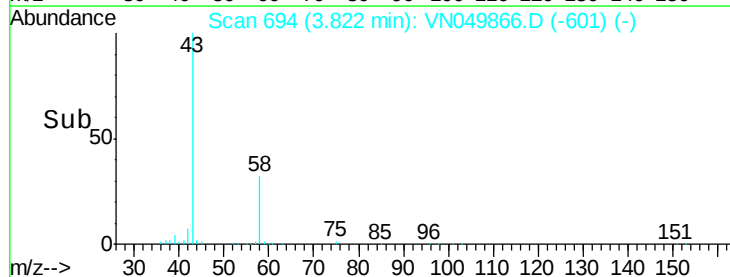
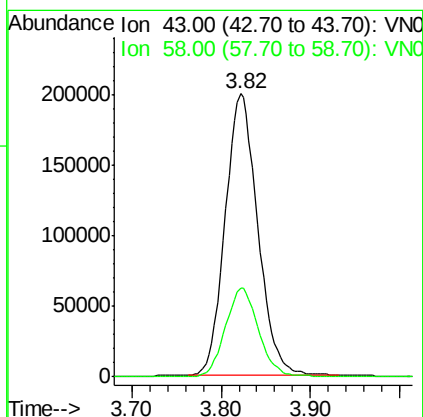
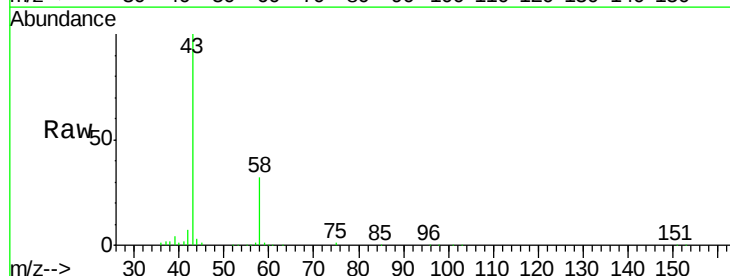
RT: 3.82 min Scan# 694

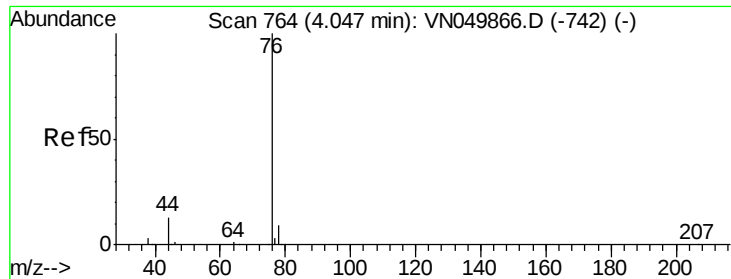
Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Tgt Ion:	43	Resp:	502921
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.9	38.9





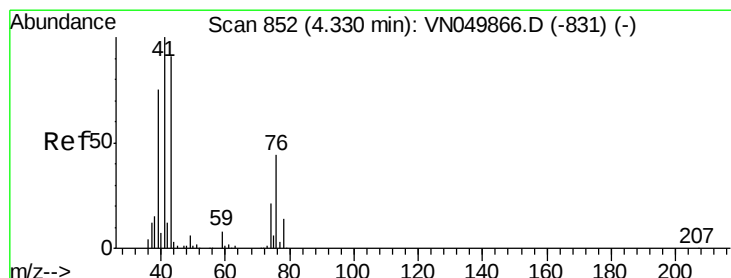
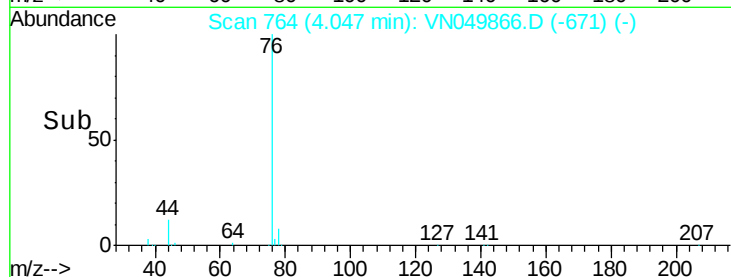
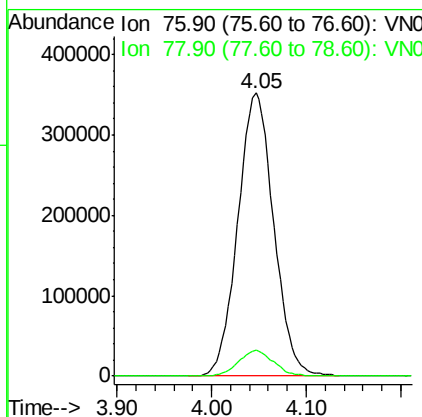
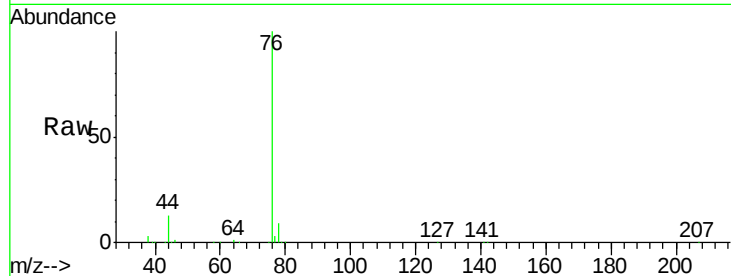
#17
Carbon Disulfide
Concen: 46.00 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

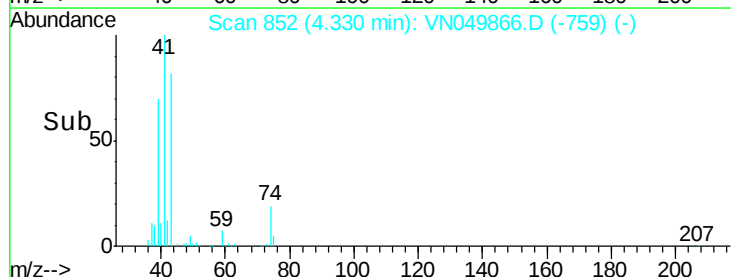
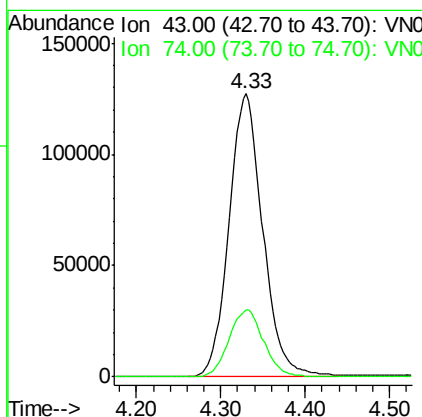
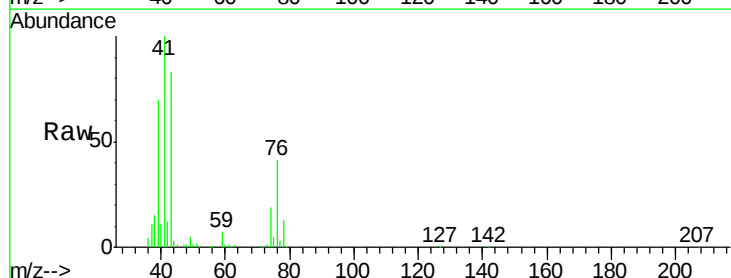
Manual Integrations
APPROVED

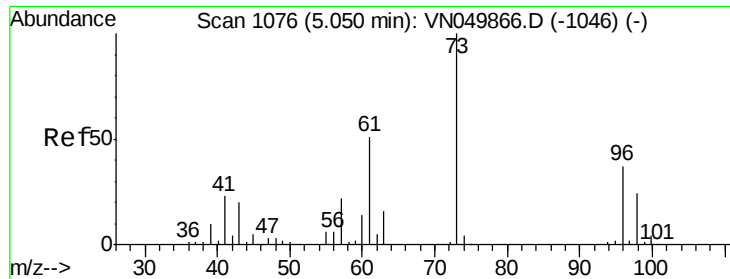
MMDadoda
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#18
Methyl Acetate
Concen: 39.71 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.8	29.8





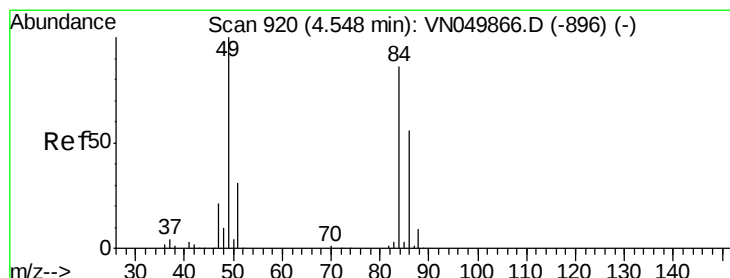
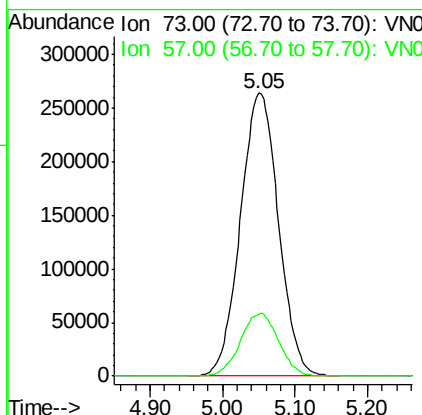
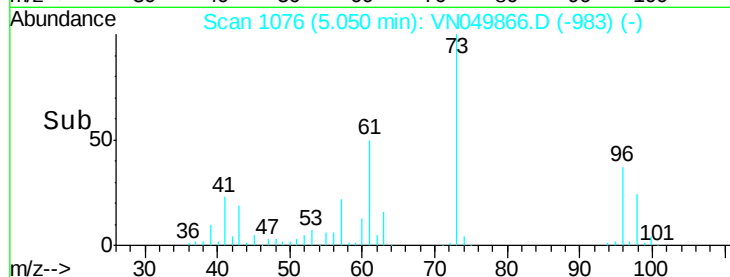
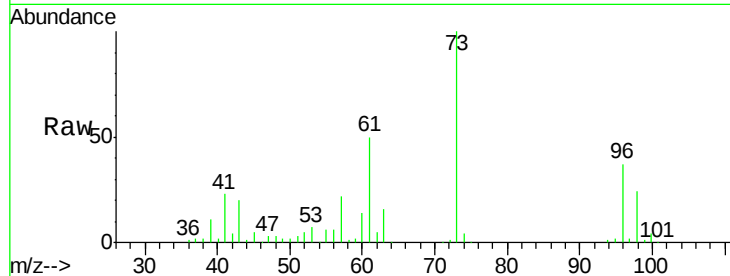
#19
Methyl tert-butyl Ether
Concen: 52.11 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.1	27.1

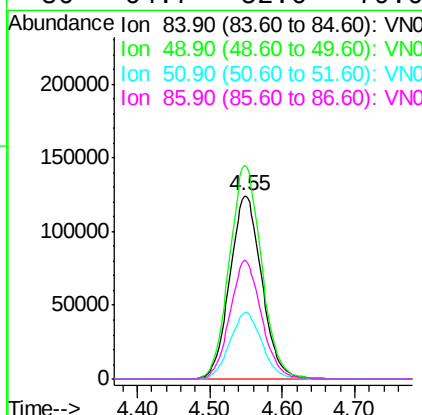
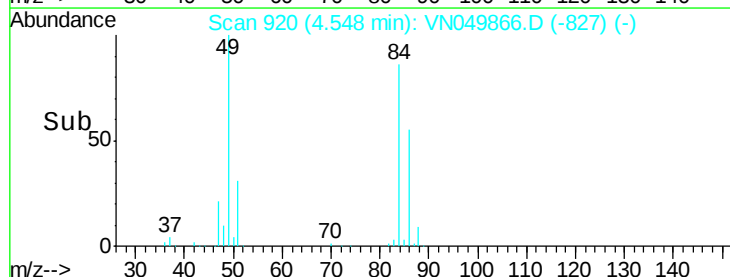
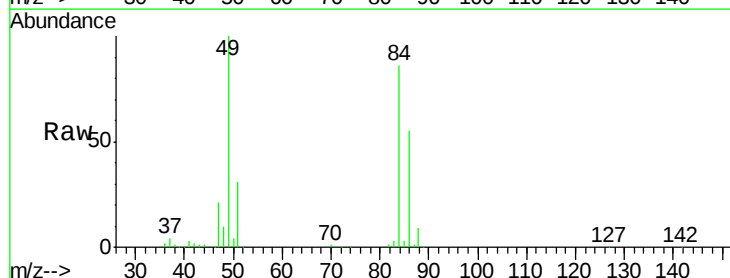
Manual Integrations
APPROVED

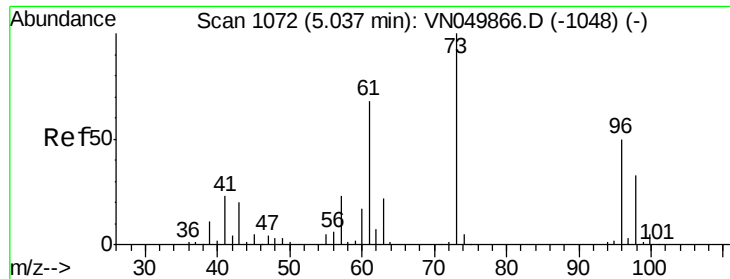
MMDadoda
7/19/2018 4:28:55 PM



#20
Methylene Chloride
Concen: 46.69 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	95.4	143.2
51	36.1	28.4	42.6
86	64.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 50.41 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 353139

Ion Ratio Lower Upper

96 100

61 135.6 109.0 163.6

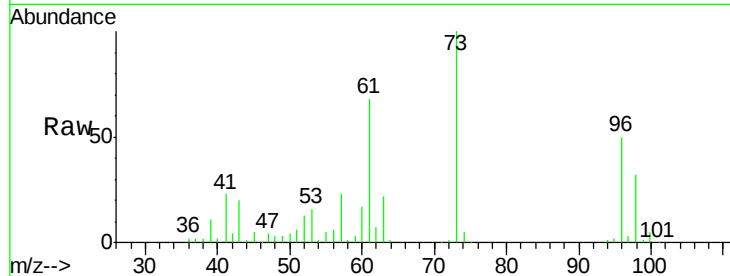
98 64.7 51.1 76.7

Manual Integrations

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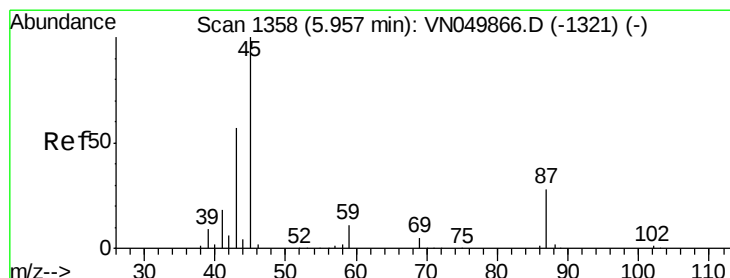
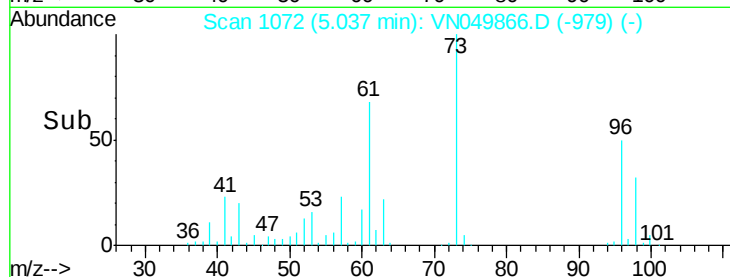
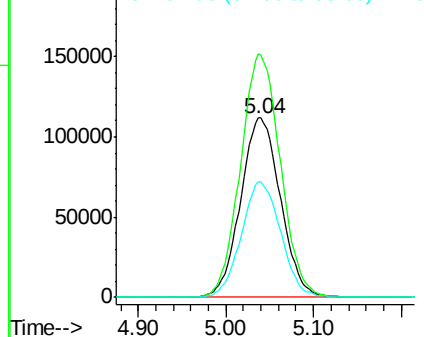


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 54.43 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Tgt Ion: 45 Resp: 1144660

Ion Ratio Lower Upper

45 100

43 57.6 48.1 72.1

87 28.2 22.6 34.0

59 11.4 9.2 13.8

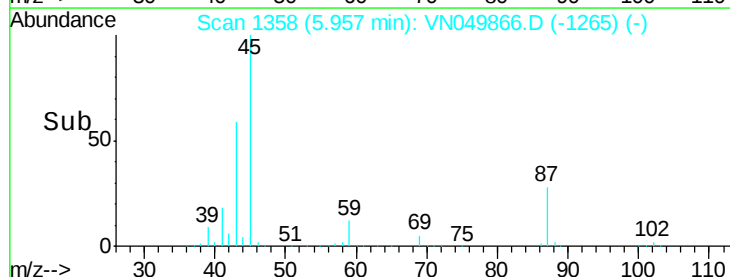
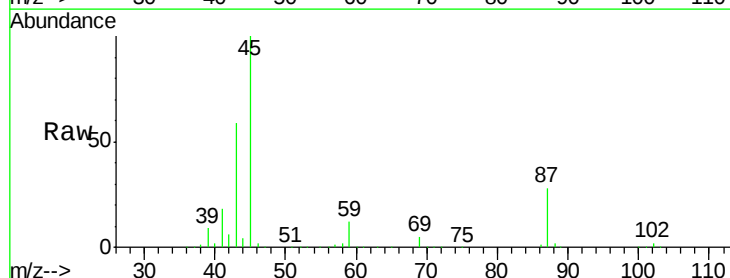
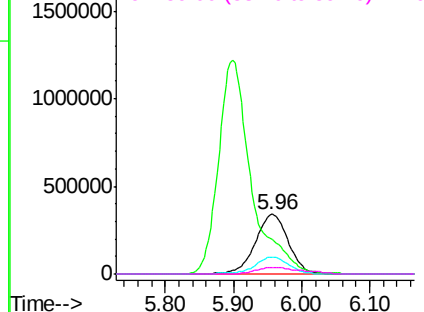
Abundance

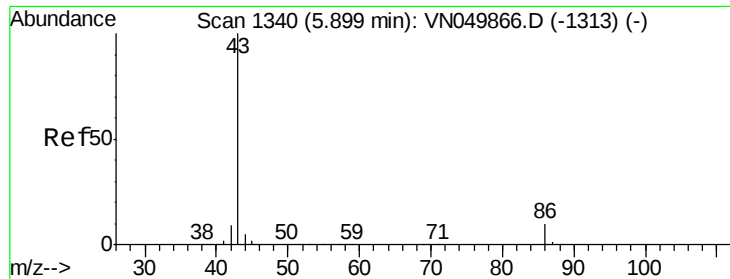
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 263.88 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 4081717

Ion Ratio Lower Upper

43 100

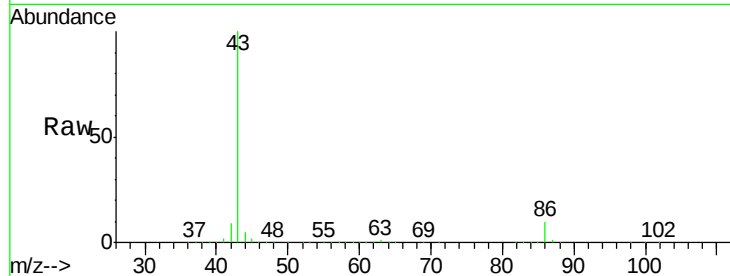
86 10.5 8.4 12.6

Manual Integrations

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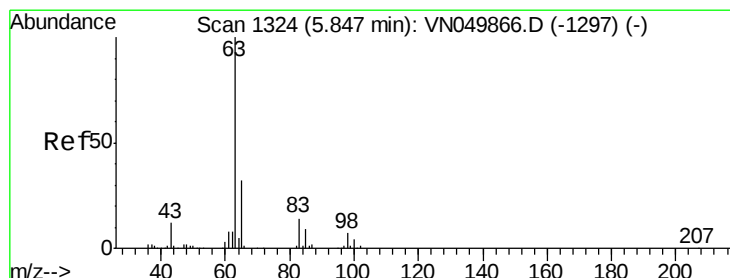
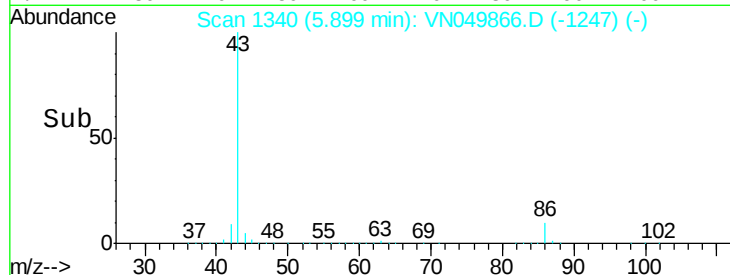
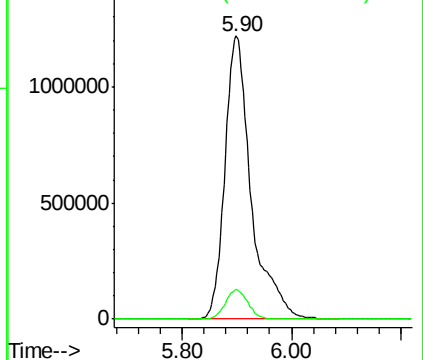
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.31 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

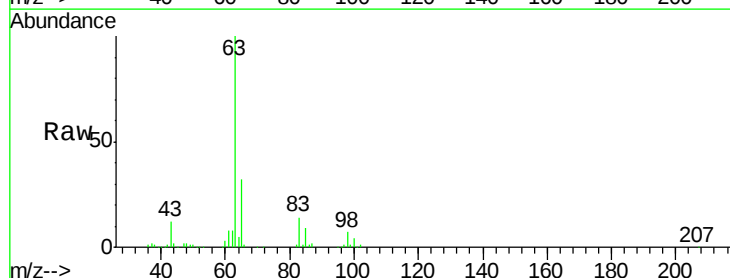
Tgt Ion: 63 Resp: 664667

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

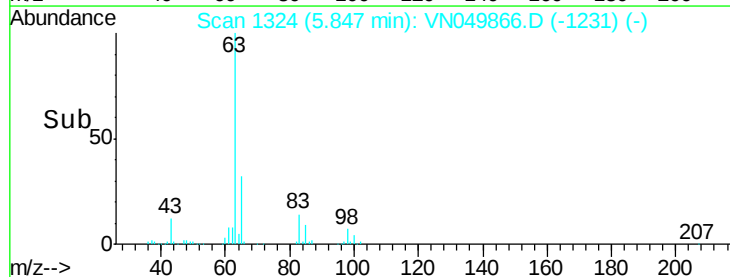
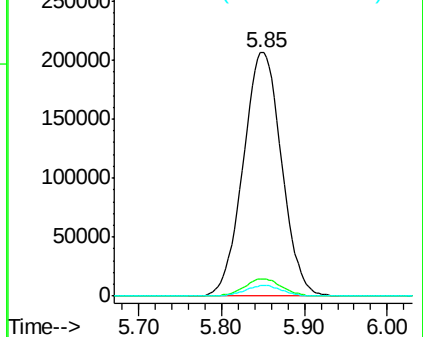
100 4.2 2.2 6.6

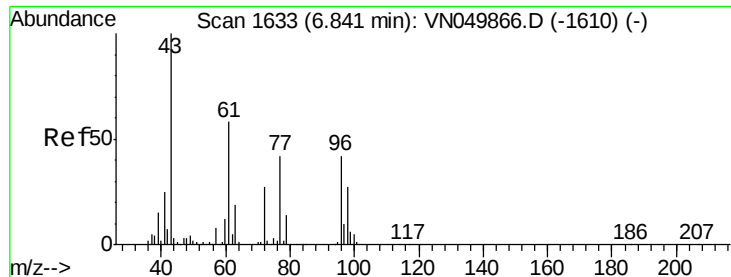


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 231.08 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 809333

Ion Ratio Lower Upper

43 100

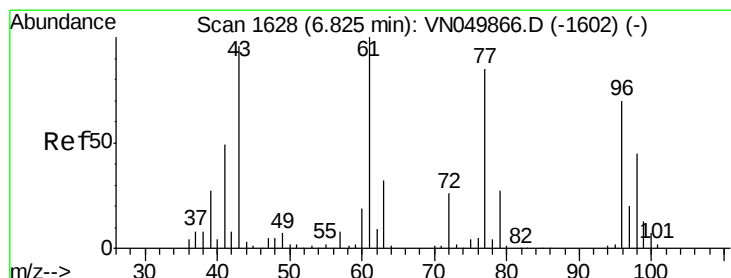
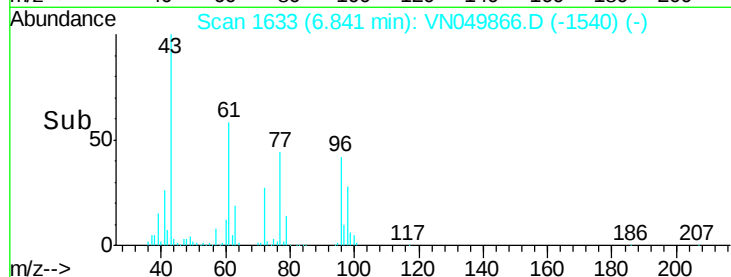
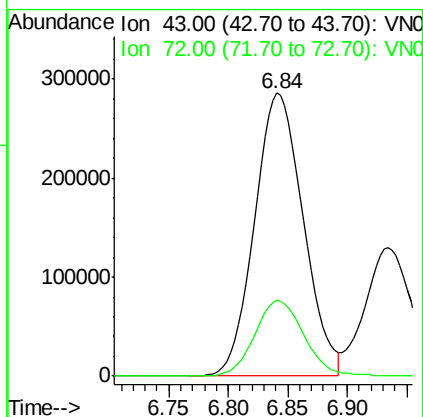
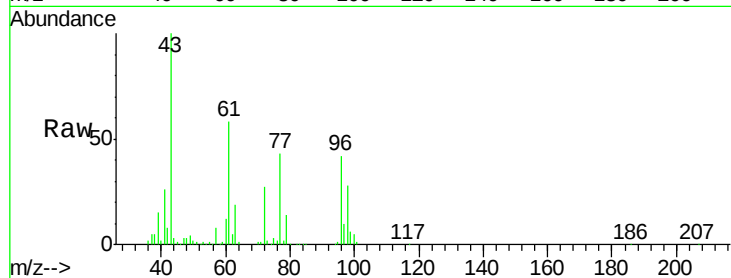
72 26.8 22.1 33.1

Manual Integrations

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7/19/2018 4:28:55 PM



#26

2,2-Dichloropropane

Concen: 49.93 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049866.D

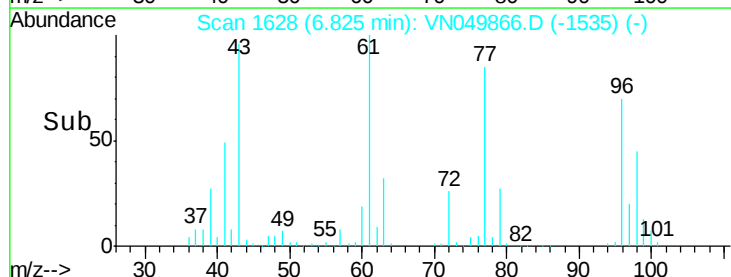
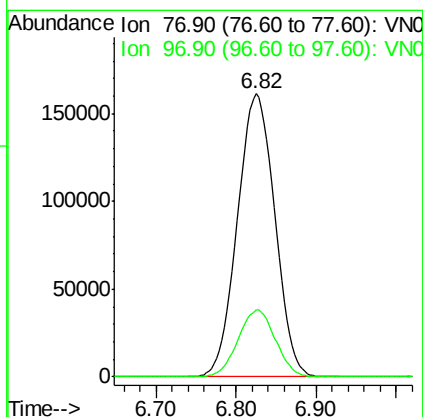
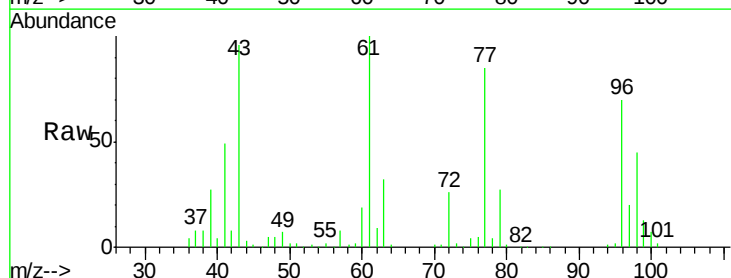
Acq: 18 Jul 2018 11:35

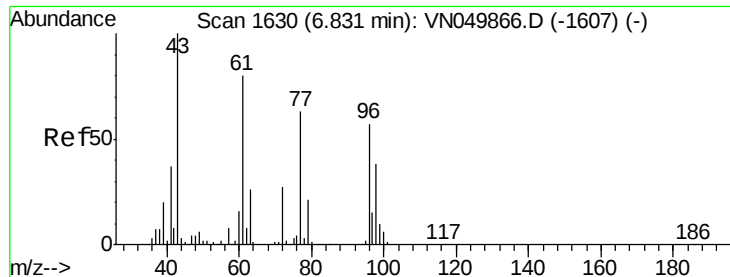
Tgt Ion: 77 Resp: 512349

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 50.95 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

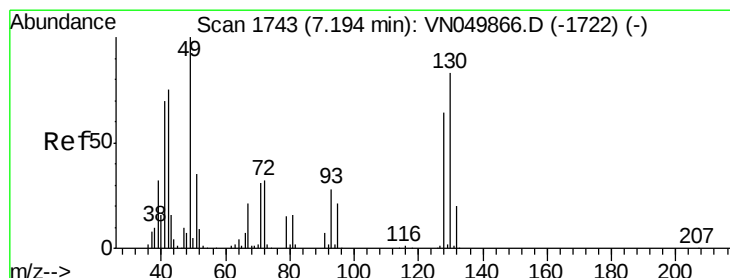
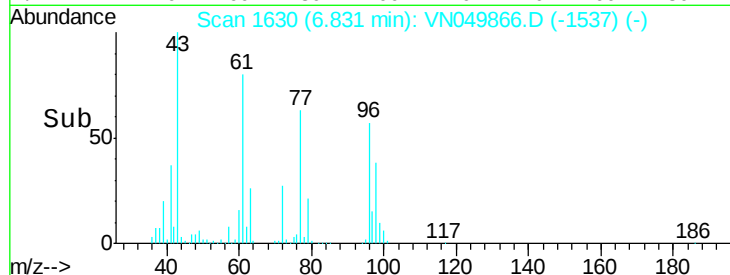
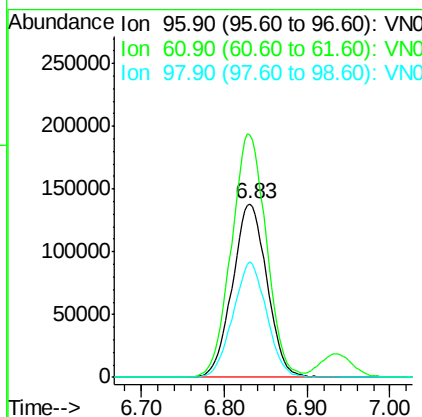
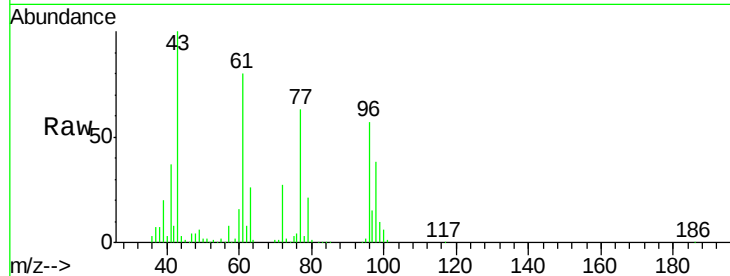
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	400090
Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	289.0
98	64.9	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 51.89 ug/l

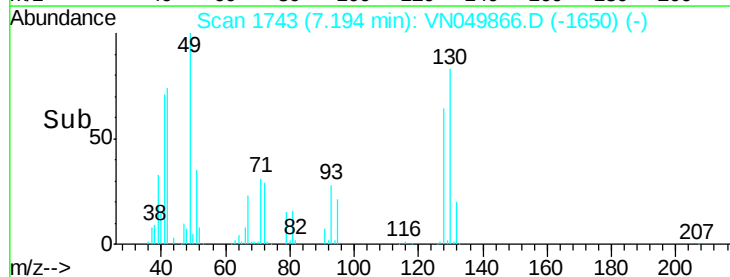
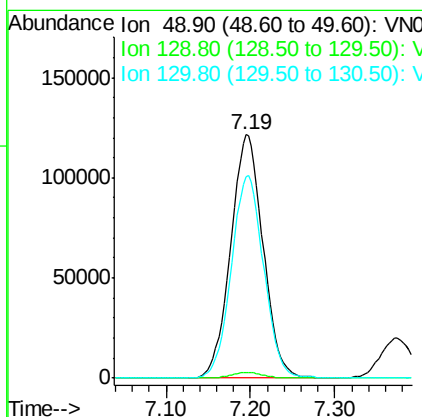
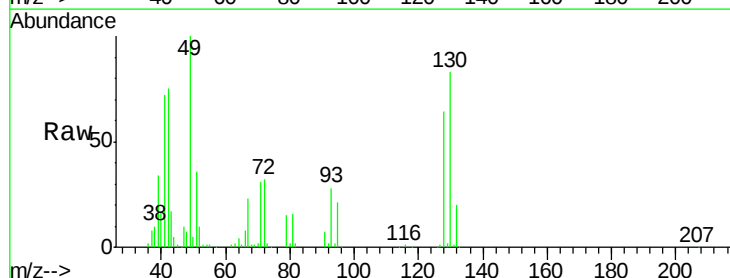
RT: 7.19 min Scan# 1743

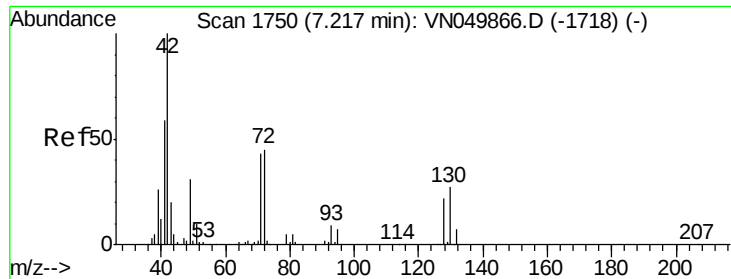
Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Tgt Ion:	49	Resp:	324660
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.2	65.5	98.3





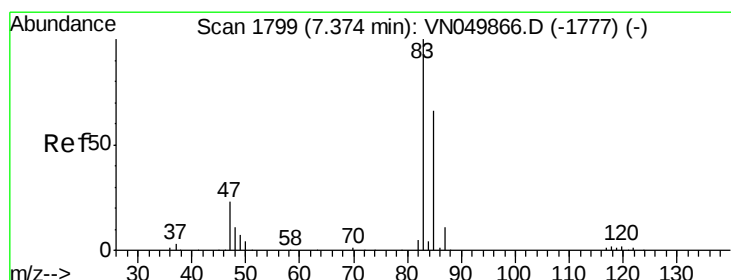
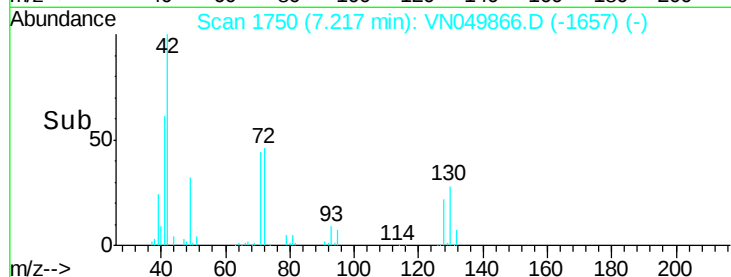
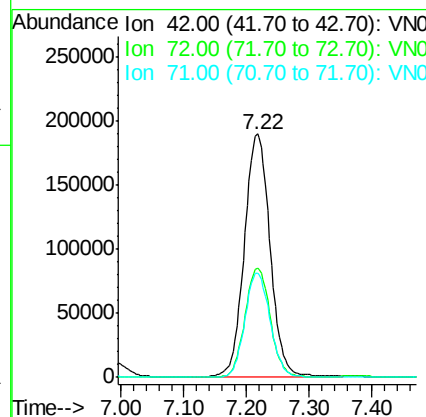
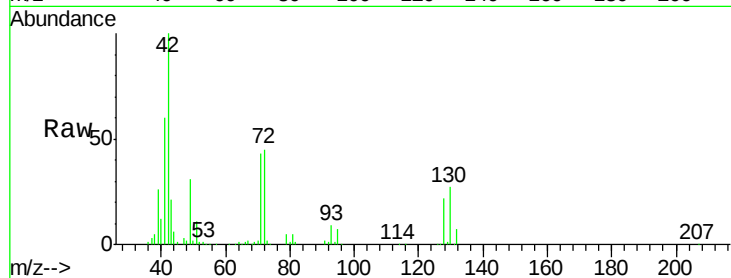
#29
Tetrahydrofuran
Concen: 242.67 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	42.0	34.0	51.0

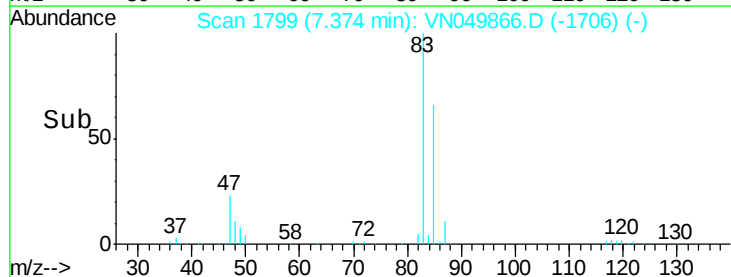
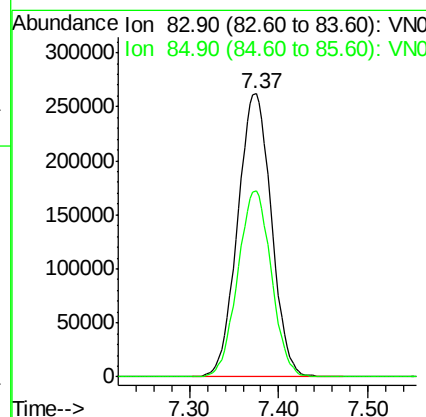
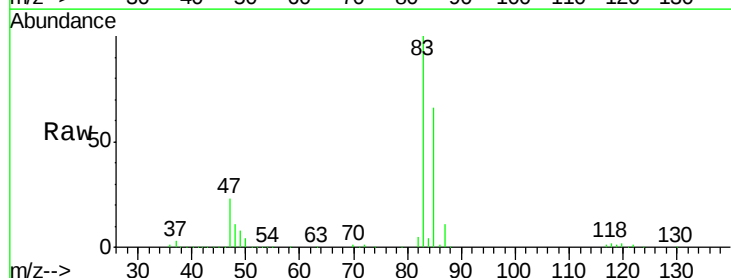
Manual Integrations
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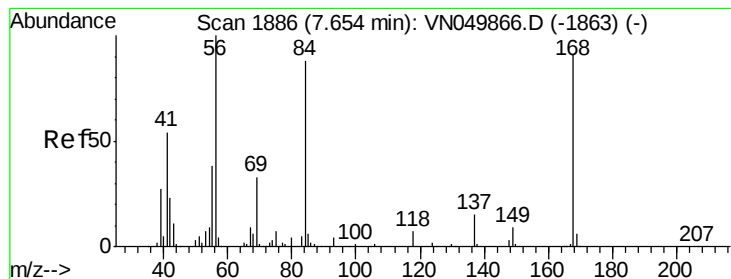
MMDadoda
7/19/2018 4:28:55 PM



#30
Chloroform
Concen: 49.43 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2





#31

Cyclohexane

Concen: 43.66 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

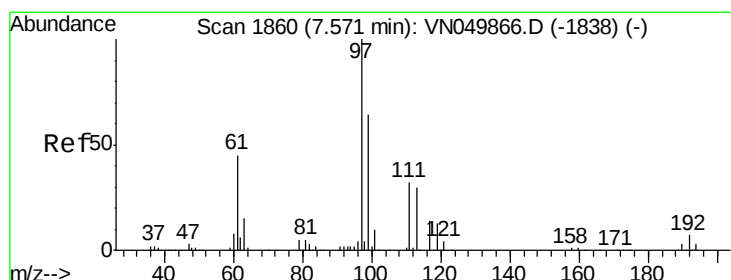
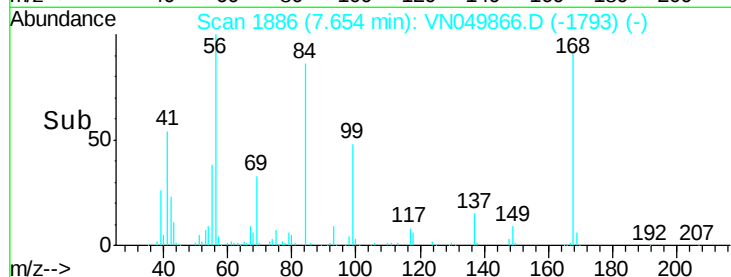
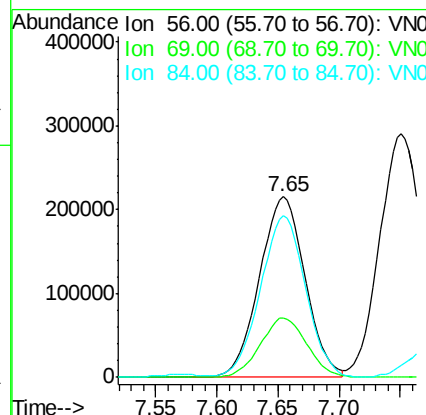
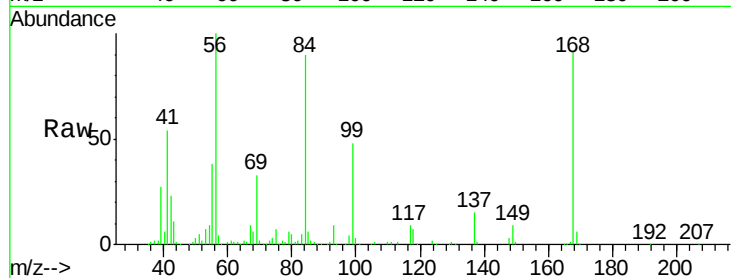
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	559666
Ion Ratio	Lower	Upper	
56	100		
69	33.0	26.6	40.0
84	88.2	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.62 ug/l

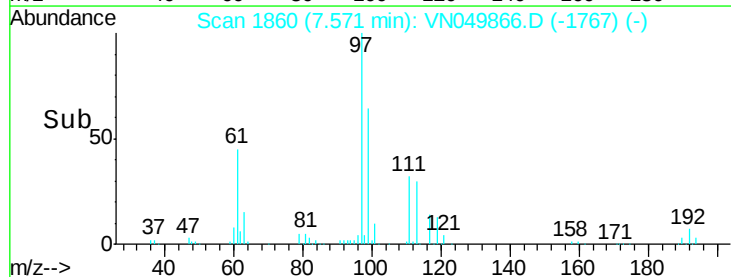
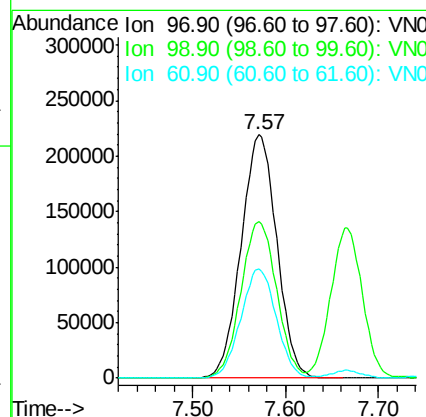
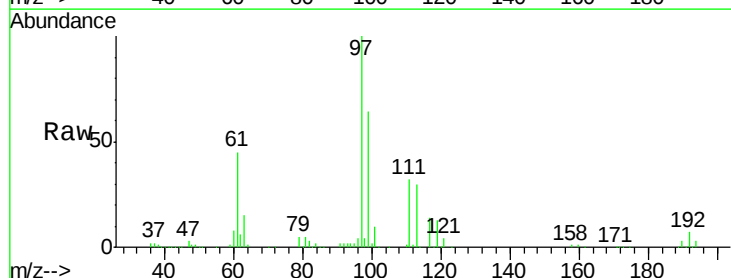
RT: 7.57 min Scan# 1860

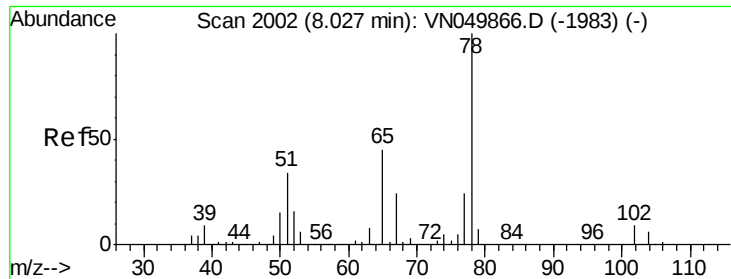
Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Tgt Ion:	97	Resp:	586440
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.4
61	44.6	35.5	53.3





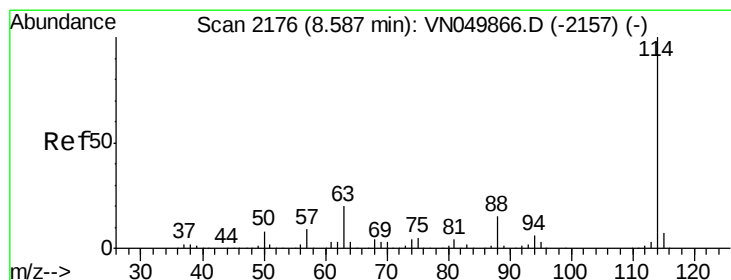
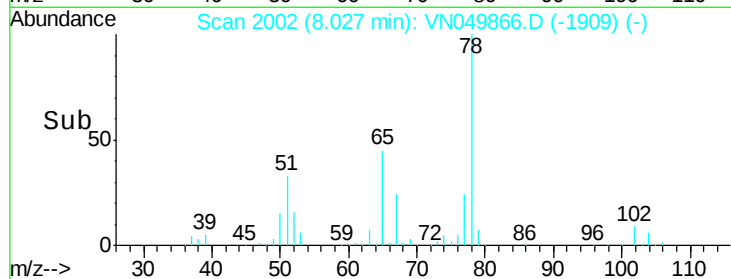
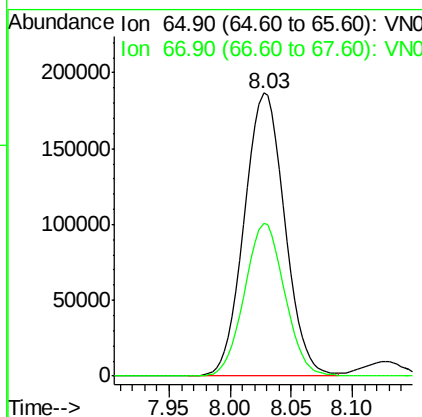
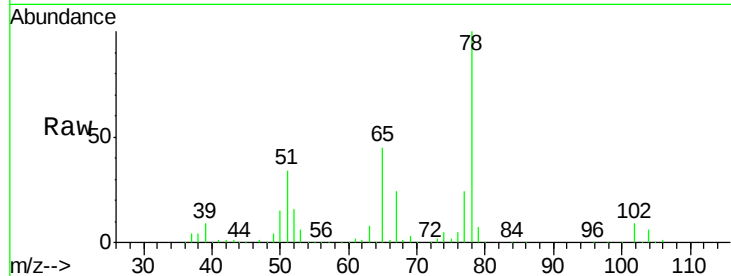
#33
 1,2-Dichloroethane-d4
 Concen: 50.48 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 429526
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2

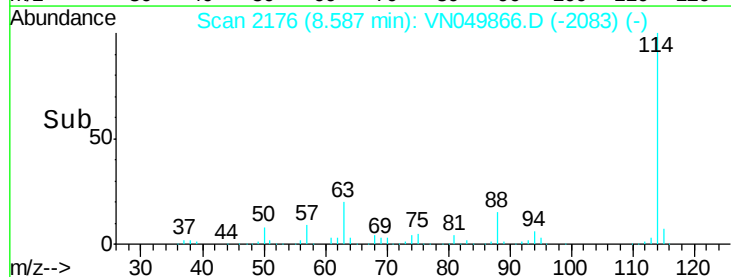
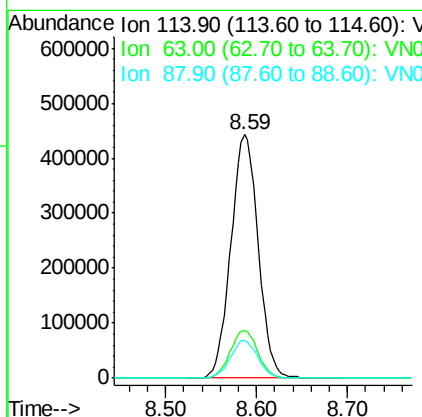
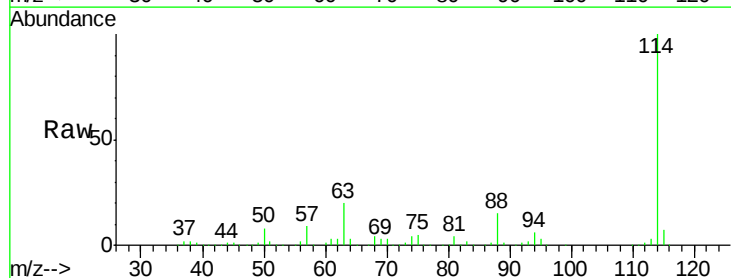
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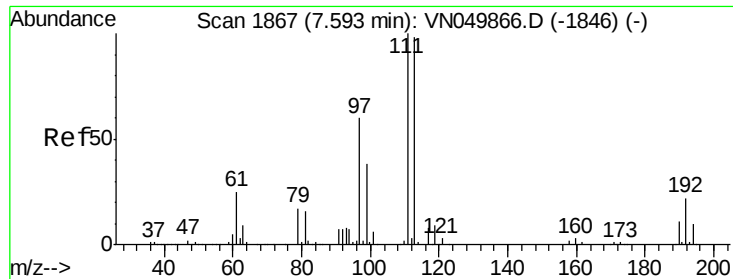
MMDadoda
 7/19/2018 4:28:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion: 114 Resp: 922085
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.4 0.0 30.6





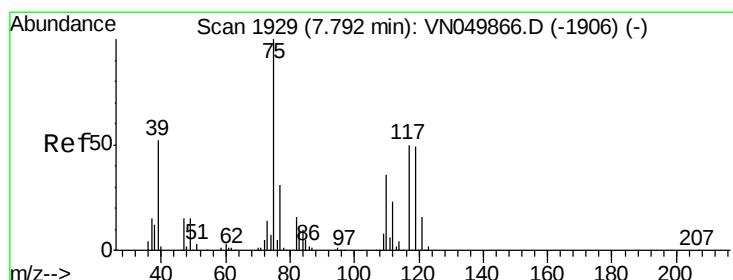
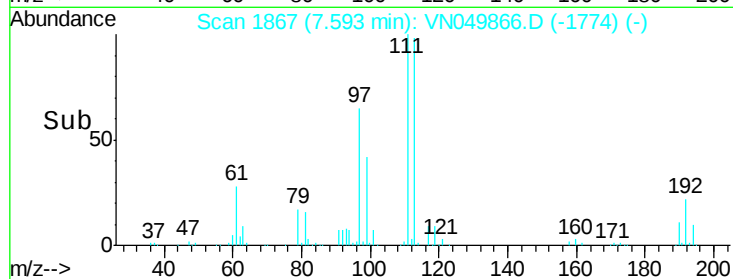
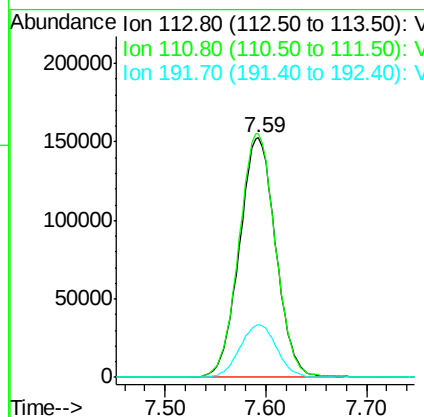
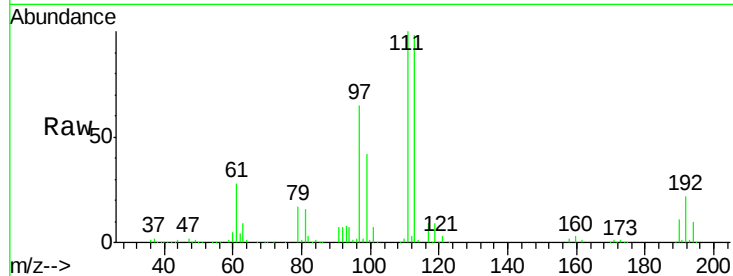
#35
Dibromofluoromethane
Concen: 52.07 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.8	122.8	
192	22.2	17.8	26.6	

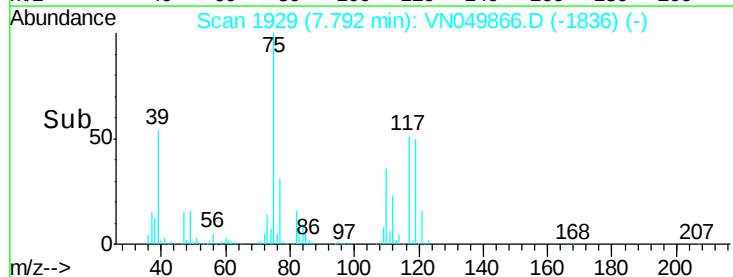
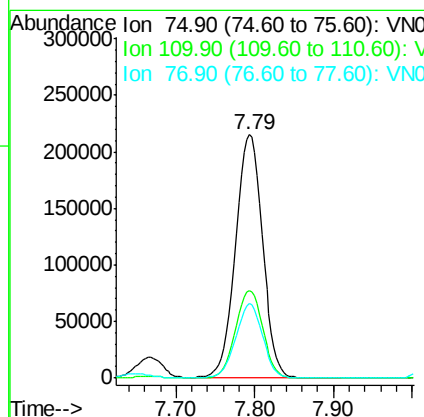
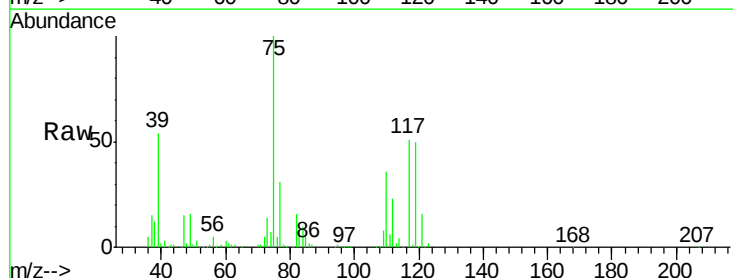
Manual Integrations
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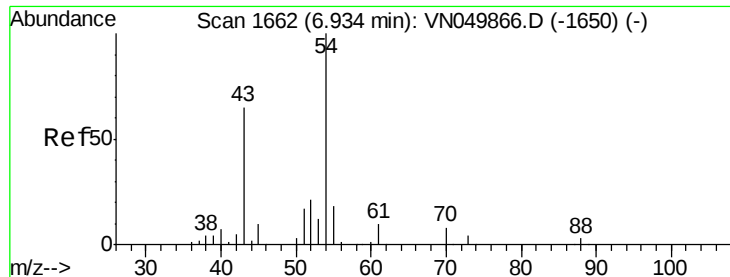
MMDadoda
7/19/2018 4:28:55 PM



#36
1,1-Dichloropropene
Concen: 52.88 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.1	54.4	
77	30.2	24.9	37.3	





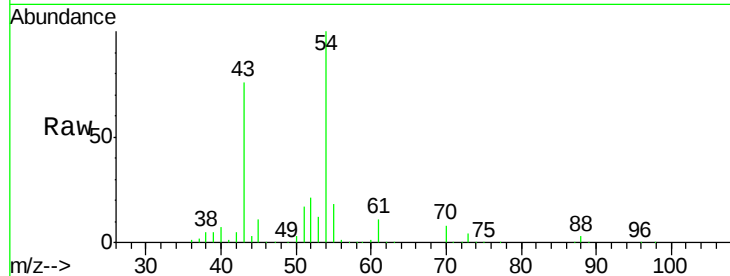
#37
Ethyl Acetate
Concen: 49.81 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	10.4	8.4	12.6

Manual Integrations
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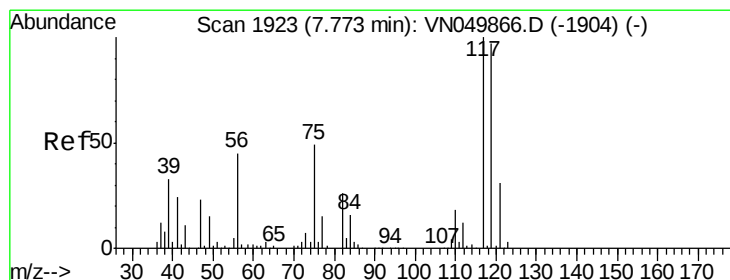
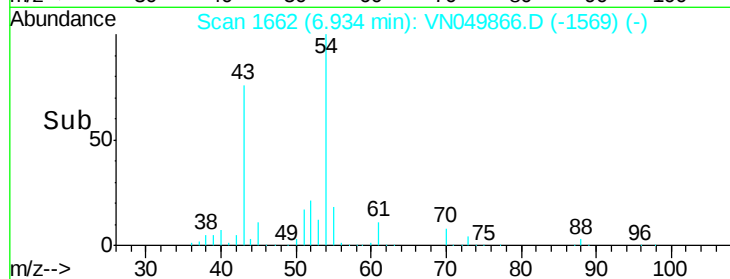
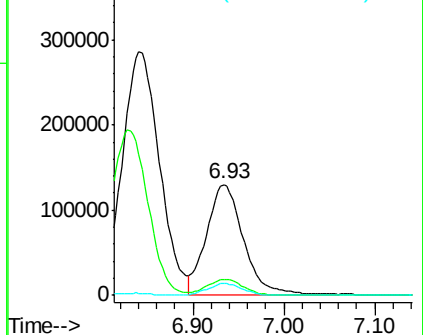


Abundance

Ion 43.00 (42.70 to 43.70): VN049866.D (-1650) (-)

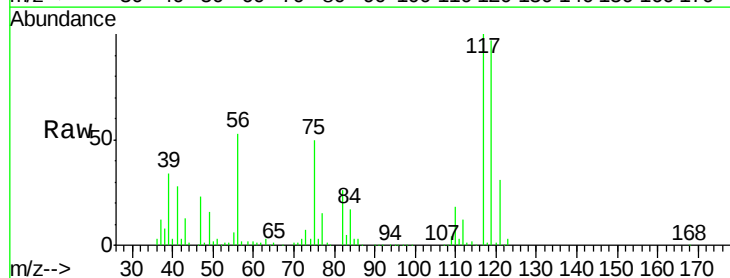
Ion 60.90 (60.60 to 61.60): VN049866.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN049866.D (-1650) (-)



#38
Carbon Tetrachloride
Concen: 51.00 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.2	115.8
121	31.2	25.0	37.6

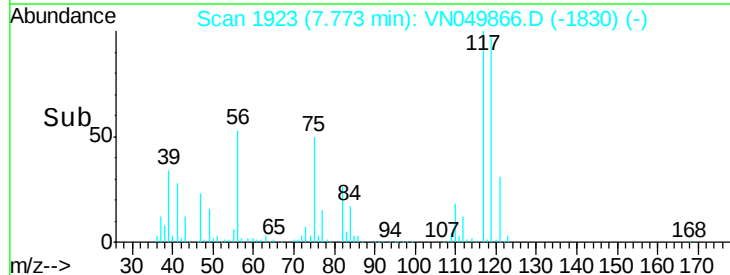
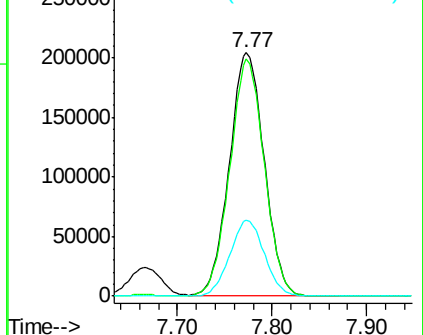


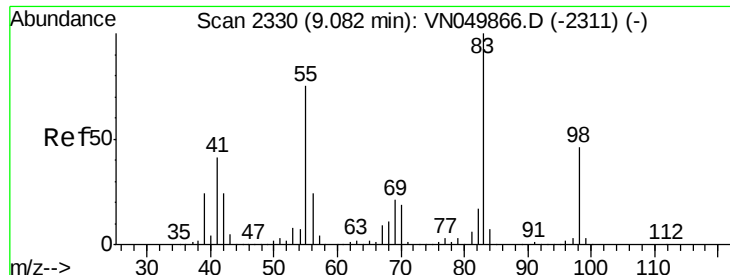
Abundance

Ion 116.80 (116.50 to 117.50): VN049866.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049866.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049866.D (-1904) (-)





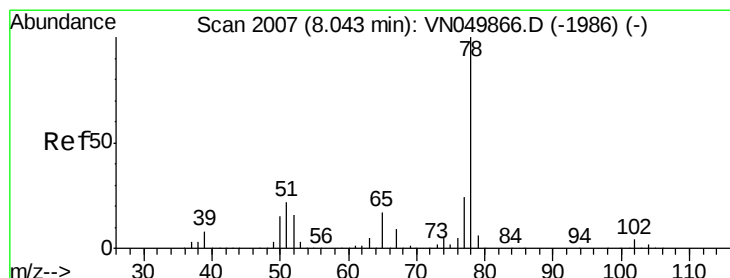
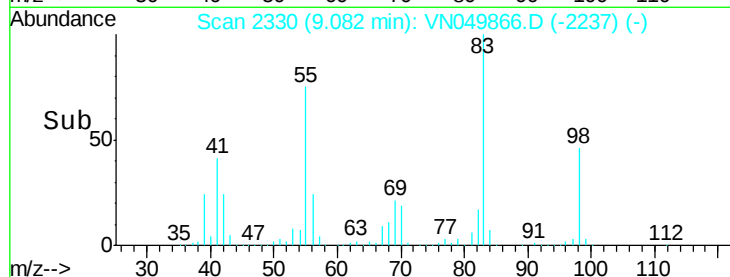
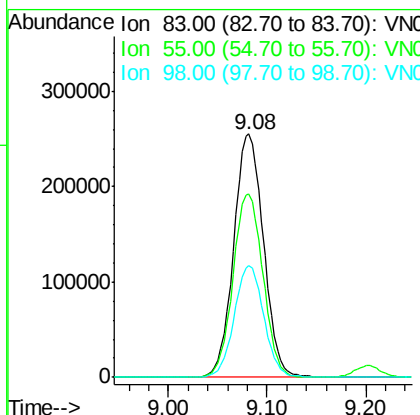
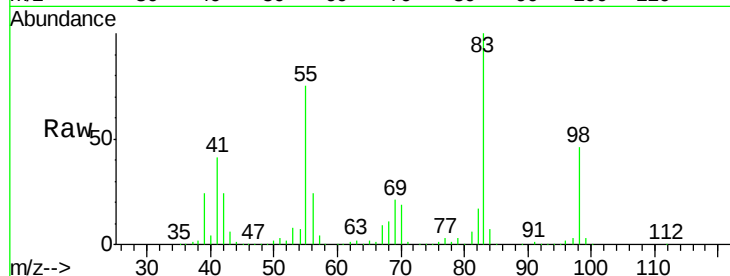
#39
Methvlcvclohexane
Concen: 53.32 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	535729
Ion Ratio	Lower	Upper	
83	100		
55	75.2	59.7	89.5
98	46.2	36.5	54.7

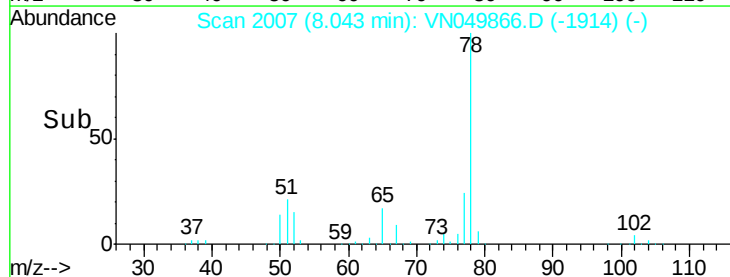
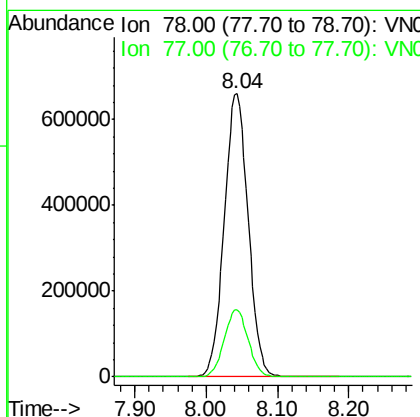
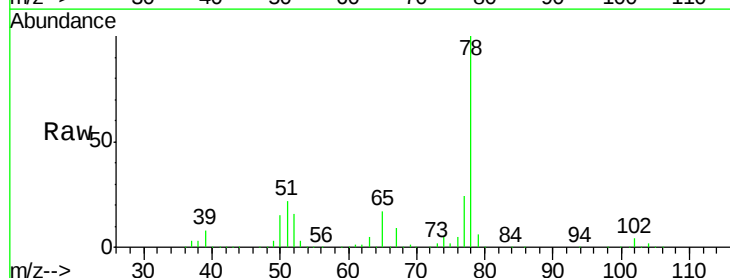
Manual Integrations
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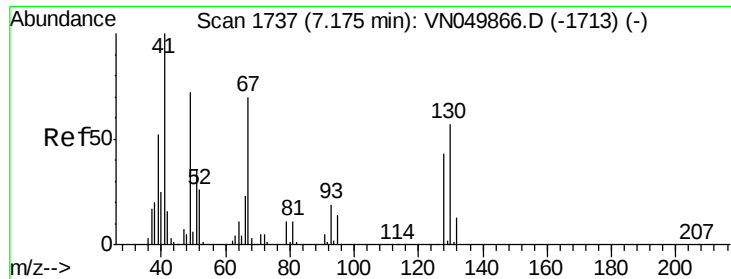
MMDadoda
7/19/2018 4:28:55 PM



#40
Benzene
Concen: 52.10 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	78	Resp	1540806
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.4





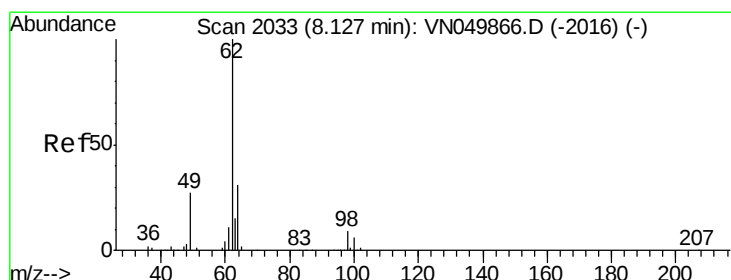
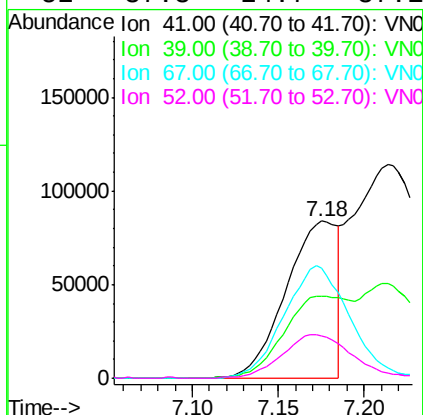
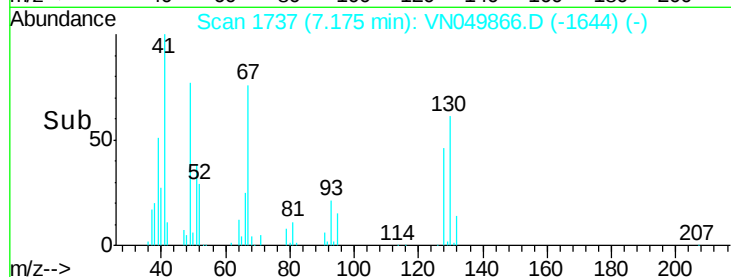
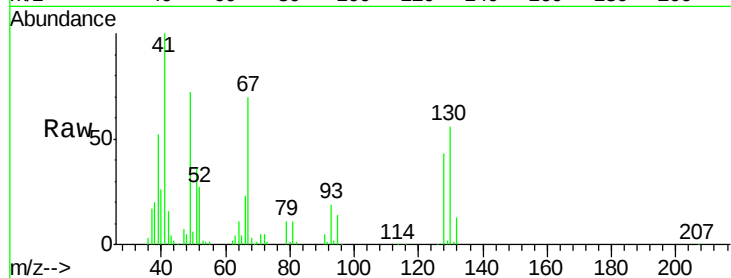
#41
Methacrylonitrile
Concen: 46.66 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.4	45.4	68.2#
67	92.4	65.4	98.0
52	37.3	24.7	37.1#

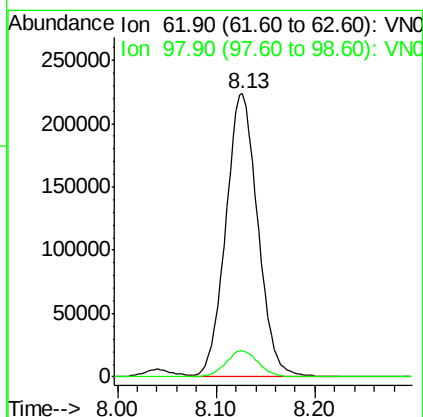
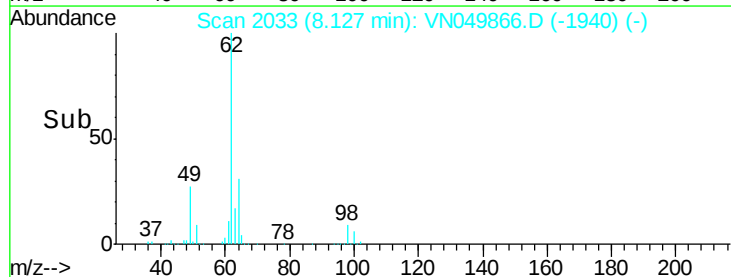
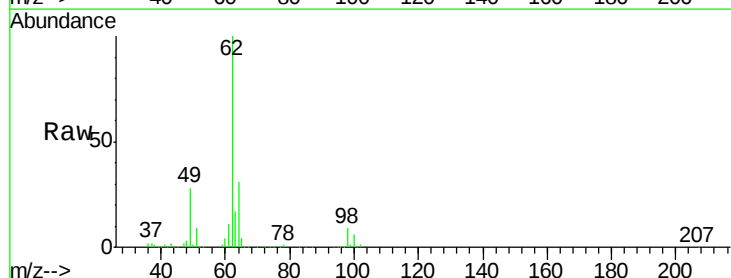
Manual Integrations
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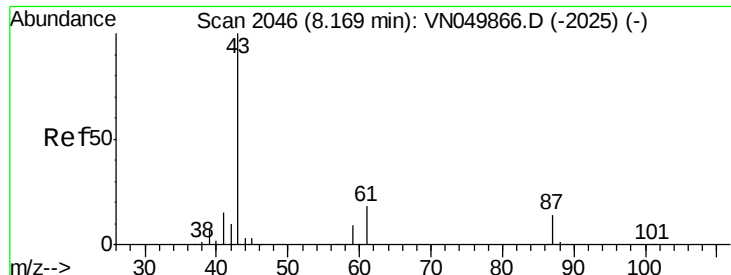
MMDadoda
7/19/2018 4:28:55 PM



#42
1,2-Dichloroethane
Concen: 50.24 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 51.61 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

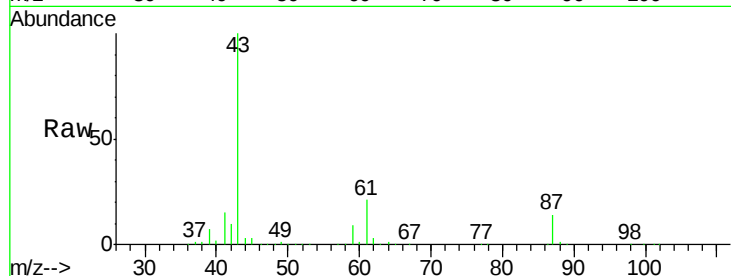
ClientSampleId :

VSTDICCC050

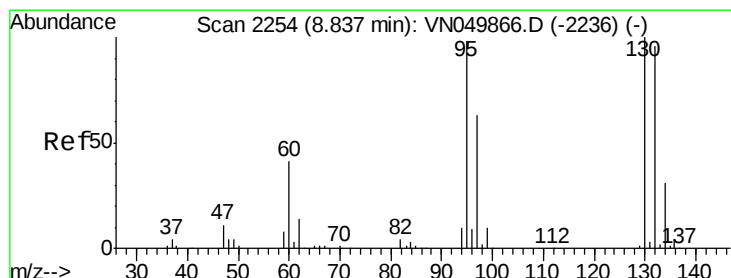
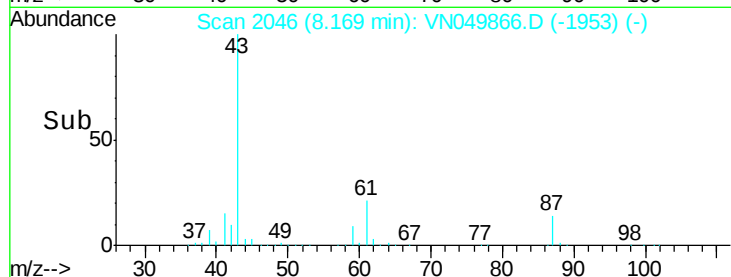
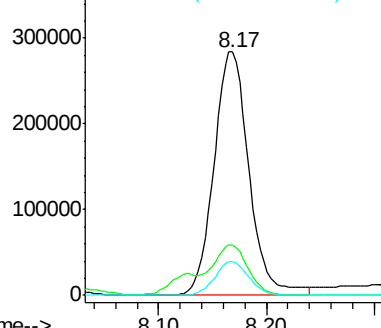
Tot Ion:	43	Resp:	638909
Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.9	22.3
87	13.5	10.0	15.0

Manual Integrations
APPROVED

MMDadoda
7/19/2018 4:28:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)



#44

Trichloroethene

Concen: 51.19 ug/l

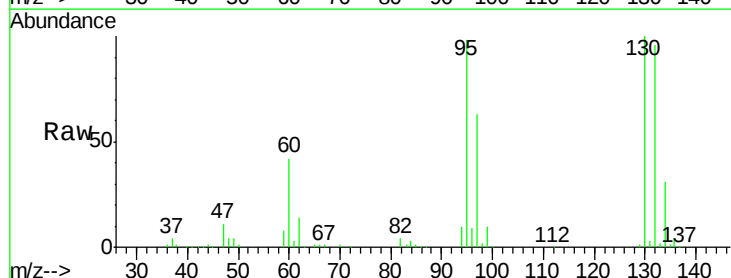
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

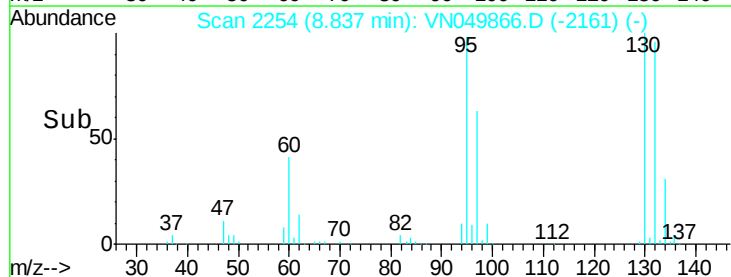
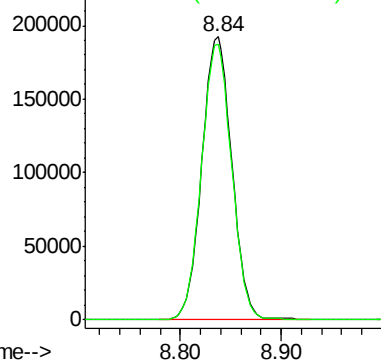
Lab File: VN049866.D

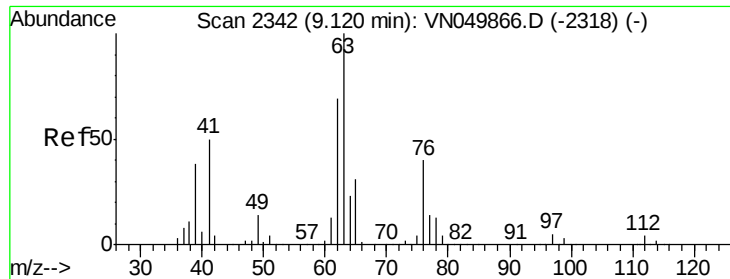
Acq: 18 Jul 2018 11:35

Tgt Ion:	130	Resp:	398278
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049866.D (-2236) (-)





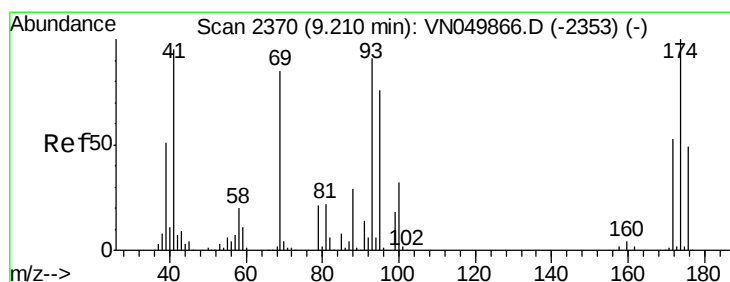
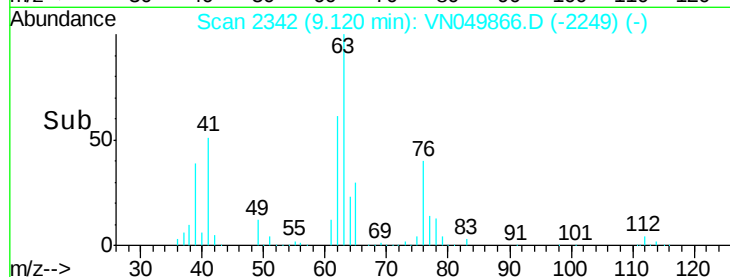
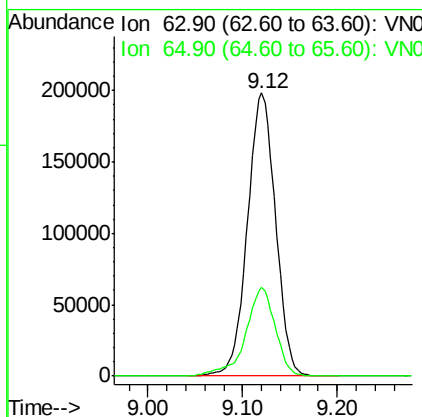
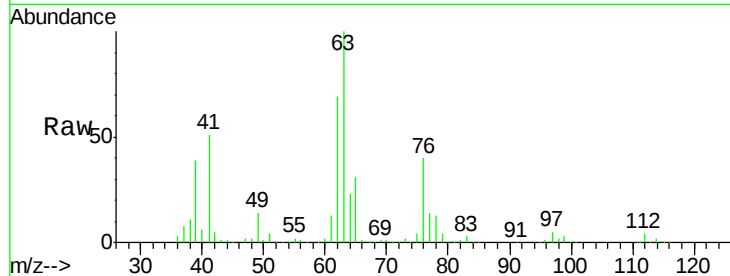
#45
 1,2-Dichloropropane
 Concen: 52.07 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 410278
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

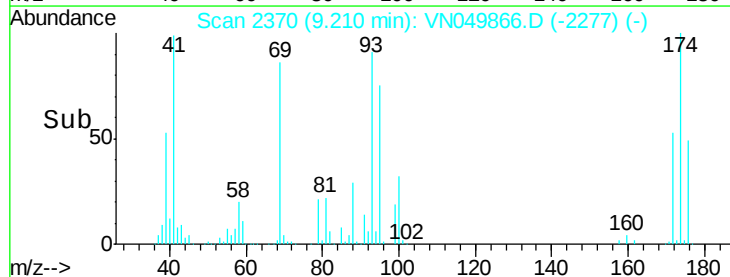
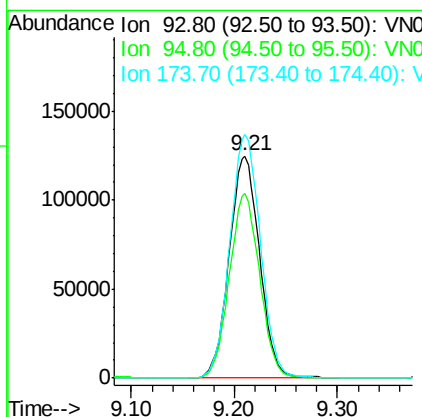
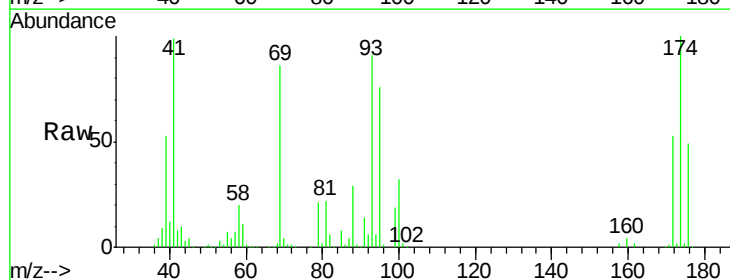
Manual Integrations
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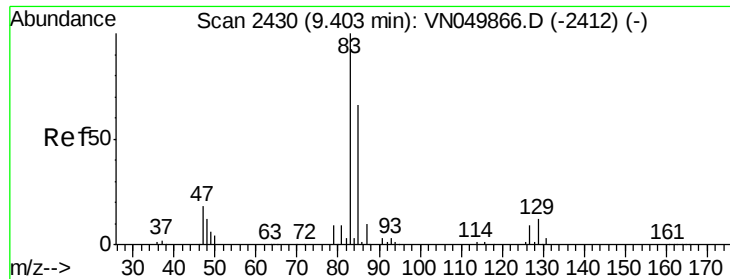
MMDadoda
 7/19/2018 4:28:55 PM



#46
 Dibromomethane
 Concen: 51.13 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion: 93 Resp: 257008
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.9 101.9
 174 110.2 89.4 134.0





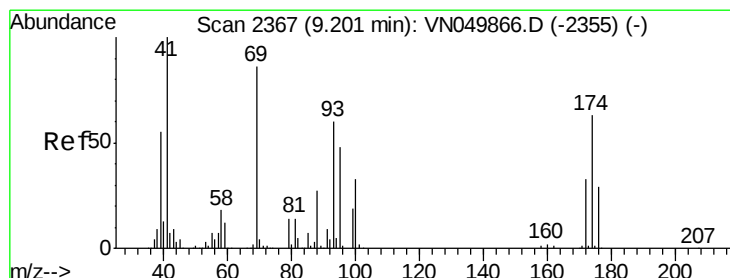
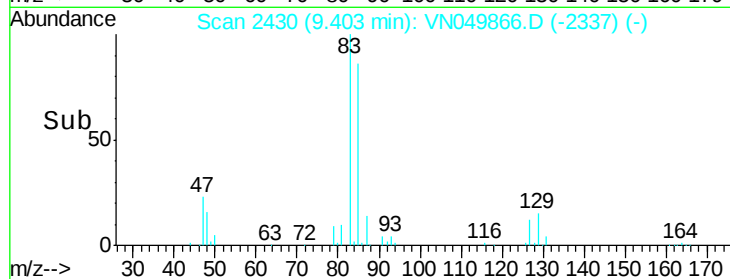
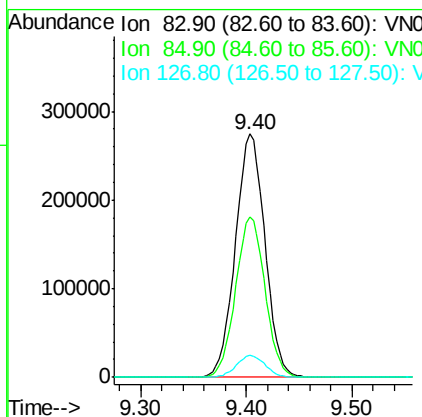
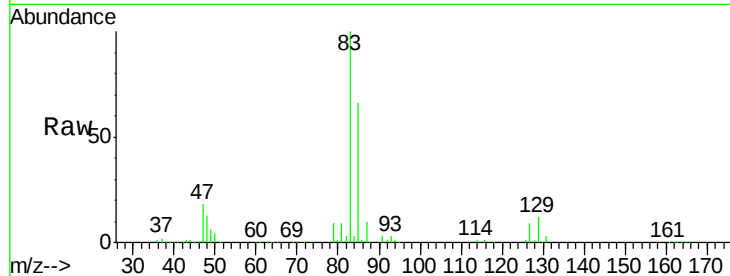
#47
Bromodichloromethane
Concen: 52.24 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.5	75.7
127	8.9	6.8	10.2

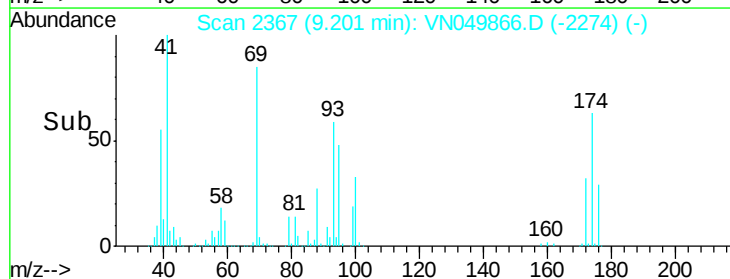
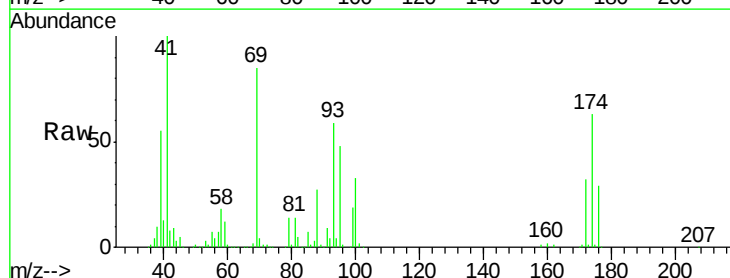
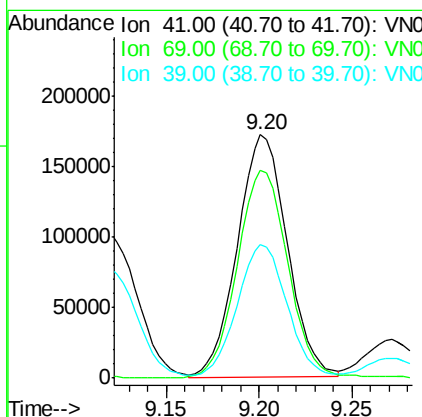
Manual Integrations
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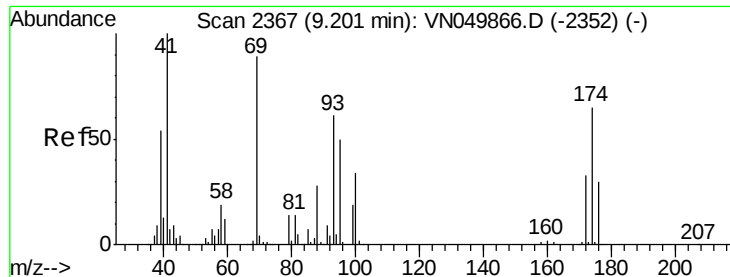
MMDadoda
7/19/2018 4:28:55 PM



#48
Methyl methacrylate
Concen: 52.48 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.2	71.5	107.3
39	55.2	44.7	67.1





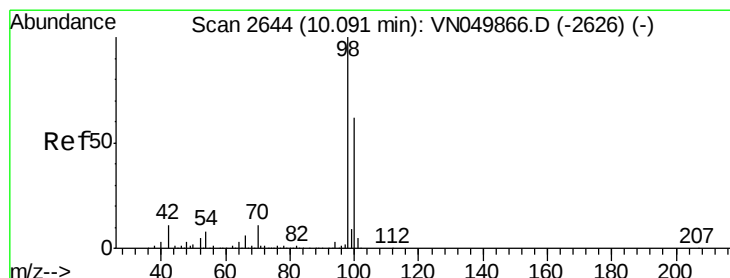
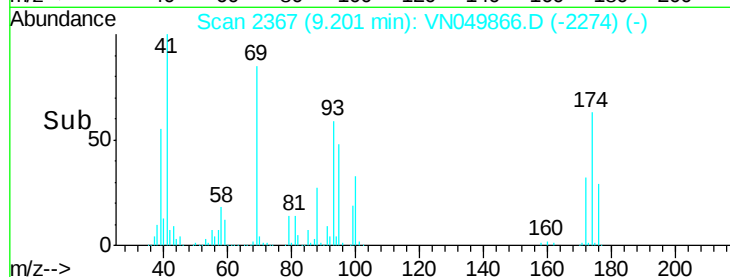
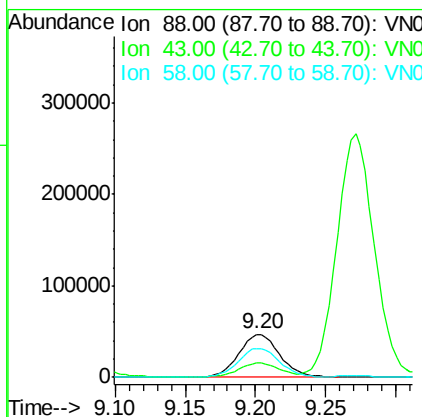
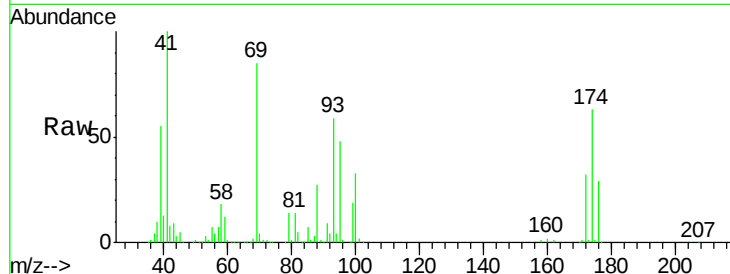
#49
1,4-Dioxane
Concen: 1025.26 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	95407
Ion Ratio	Lower	Upper	
88	100		
43	32.3	25.1	37.7
58	69.1	52.5	78.7

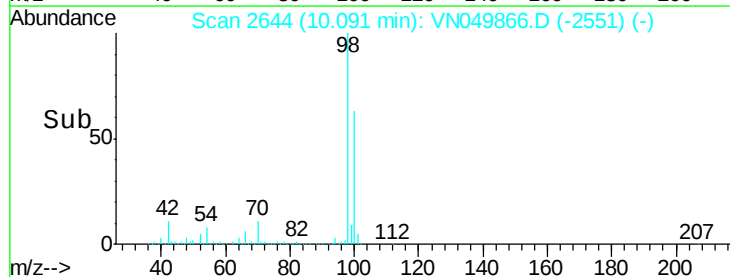
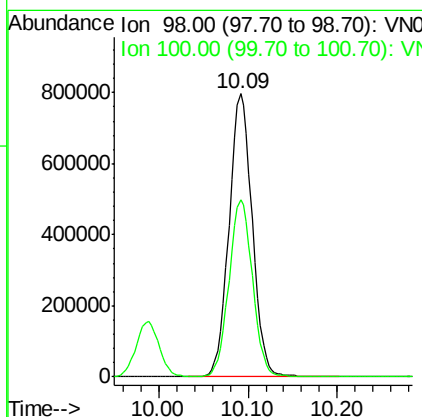
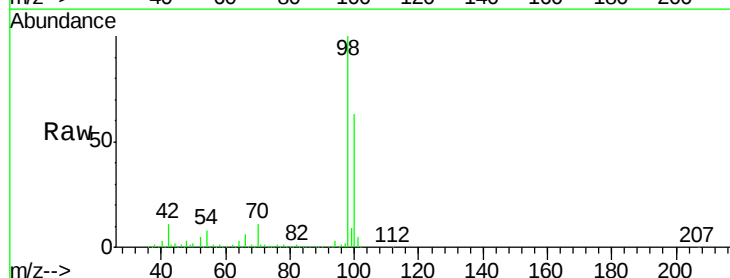
Manual Integrations
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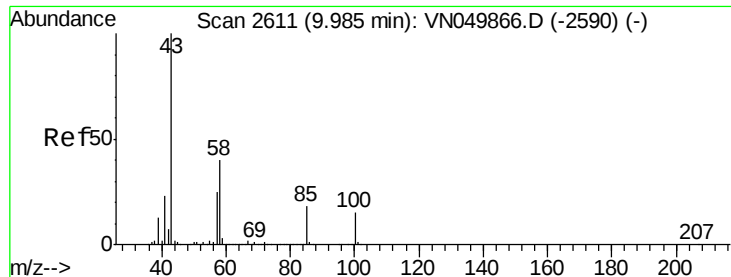
MMDadoda
7/19/2018 4:28:55 PM



#50
Toluene-d8
Concen: 53.38 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	98	Resp	1433446
Ion Ratio	Lower	Upper	
98	100		
100	63.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 256.67 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1869079

Ion Ratio Lower Upper

43 100

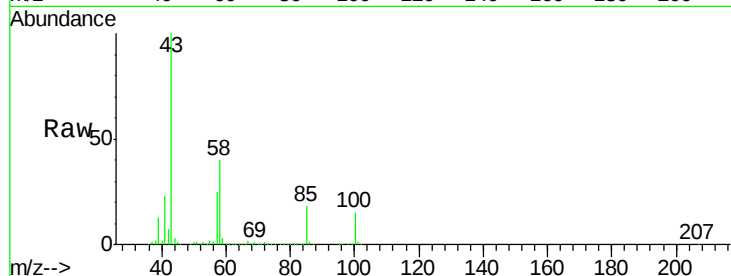
58 39.7 31.8 47.8

Manual Integrations

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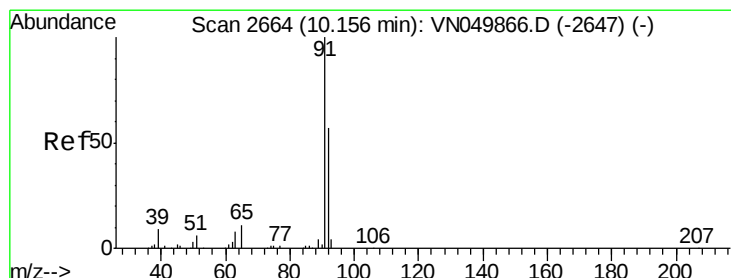
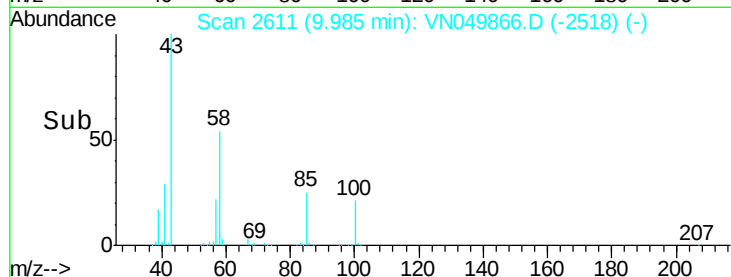
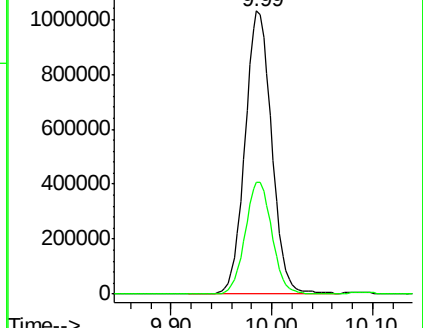
MMDadoda

7/19/2018 4:28:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2590) (-)



#52

Toluene

Concen: 54.89 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049866.D

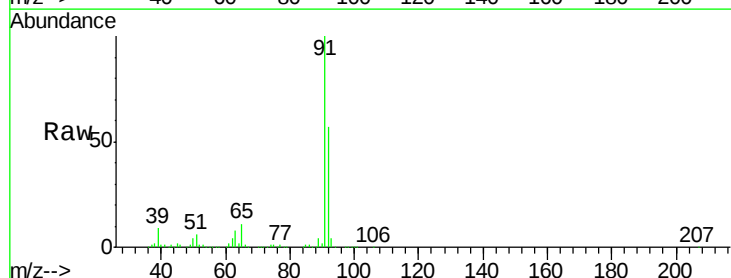
Acq: 18 Jul 2018 11:35

Tgt Ion: 92 Resp: 972936

Ion Ratio Lower Upper

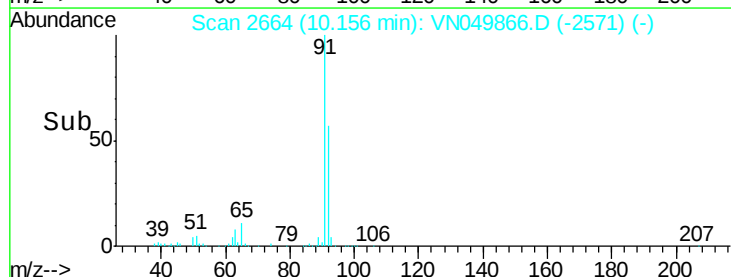
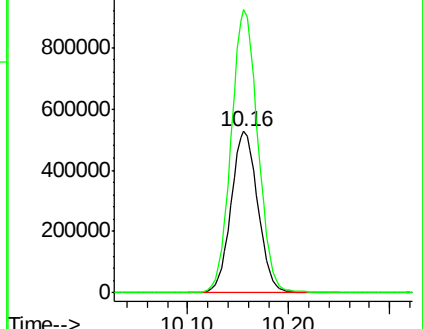
92 100

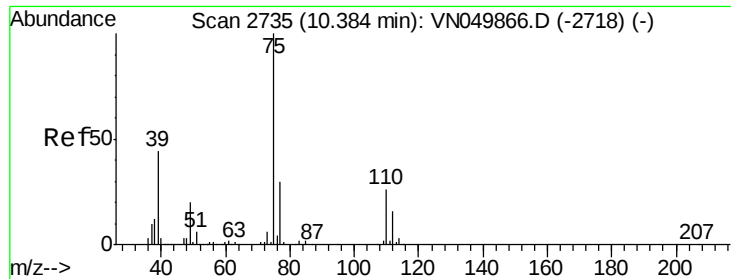
91 175.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN049866.D (-2647) (-)

Ion 91.00 (90.70 to 91.70): VN049866.D (-2647) (-)





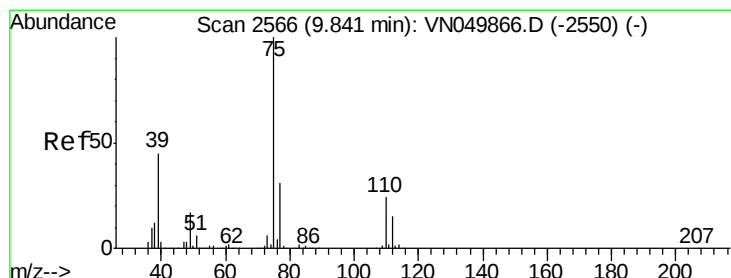
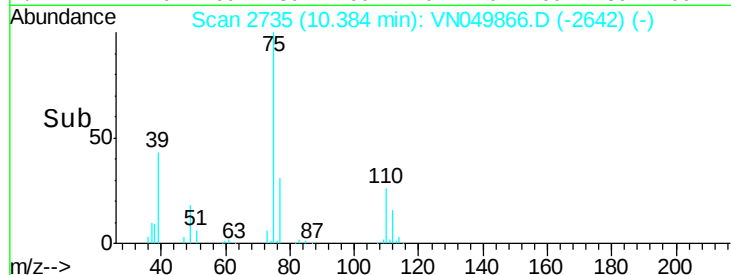
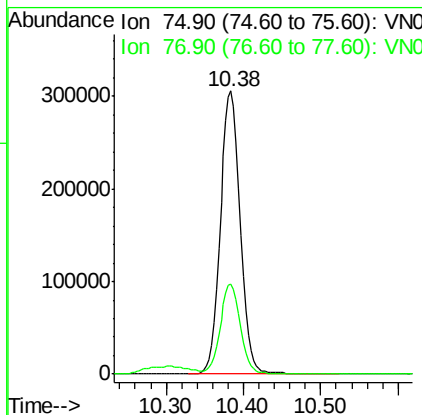
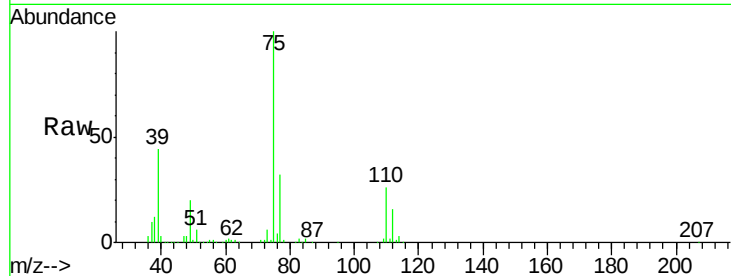
#53
t-1,3-Dichloropropene
Concen: 55.01 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 548701
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

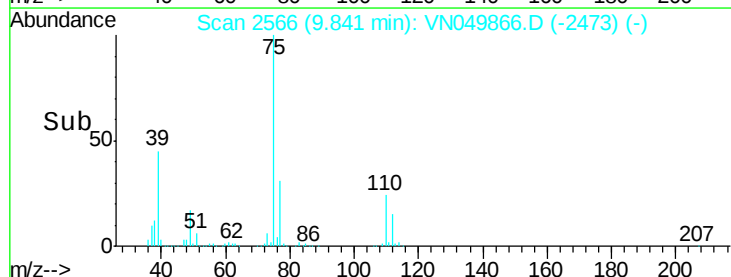
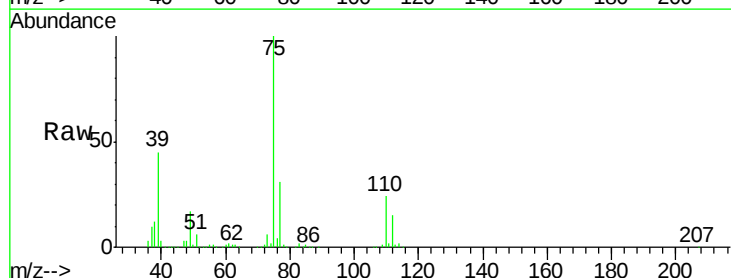
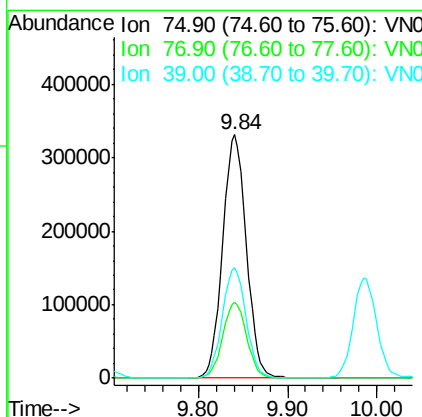
Manual Integrations
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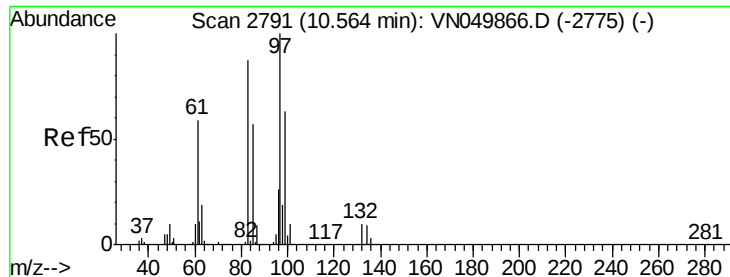
MMDadoda
7/19/2018 4:28:55 PM



#54
cis-1,3-Dichloropropene
Concen: 54.57 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion: 75 Resp: 610877
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9
39 45.3 35.5 53.3





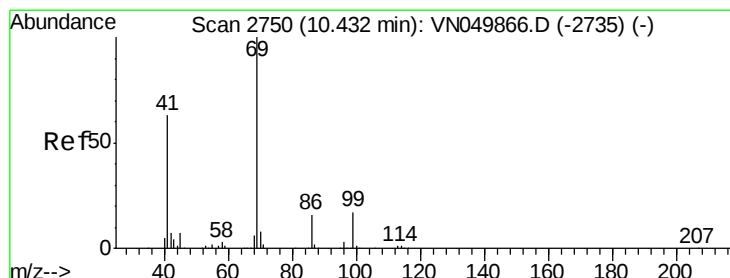
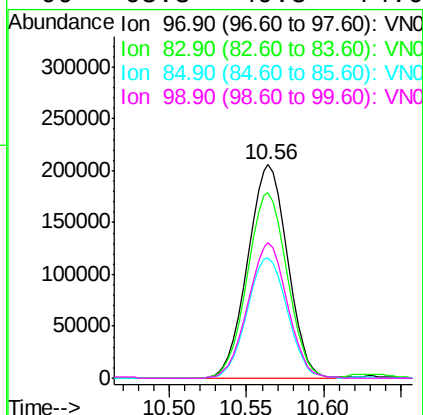
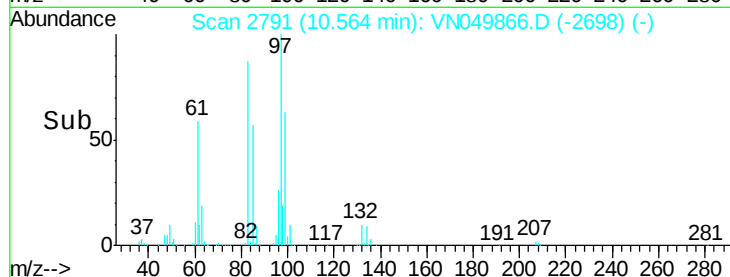
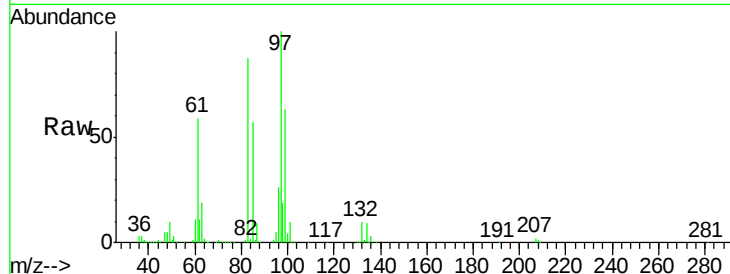
#55
 1,1,2-Trichloroethane
 Concen: 50.71 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		368812		
83	87.2	69.0	103.6		
85	56.7	44.9	67.3		
99	63.3	49.8	74.6		

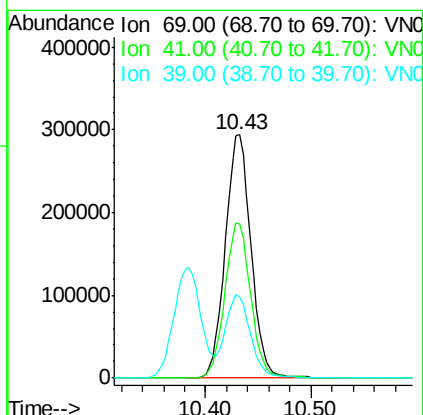
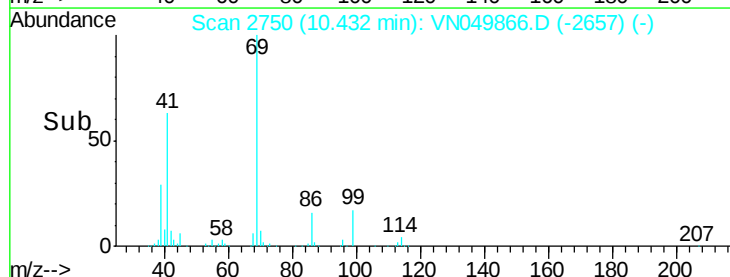
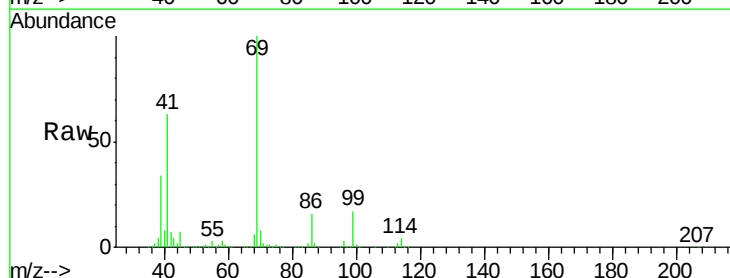
Manual Integrations
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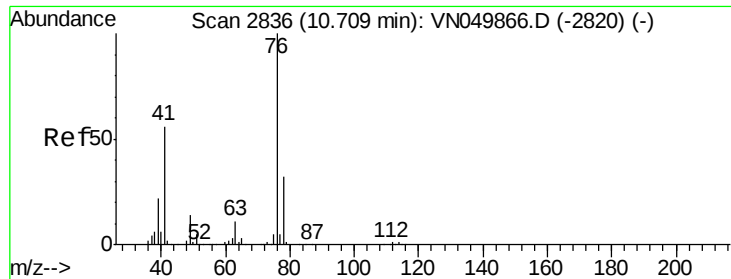
MMDadoda
 7/19/2018 4:28:55 PM



#56
 Ethyl methacrylate
 Concen: 56.31 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		496040		
41	63.1	51.6	77.4		
39	33.9	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 52.09 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 613743

Ion Ratio Lower Upper

76 100

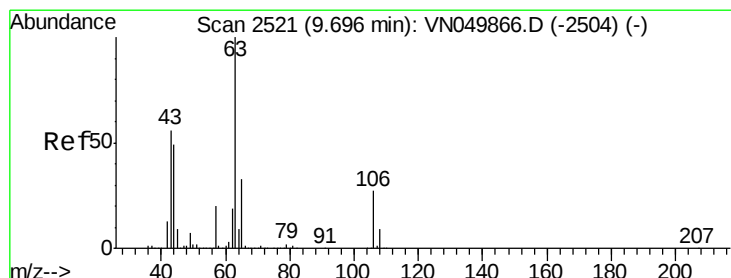
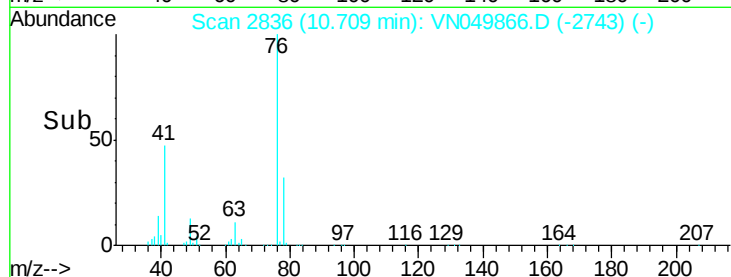
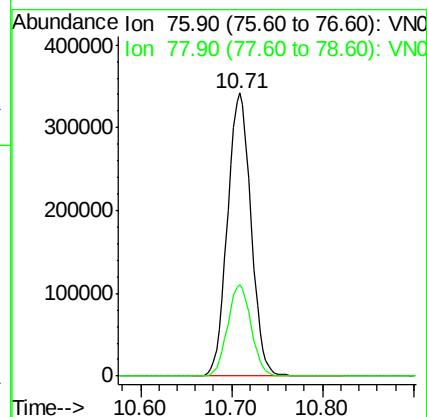
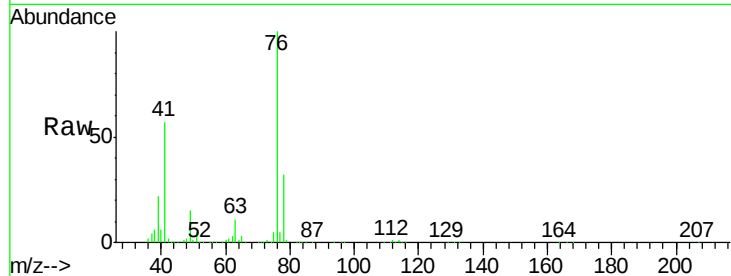
78 32.4 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 286.01 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049866.D

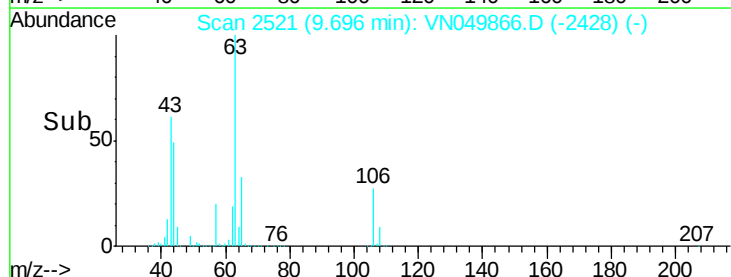
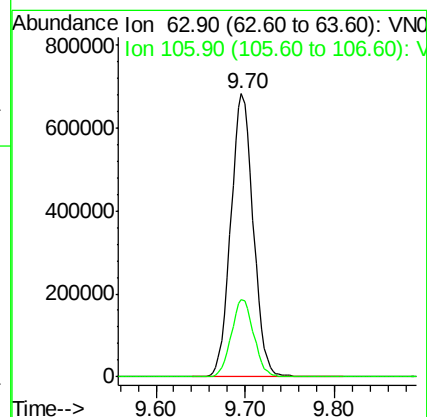
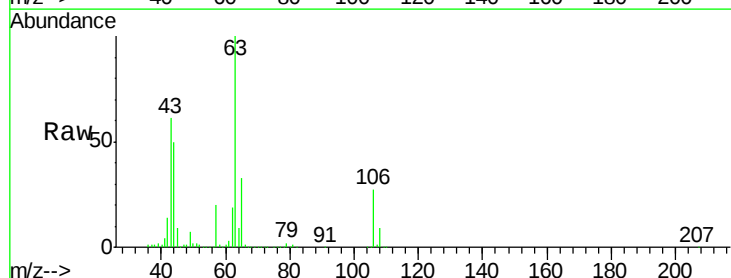
Acq: 18 Jul 2018 11:35

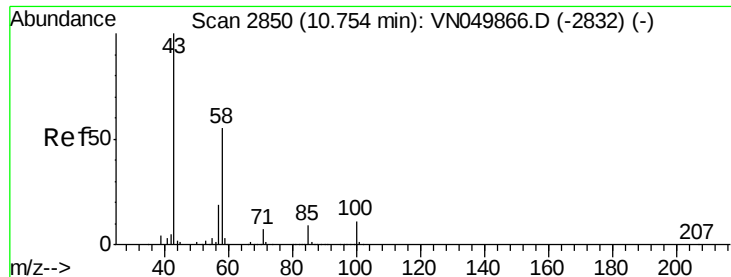
Tgt Ion: 63 Resp: 1189243

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.8





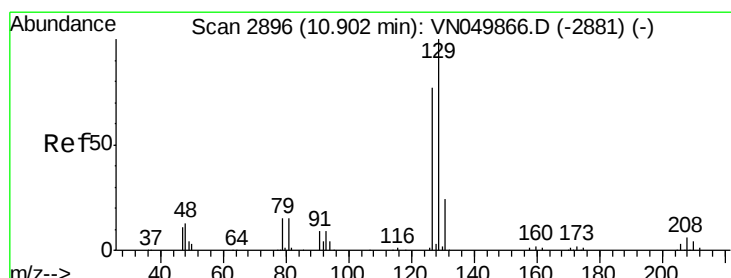
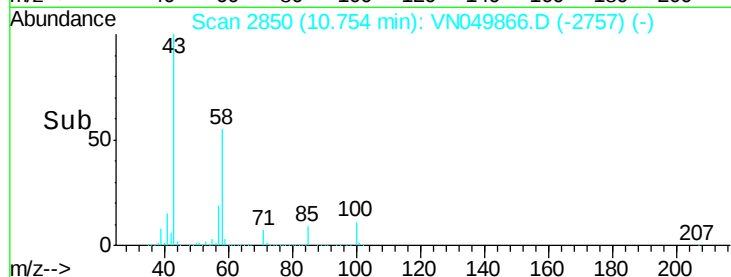
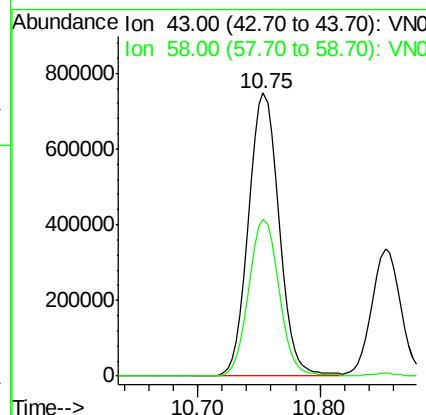
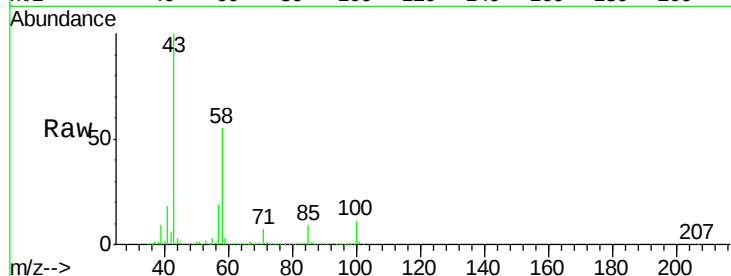
#59
2-Hexanone
Concen: 257.93 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1287763
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4

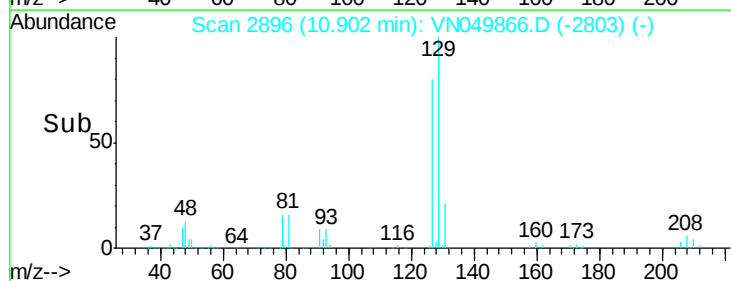
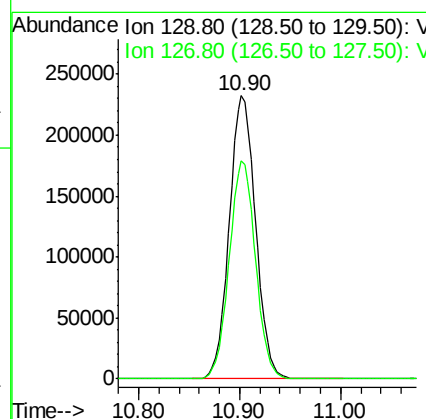
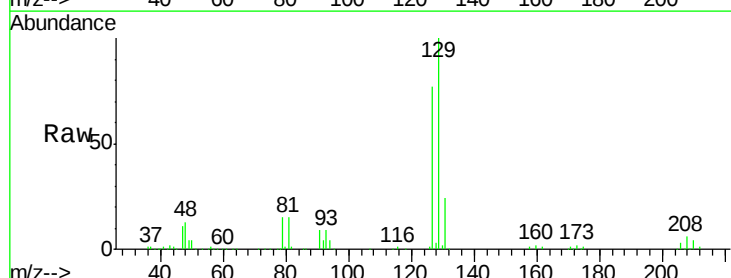
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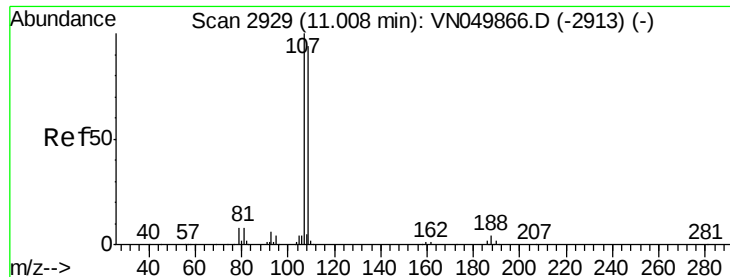
MMDadoda
7/19/2018 4:28:55 PM



#60
Dibromochloromethane
Concen: 52.37 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion: 129 Resp: 424133
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





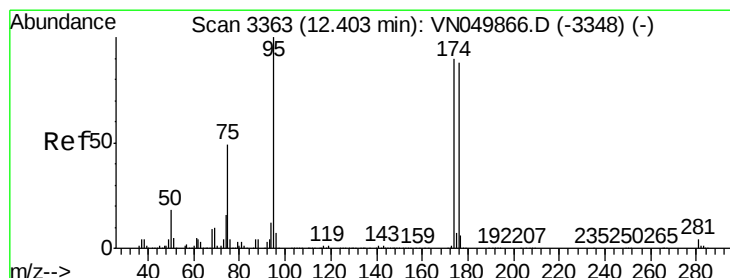
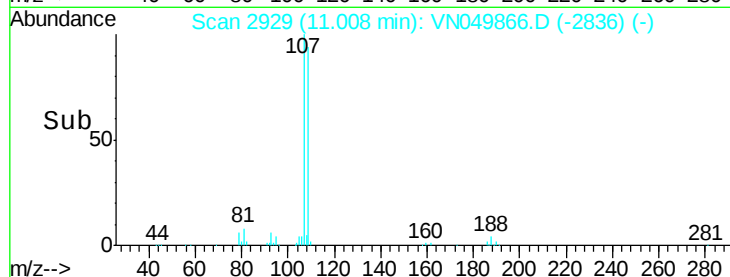
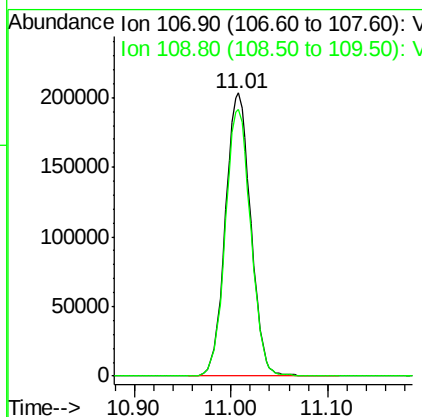
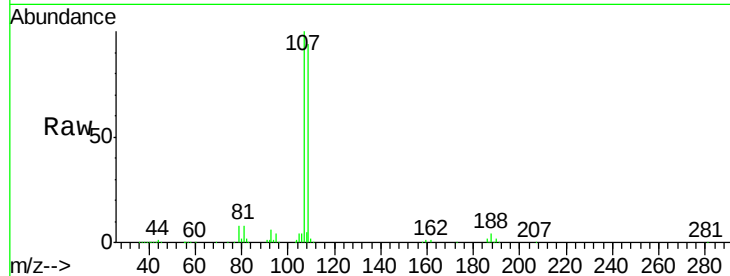
#61
 1,2-Dibromoethane
 Concen: 51.76 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.0	112.6

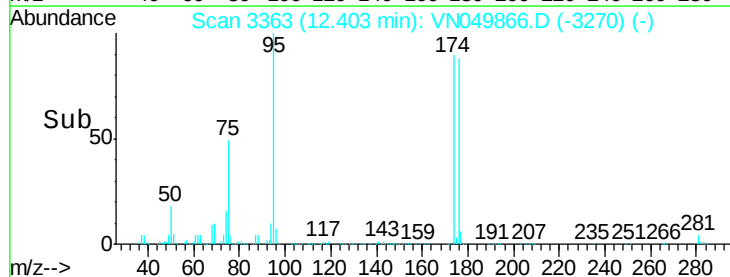
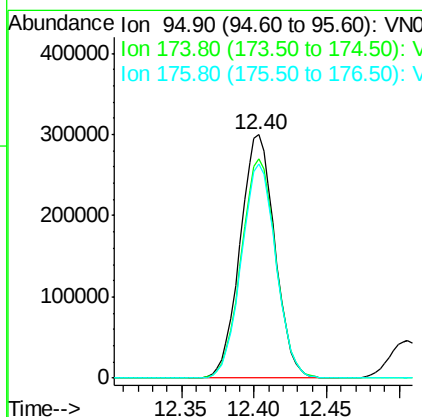
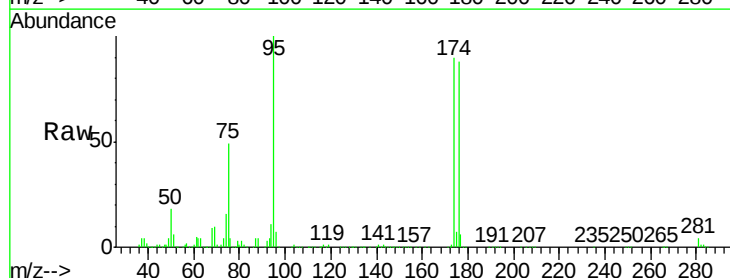
Manual Integrations
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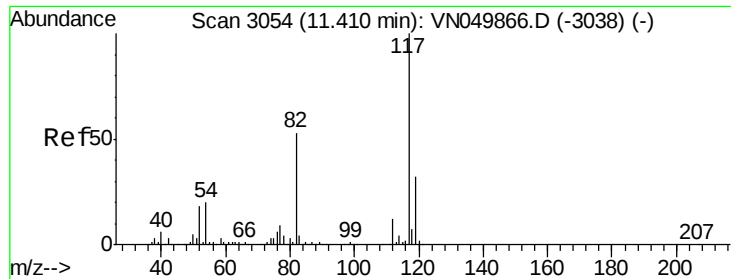
MMDadoda
 7/19/2018 4:28:55 PM



#62
 4-Bromofluorobenzene
 Concen: 55.55 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	179.6
176	87.7	0.0	174.0





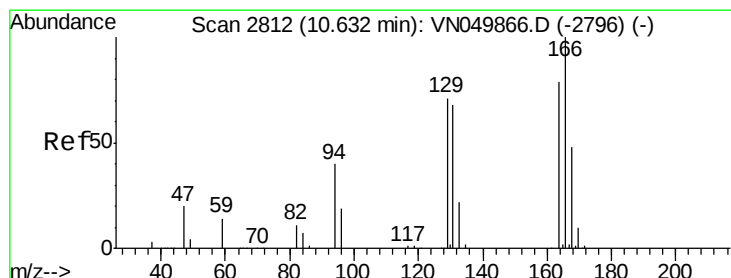
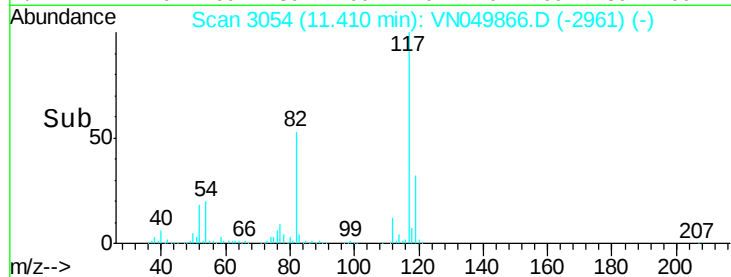
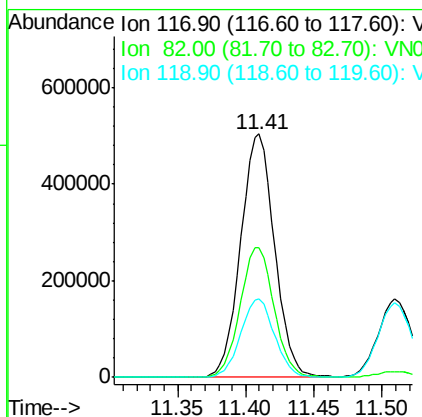
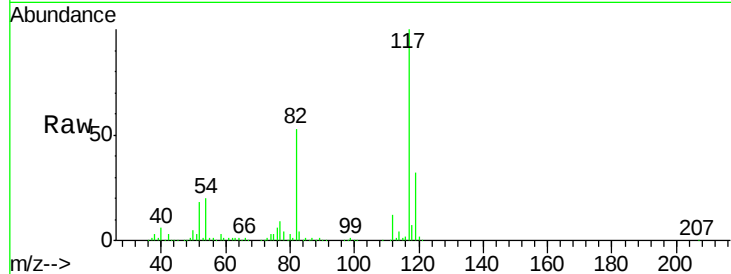
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.9	62.9
119	32.5	25.4	38.2

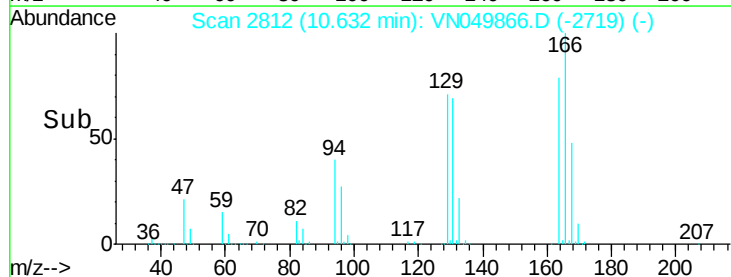
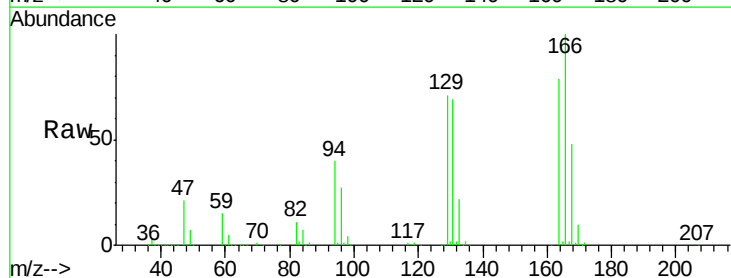
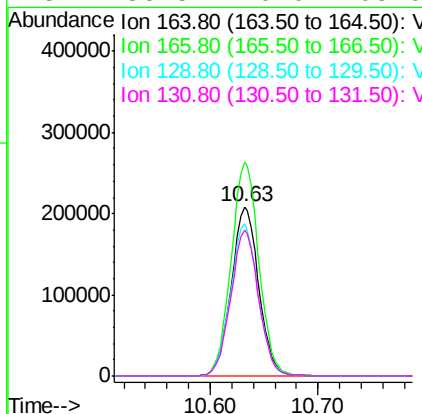
Manual Integrations
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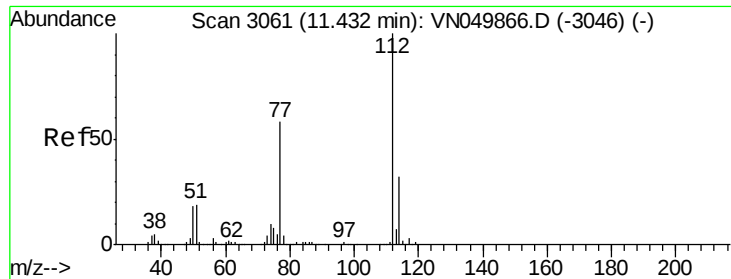
MMDadoda
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#64
Tetrachloroethene
Concen: 50.01 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.8	152.6
129	89.8	72.8	109.2
131	86.5	70.0	105.0





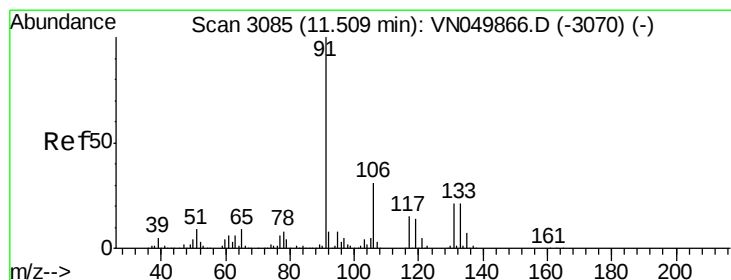
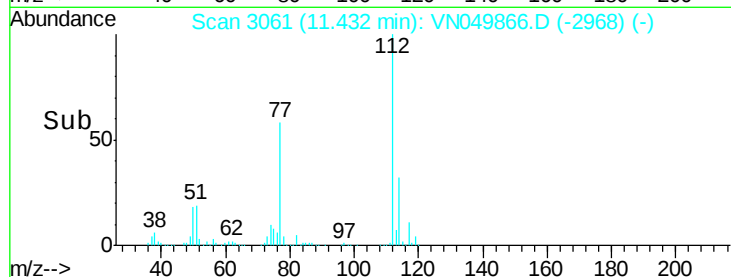
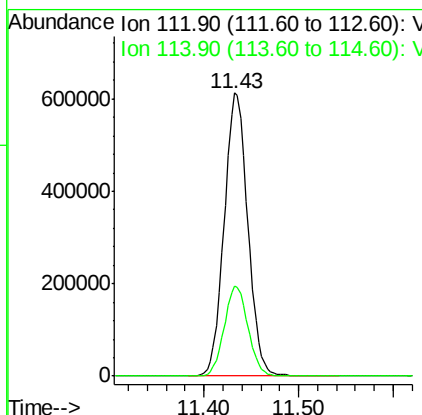
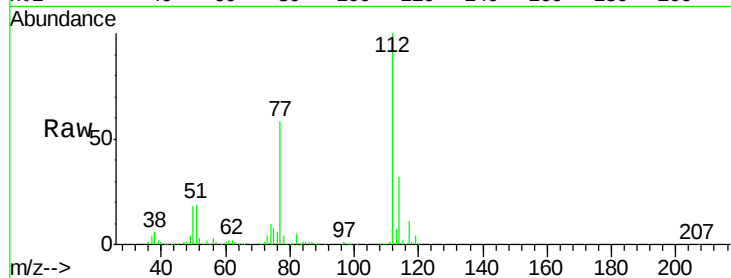
#65
Chlorobenzene
Concen: 51.45 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1061921
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

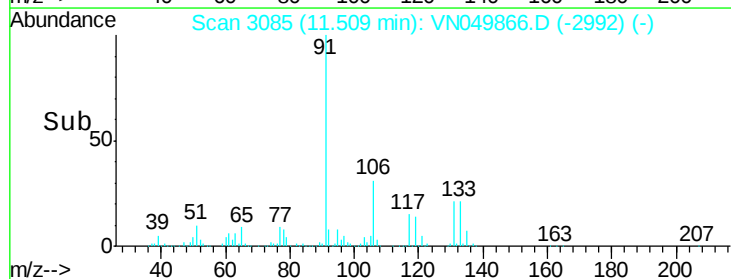
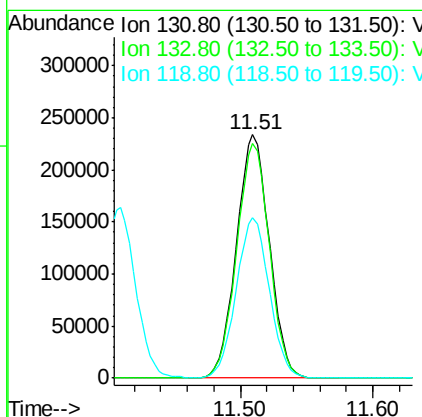
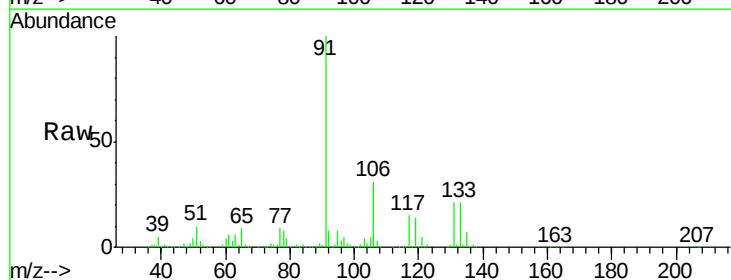
Manual Integrations
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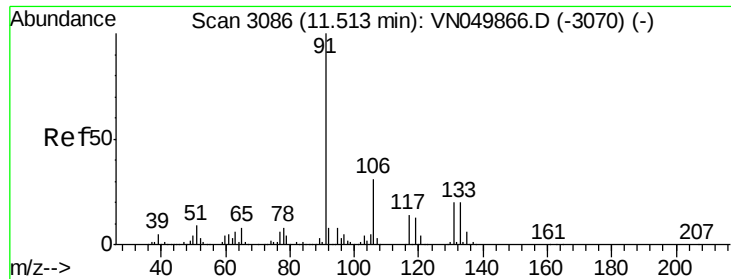
MMDadoda
7/19/2018 4:28:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.77 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion:131 Resp: 402289
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.6
119 66.3 33.1 99.3





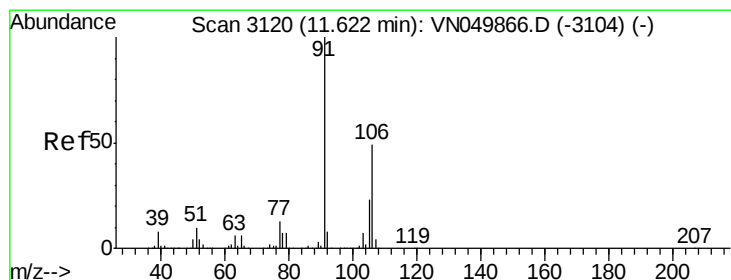
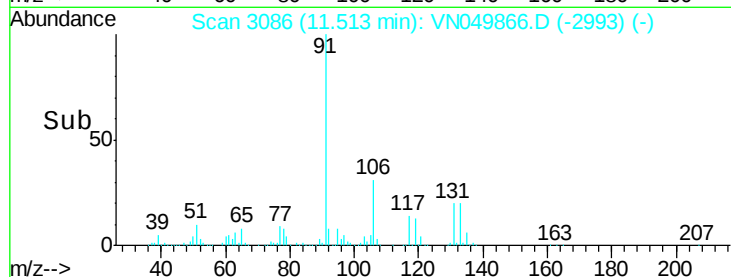
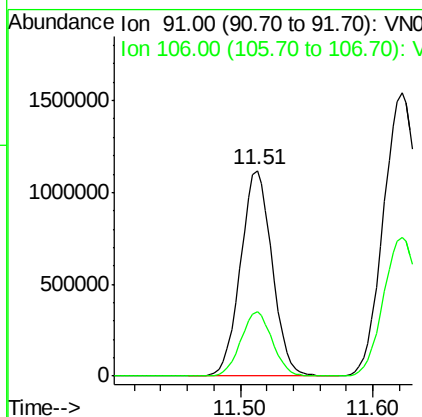
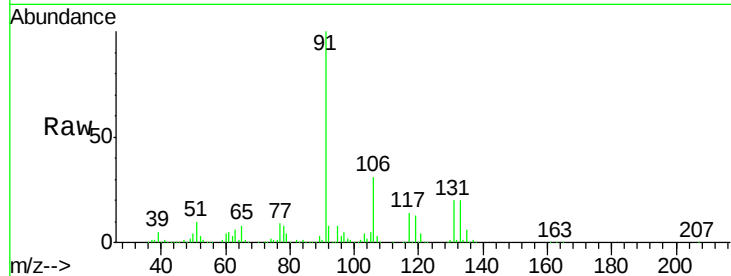
#67
Ethyl Benzene
Concen: 55.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1846099
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

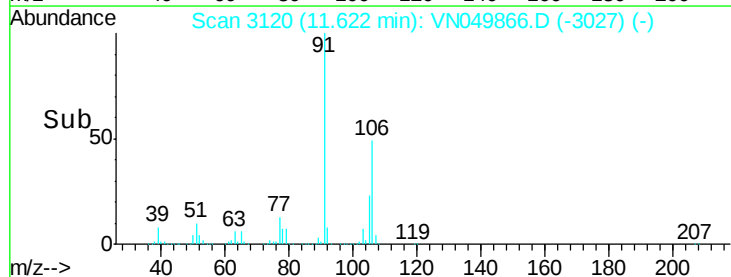
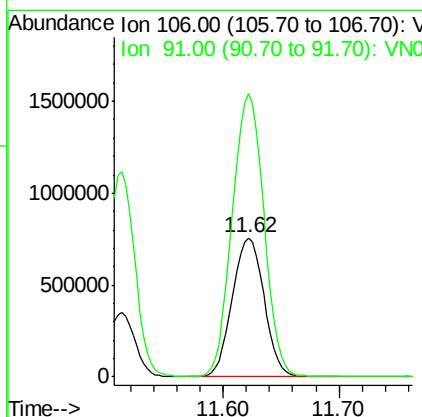
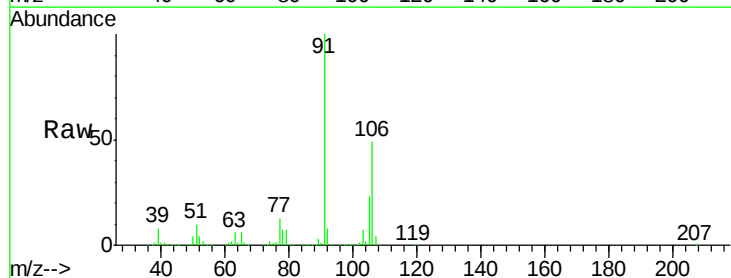
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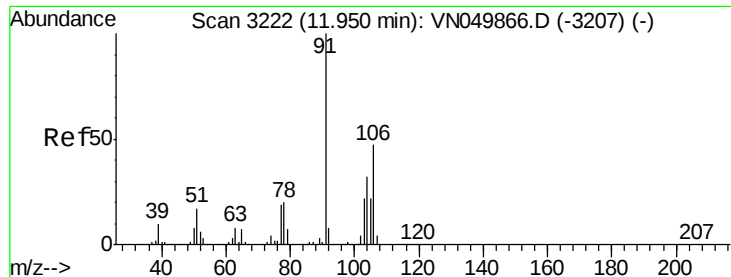
MMDadoda
7/19/2018 4:28:55 PM



#68
m/p-Xylenes
Concen: 114.30 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion: 106 Resp: 1438708
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2





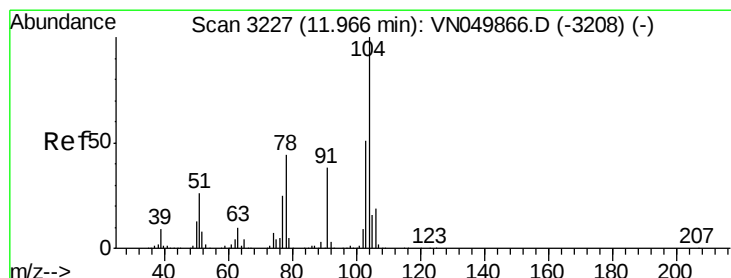
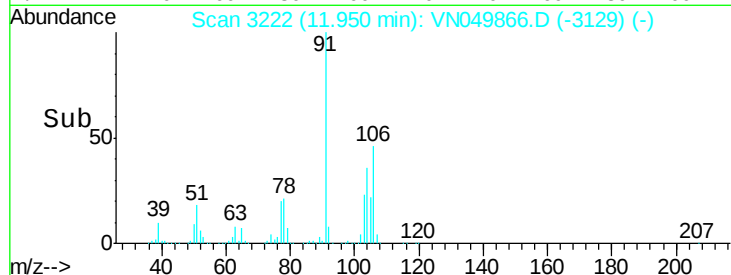
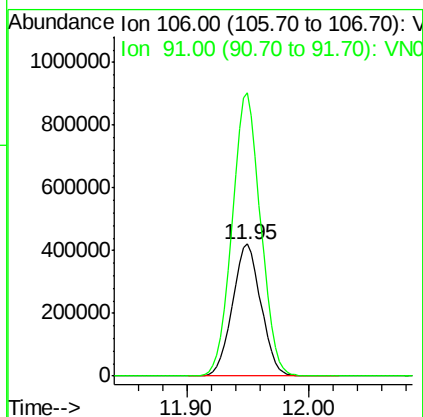
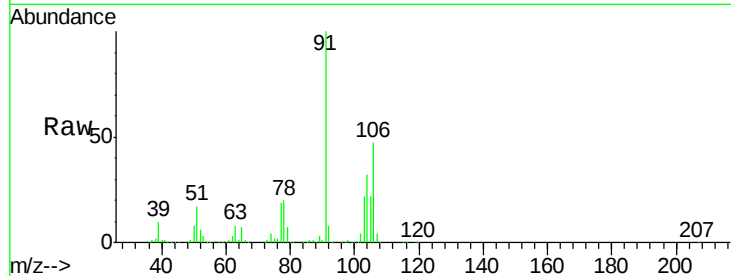
#69
o-Xylene
Concen: 57.15 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 685986
Ion Ratio Lower Upper
106 100
91 213.7 108.7 326.1

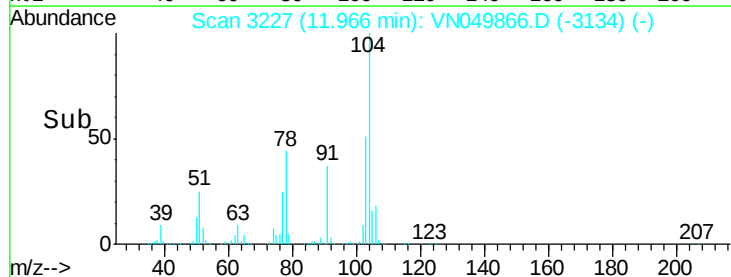
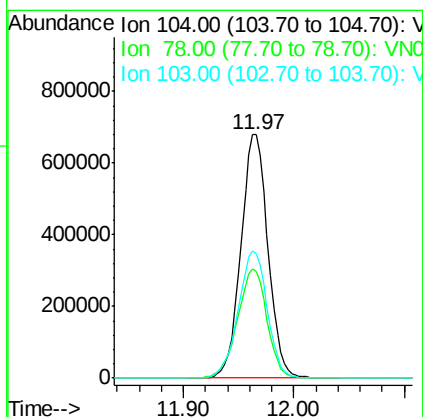
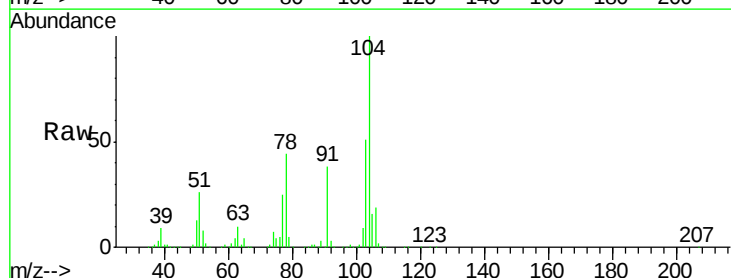
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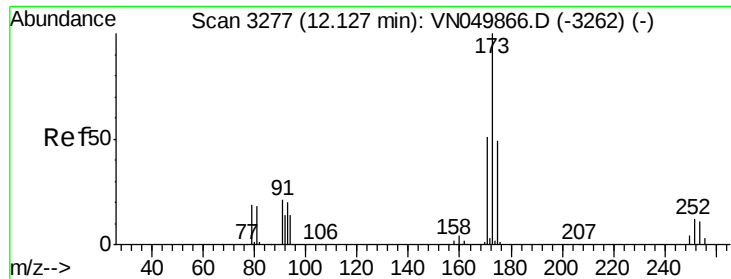
MMDadoda
7/19/2018 4:28:55 PM



#70
Styrene
Concen: 59.17 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion:104 Resp: 1151109
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 56.3 44.6 67.0





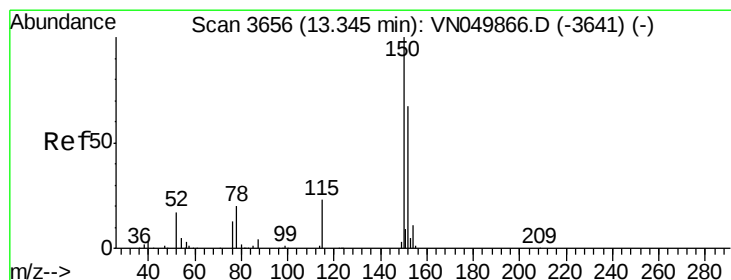
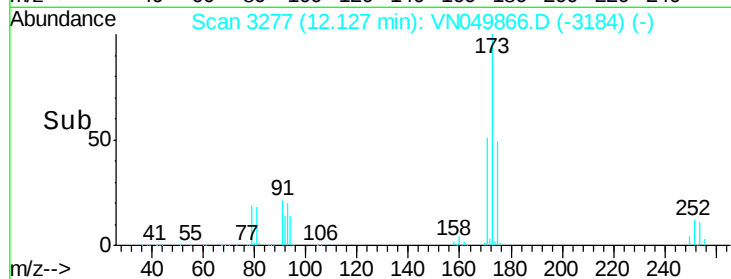
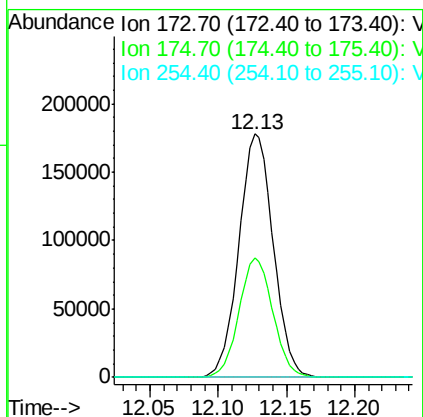
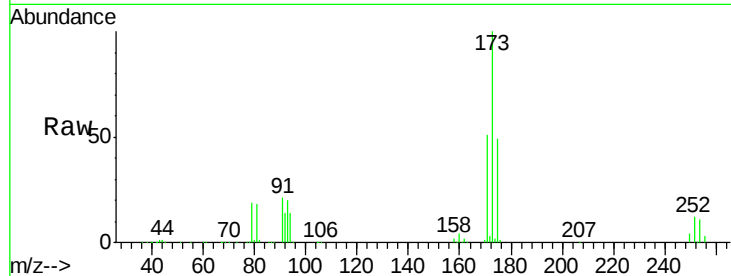
#71
Bromoform
Concen: 50.87 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.8
254	0.0	0.2	0.2

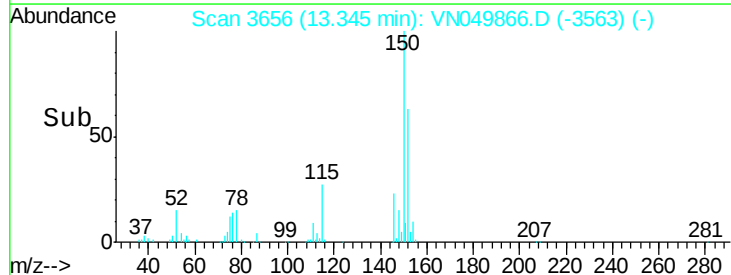
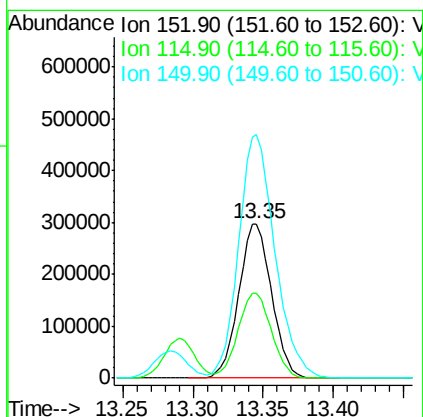
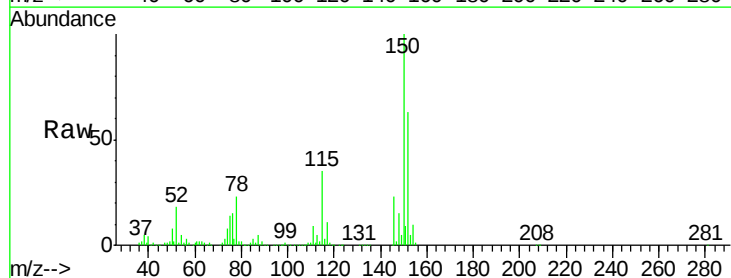
Manual Integrations
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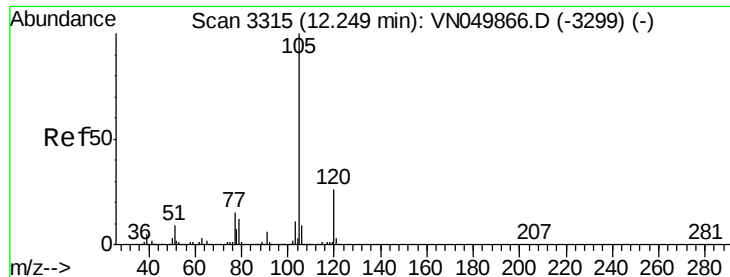
MMDadoda
7/19/2018 4:28:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	174.4	0.0	347.6





#73

Isopropylbenzene

Concen: 52.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 1842992

Ion Ratio Lower Upper

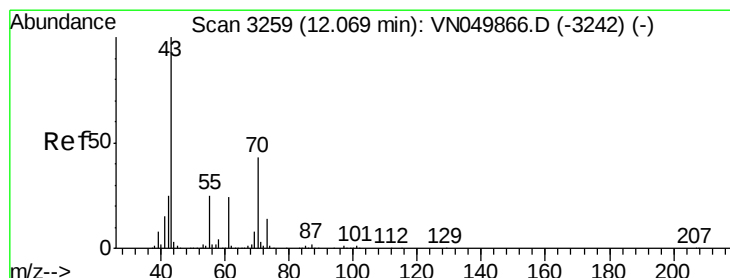
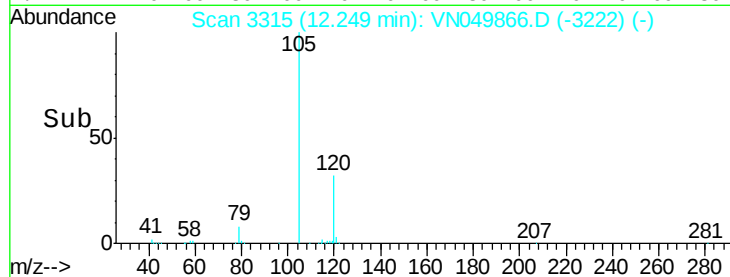
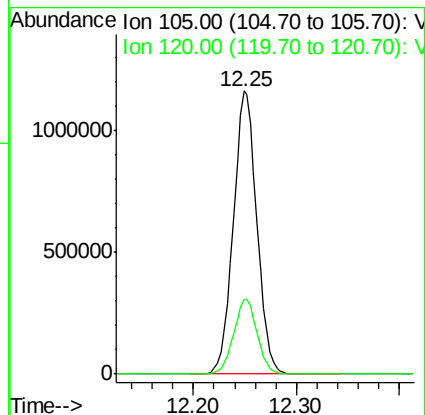
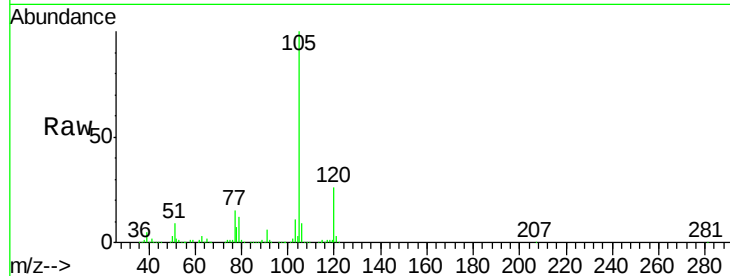
105 100

120 26.6 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.10 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Tgt Ion: 43 Resp: 581266

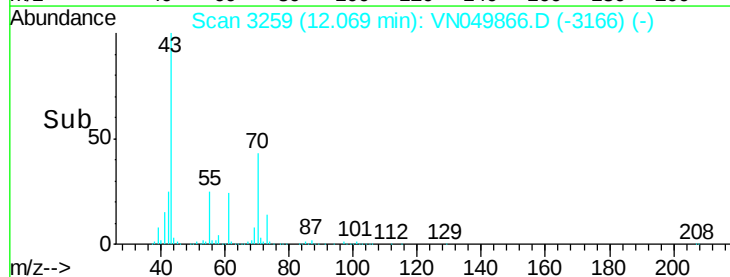
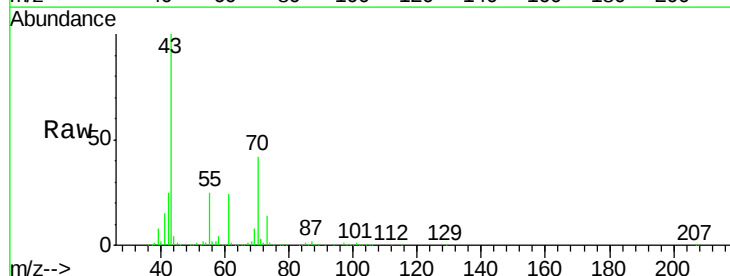
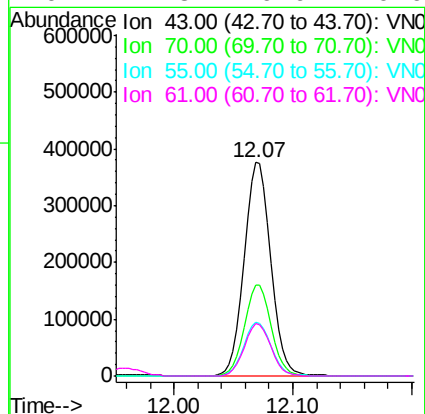
Ion Ratio Lower Upper

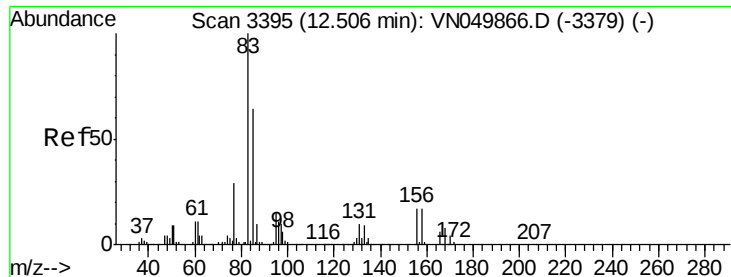
43 100

70 42.9 34.8 52.2

55 26.2 20.9 31.3

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 44.60 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 502203

Ion Ratio Lower Upper

83 100

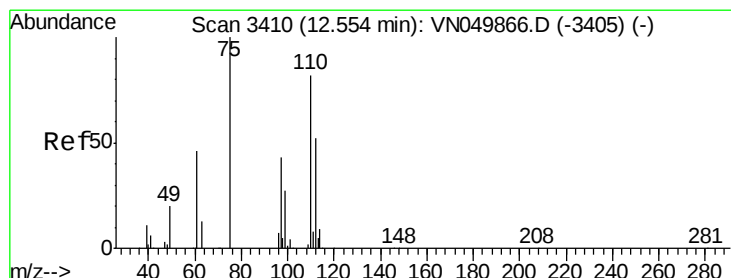
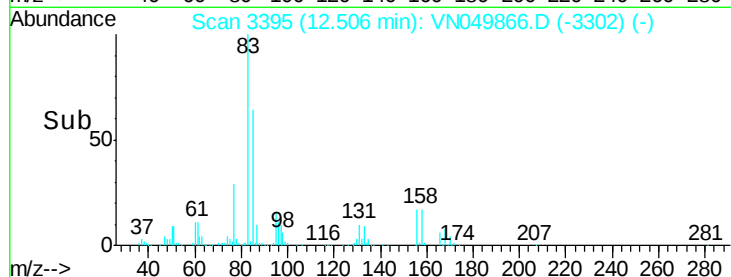
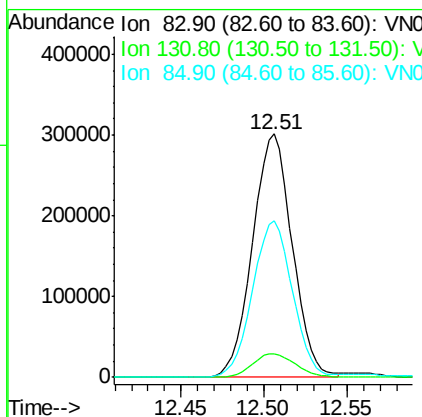
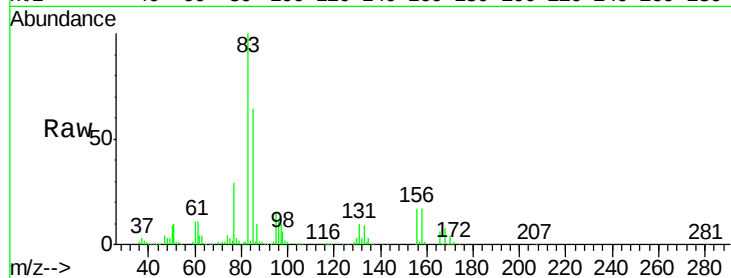
131 10.5 5.2 15.6

85 64.5 32.5 97.4

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#76

1,2,3-Trichloropropane

Concen: 45.23 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049866.D

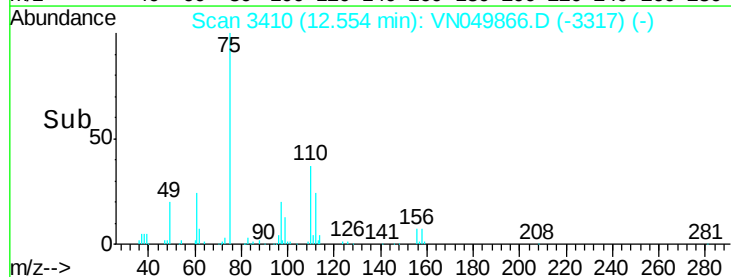
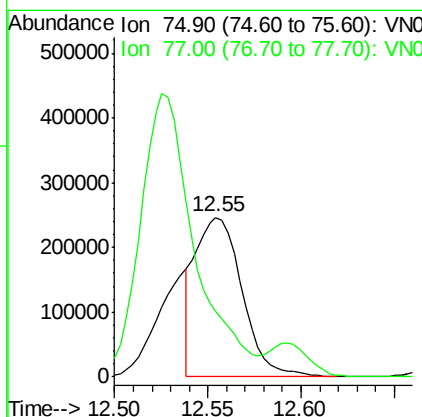
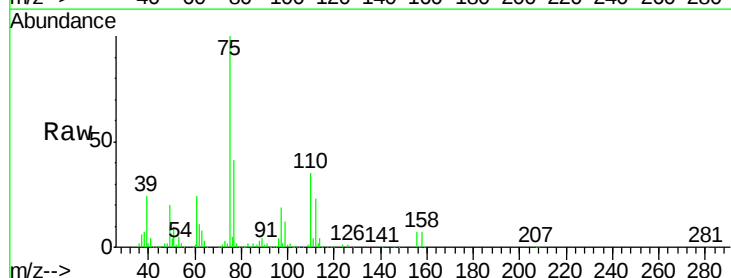
Acq: 18 Jul 2018 11:35

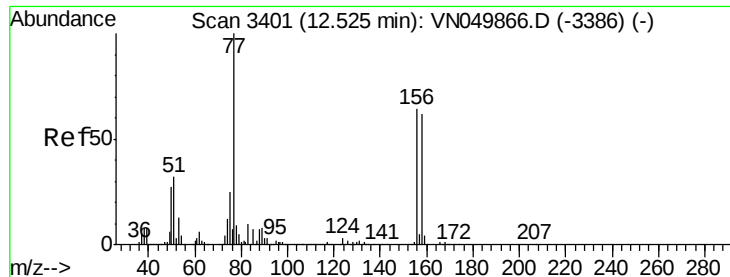
Tgt Ion: 75 Resp: 429087

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.87 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:156 Resp: 479943

Ion Ratio Lower Upper

156 100

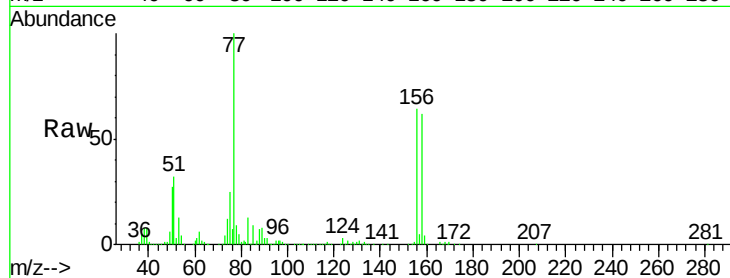
77 184.5 90.2 270.6

158 97.2 49.1 147.3

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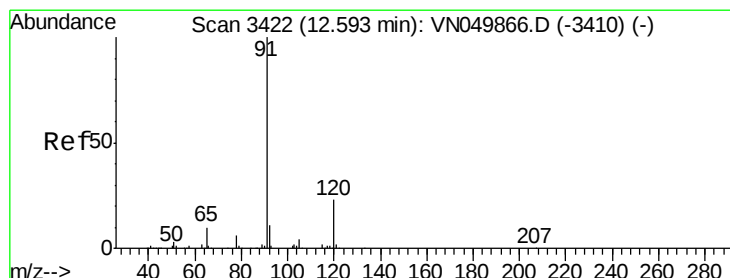
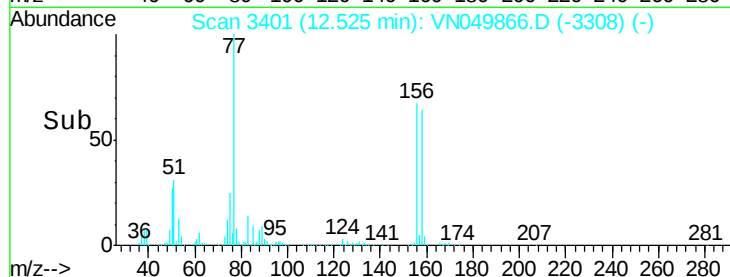
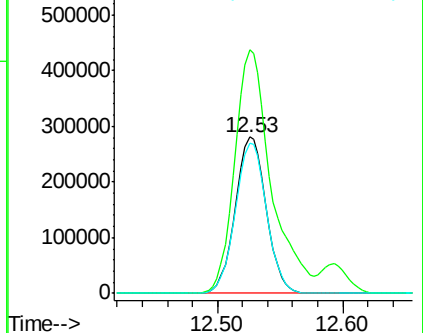
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.25 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049866.D

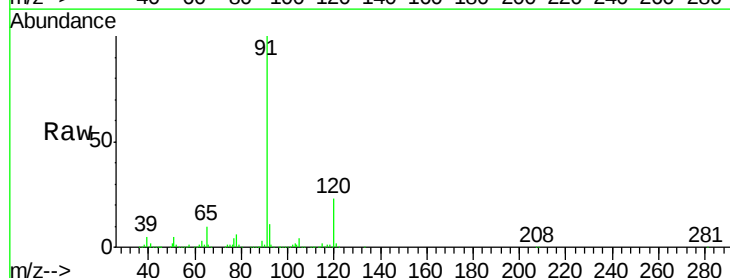
Acq: 18 Jul 2018 11:35

Tgt Ion: 91 Resp: 2143529

Ion Ratio Lower Upper

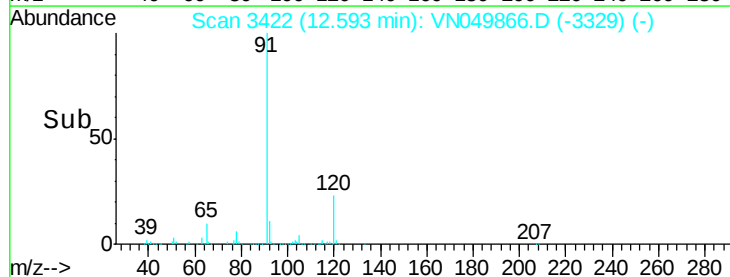
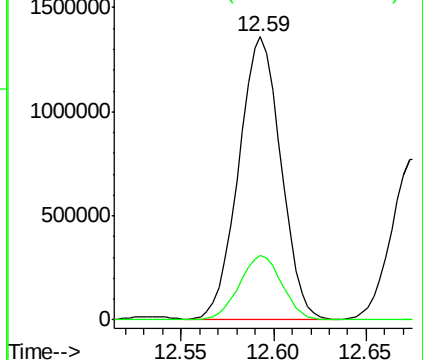
91 100

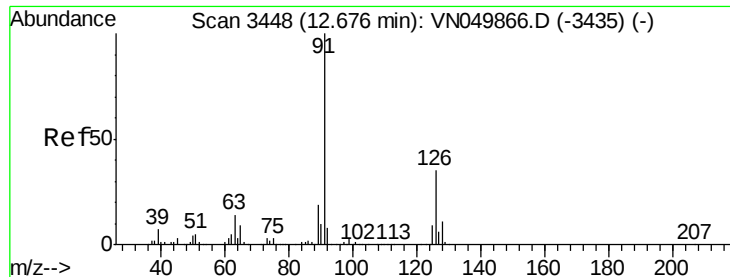
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.14 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1271767

Ion Ratio Lower Upper

91 100

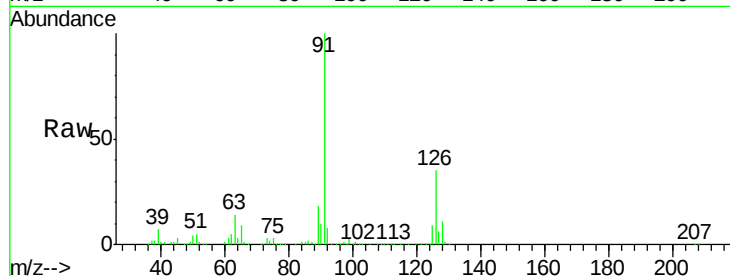
126 34.8 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)

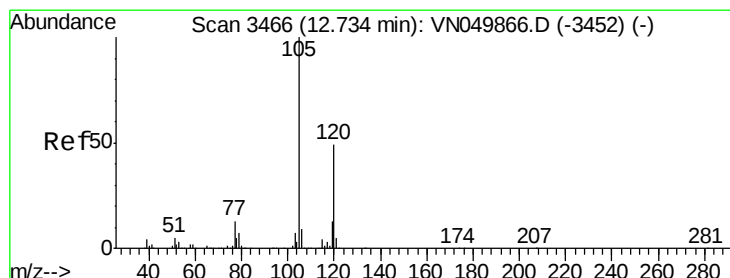
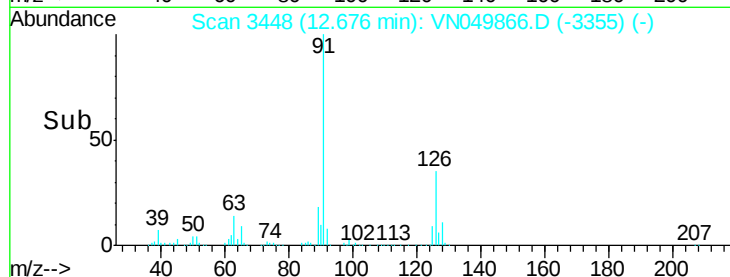
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 55.77 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049866.D

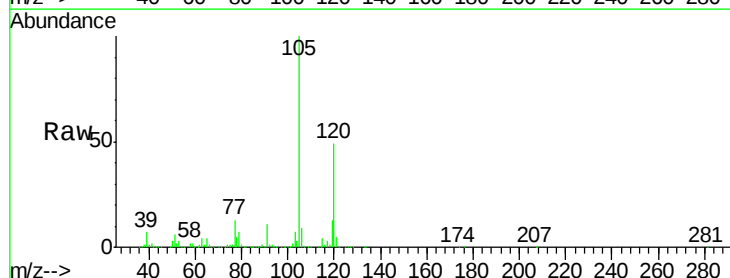
Acq: 18 Jul 2018 11:35

Tgt Ion: 105 Resp: 1534509

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

1000000

800000

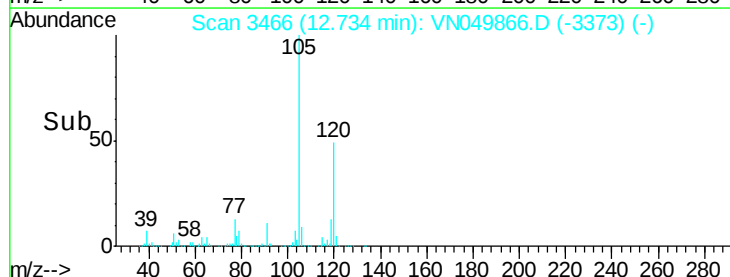
600000

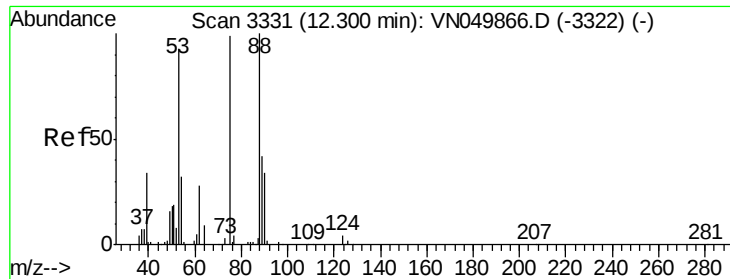
400000

200000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 49.93 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

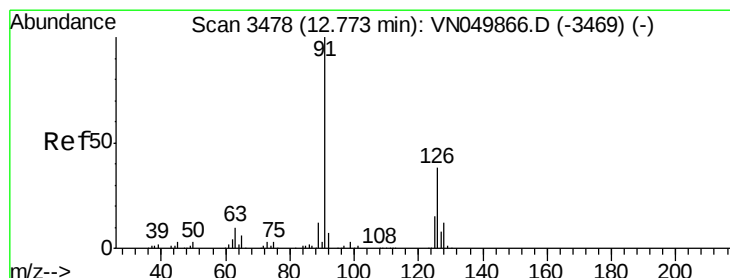
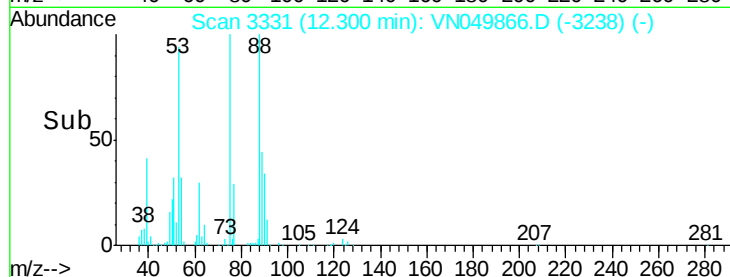
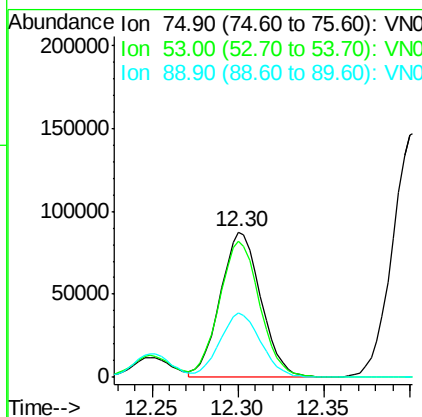
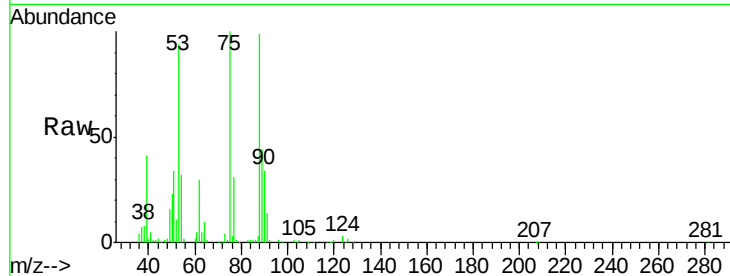
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	144732
Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.9	110.9
89	45.0	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.99 ug/l

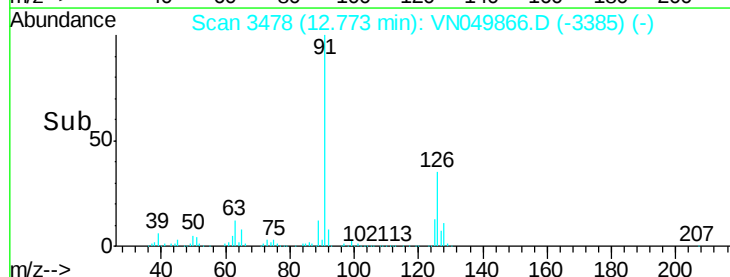
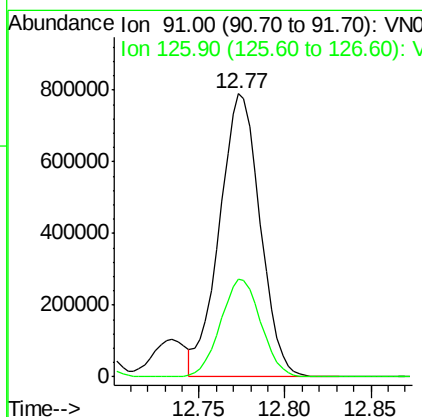
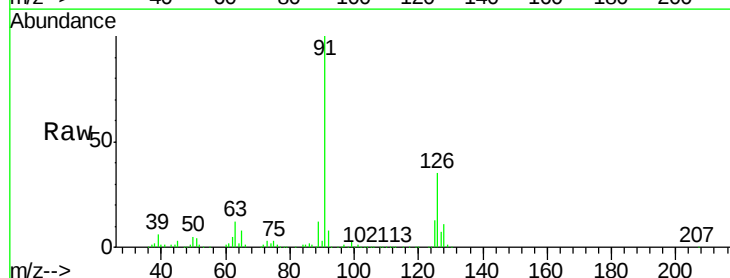
RT: 12.77 min Scan# 3478

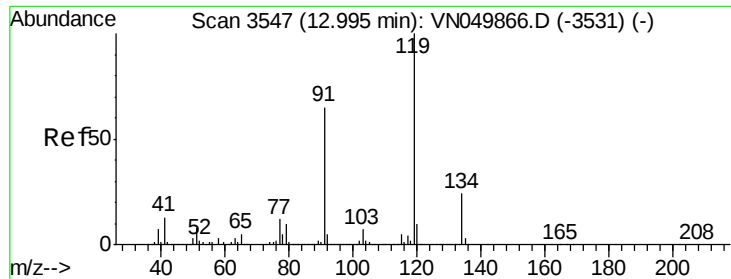
Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Tgt Ion:	91	Resp:	1301210
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





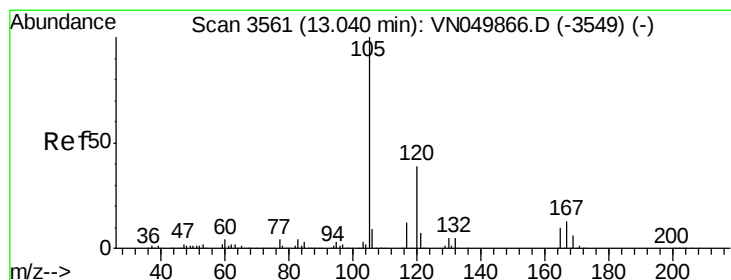
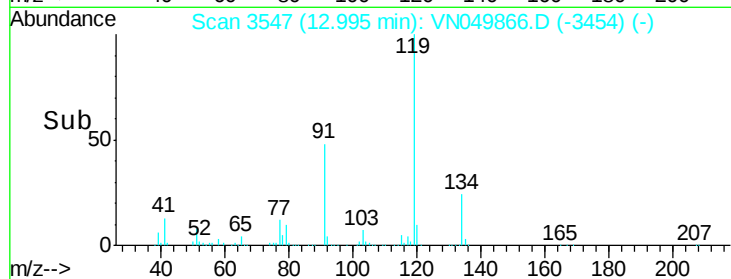
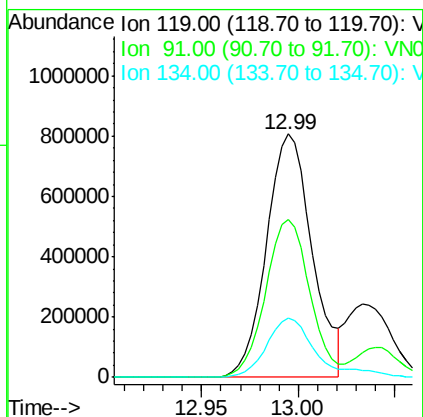
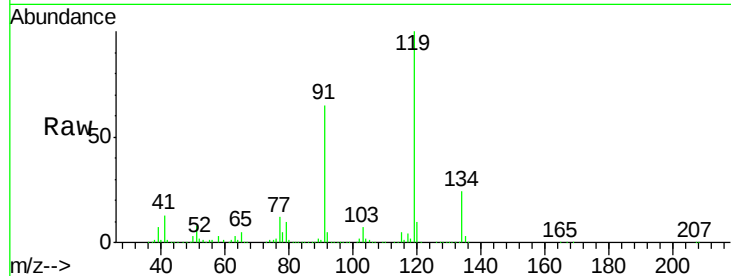
#83
 tert-Butylbenzene
 Concen: 55.05 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:119 Resp: 1327704
 Ion Ratio Lower Upper
 119 100
 91 63.2 32.0 96.2
 134 26.4 12.8 38.4

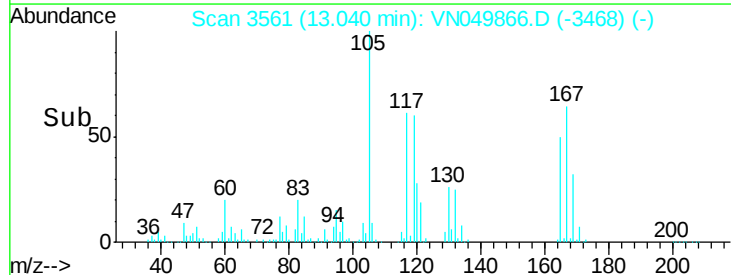
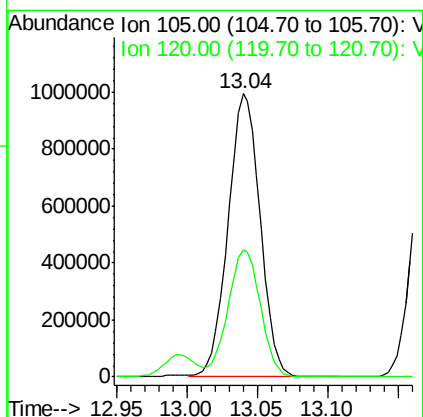
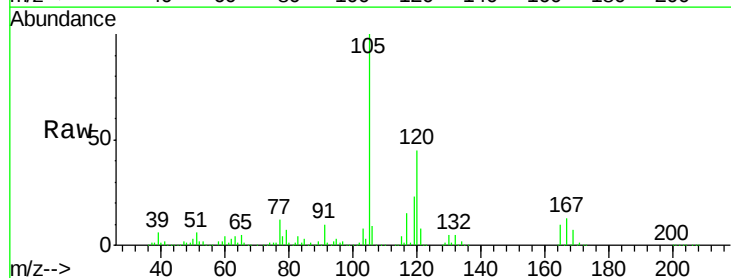
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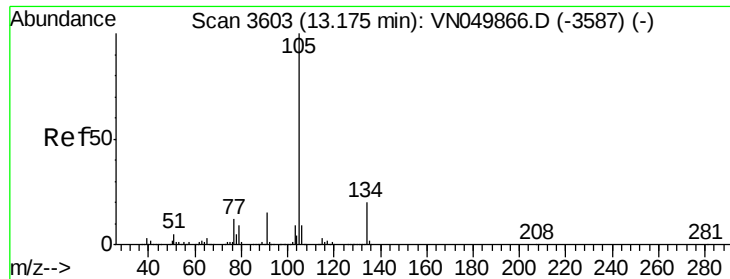
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.22 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion:105 Resp: 1577257
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.7 68.1





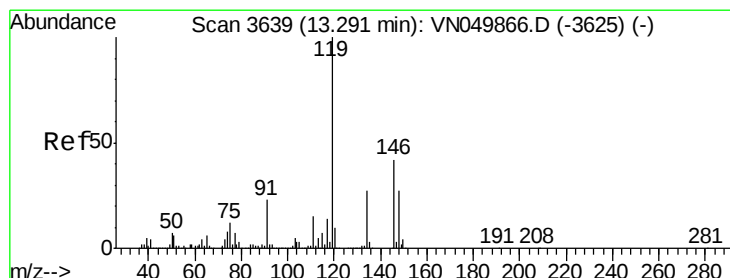
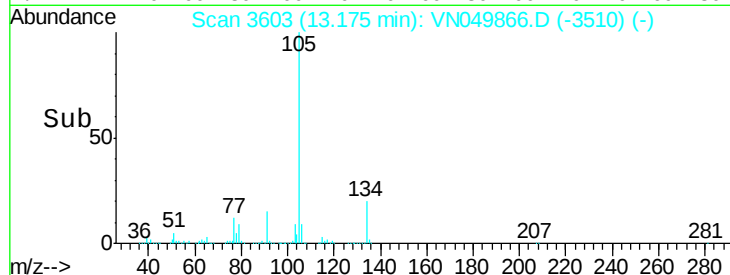
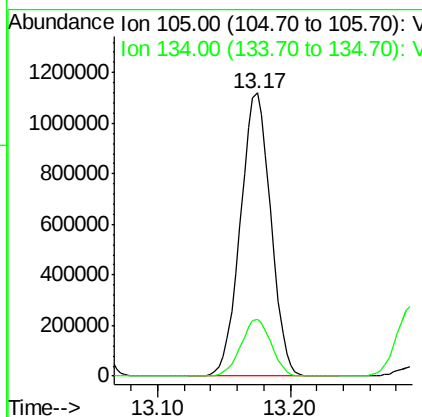
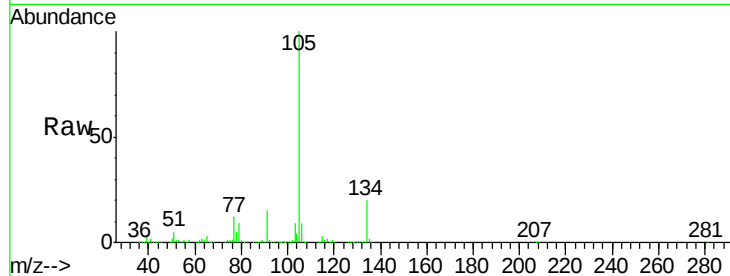
#85
 sec-Butylbenzene
 Concen: 54.80 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1777806
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1

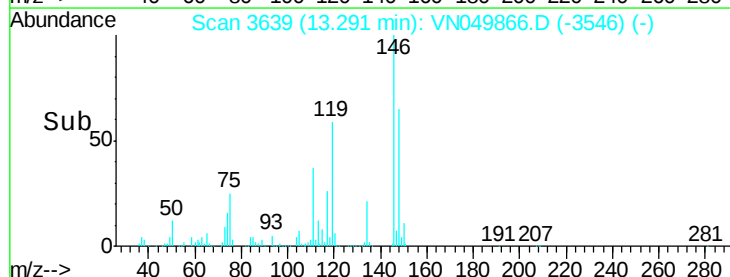
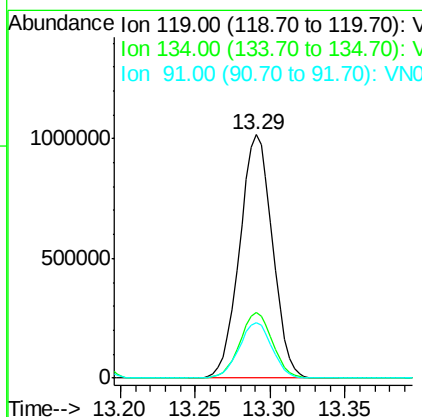
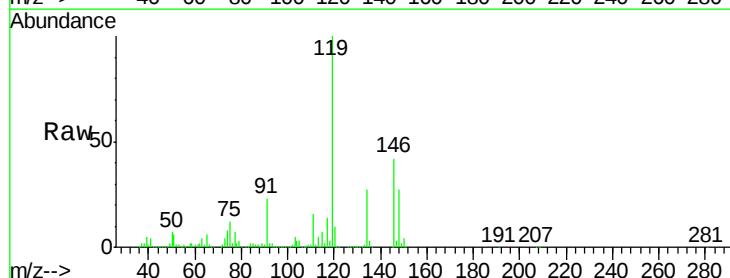
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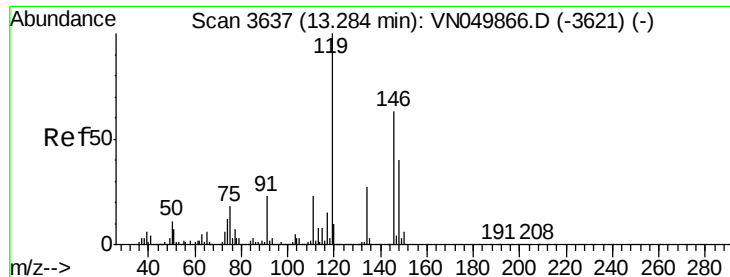
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#86
 p-Isopropyltoluene
 Concen: 56.45 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion:119 Resp: 1548517
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.8 11.4 34.1





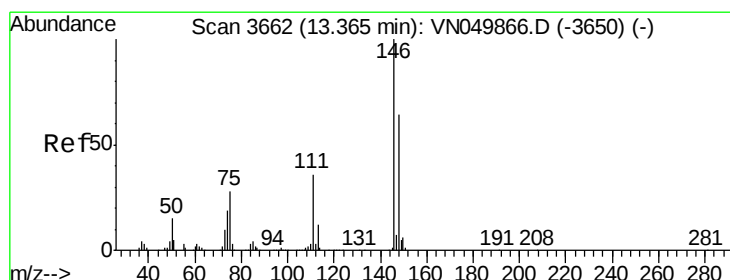
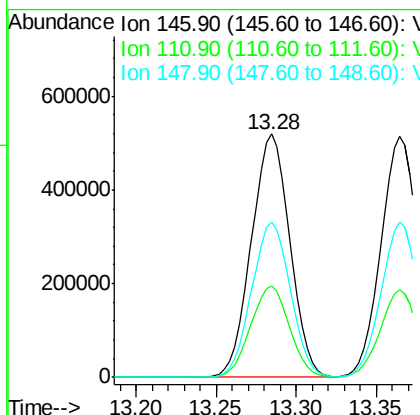
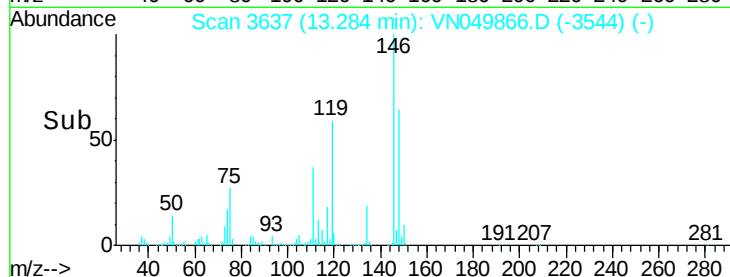
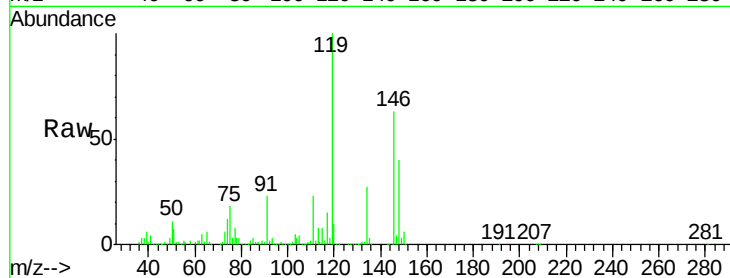
#87
 1,3-Dichlorobenzene
 Concen: 51.78 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.2	32.5	97.5

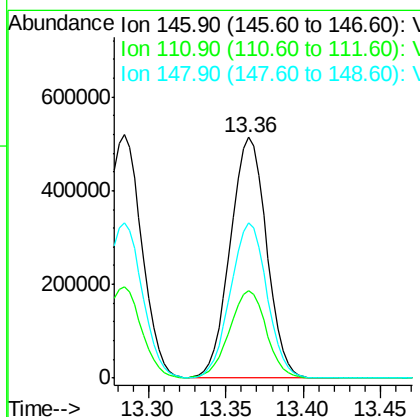
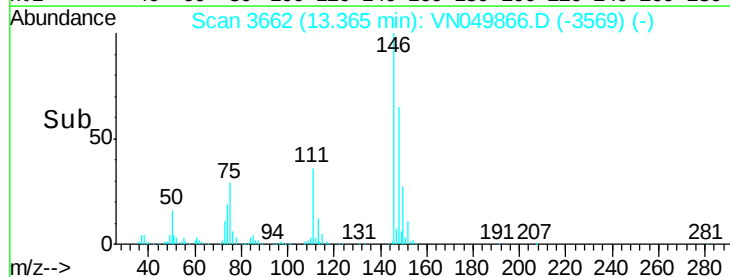
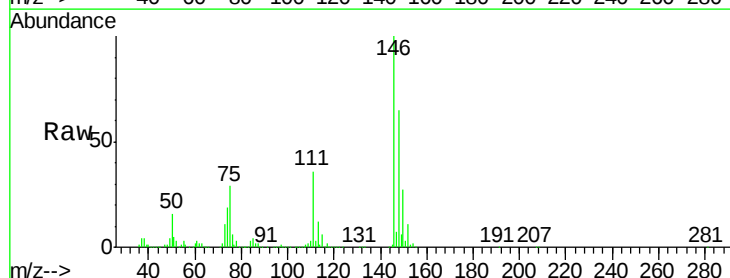
Manual Integrations
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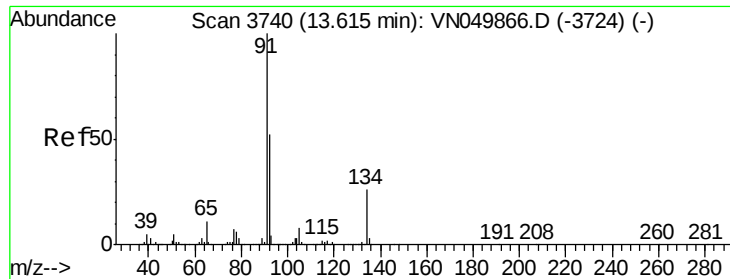
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#88
 1,4-Dichlorobenzene
 Concen: 51.52 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.5
148	64.9	32.1	96.3





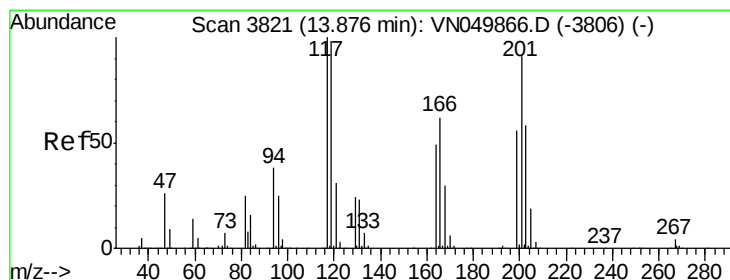
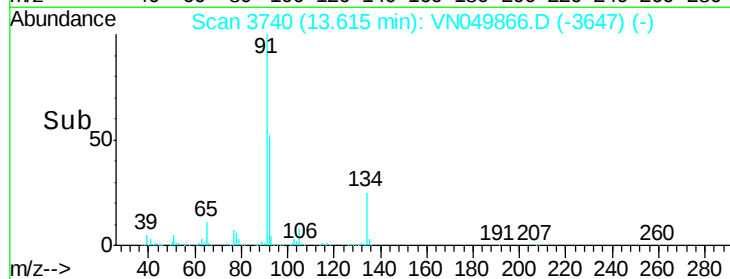
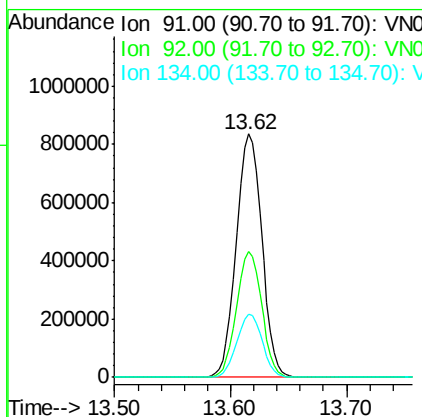
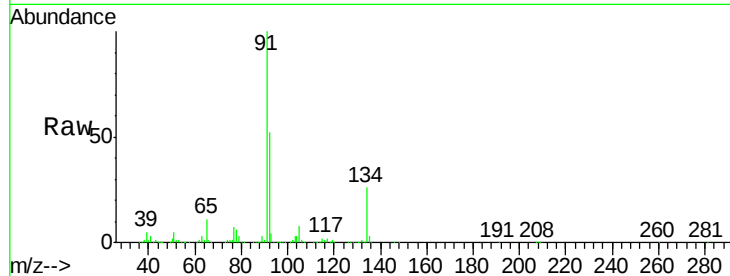
#89
n-Butylbenzene
Concen: 56.76 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.8	77.3
134	25.8	13.0	38.9

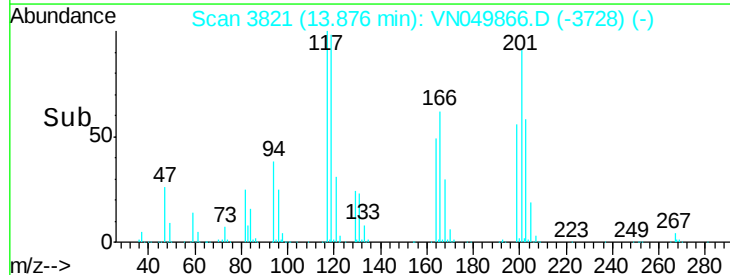
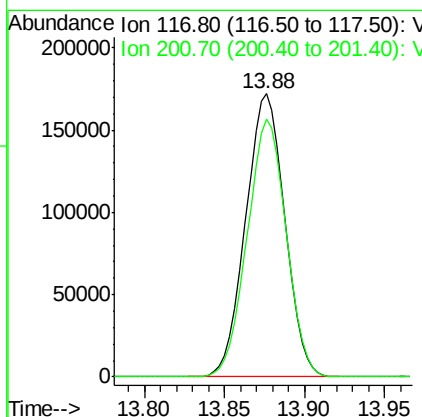
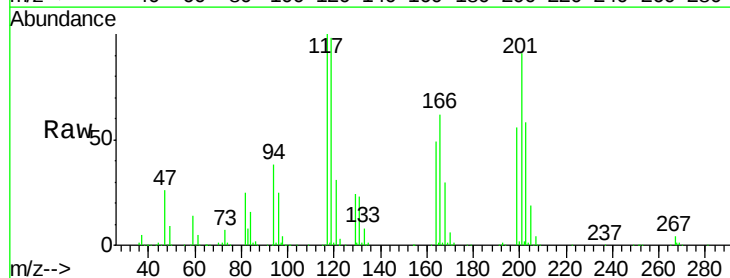
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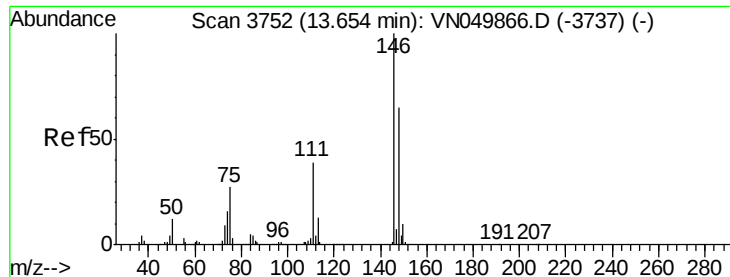
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#90
Hexachloroethane
Concen: 46.88 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.3	135.8





#91

1,2-Dichlorobenzene

Concen: 49.89 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049866.D

Acq: 18 Jul 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 839252
Ion Ratio Lower Upper

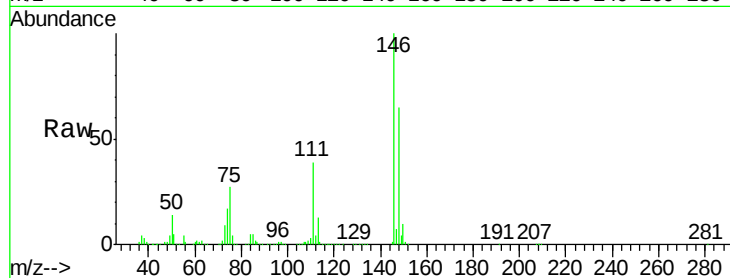
146 100

111 39.1 19.7 59.1

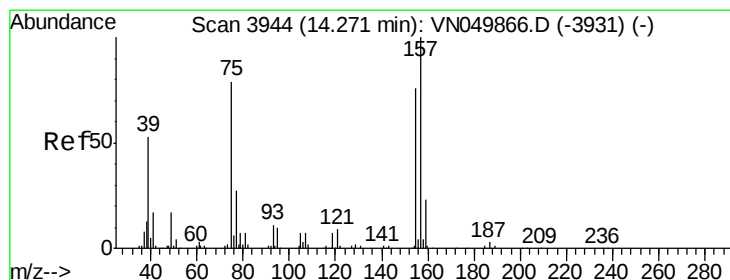
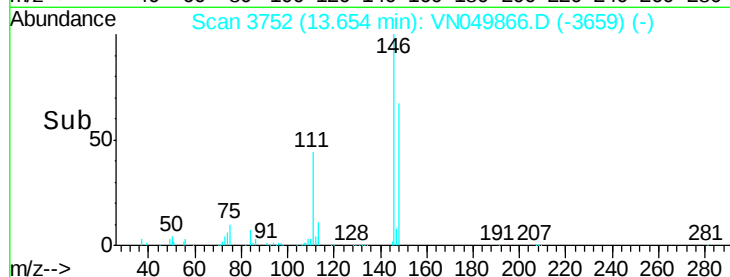
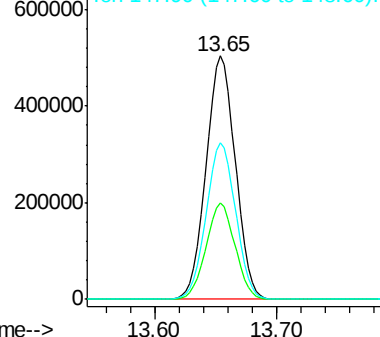
148 64.4 32.0 96.2

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 41.17 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049866.D

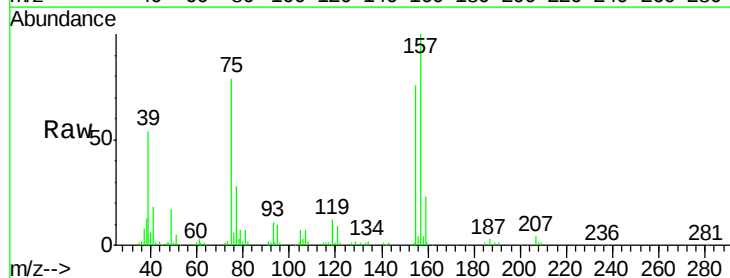
Acq: 18 Jul 2018 11:35

Tgt Ion: 75 Resp: 77707
Ion Ratio Lower Upper

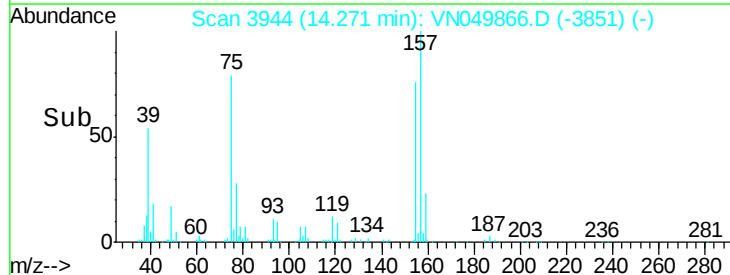
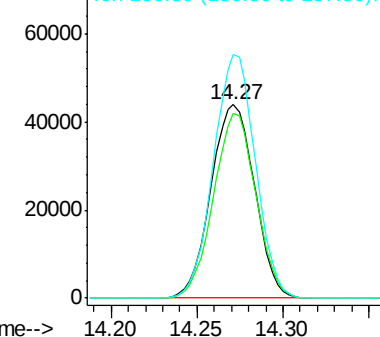
75 100

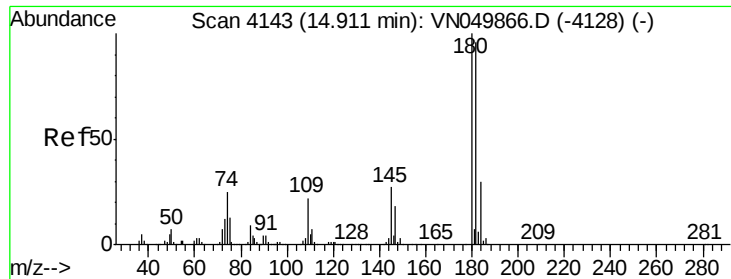
155 92.1 45.7 137.1

157 120.3 56.9 170.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





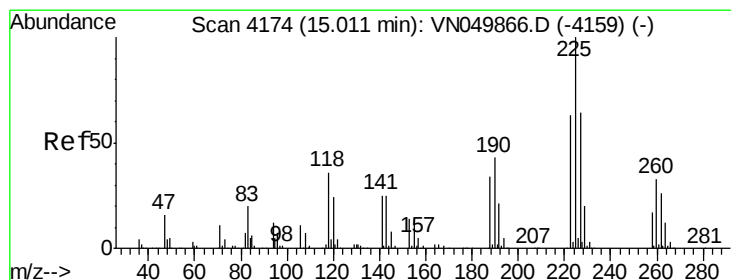
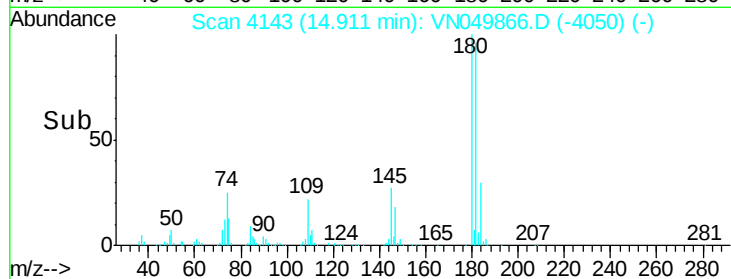
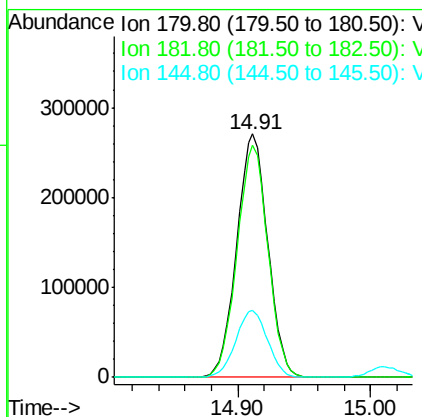
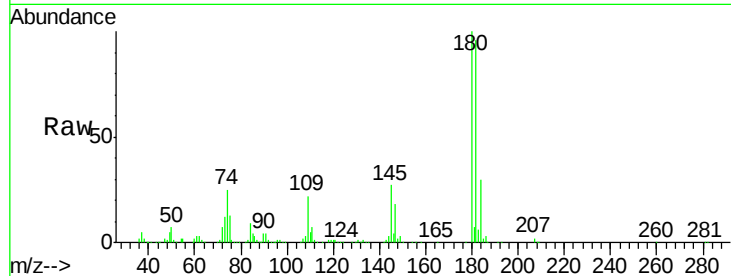
#93
 1,2,4-Trichlorobenzene
 Concen: 58.51 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	438261		
182	95.0	47.3	141.9	
145	28.2	14.4	43.0	

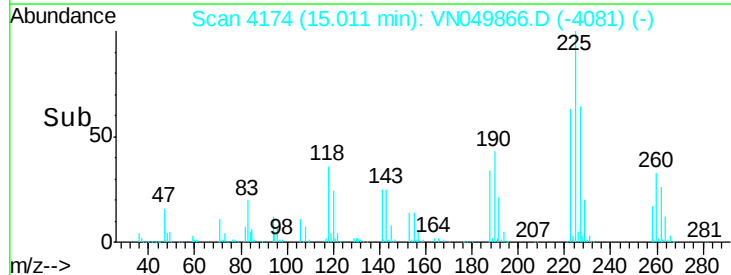
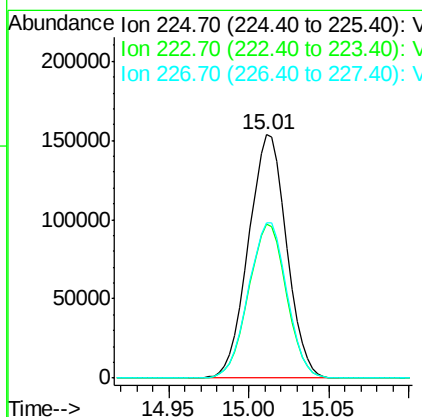
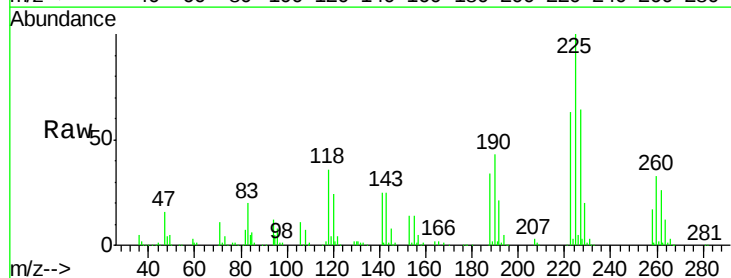
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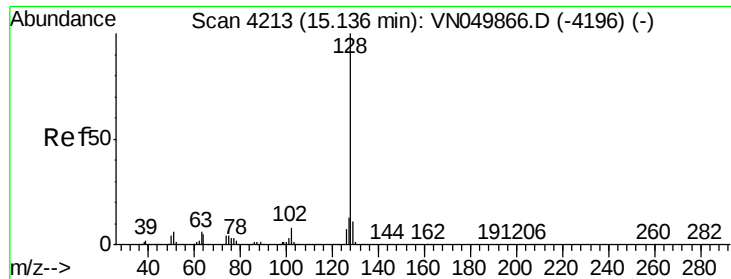
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#94
 Hexachlorobutadiene
 Concen: 47.67 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049866.D
 Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	250505		
223	62.9	30.9	92.7	
227	64.4	31.8	95.4	





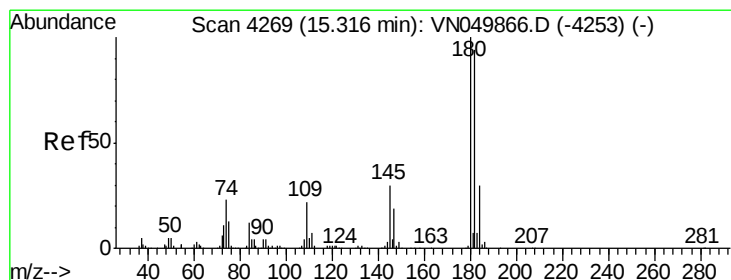
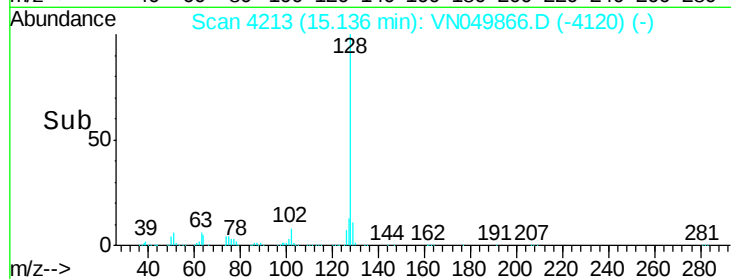
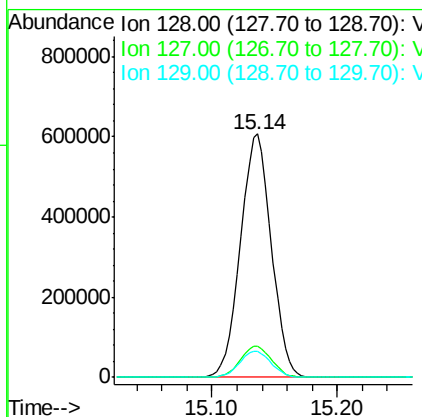
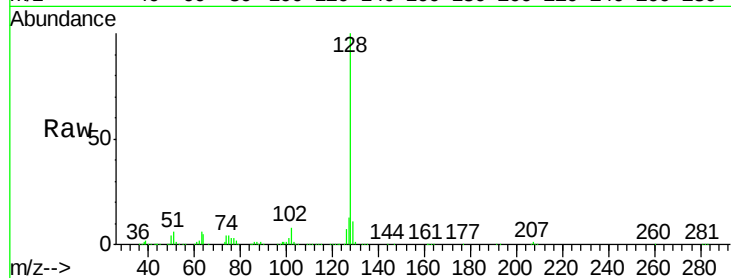
#95
Naphthalene
Concen: 57.97 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.55 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049866.D
Acq: 18 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	30.7	15.2	45.6

