

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049845.D
 Acq On : 17 Jul 2018 14:27
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:13 AM

Quant Time: Jul 17 16:43:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	740372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1052716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	975813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	538055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	486127	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.04%		
35) Dibromofluoromethane	7.59	113	433719	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.88%		
50) Toluene-d8	10.09	98	1638507	53.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.88%		
62) 4-Bromofluorobenzene	12.40	95	575687	56.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.14%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	323076	53.30	ug/l	96
3) Chloromethane	2.06	50	418589	51.60	ug/l	99
4) Vinyl Chloride	2.18	62	459317	43.37	ug/l	100
5) Bromomethane	2.55	94	262834	48.06	ug/l	100
6) Chloroethane	2.69	64	285988	50.93	ug/l	100
7) Trichlorofluoromethane	3.01	101	613861	52.23	ug/l	98
8) Diethyl Ether	3.41	74	230475	45.29	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	383757	53.87	ug/l	99
10) Methyl Iodide	3.95	142	489462	45.77	ug/l	99
11) Tert butyl alcohol	4.81	59	193911	246.24	ug/l	99
12) 1,1-Dichloroethene	3.73	96	343596	44.49	ug/l	100
13) Acrolein	3.61	56	121399	190.12	ug/l	99
14) Allyl chloride	4.32	41	572673	46.70	ug/l	99
15) Acrylonitrile	4.99	53	794164	239.72	ug/l	98
16) Acetone	3.82	43	666047	299.36	ug/l	100
17) Carbon Disulfide	4.04	76	1004931	50.61	ug/l	99
18) Methyl Acetate	4.33	43	400508	50.47	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1085624	50.33	ug/l	97
20) Methylene Chloride	4.55	84	399029	50.97	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	377480	46.24	ug/l	100
22) Diisopropyl ether	5.96	45	1217904	49.68	ug/l	98
23) Vinyl Acetate	5.90	43	4558331	252.83	ug/l	99
24) 1,1-Dichloroethane	5.85	63	699389	44.52	ug/l	99
25) 2-Butanone	6.84	43	1018233	249.43	ug/l	100
26) 2,2-Dichloropropane	6.83	77	596684	49.89	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	427985	46.76	ug/l	99
28) Bromochloromethane	7.20	49	352750	48.37	ug/l	97
29) Tetrahydrofuran	7.22	42	644510	248.31	ug/l	99
30) Chloroform	7.37	83	725958	44.76	ug/l	100
31) Cyclohexane	7.65	56	626441	52.51	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	627039	45.52	ug/l	99
36) 1,1-Dichloropropene	7.79	75	549859	49.37	ug/l	100
37) Ethyl Acetate	6.93	43	420314	50.60	ug/l	99
38) Carbon Tetrachloride	7.77	117	554691	47.27	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	623701	54.37	ug/l	99
40) Benzene	8.04	78	1634311	48.40	ug/l	100
41) Methacrylonitrile	7.18	41	216211	50.69	ug/l	97
42) 1,2-Dichloroethane	8.13	62	534521	46.55	ug/l	99
43) Isopropyl Acetate	8.17	43	738086	52.22	ug/l #	87
44) Trichloroethene	8.84	130	426123	47.97	ug/l	99
45) 1,2-Dichloropropane	9.12	63	428355	47.62	ug/l	99
46) Dibromomethane	9.21	93	271310	47.27	ug/l	99
47) Bromodichloromethane	9.40	83	562170	48.20	ug/l	98
48) Methyl methacrylate	9.20	41	368865	52.63	ug/l	99
49) 1,4-Dioxane	9.20	88	111064	1045.41	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2192034	263.67	ug/l	100
52) Toluene	10.16	92	1031090	50.96	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	605702	53.19	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	662955	51.87	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	397960	47.93	ug/l	100
56) Ethyl methacrylate	10.43	69	559480	55.63	ug/l	98
57) 1,3-Dichloropropane	10.71	76	659879	49.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1270280	267.59	ug/l	99
59) 2-Hexanone	10.75	43	1596262	280.05	ug/l	100
60) Dibromochloromethane	10.90	129	448073	48.46	ug/l	99
61) 1,2-Dibromoethane	11.01	107	404697	49.73	ug/l	99
64) Tetrachloroethene	10.63	164	395217	47.62	ug/l	99
65) Chlorobenzene	11.44	112	1125472	48.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	424646	47.81	ug/l	99
67) Ethyl Benzene	11.51	91	1976482	53.15	ug/l	99
68) m/p-Xylenes	11.62	106	1524806	108.07	ug/l	99
69) o-Xylene	11.95	106	728830	54.17	ug/l	97
70) Styrene	11.97	104	1217270	55.81	ug/l	100
71) Bromoform	12.13	173	340276	49.74	ug/l #	99
73) Isopropylbenzene	12.25	105	1973880	50.66	ug/l	100
74) N-amyl acetate	12.07	43	653968	50.80	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	554103	44.34	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	453659m	43.09	ug/l	
77) Bromobenzene	12.53	156	505146	47.30	ug/l	97
78) n-propylbenzene	12.59	91	2308496	52.65	ug/l	100
79) 2-Chlorotoluene	12.68	91	1347878	49.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1637256	53.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	169313	52.63	ug/l	99
82) 4-Chlorotoluene	12.78	91	1370446	51.25	ug/l	100
83) tert-Butylbenzene	12.99	119	1400492	52.33	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1669711	53.63	ug/l	100
85) sec-Butylbenzene	13.17	105	1921866	53.38	ug/l	100
86) p-Isopropyltoluene	13.29	119	1688164	55.46	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	909952	49.57	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	896153	49.70	ug/l	99
89) n-Butylbenzene	13.62	91	1428039	57.20	ug/l	99
90) Hexachloroethane	13.88	117	309011	52.74	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	893469	47.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92832	52.85	ug/l	96

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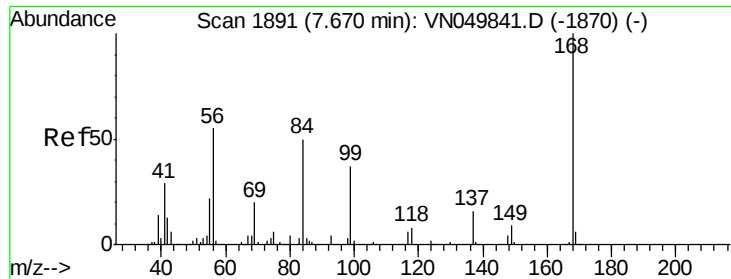
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	499001	60.03	ug/l	99
94) Hexachlorobutadiene	15.01	225	290078	49.75	ug/l	99
95) Naphthalene	15.14	128	1203309	52.20	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	495727	56.40	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: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion:168 Resp: 740372

Ion Ratio Lower Upper

168 100

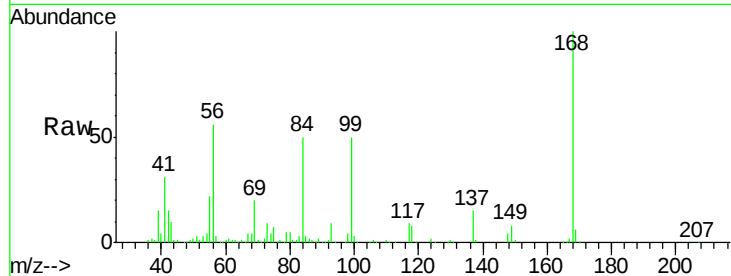
99 49.4 40.6 61.0

Manual Integrations

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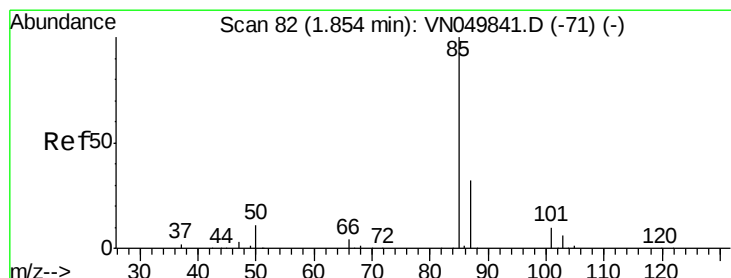
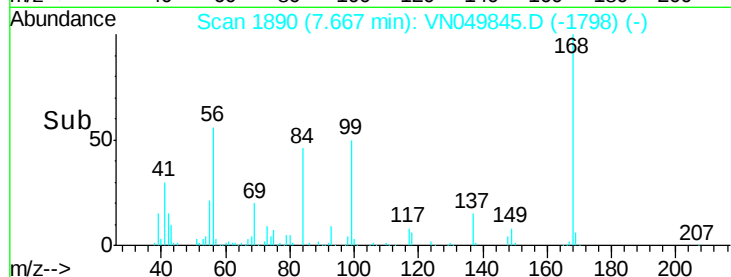
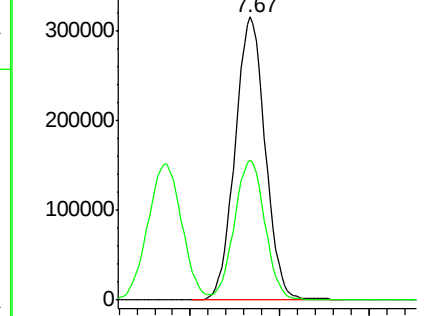
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.30 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049845.D

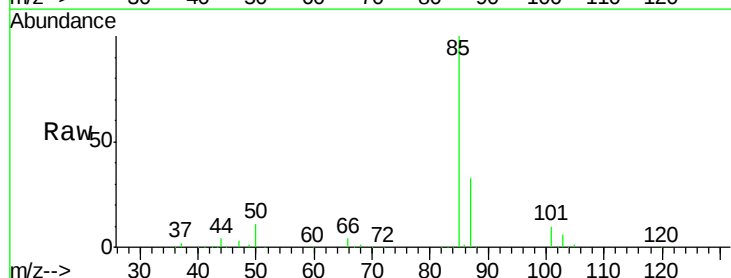
Acq: 17 Jul 2018 14:27

Tgt Ion: 85 Resp: 323076

Ion Ratio Lower Upper

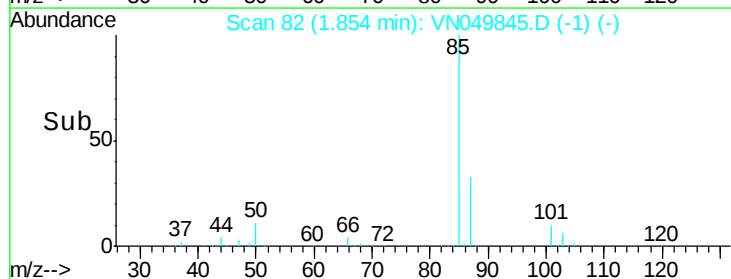
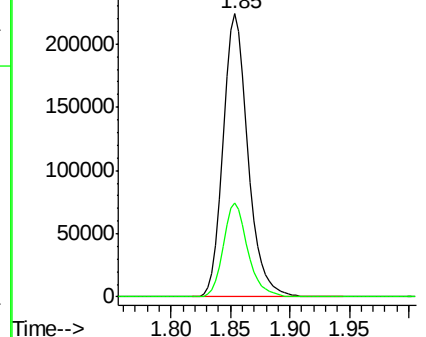
85 100

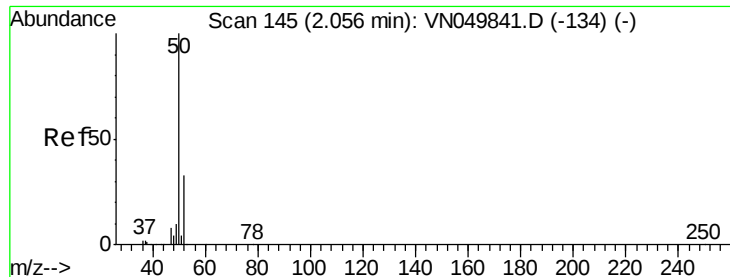
87 33.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.60 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 50 Resp: 418589

Ion Ratio Lower Upper

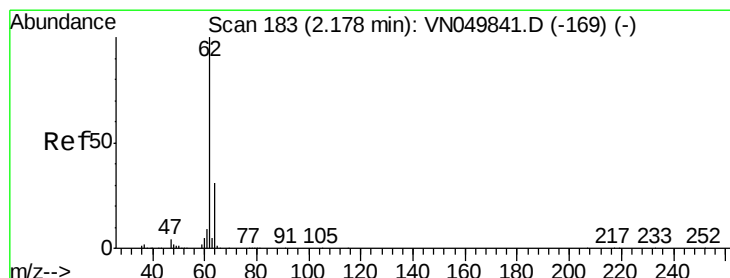
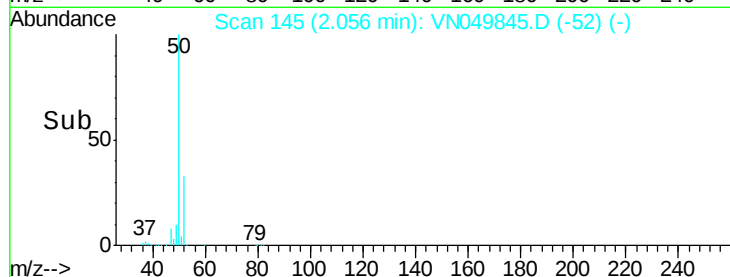
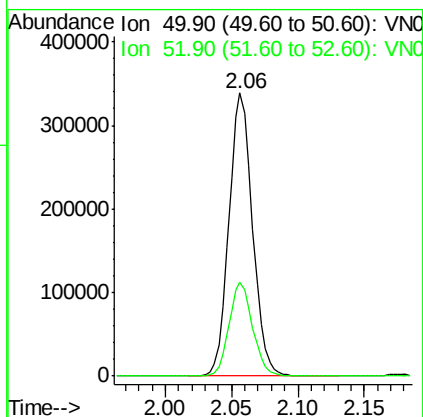
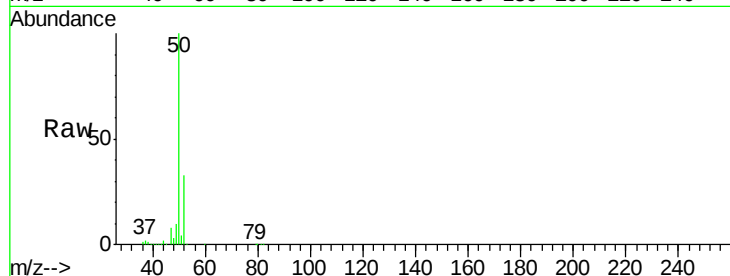
50 100

52 33.0 26.1 39.1

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#4

Vinyl Chloride

Concen: 43.37 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN049845.D

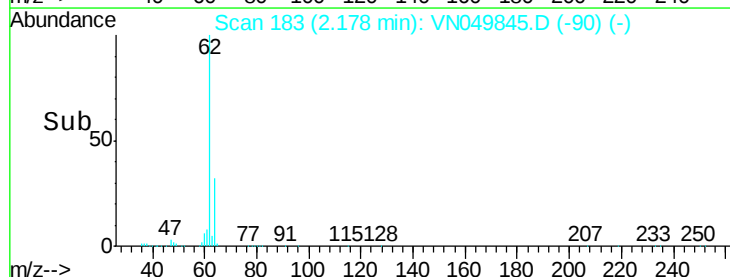
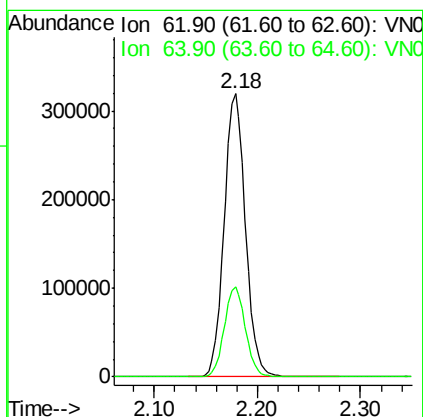
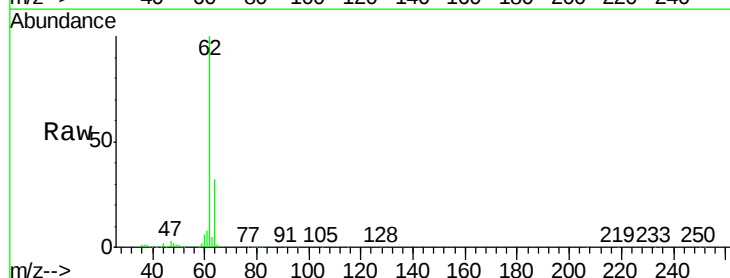
Acq: 17 Jul 2018 14:27

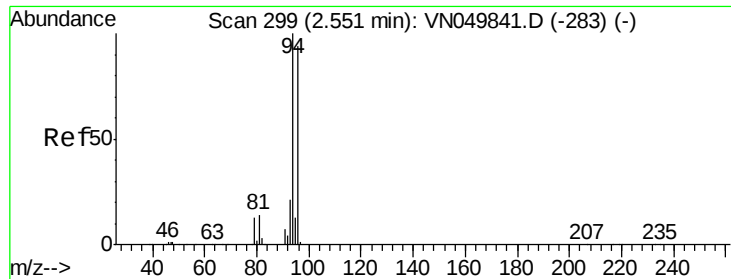
Tgt Ion: 62 Resp: 459317

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 48.06 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

ICVVN071718

Tot Ion: 94 Resp: 262834

Ion Ratio Lower Upper

94 100

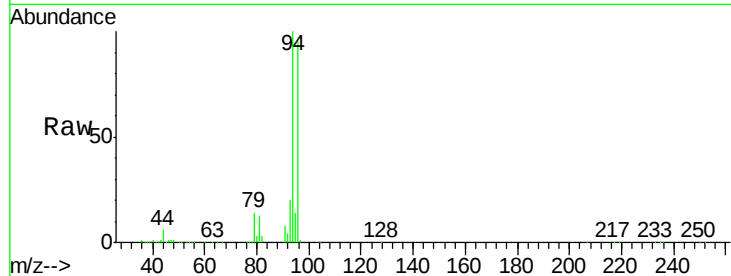
96 94.5 75.7 113.5

Manual Integrations

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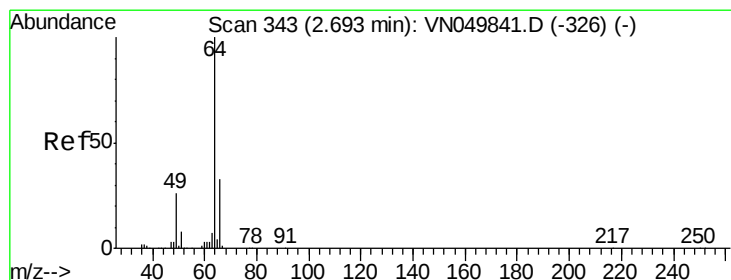
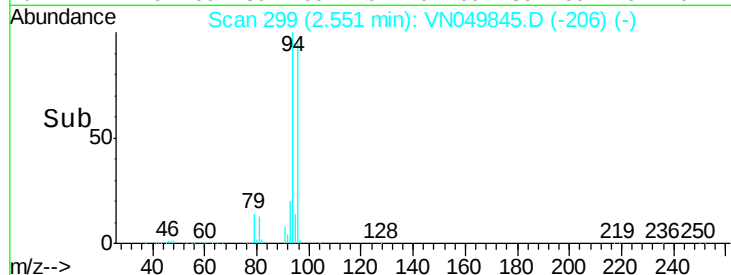
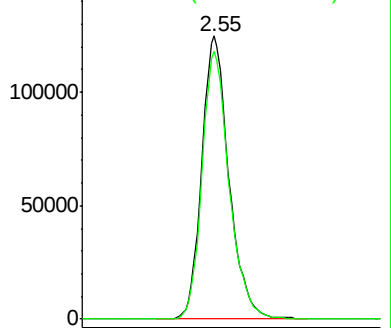
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.93 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN049845.D

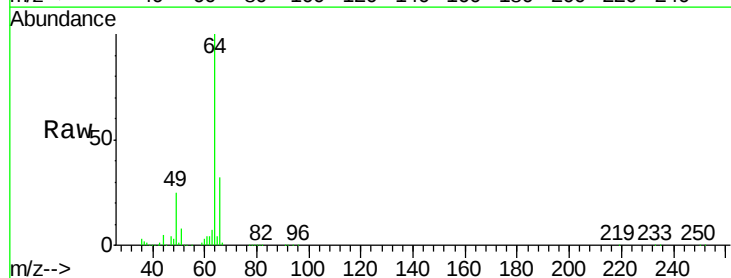
Acq: 17 Jul 2018 14:27

Tgt Ion: 64 Resp: 285988

Ion Ratio Lower Upper

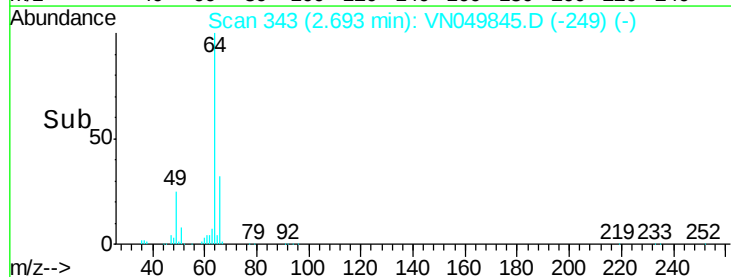
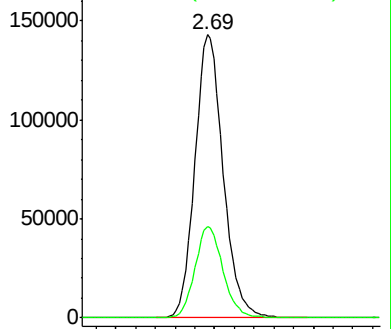
64 100

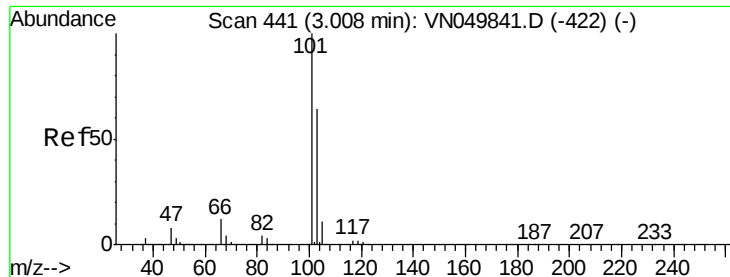
66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

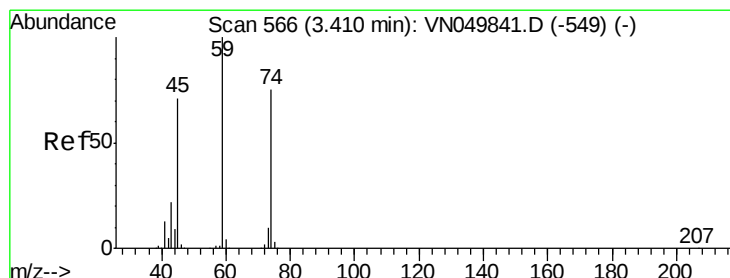
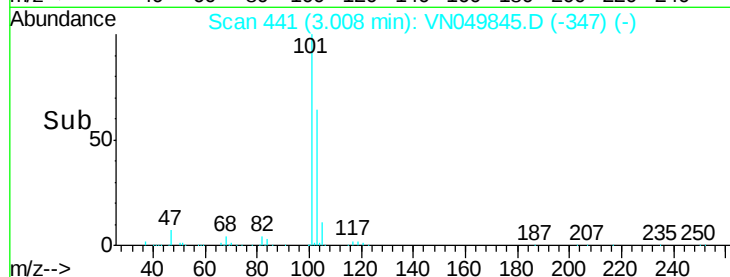
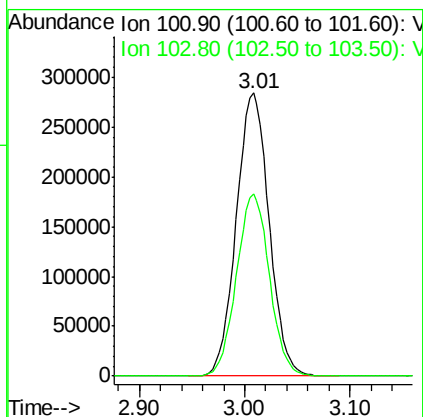
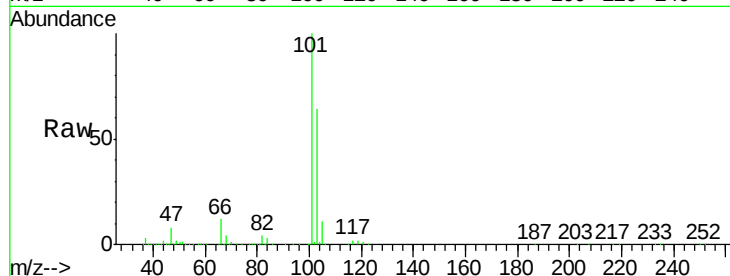
Trichlorofluoromethane
Concen: 52.23 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.8	79.2

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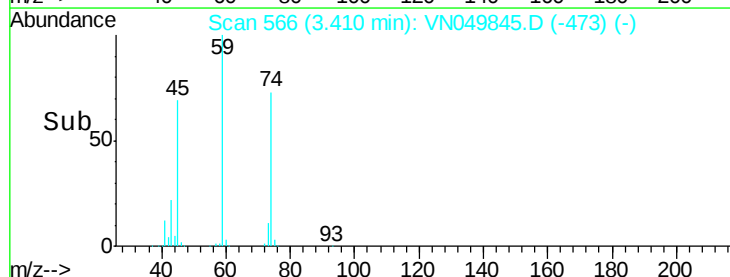
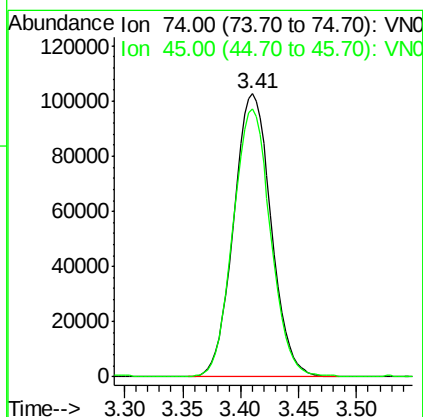
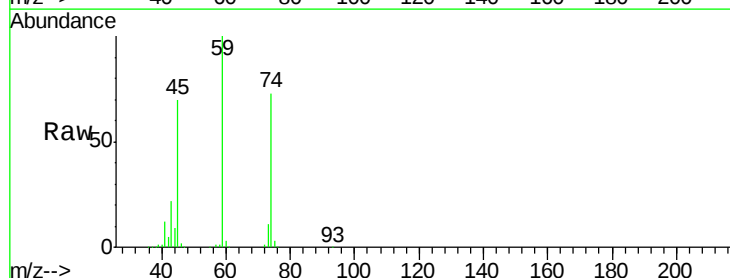
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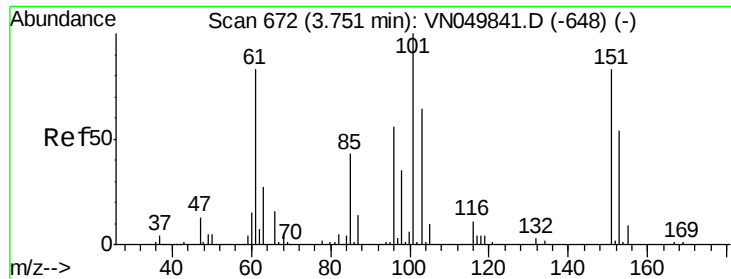


#8

Diethyl Ether
Concen: 45.29 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.87 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

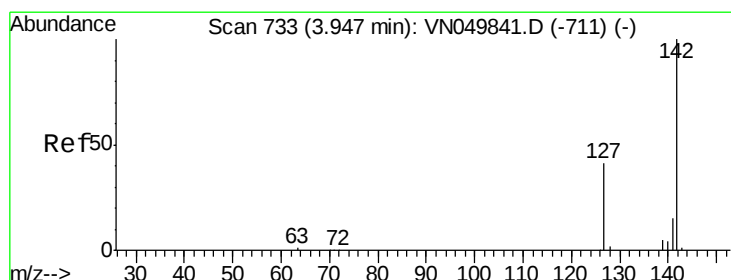
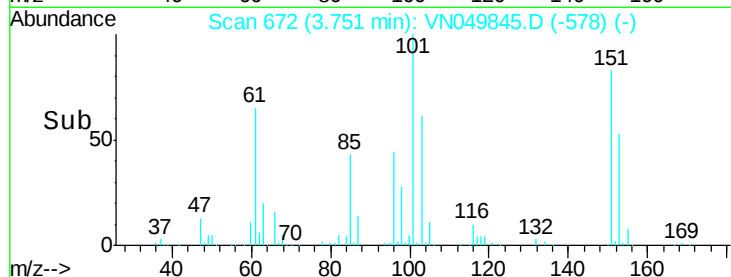
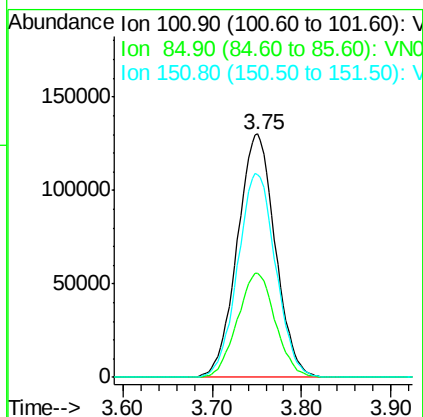
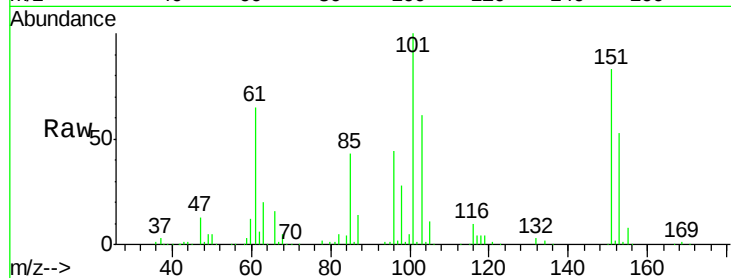
ClientSampleId :

ICVVN071718

Tot Ion:	101	Resp:	383757
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	84.0	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 45.77 ug/l

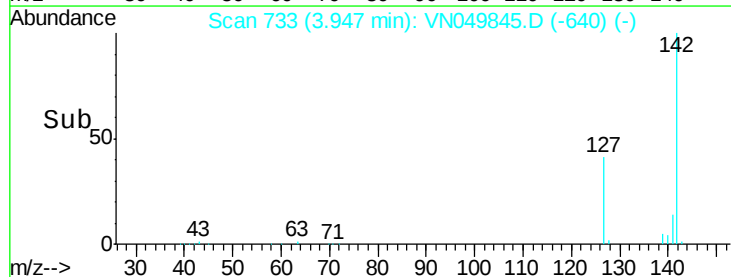
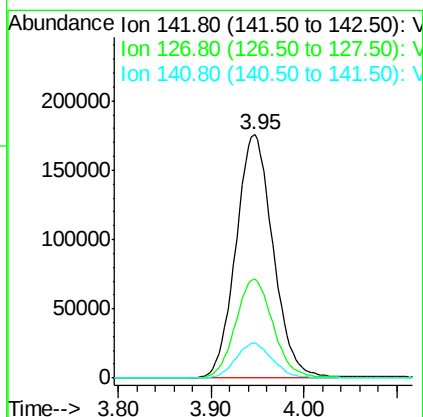
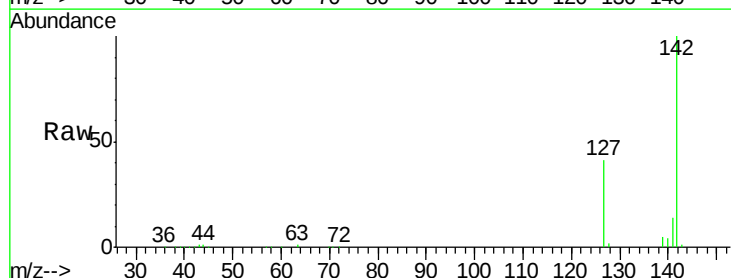
RT: 3.95 min Scan# 733

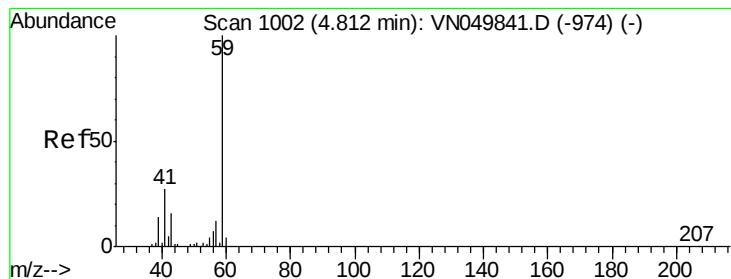
Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	142	Resp:	489462
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.5	48.7
141	14.2	11.1	16.7





#11

Tert butyl alcohol

Concen: 246.24 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 59 Resp: 193911

Ion Ratio Lower Upper

59 100

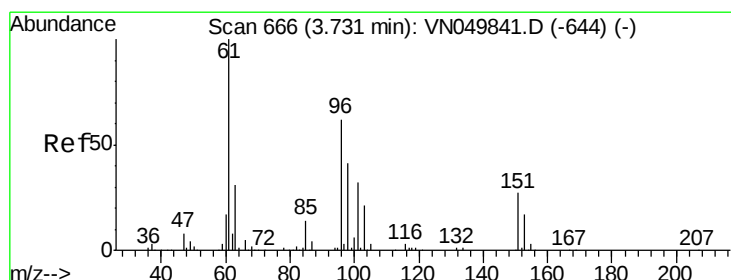
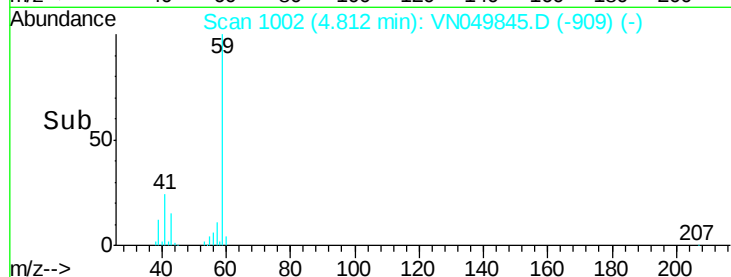
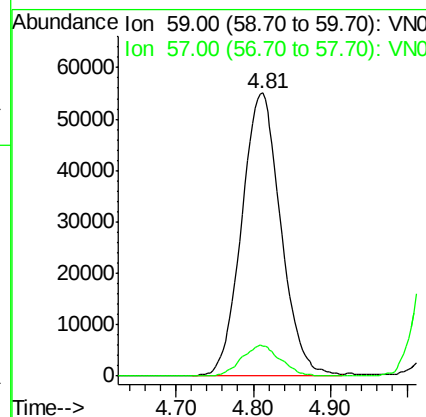
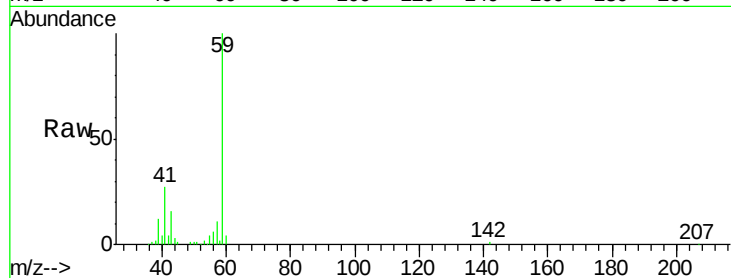
57 10.8 8.5 12.7

Manual Integrations

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MMDadoda

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#12

1,1-Dichloroethene

Concen: 44.49 ug/l

RT: 3.73 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

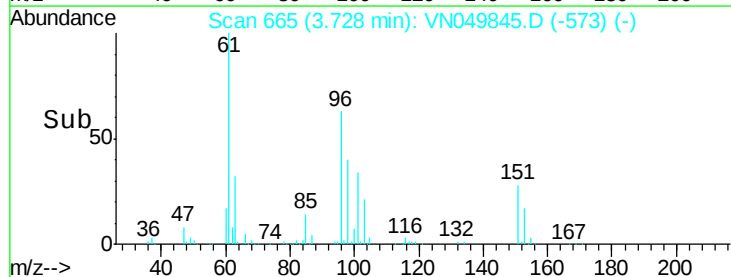
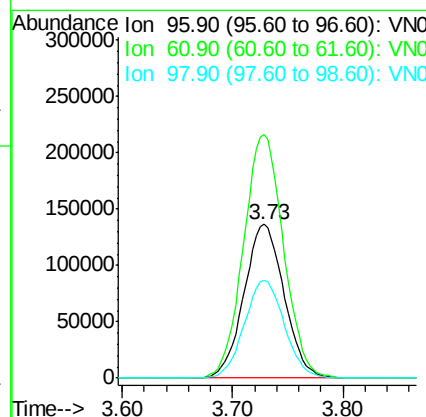
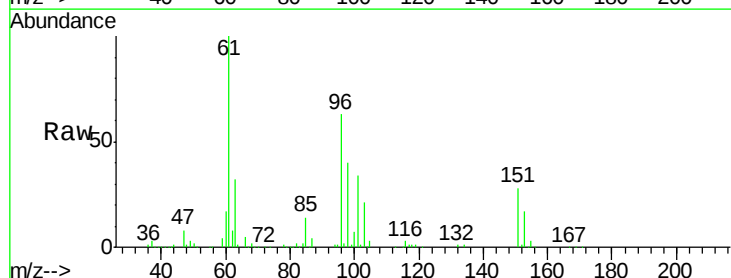
Tgt Ion: 96 Resp: 343596

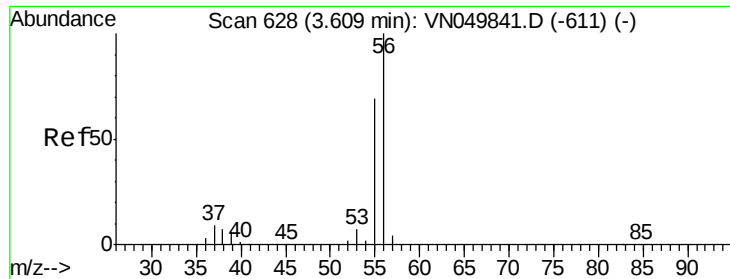
Ion Ratio Lower Upper

96 100

61 158.2 126.5 189.7

98 63.9 51.0 76.6





#13

Acrolein

Concen: 190.12 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 56 Resp: 121399

Ion Ratio Lower Upper

56 100

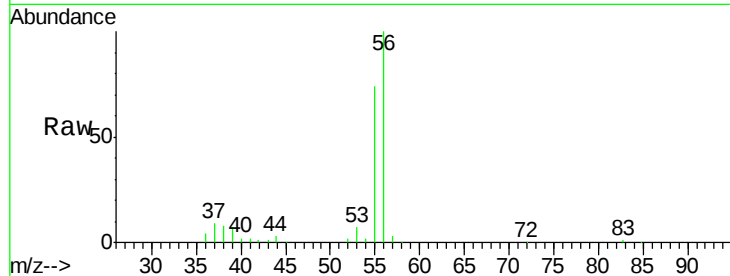
55 70.8 55.8 83.8

Manual Integrations

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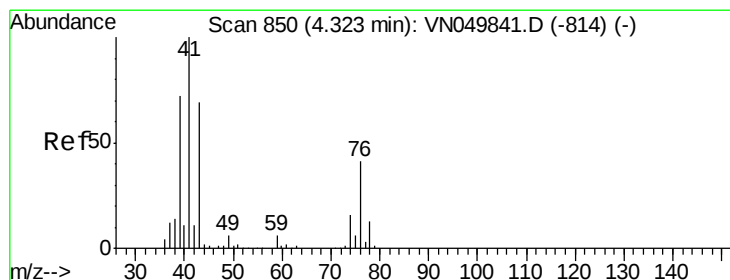
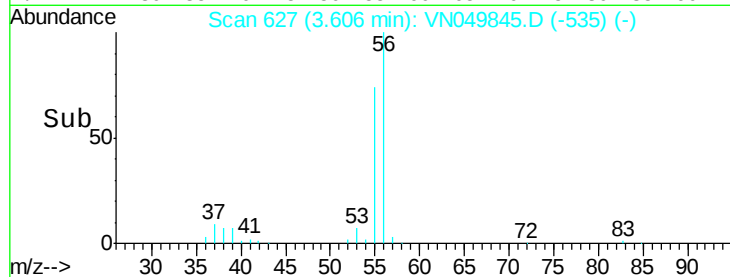
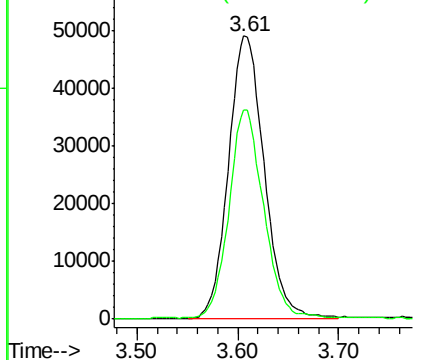
MMDadoda

7/18/2018 11:59:13 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.70 ug/l

RT: 4.32 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

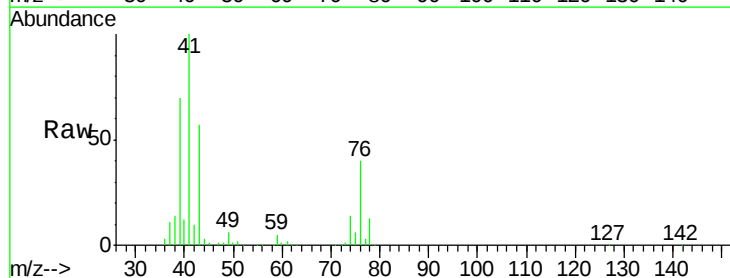
Tgt Ion: 41 Resp: 572673

Ion Ratio Lower Upper

41 100

39 67.2 53.2 79.8

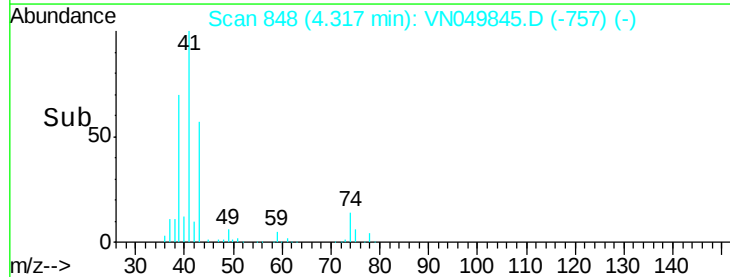
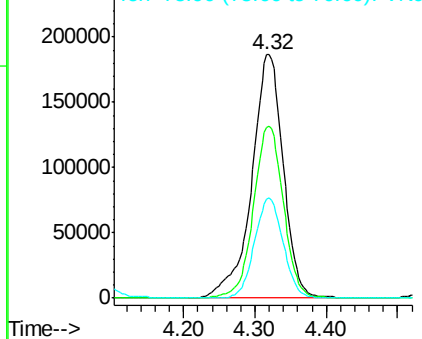
76 36.9 29.0 43.6

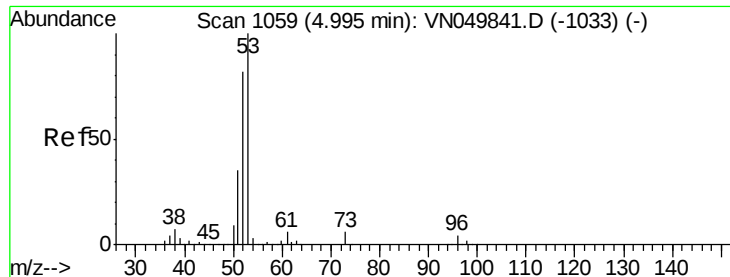


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 239.72 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

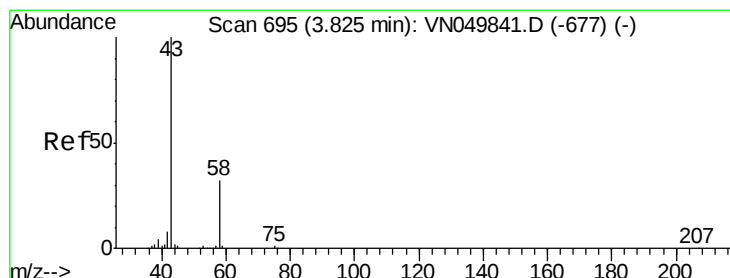
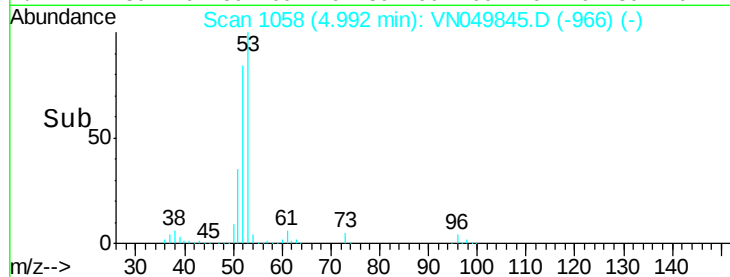
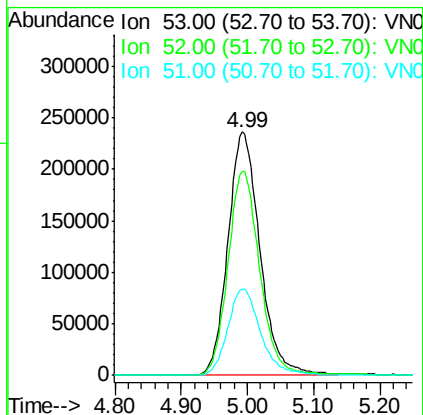
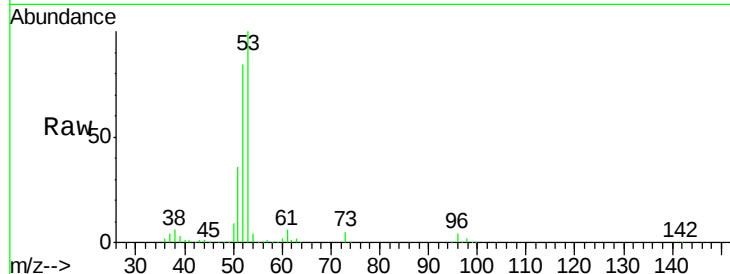
ClientSampleId :

ICVVN071718

Tot Ion:	53	Resp:	794164
Ion	Ratio	Lower	Upper
53	100		
52	83.0	64.8	97.2
51	36.4	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 299.36 ug/l

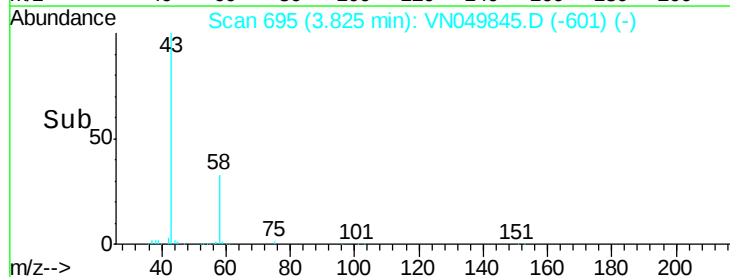
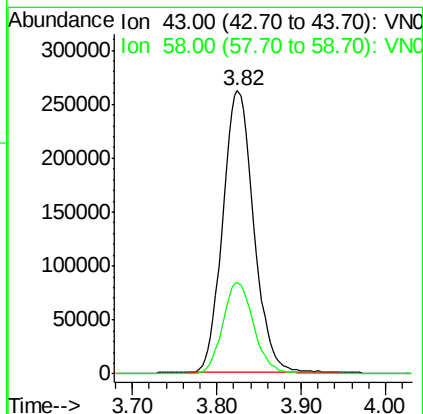
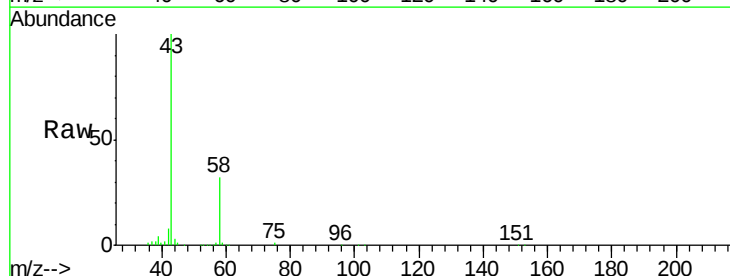
RT: 3.82 min Scan# 695

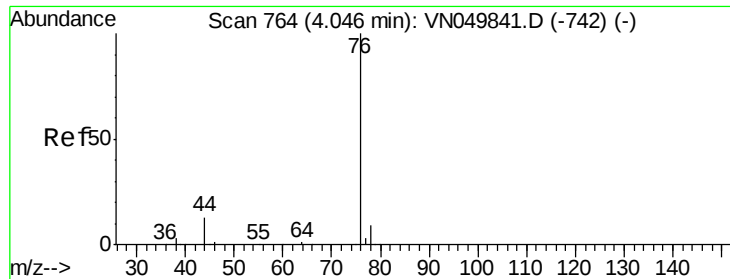
Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	43	Resp:	666047
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.9	38.9





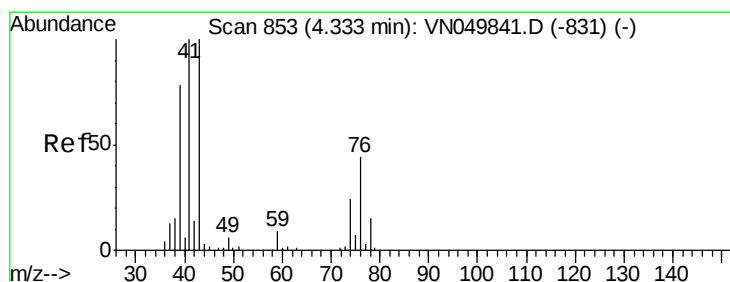
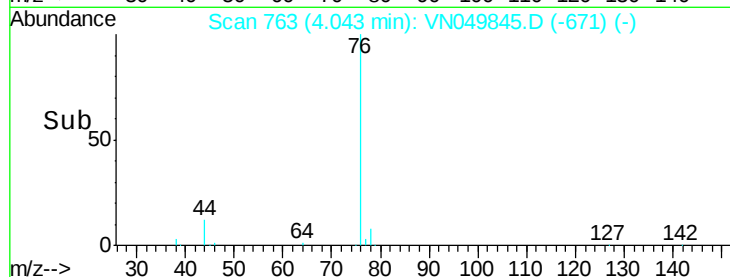
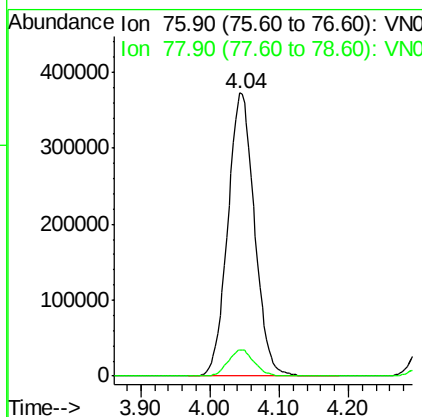
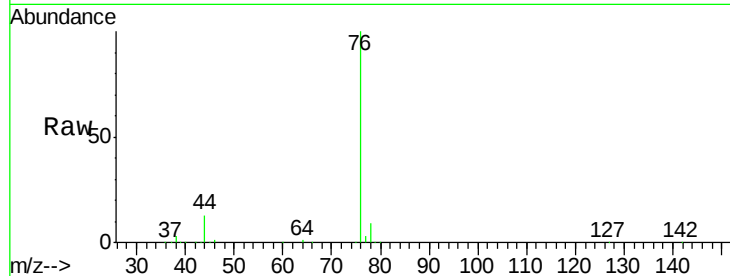
#17
Carbon Disulfide
Concen: 50.61 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampled :
ICVVN071718

Tot Ion: 76 Resp: 1004931
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

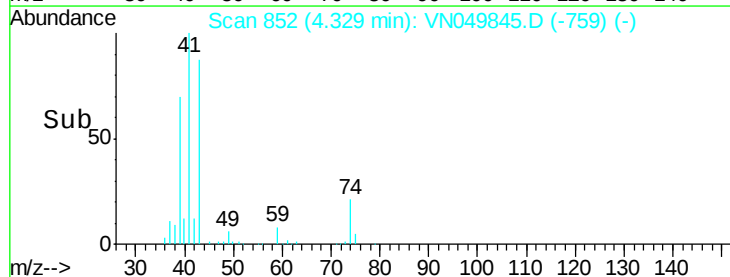
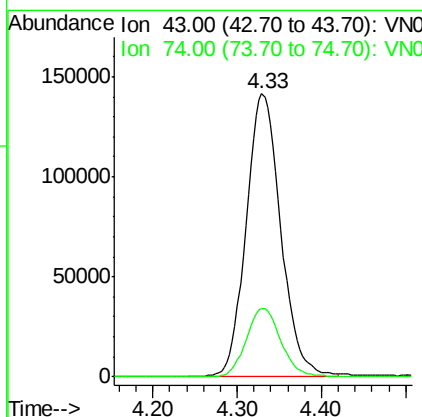
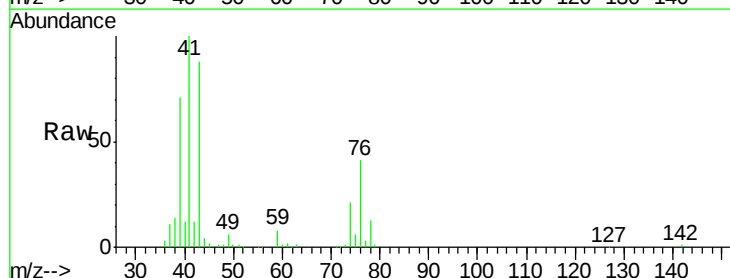
Manual Integrations
APPROVED

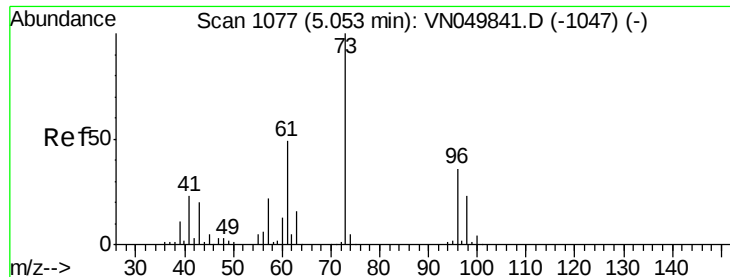
MMDadoda
7/18/2018 11:59:13 AM



#18
Methyl Acetate
Concen: 50.47 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion: 43 Resp: 400508
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8





#19

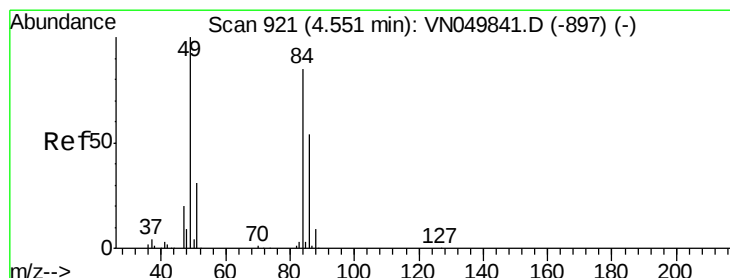
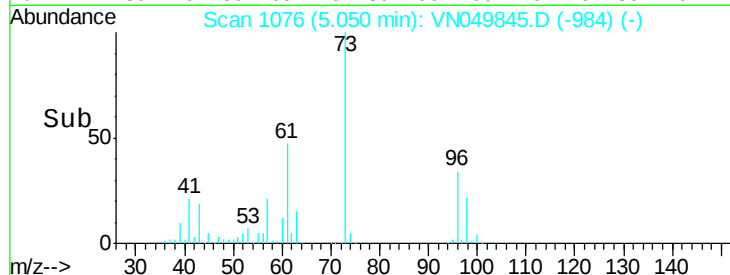
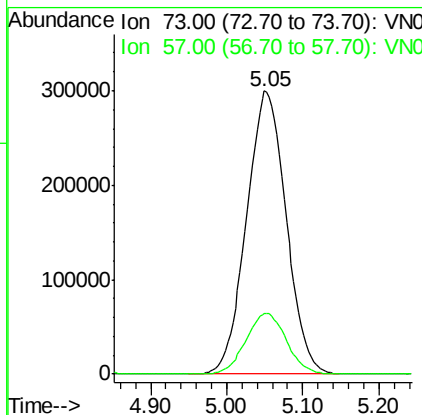
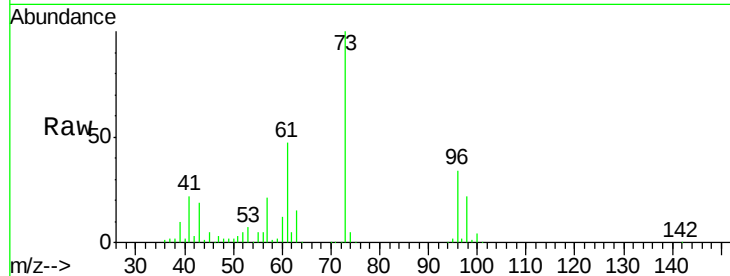
Methyl tert-butyl Ether
 Concen: 50.33 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Tot Ion: 73 Resp: 1085624
 Ion Ratio Lower Upper
 73 100
 57 21.2 18.1 27.1

Manual Integrations
 APPROVED

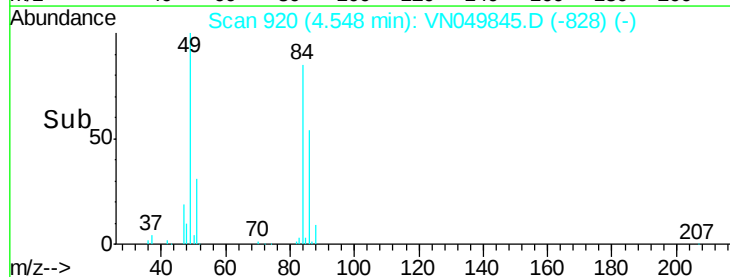
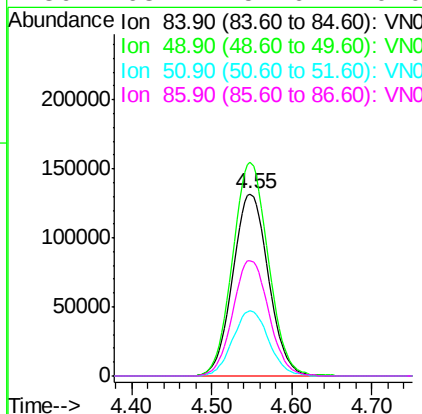
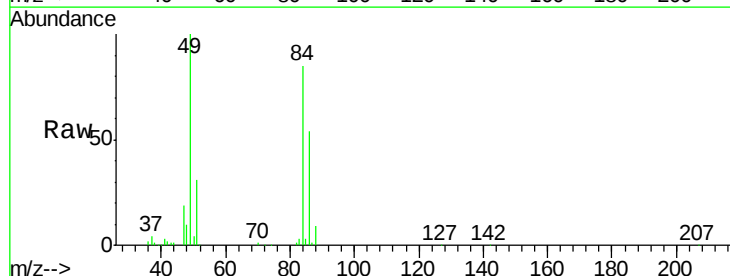
MMDadoda
 7/18/2018 11:59:13 AM

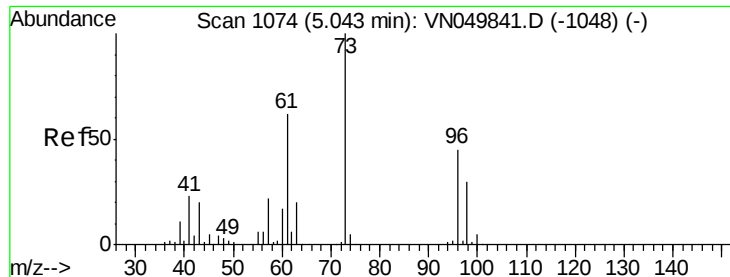


#20

Methylene Chloride
 Concen: 50.97 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Tgt Ion: 84 Resp: 399029
 Ion Ratio Lower Upper
 84 100
 49 117.4 95.4 143.2
 51 35.9 28.4 42.6
 86 63.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.24 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 96 Resp: 377480

Ion Ratio Lower Upper

96 100

61 137.0 109.0 163.6

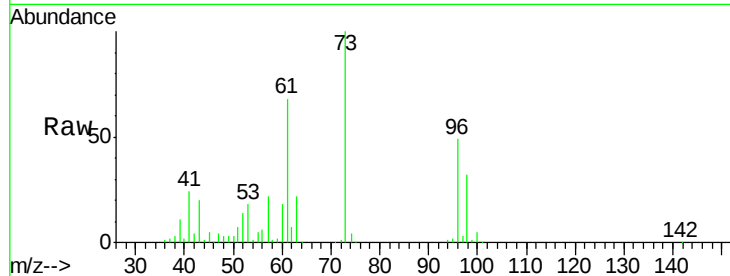
98 63.9 51.1 76.7

Manual Integrations

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MMDadoda

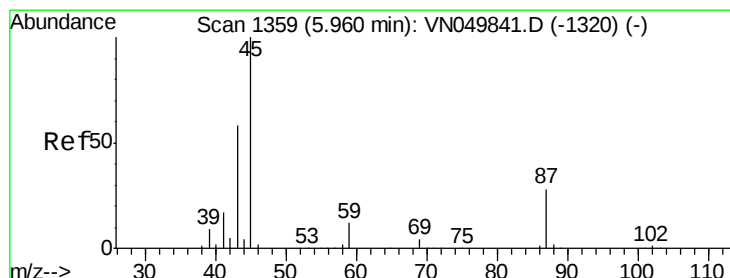
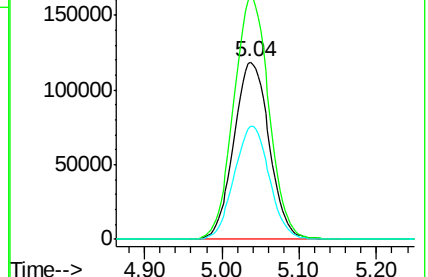
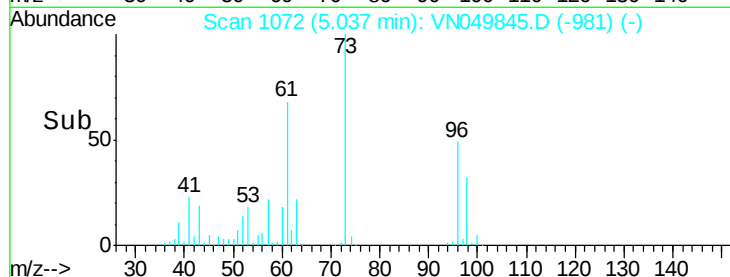
7/18/2018 11:59:13 AM



Abundance Ion 95.90 (95.60 to 96.60): VN049845.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN049845.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN049845.D (-981) (-)



#22

Diisopropyl ether

Concen: 49.68 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion: 45 Resp: 1217904

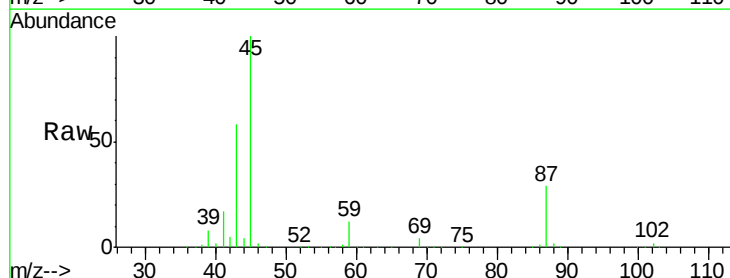
Ion Ratio Lower Upper

45 100

43 57.4 48.1 72.1

87 28.5 22.6 34.0

59 11.6 9.2 13.8

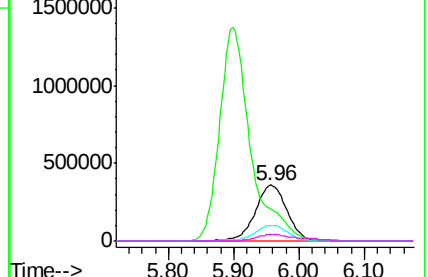
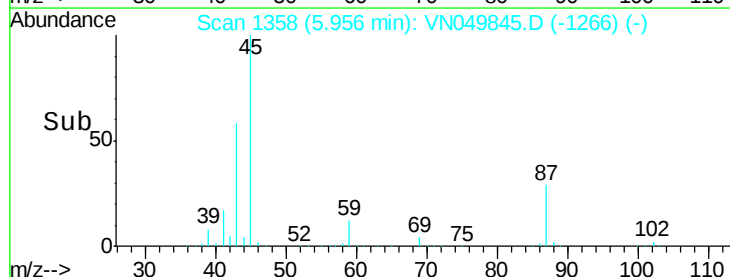


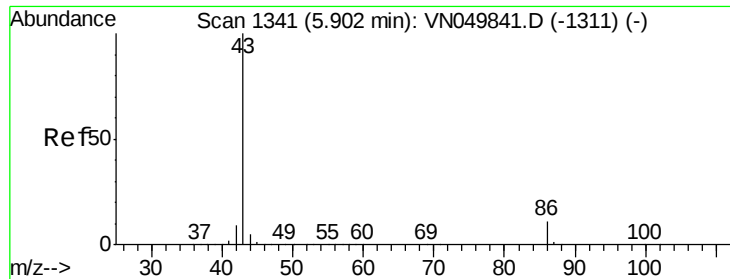
Abundance Ion 45.00 (44.70 to 45.70): VN049845.D (-1266) (-)

Ion 43.00 (42.70 to 43.70): VN049845.D (-1266) (-)

Ion 87.00 (86.70 to 87.70): VN049845.D (-1266) (-)

Ion 59.00 (58.70 to 59.70): VN049845.D (-1266) (-)





#23

Vinyl Acetate

Concen: 252.83 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 43 Resp: 4558331

Ion Ratio Lower Upper

43 100

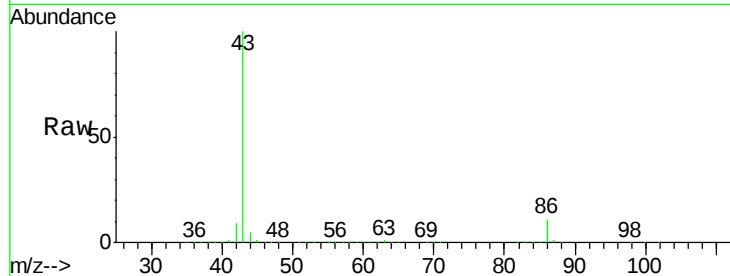
86 10.7 8.4 12.6

Manual Integrations

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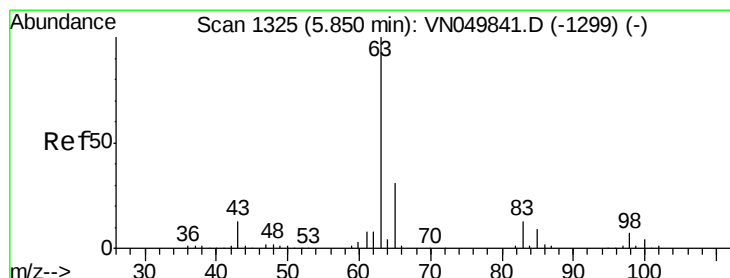
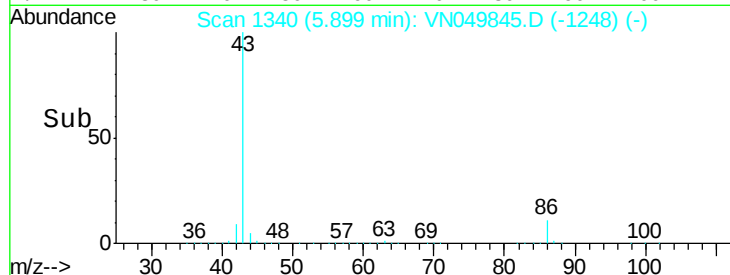
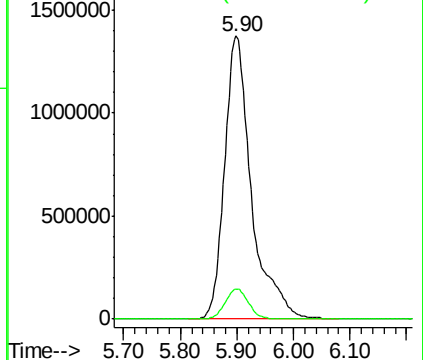
MMDadoda

7/18/2018 11:59:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 44.52 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

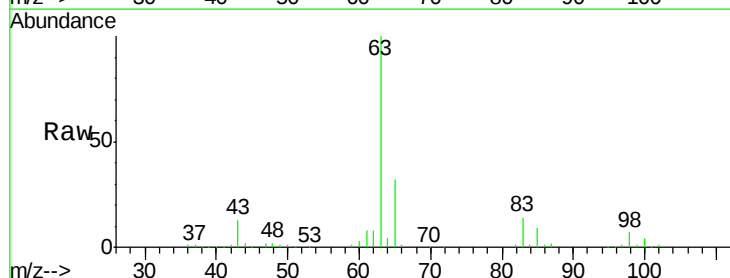
Tgt Ion: 63 Resp: 699389

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

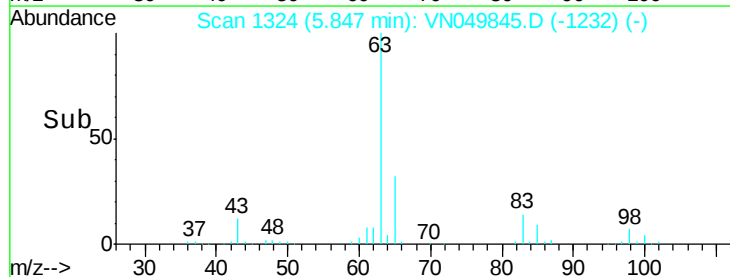
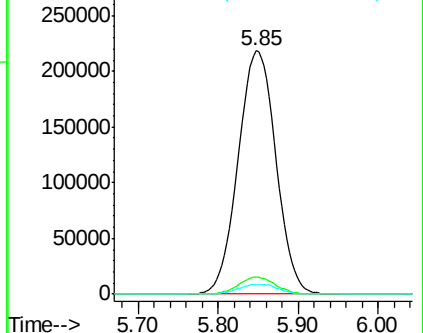
100 4.0 2.2 6.6

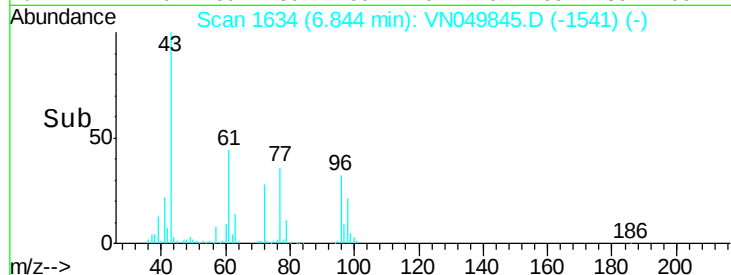
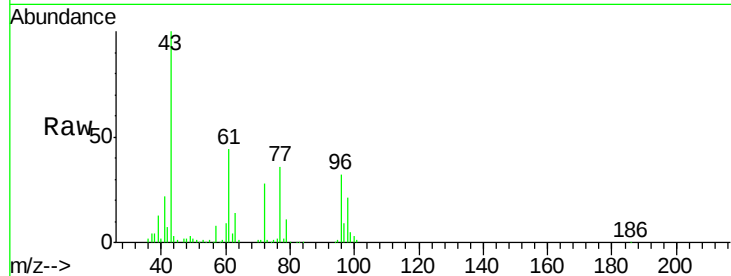
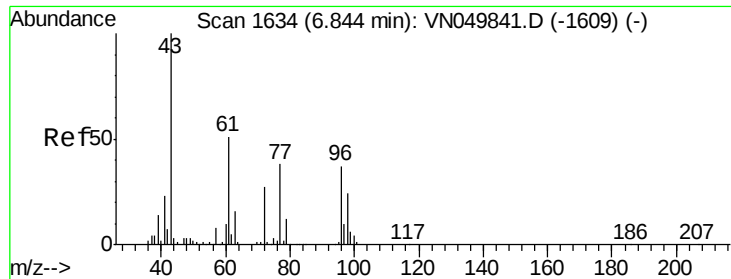


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





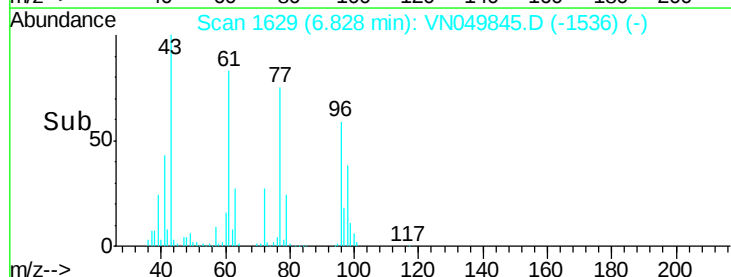
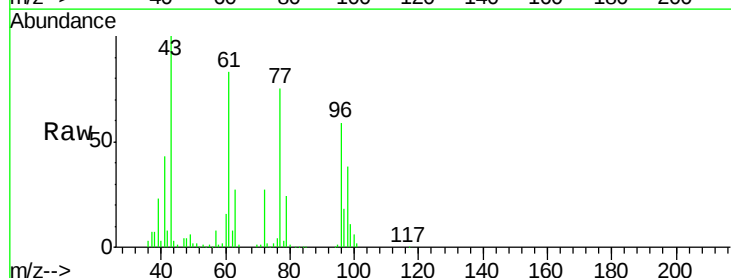
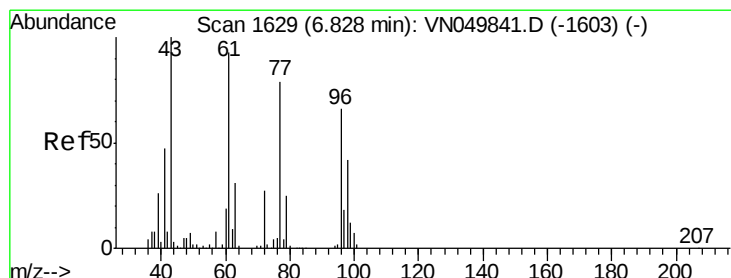
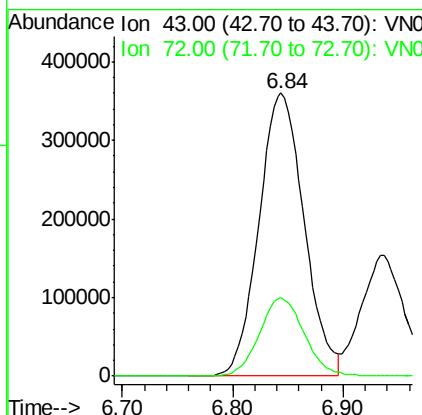
#25
2-Butanone
Concen: 249.43 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tot Ion: 43 Resp: 1018233
Ion Ratio Lower Upper
43 100
72 27.7 22.1 33.1

Instrument :
MSVOA_N
ClientSampled :
ICVVN071718

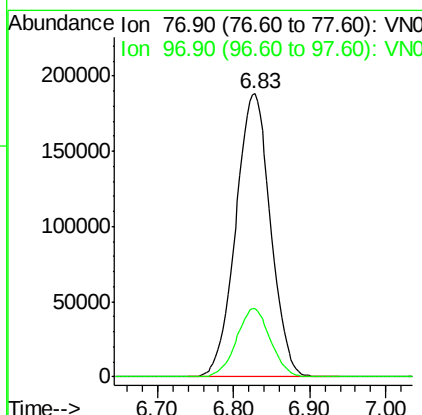
Manual Integrations
APPROVED

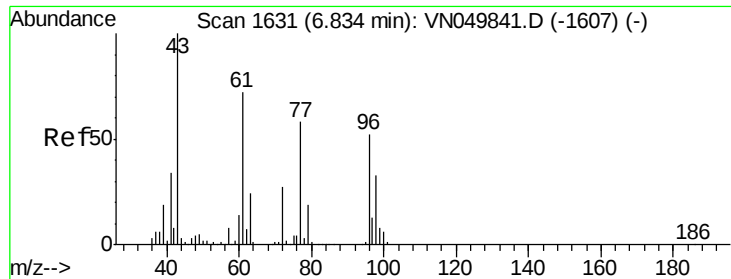
MMDadoda
7/18/2018 11:59:13 AM



#26
2,2-Dichloropropane
Concen: 49.89 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion: 77 Resp: 596684
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.76 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

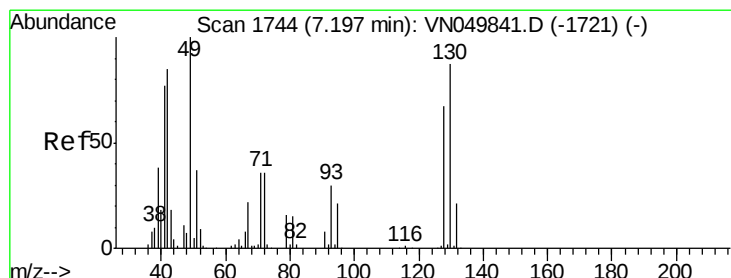
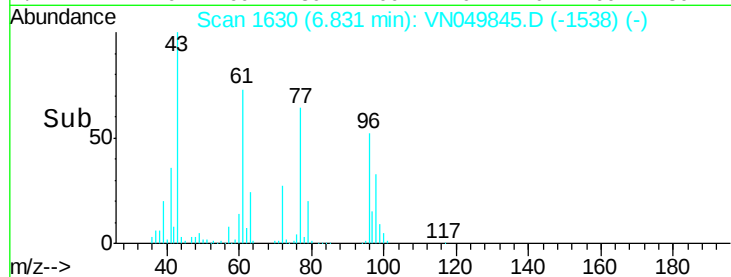
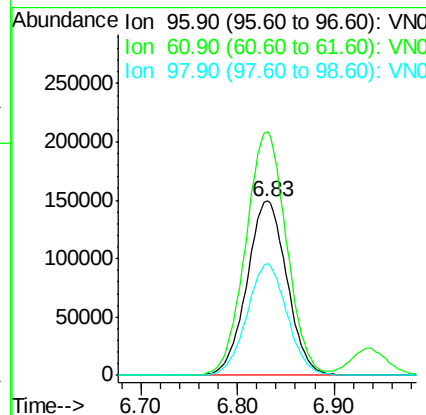
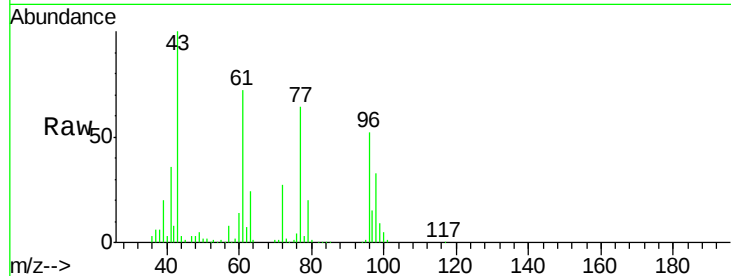
ClientSampleId :

ICVVN071718

Tot Ion:	96	Resp:	427985
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	289.0
98	64.4	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 48.37 ug/l

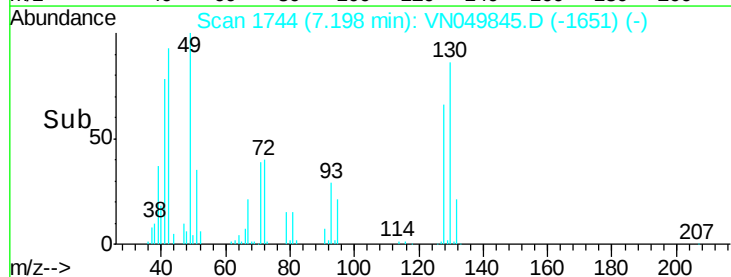
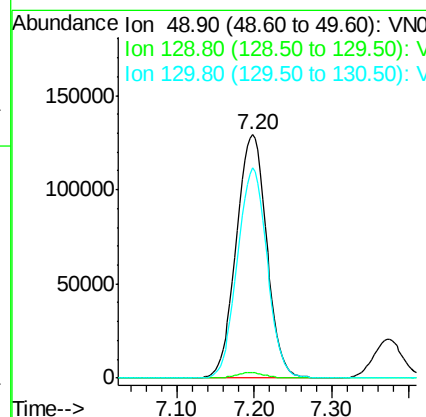
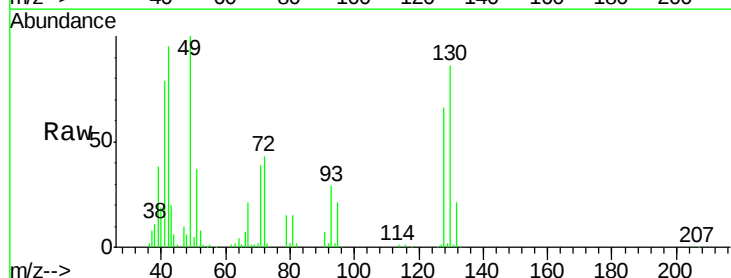
RT: 7.20 min Scan# 1744

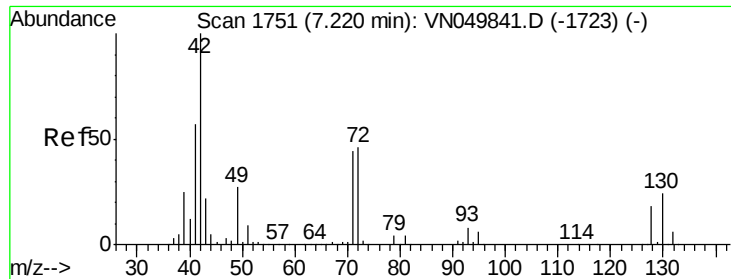
Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	49	Resp:	352750
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.5	65.5	98.3





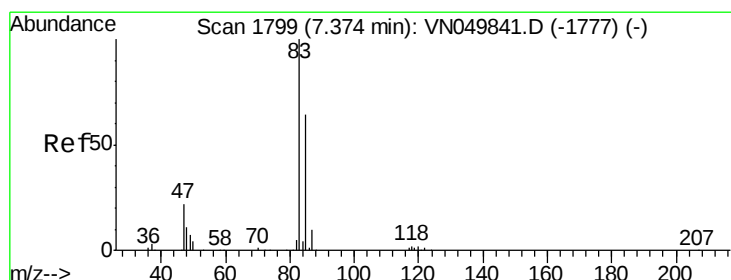
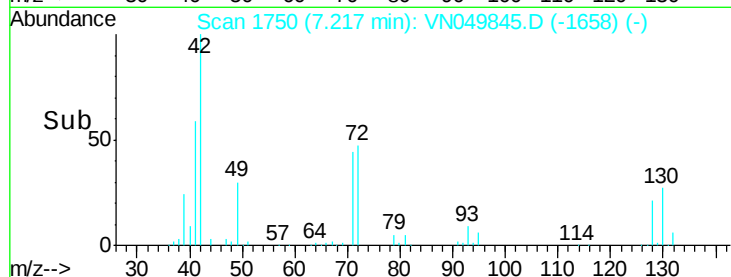
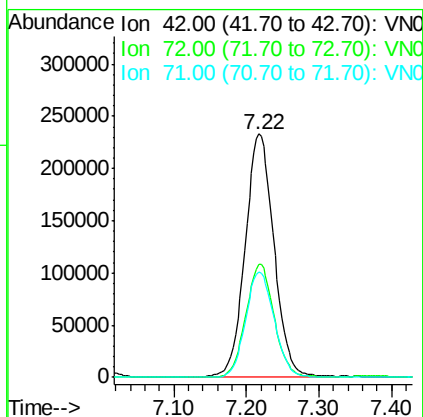
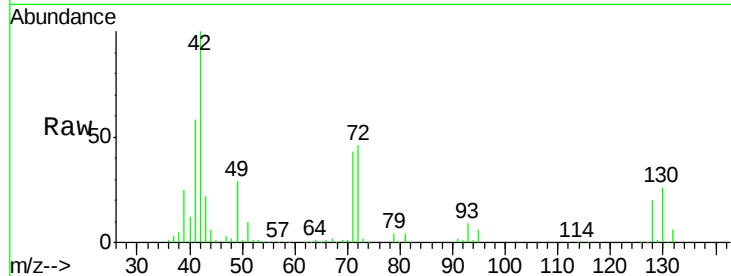
#29
Tetrahydrofuran
Concen: 248.31 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampled :
ICVVN071718

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.6	53.4
71	43.2	34.0	51.0

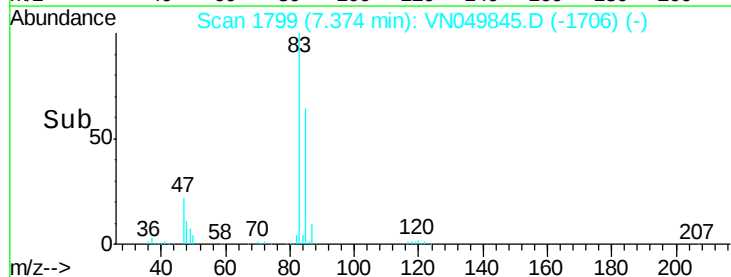
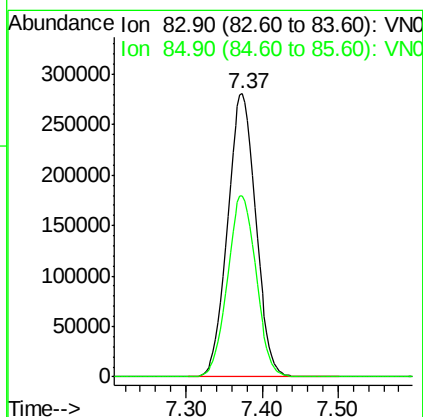
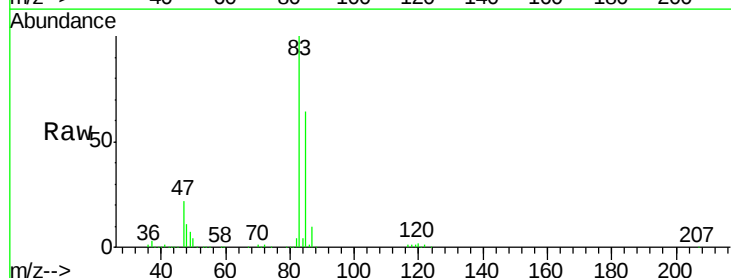
Manual Integrations
APPROVED

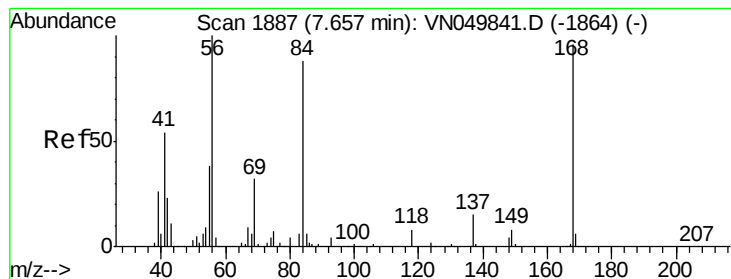
MMDadoda
7/18/2018 11:59:13 AM



#30
Chloroform
Concen: 44.76 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2





#31

Cyclohexane

Concen: 52.51 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

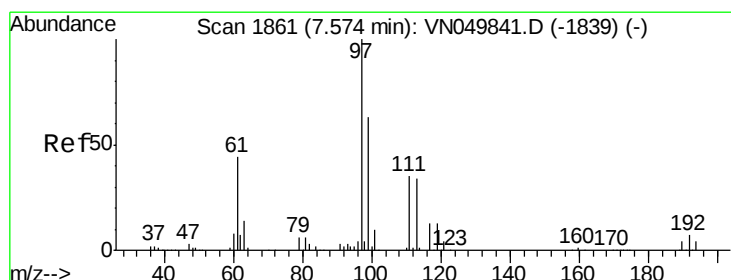
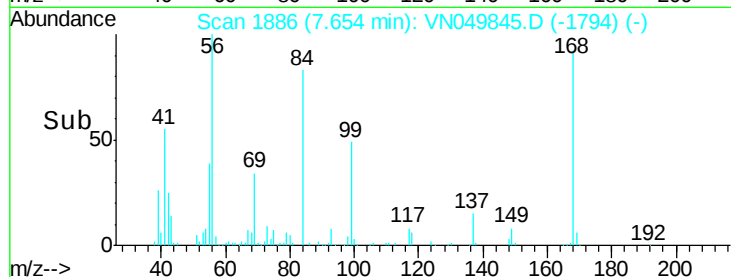
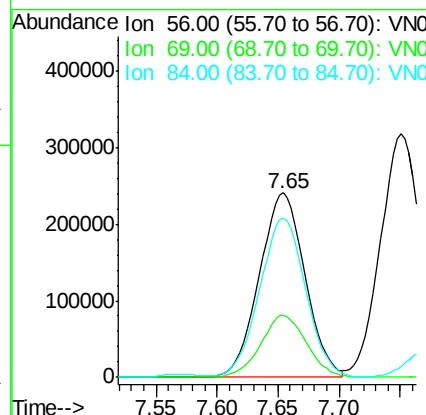
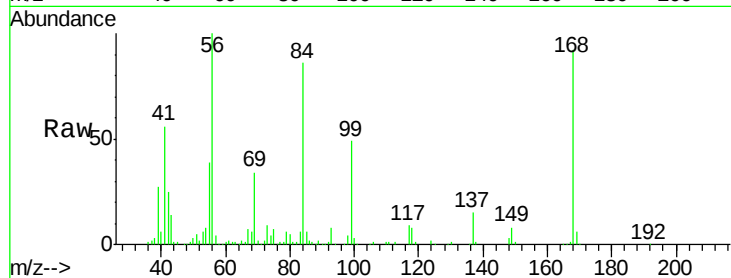
ClientSampled :

ICVVN071718

Tot Ion:	56	Resp:	626441
Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.6	40.0
84	84.9	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 45.52 ug/l

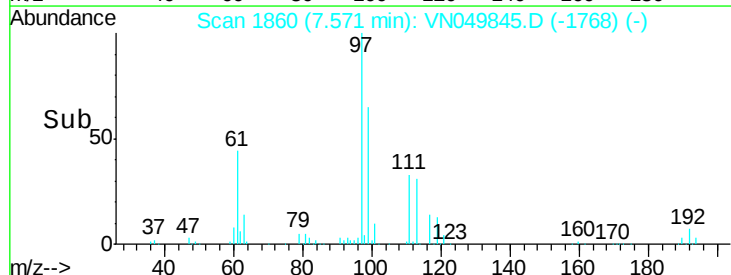
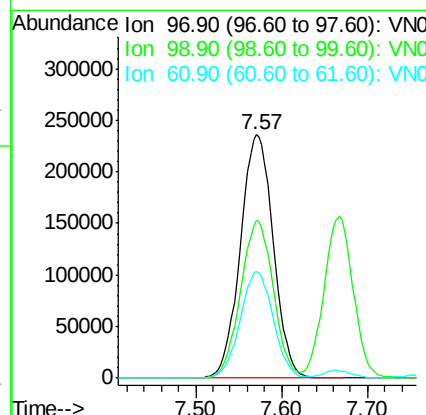
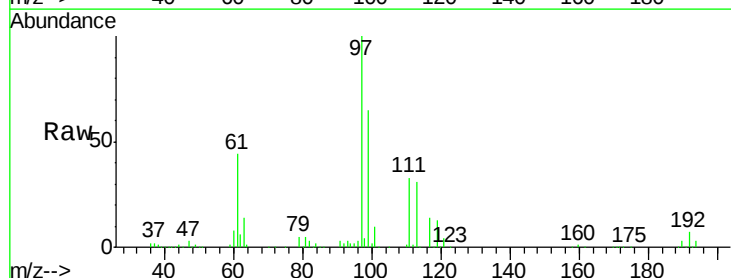
RT: 7.57 min Scan# 1860

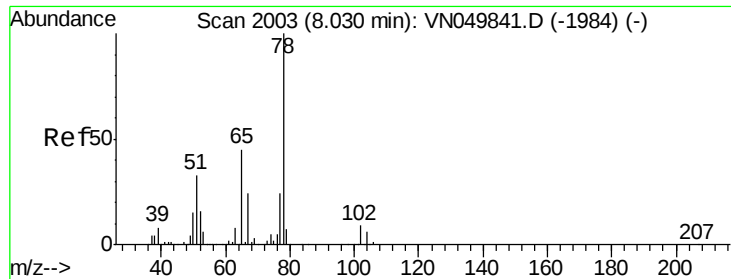
Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	97	Resp:	627039
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	44.0	35.5	53.3





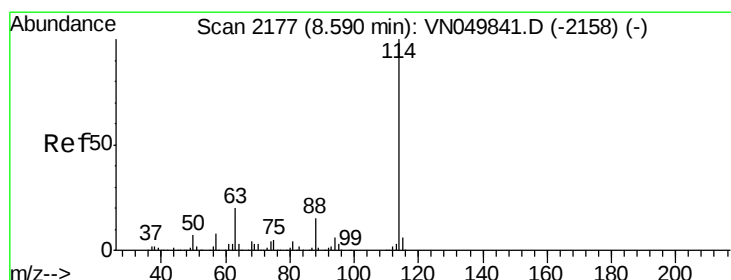
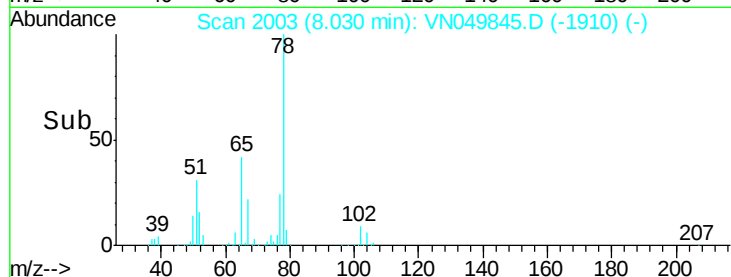
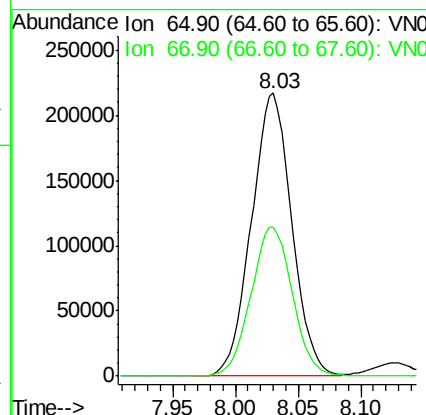
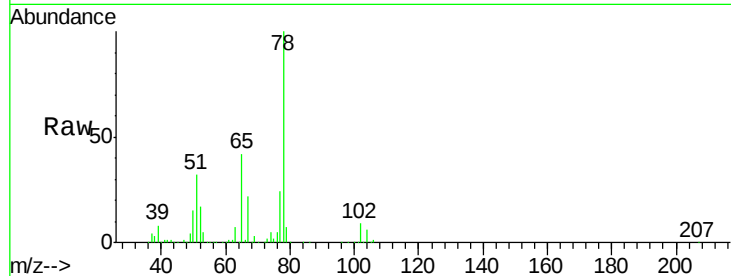
#33
 1,2-Dichloroethane-d4
 Concen: 49.02 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Tot Ion	Ratio	Resp	Lower	Upper
65	100	486127		
67	54.2	0.0	107.2	

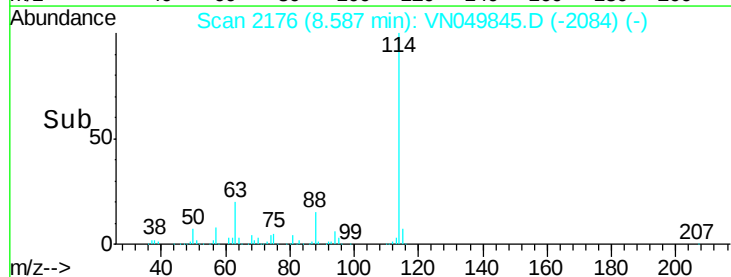
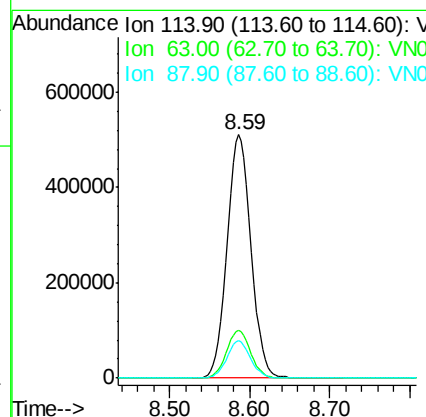
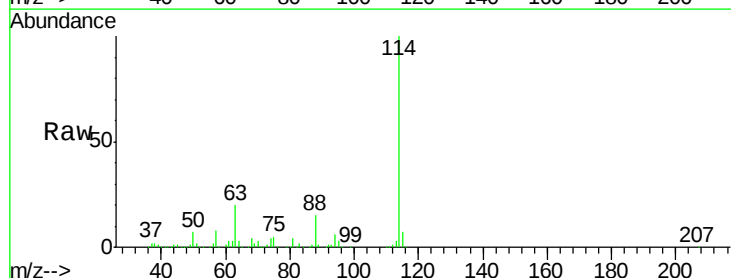
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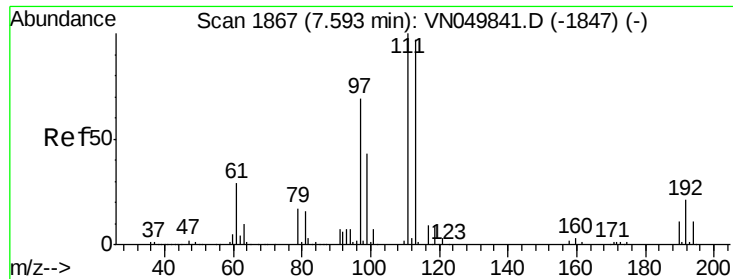
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1052716		
63	19.6	0.0	39.8	
88	15.5	0.0	30.6	





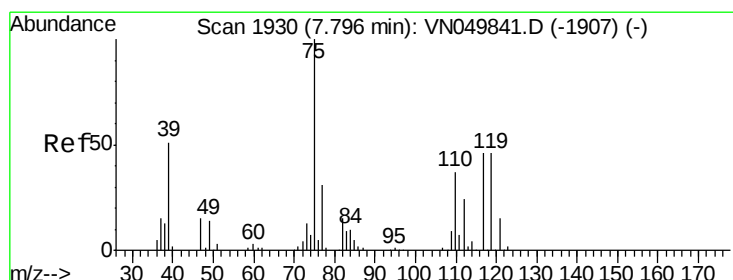
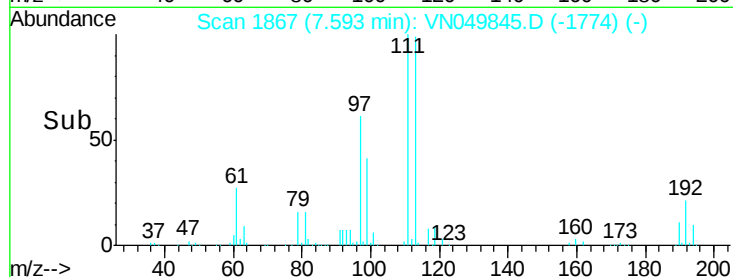
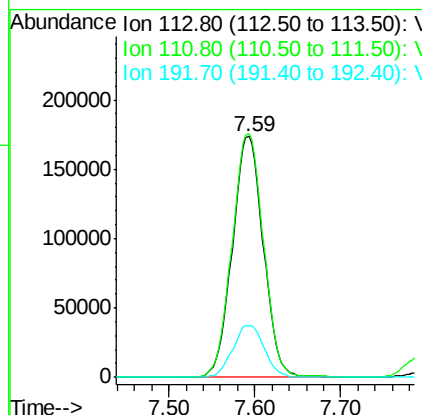
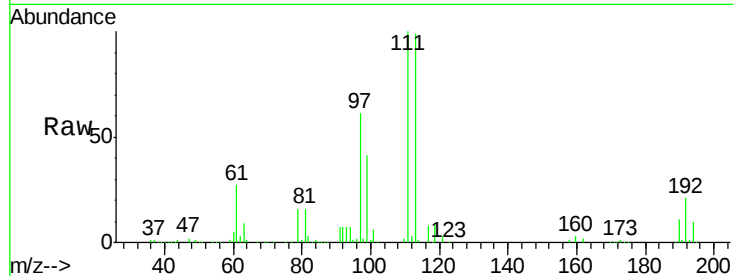
#35
 Dibromofluoromethane
 Concen: 51.94 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN071718

Tot Ion	Ratio	Resp	Lower	Upper
113	100	433719		
111	102.4	81.8	122.8	
192	22.0	17.8	26.6	

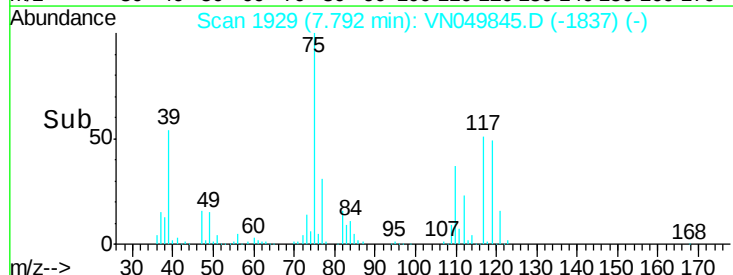
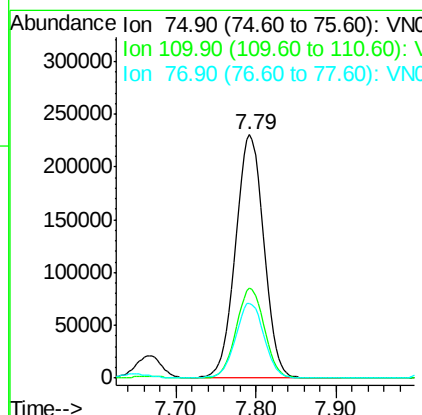
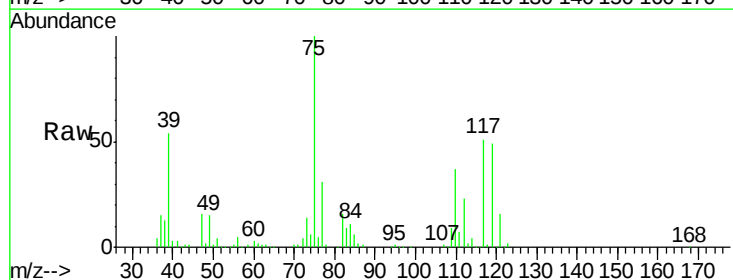
Manual Integrations
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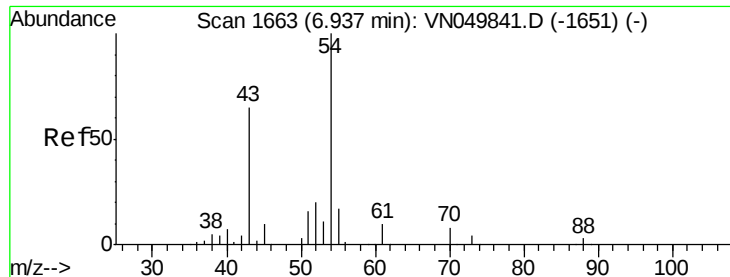
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#36
 1,1-Dichloropropene
 Concen: 49.37 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	549859		
110	36.5	18.1	54.4	
77	31.1	24.9	37.3	





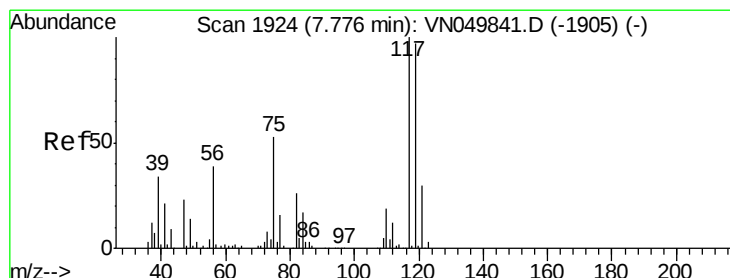
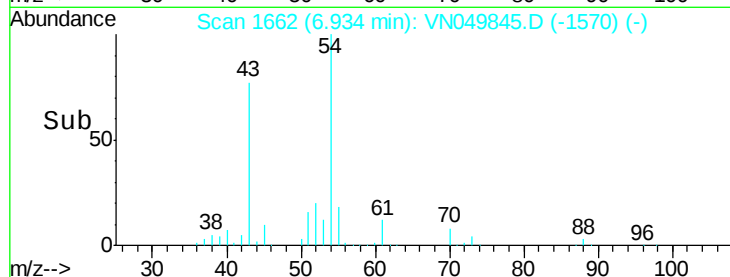
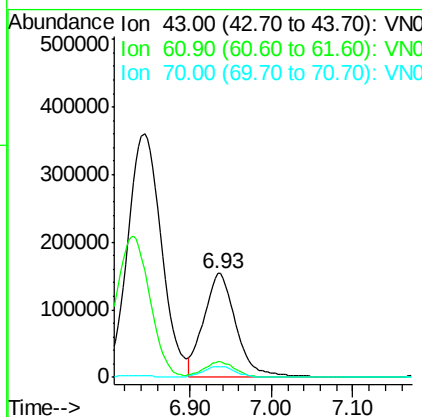
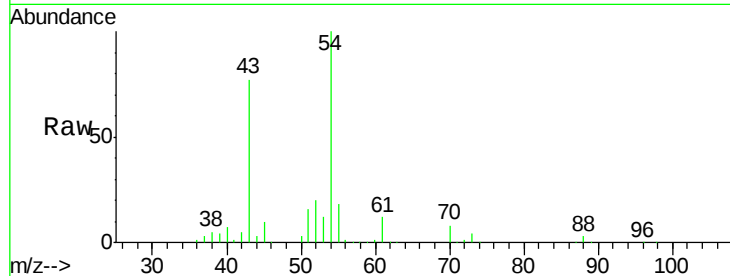
#37
Ethyl Acetate
Concen: 50.60 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	10.9	8.4	12.6

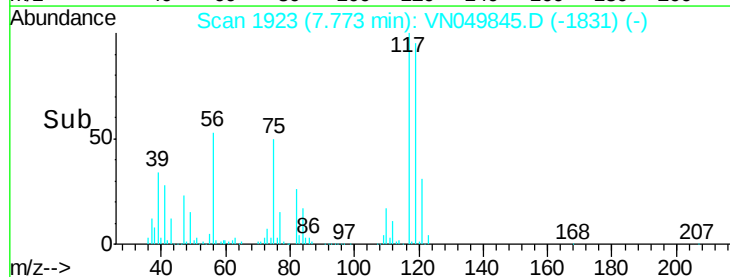
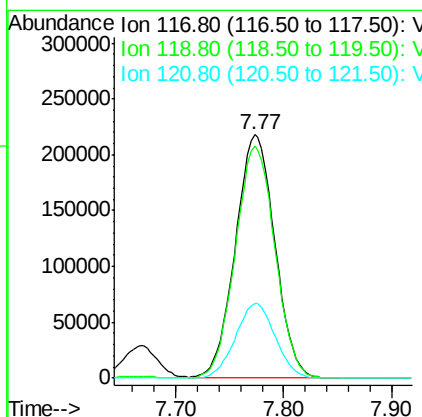
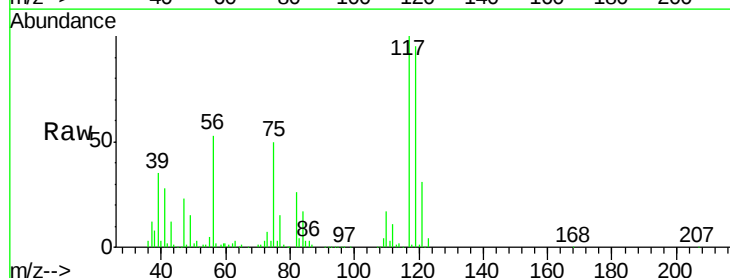
Manual Integrations
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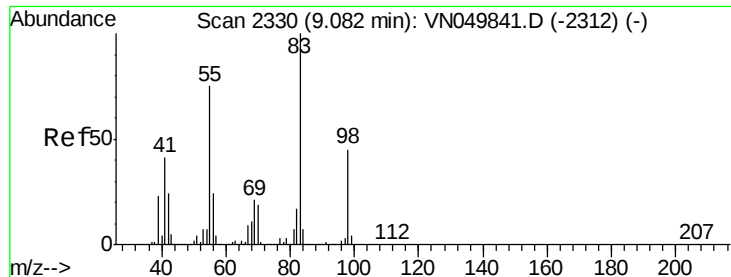
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.27 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.2	115.8
121	30.6	25.0	37.6





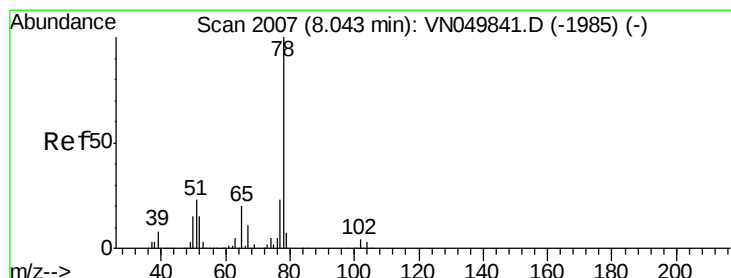
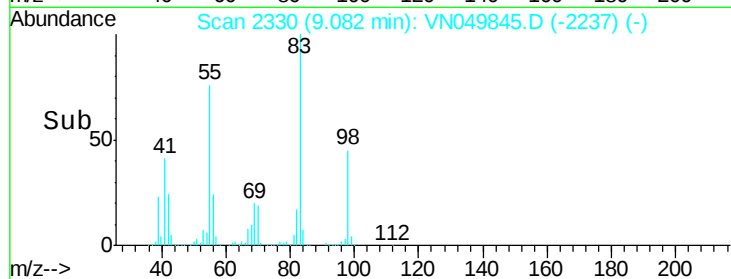
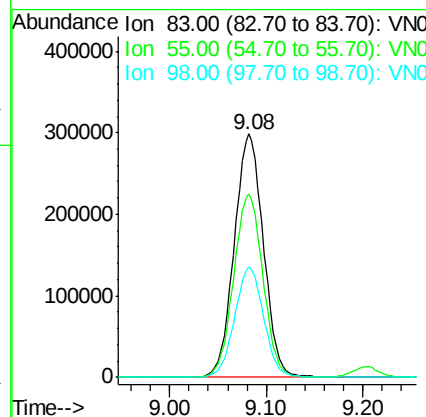
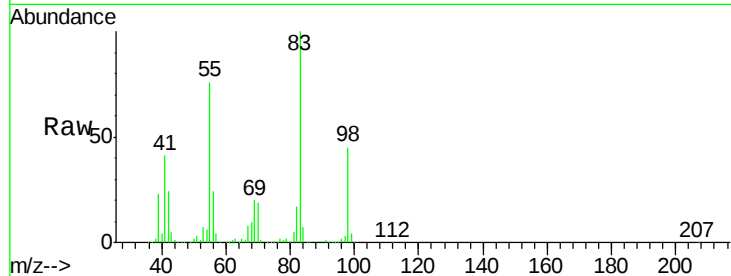
#39
Methvlcvclohexane
Concen: 54.37 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.7	89.5
98	45.4	36.5	54.7

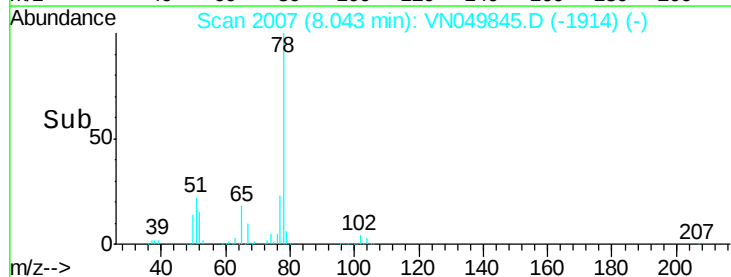
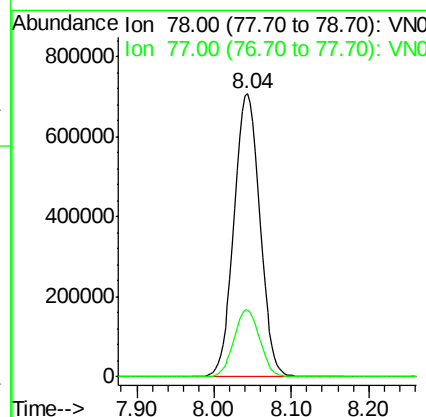
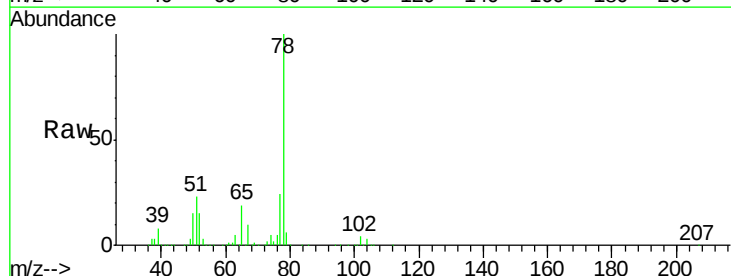
Manual Integrations
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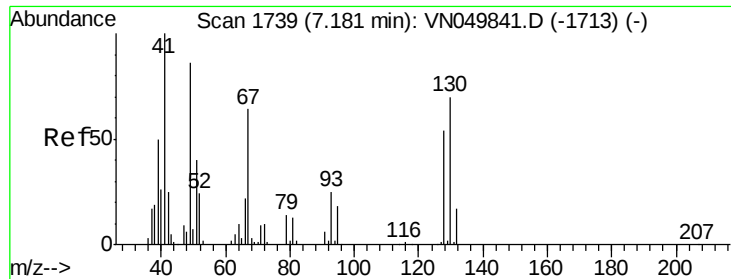
MMDadoda
7/18/2018 11:59:13 AM



#40
Benzene
Concen: 48.40 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





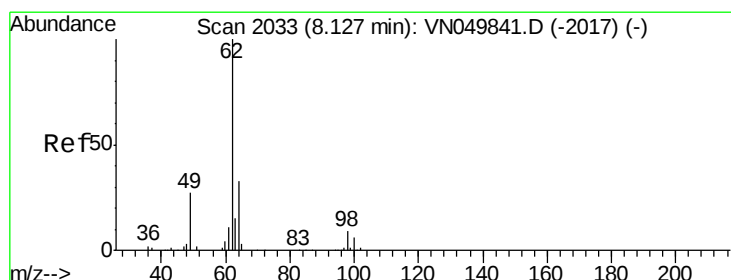
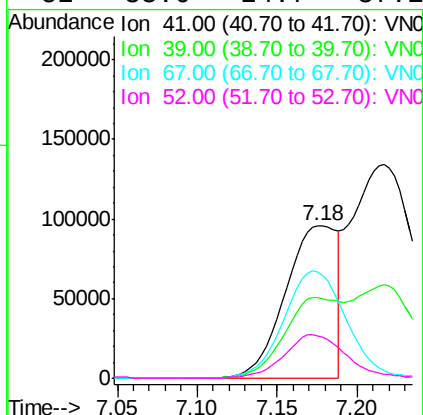
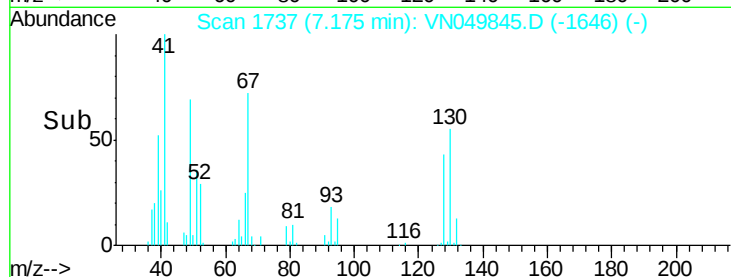
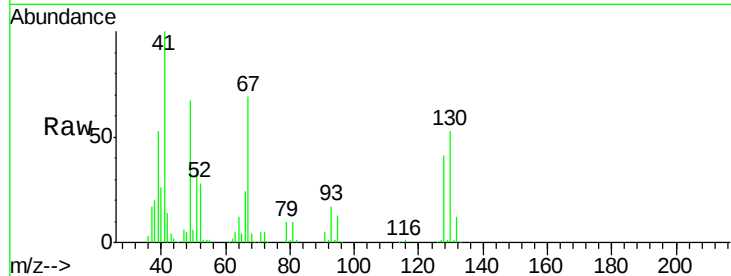
#41
Methacrylonitrile
Concen: 50.69 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		216211		
39	57.8	45.4	68.2		
67	85.3	65.4	98.0		
52	33.6	24.7	37.1		

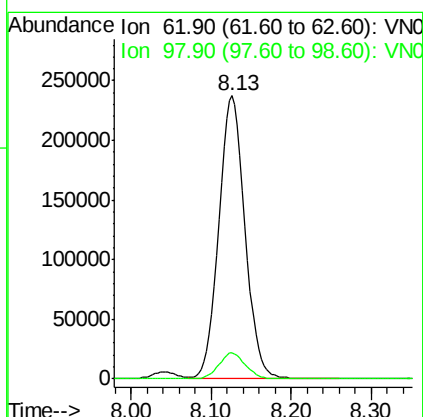
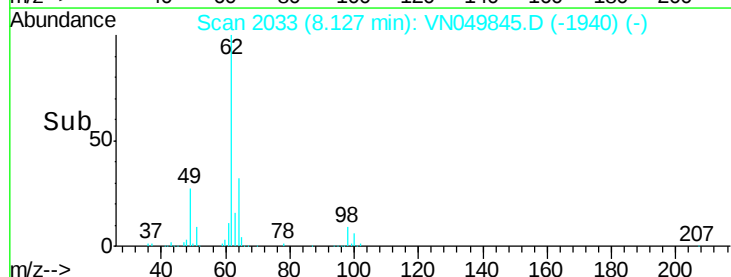
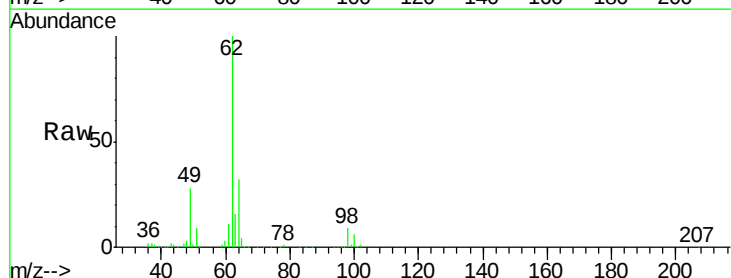
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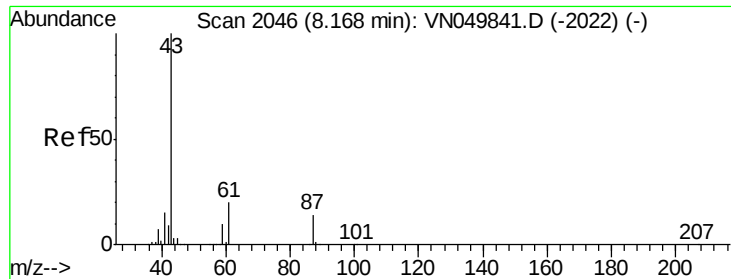
MMDadoda
7/18/2018 11:59:13 AM



#42
1,2-Dichloroethane
Concen: 46.55 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		534521		
98	9.3	0.0	19.0		





#43

Isopropyl Acetate

Concen: 52.22 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

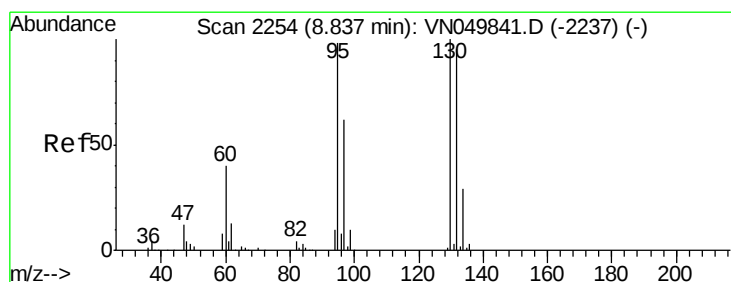
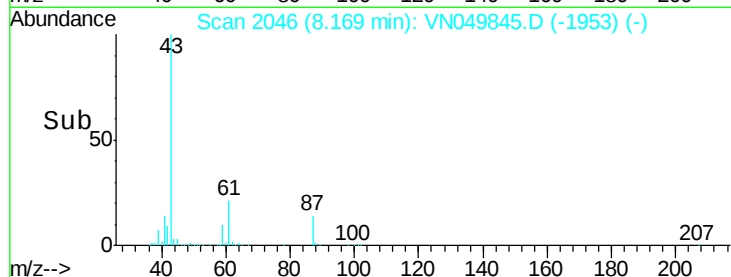
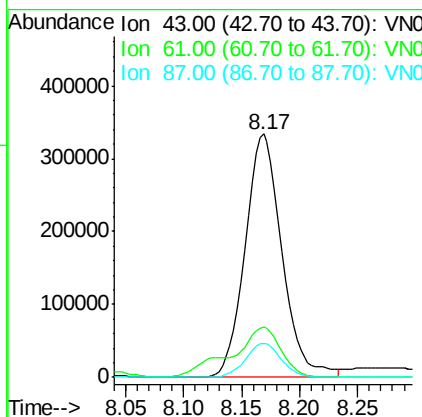
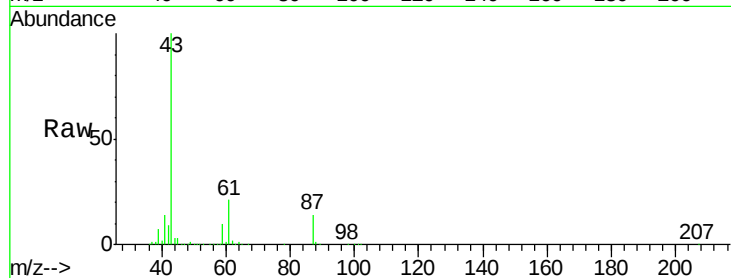
ClientSampleId :

ICVVN071718

Tot Ion:	43	Resp:	738086
Ion	Ratio	Lower	Upper
43	100		
61	27.6	14.9	22.3#
87	13.5	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 47.97 ug/l

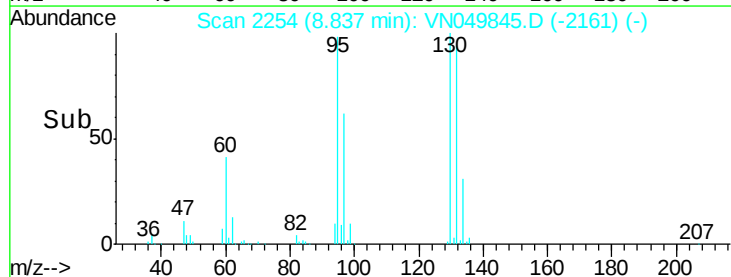
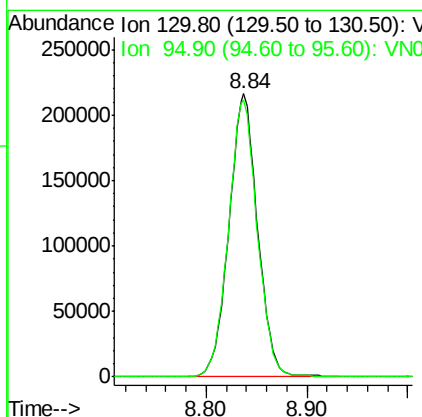
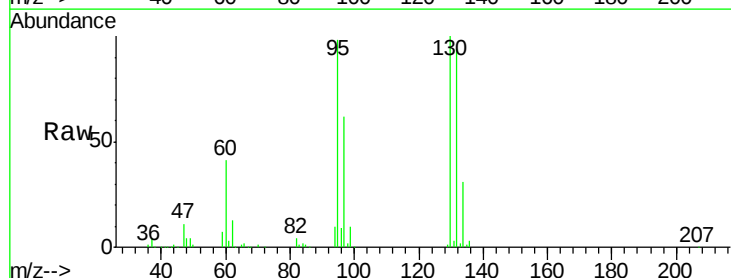
RT: 8.84 min Scan# 2254

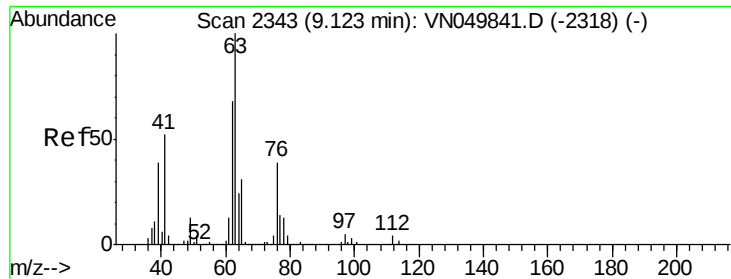
Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	130	Resp:	426123
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	192.8





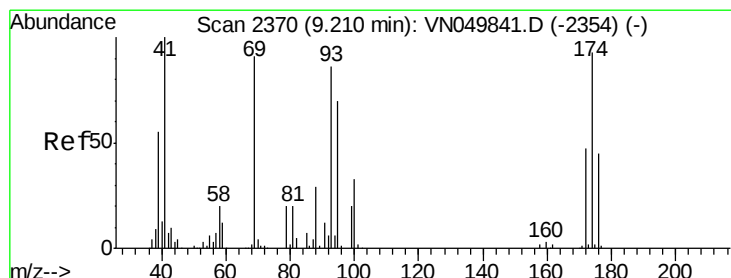
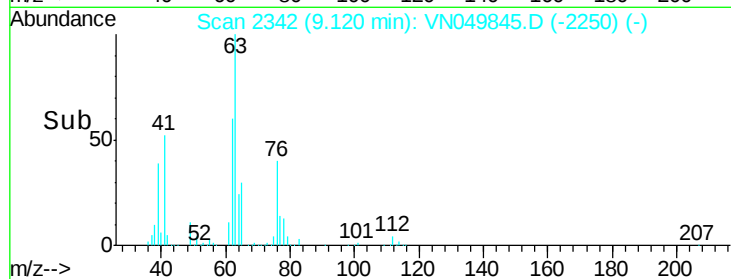
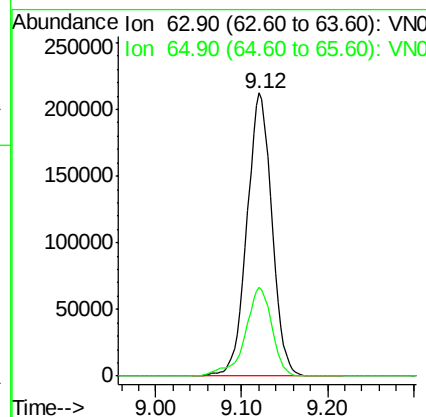
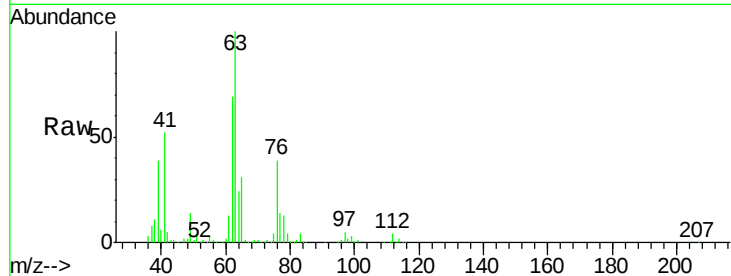
#45
 1,2-Dichloropropane
 Concen: 47.62 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.7	37.1

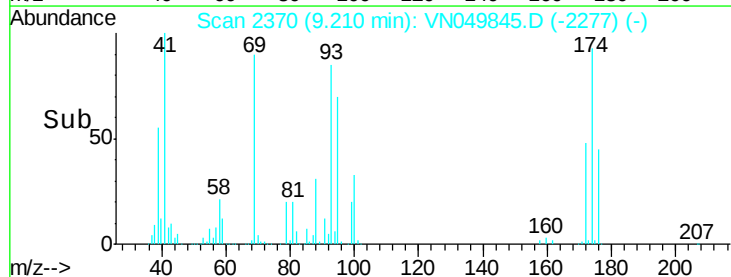
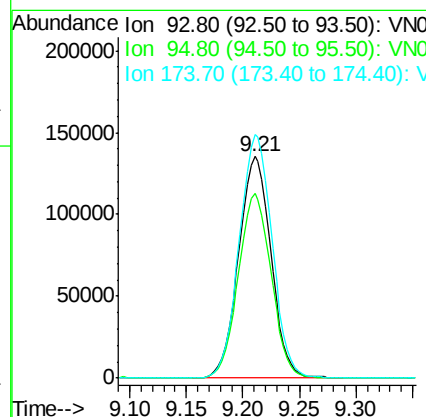
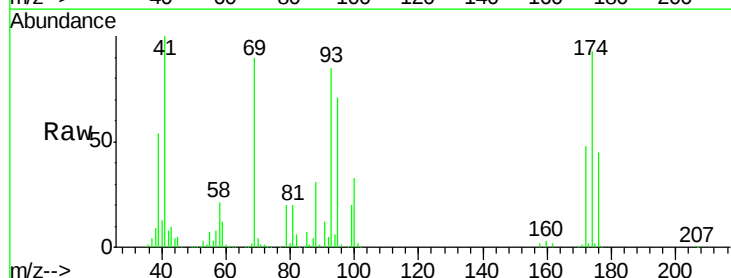
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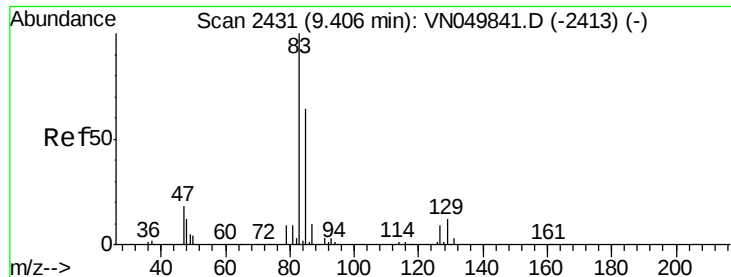
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#46
 Dibromomethane
 Concen: 47.27 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.9	101.9
174	111.1	89.4	134.0





#47

Bromodichloromethane

Concen: 48.20 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

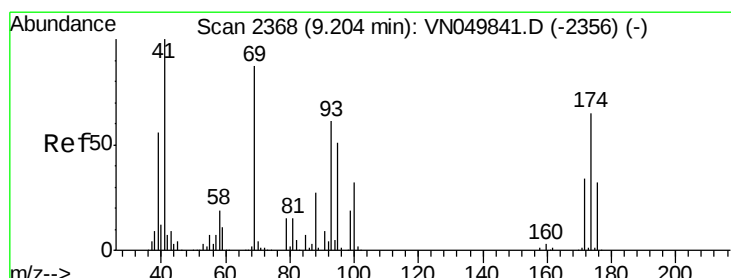
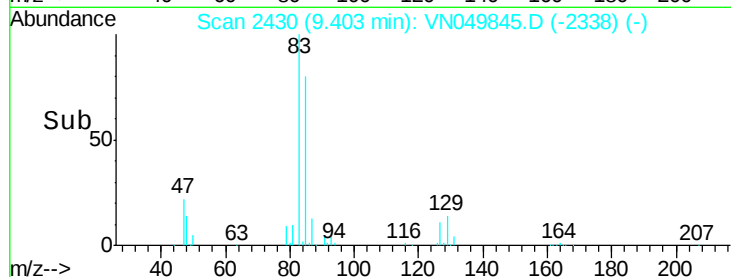
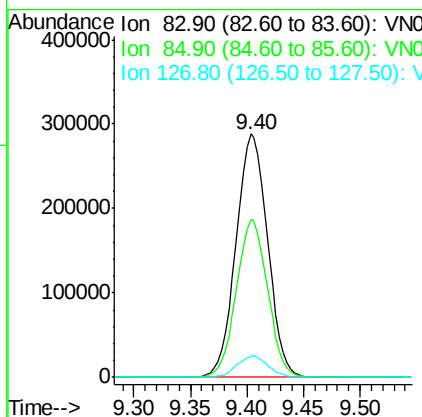
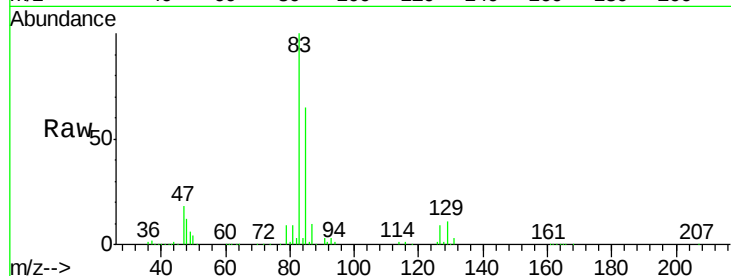
ClientSampleId :

ICVVN071718

Tot Ion:	83	Resp:	562170
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.8	6.8	10.2

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#48

Methyl methacrylate

Concen: 52.63 ug/l

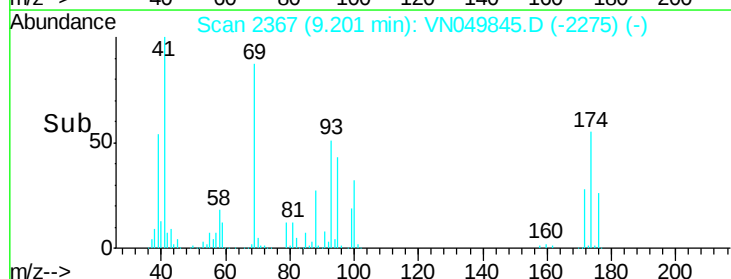
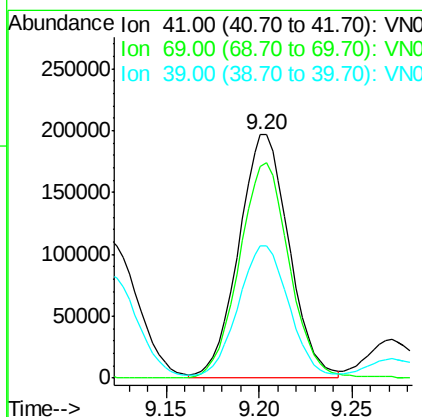
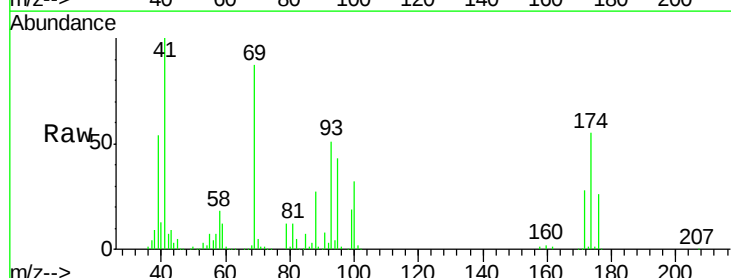
RT: 9.20 min Scan# 2367

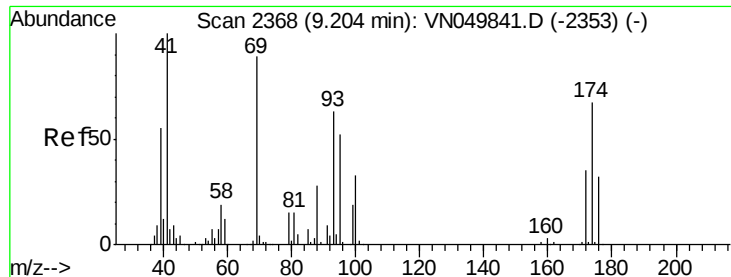
Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	41	Resp:	368865
Ion	Ratio	Lower	Upper
41	100		
69	88.4	71.5	107.3
39	55.0	44.7	67.1





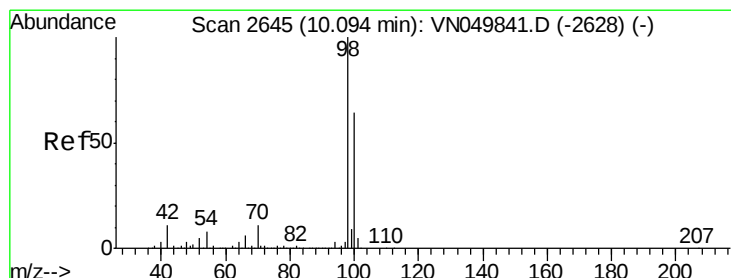
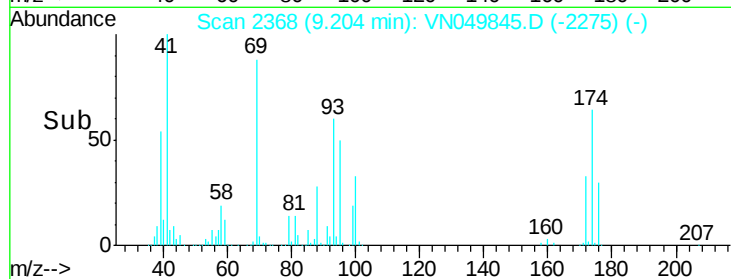
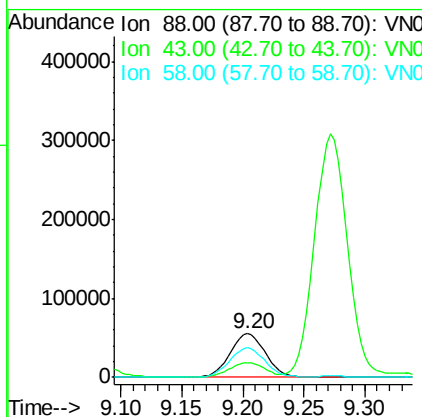
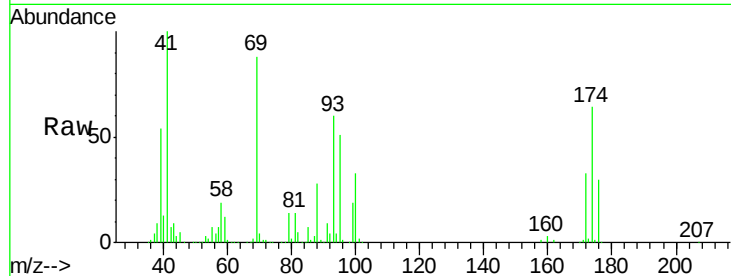
#49
1,4-Dioxane
Concen: 1045.41 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

Tot Ion	88	Resp	111064
Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.1	37.7
58	68.4	52.5	78.7

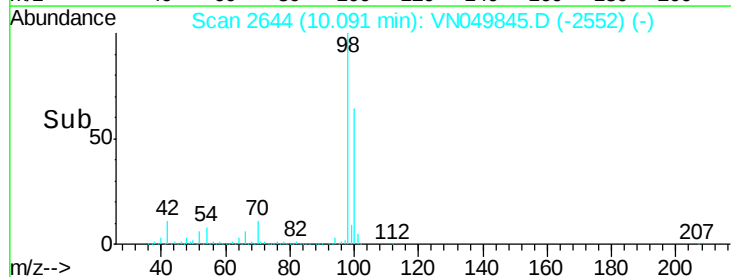
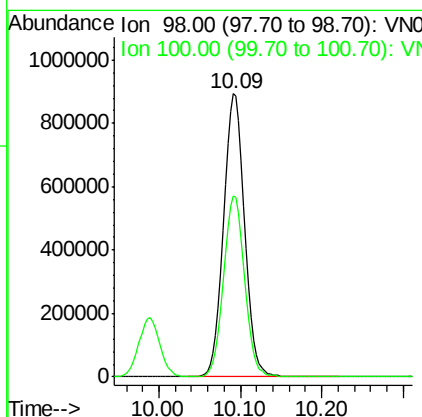
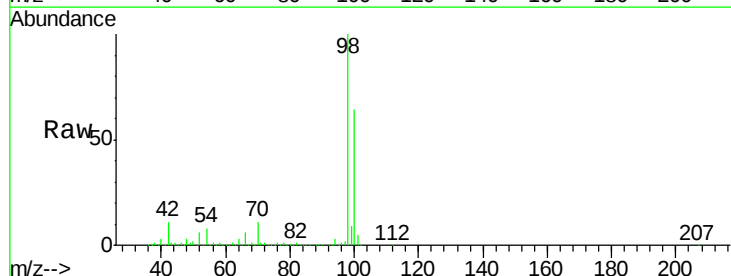
Manual Integrations
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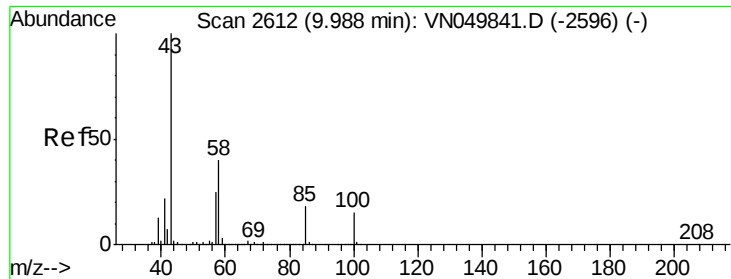
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#50
Toluene-d8
Concen: 53.44 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	98	Resp	1638507
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 263.67 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 43 Resp: 2192034

Ion Ratio Lower Upper

43 100

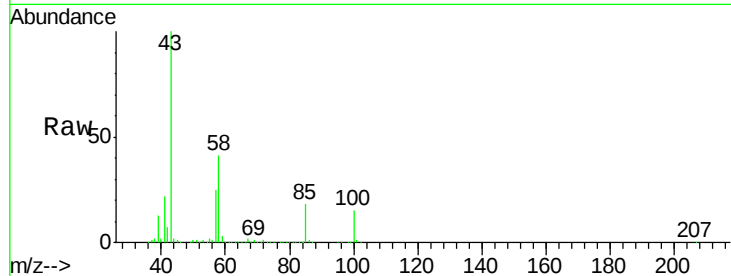
58 40.1 31.8 47.8

Manual Integrations

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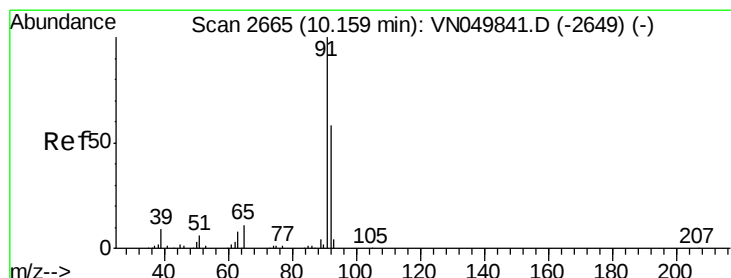
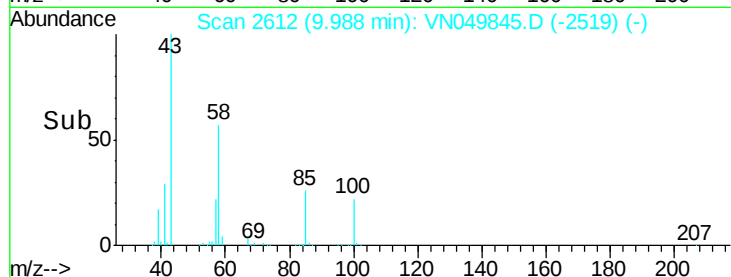
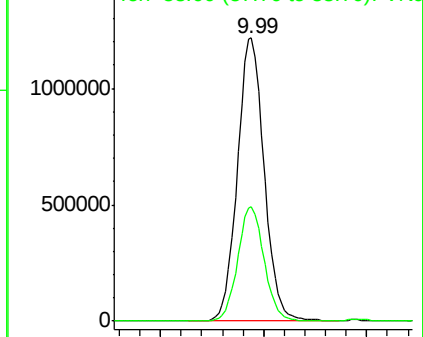
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.96 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049845.D

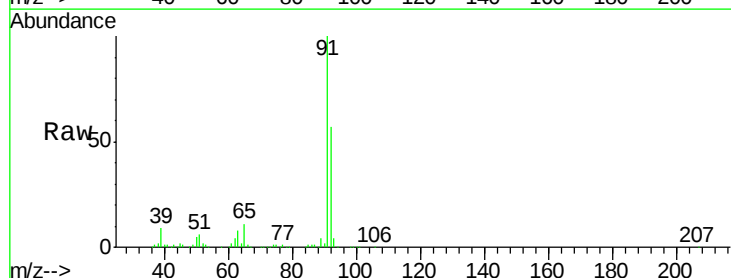
Acq: 17 Jul 2018 14:27

Tgt Ion: 92 Resp: 1031090

Ion Ratio Lower Upper

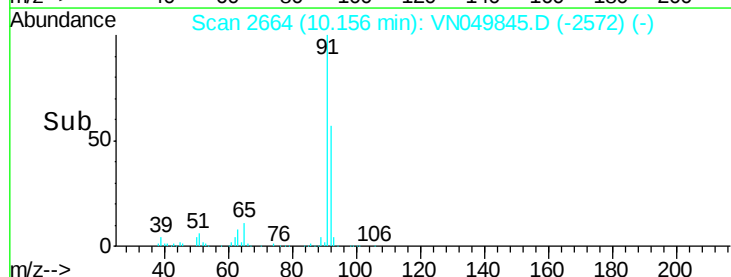
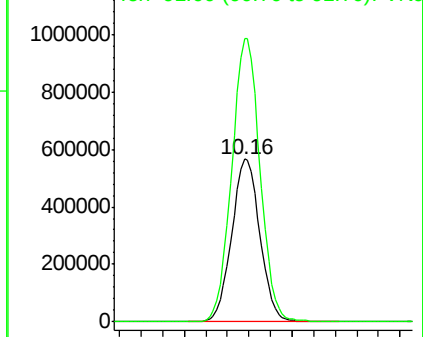
92 100

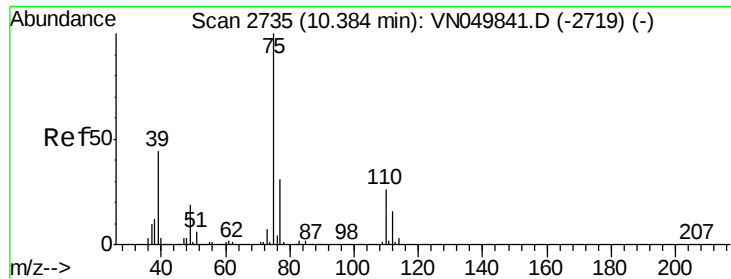
91 174.8 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.19 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 75 Resp: 605702

Ion Ratio Lower Upper

75 100

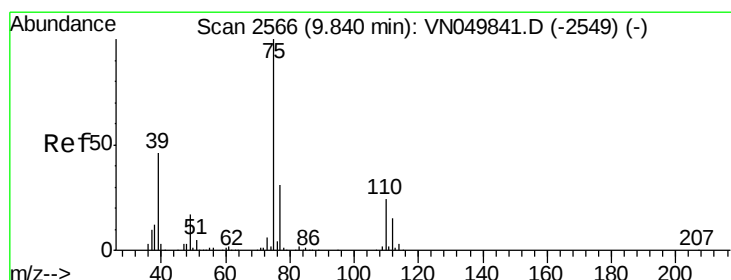
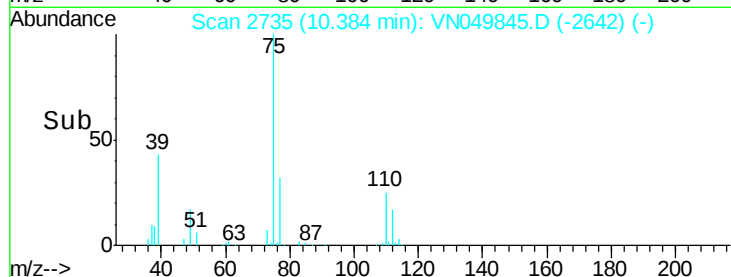
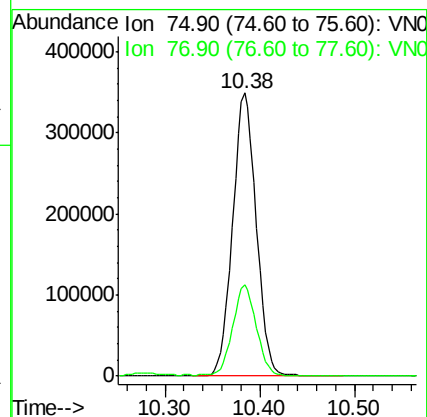
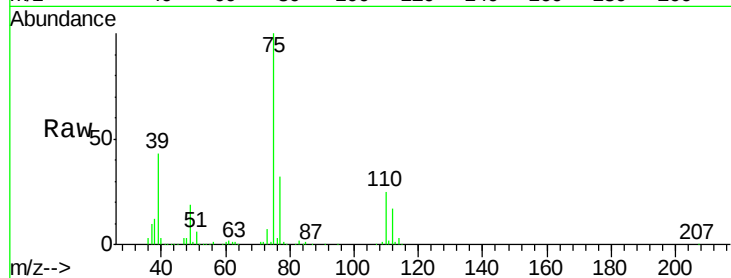
77 32.0 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 51.87 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

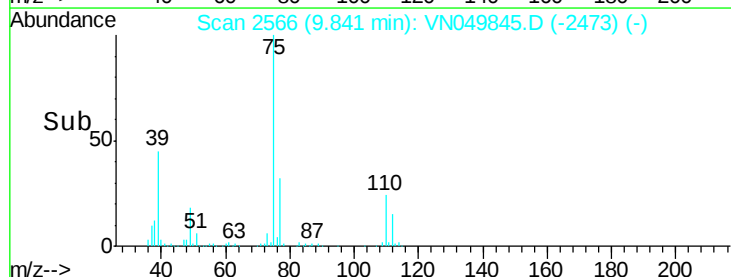
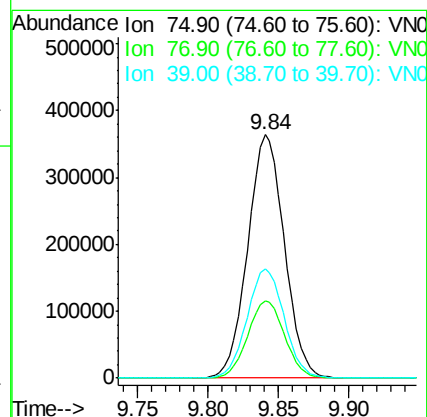
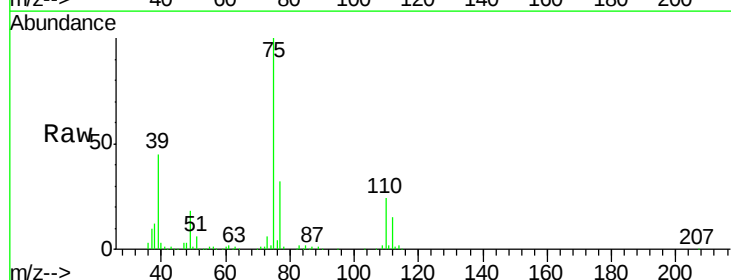
Tgt Ion: 75 Resp: 662955

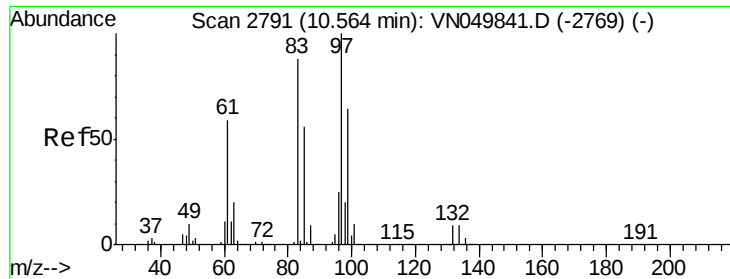
Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

39 44.7 35.5 53.3





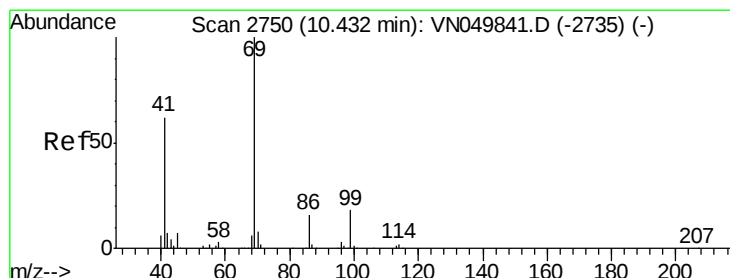
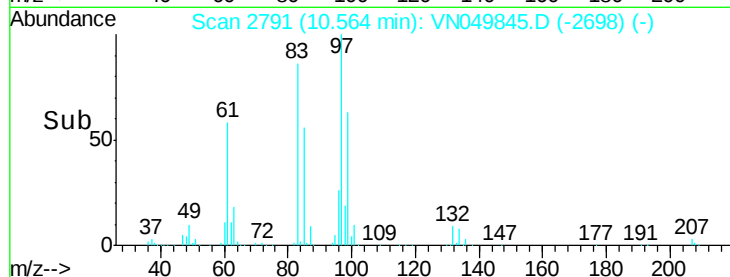
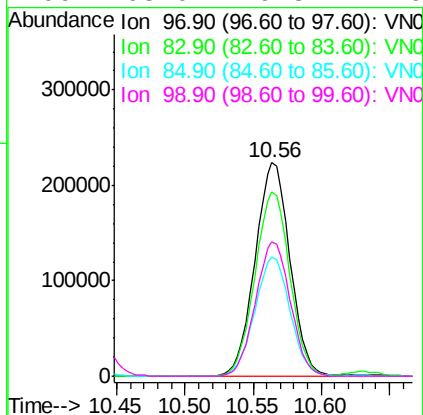
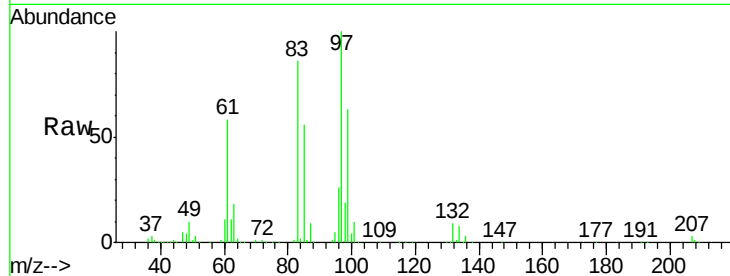
#55
 1,1,2-Trichloroethane
 Concen: 47.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Tot Ion	97	Resp	397960
Ion Ratio	Lower	Upper	
97	100		
83	86.4	69.0	103.6
85	56.0	44.9	67.3
99	63.0	49.8	74.6

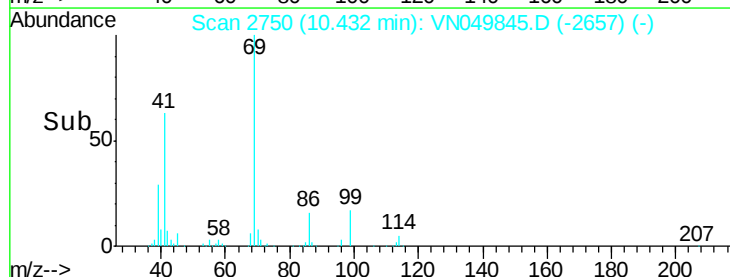
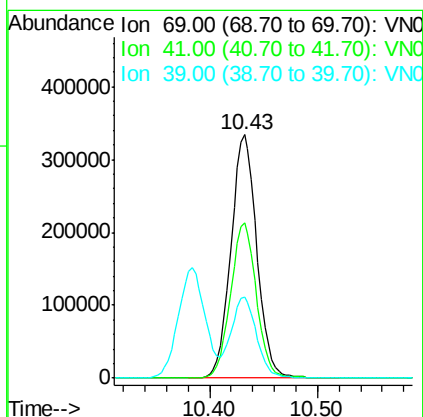
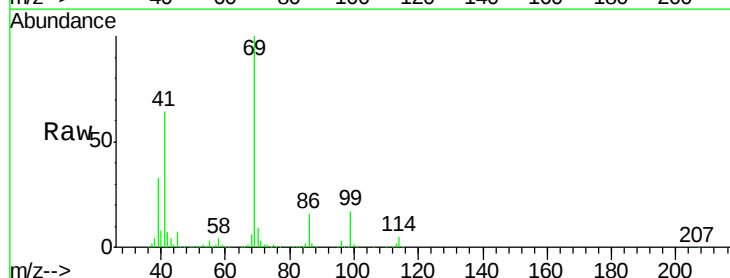
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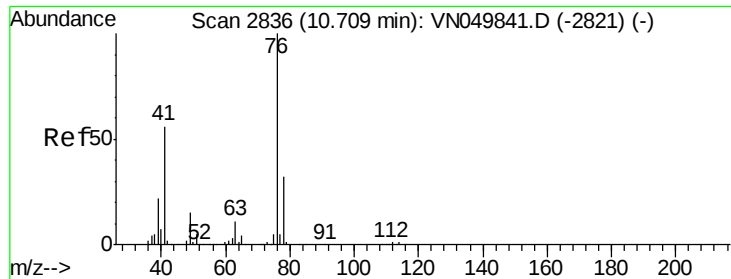
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#56
 Ethyl methacrylate
 Concen: 55.63 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Tgt Ion	69	Resp	559480
Ion Ratio	Lower	Upper	
69	100		
41	62.6	51.6	77.4
39	32.5	25.8	38.8





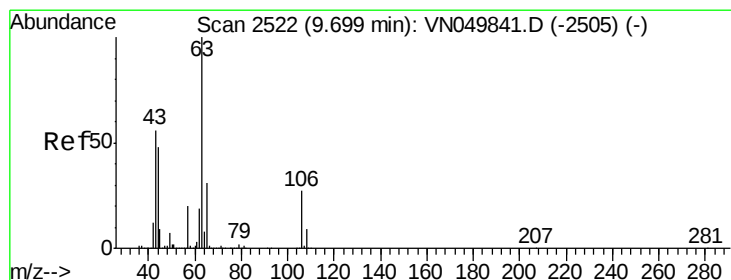
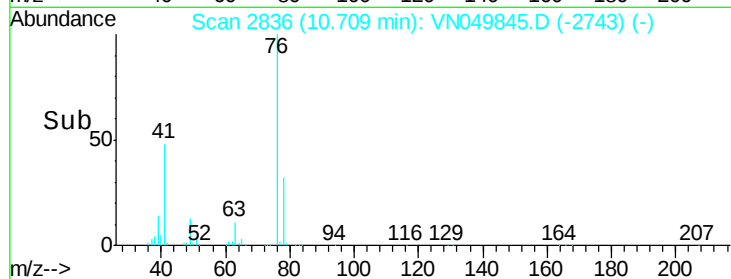
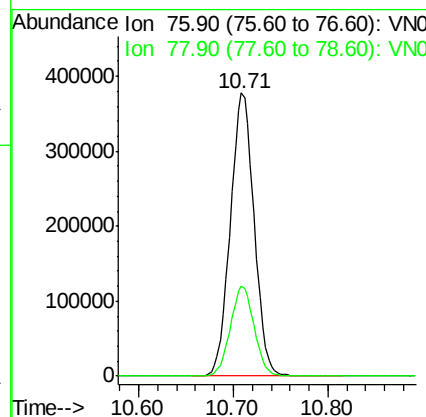
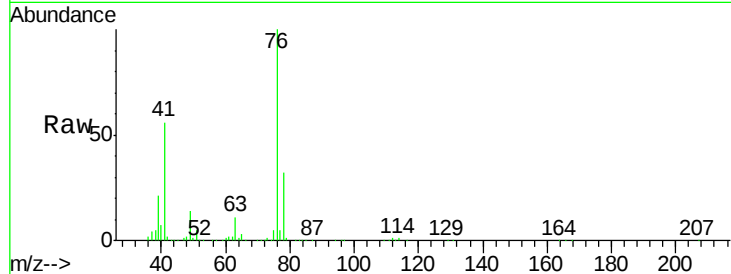
#57
 1,3-Dichloropropane
 Concen: 49.06 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Tot Ion: 76 Resp: 659879
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

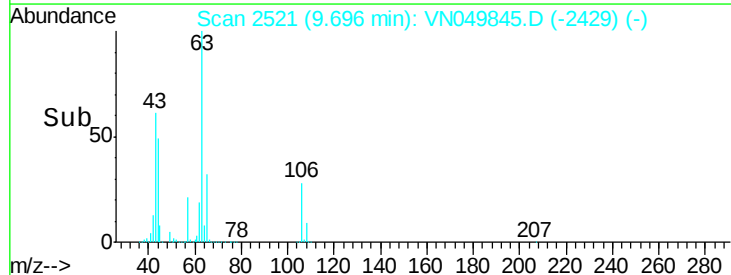
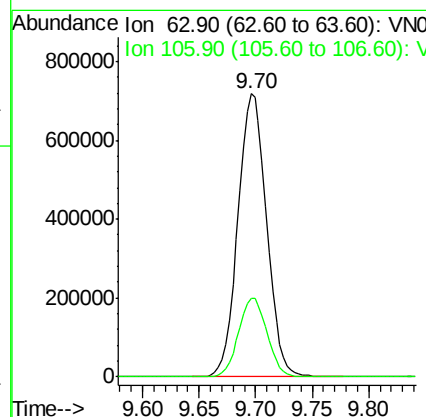
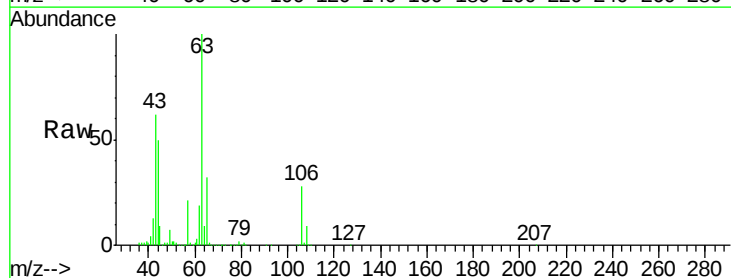
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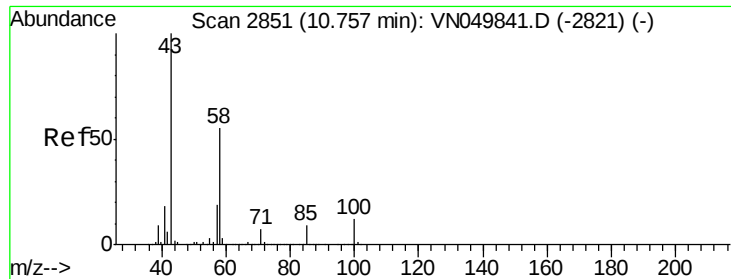
MMDadoda
 7/18/2018 11:59:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.59 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Tgt Ion: 63 Resp: 1270280
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.8





#59

2-Hexanone

Concen: 280.05 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 43 Resp: 1596262

Ion Ratio Lower Upper

43 100

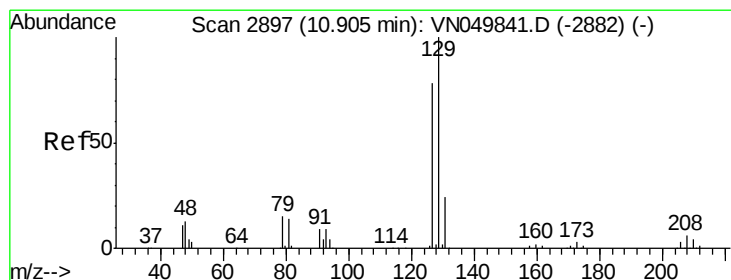
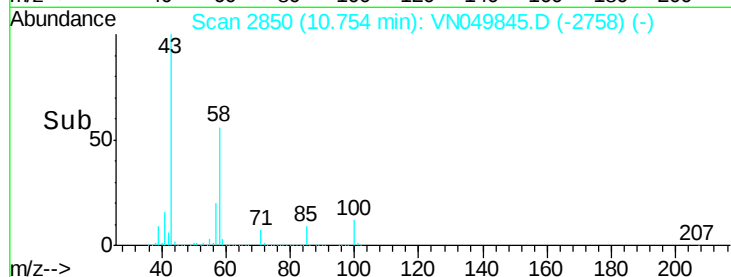
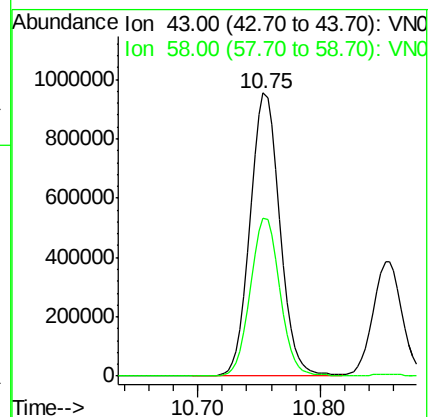
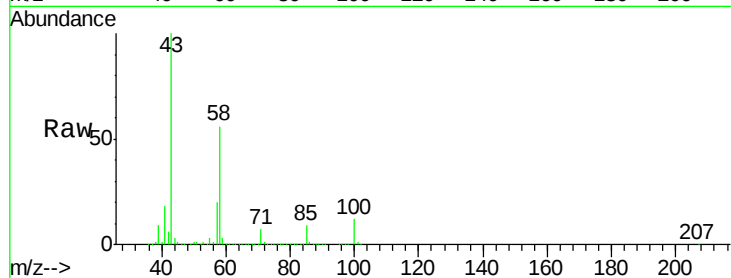
58 55.7 27.8 83.4

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#60

Dibromochloromethane

Concen: 48.46 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049845.D

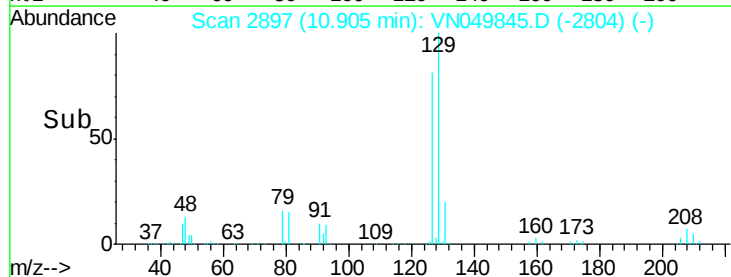
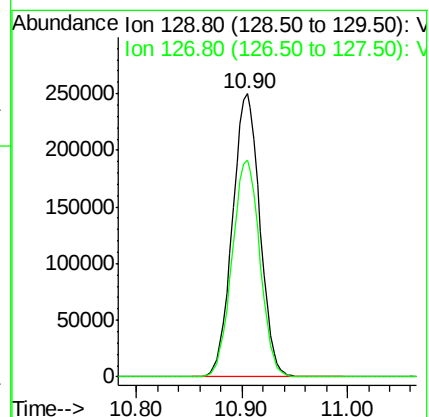
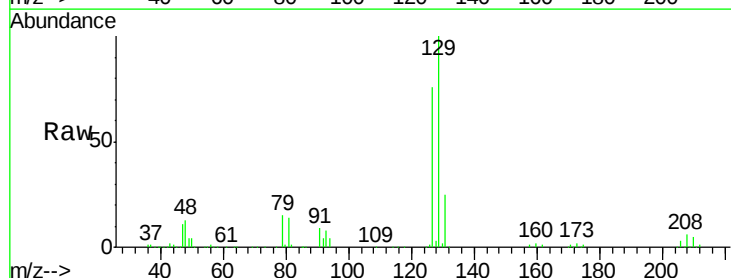
Acq: 17 Jul 2018 14:27

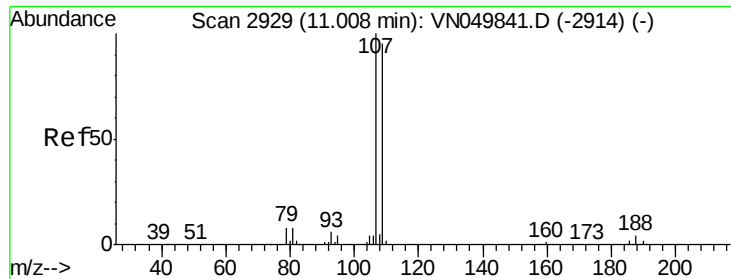
Tgt Ion: 129 Resp: 448073

Ion Ratio Lower Upper

129 100

127 77.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 49.73 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 107 Resp: 404697

Ion Ratio Lower Upper

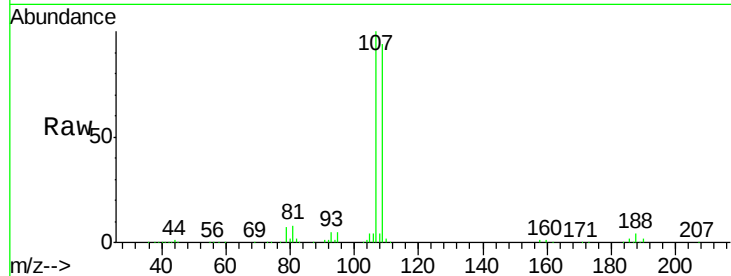
107 100

109 94.9 75.0 112.6

Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

250000

200000

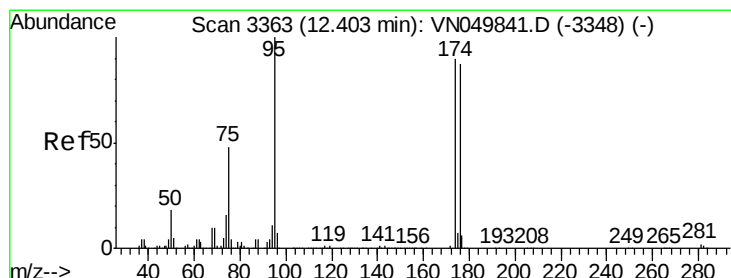
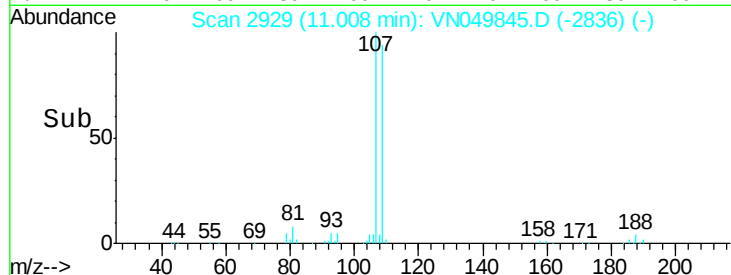
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

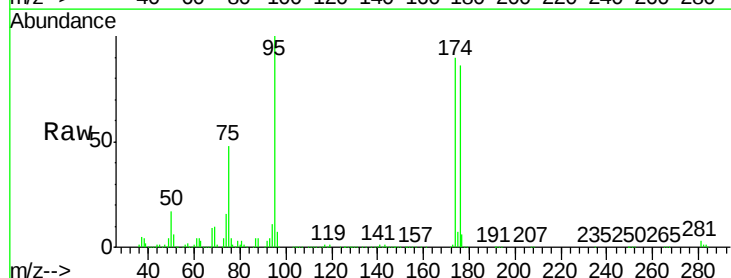
Tgt Ion: 95 Resp: 575687

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.6

176 86.8 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

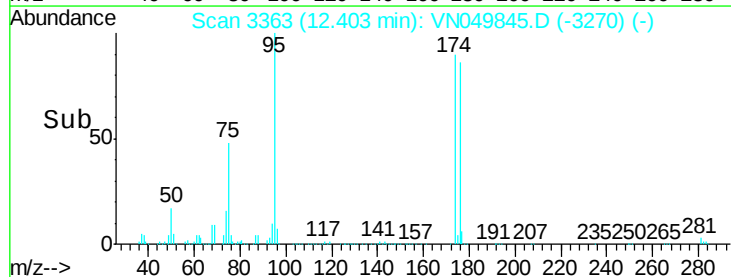
300000

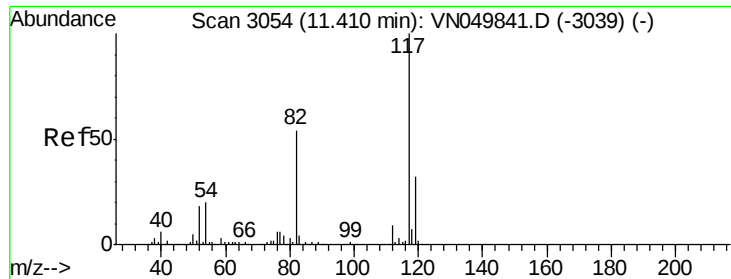
200000

100000

0

Time-->





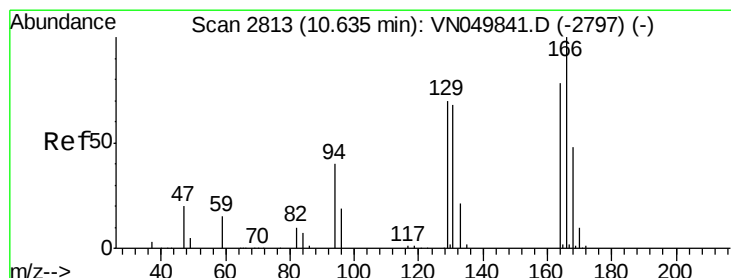
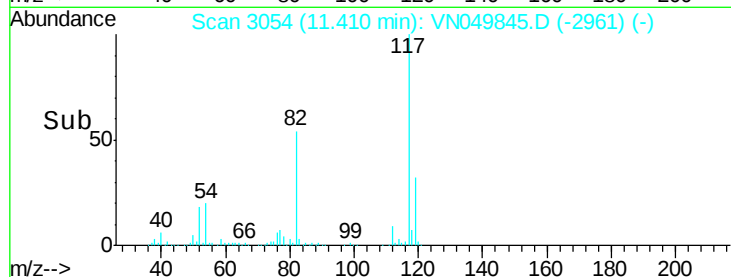
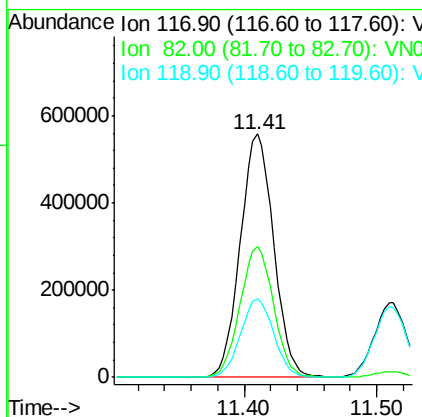
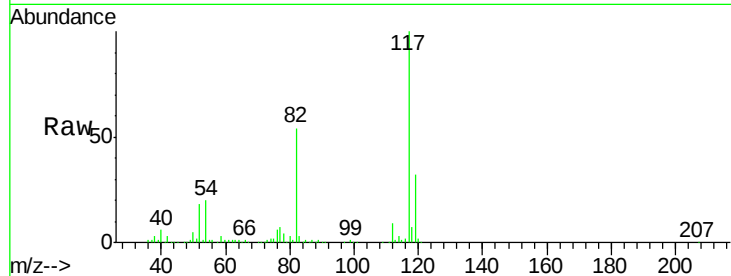
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

Tot Ion	Ratio	Resp	Lower	Upper
117	100	975813		
82	53.6		41.9	62.9
119	32.1		25.4	38.2

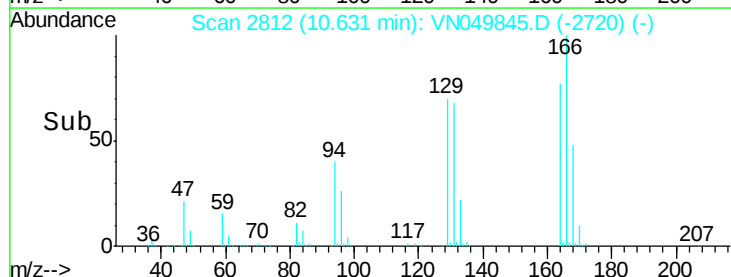
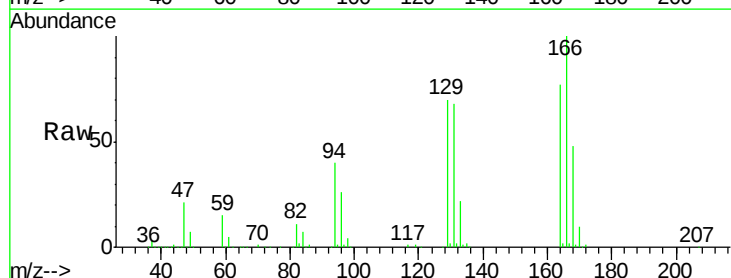
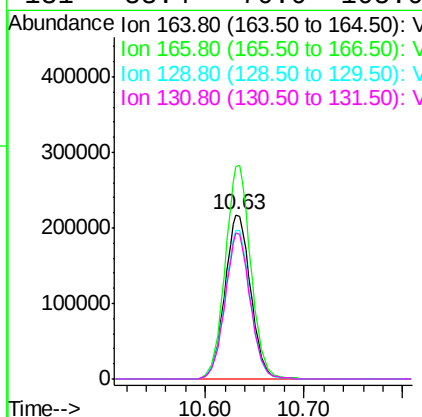
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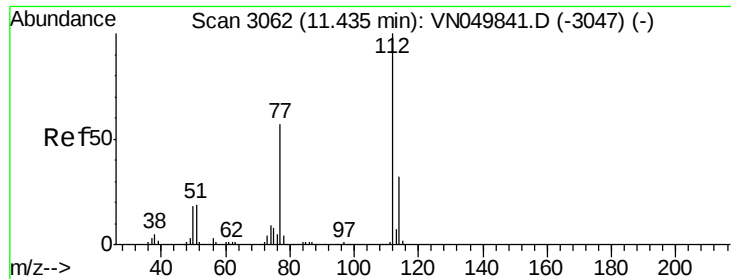
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#64
Tetrachloroethene
Concen: 47.62 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	395217		
166	129.2		101.8	152.6
129	90.5		72.8	109.2
131	88.4		70.0	105.0





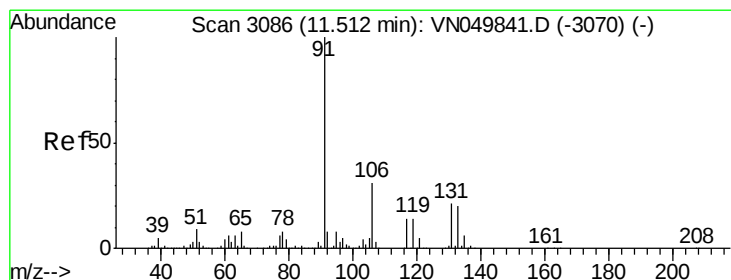
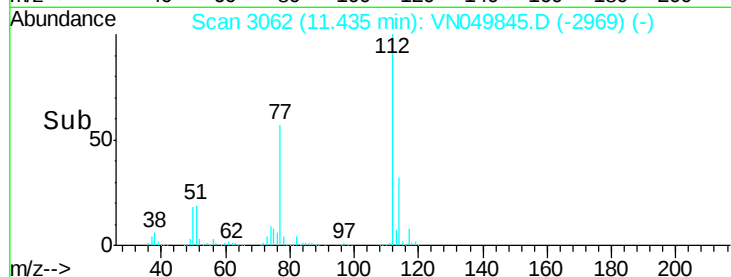
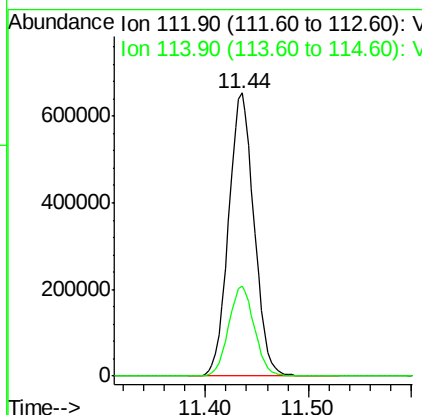
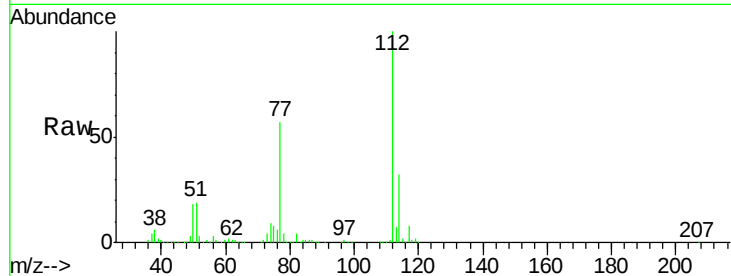
#65
Chlorobenzene
Concen: 48.65 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

Tot Ion:112 Resp: 1125472
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

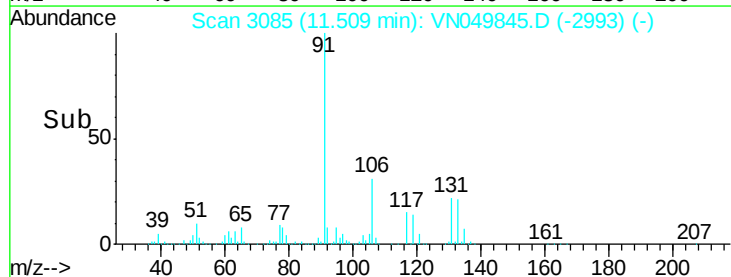
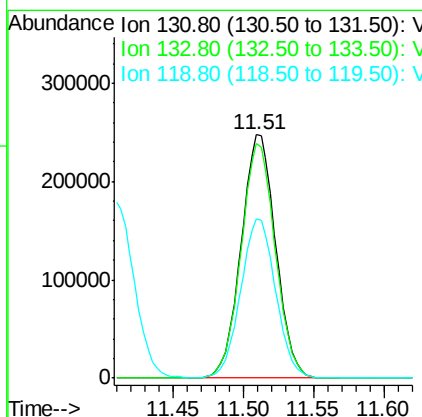
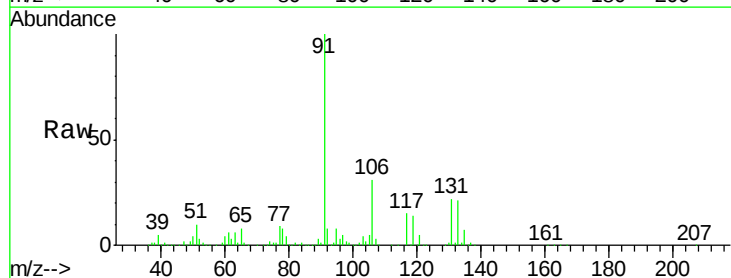
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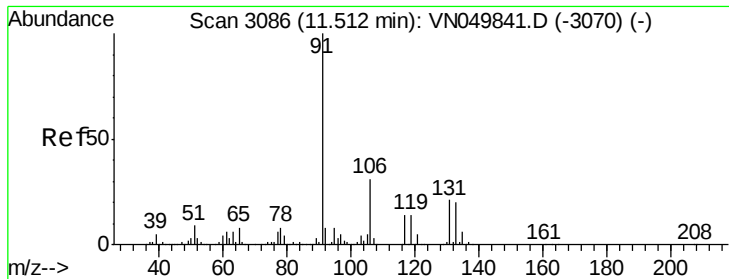
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.81 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion:131 Resp: 424646
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 66.5 33.1 99.3





#67

Ethyl Benzene

Concen: 53.15 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

ICVVN071718

Tot Ion: 91 Resp: 1976482

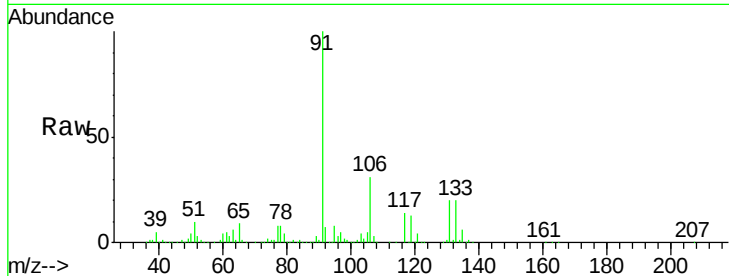
Ion Ratio Lower Upper

91 100

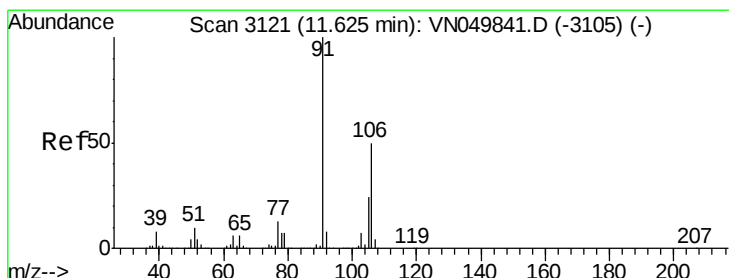
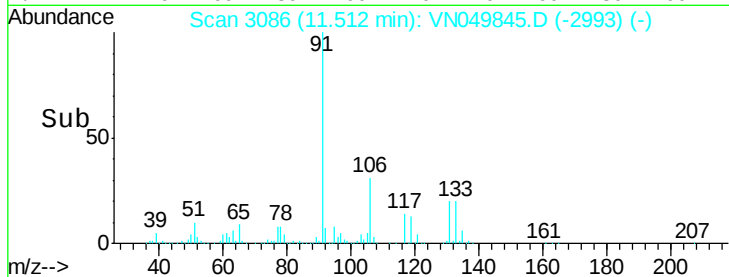
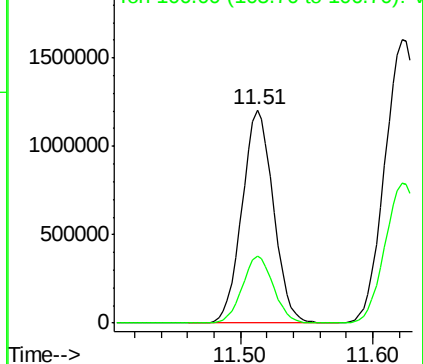
106 31.5 24.8 37.2

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Abundance Ion 91.00 (90.70 to 91.70): VN049845.D (-2993) (-)



#68

m/p-Xylenes

Concen: 108.07 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049845.D

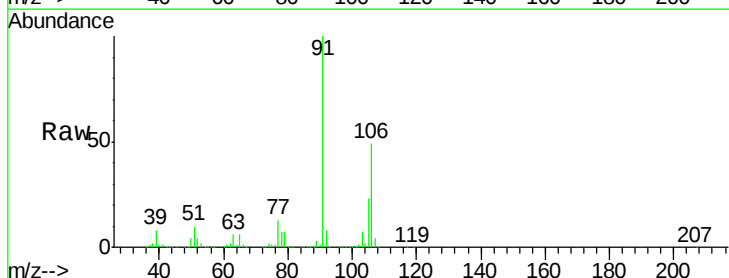
Acq: 17 Jul 2018 14:27

Tgt Ion: 106 Resp: 1524806

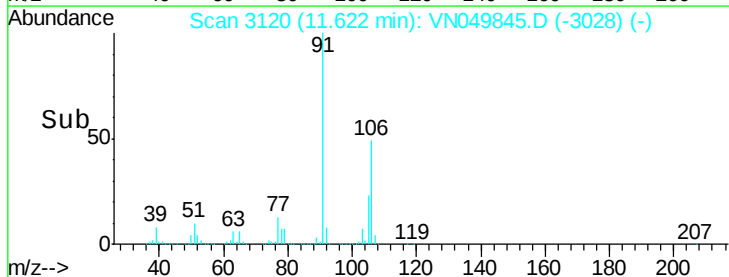
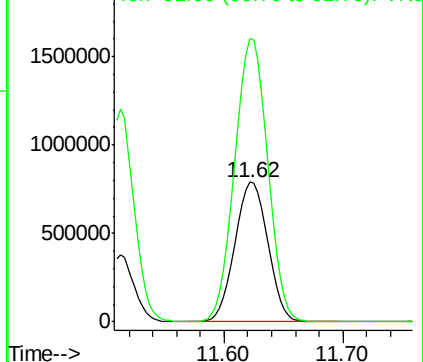
Ion Ratio Lower Upper

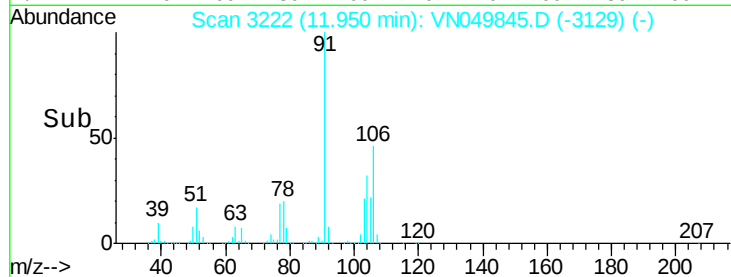
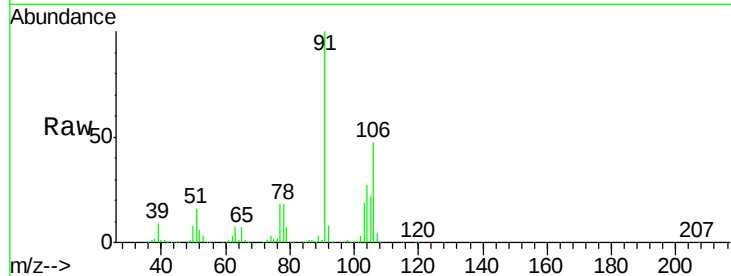
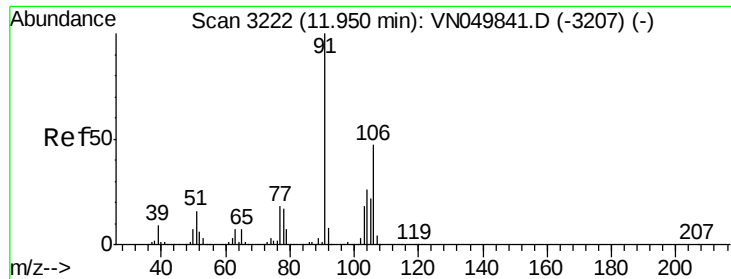
106 100

91 202.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049845.D (-3028) (-)





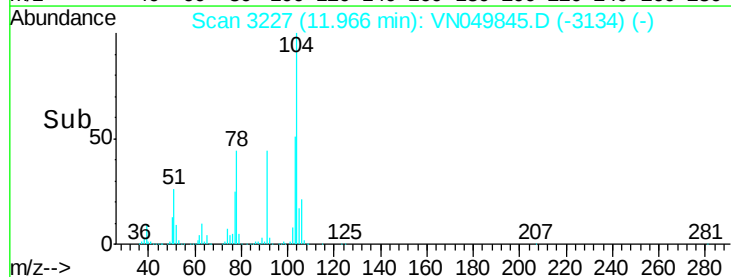
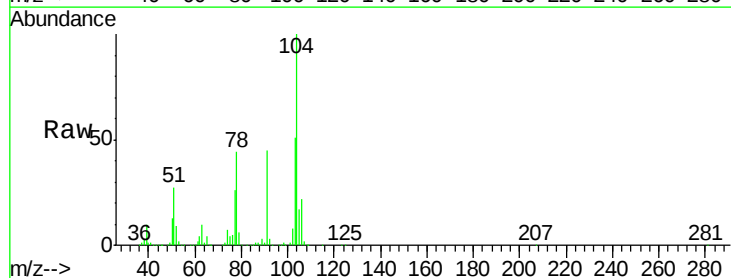
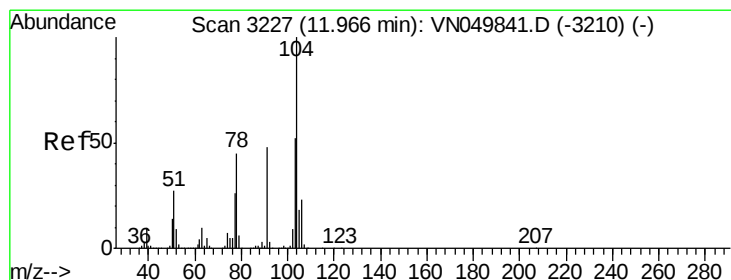
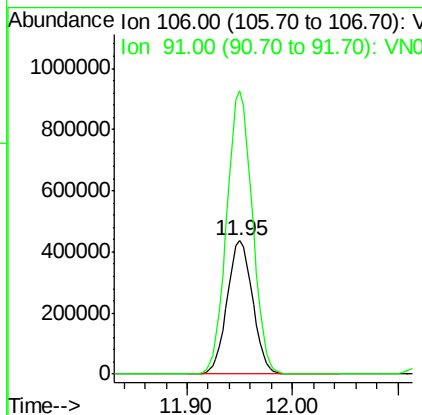
#69
o-Xylene
Concen: 54.17 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tot Ion:106 Resp: 728830
Ion Ratio Lower Upper
106 100
91 213.3 108.7 326.1

Instrument :
MSVOA_N
ClientSampled :
ICVVN071718

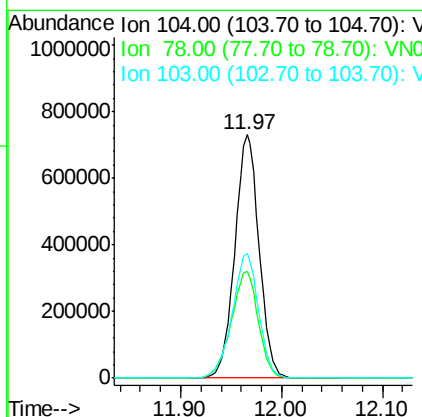
Manual Integrations
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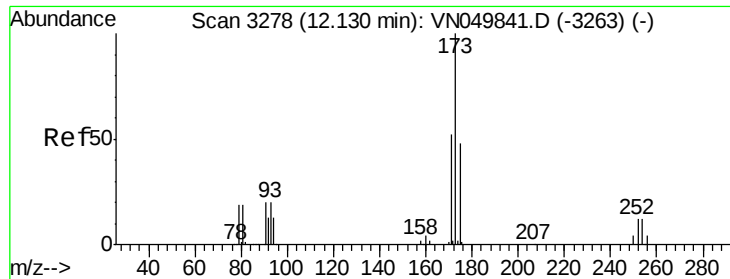
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#70
Styrene
Concen: 55.81 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion:104 Resp: 1217270
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 55.6 44.6 67.0





#71

Bromoform

Concen: 49.74 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion:173 Resp: 340276

Ion Ratio Lower Upper

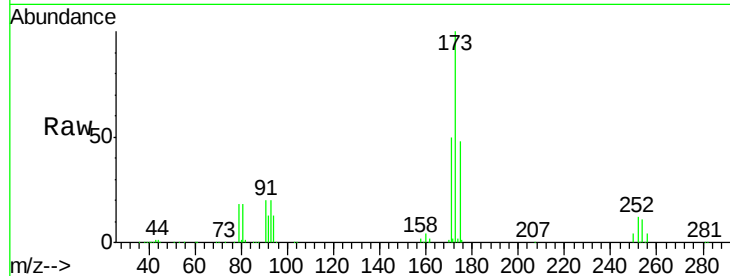
173 100

175 48.4 24.6 73.8

254 0.1 0.2 0.2#

Manual Integrations
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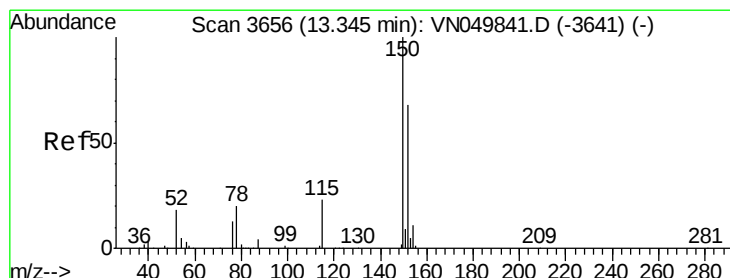
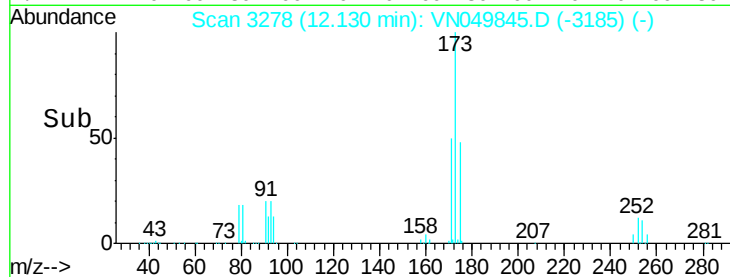
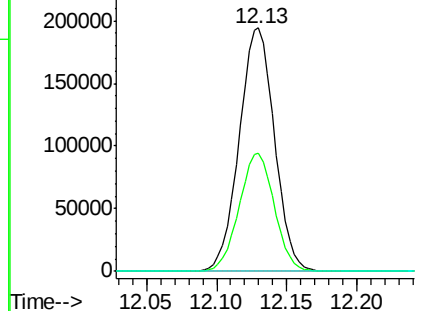
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

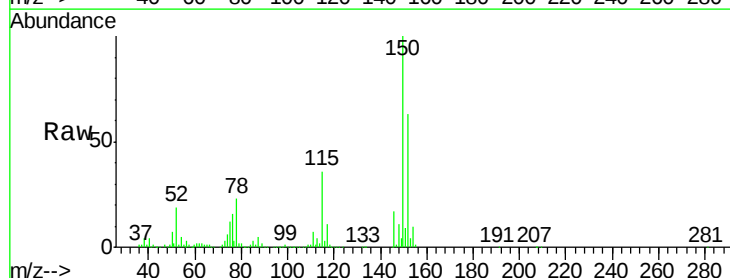
Tgt Ion:152 Resp: 538055

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

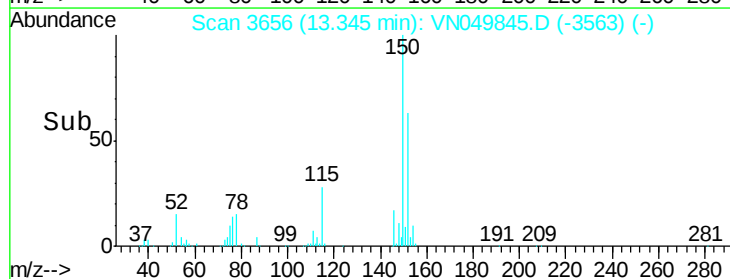
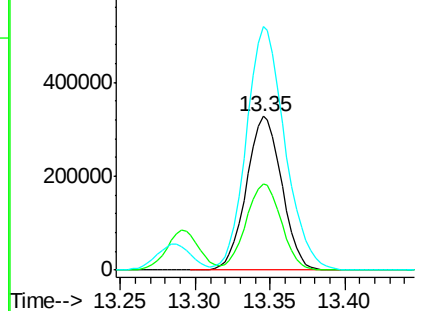
150 172.6 0.0 347.6

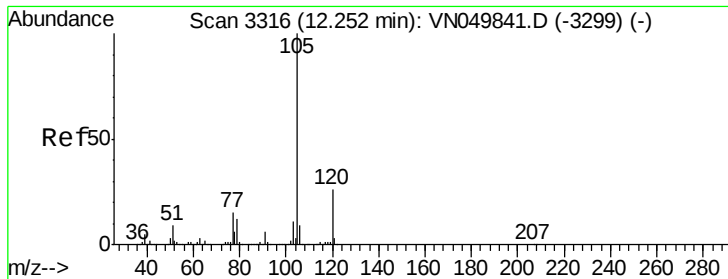


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.66 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

ICVVN071718

Tot Ion: 105 Resp: 1973880

Ion Ratio Lower Upper

105 100

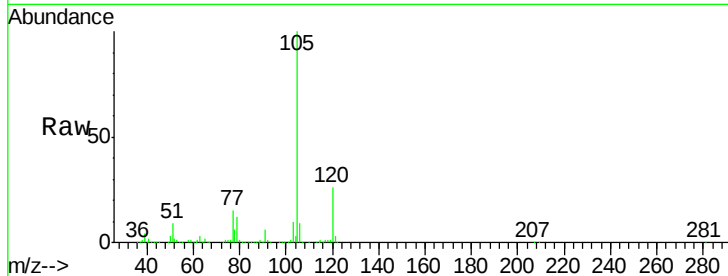
120 26.4 13.3 39.8

Manual Integrations

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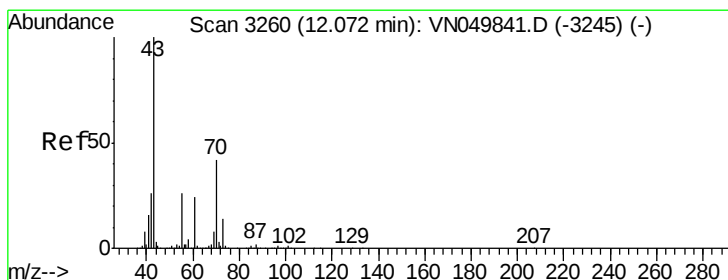
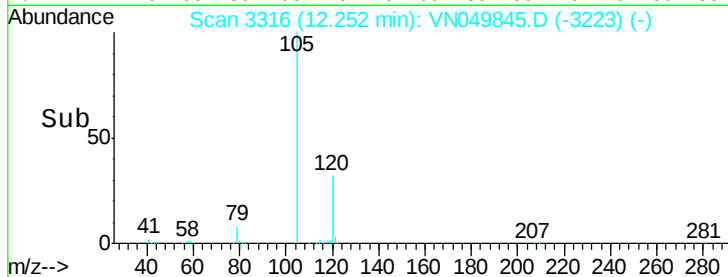
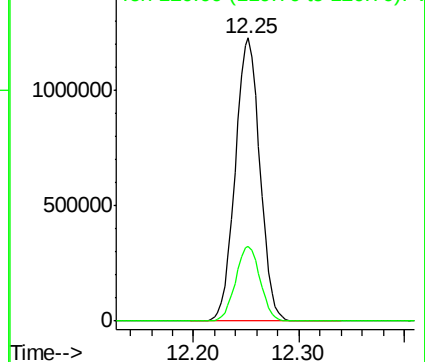
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.80 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion: 43 Resp: 653968

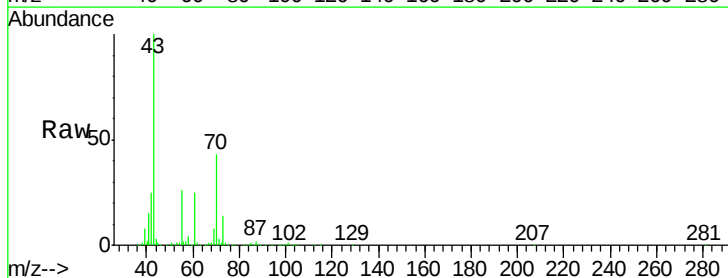
Ion Ratio Lower Upper

43 100

70 43.2 34.8 52.2

55 25.9 20.9 31.3

61 24.9 19.9 29.9

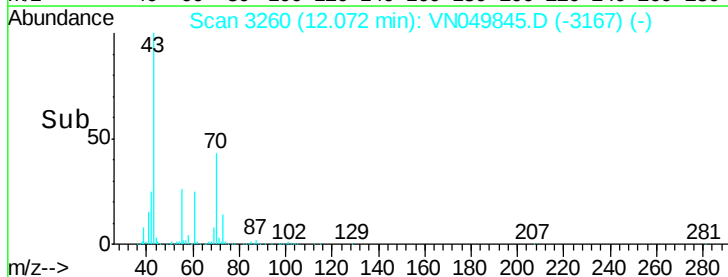
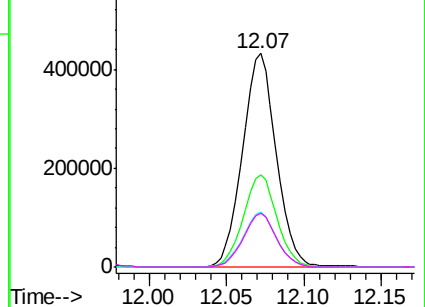


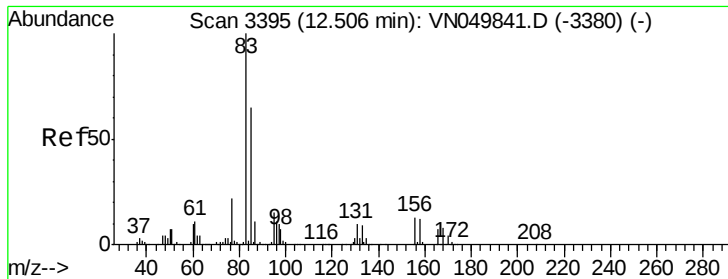
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.34 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

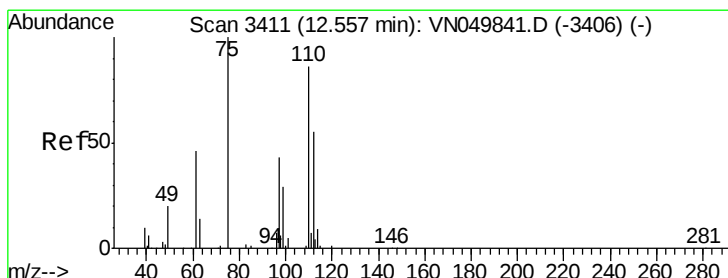
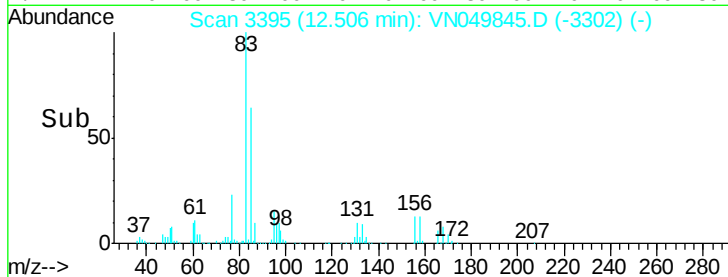
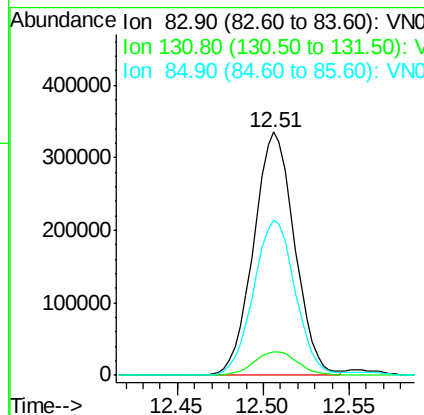
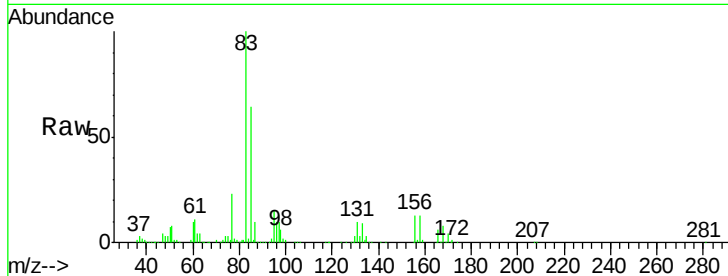
ClientSampleId :

ICVVN071718

Tot Ion:	83	Resp:	554103
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.8	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.09 ug/l m

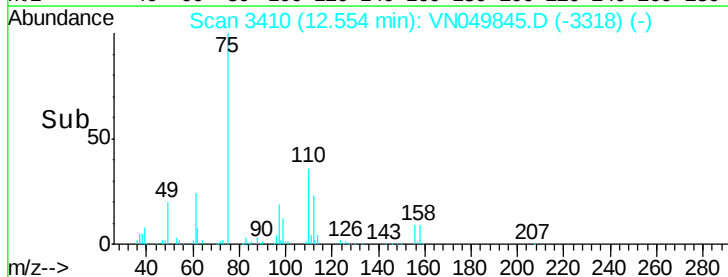
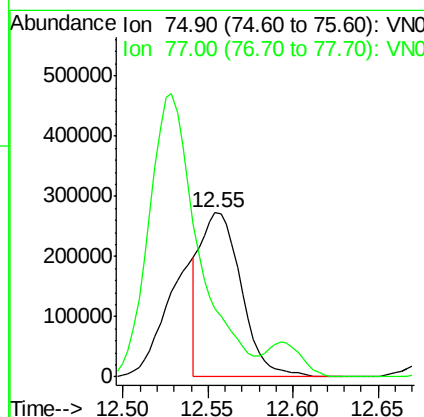
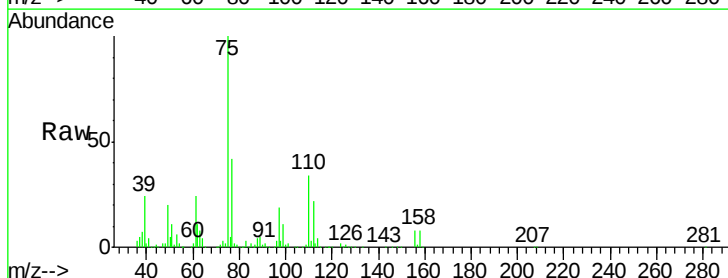
RT: 12.55 min Scan# 3410

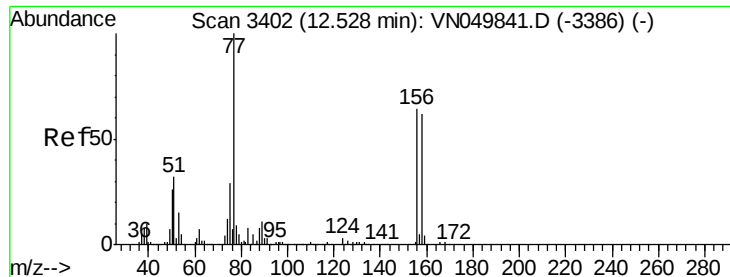
Delta R.T. -0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	75	Resp:	453659
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.30 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

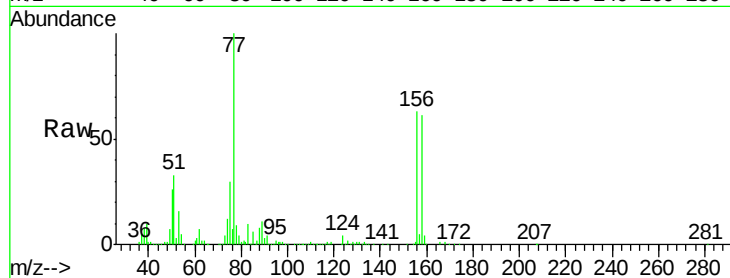
ClientSampleId :

ICVVN071718

Tot Ion:	156	Resp:	505146
Ion Ratio	Lower	Upper	
156	100		
77	187.6	90.2	270.6
158	97.8	49.1	147.3

Manual Integrations
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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

600000

500000

400000

300000

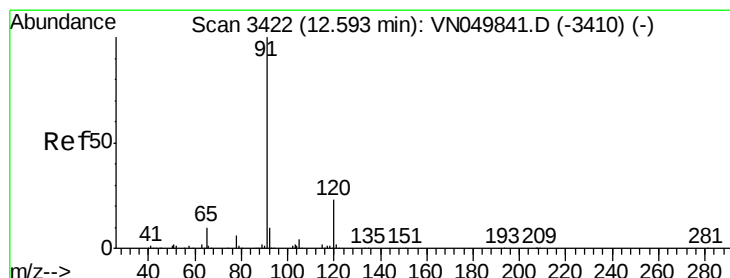
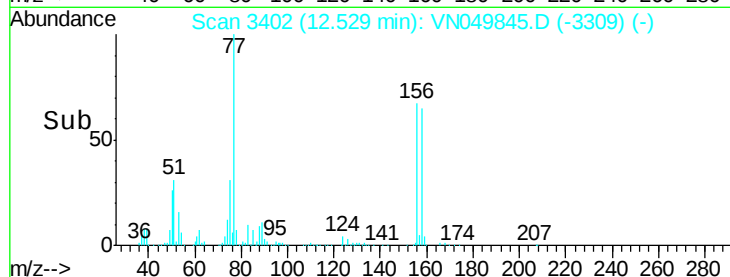
200000

100000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 52.65 ug/l

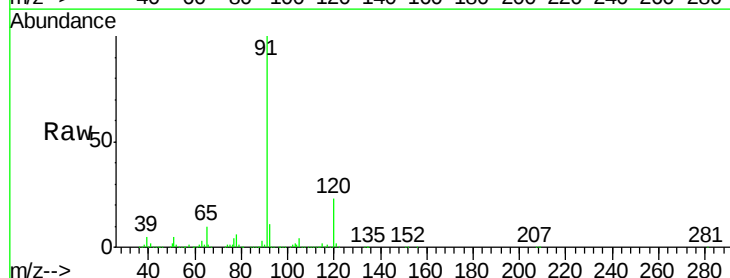
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	91	Resp:	2308496
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

1500000

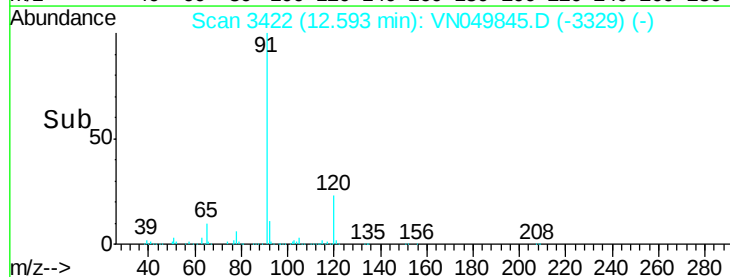
1000000

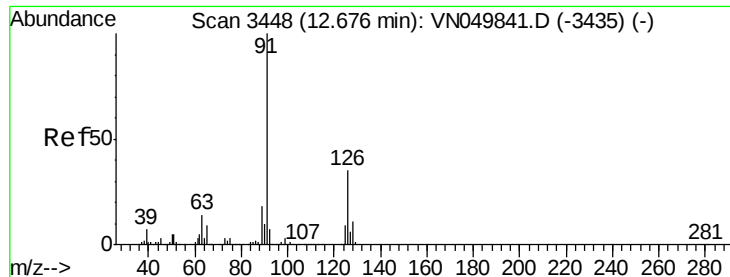
500000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 49.80 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion: 91 Resp: 1347878

Ion Ratio Lower Upper

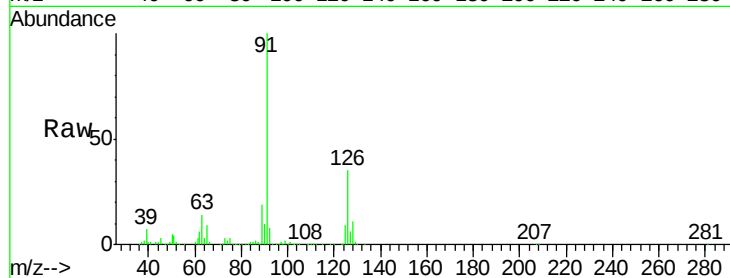
91 100

126 35.1 17.5 52.5

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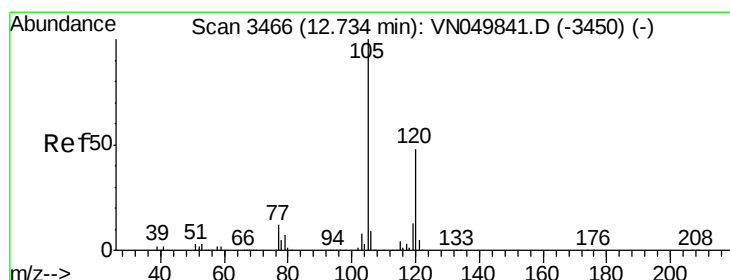
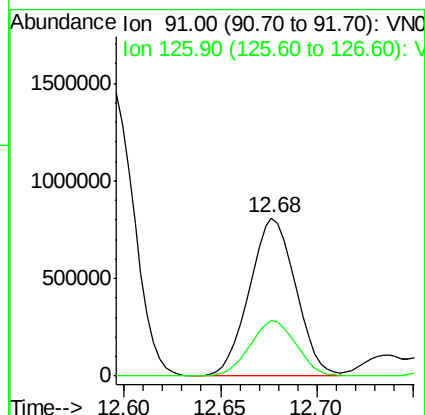
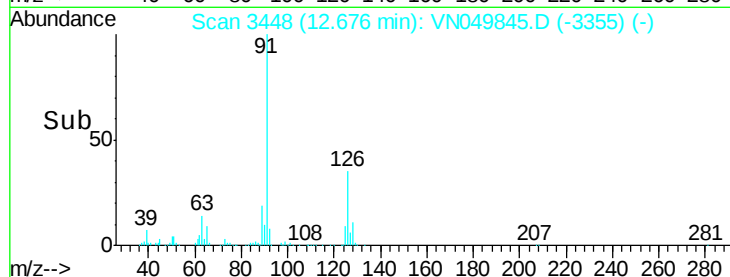
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN049845.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049845.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.62 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049845.D

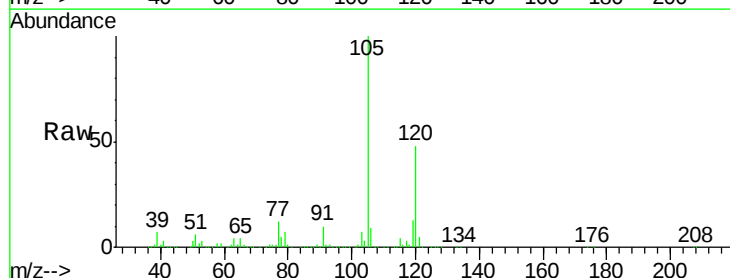
Acq: 17 Jul 2018 14:27

Tgt Ion: 105 Resp: 1637256

Ion Ratio Lower Upper

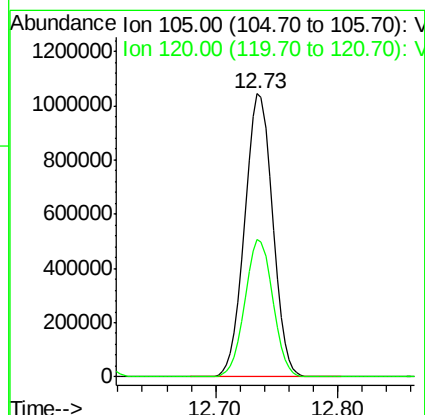
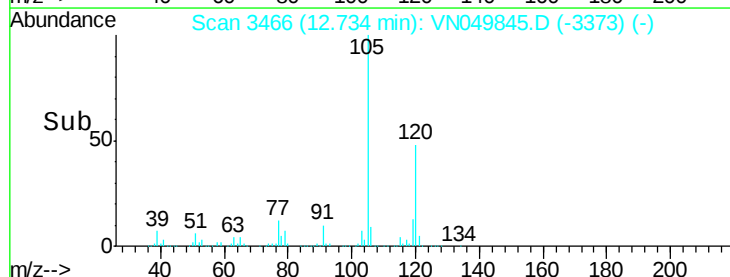
105 100

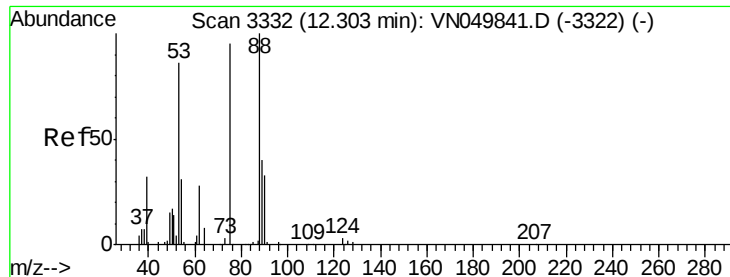
120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049845.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049845.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.63 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

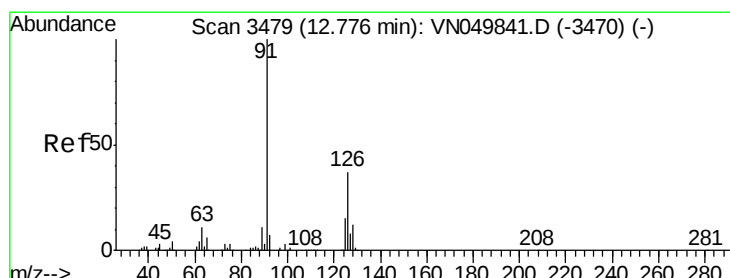
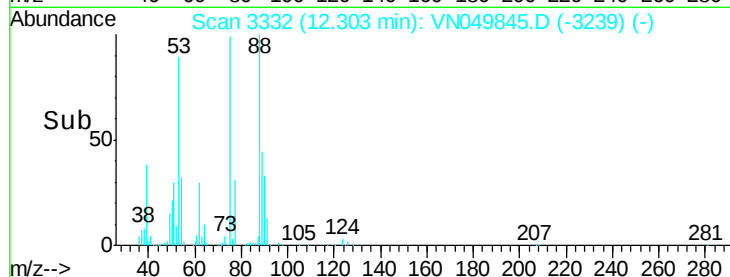
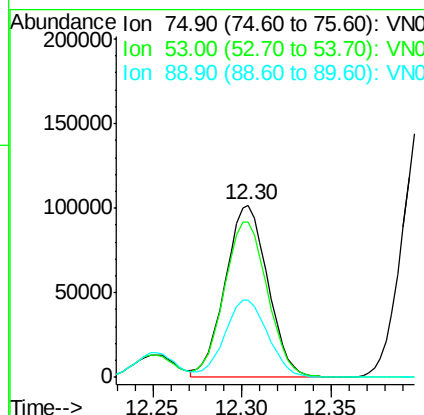
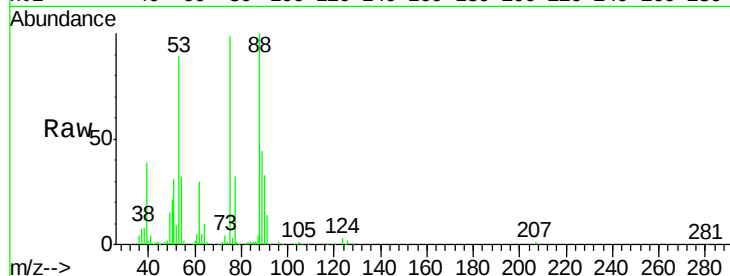
ClientSampleId :

ICVVN071718

Tot Ion:	75	Resp:	169313
Ion Ratio	Lower	Upper	
75	100		
53	90.6	73.9	110.9
89	45.2	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.25 ug/l

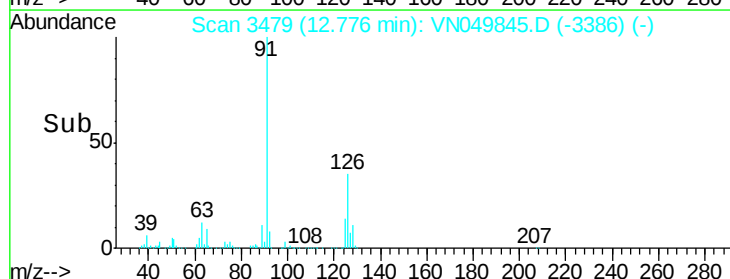
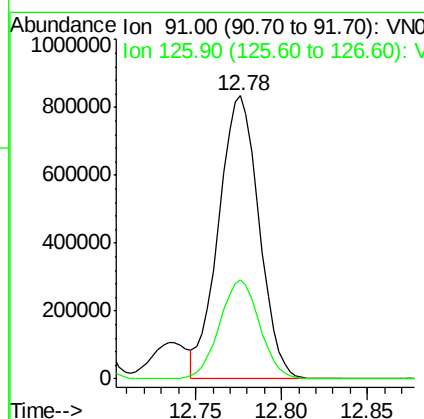
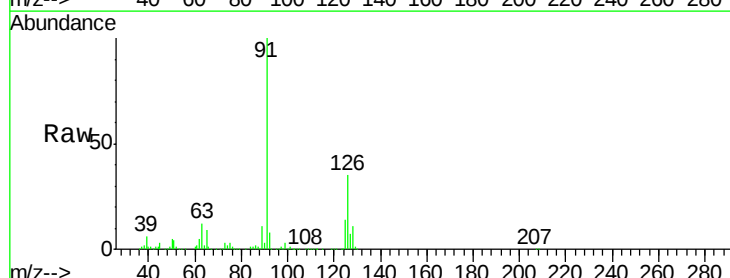
RT: 12.78 min Scan# 3479

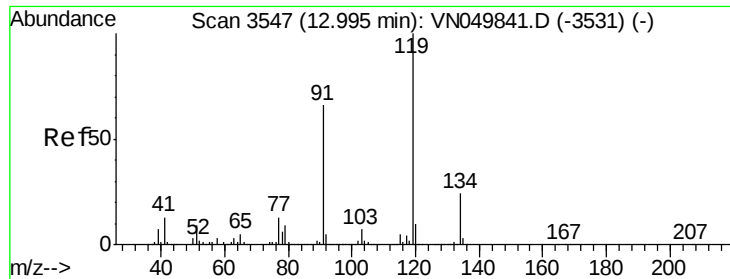
Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	91	Resp:	1370446
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.2	51.6





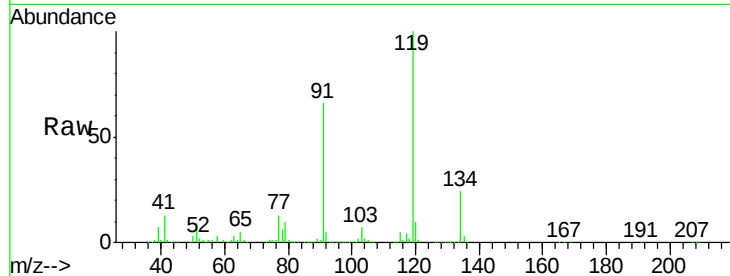
#83
tert-Butylbenzene
Concen: 52.33 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

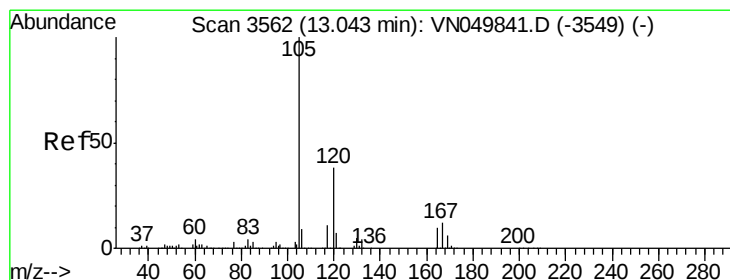
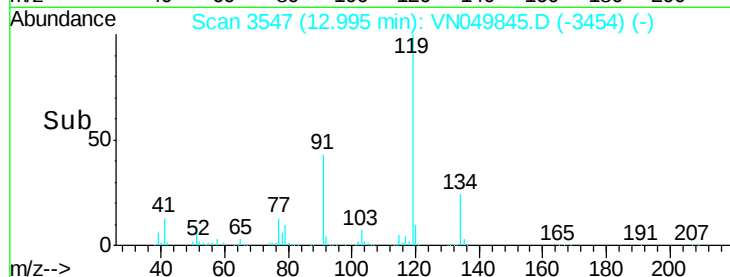
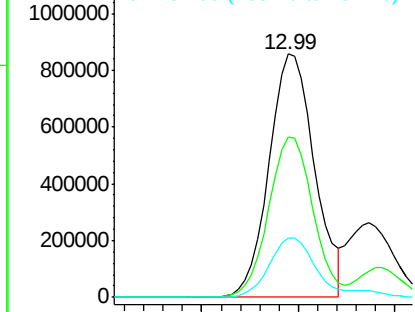
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.0	96.2
134	26.4	12.8	38.4

Manual Integrations
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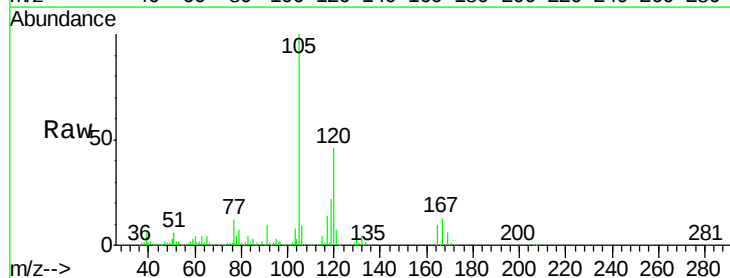


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

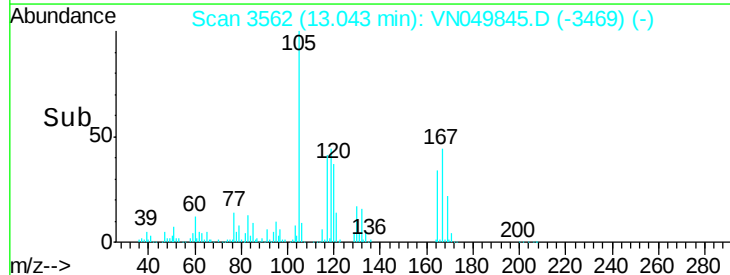
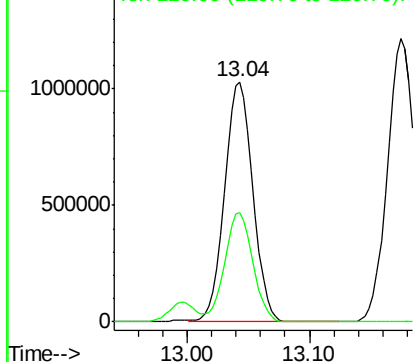


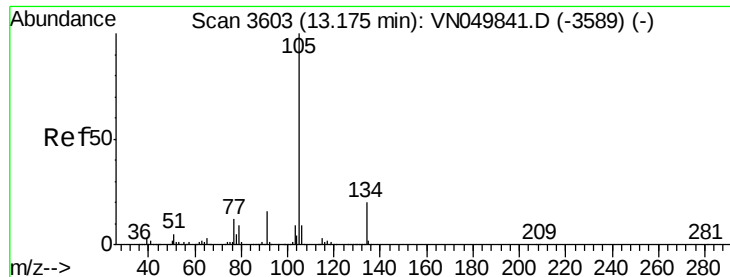
#84
1,2,4-Trimethylbenzene
Concen: 53.63 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.38 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071718

Tot Ion:105 Resp: 1921866

Ion Ratio Lower Upper

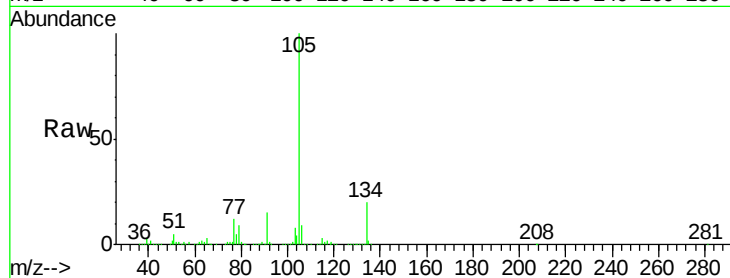
105 100

134 20.0 10.1 30.1

Manual Integrations
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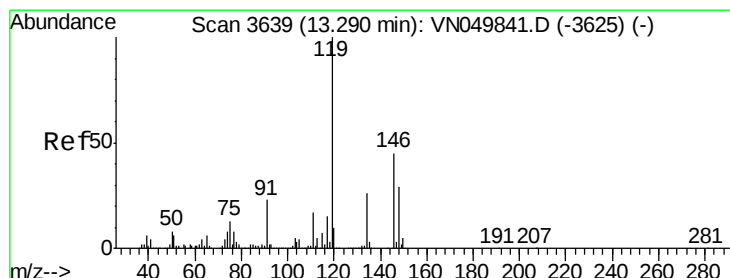
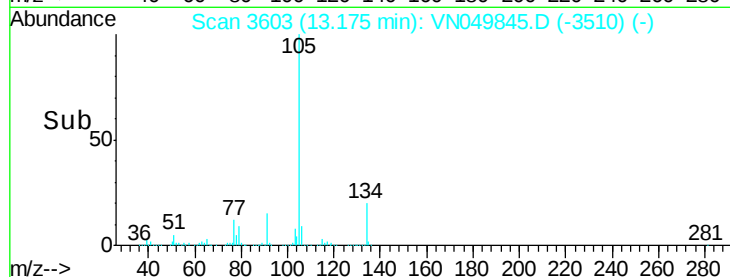
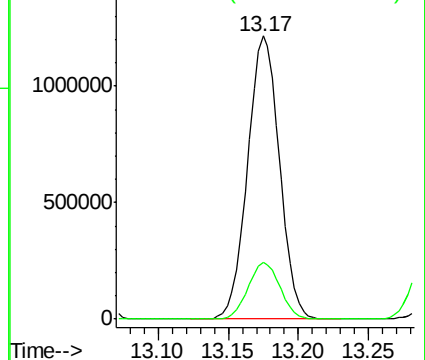
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.46 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

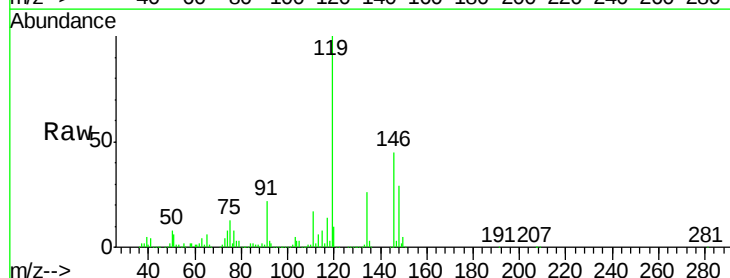
Tgt Ion:119 Resp: 1688164

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

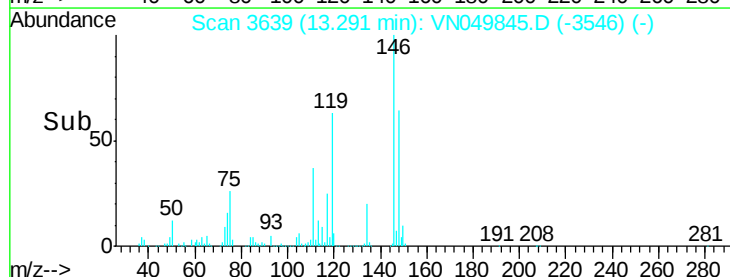
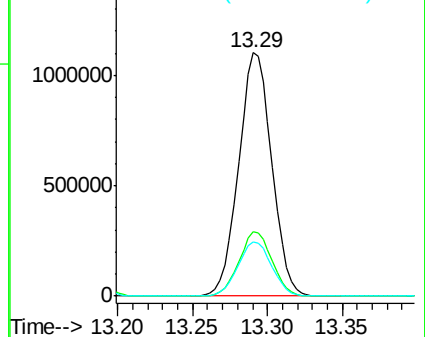
91 22.7 11.4 34.1

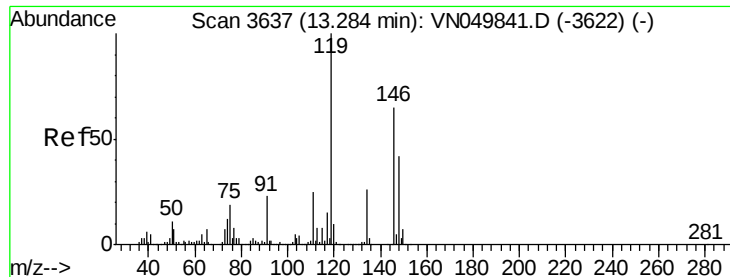


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.57 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

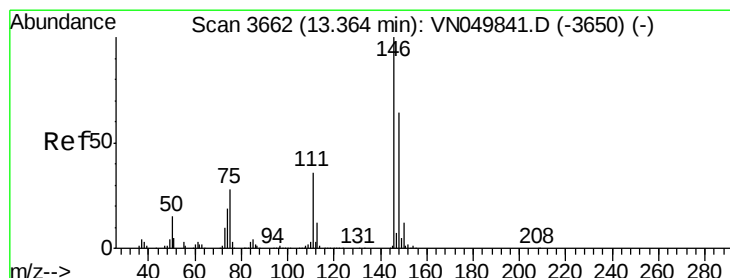
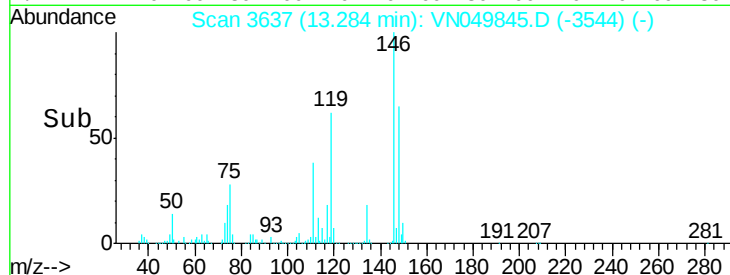
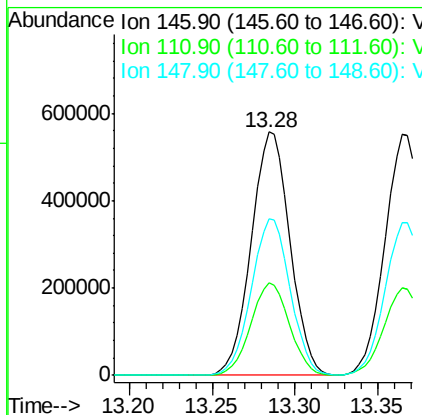
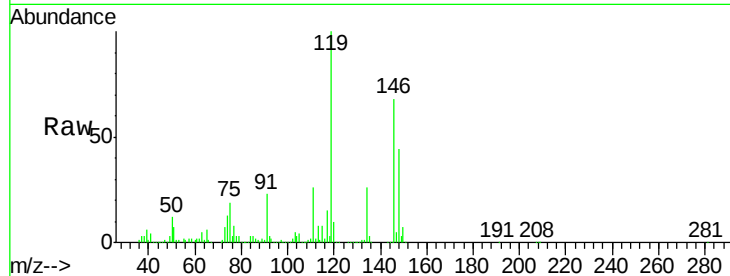
ClientSampled :

ICVVN071718

Tot Ion:	146	Resp:	909952
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.0	57.0
148	64.4	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.70 ug/l

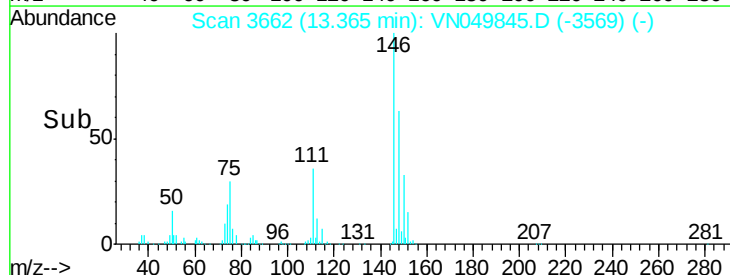
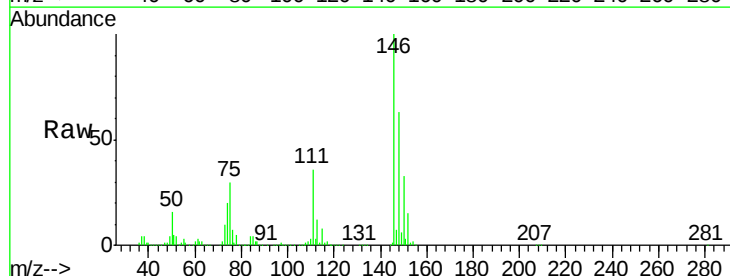
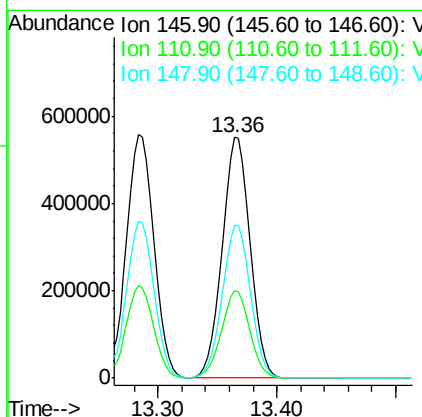
RT: 13.36 min Scan# 3662

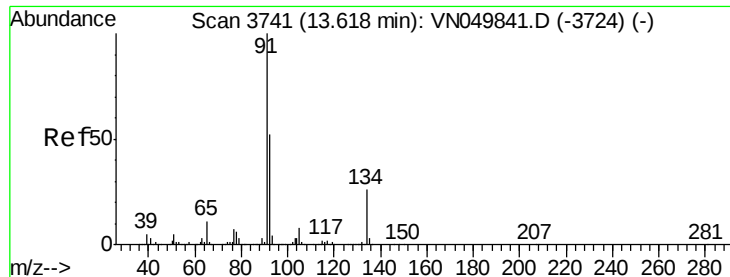
Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	146	Resp:	896153
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.9	56.5
148	64.0	32.1	96.3





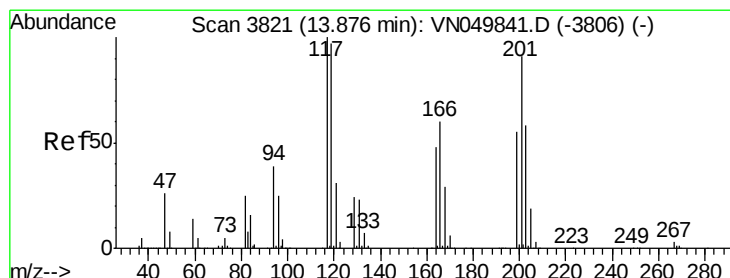
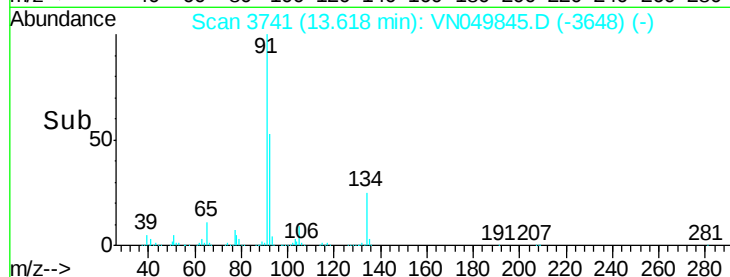
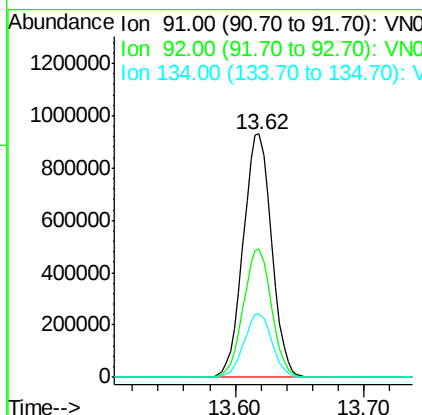
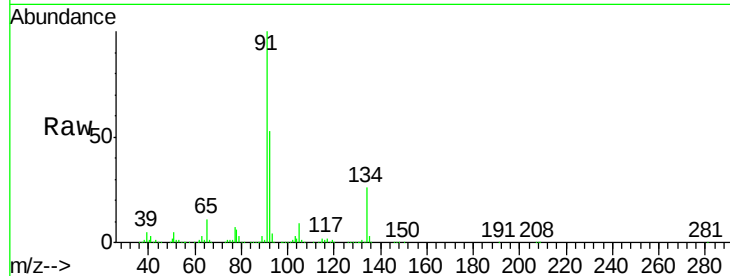
#89
n-Butylbenzene
Concen: 57.20 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampled :
ICVVN071718

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.8	77.3
134	25.9	13.0	38.9

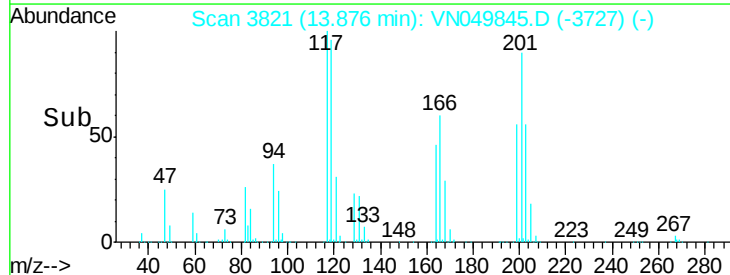
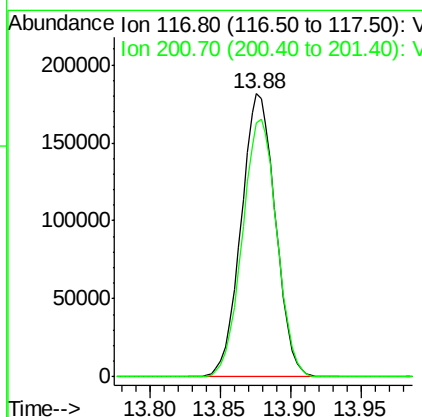
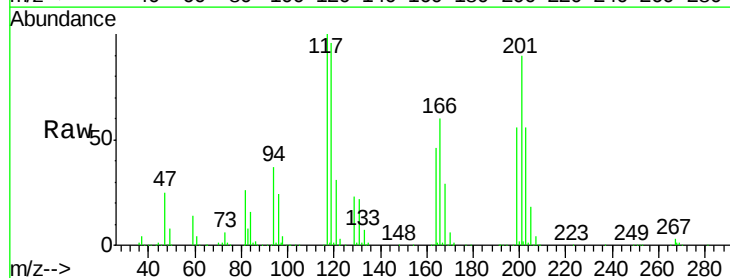
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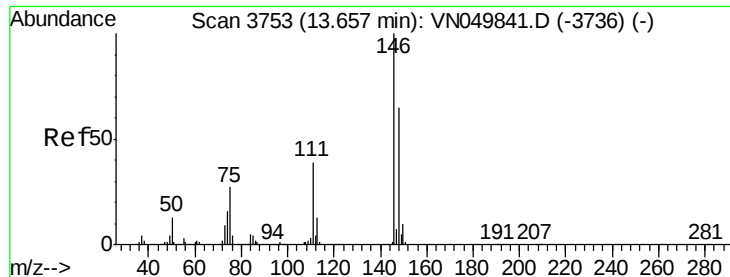
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#90
Hexachloroethane
Concen: 52.74 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	45.3	135.8





#91

1,2-Dichlorobenzene

Concen: 47.86 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Instrument :

MSVOA_N

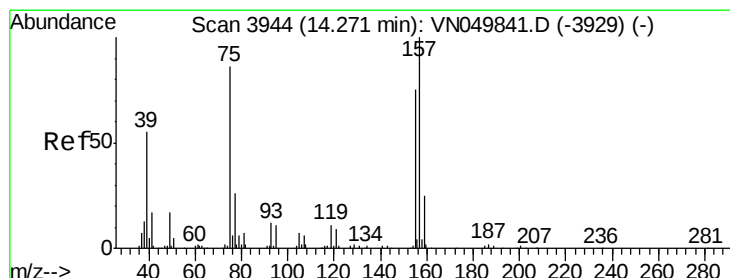
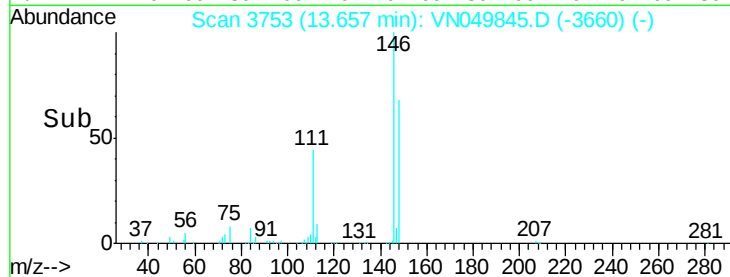
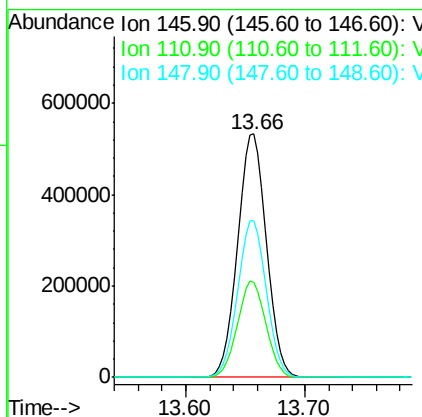
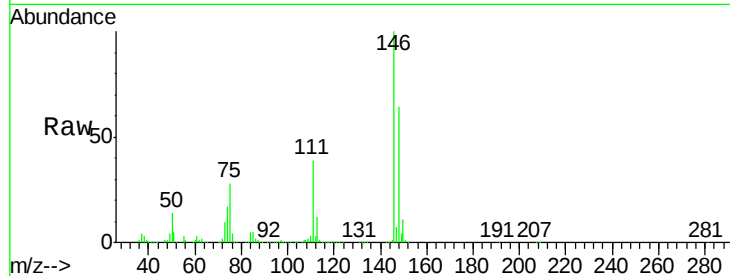
ClientSampleId :

ICVVN071718

Tot Ion:	146	Resp:	893469
Ion Ratio		Lower	Upper
146	100		
111	39.1	19.7	59.1
148	64.1	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.85 ug/l

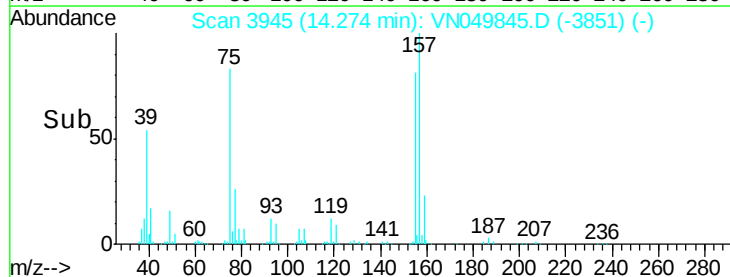
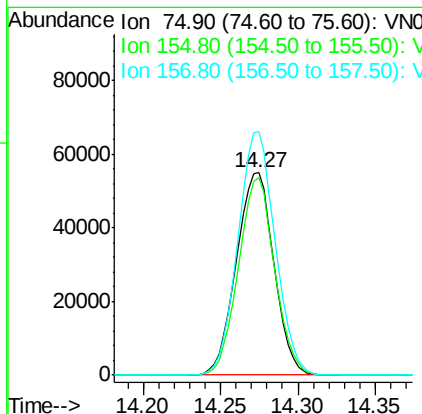
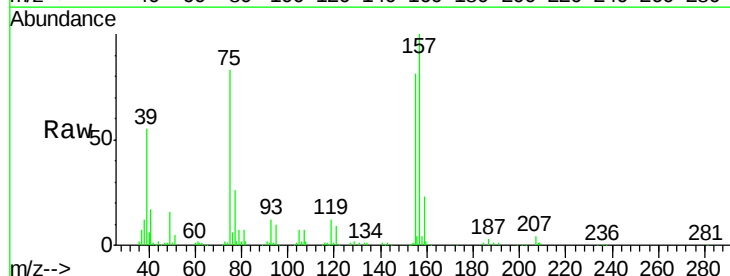
RT: 14.27 min Scan# 3945

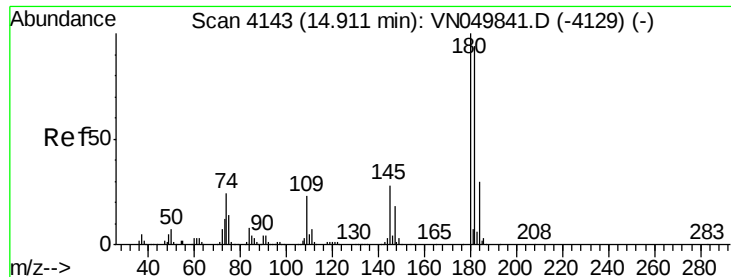
Delta R.T. 0.00 min

Lab File: VN049845.D

Acq: 17 Jul 2018 14:27

Tgt Ion:	75	Resp:	92832
Ion Ratio		Lower	Upper
75	100		
155	93.9	45.7	137.1
157	119.3	56.9	170.7





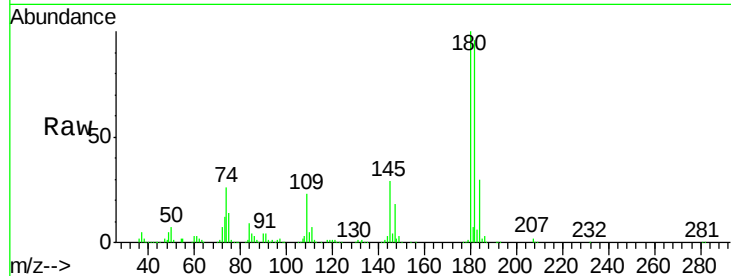
#93
 1,2,4-Trichlorobenzene
 Concen: 60.03 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Tot Ion	Ratio	Resp	Lower	Upper
180	100	499001		
182	95.9	47.3	141.9	
145	28.8	14.4	43.0	

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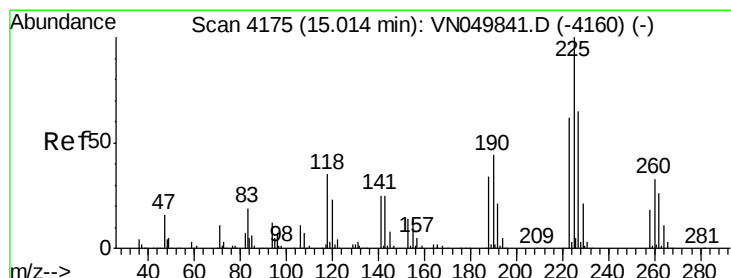
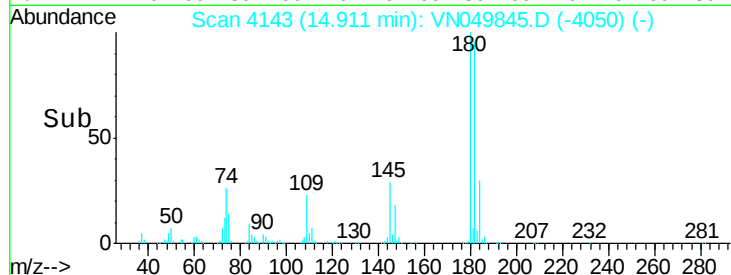
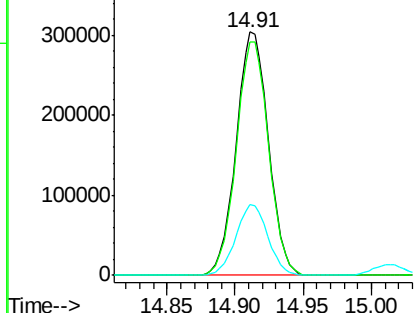


Abundance

Ion 179.80 (179.50 to 180.50): V

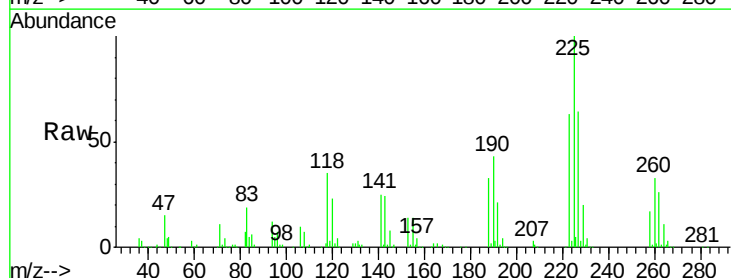
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.75 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049845.D
 Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	290078		
223	62.9	30.9	92.7	
227	63.8	31.8	95.4	

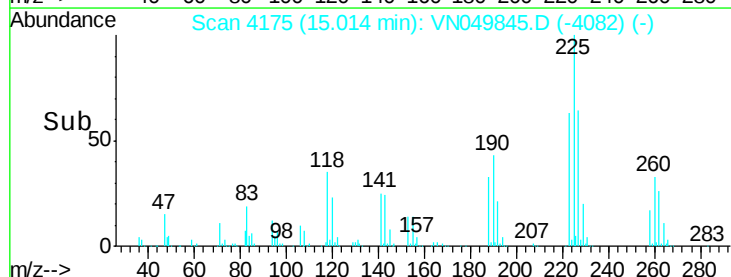
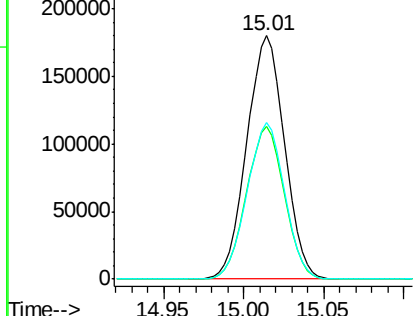


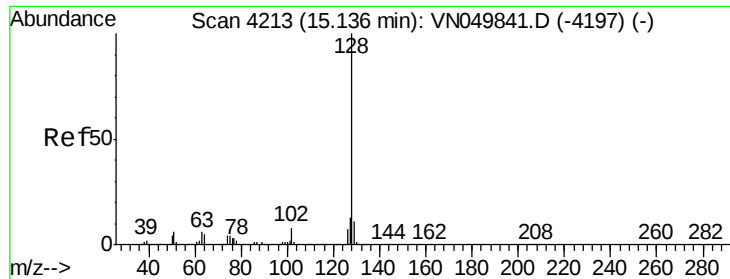
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





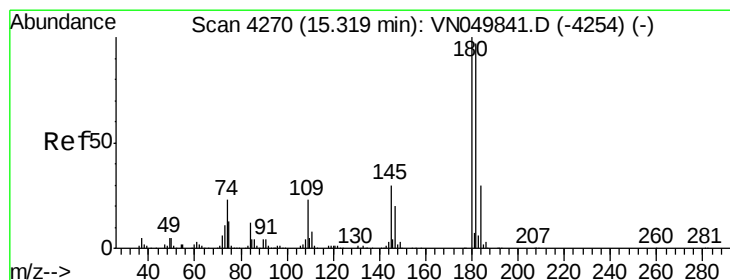
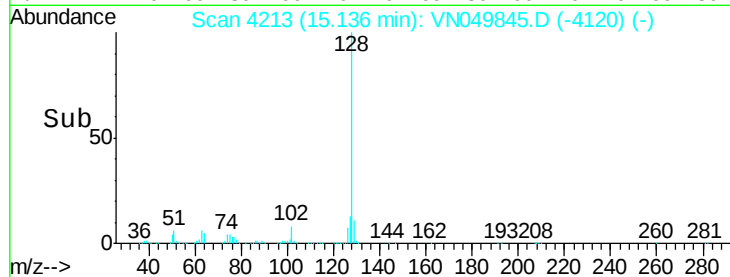
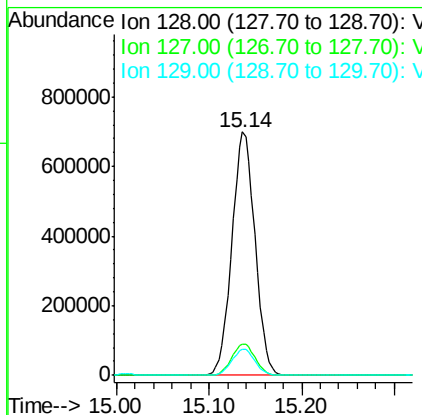
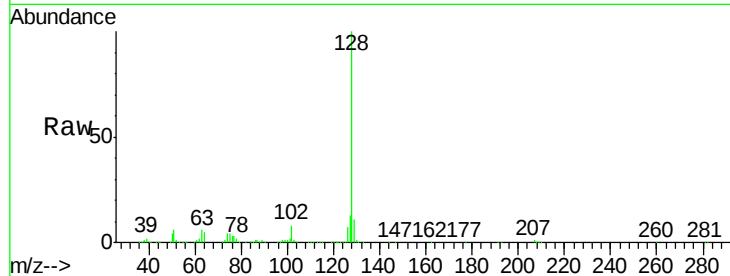
#95
Naphthalene
Concen: 52.20 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071718

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 56.40 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049845.D
Acq: 17 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	30.1	15.2	45.6

