

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049863.D
 Acq On : 18 Jul 2018 10:15
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:51 PM

Quant Time: Jul 18 13:00:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	398734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	630540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	543207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	208889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	5658	1.38	ug/l	94
3) Chloromethane	2.06	50	6910	1.31	ug/l	99
4) Vinyl Chloride	2.18	62	6742	1.18	ug/l	93
5) Bromomethane	2.57	94	5031	1.39	ug/l	96
6) Chloroethane	2.70	64	4827	1.33	ug/l	91
7) Trichlorofluoromethane	3.02	101	9762	1.27	ug/l	83
8) Diethyl Ether	3.41	74	3137	1.14	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.75	101	6047	1.31	ug/l	97
12) 1,1-Dichloroethene	3.73	96	4969	1.19	ug/l	90
14) Allyl chloride	4.32	41	7252	1.10	ug/l #	79
15) Acrylonitrile	5.00	53	7902	4.43	ug/l #	90
16) Acetone	3.83	43	9940	6.68	ug/l	93
17) Carbon Disulfide	4.04	76	15900	1.26	ug/l	98
18) Methyl Acetate	4.34	43	9147m	1.64	ug/l	
19) Methyl tert-butyl Ether	5.04	73	10766m	0.93	ug/l	
20) Methylene Chloride	4.54	84	7371m	1.44	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	4913	1.12	ug/l #	78
22) Diisopropyl ether	5.96	45	11670	0.88	ug/l #	86
23) Vinyl Acetate	5.90	43	39851	4.10	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	9835	1.16	ug/l #	95
25) 2-Butanone	6.84	43	9908	4.51	ug/l	97
26) 2,2-Dichloropropane	6.82	77	7855	1.22	ug/l	77
27) cis-1,2-Dichloroethene	6.82	96	4677m	0.95	ug/l	
28) Bromochloromethane	7.20	49	3821	0.97	ug/l #	99
29) Tetrahydrofuran	7.22	42	5593	4.00	ug/l #	84
30) Chloroform	7.37	83	10129	1.16	ug/l	100
31) Cyclohexane	7.66	56	13191	1.64	ug/l #	36
32) 1,1,1-Trichloroethane	7.57	97	9137	1.23	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	6581	0.99	ug/l	95
37) Ethyl Acetate	6.94	43	4533m	0.91	ug/l	
38) Carbon Tetrachloride	7.77	117	7961	1.13	ug/l	94
39) Methylcyclohexane	9.08	83	6788	0.99	ug/l	93
40) Benzene	8.04	78	20939	1.04	ug/l	95
41) Methacrylonitrile	7.18	41	1913	0.75	ug/l #	94

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

42) 1,2-Dichloroethane	8.13	62	7182	1.04	ug/l	84
43) Isopropyl Acetate	8.17	43	6395	0.76	ug/l #	83
44) Trichloroethene	8.83	130	5562	1.05	ug/l	96
45) 1,2-Dichloropropane	9.12	63	6040	1.12	ug/l	96
46) Dibromomethane	9.22	93	3700	1.08	ug/l	87
47) Bromodichloromethane	9.40	83	7058	1.01	ug/l	93
48) Methyl methacrylate	9.20	41	3742	0.89	ug/l #	86
49) 1,4-Dioxane	9.19	88	1009m	15.86	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	16679	3.35	ug/l	97
52) Toluene	10.16	92	10234	0.84	ug/l	93
53) t-1,3-Dichloropropene	10.39	75	6403	0.94	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	6476	0.85	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	5562	1.12	ug/l	89
56) Ethyl methacrylate	10.43	69	4119	0.68	ug/l	94
57) 1,3-Dichloropropane	10.71	76	7626	0.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	7070	2.49	ug/l	97
59) 2-Hexanone	10.75	43	10809	3.17	ug/l	89
60) Dibromochloromethane	10.90	129	5447	0.98	ug/l	98
61) 1,2-Dibromoethane	11.00	107	4378	0.90	ug/l	96
64) Tetrachloroethene	10.63	164	5256	1.14	ug/l	95
65) Chlorobenzene	11.43	112	13740	1.07	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	5691	1.15	ug/l #	66
67) Ethyl Benzene	11.51	91	18398	0.89	ug/l	95
68) m/p-Xylenes	11.63	106	12398	1.58	ug/l	97
69) o-Xylene	11.95	106	6100	0.81	ug/l	99
70) Styrene	11.96	104	8444	0.70	ug/l	94
71) Bromoform	12.13	173	3227	0.85	ug/l #	96
73) Isopropylbenzene	12.25	105	14582	0.96	ug/l	100
74) N-amyl acetate	12.07	43	4026	0.81	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.50	83	5830	1.20	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	4542m	1.11	ug/l	
77) Bromobenzene	12.53	156	4691	1.13	ug/l	91
78) n-propylbenzene	12.59	91	15865	0.93	ug/l	94
79) 2-Chlorotoluene	12.67	91	10296	0.98	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	10463	0.88	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1228	0.98	ug/l #	90
82) 4-Chlorotoluene	12.78	91	9668	0.93	ug/l	95
83) tert-Butylbenzene	13.00	119	10024	0.96	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	9922	0.82	ug/l	97
85) sec-Butylbenzene	13.17	105	11371	0.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	9219	0.78	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	7742	1.09	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	8339m	1.19	ug/l	
89) n-Butylbenzene	13.62	91	7303	0.75	ug/l	93
90) Hexachloroethane	13.88	117	3671	1.38	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	7927	1.09	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	879	1.08	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	2224	0.69	ug/l	94
94) Hexachlorobutadiene	15.01	225	3146	1.39	ug/l	95
95) Naphthalene	15.14	128	3905	0.51	ug/l #	92

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ClientSampleId :
VSTDICC001

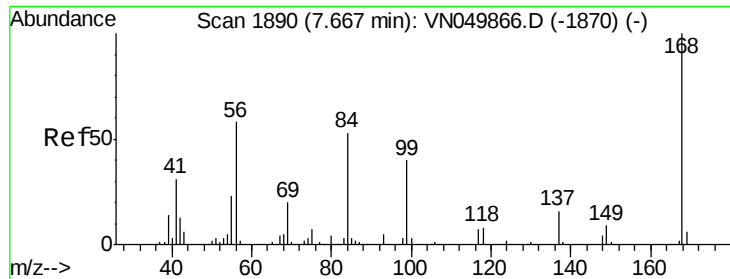
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	3035	0.89	ug/l	83

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 398734

Ion Ratio Lower Upper

168 100

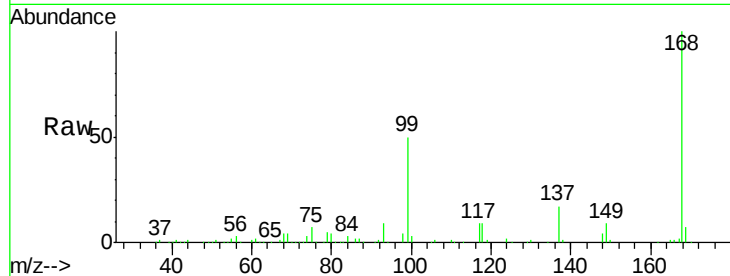
99 50.2 40.6 61.0

Manual Integrations

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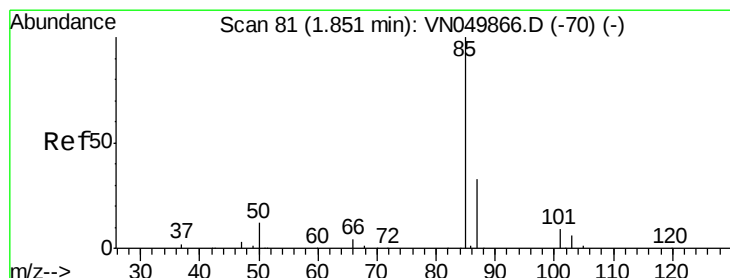
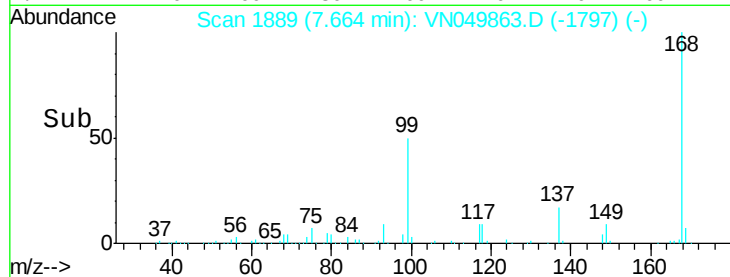
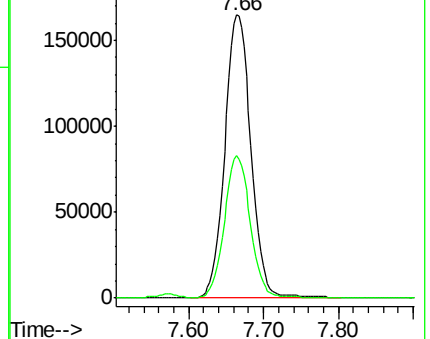
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 1.38 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049863.D

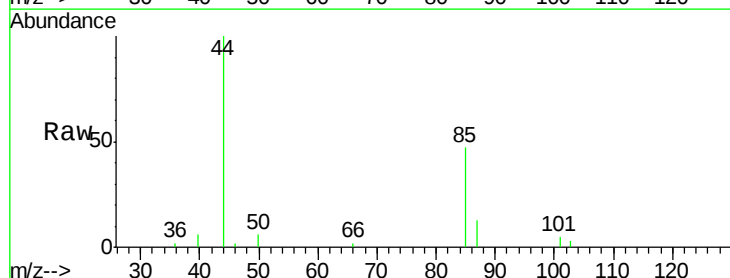
Acq: 18 Jul 2018 10:15

Tgt Ion: 85 Resp: 5658

Ion Ratio Lower Upper

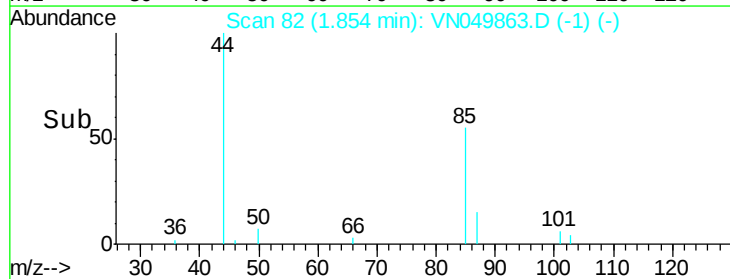
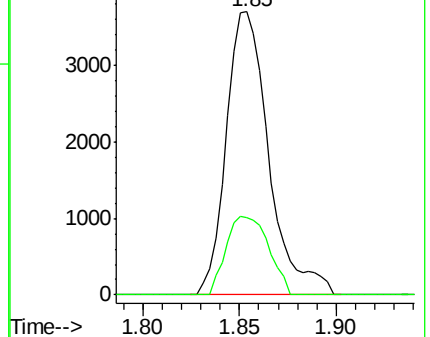
85 100

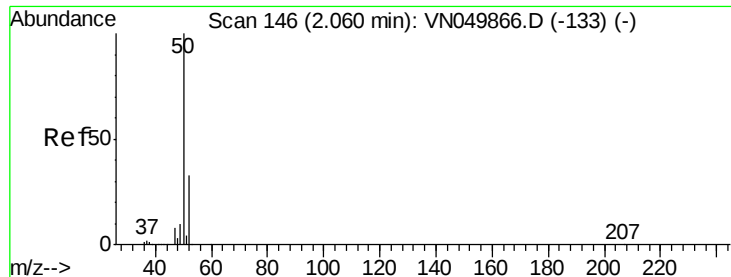
87 27.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 1.31 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6910

Ion Ratio Lower Upper

50 100

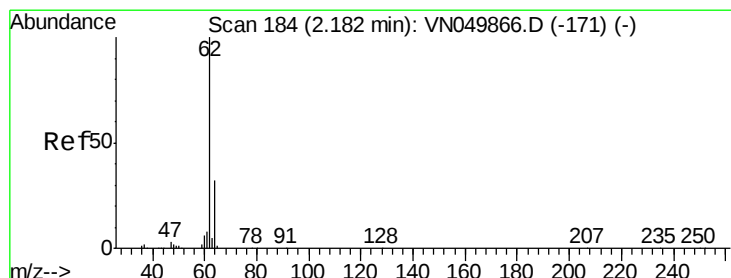
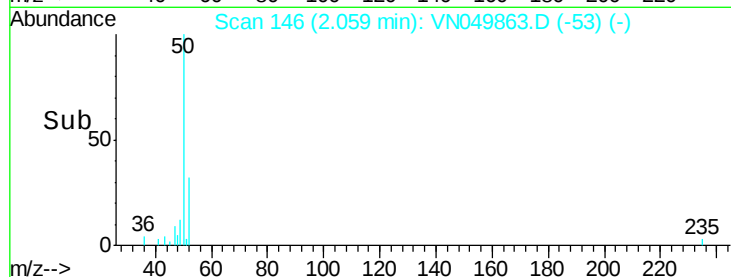
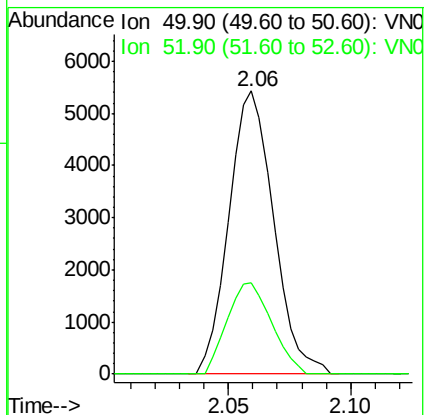
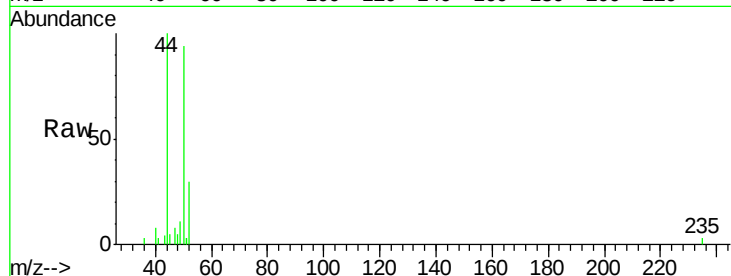
52 32.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.18 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049863.D

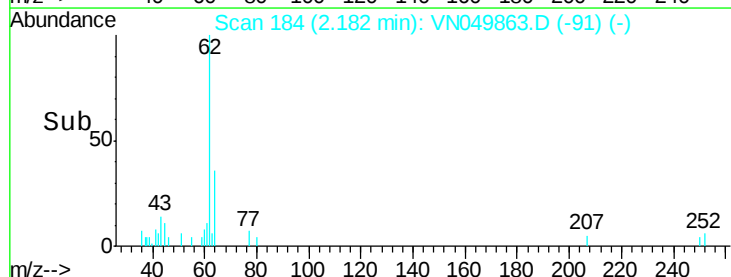
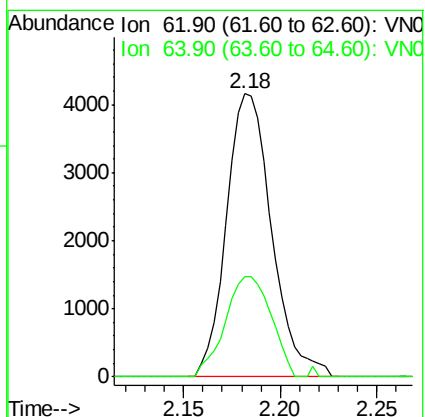
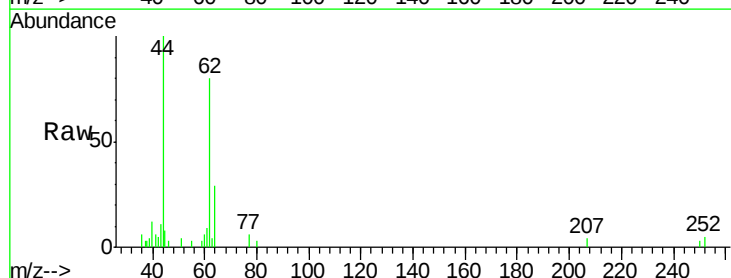
Acq: 18 Jul 2018 10:15

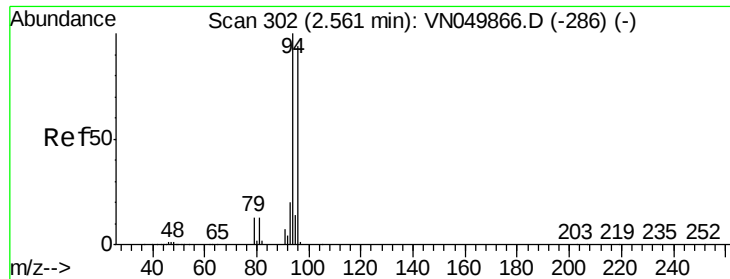
Tgt Ion: 62 Resp: 6742

Ion Ratio Lower Upper

62 100

64 35.6 25.4 38.0





#5

Bromomethane

Concen: 1.39 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 5031

Ion Ratio Lower Upper

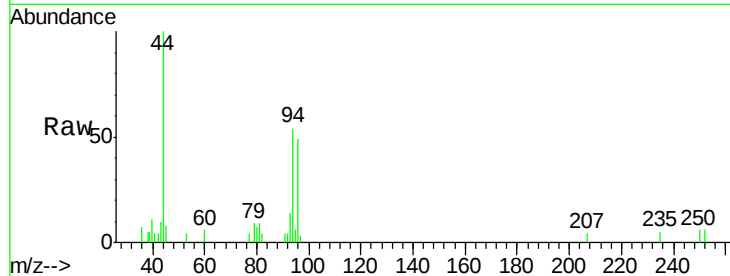
94 100

96 90.9 75.7 113.5

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN049866.D (-286) (-)

Ion 95.90 (95.60 to 96.60): VN049866.D (-286) (-)

2.57

2500

2000

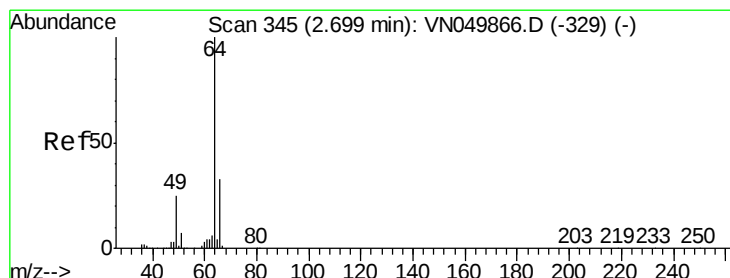
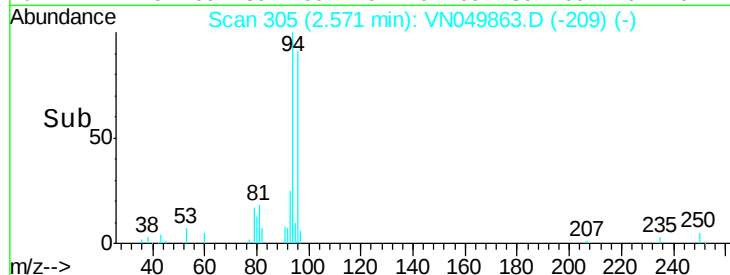
1500

1000

500

0

Time-->



#6

Chloroethane

Concen: 1.33 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049863.D

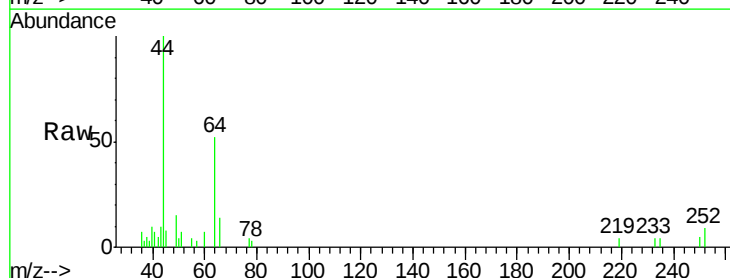
Acq: 18 Jul 2018 10:15

Tgt Ion: 64 Resp: 4827

Ion Ratio Lower Upper

64 100

66 27.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049866.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN049866.D (-329) (-)

2.70

3000

2500

2000

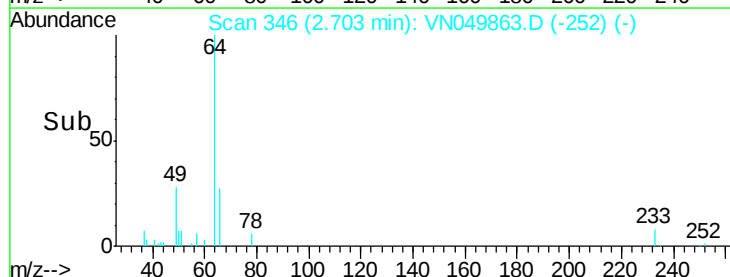
1500

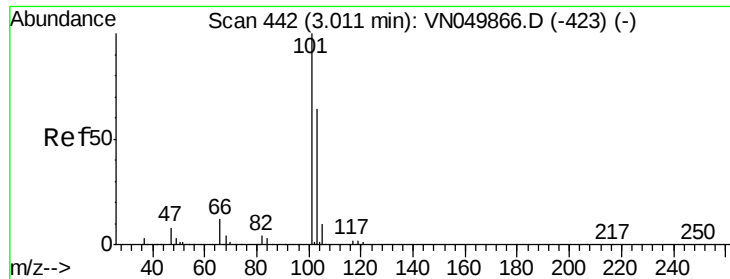
1000

500

0

Time-->





#7

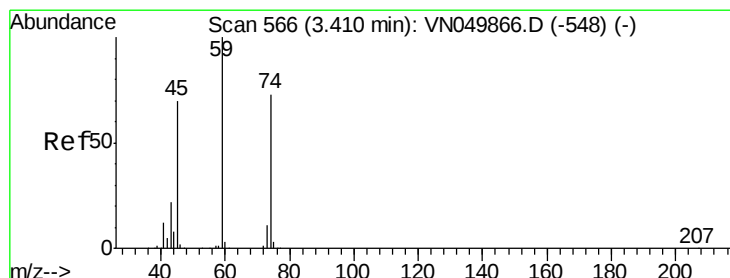
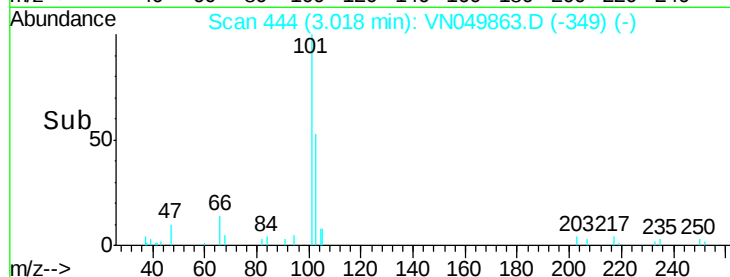
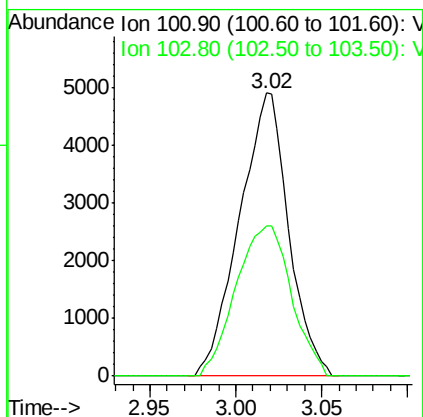
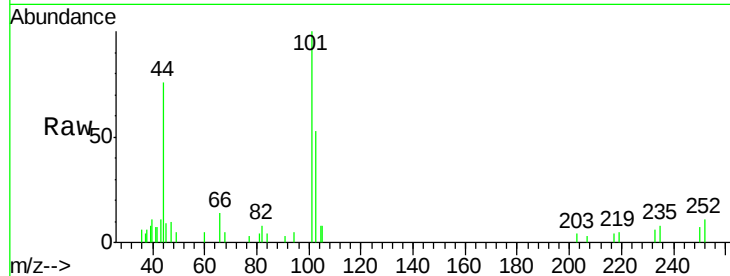
Trichlorofluoromethane
Concen: 1.27 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	52.9	52.8	79.2

Manual Integrations
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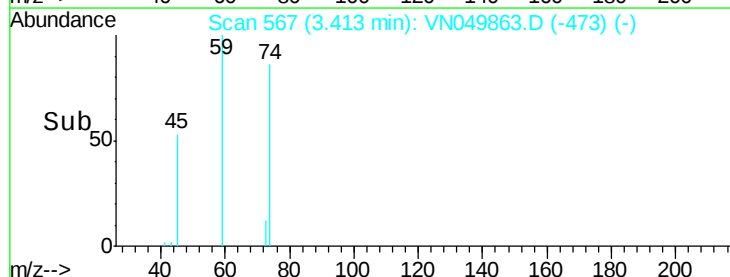
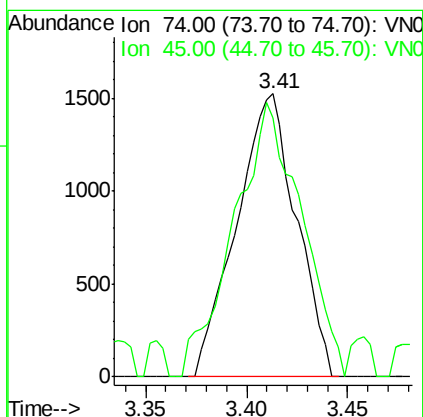
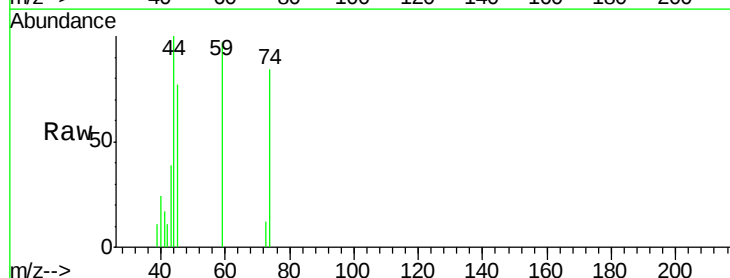
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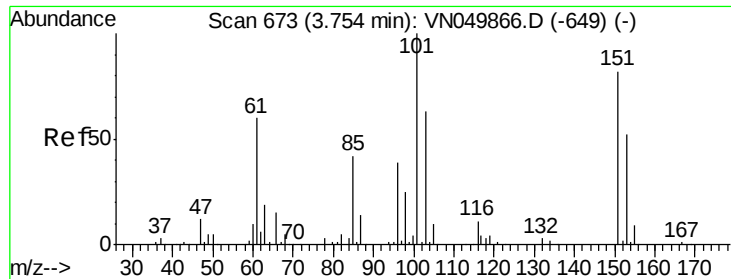


#8

Diethyl Ether
Concen: 1.14 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	48.4	145.2





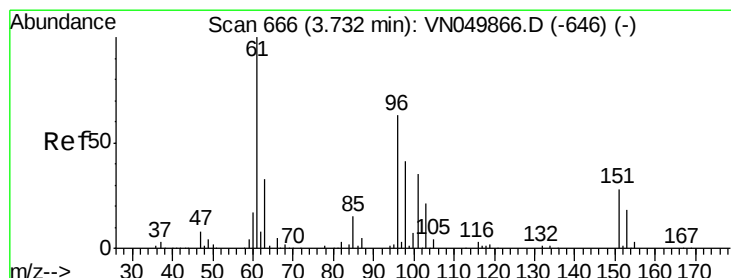
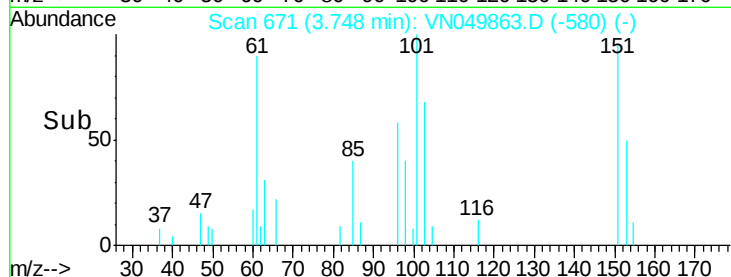
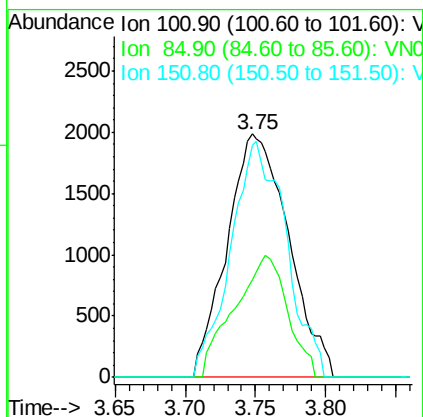
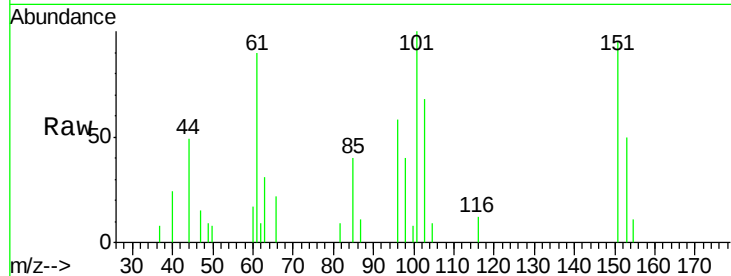
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.31 ug/l
 RT: 3.75 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.4	51.6
151	87.0	66.2	99.4

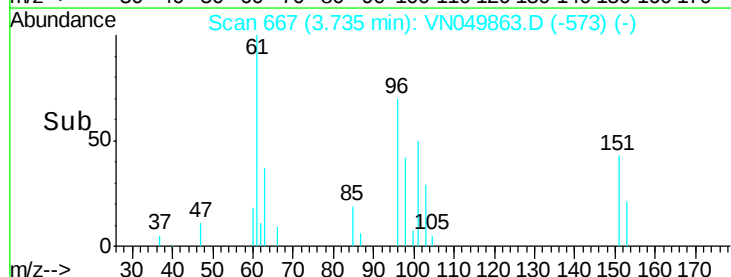
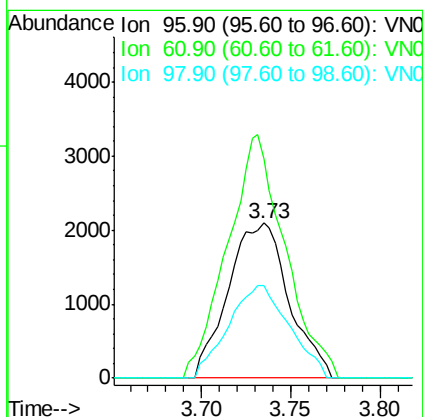
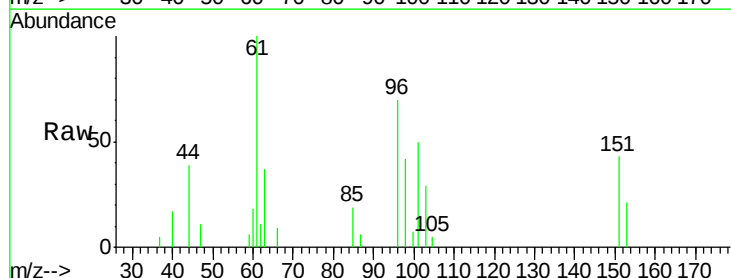
Manual Integrations
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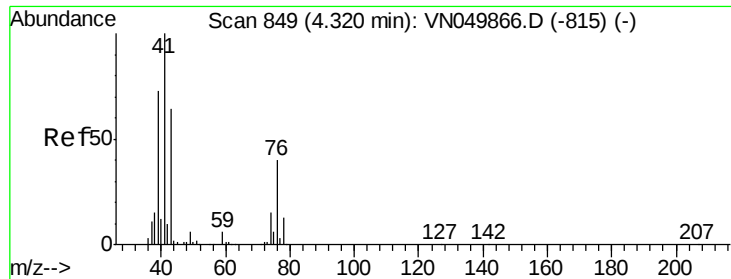
MMDadoda
 7/19/2018 4:28:51 PM



#12
 1,1-Dichloroethene
 Concen: 1.19 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.8	126.5	189.7
98	59.7	51.0	76.6





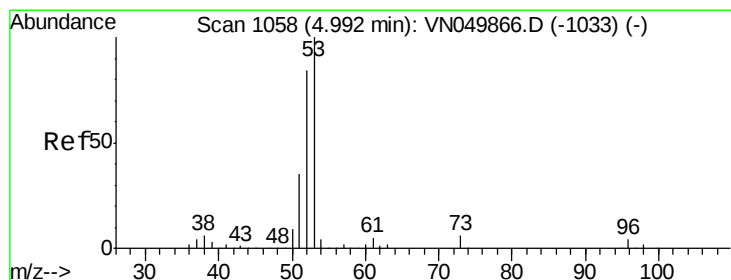
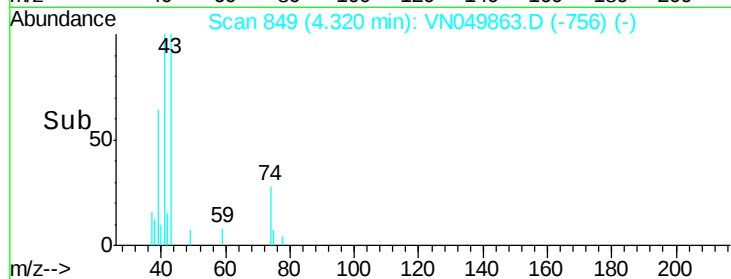
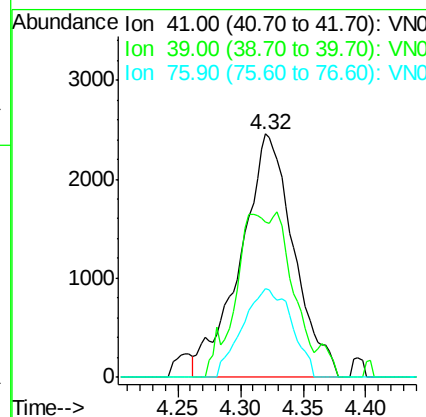
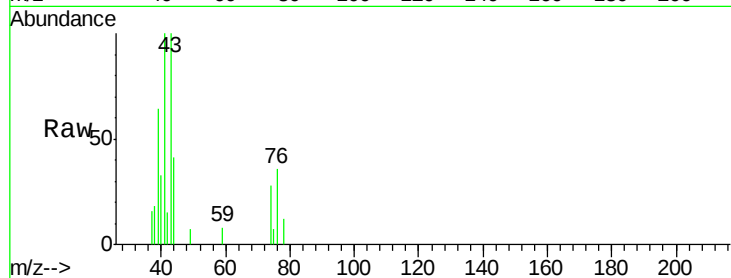
#14
Allvl chloride
Concen: 1.10 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.5	53.2	79.8#
76	33.5	29.0	43.6

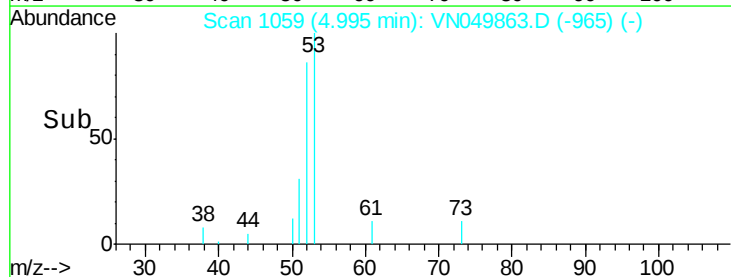
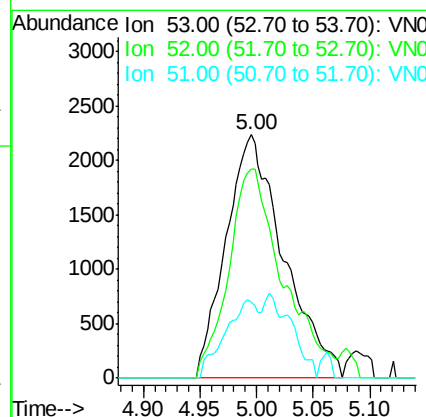
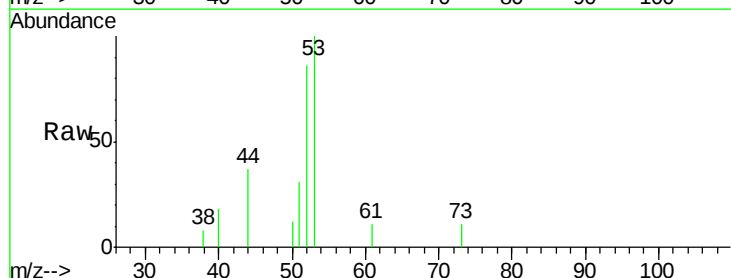
Manual Integrations
APPROVED

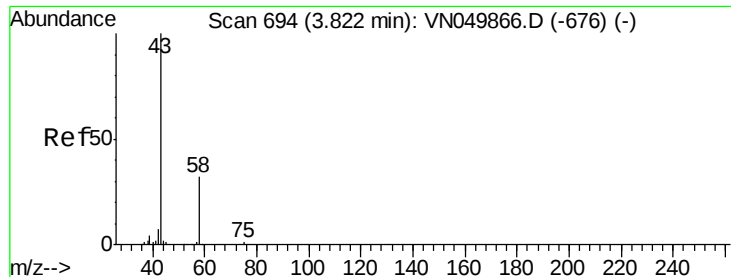
MMDadoda
7/19/2018 4:28:51 PM



#15
Acrylonitrile
Concen: 4.43 ug/l
RT: 5.00 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.8	97.2
51	18.1	28.9	43.3#





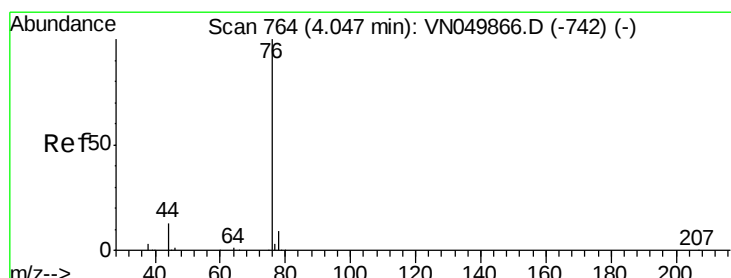
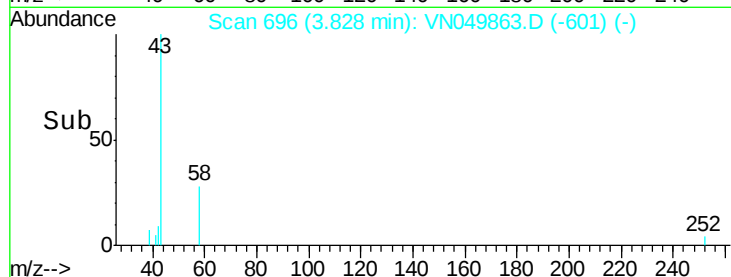
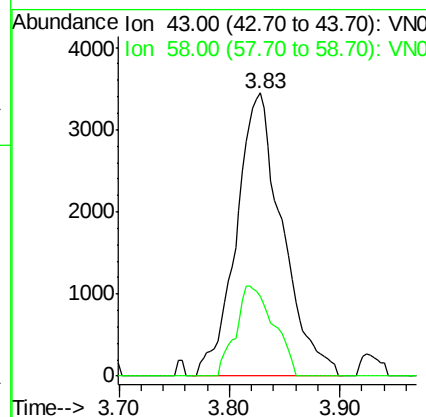
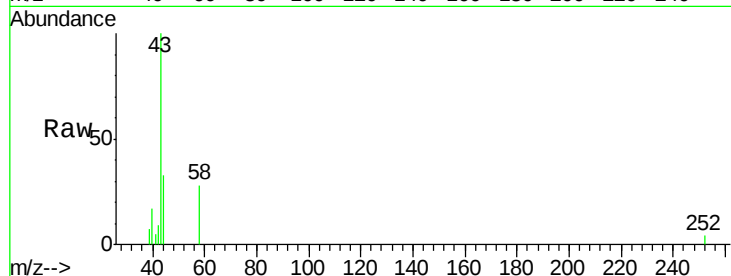
#16
Acetone
Concen: 6.68 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 9940
Ion Ratio Lower Upper
43 100
58 28.3 25.9 38.9

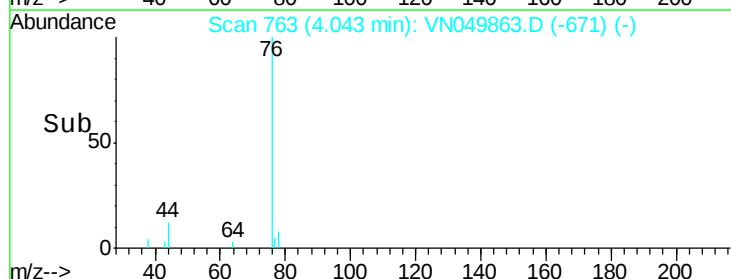
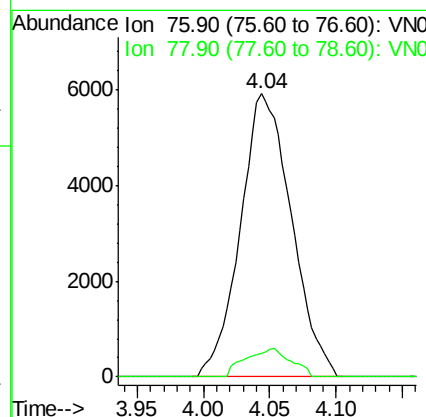
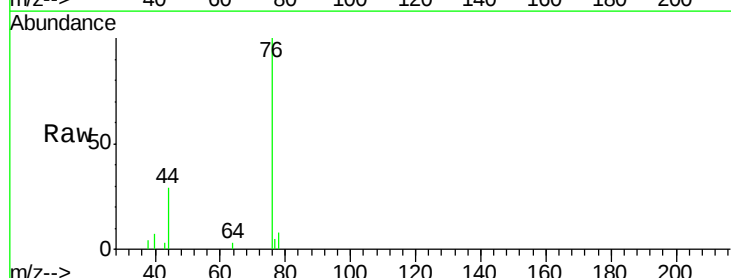
Manual Integrations
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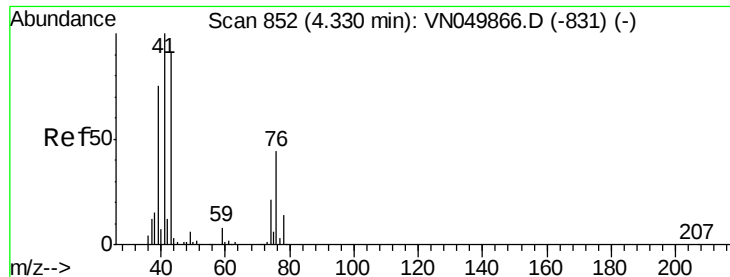
MMDadoda
7/19/2018 4:28:51 PM



#17
Carbon Disulfide
Concen: 1.26 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion: 76 Resp: 15900
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7





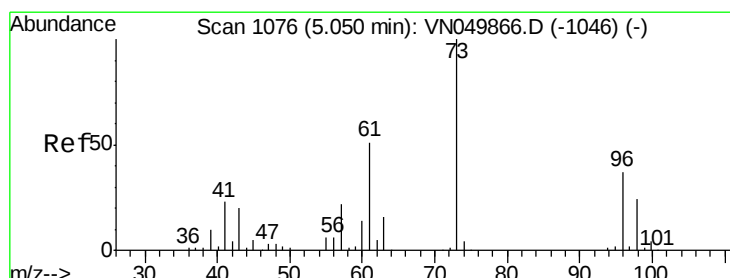
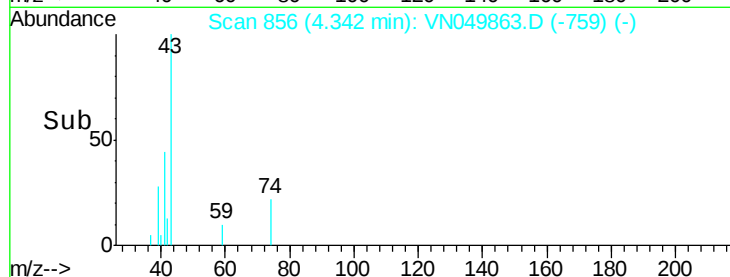
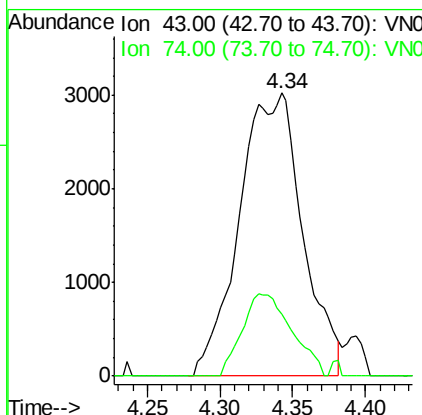
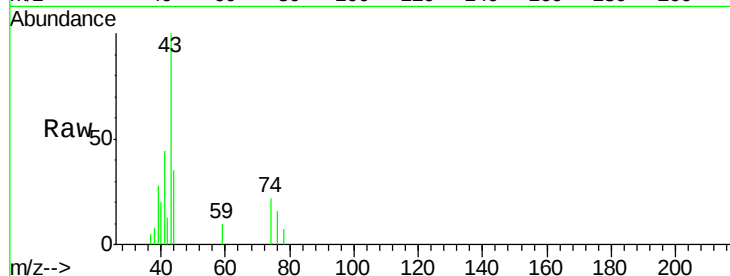
#18
Methyl Acetate
Concen: 1.64 ug/l m
RT: 4.34 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 9147
Ion Ratio Lower Upper
43 100
74 22.8 19.8 29.8

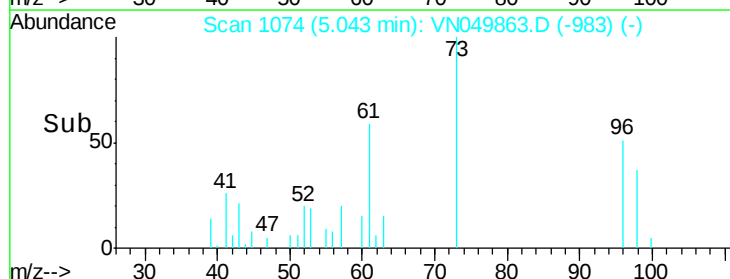
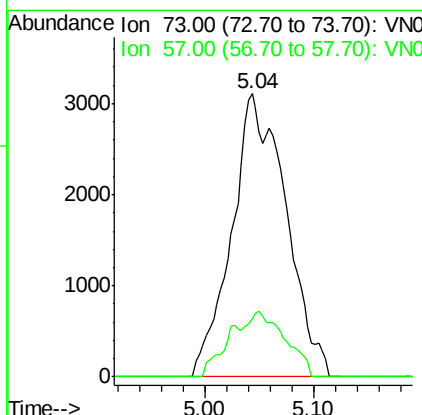
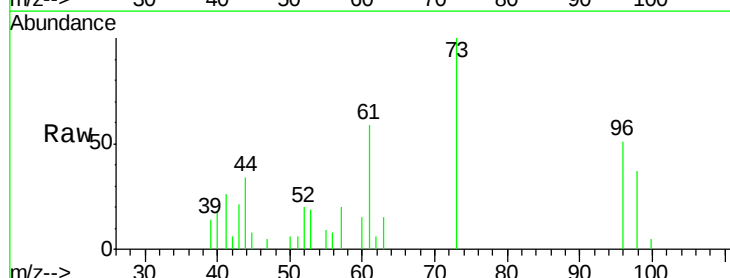
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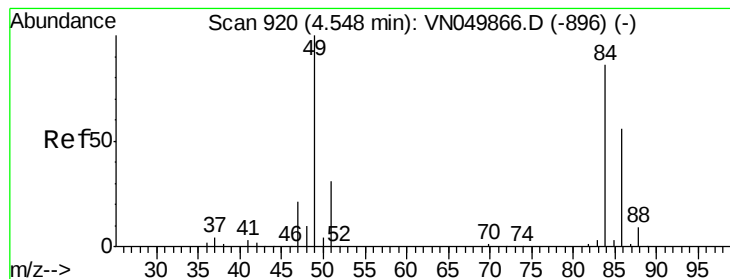
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.93 ug/l m
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion: 73 Resp: 10766
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1





#20

Methylene Chloride

Concen: 1.44 ug/l m

RT: 4.54 min Scan# 918

Delta R.T. -0.01 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 84 Resp: 7371

Ion Ratio Lower Upper

84 100

49 102.2 95.4 143.2

51 31.6 28.4 42.6

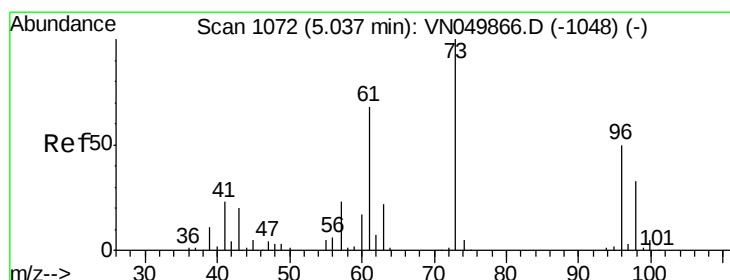
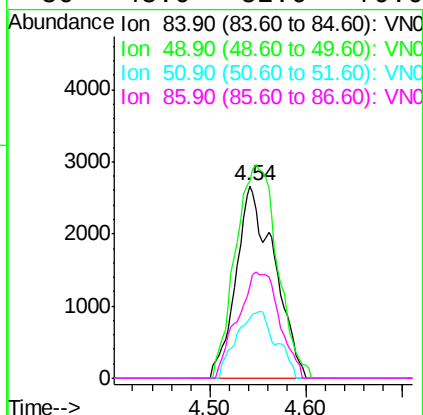
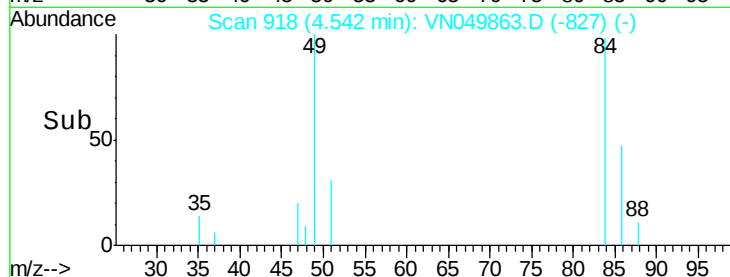
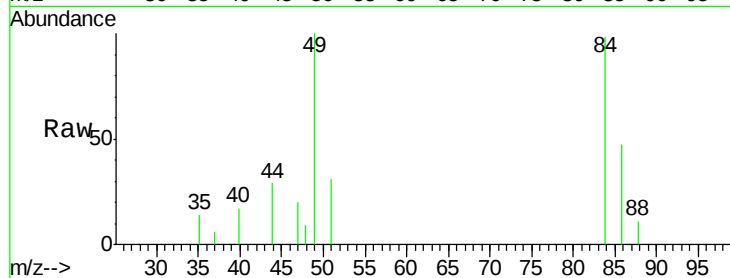
86 48.0 52.6 79.0#

Manual Integrations

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#21

trans-1,2-Dichloroethene

Concen: 1.12 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

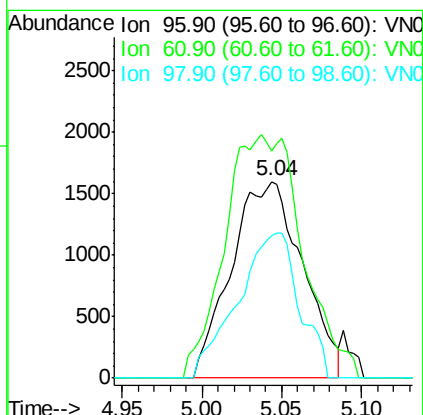
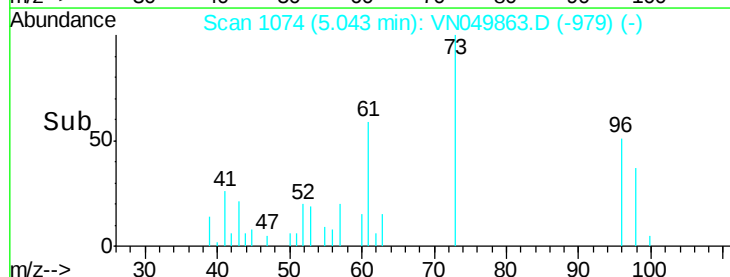
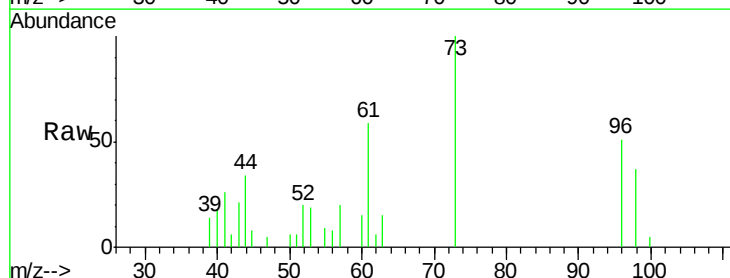
Tgt Ion: 96 Resp: 4913

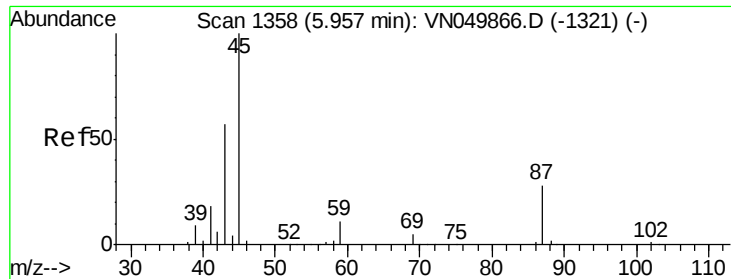
Ion Ratio Lower Upper

96 100

61 103.5 109.0 163.6#

98 72.7 51.1 76.7





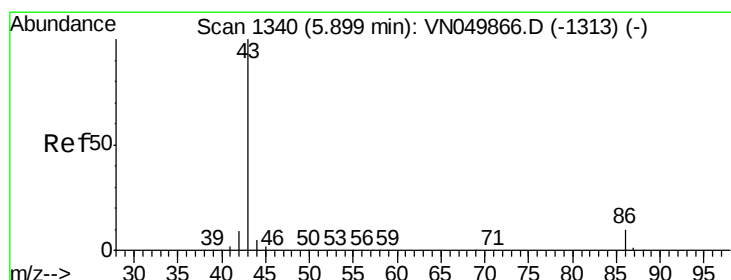
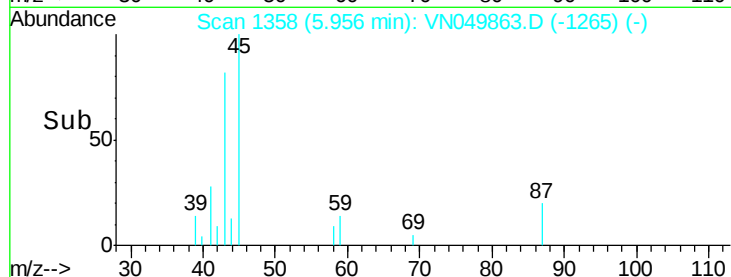
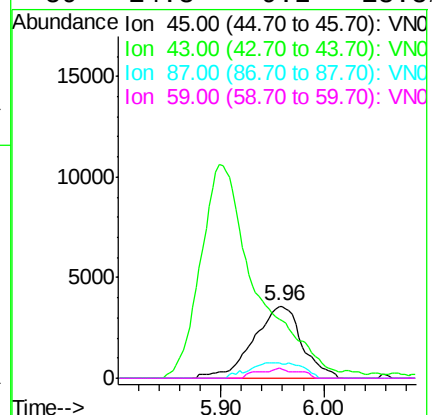
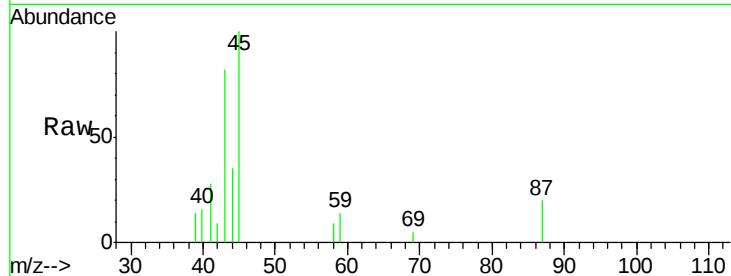
#22
Diisopropyl ether
Concen: 0.88 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
43	71.9	48.1	72.1
87	20.5	22.6	34.0#
59	14.3	9.2	13.8#

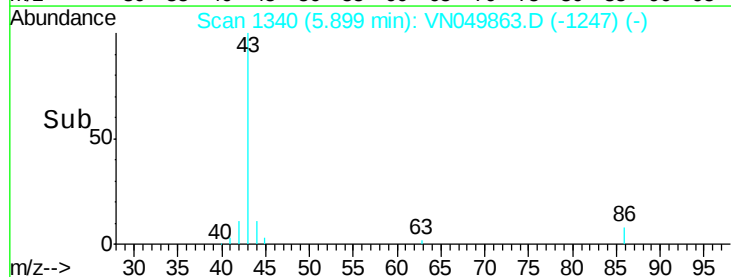
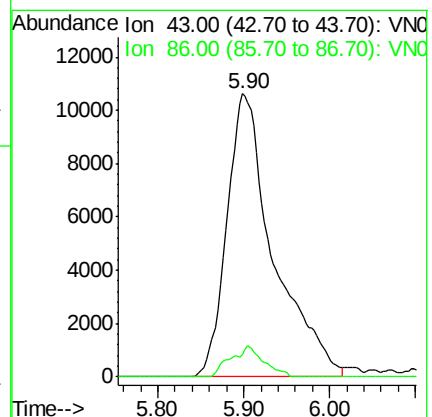
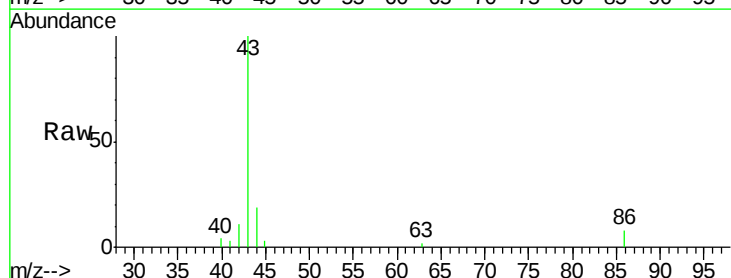
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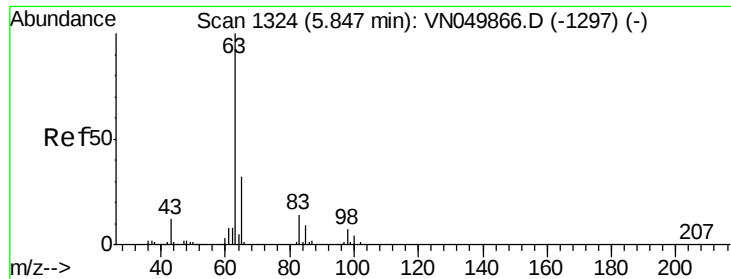
MMDadoda
7/19/2018 4:28:51 PM



#23
Vinyl Acetate
Concen: 4.10 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.7	8.4	12.6#





#24

1,1-Dichloroethane

Concen: 1.16 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

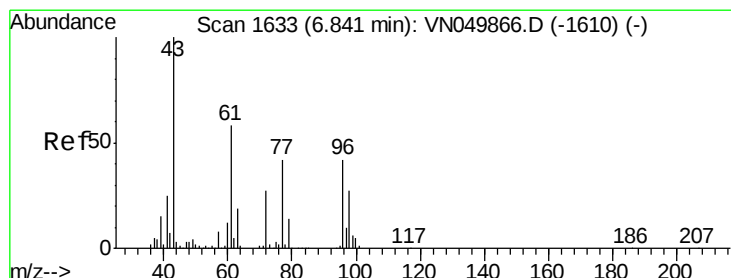
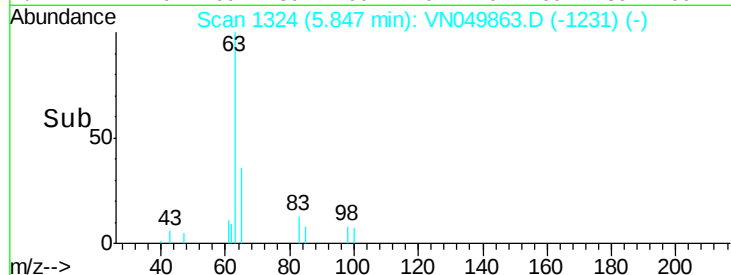
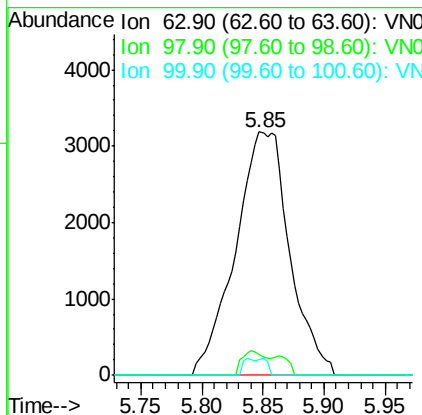
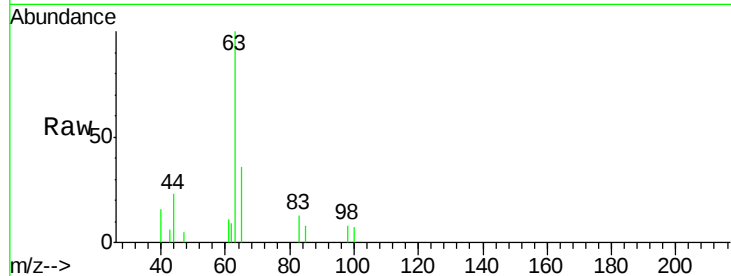
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	9835
Ion Ratio	Lower	Upper	
63	100		
98	8.4	3.4	10.2
100	6.6	2.2	6.6#

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#25

2-Butanone

Concen: 4.51 ug/l

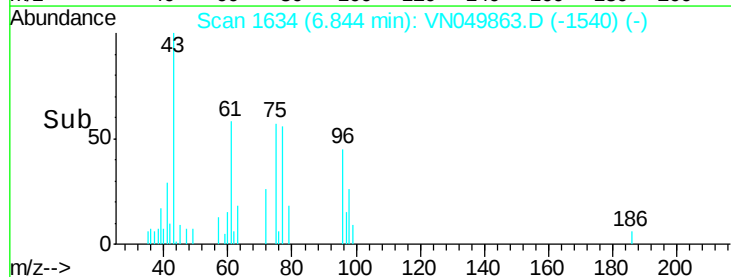
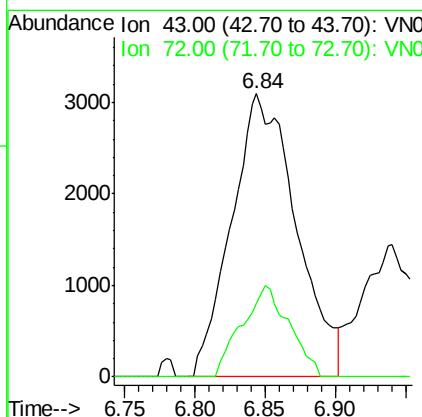
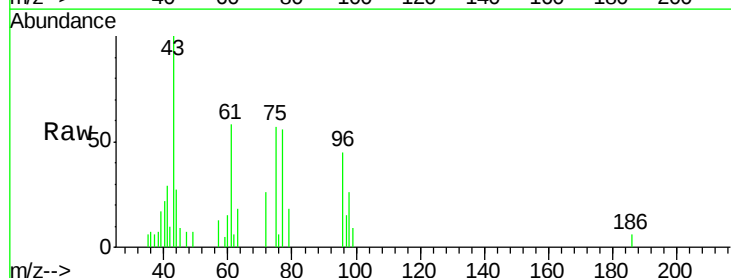
RT: 6.84 min Scan# 1634

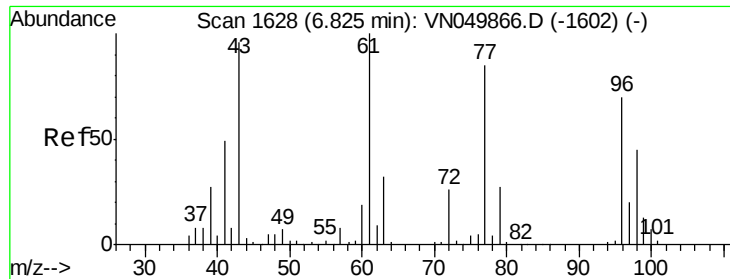
Delta R.T. 0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Tgt Ion:	43	Resp:	9908
Ion Ratio	Lower	Upper	
43	100		
72	25.8	22.1	33.1





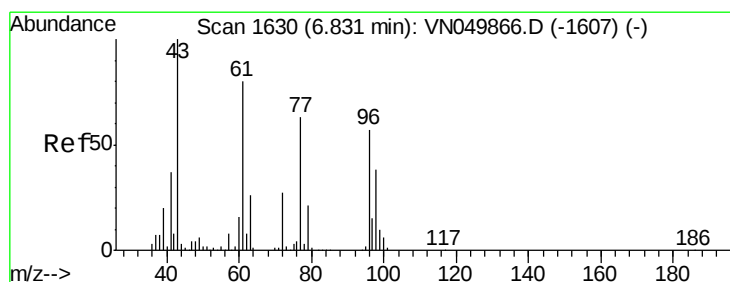
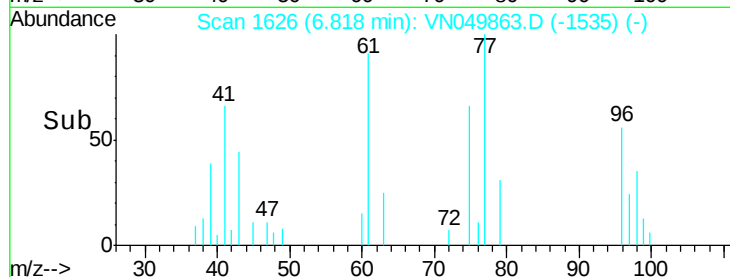
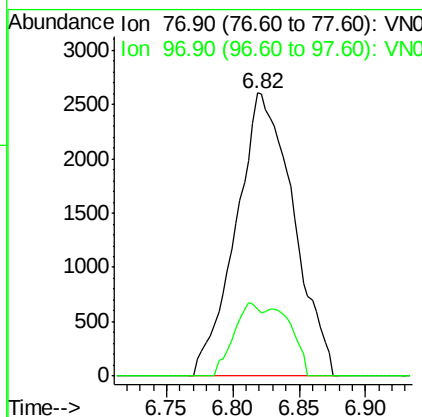
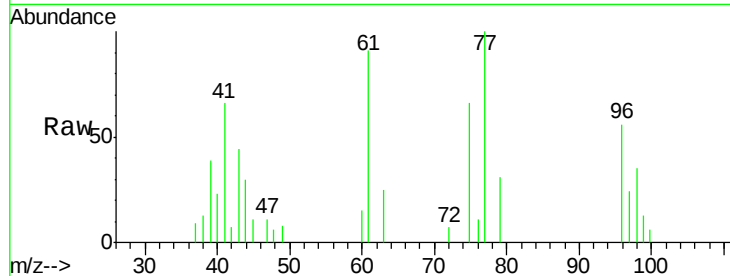
#26
 2,2-Dichloropropane
 Concen: 1.22 ug/l
 RT: 6.82 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 7855
 Ion Ratio Lower Upper
 77 100
 97 12.3 11.9 35.5

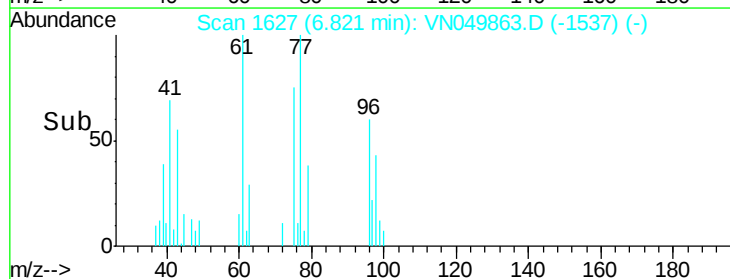
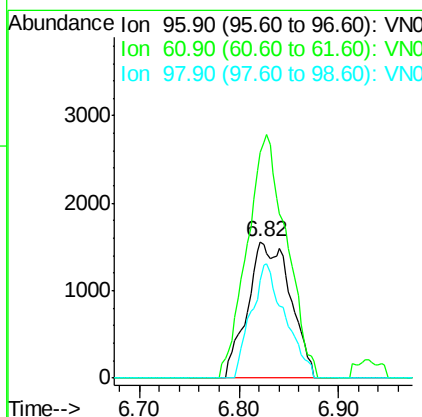
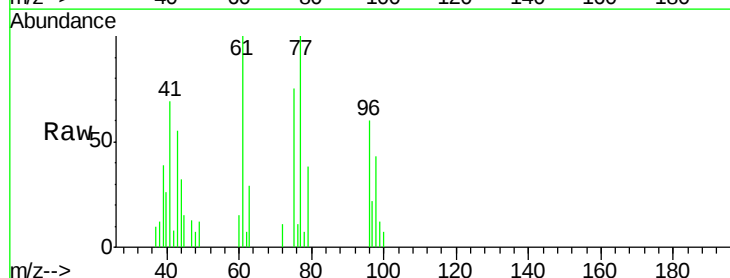
Manual Integrations
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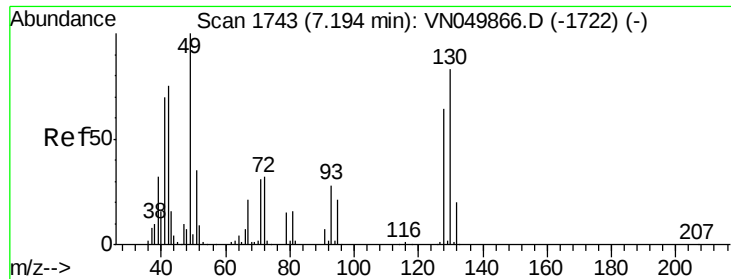
MMDadoda
 7/19/2018 4:28:51 PM



#27
 cis-1,2-Dichloroethene
 Concen: 0.95 ug/l m
 RT: 6.82 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Tgt Ion: 96 Resp: 4677
 Ion Ratio Lower Upper
 96 100
 61 165.1 0.0 289.0
 98 66.6 0.0 130.2





#28

Bromochloromethane

Concen: 0.97 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.01 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

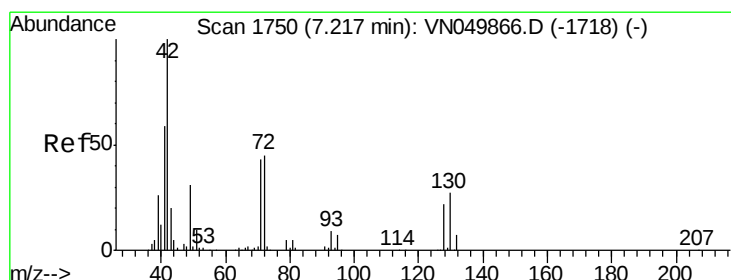
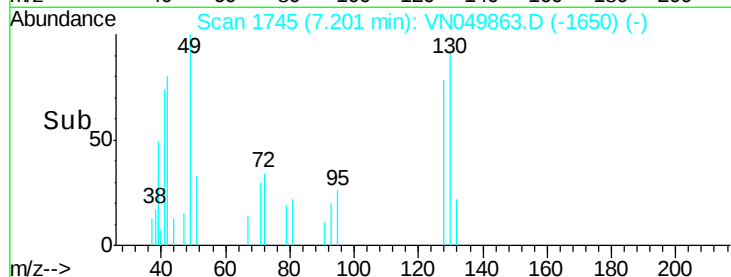
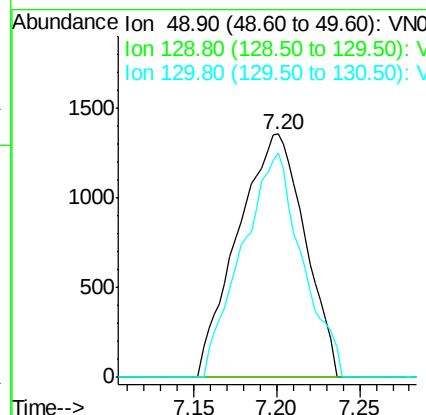
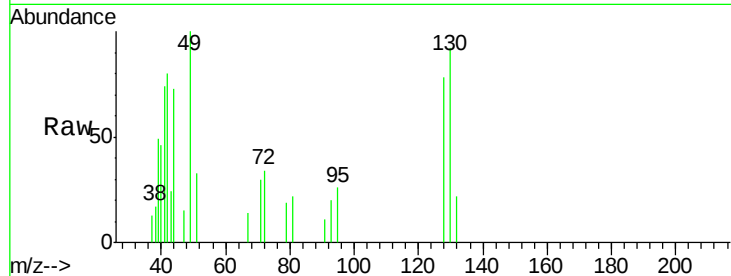
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	82.6	65.5	98.3

Manual Integrations
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#29

Tetrahydrofuran

Concen: 4.00 ug/l

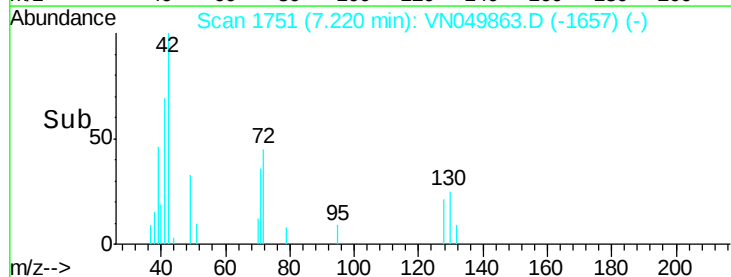
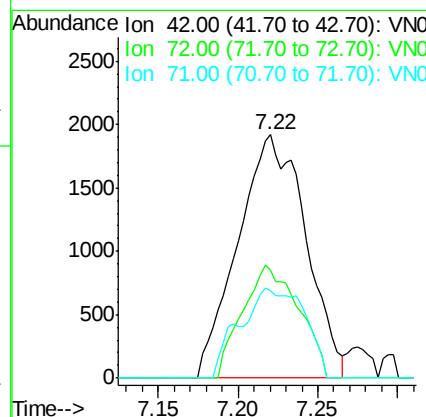
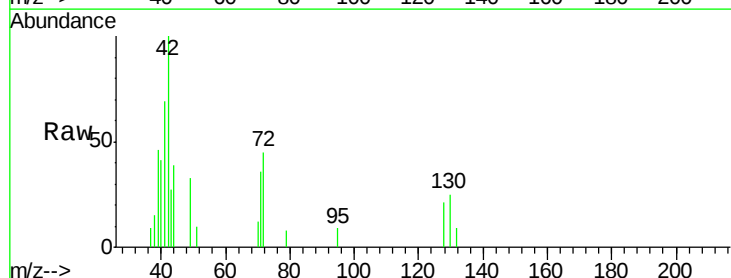
RT: 7.22 min Scan# 1751

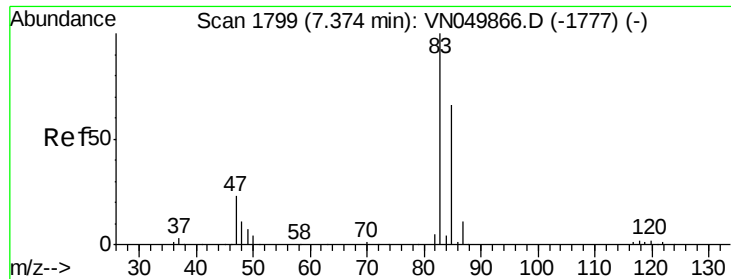
Delta R.T. 0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.3	35.6	53.4
71	28.2	34.0	51.0





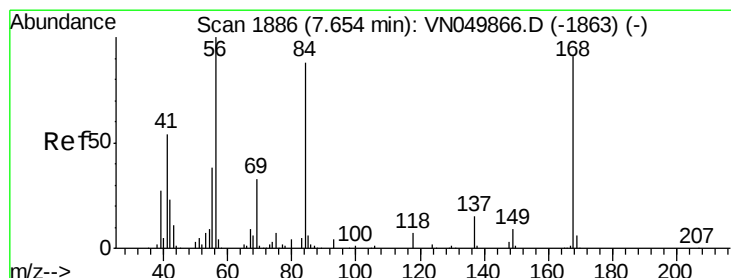
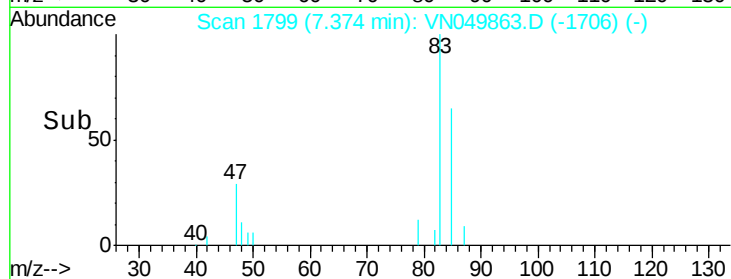
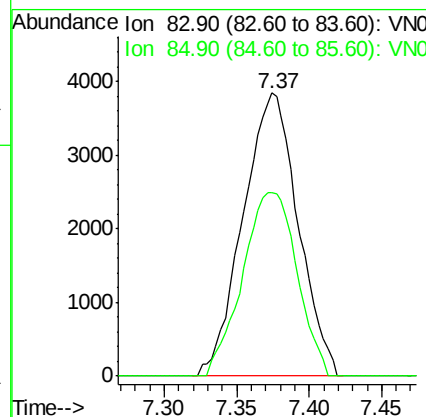
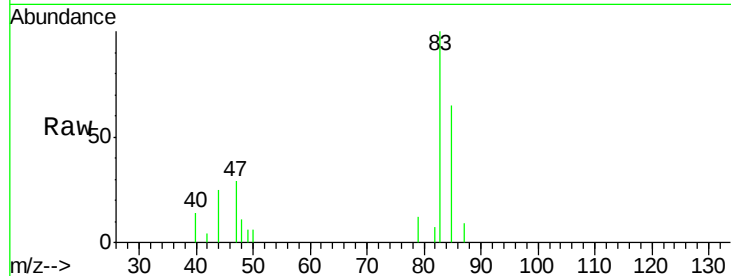
#30
Chloroform
Concen: 1.16 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	10129
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.4	77.2

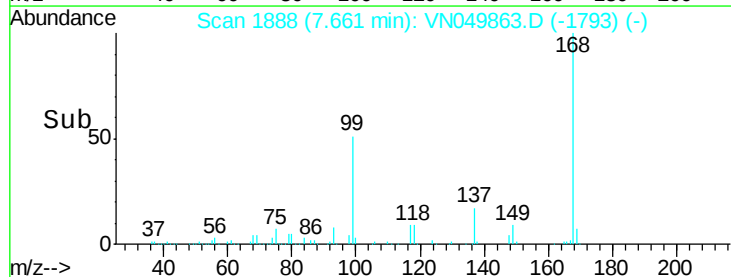
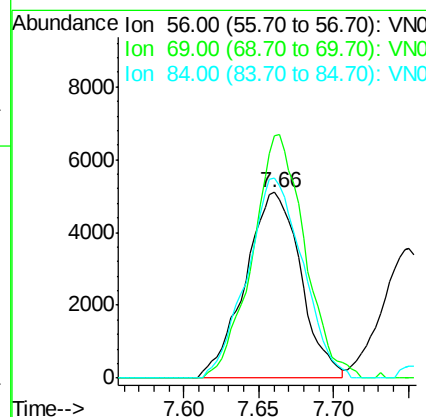
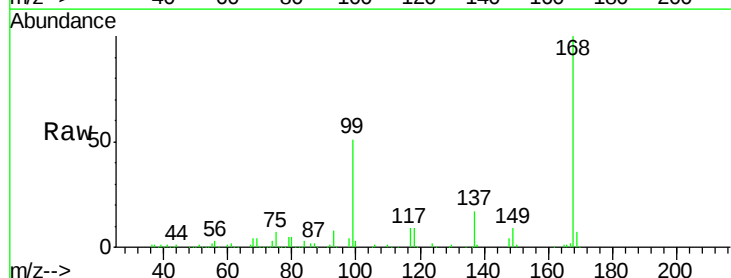
Manual Integrations
APPROVED

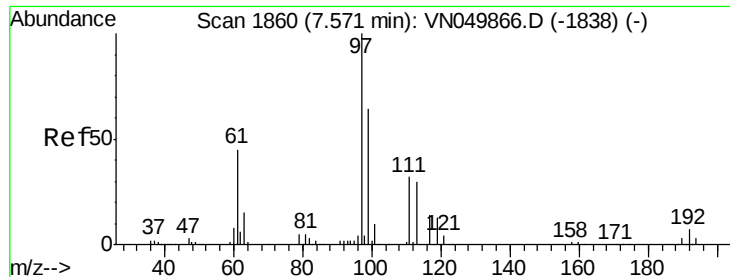
MMDadoda
7/19/2018 4:28:51 PM



#31
Cyclohexane
Concen: 1.64 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	56	Resp	13191
Ion Ratio	Lower	Upper	
56	100		
69	130.7	26.6	40.0#
84	107.4	69.0	103.6#





#32

1,1,1-Trichloroethane

Concen: 1.23 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 9137

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

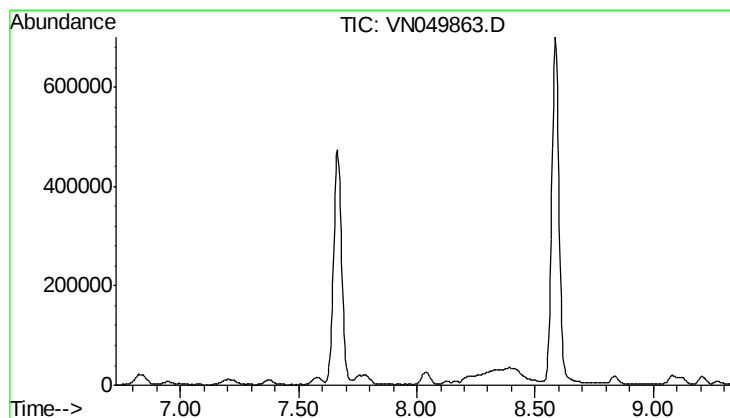
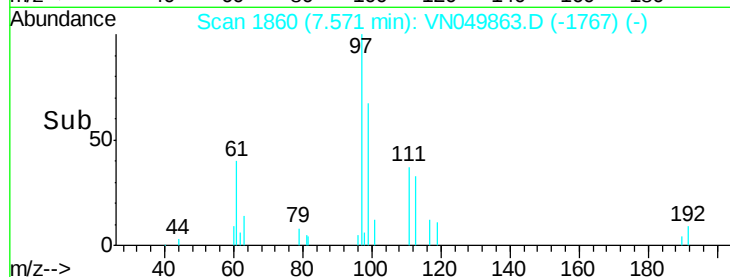
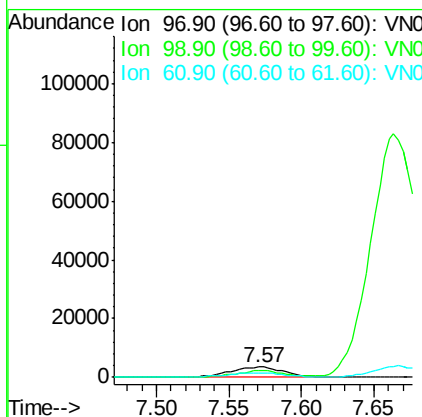
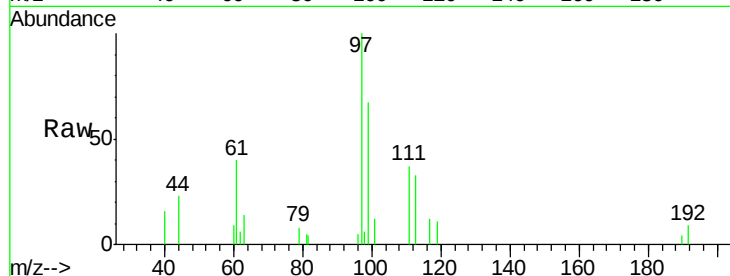
61 44.9 35.5 53.3

Manual Integrations

APPROVED

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#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.03 min

Lab File: VN049863.D

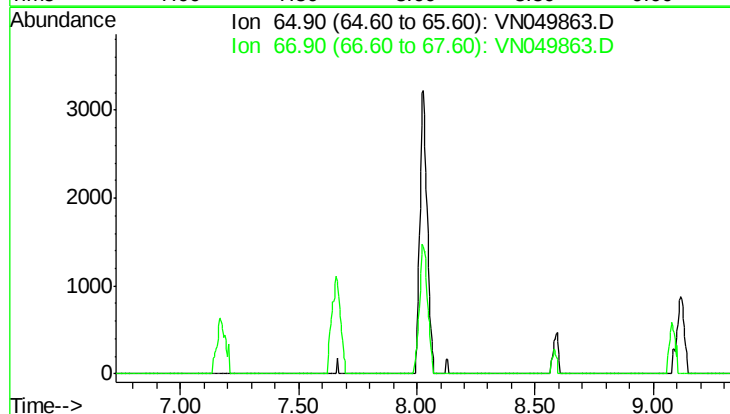
Acq: 18 Jul 2018 10:15

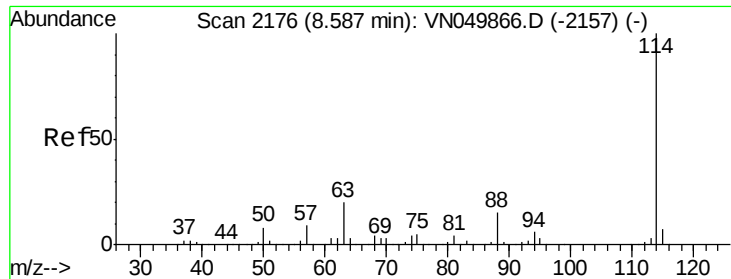
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

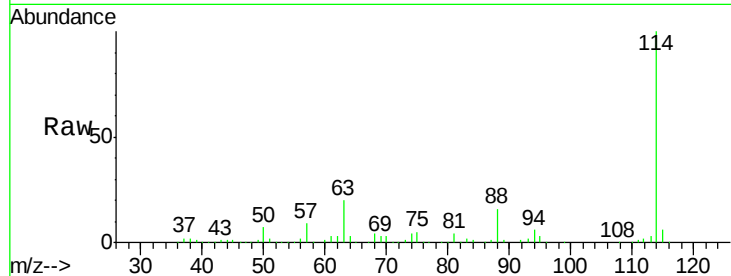
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	630540
Ion Ratio		Lower	Upper
114	100		
63	20.1	0.0	39.8
88	15.6	0.0	30.6

Manual Integrations
APPROVED

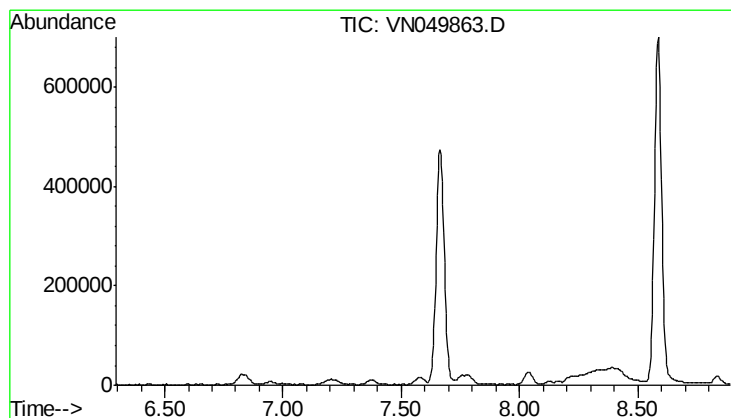
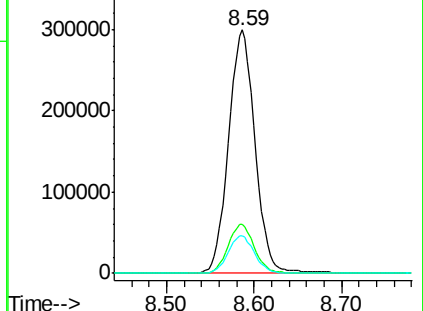
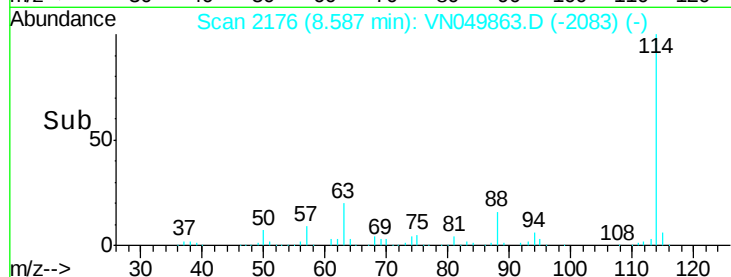
MMDadoda
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN049863.D

Ion 87.90 (87.60 to 88.60): VN049863.D



#35

Dibromofluoromethane

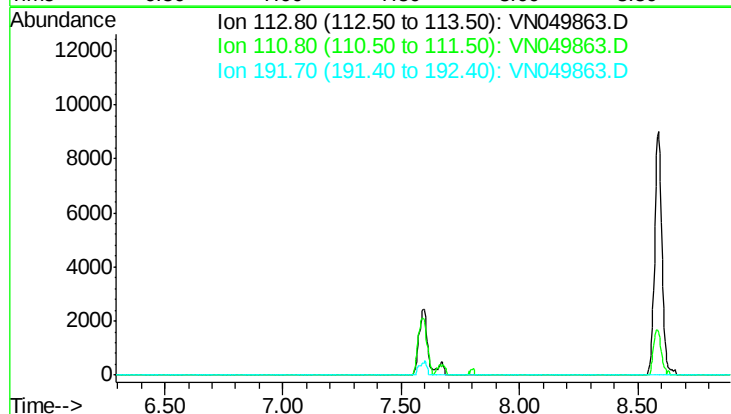
Concen: 0.00 ug/l

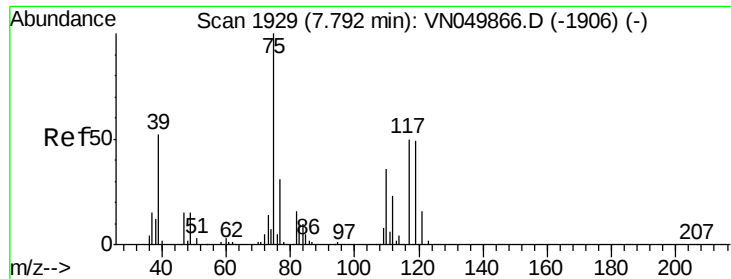
Expected RT: 7.59 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	102.3
192	22.2





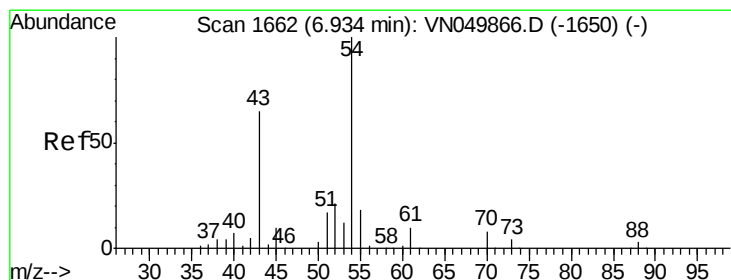
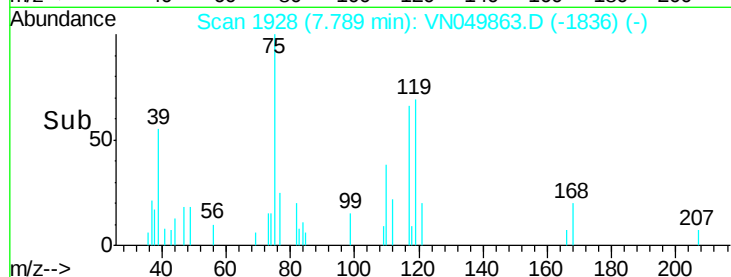
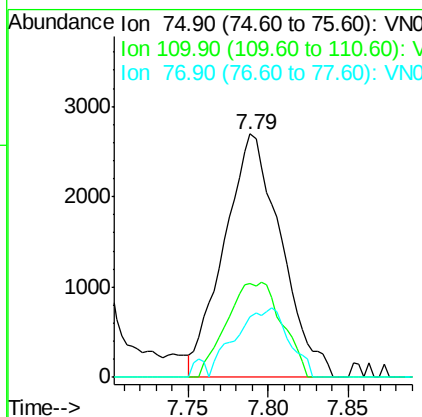
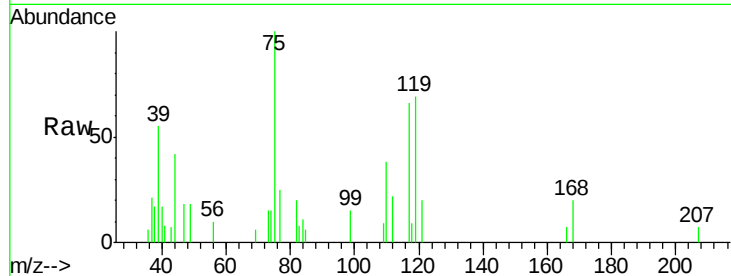
#36
 1,1-Dichloropropene
 Concen: 0.99 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.1	54.4
77	26.5	24.9	37.3

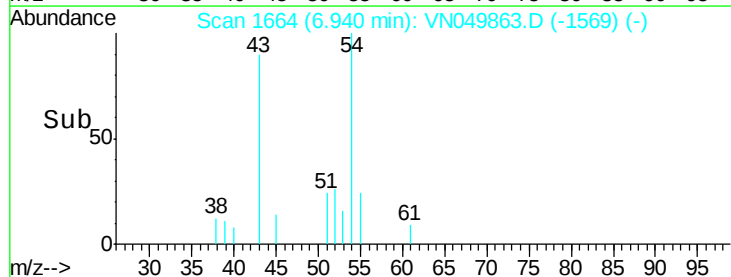
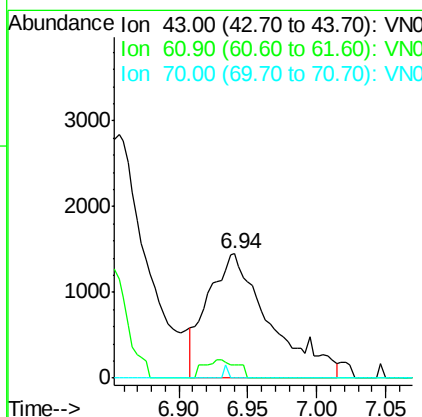
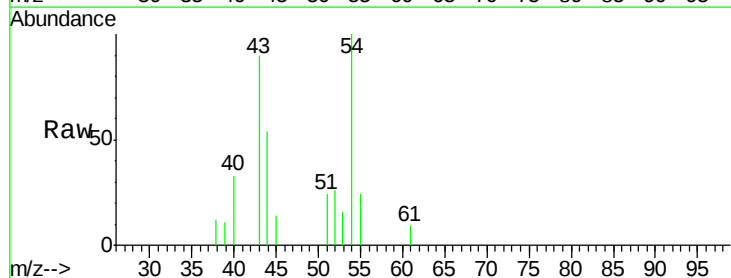
Manual Integrations
 APPROVED

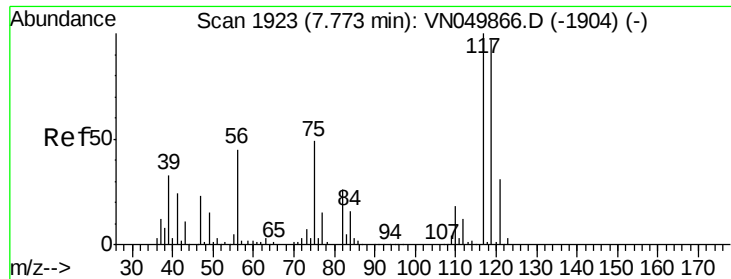
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#37
 Ethyl Acetate
 Concen: 0.91 ug/l m
 RT: 6.94 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
61	8.0	11.7	17.5#
70	0.6	8.4	12.6#





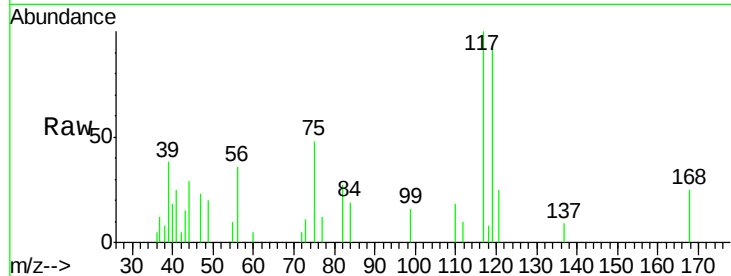
#38
Carbon Tetrachloride
Concen: 1.13 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.2	115.8
121	25.5	25.0	37.6

Manual Integrations
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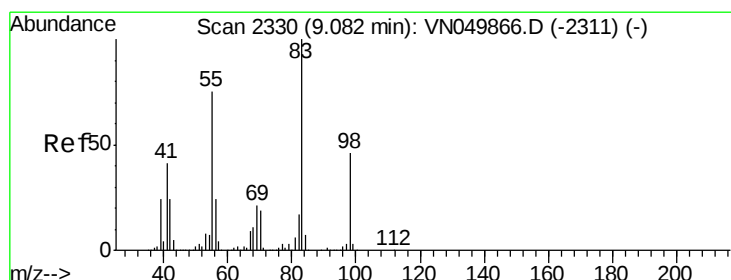
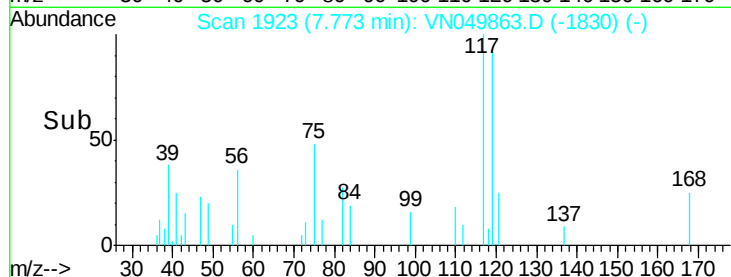
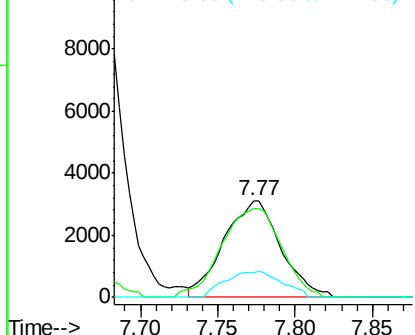


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39
Methylcyclohexane
Concen: 0.99 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

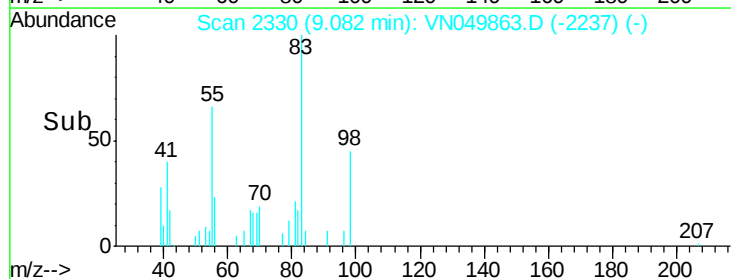
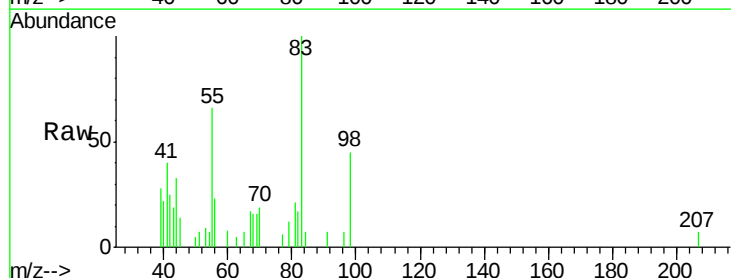
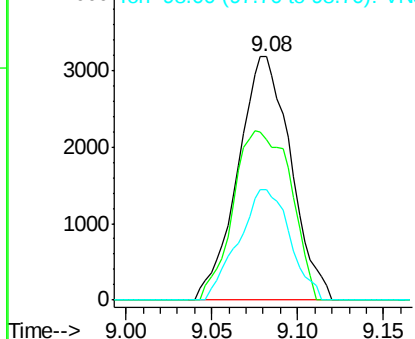
Tgt Ion	Ratio	Lower	Upper
83	100		
55	65.8	59.7	89.5
98	45.4	36.5	54.7

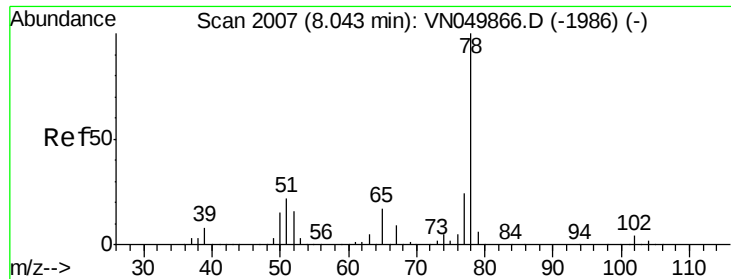
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





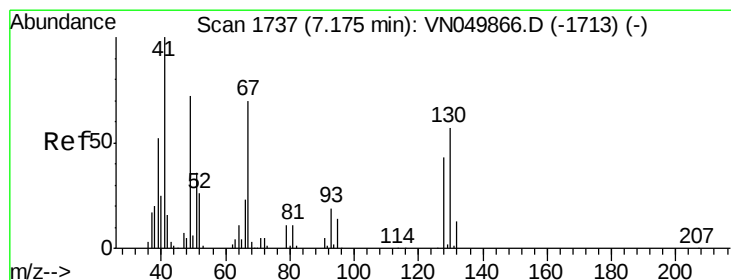
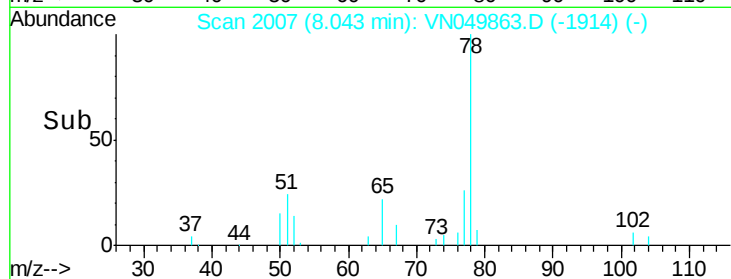
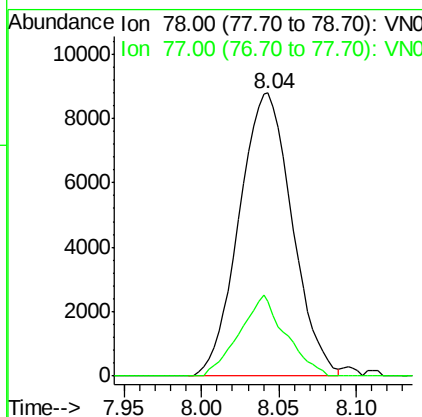
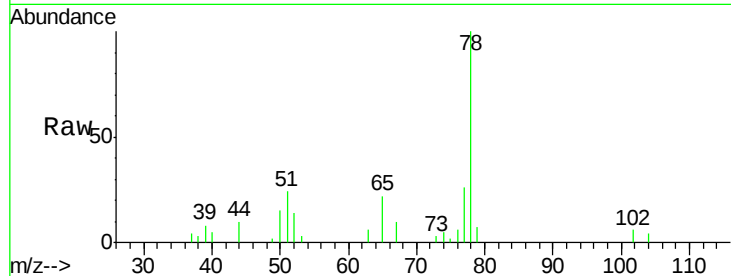
#40
Benzene
Concen: 1.04 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 20939
Ion Ratio Lower Upper
78 100
77 26.3 19.0 28.4

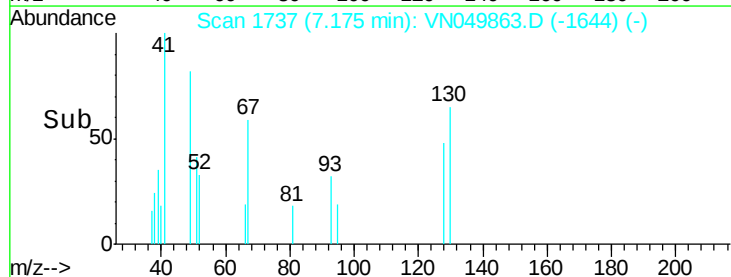
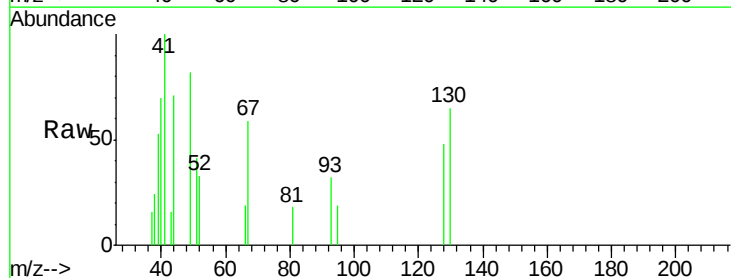
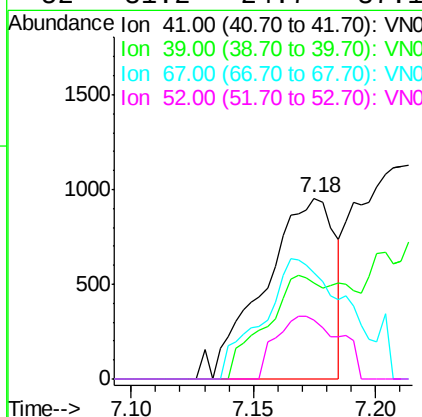
Manual Integrations
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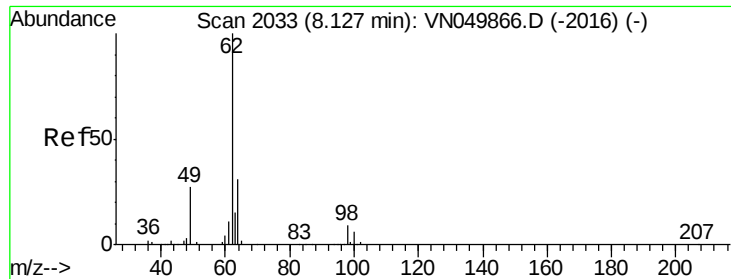
MMDadoda
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#41
Methacrylonitrile
Concen: 0.75 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion: 41 Resp: 1913
Ion Ratio Lower Upper
41 100
39 44.9 45.4 68.2#
67 81.3 65.4 98.0
52 31.2 24.7 37.1





#42

1,2-Dichloroethane

Concen: 1.04 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 7182

Ion Ratio Lower Upper

62 100

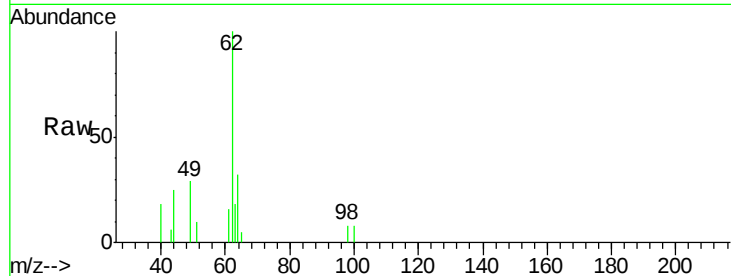
98 3.5 0.0 19.0

Manual Integrations

APPROVED

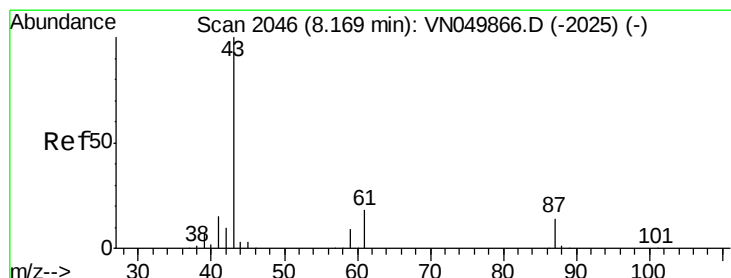
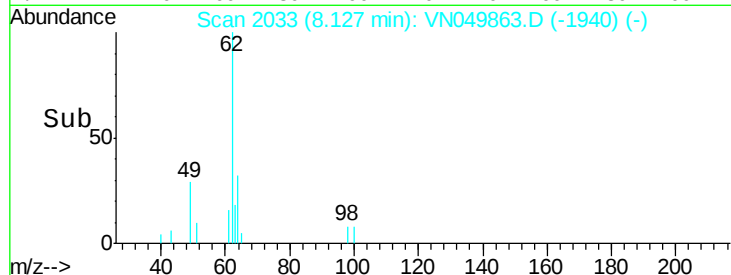
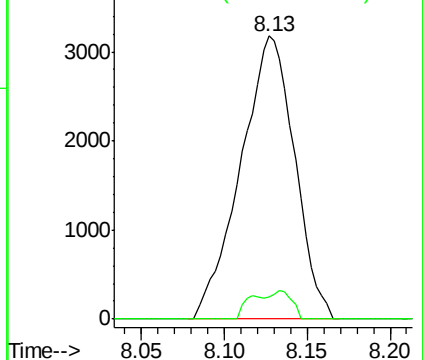
MMDadoda

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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#43

Isopropyl Acetate

Concen: 0.76 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

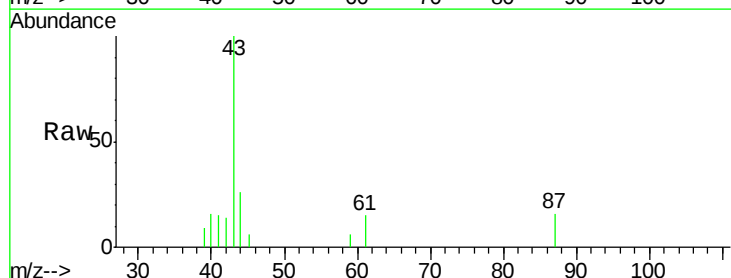
Tgt Ion: 43 Resp: 6395

Ion Ratio Lower Upper

43 100

61 7.6 14.9 22.3#

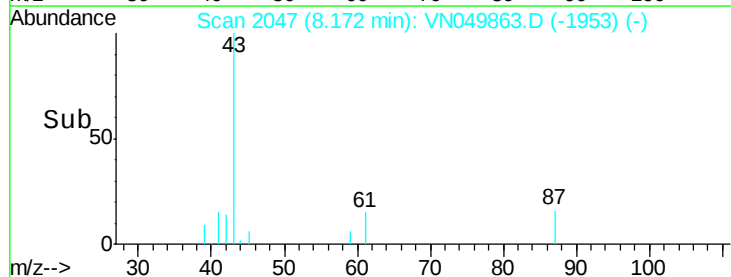
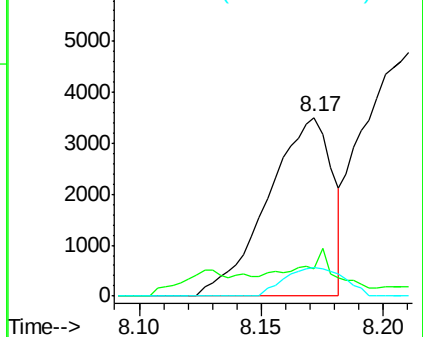
87 14.6 10.0 15.0

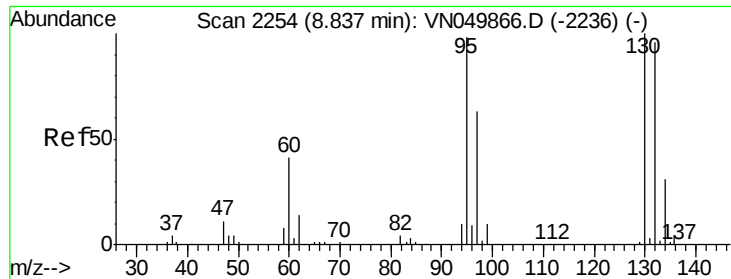


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





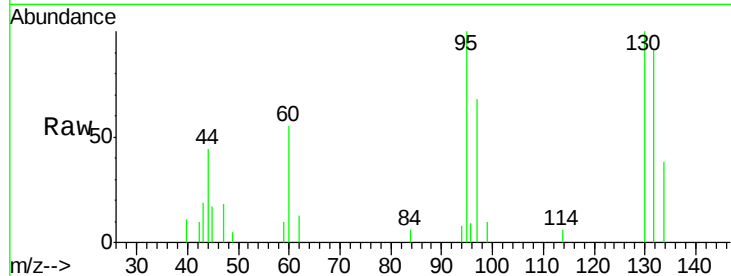
#44
 Trichloroethene
 Concen: 1.05 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 5562
 Ion Ratio Lower Upper
 130 100
 95 100.2 0.0 192.8

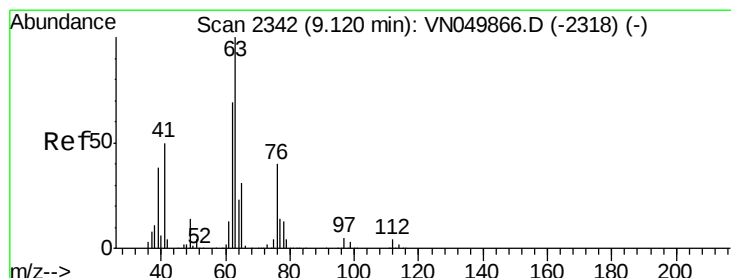
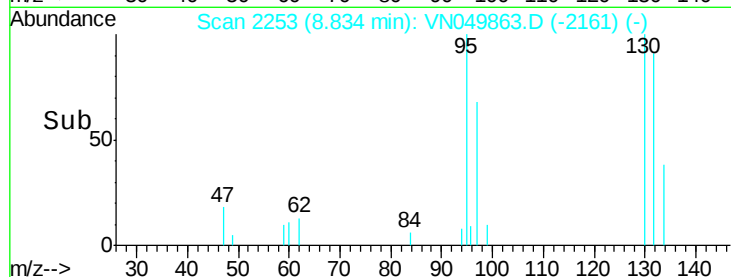
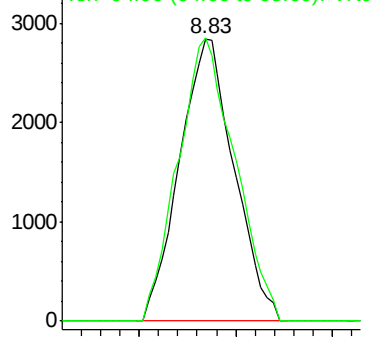
Manual Integrations
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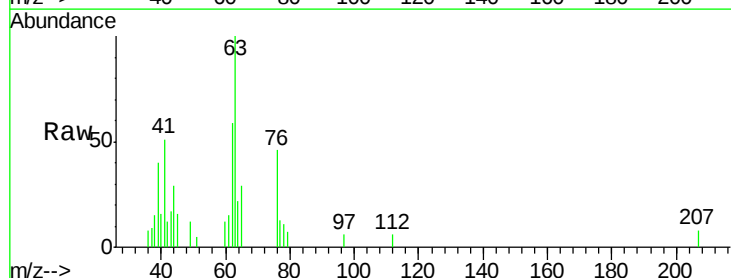
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



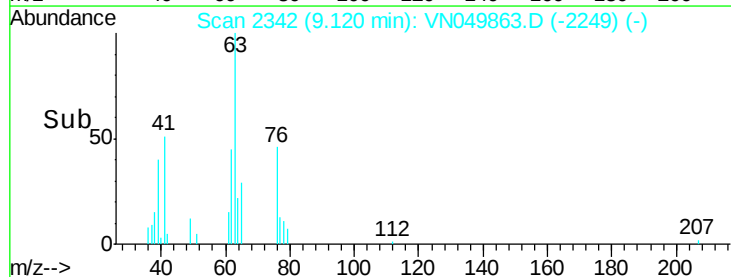
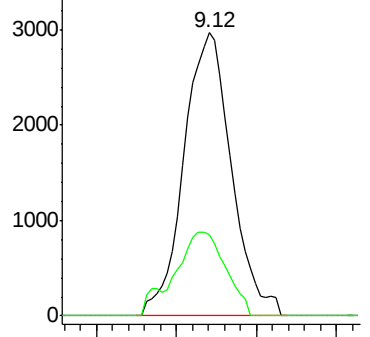
#45
 1,2-Dichloropropane
 Concen: 1.12 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

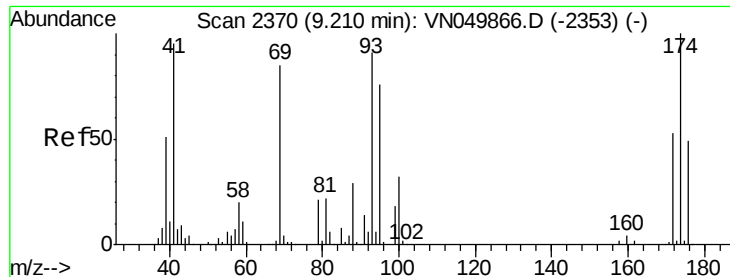
Tgt Ion: 63 Resp: 6040
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





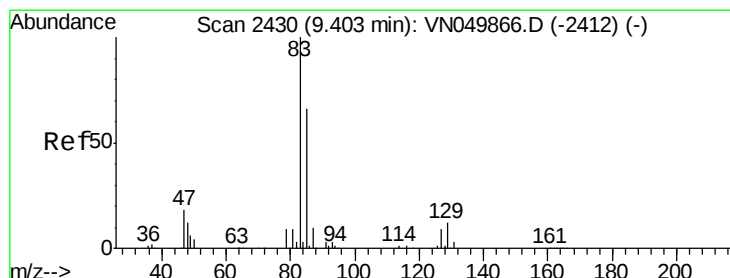
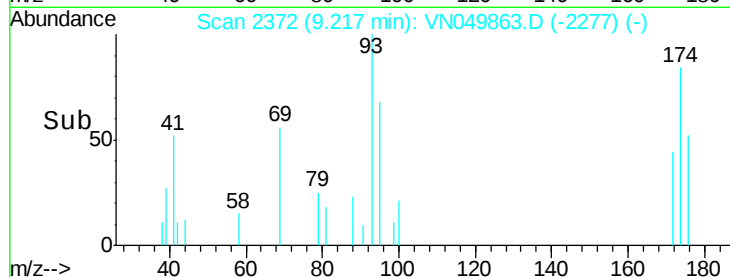
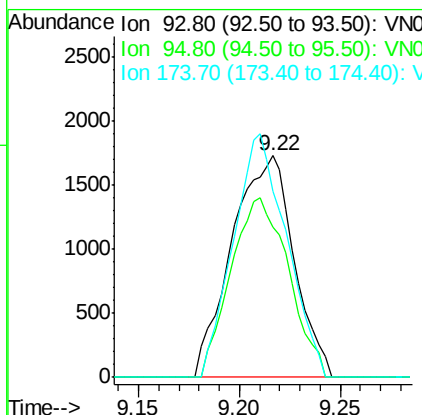
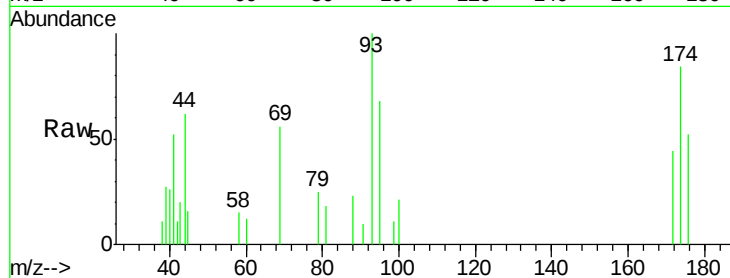
#46
Dibromomethane
Concen: 1.08 ug/l
RT: 9.22 min Scan# 2372
Delta R.T. 0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 3700
Ion Ratio Lower Upper
93 100
95 75.7 67.9 101.9
174 94.6 89.4 134.0

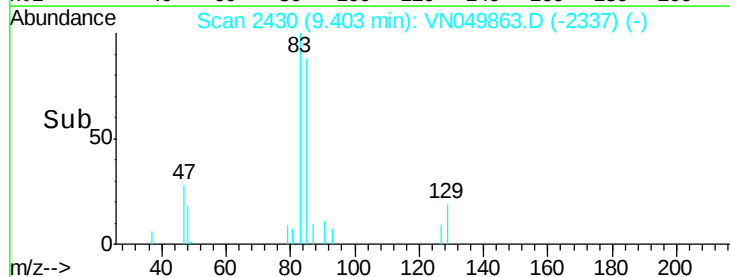
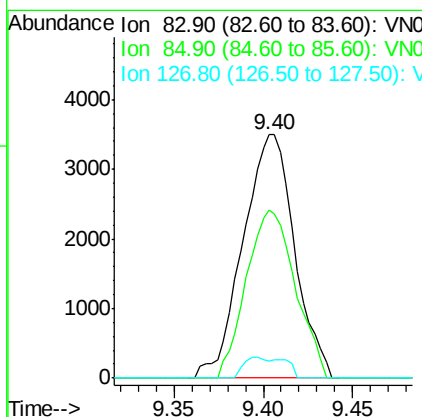
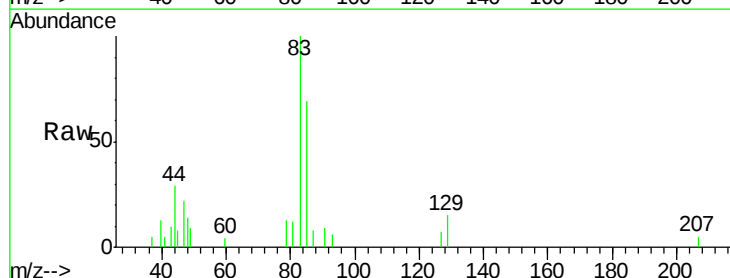
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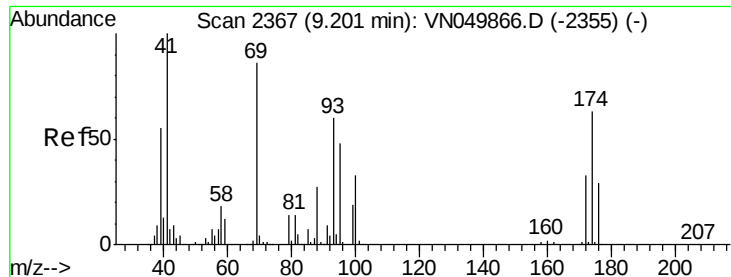
MMDadoda
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#47
Bromodichloromethane
Concen: 1.01 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion: 83 Resp: 7058
Ion Ratio Lower Upper
83 100
85 68.9 50.5 75.7
127 7.3 6.8 10.2





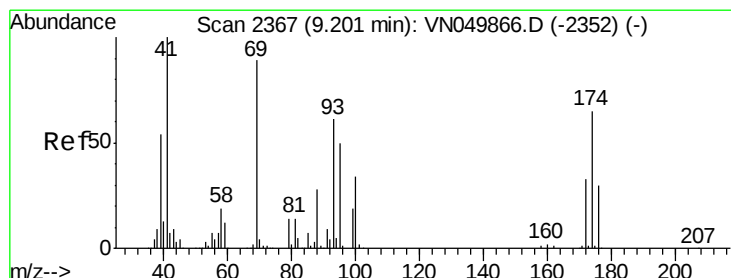
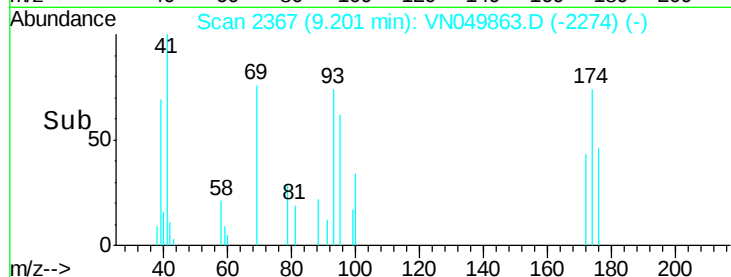
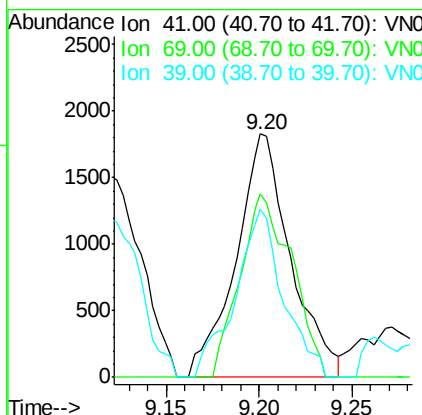
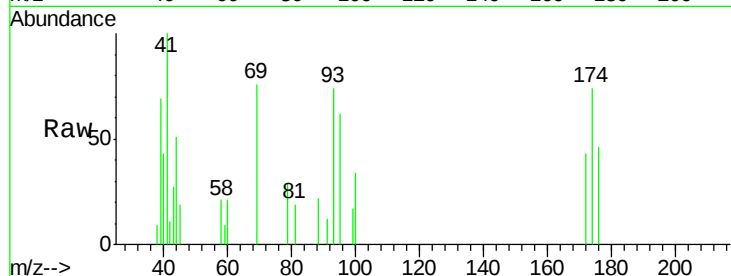
#48
Methvl methacrylate
Concen: 0.89 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	71.5	71.5	107.3#
39	61.0	44.7	67.1

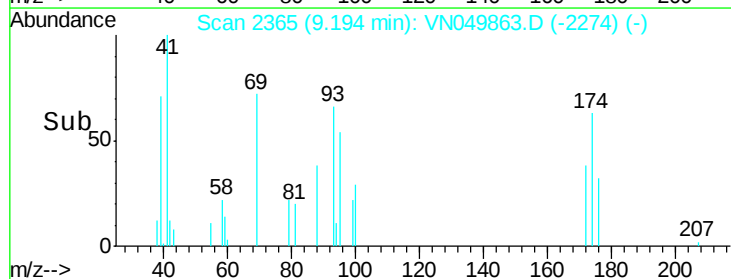
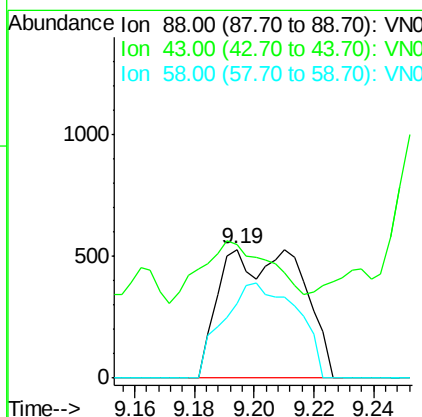
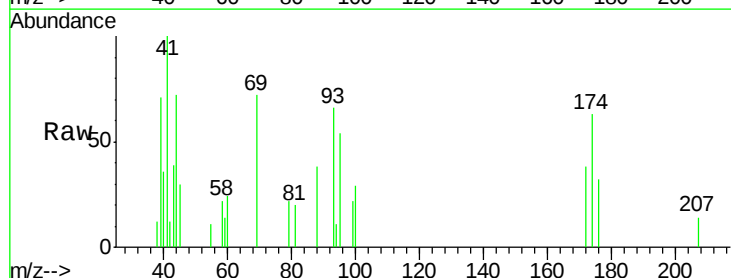
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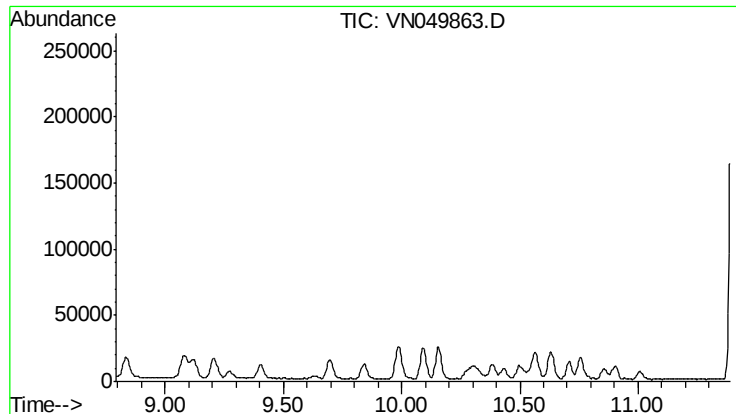
MMDadoda
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#49
1,4-Dioxane
Concen: 15.86 ug/l m
RT: 9.19 min Scan# 2365
Delta R.T. -0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.7	25.1	37.7#
58	66.0	52.5	78.7





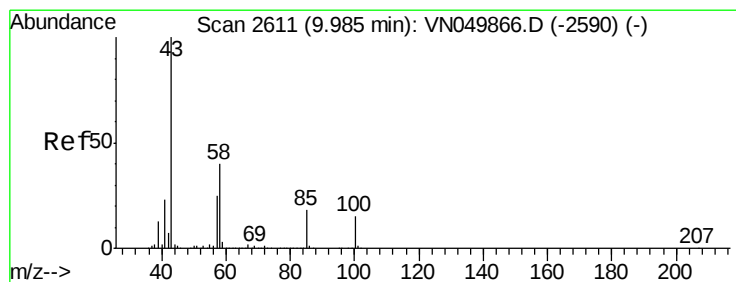
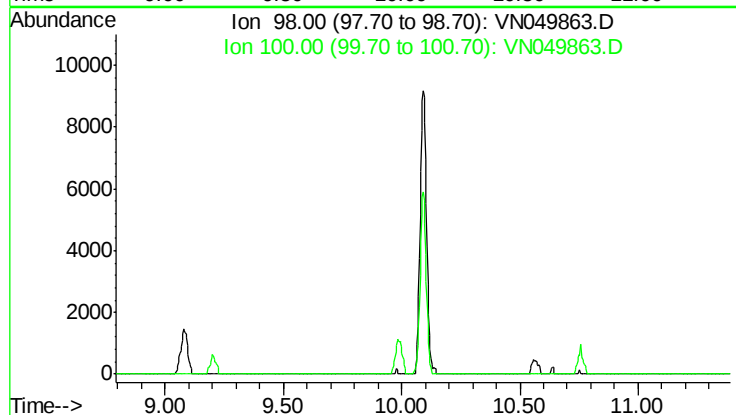
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 10.09 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.6

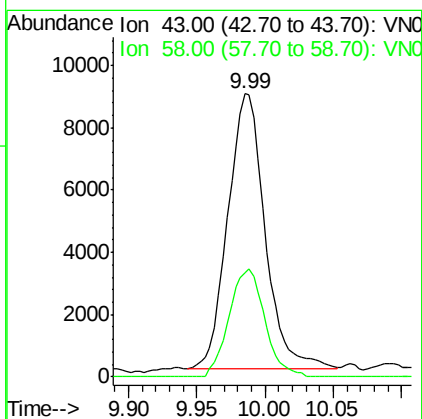
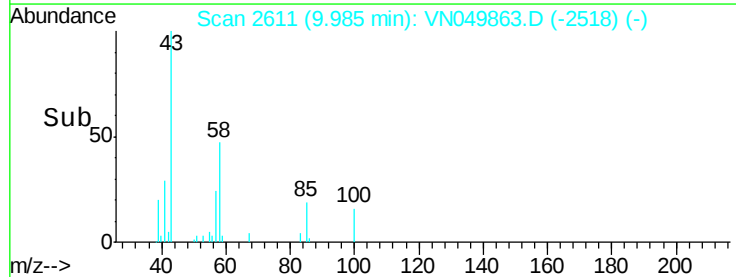
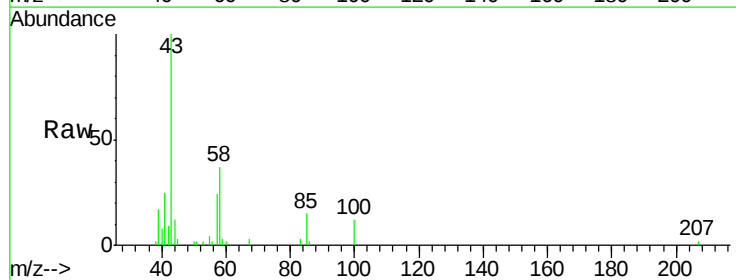
Manual Integrations
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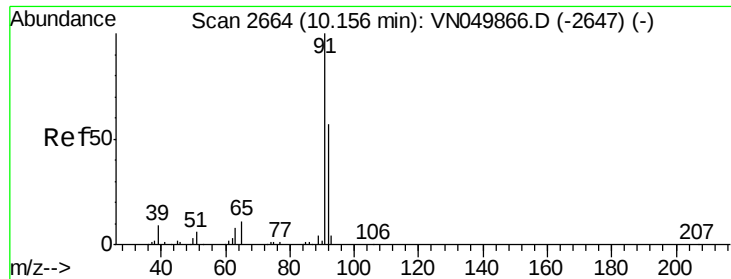
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 3.35 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion: 43 Resp: 16679
Ion Ratio Lower Upper
43 100
58 37.7 31.8 47.8





#52

Toluene

Concen: 0.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10234

Ion Ratio Lower Upper

92 100

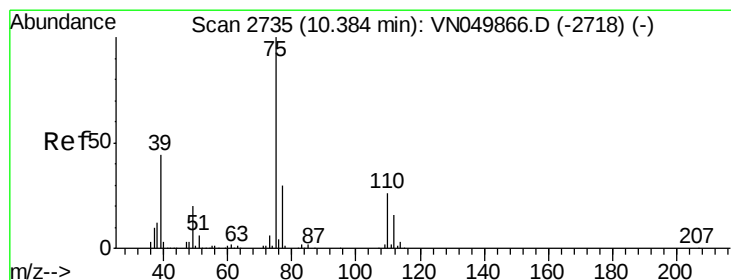
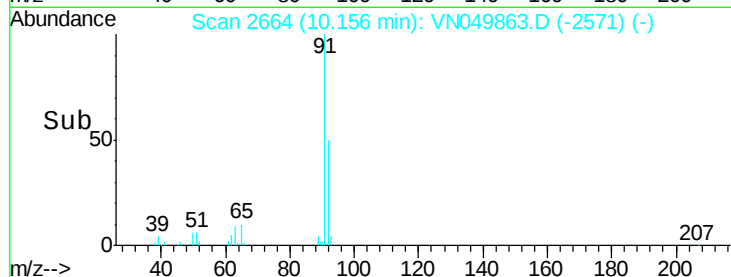
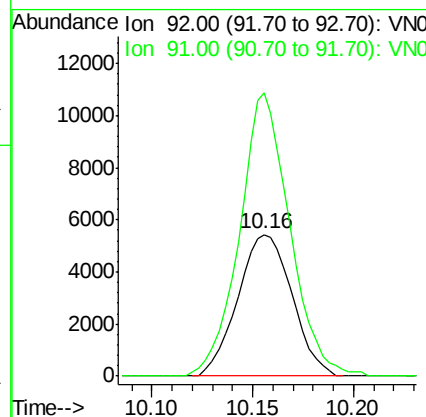
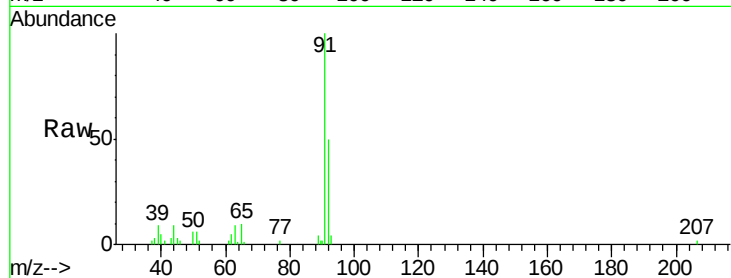
91 184.7 140.1 210.1

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.94 ug/l

RT: 10.39 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VN049863.D

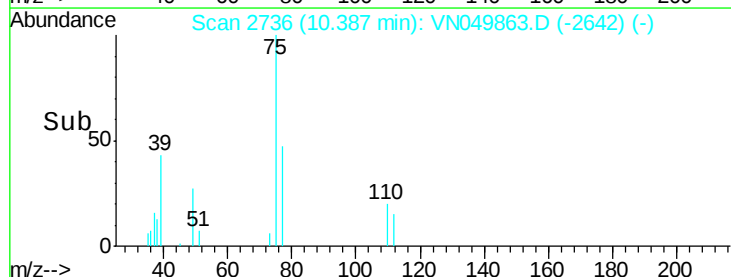
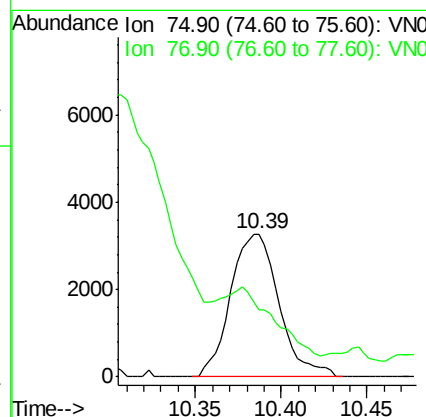
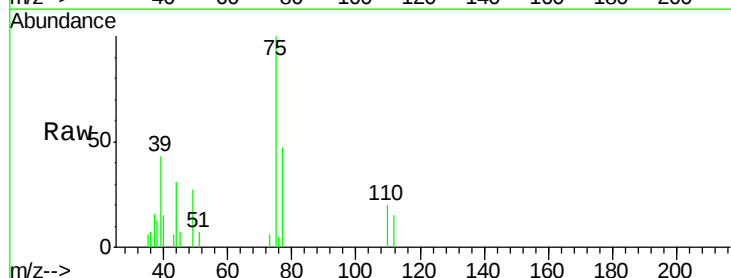
Acq: 18 Jul 2018 10:15

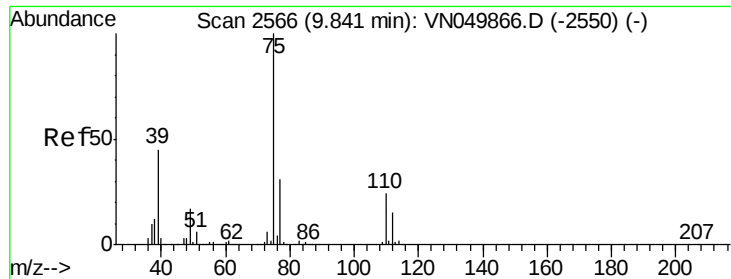
Tgt Ion: 75 Resp: 6403

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8





#54

cis-1,3-Dichloropropene

Concen: 0.85 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

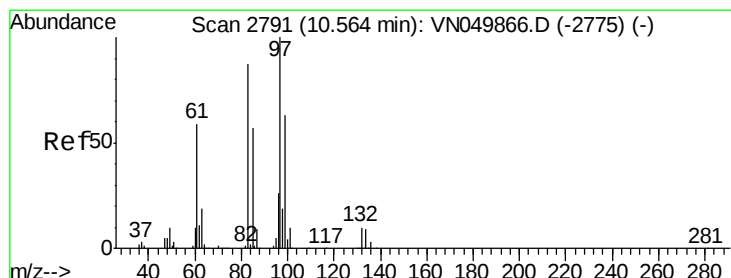
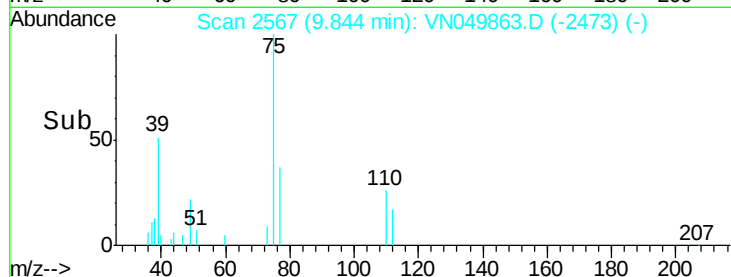
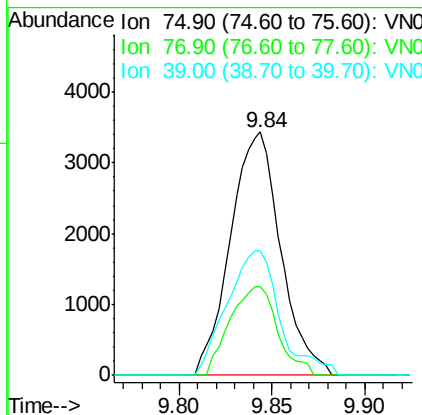
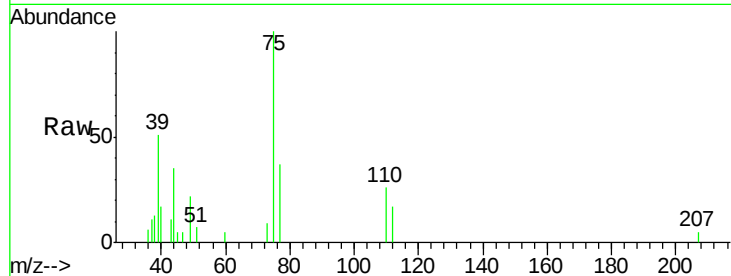
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6476
Ion	Ratio	Lower	Upper
75	100		
77	36.7	25.3	37.9
39	51.4	35.5	53.3

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#55

1,1,2-Trichloroethane

Concen: 1.12 ug/l

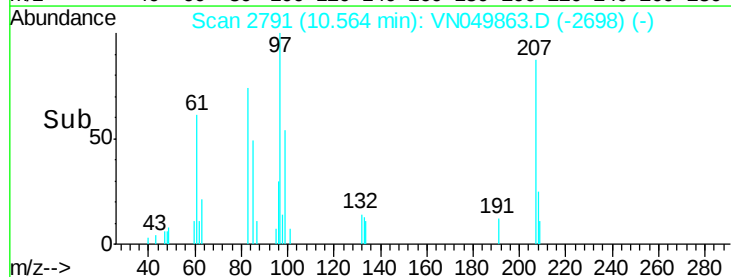
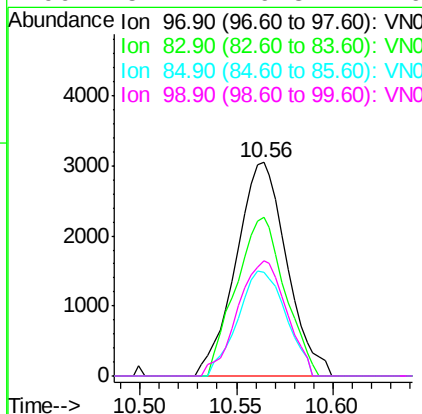
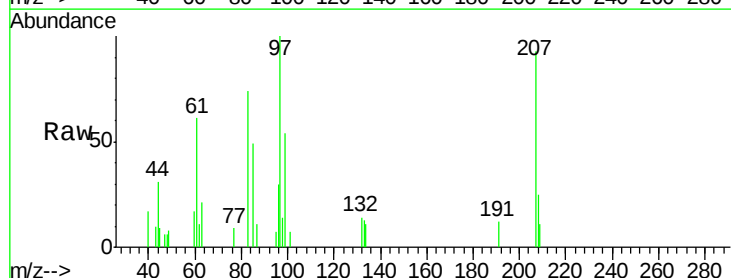
RT: 10.56 min Scan# 2791

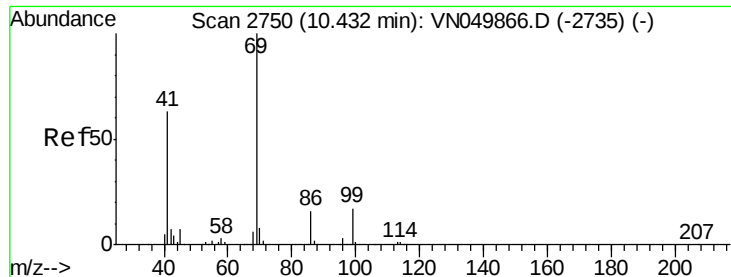
Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Tgt Ion:	97	Resp:	5562
Ion	Ratio	Lower	Upper
97	100		
83	74.5	69.0	103.6
85	48.5	44.9	67.3
99	54.1	49.8	74.6





#56

Ethyl methacrylate

Concen: 0.68 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

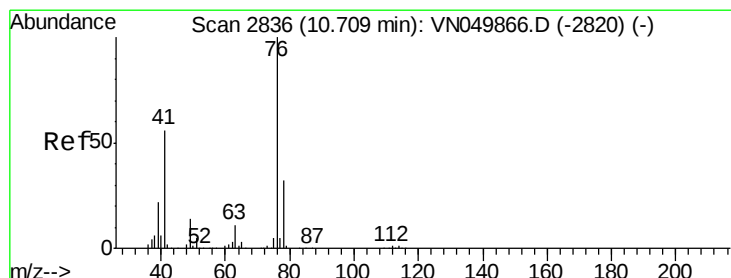
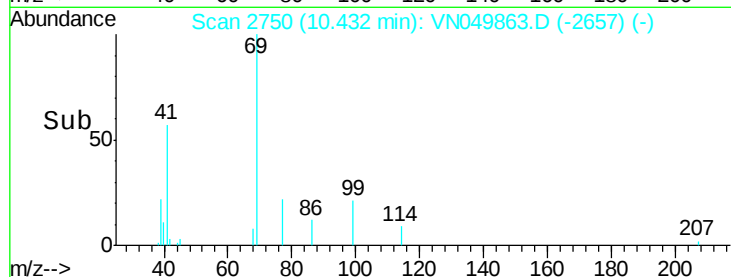
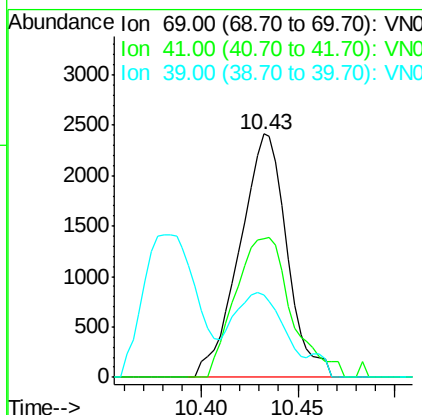
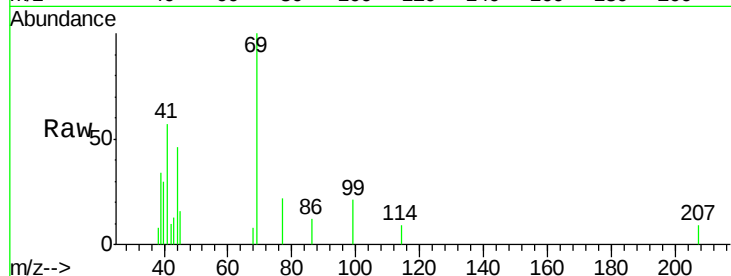
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4119
Ion	Ratio	Lower	Upper
69	100		
41	68.1	51.6	77.4
39	27.6	25.8	38.8

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#57

1,3-Dichloropropane

Concen: 0.95 ug/l

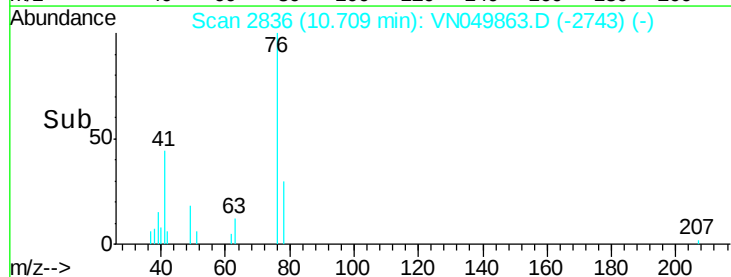
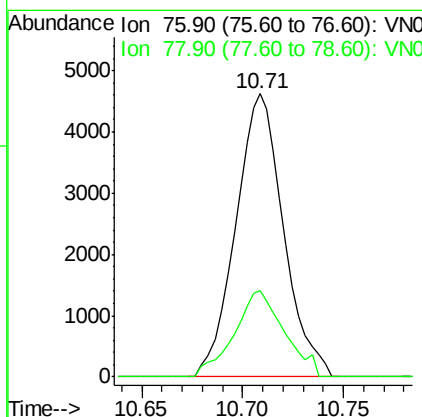
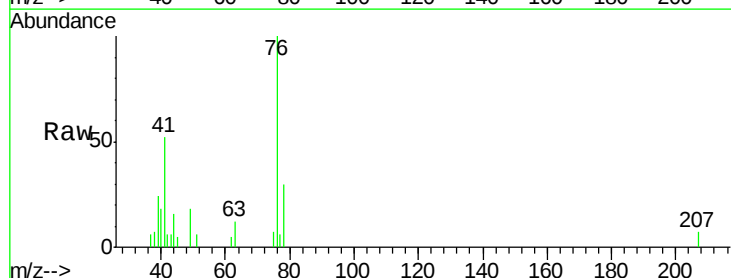
RT: 10.71 min Scan# 2836

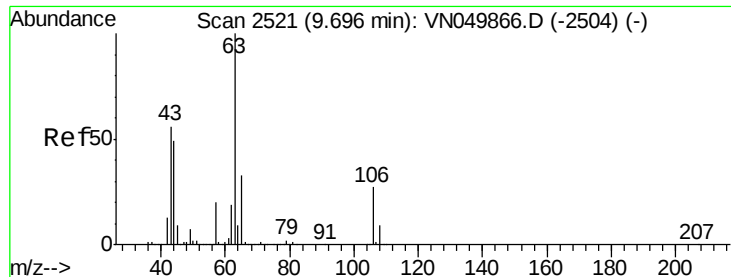
Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Tgt Ion:	76	Resp:	7626
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8





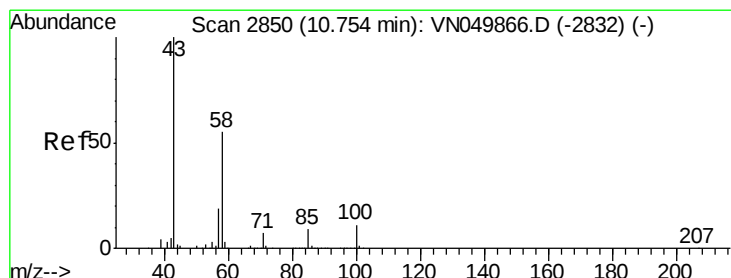
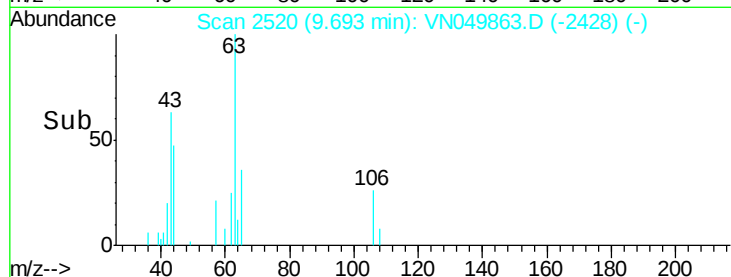
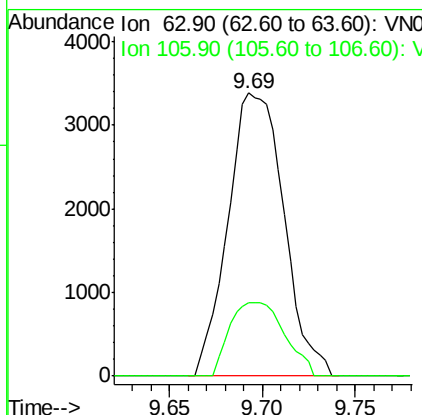
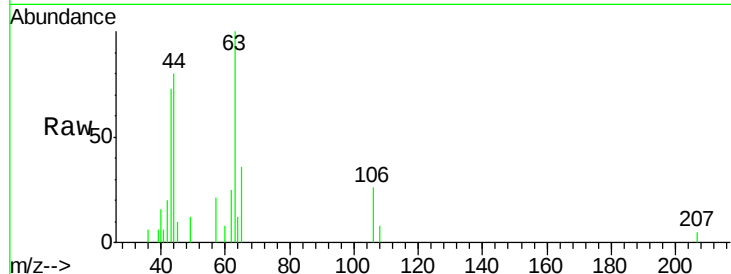
#58
 2-Chloroethyl Vinyl ether
 Concen: 2.49 ug/l
 RT: 9.69 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 7070
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.8 32.8

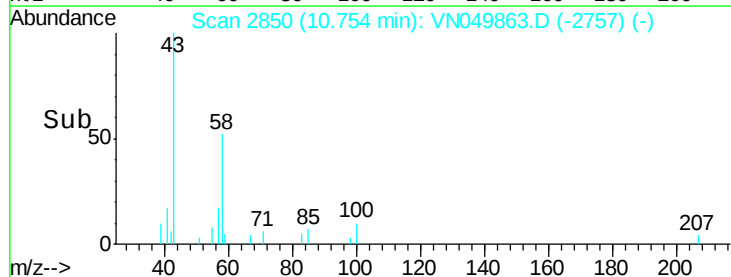
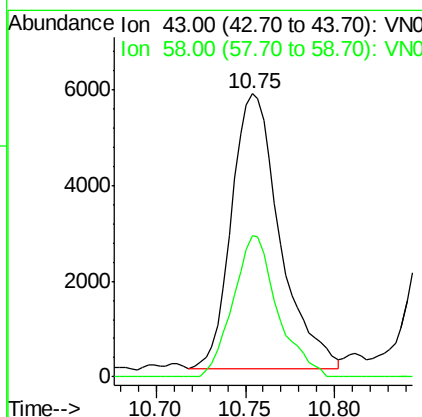
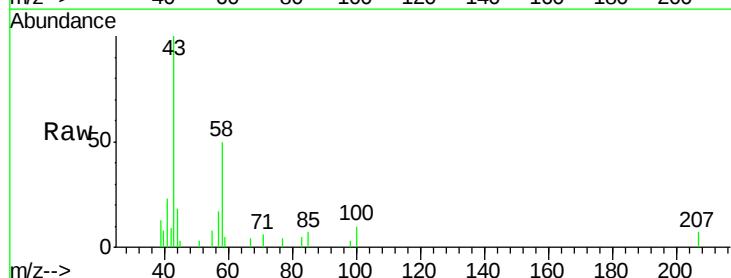
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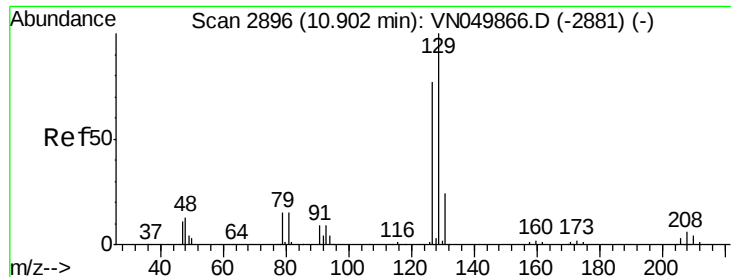
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#59
 2-Hexanone
 Concen: 3.17 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Tgt Ion: 43 Resp: 10809
 Ion Ratio Lower Upper
 43 100
 58 47.3 27.8 83.4





#60

Dibromochloromethane

Concen: 0.98 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 5447

Ion Ratio Lower Upper

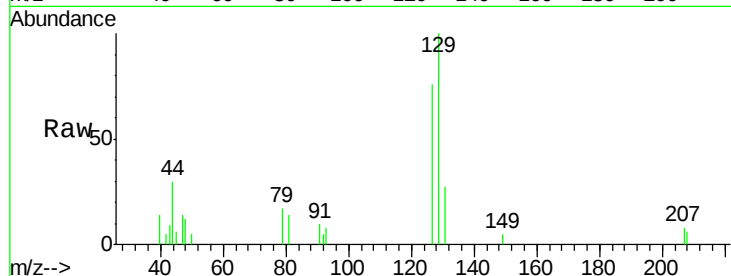
129 100

127 74.9 38.3 114.9

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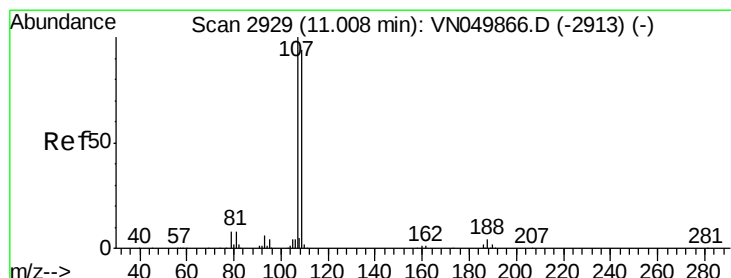
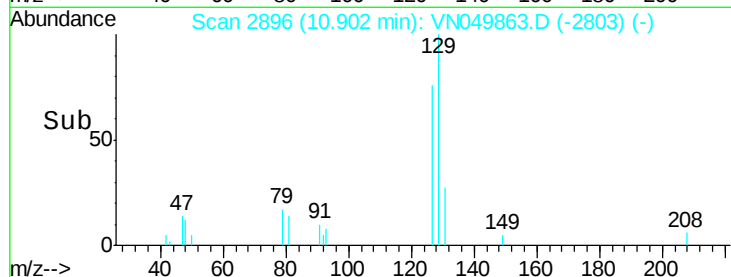
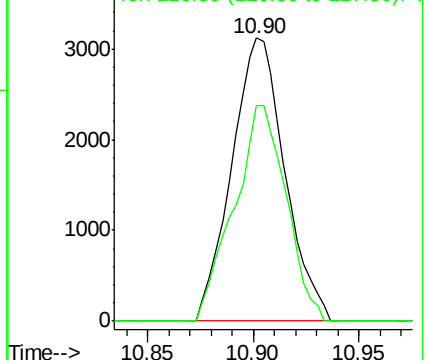
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.90 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN049863.D

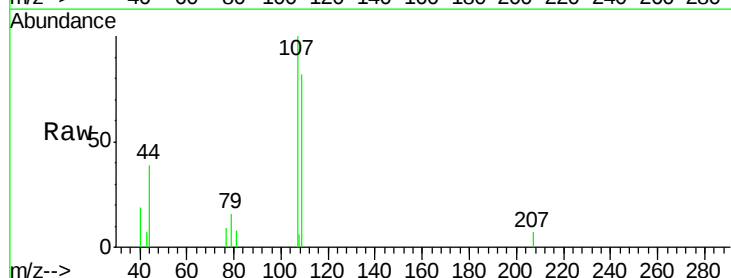
Acq: 18 Jul 2018 10:15

Tgt Ion:107 Resp: 4378

Ion Ratio Lower Upper

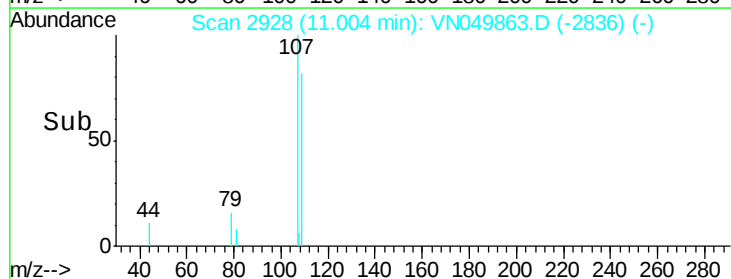
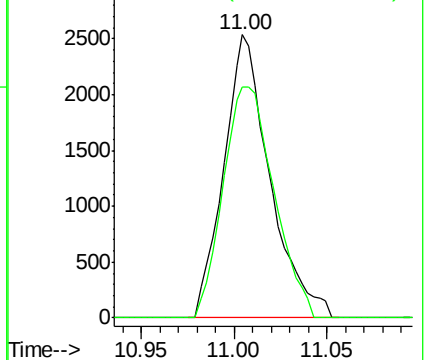
107 100

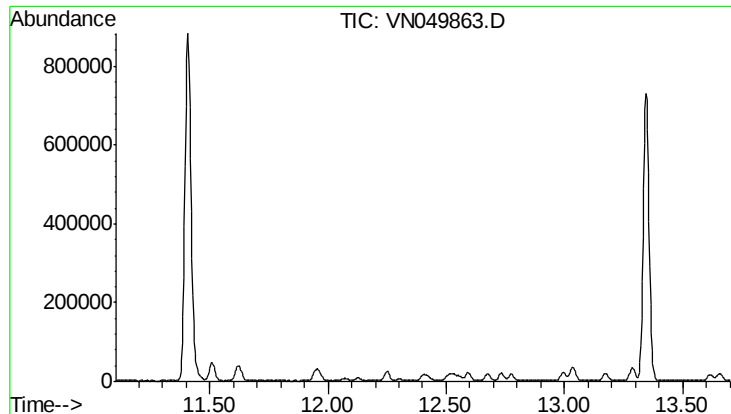
109 89.8 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 12.40 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Tot Ion: 95

Sig Exp Ratio

95 100

174 89.8

176 87.0

Instrument :

MSVOA_N

ClientSampleId :

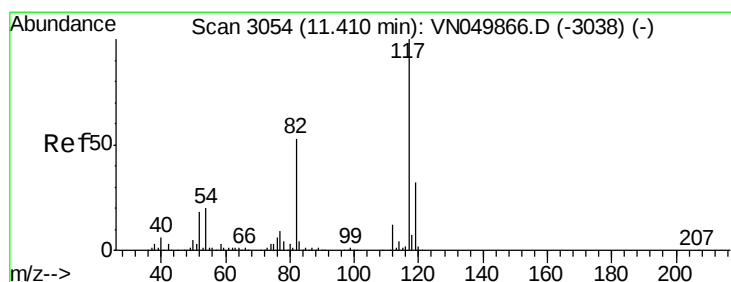
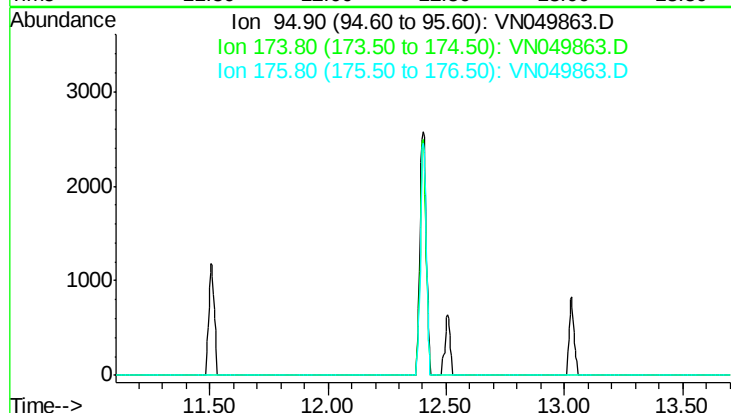
VSTDIC001

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

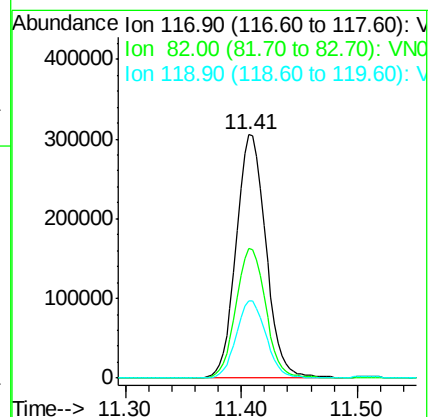
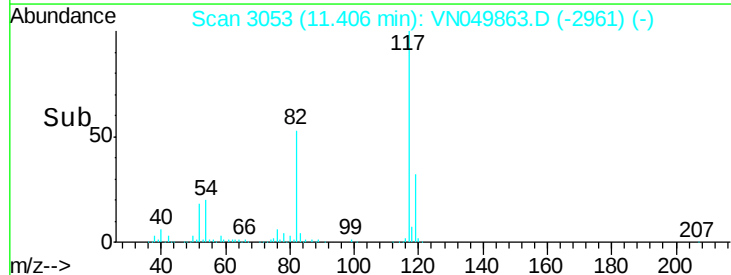
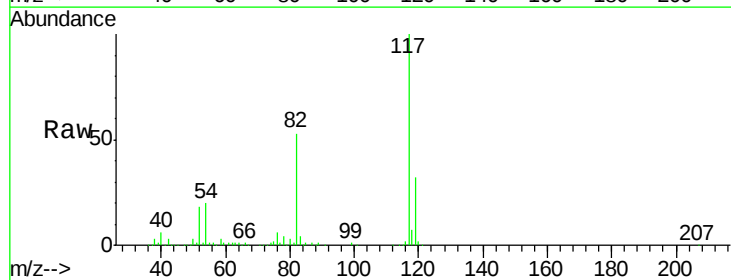
Tgt Ion:117 Resp: 543207

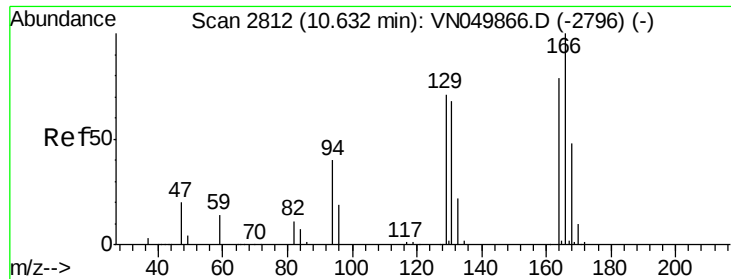
Ion Ratio Lower Upper

117 100

82 53.0 41.9 62.9

119 31.9 25.4 38.2





#64

Tetrachloroethene

Concen: 1.14 ug/l

RT: 10.63 min Scan# 2811

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5256

Ion Ratio Lower Upper

164 100

166 131.9 101.8 152.6

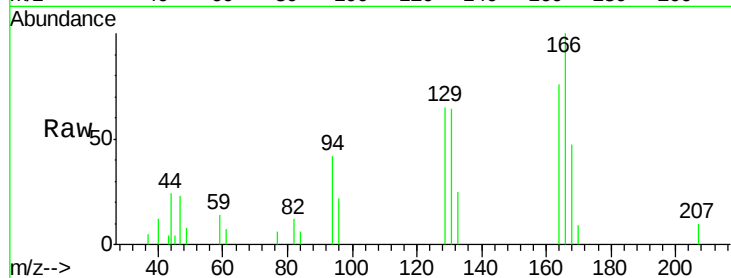
129 85.3 72.8 109.2

131 84.1 70.0 105.0

Manual Integrations
APPROVED

MMDadoda

7/19/2018 4:28:51 PM

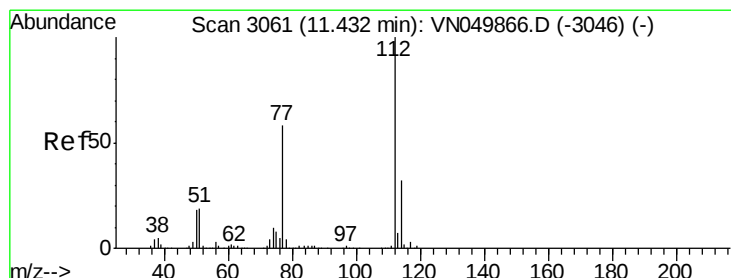
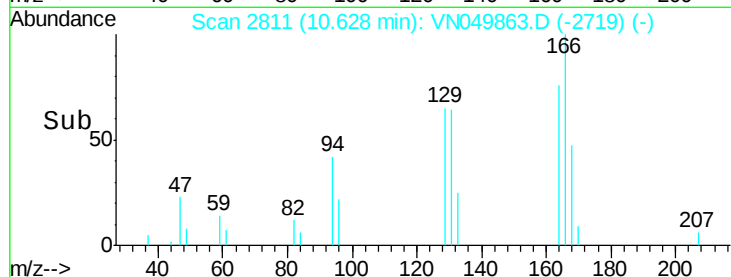
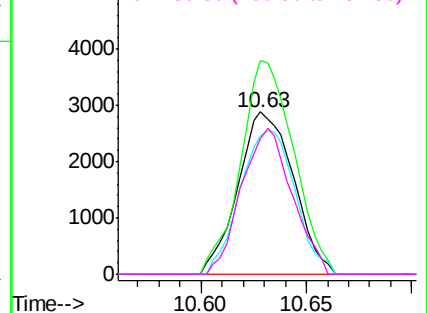


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.07 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049863.D

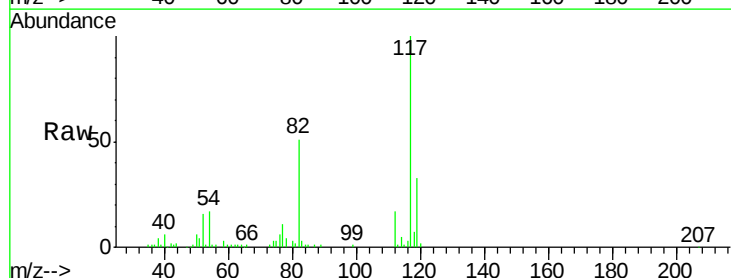
Acq: 18 Jul 2018 10:15

Tgt Ion:112 Resp: 13740

Ion Ratio Lower Upper

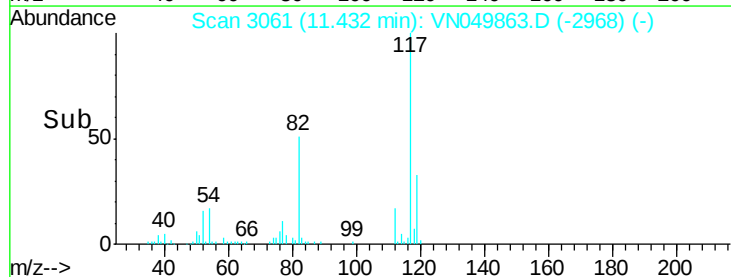
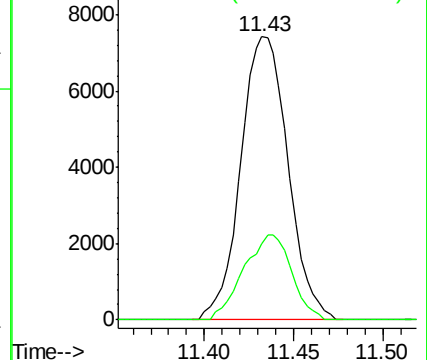
112 100

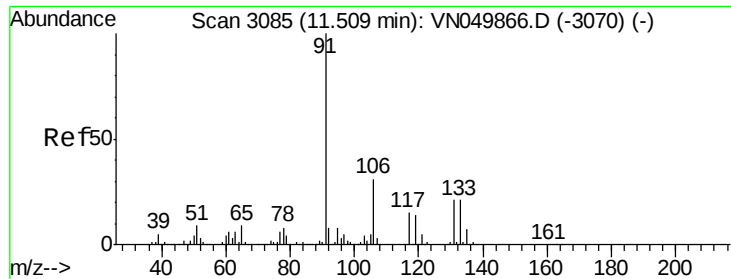
114 26.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.15 ug/l

RT: 11.51 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

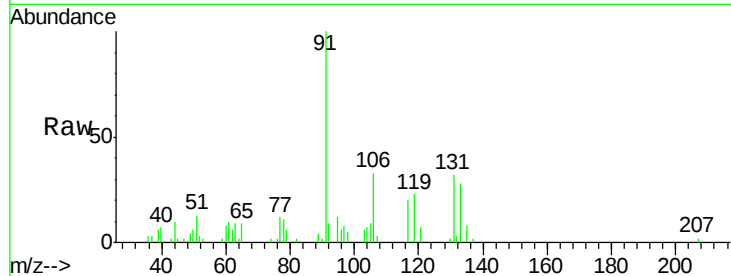
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.5	142.6
119	0.0	33.1	99.3#

Manual Integrations
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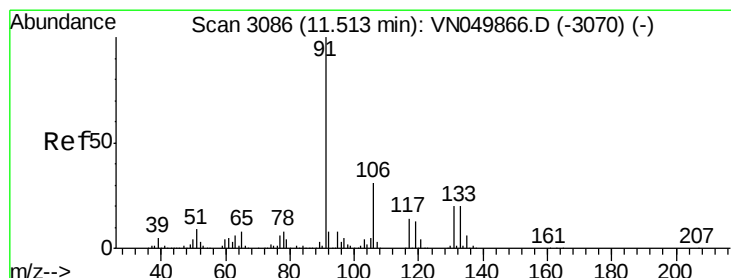
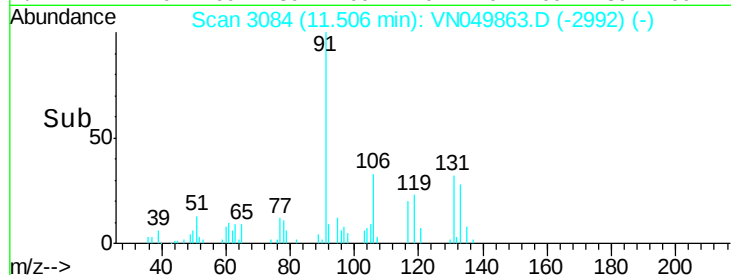
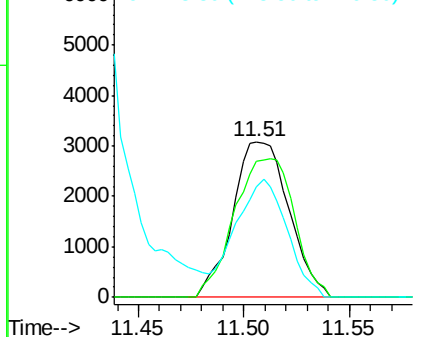
MMDadoda
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.89 ug/l

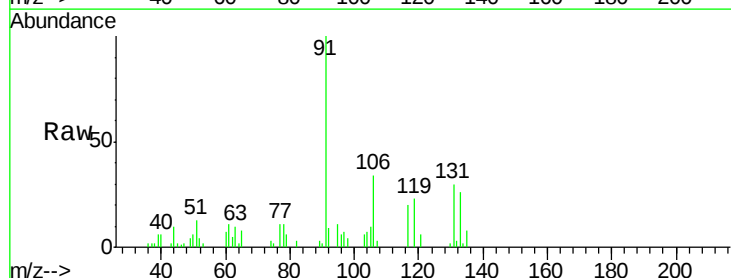
RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049863.D

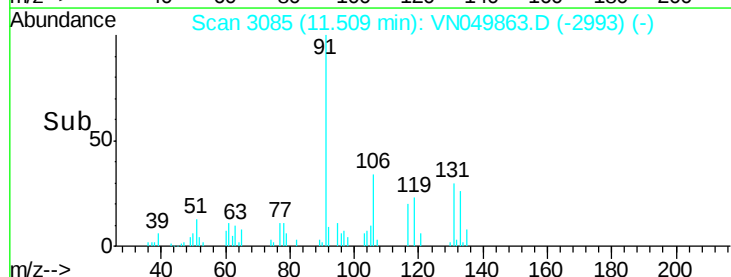
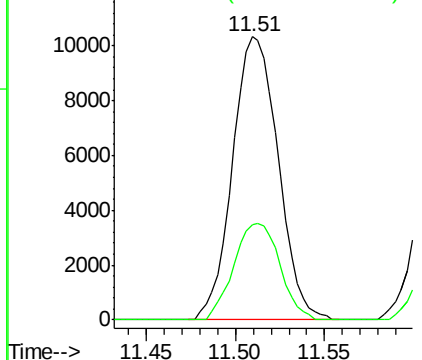
Acq: 18 Jul 2018 10:15

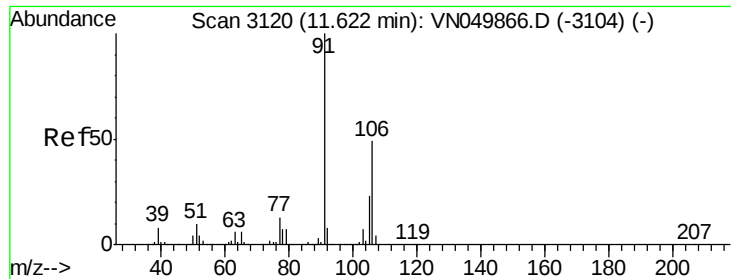
Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.6	24.8	37.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





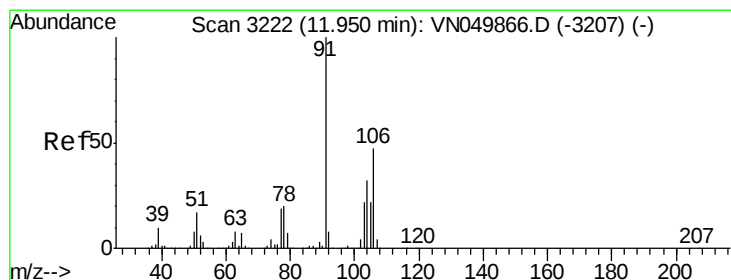
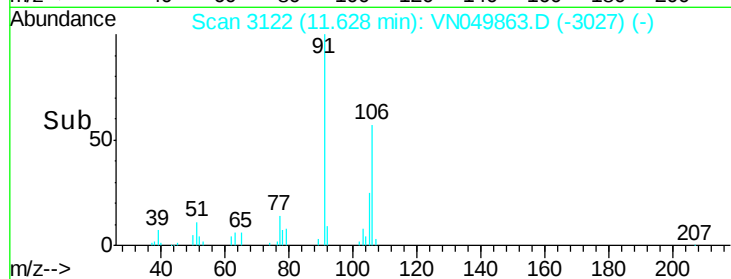
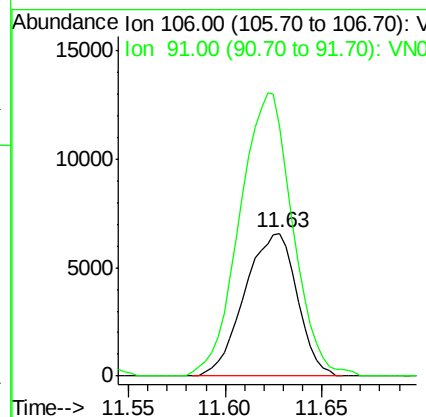
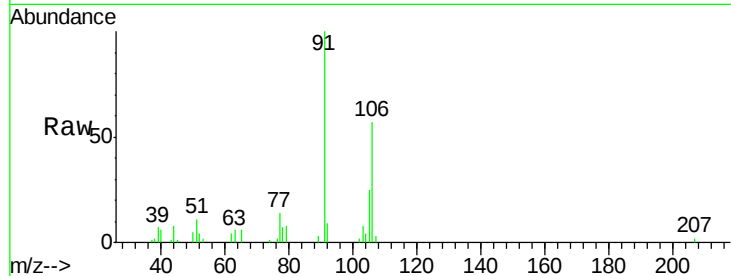
#68
m/p-Xvlenes
Concen: 1.58 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.01 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		12398		
91	200.3	163.4	245.2		

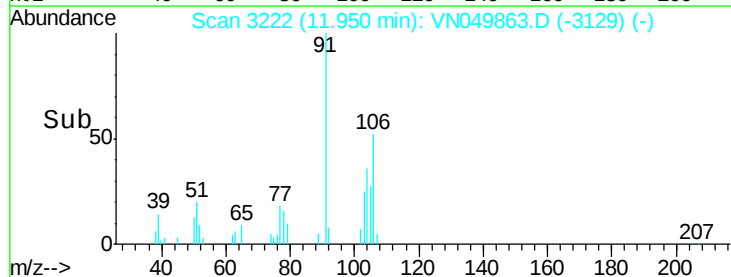
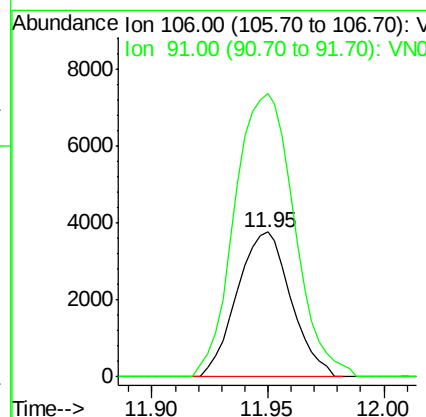
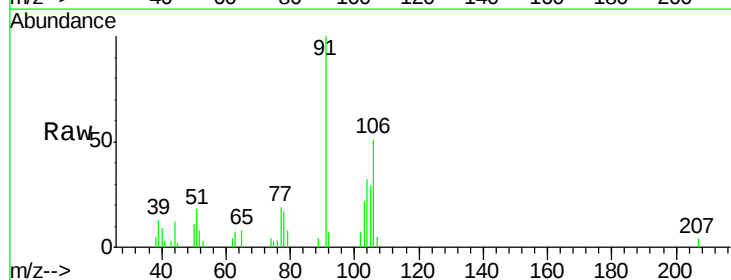
Manual Integrations
APPROVED

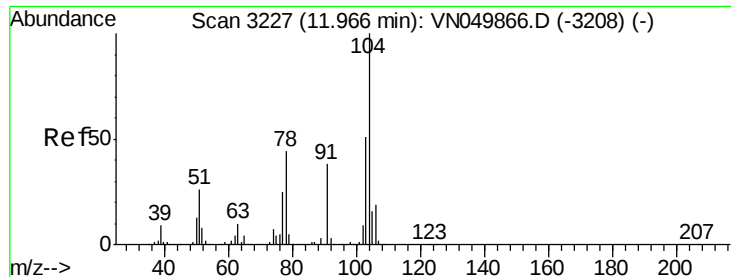
MMDadoda
7/19/2018 4:28:51 PM



#69
o-Xylene
Concen: 0.81 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		6100		
91	215.9	108.7	326.1		





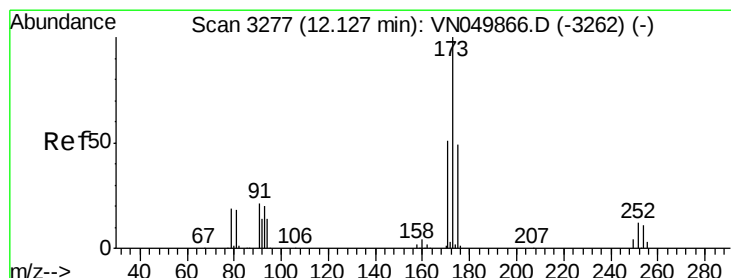
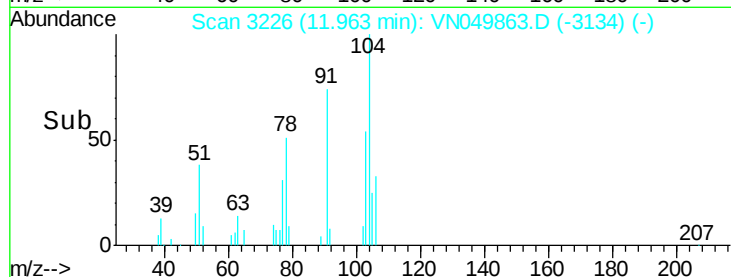
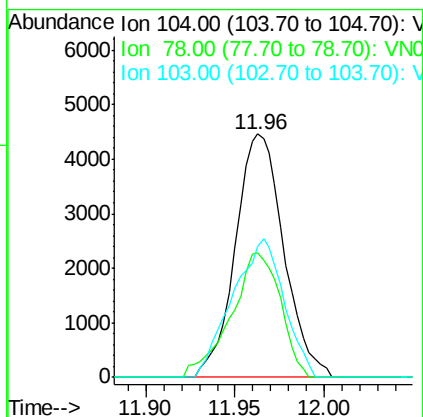
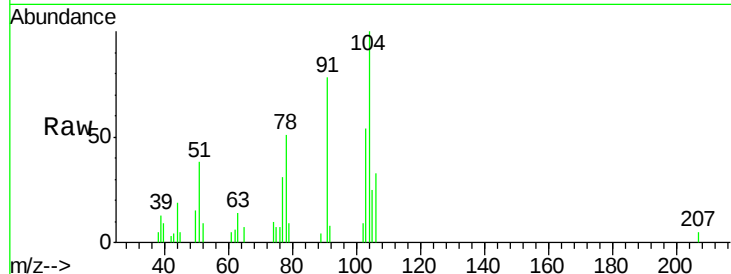
#70
Stvrene
Concen: 0.70 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		8444		
78	52.3	39.2	58.8		
103	60.6	44.6	67.0		

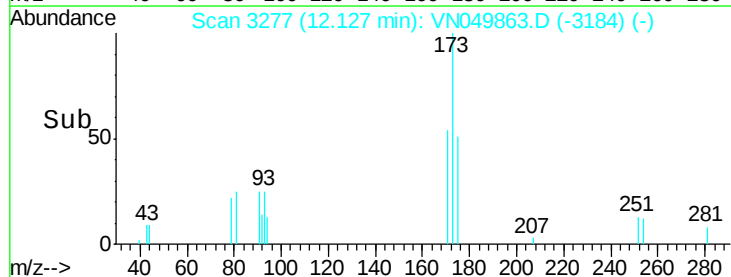
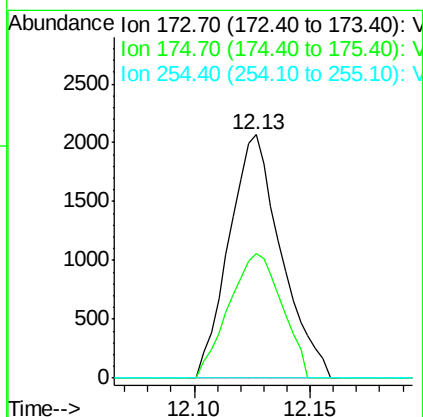
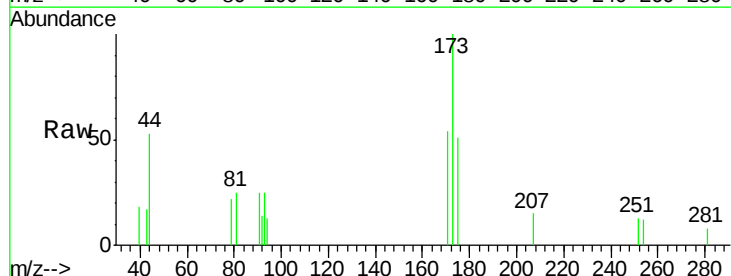
Manual Integrations
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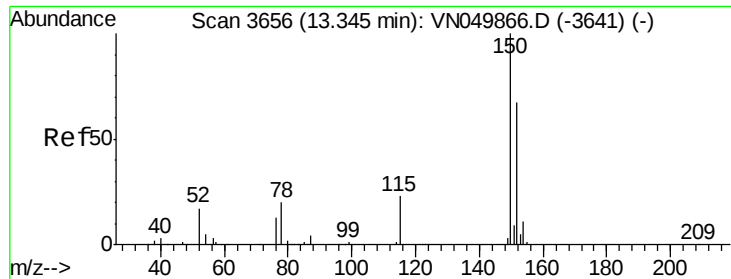
MMDadoda
7/19/2018 4:28:51 PM



#71
Bromoform
Concen: 0.85 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
173	100		3227		
175	52.1	24.6	73.8		
254	0.0	0.2	0.2#		





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 208889

Ion Ratio Lower Upper

152 100

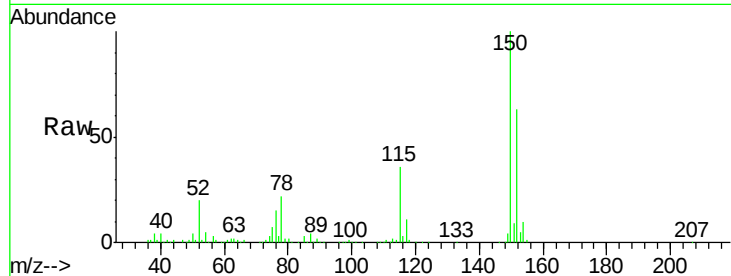
115 56.1 28.1 84.2

150 158.2 0.0 347.6

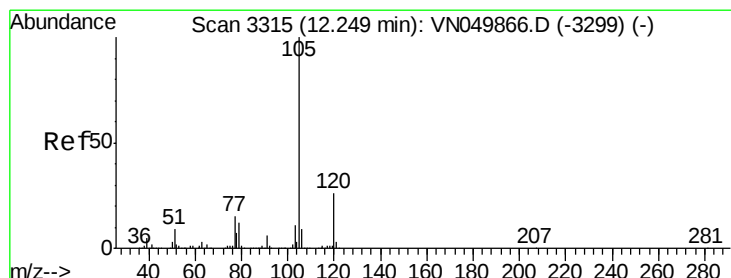
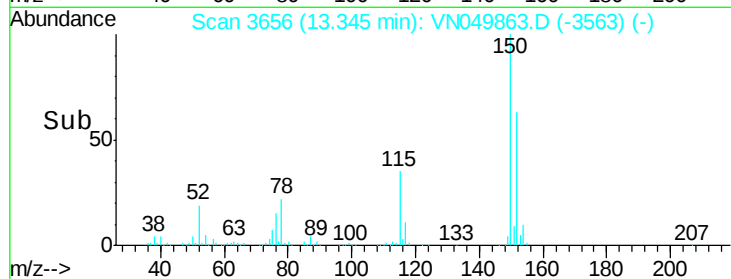
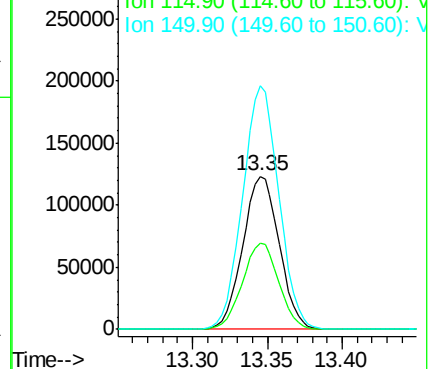
Manual Integrations
APPROVED

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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: 0.96 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049863.D

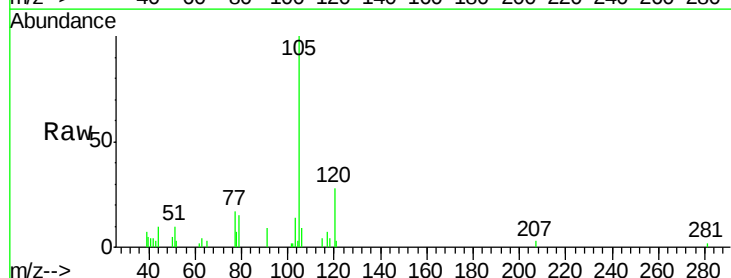
Acq: 18 Jul 2018 10:15

Tgt Ion:105 Resp: 14582

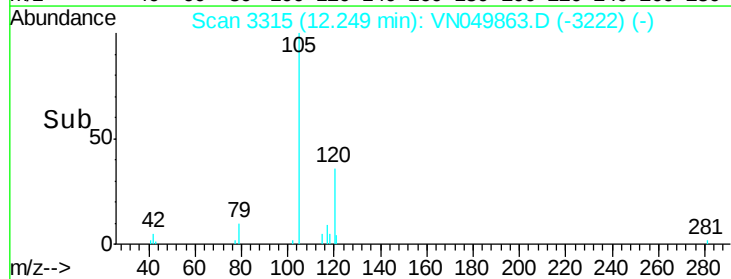
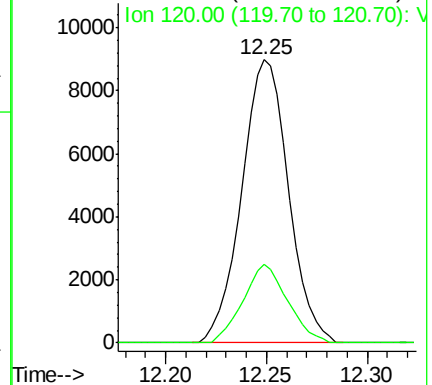
Ion Ratio Lower Upper

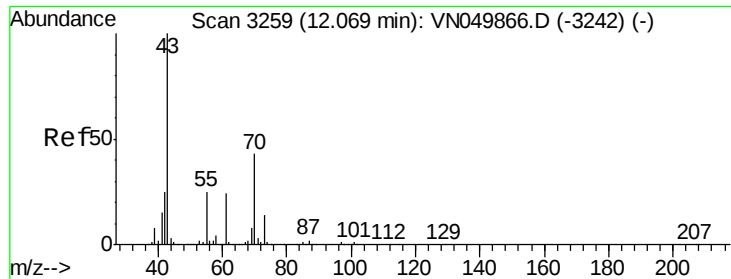
105 100

120 26.5 13.3 39.8



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





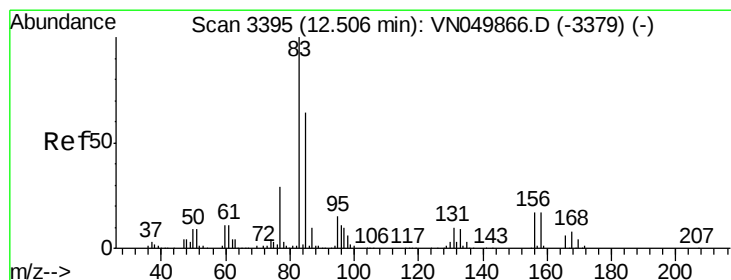
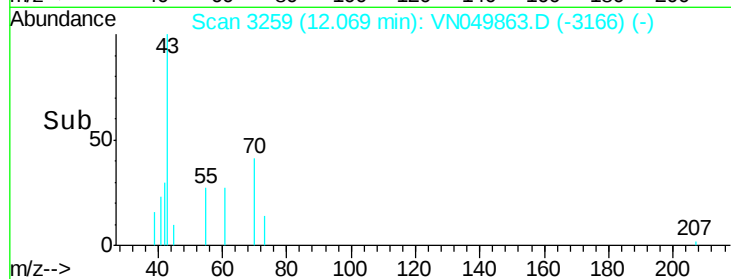
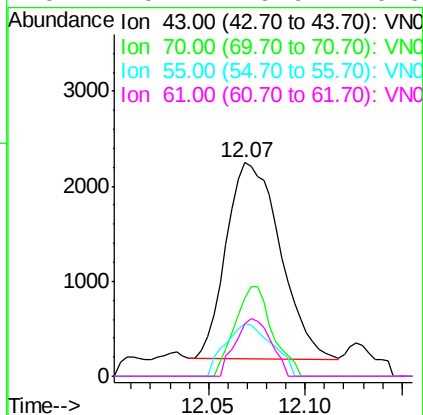
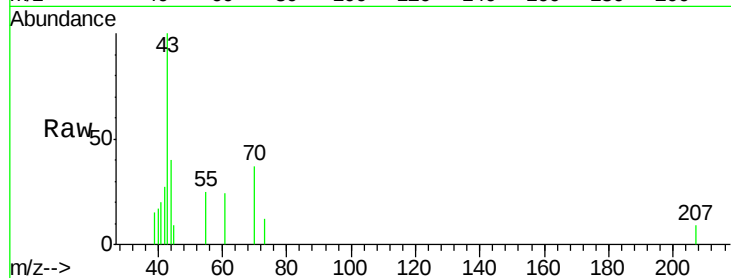
#74
N-amvl acetate
Concen: 0.81 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	31.7	34.8	52.2#
55	23.2	20.9	31.3
61	19.1	19.9	29.9#

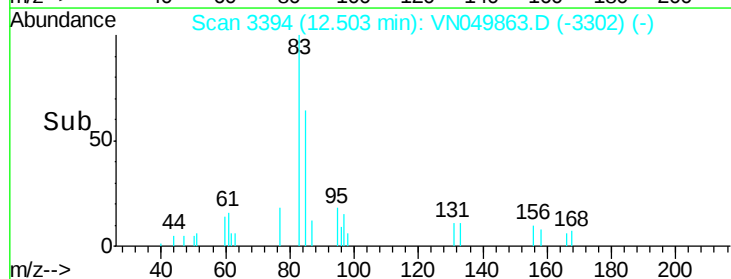
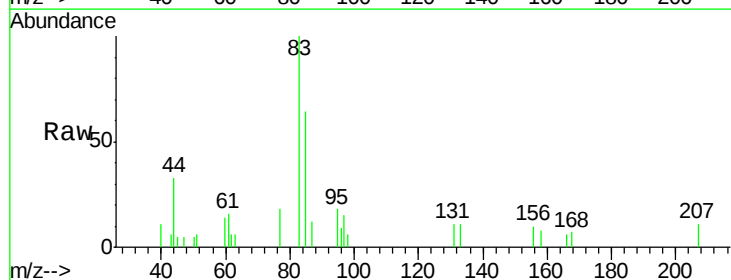
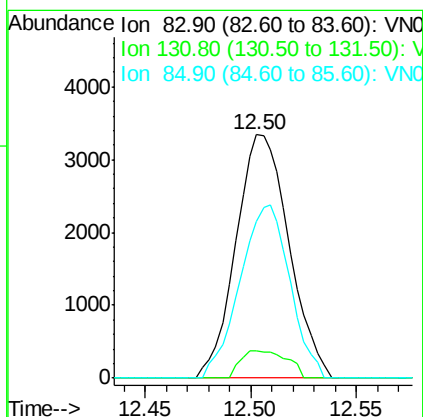
Manual Integrations
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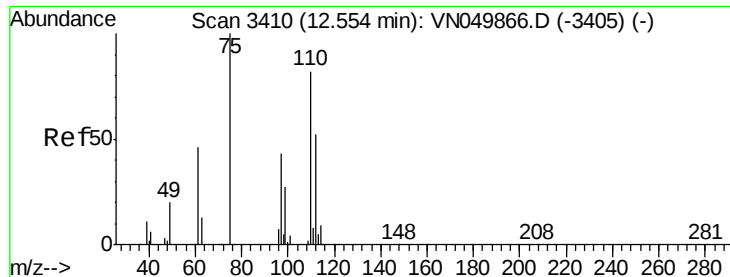
MMDadoda
7/19/2018 4:28:51 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 1.20 ug/l
RT: 12.50 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.2	15.6
85	66.9	32.5	97.4





#76

1,2,3-Trichloropropane

Concen: 1.11 ug/l m

RT: 12.55 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 4542

Ion Ratio Lower Upper

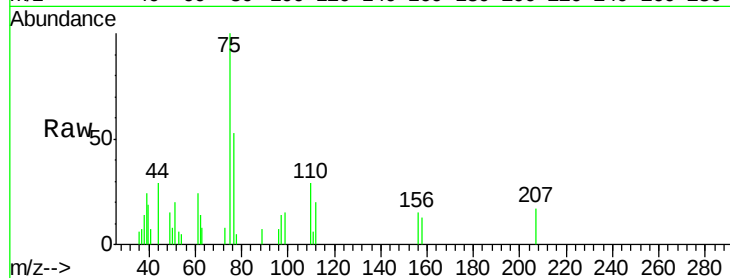
75 100

77 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049866.D (-3405) (-)

5000

4000

3000

2000

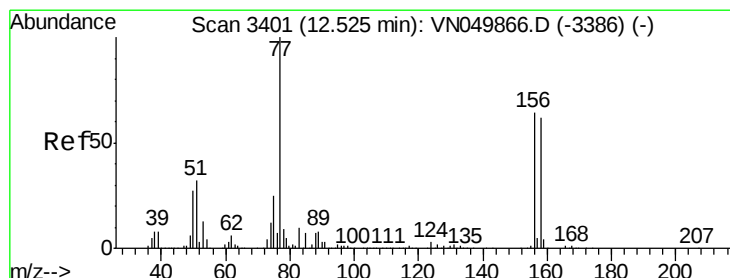
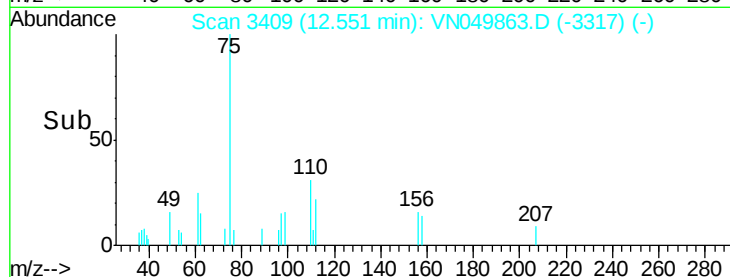
1000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 1.13 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

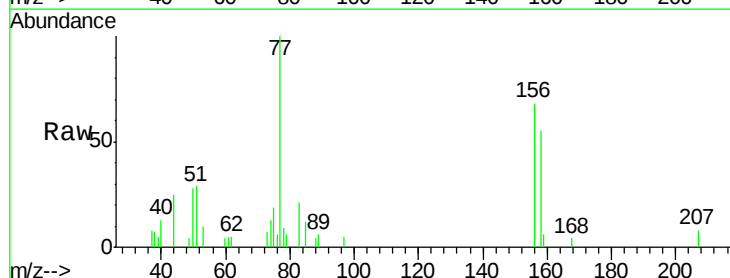
Tgt Ion: 156 Resp: 4691

Ion Ratio Lower Upper

156 100

77 192.6 90.2 270.6

158 88.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): VN049866.D (-3386) (-)

Ion 77.00 (76.70 to 77.70): VN049866.D (-3386) (-)

Ion 157.80 (157.50 to 158.50): VN049866.D (-3386) (-)

5000

4000

3000

2000

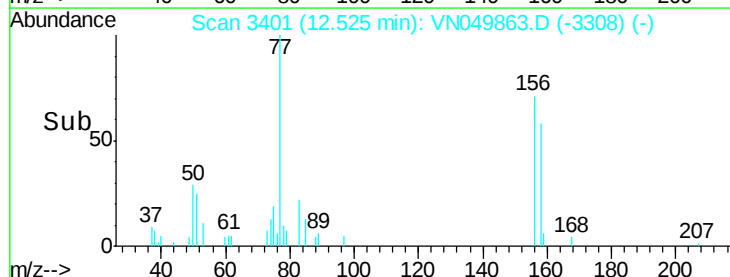
1000

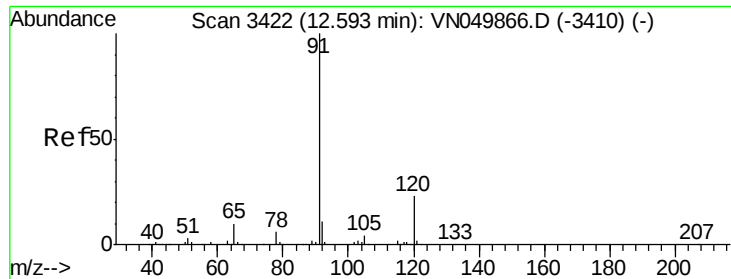
0

12.53

12.55

Time-->





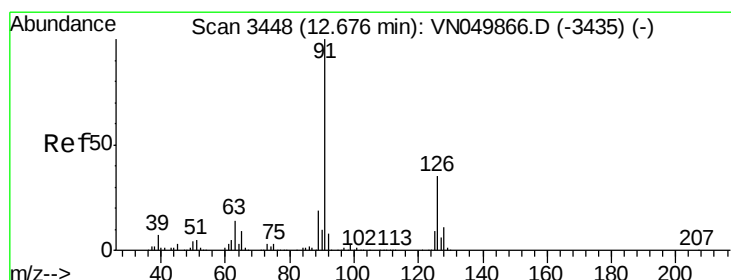
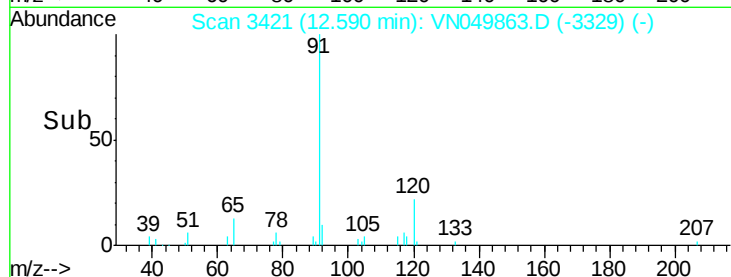
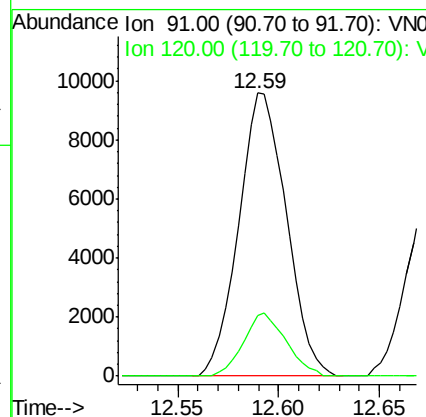
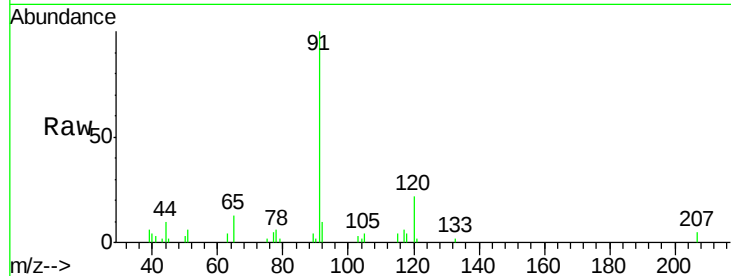
#78
n-propylbenzene
Concen: 0.93 ug/l
RT: 12.59 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 15865
Ion Ratio Lower Upper
91 100
120 19.8 11.5 34.4

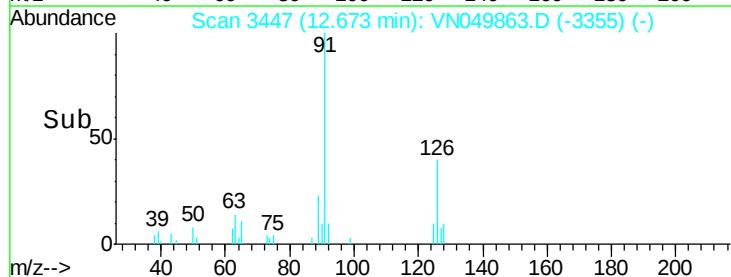
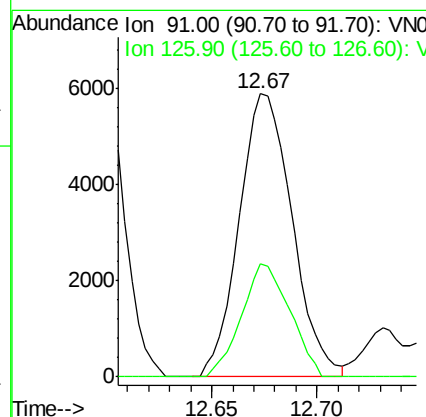
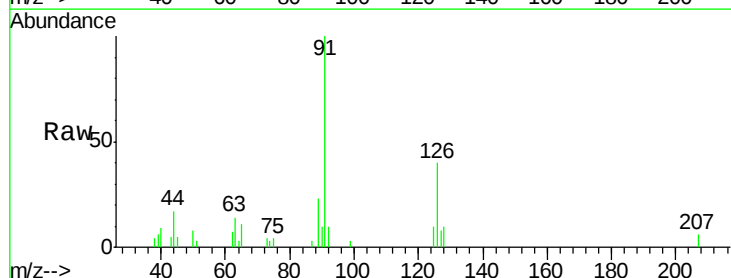
Manual Integrations
APPROVED

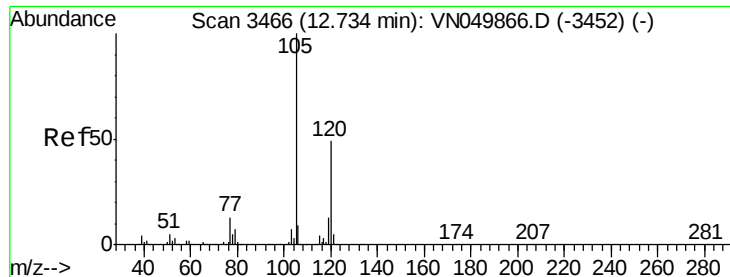
MMDadoda
7/19/2018 4:28:51 PM



#79
2-Chlorotoluene
Concen: 0.98 ug/l
RT: 12.67 min Scan# 3447
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion: 91 Resp: 10296
Ion Ratio Lower Upper
91 100
126 36.4 17.5 52.5





#80

1,3,5-Trimethylbenzene

Concen: 0.88 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 10463

Ion Ratio Lower Upper

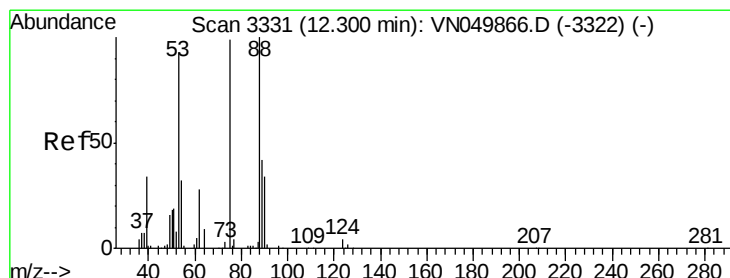
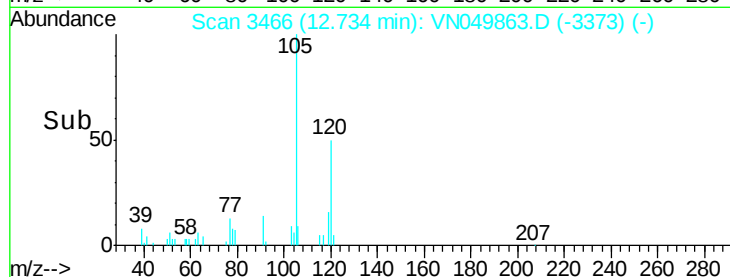
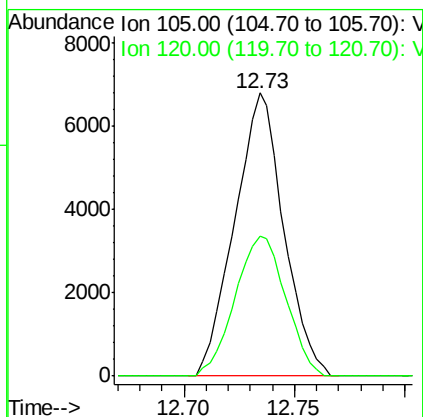
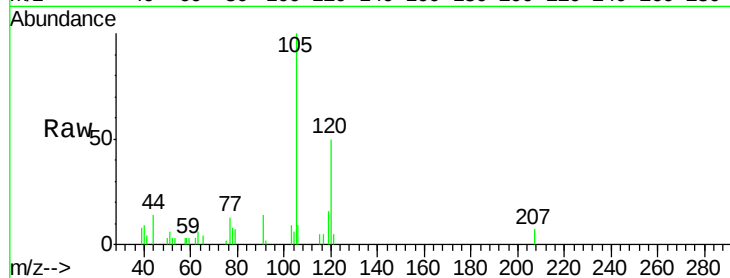
105 100

120 51.2 24.3 72.8

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#81

trans-1,4-Dichloro-2-butene

Concen: 0.98 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

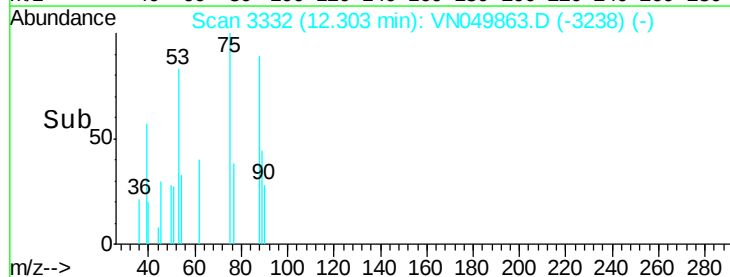
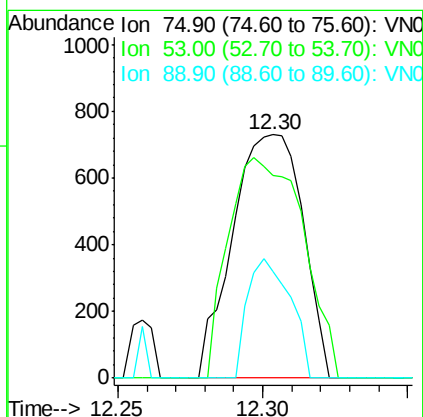
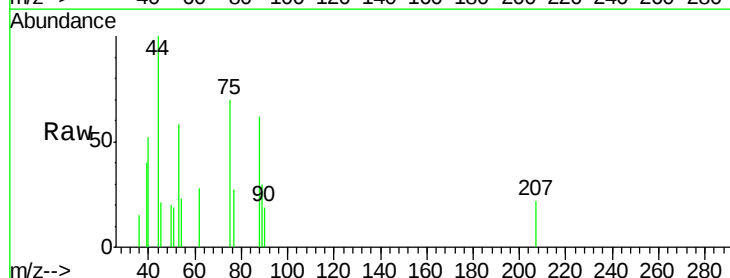
Tgt Ion: 75 Resp: 1228

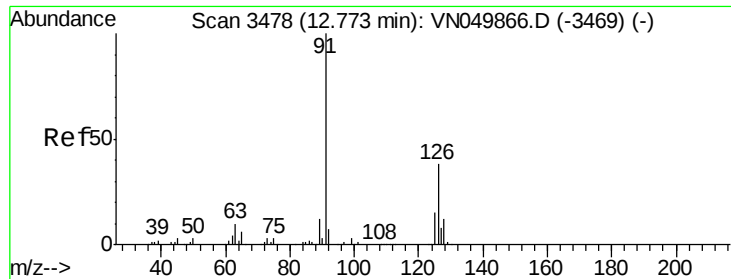
Ion Ratio Lower Upper

75 100

53 96.3 73.9 110.9

89 29.9 35.9 53.9#





#82

4-Chlorotoluene

Concen: 0.93 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 9668

Ion Ratio Lower Upper

91 100

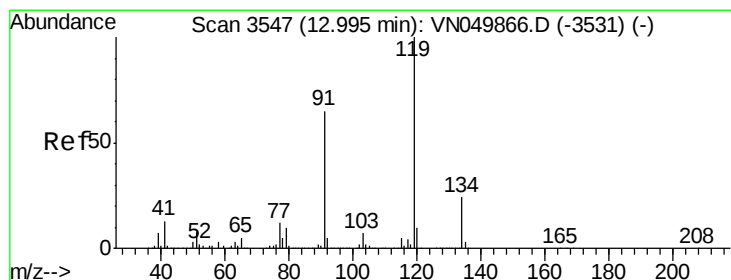
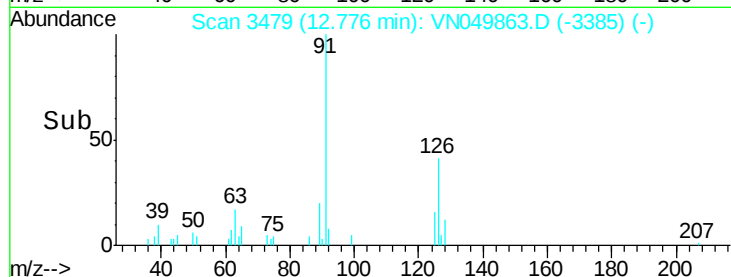
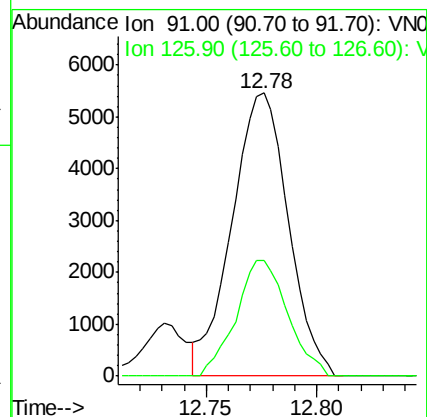
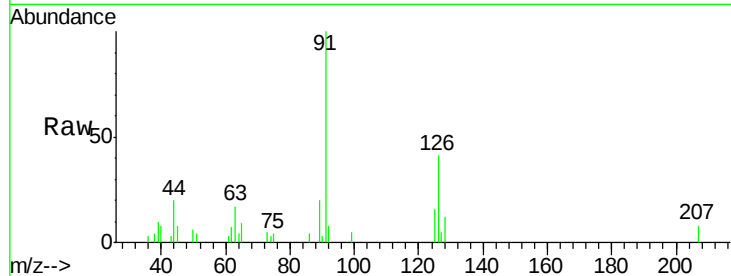
126 37.4 17.2 51.6

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#83

tert-Butylbenzene

Concen: 0.96 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

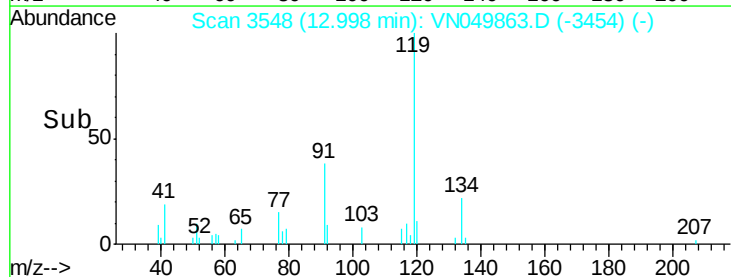
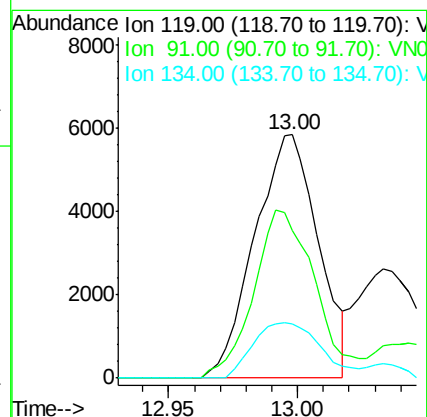
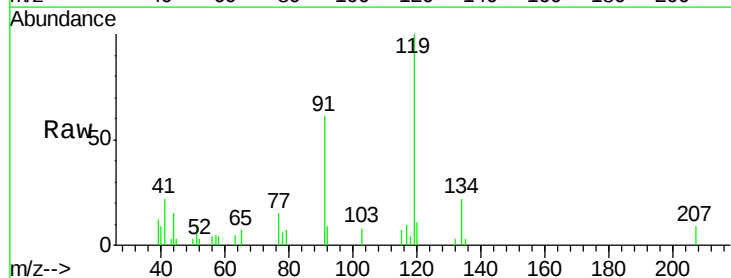
Tgt Ion: 119 Resp: 10024

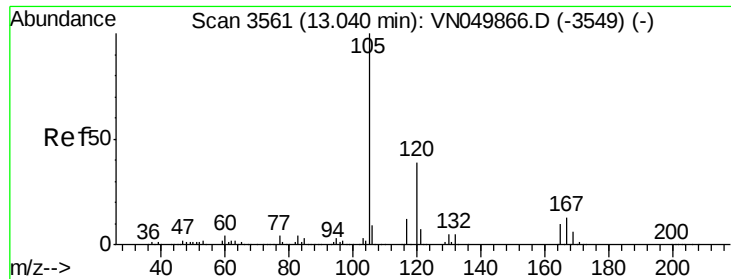
Ion Ratio Lower Upper

119 100

91 66.2 32.0 96.2

134 24.2 12.8 38.4





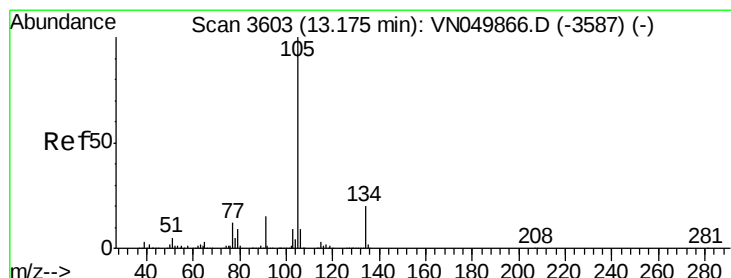
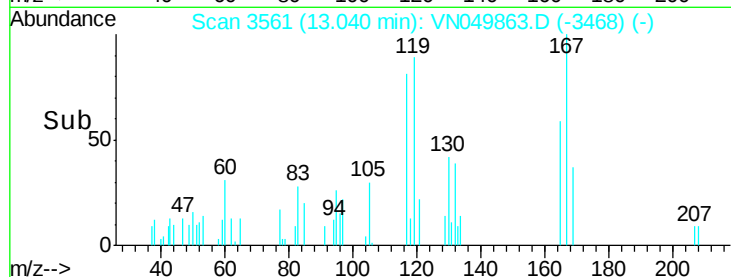
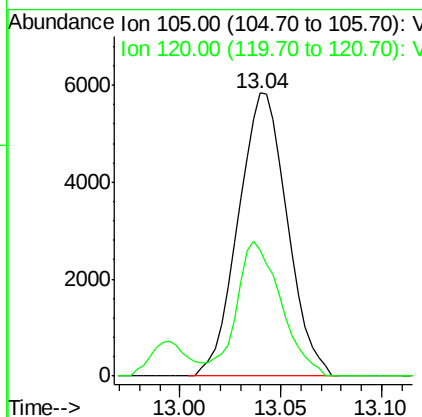
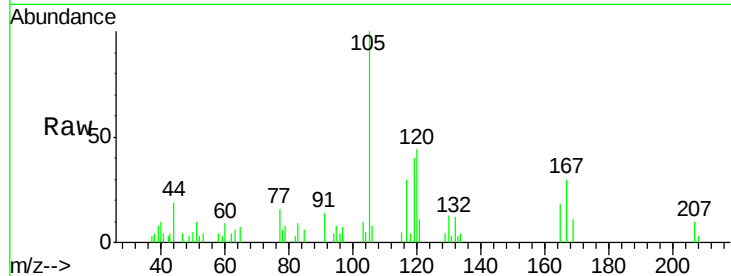
#84
1,2,4-Trimethylbenzene
Concen: 0.82 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:105 Resp: 9922
Ion Ratio Lower Upper
105 100
120 43.5 22.7 68.1

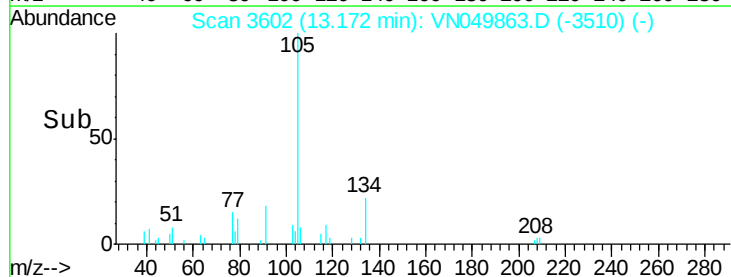
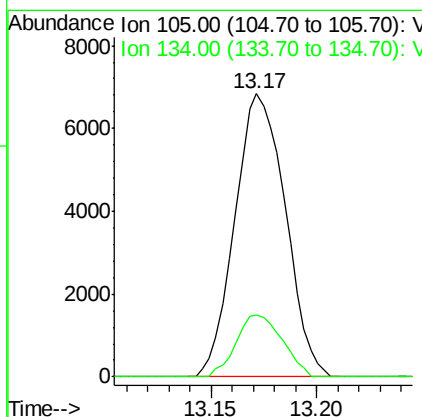
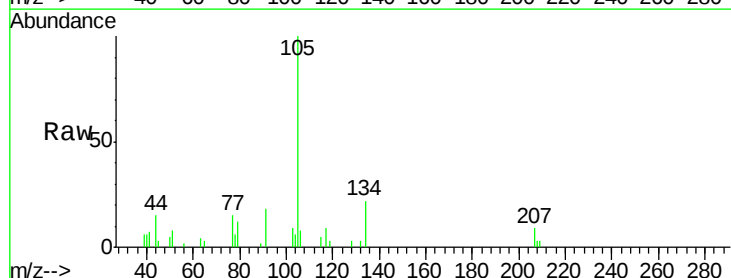
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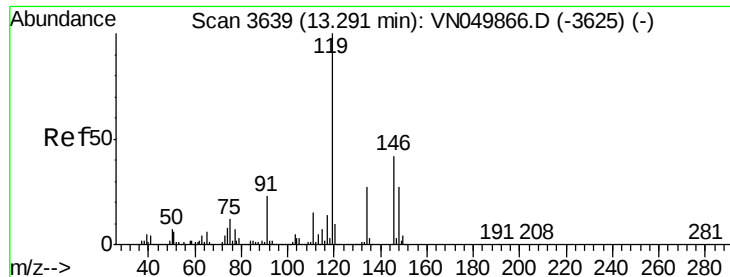
MMDadoda
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#85
sec-Butylbenzene
Concen: 0.81 ug/l
RT: 13.17 min Scan# 3602
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion:105 Resp: 11371
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1





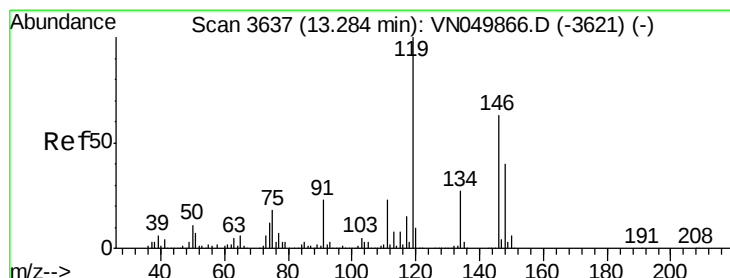
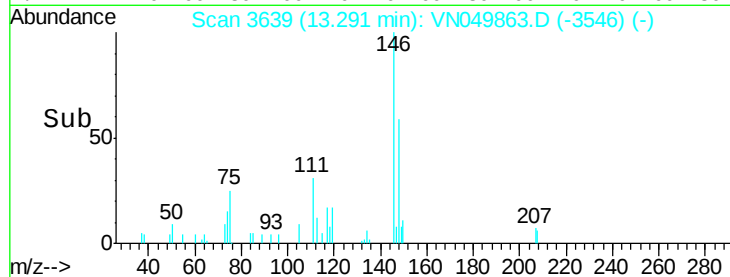
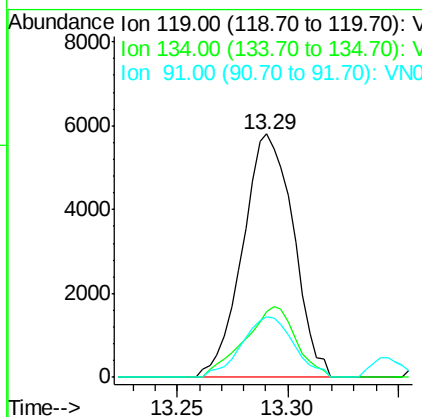
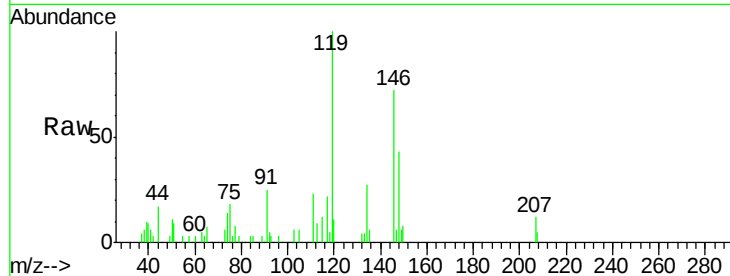
#86
p-Isopropyltoluene
Concen: 0.78 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	119	Resp:	9219
Ion Ratio	Lower	Upper	
119	100		
134	29.3	13.3	39.9
91	25.5	11.4	34.1

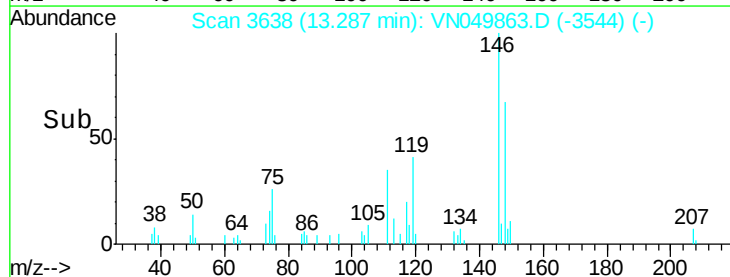
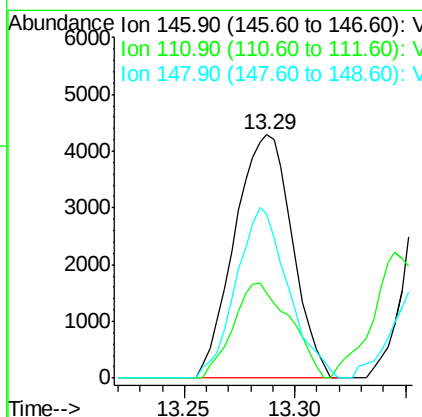
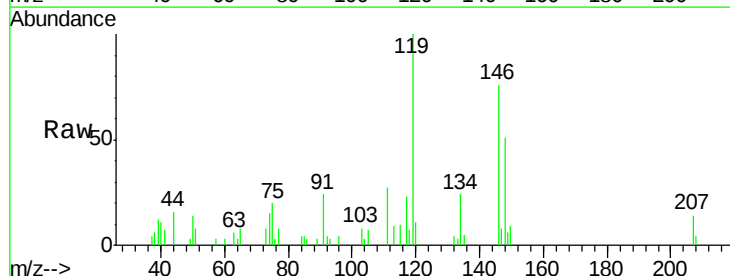
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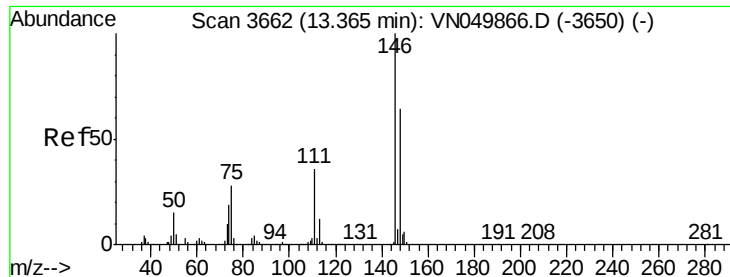
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#87
1,3-Dichlorobenzene
Concen: 1.09 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion:	146	Resp:	7742
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.0	57.0
148	63.4	32.5	97.5





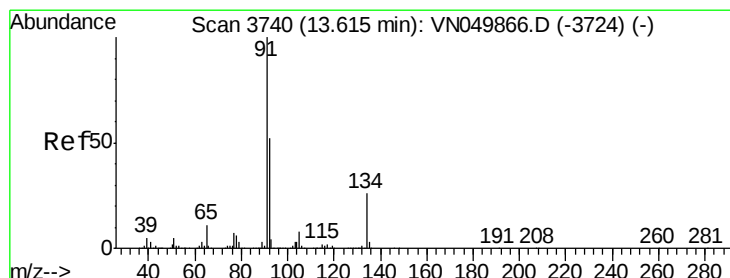
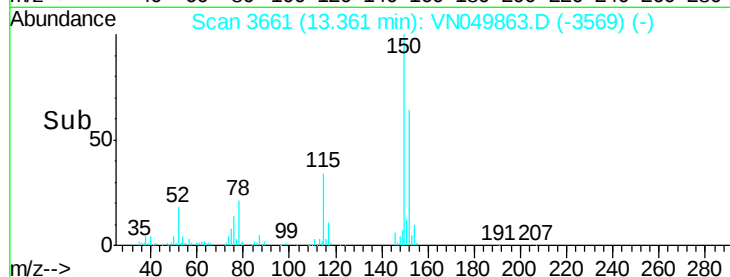
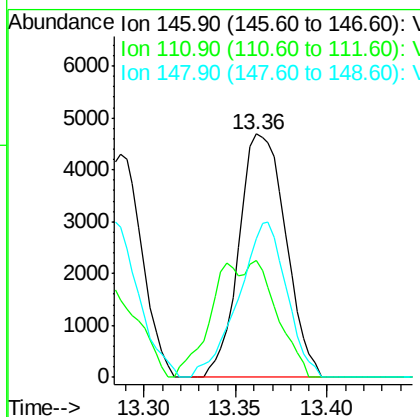
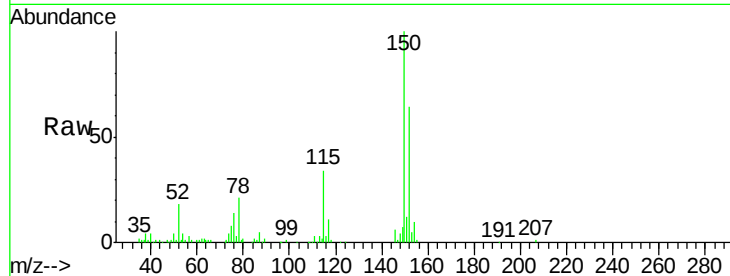
#88
 1,4-Dichlorobenzene
 Concen: 1.19 ug/l m
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.9	56.5
148	58.9	32.1	96.3

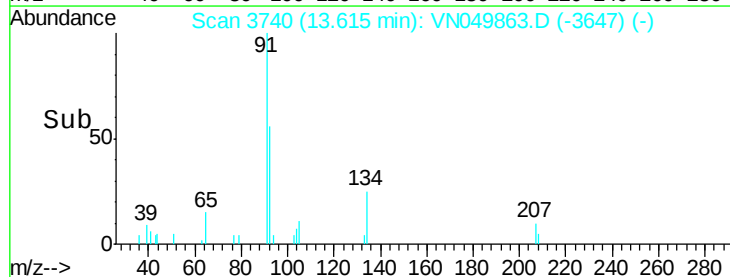
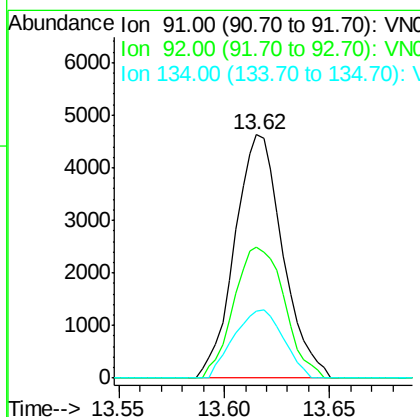
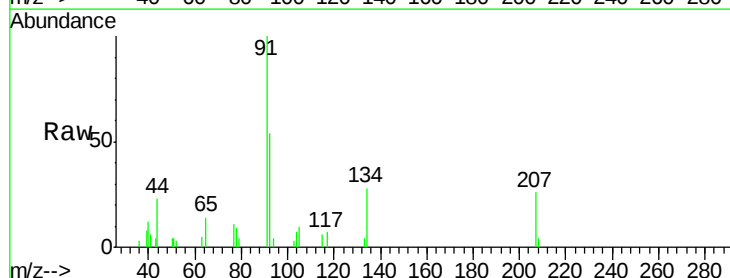
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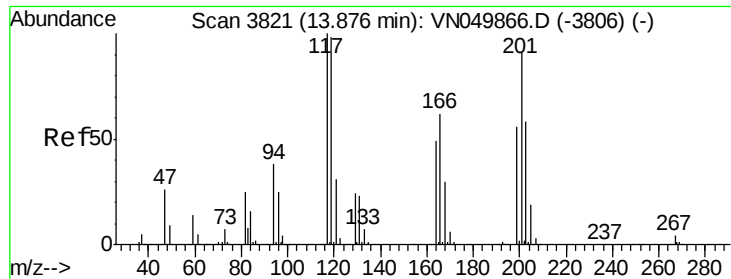
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#89
 n-Butylbenzene
 Concen: 0.75 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	25.8	77.3
134	28.9	13.0	38.9





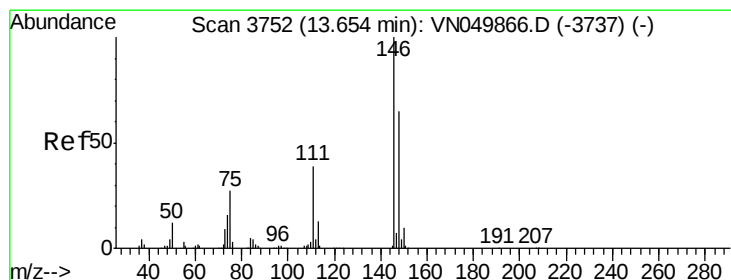
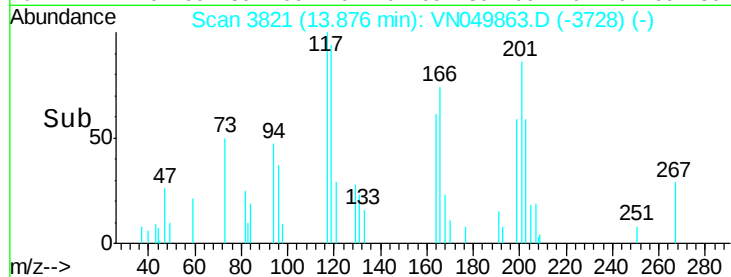
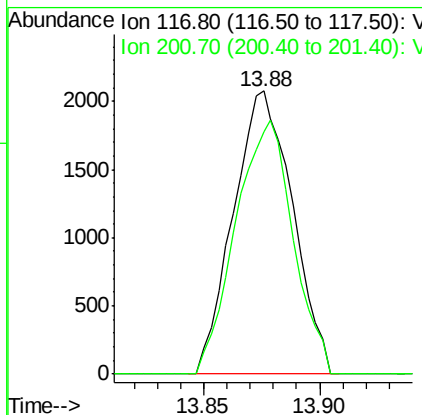
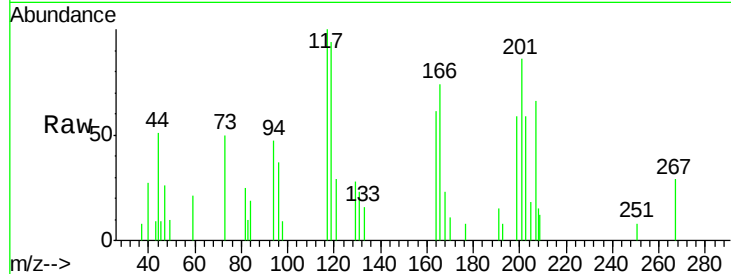
#90
Hexachloroethane
Concen: 1.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 3671
Ion Ratio Lower Upper
117 100
201 87.1 45.3 135.8

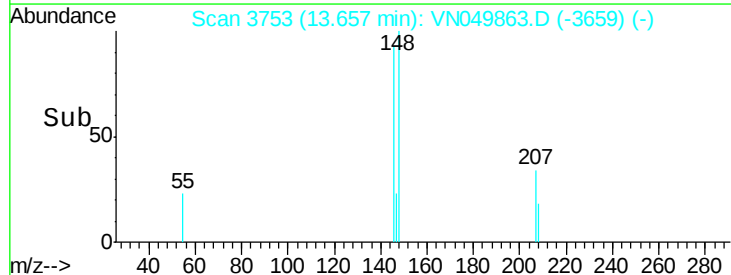
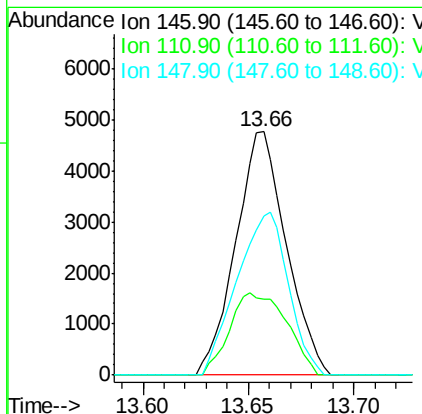
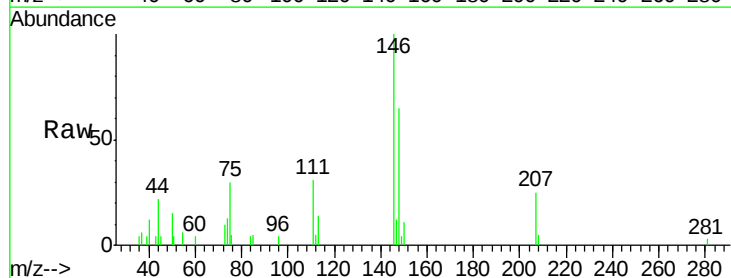
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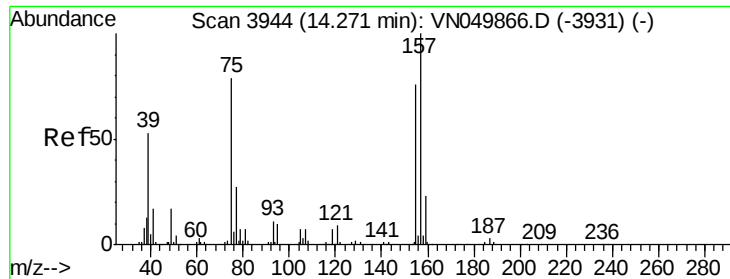
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#91
1,2-Dichlorobenzene
Concen: 1.09 ug/l
RT: 13.66 min Scan# 3753
Delta R.T. 0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion:146 Resp: 7927
Ion Ratio Lower Upper
146 100
111 38.0 19.7 59.1
148 68.0 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.08 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Instrument :

MSVOA_N

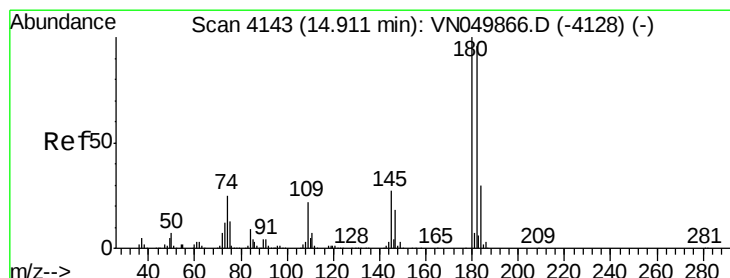
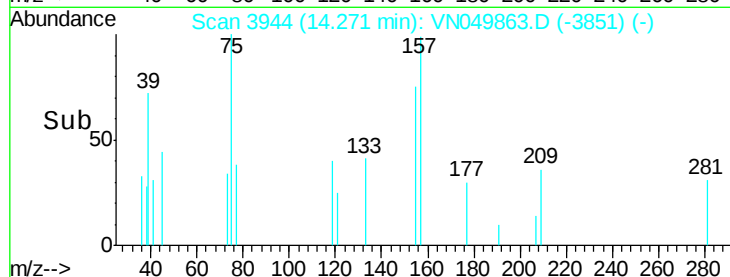
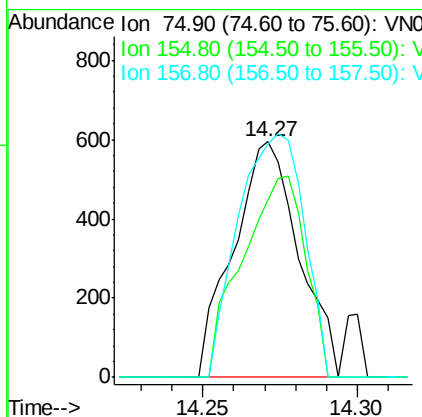
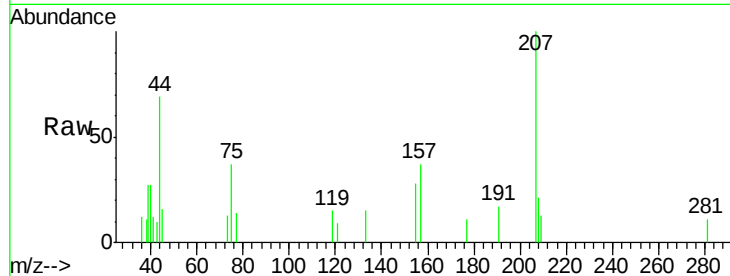
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	879
Ion	Ratio	Lower	Upper
75	100		
155	82.4	45.7	137.1
157	103.6	56.9	170.7

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#93

1,2,4-Trichlorobenzene

Concen: 0.69 ug/l

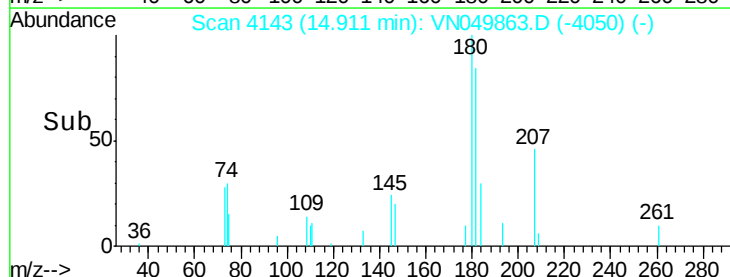
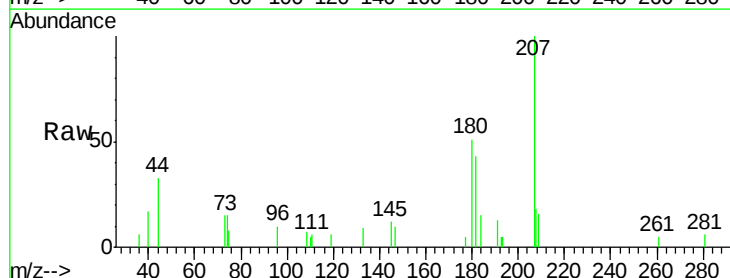
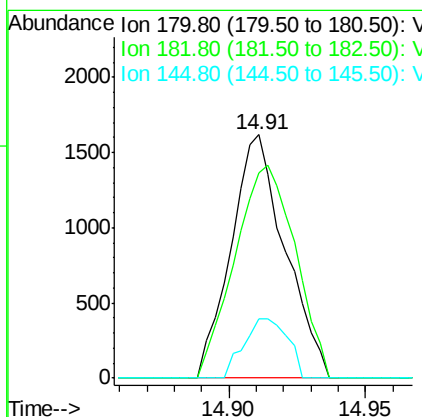
RT: 14.91 min Scan# 4143

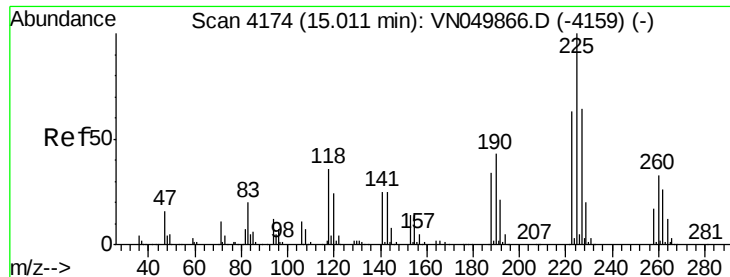
Delta R.T. -0.00 min

Lab File: VN049863.D

Acq: 18 Jul 2018 10:15

Tgt Ion:	180	Resp:	2224
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.3	141.9
145	19.7	14.4	43.0





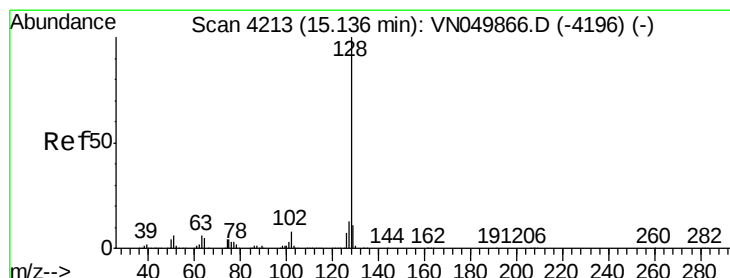
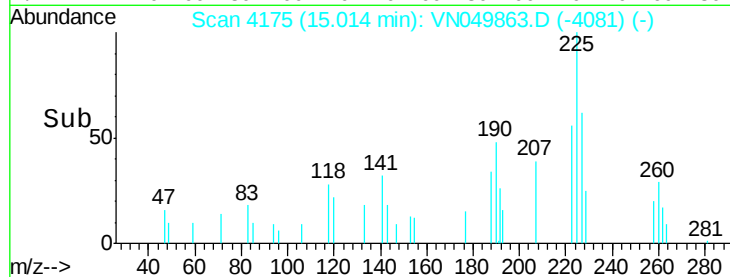
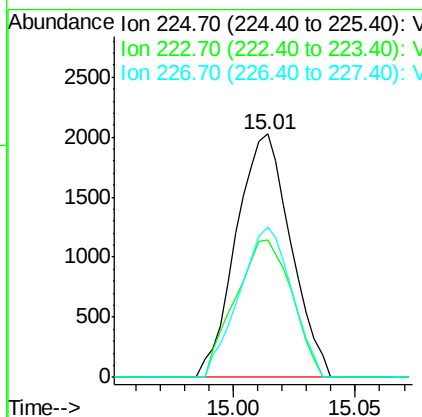
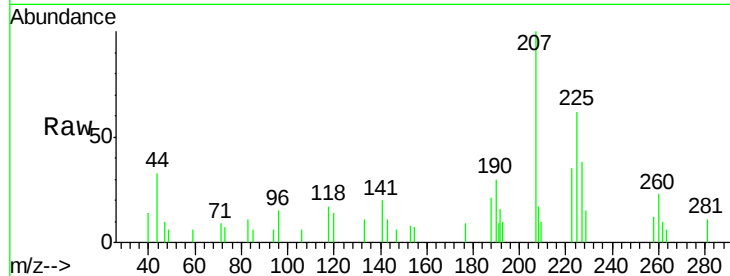
#94
Hexachlorobutadiene
Concen: 1.39 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	225	Resp:	3146
Ion Ratio	Lower	Upper	
225	100		
223	58.4	30.9	92.7
227	59.1	31.8	95.4

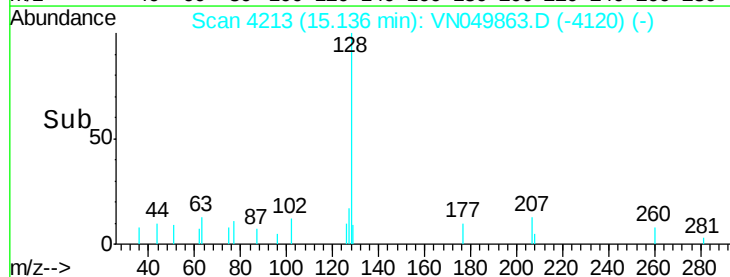
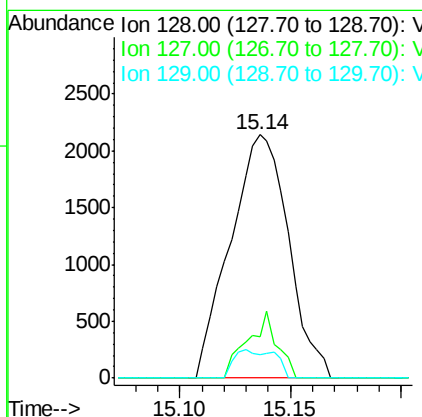
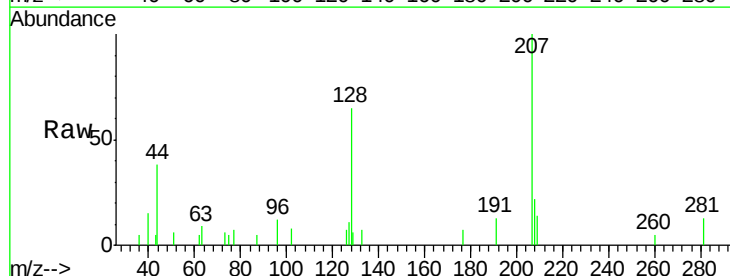
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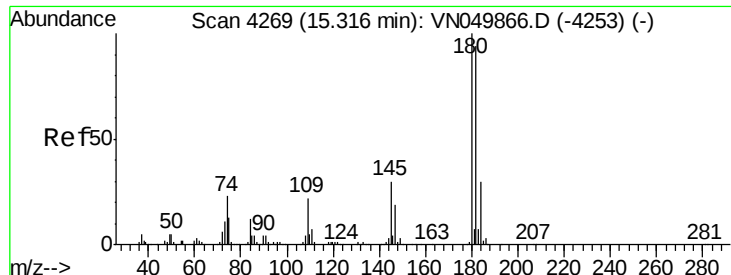
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#95
Naphthalene
Concen: 0.51 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN049863.D
Acq: 18 Jul 2018 10:15

Tgt Ion:	128	Resp:	3905
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.4	15.6
129	5.2	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.89 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049863.D
 Acq: 18 Jul 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.5	47.4	142.2
145	23.4	15.2	45.6

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