

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049412.D
 Acq On : 20 Jun 2018 3:38
 Operator : MD\SY
 Sample : VN0619WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 4:54:03 PM

Quant Time: Jun 20 07:22:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1460061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2260068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2001047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	921344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	906807	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	828112	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
50) Toluene-d8	10.09	98	3071032	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
62) 4-Bromofluorobenzene	12.40	95	978352	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	332378	19.778	ug/l	99
3) Chloromethane	2.06	50	407350	18.771	ug/l	96
4) Vinyl Chloride	2.18	62	446760	19.371	ug/l	100
5) Bromomethane	2.57	94	239776	19.777	ug/l	98
6) Chloroethane	2.71	64	276252	20.089	ug/l	100
7) Trichlorofluoromethane	3.02	101	577151	20.060	ug/l	99
8) Diethyl Ether	3.41	74	197543	19.666	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	351782	19.277	ug/l	93
10) Methyl Iodide	3.95	142	376021	19.794	ug/l	92
11) Tert butyl alcohol	4.80	59	105764	93.053	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	326182	19.484	ug/l	91
13) Acrolein	3.61	56	160652	134.783	ug/l	99
14) Allyl chloride	4.32	41	493693	18.677	ug/l	89
15) Acrylonitrile	4.99	53	545987	96.067	ug/l	97
16) Acetone	3.82	43	380559	80.936	ug/l	89
17) Carbon Disulfide	4.05	76	978649	18.651	ug/l	99
18) Methyl Acetate	4.33	43	284103	19.816	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	843784	19.769	ug/l	99
20) Methylene Chloride	4.55	84	374609	19.076	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	338163	19.080	ug/l	90
22) Diisopropyl ether	5.96	45	1072258	20.313	ug/l	96
23) Vinyl Acetate	5.90	43	3334334	96.895	ug/l	95
24) 1,1-Dichloroethane	5.85	63	665103	19.686	ug/l	99
25) 2-Butanone	6.84	43	572213	90.632	ug/l	97
26) 2,2-Dichloropropane	6.83	77	378152	13.859	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	390060	19.795	ug/l	88
28) Bromochloromethane	7.19	49	285802	19.081	ug/l	85
29) Tetrahydrofuran	7.22	42	384804	94.683	ug/l	94
30) Chloroform	7.37	83	668840	19.892	ug/l	98
31) Cyclohexane	7.66	56	569547	19.779	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	574459	20.024	ug/l	97
36) 1,1-Dichloropropene	7.79	75	491062	18.958	ug/l	97
37) Ethyl Acetate	6.94	43	276556	19.639	ug/l	98
38) Carbon Tetrachloride	7.78	117	505427	18.848	ug/l	98

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Quant Time: Jun 20 07:22:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	495805	17.832	ug/l	98
40) Benzene	8.04	78	1501999	18.914	ug/l	99
41) Methacrylonitrile	7.18	41	148890	19.558	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	464863	18.947	ug/l	96
43) Isopropyl Acetate	8.17	43	516813	19.209	ug/l	97
44) Trichloroethene	8.84	130	401670	19.154	ug/l	93
45) 1,2-Dichloropropane	9.12	63	390027	18.758	ug/l	98
46) Dibromomethane	9.21	93	227776	18.892	ug/l	92
47) Bromodichloromethane	9.40	83	500728	18.899	ug/l	97
48) Methyl methacrylate	9.20	41	244360	19.286	ug/l	87
49) 1,4-Dioxane	9.20	88	62195	355.669	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	1332491	94.495	ug/l	96
52) Toluene	10.16	92	916775	19.670	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	436666	17.228	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	525066	17.545	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	327697	18.860	ug/l	97
56) Ethyl methacrylate	10.43	69	373852	18.650	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	541803	18.823	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	472476	76.479	ug/l	94
59) 2-Hexanone	10.76	43	808473	88.930	ug/l	93
60) Dibromochloromethane	10.90	129	363321	18.735	ug/l	97
61) 1,2-Dibromoethane	11.01	107	307146	19.018	ug/l	99
64) Tetrachloroethene	10.63	164	440916	21.503	ug/l	98
65) Chlorobenzene	11.44	112	986405	19.135	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	367053	18.921	ug/l	99
67) Ethyl Benzene	11.51	91	1659465	19.408	ug/l	99
68) m/p-Xylenes	11.62	106	1272056	39.642	ug/l	97
69) o-Xylene	11.95	106	605904	19.604	ug/l	96
70) Styrene	11.97	104	966843	19.829	ug/l	99
71) Bromoform	12.13	173	236605	18.843	ug/l #	99
73) Isopropylbenzene	12.25	105	1604785	19.838	ug/l	98
74) N-amyl acetate	12.07	43	366783	18.511	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	350462	19.701	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	302567m	19.247	ug/l	
77) Bromobenzene	12.53	156	395921	18.529	ug/l	92
78) n-propylbenzene	12.59	91	1762867	19.847	ug/l	99
79) 2-Chlorotoluene	12.68	91	1109311	19.710	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1296805	20.395	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	78670	15.816	ug/l	96
82) 4-Chlorotoluene	12.78	91	1080038	19.892	ug/l	98
83) tert-Butylbenzene	13.00	119	1113703	19.771	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1297397	20.540	ug/l	99
85) sec-Butylbenzene	13.17	105	1438319	19.184	ug/l	99
86) p-Isopropyltoluene	13.29	119	1198998	19.141	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	660788	18.798	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	651247	18.692	ug/l	100
89) n-Butylbenzene	13.62	91	847063	17.313	ug/l	98
90) Hexachloroethane	13.88	117	243409	19.497	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	667474	19.360	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49686	17.642	ug/l	90

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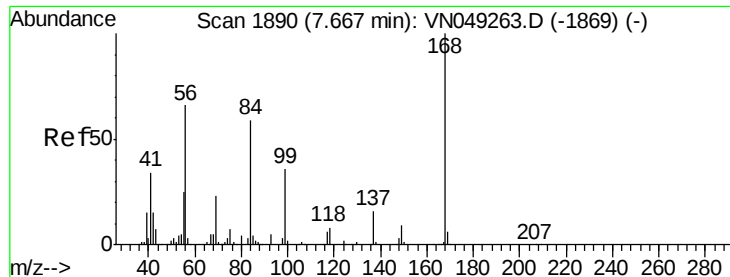
Manual Integrations
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6/20/2018 4:54:03 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203462	16.398	ug/l	98
94) Hexachlorobutadiene	15.01	225	200542	18.155	ug/l	98
95) Naphthalene	15.14	128	397409	16.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	230096	17.323	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion:168 Resp: 1460061

Ion Ratio Lower Upper

168 100

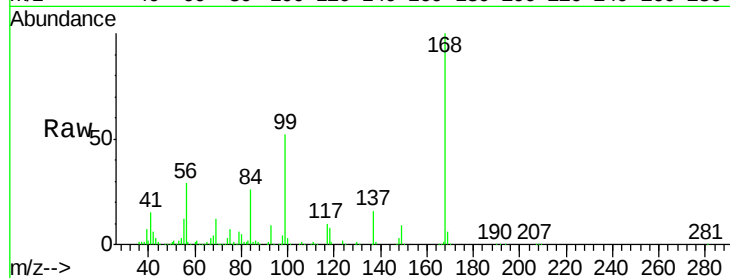
99 51.7 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

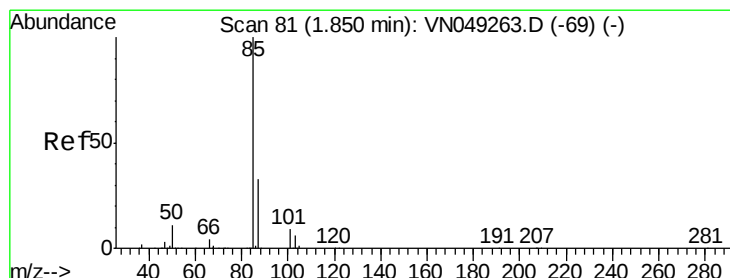
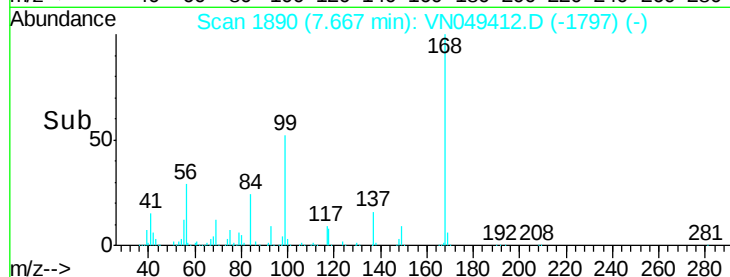
400000

200000

0

7.60 7.67 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.778 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049412.D

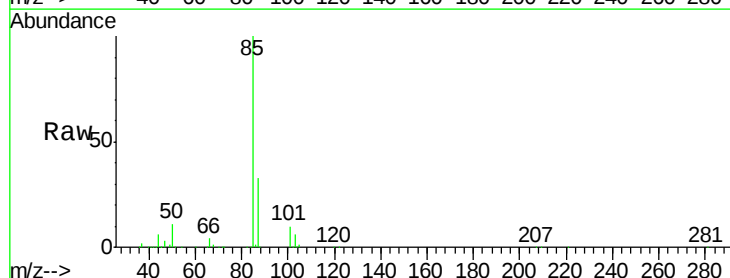
Acq: 20 Jun 2018 3:38

Tgt Ion: 85 Resp: 332378

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

250000

200000

150000

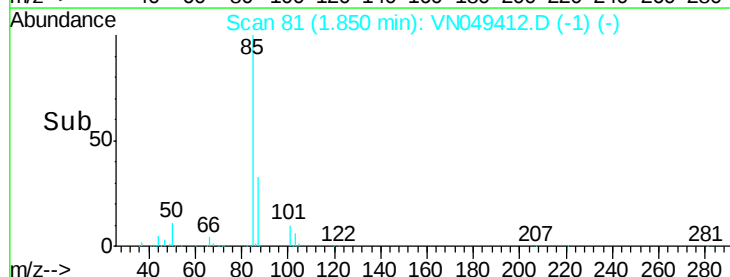
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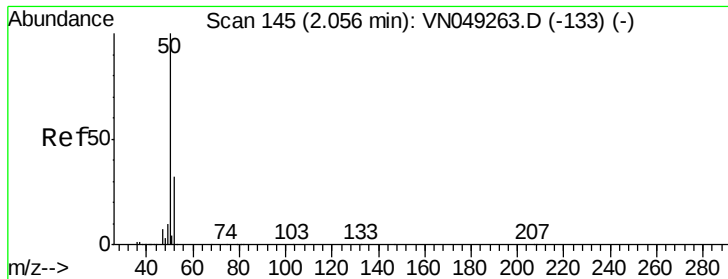
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.771 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 50 Resp: 407350

Ion Ratio Lower Upper

50 100

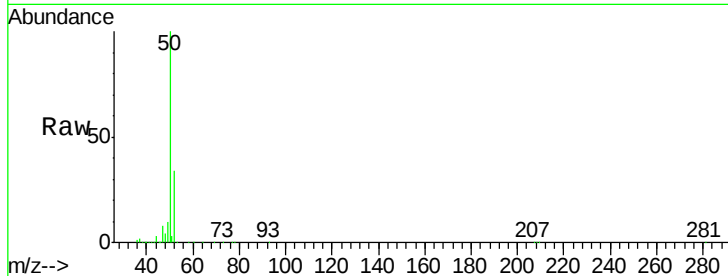
52 33.6 25.2 37.8

Manual Integrations

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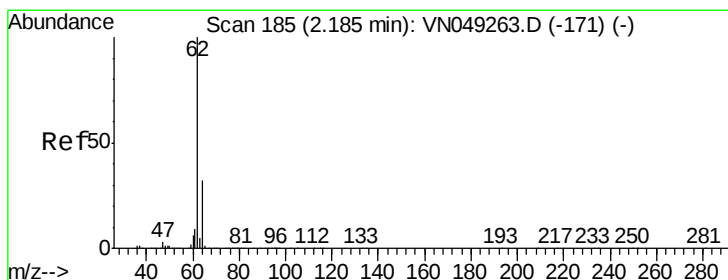
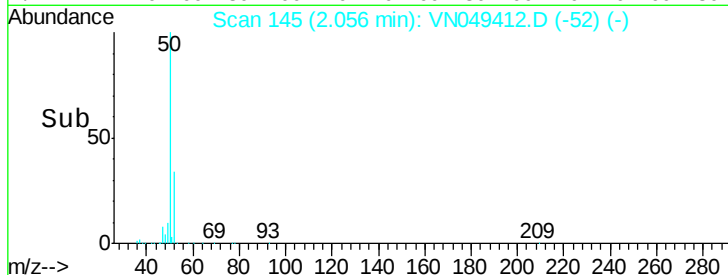
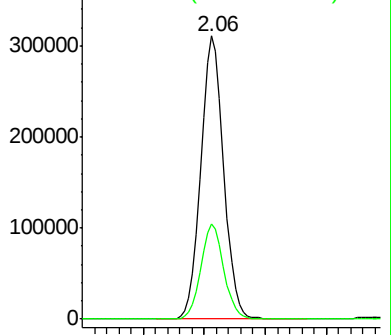
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.371 ug/l

RT: 2.18 min Scan# 185

Delta R.T. -0.00 min

Lab File: VN049412.D

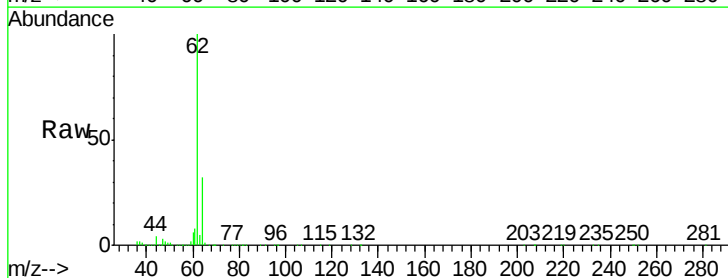
Acq: 20 Jun 2018 3:38

Tgt Ion: 62 Resp: 446760

Ion Ratio Lower Upper

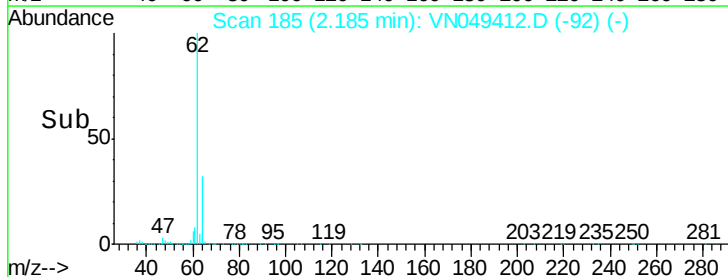
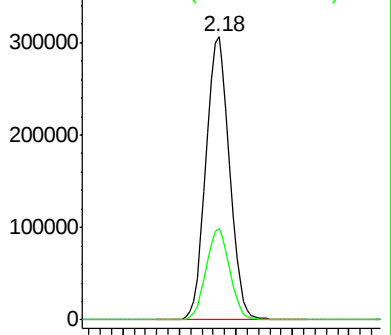
62 100

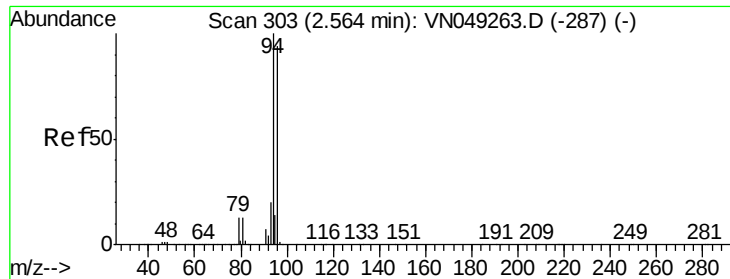
64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.777 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 94 Resp: 239776

Ion Ratio Lower Upper

94 100

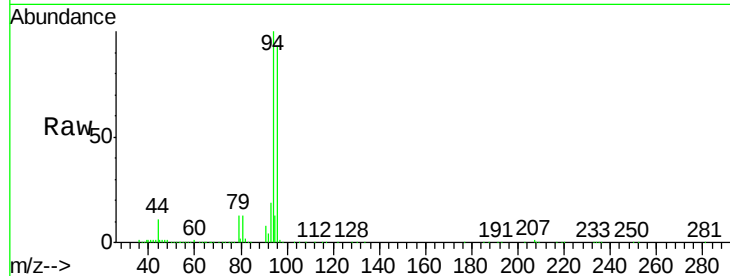
96 93.3 72.8 109.2

Manual Integrations

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6/20/2018 4:54:03 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

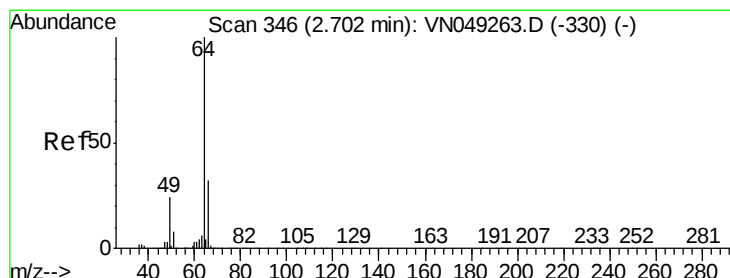
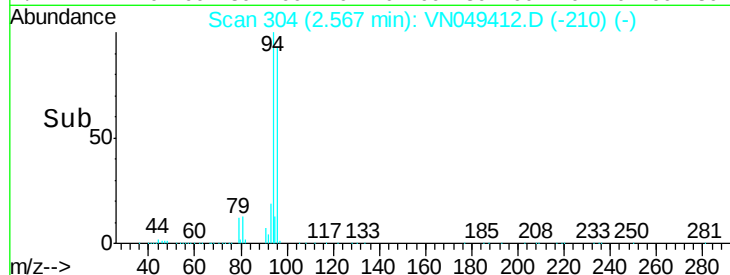
100000

50000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.089 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049412.D

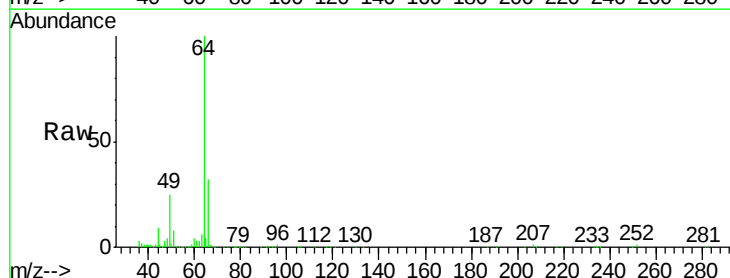
Acq: 20 Jun 2018 3:38

Tgt Ion: 64 Resp: 276252

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

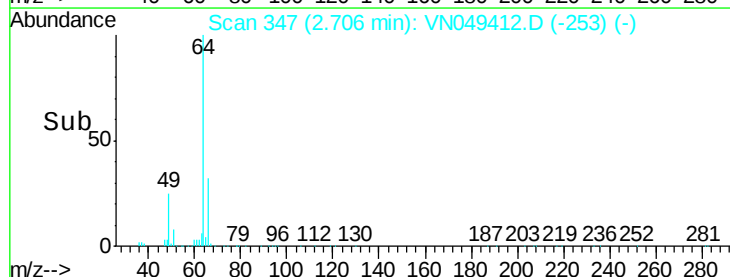
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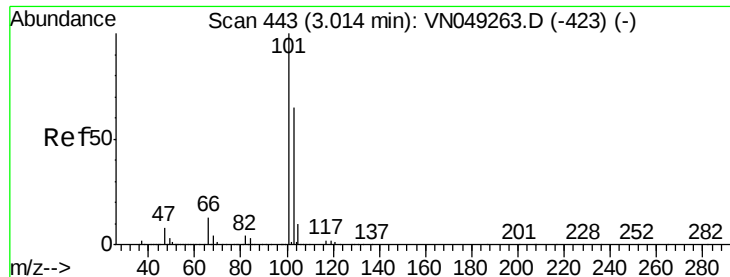
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#7

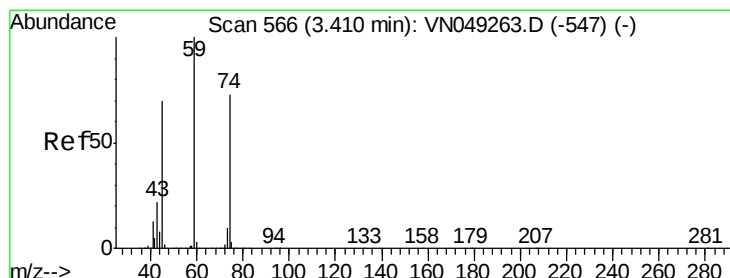
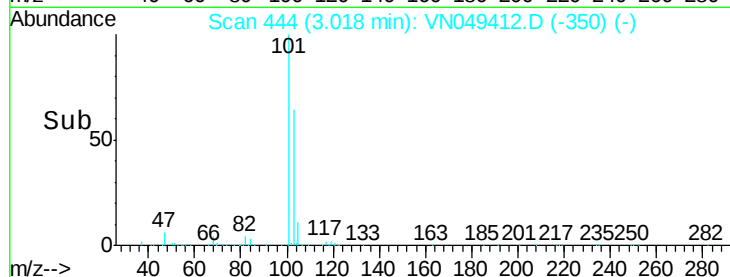
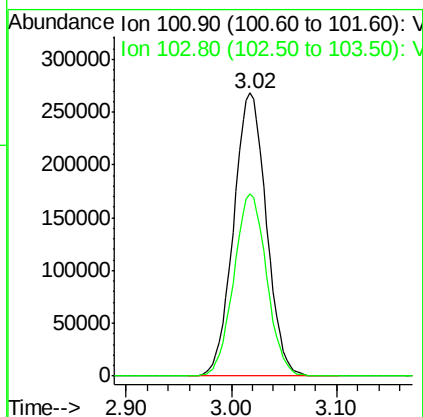
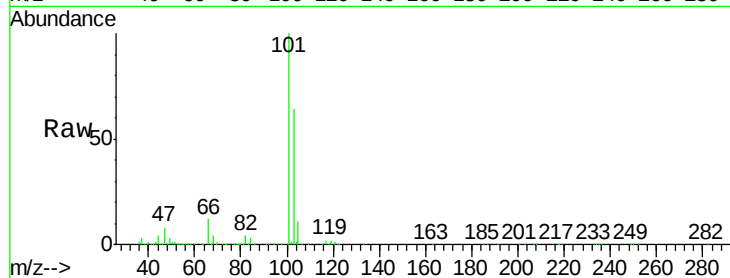
Trichlorofluoromethane
Concen: 20.060 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
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VN0619WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		577151		
103	64.2	51.7	77.5		

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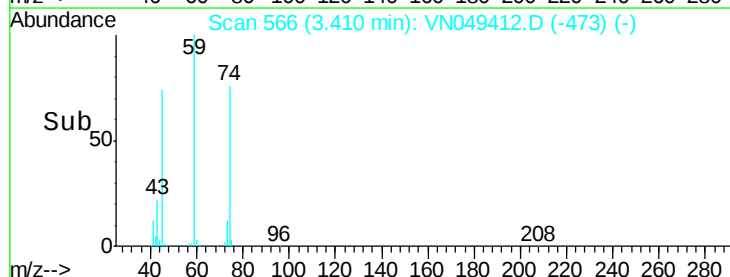
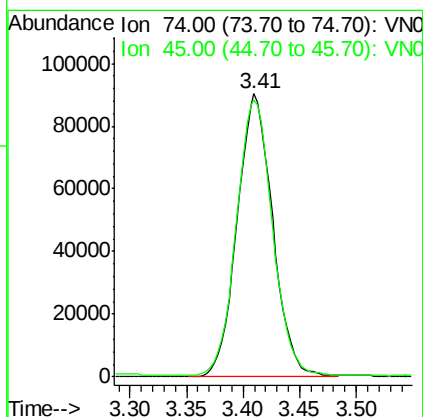
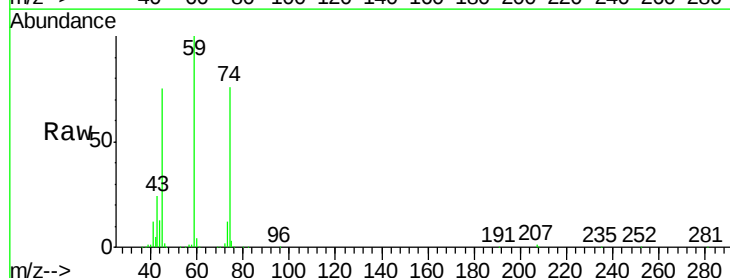
MMDadoda
6/20/2018 4:54:03 PM

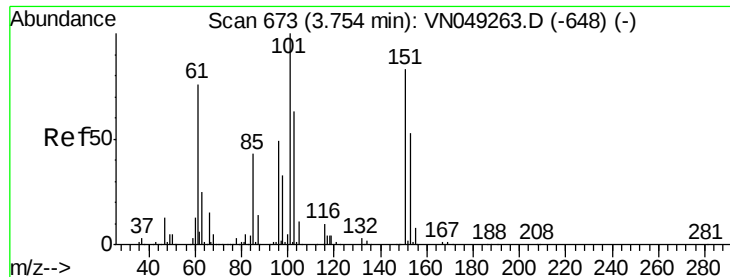


#8

Diethyl Ether
Concen: 19.666 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		197543		
45	99.2	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.277 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

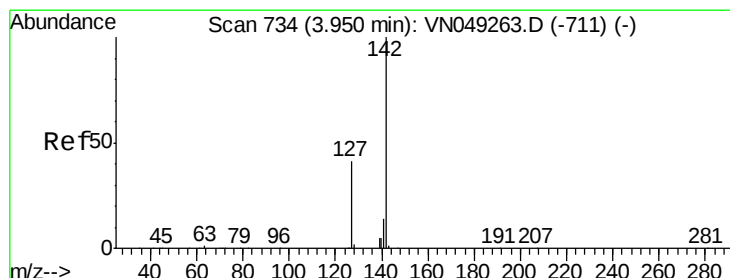
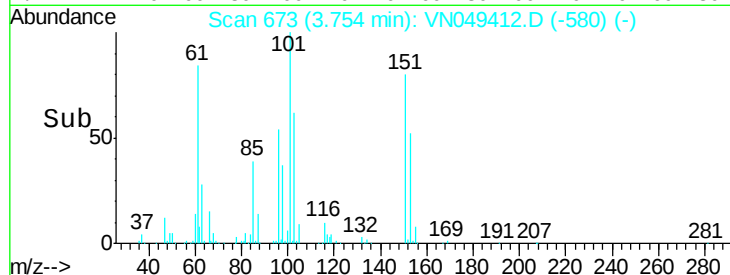
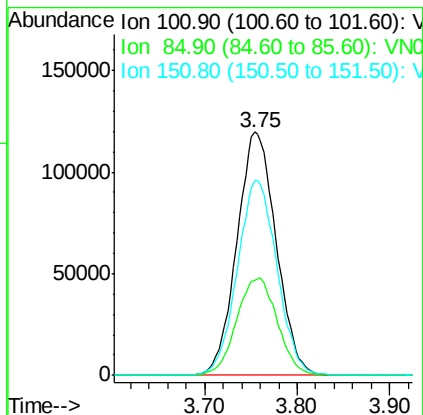
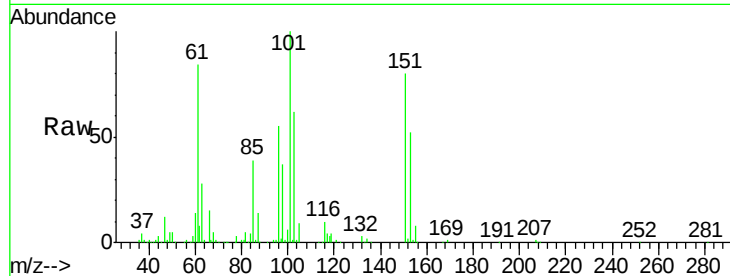
ClientSampleId :

VN0619WBSD02

Tot Ion:	101	Resp:	351782
Ion Ratio	Lower	Upper	
101	100		
85	41.5	37.6	56.4
151	81.1	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.794 ug/l

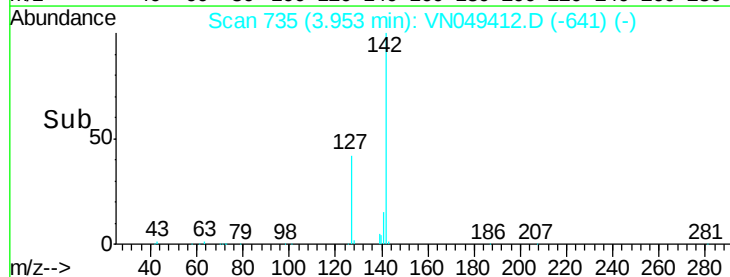
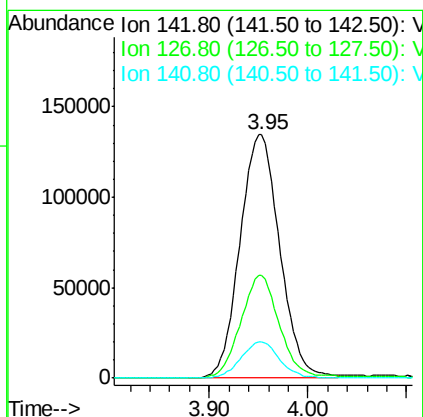
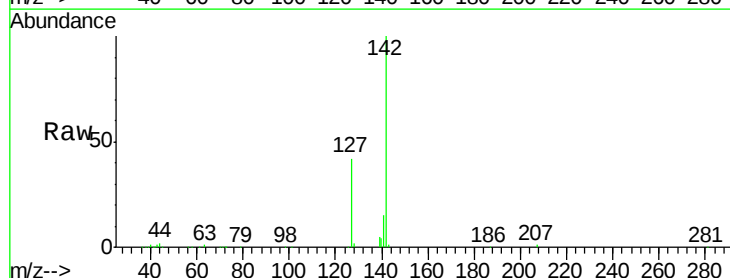
RT: 3.95 min Scan# 735

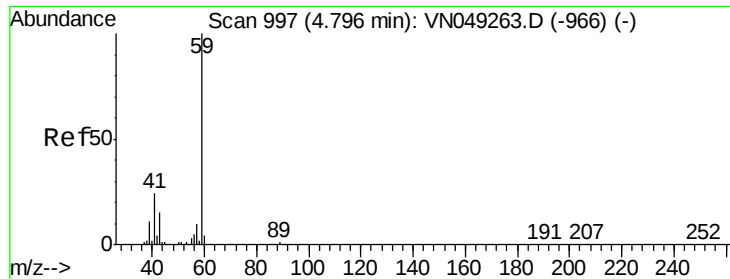
Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	142	Resp:	376021
Ion Ratio	Lower	Upper	
142	100		
127	40.7	38.2	57.4
141	14.4	11.9	17.9





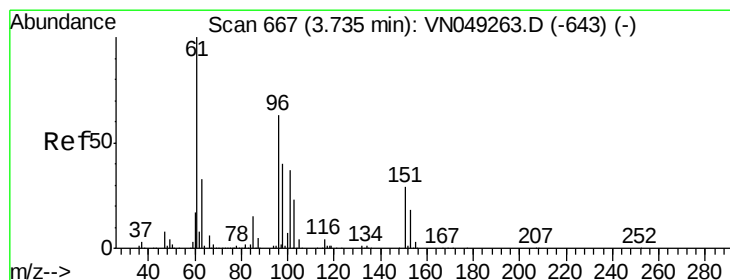
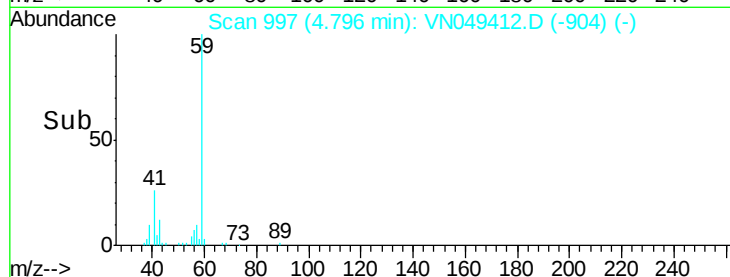
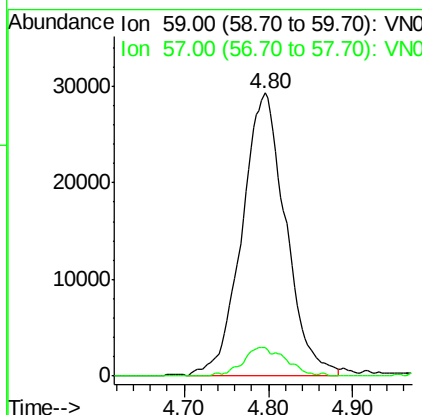
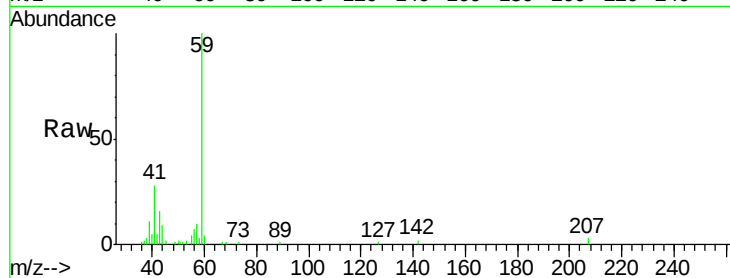
#11
Tert butyl alcohol
Concen: 93.053 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion: 59 Resp: 105764
Ion Ratio Lower Upper
59 100
57 8.6 9.0 13.6#

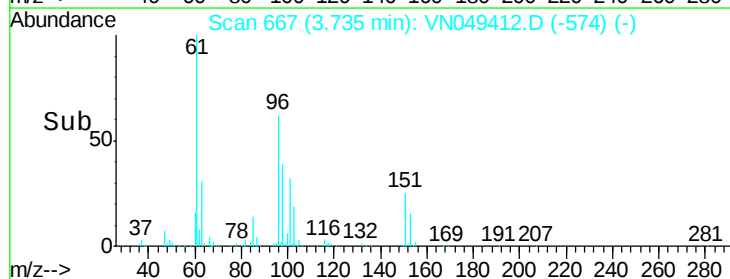
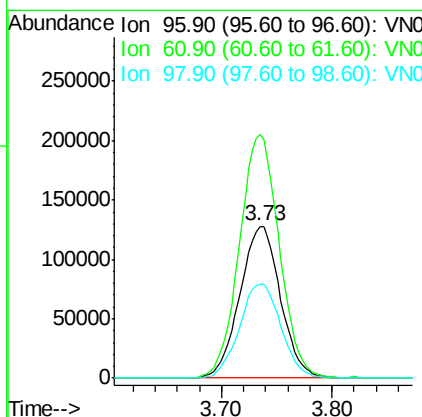
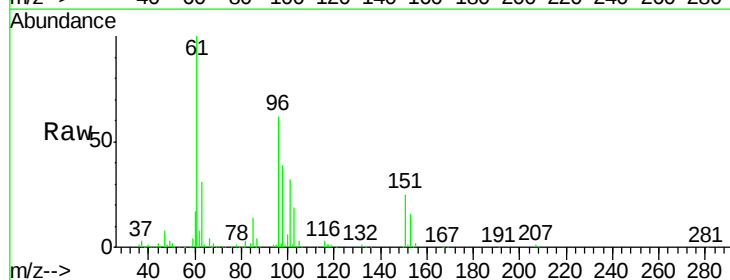
Manual Integrations
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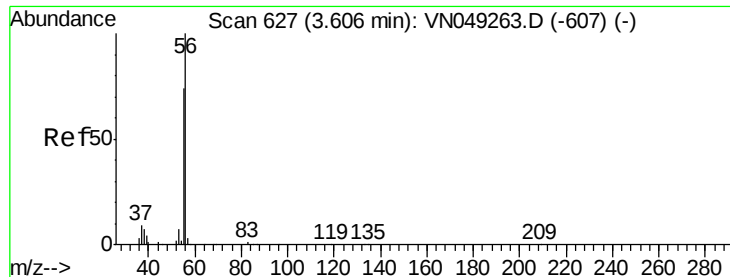
MMDadoda
6/20/2018 4:54:03 PM



#12
1,1-Dichloroethene
Concen: 19.484 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion: 96 Resp: 326182
Ion Ratio Lower Upper
96 100
61 160.4 141.0 211.4
98 62.3 50.4 75.6





#13

Acrolein

Concen: 134.783 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 56 Resp: 160652

Ion Ratio Lower Upper

56 100

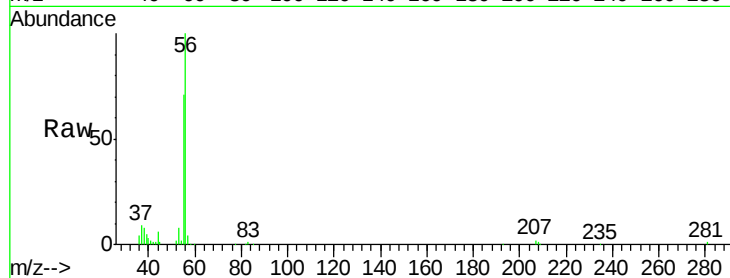
55 70.6 57.1 85.7

Manual Integrations

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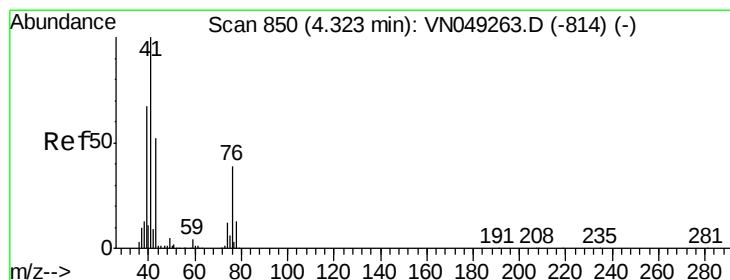
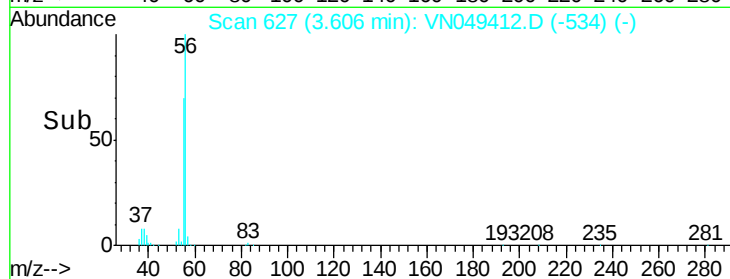
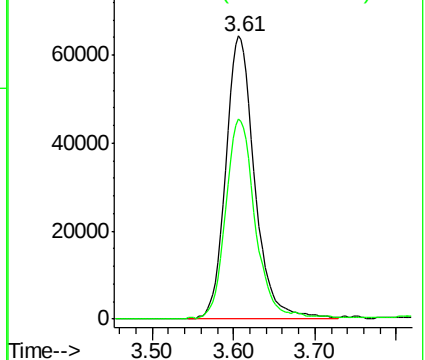
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.677 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

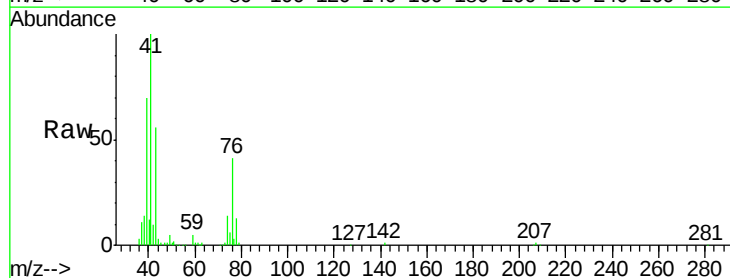
Tgt Ion: 41 Resp: 493693

Ion Ratio Lower Upper

41 100

39 66.7 62.5 93.7

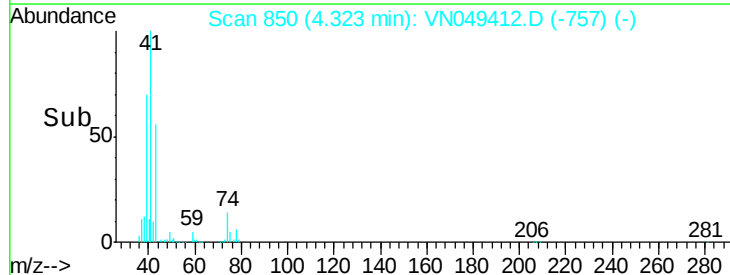
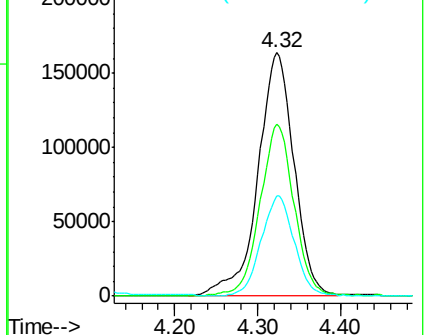
76 37.3 27.1 40.7

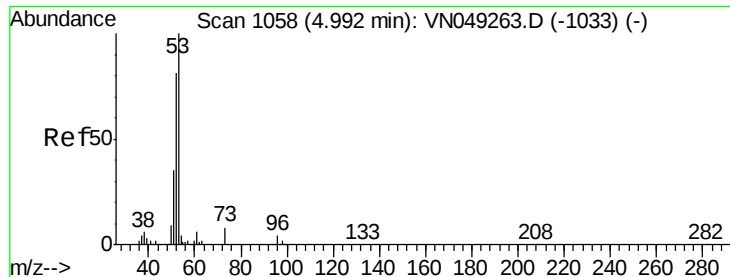


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





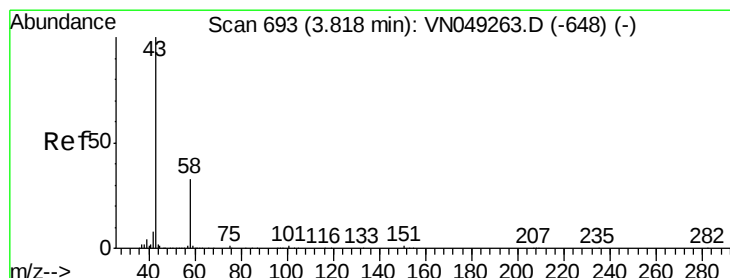
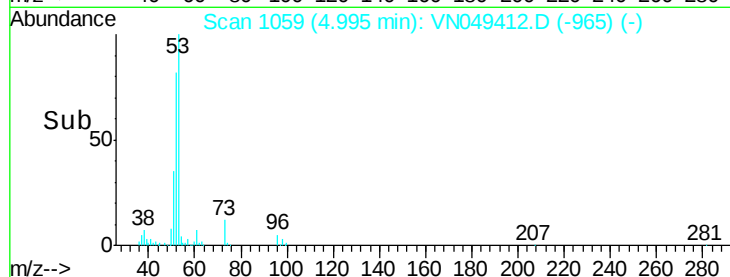
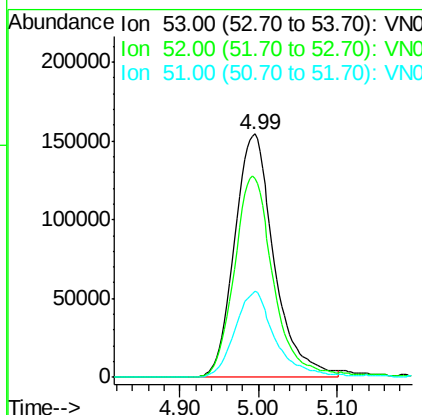
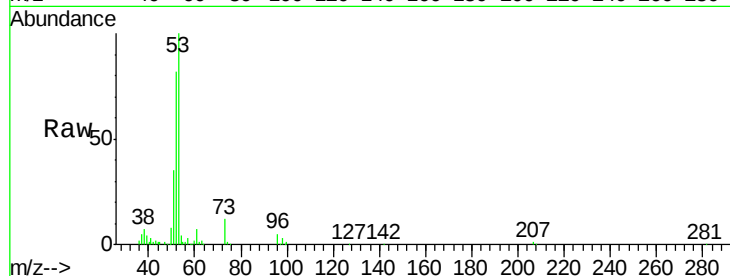
#15
 Acrylonitrile
 Concen: 96.067 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	79.9	66.6	100.0
51	51	36.1	29.8	44.8

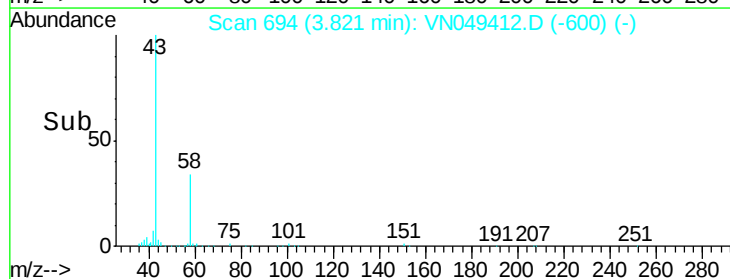
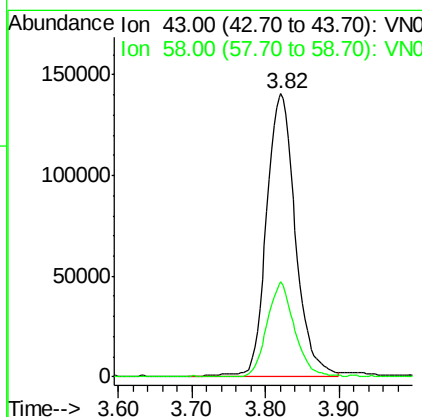
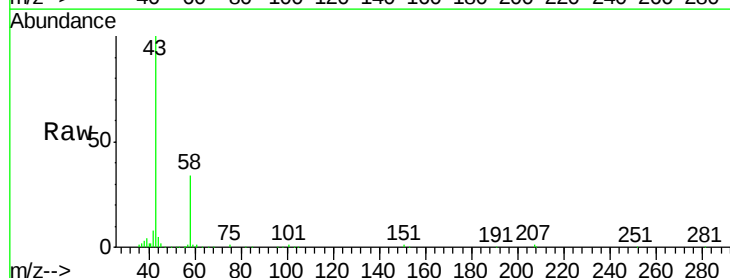
Manual Integrations
 APPROVED

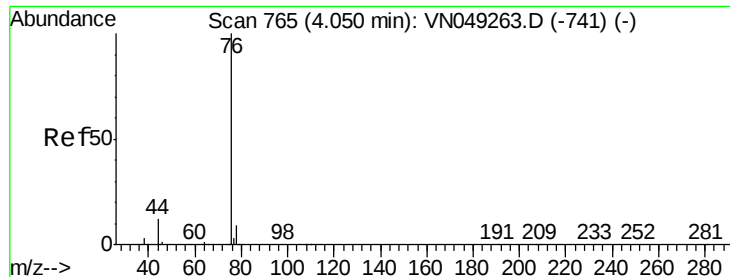
MMDadoda
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#16
 Acetone
 Concen: 80.936 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	33.6	22.4	33.6





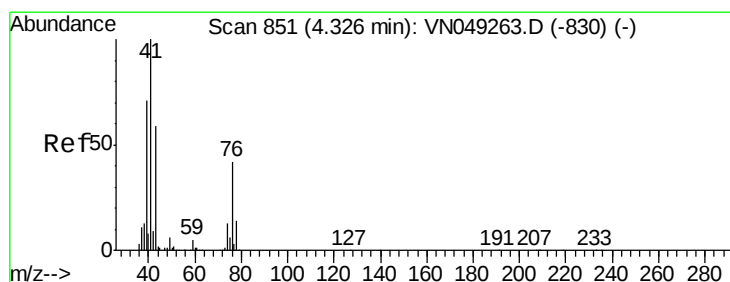
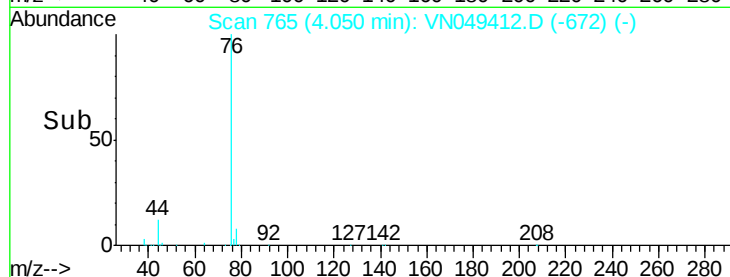
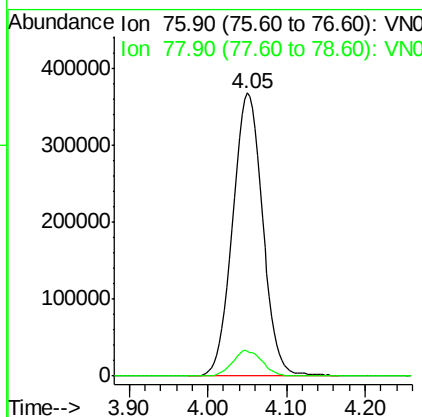
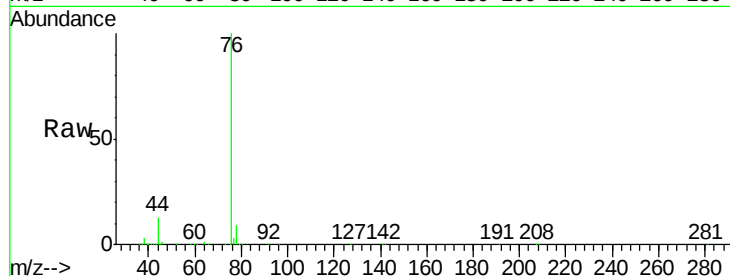
#17
Carbon Disulfide
Concen: 18.651 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

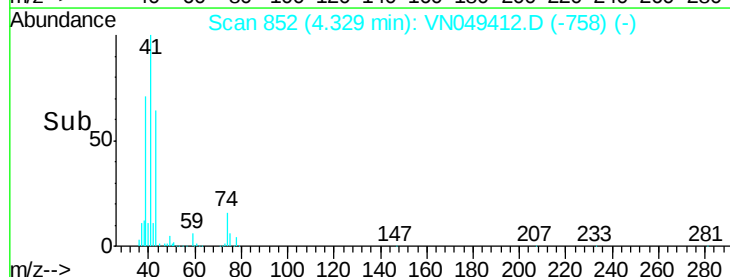
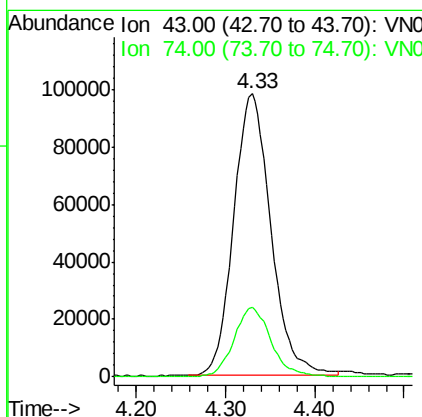
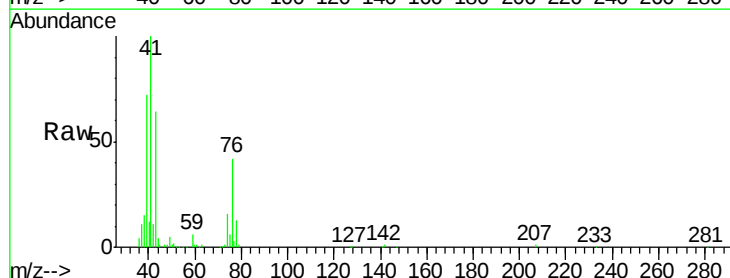
Manual Integrations
APPROVED

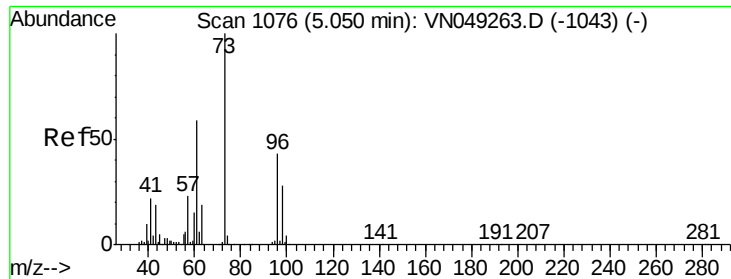
MMDadoda
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#18
Methyl Acetate
Concen: 19.816 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	17.4	26.0





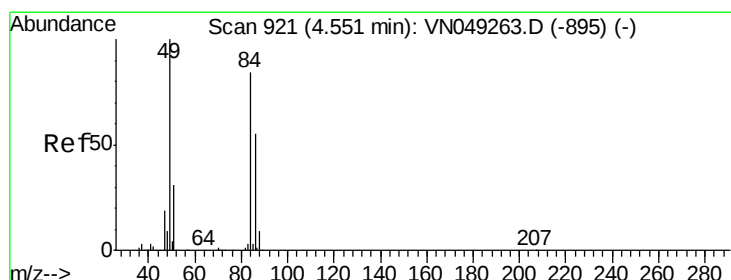
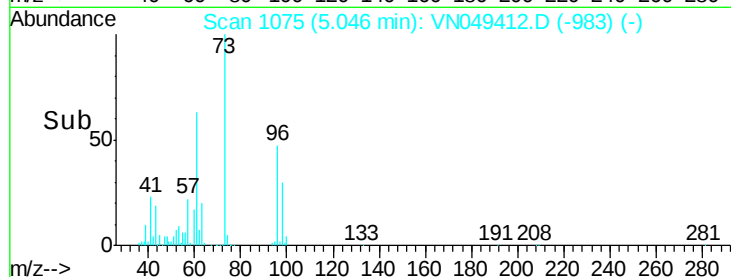
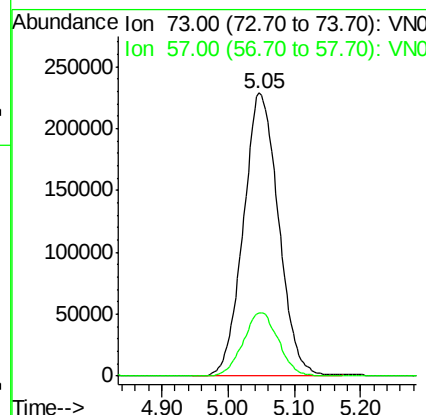
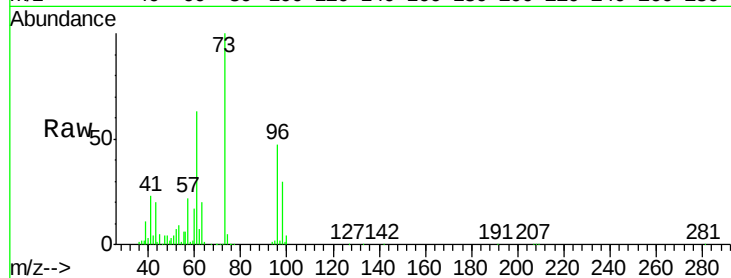
#19
Methyl tert-butyl Ether
Concen: 19.769 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion: 73 Resp: 843784
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.4

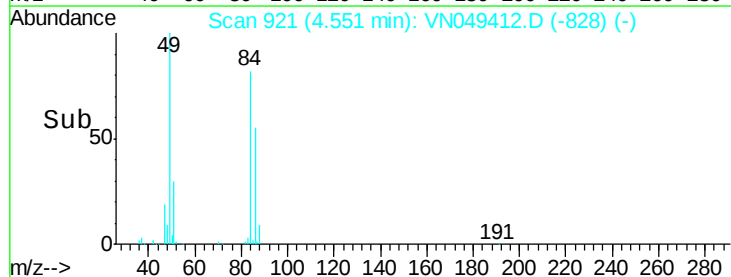
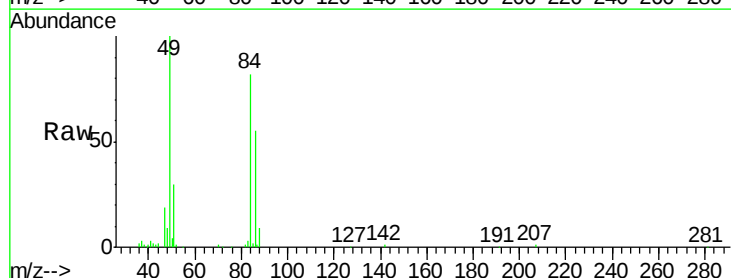
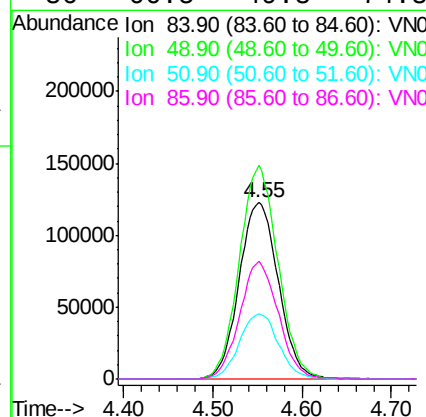
Manual Integrations
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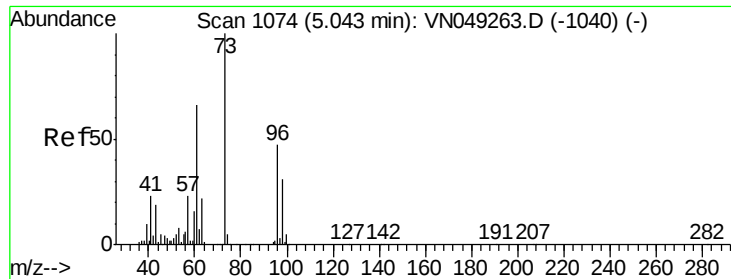
MMDadoda
6/20/2018 4:54:03 PM



#20
Methylene Chloride
Concen: 19.076 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion: 84 Resp: 374609
Ion Ratio Lower Upper
84 100
49 121.3 106.9 160.3
51 37.0 32.7 49.1
86 66.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.080 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

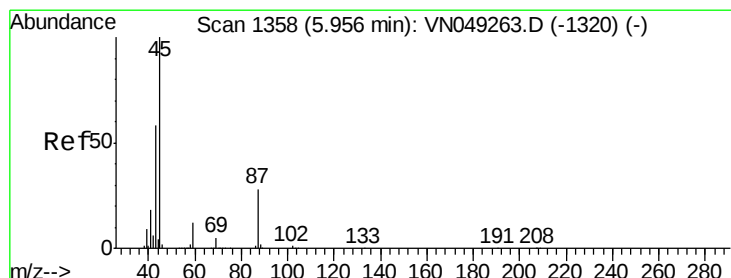
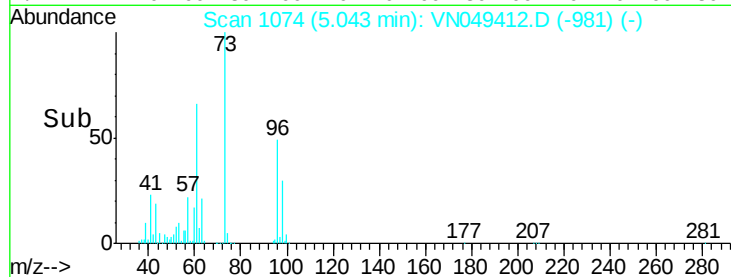
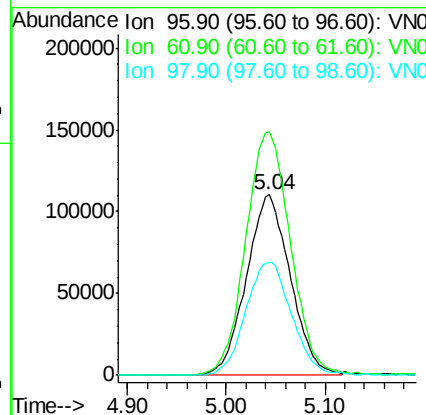
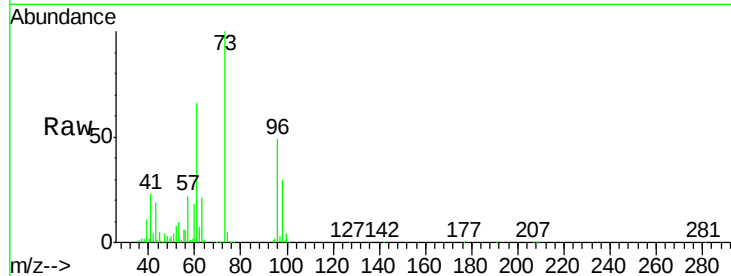
ClientSampleId :

VN0619WBSD02

Tot Ion:	96	Resp:	338163
Ion	Ratio	Lower	Upper
96	100		
61	134.7	121.3	181.9
98	62.4	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.313 ug/l

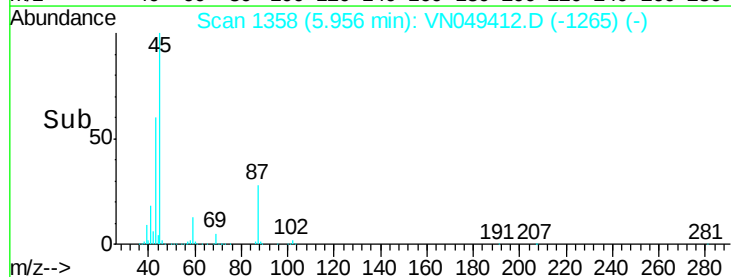
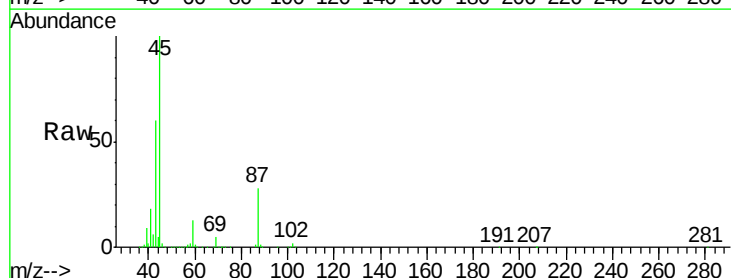
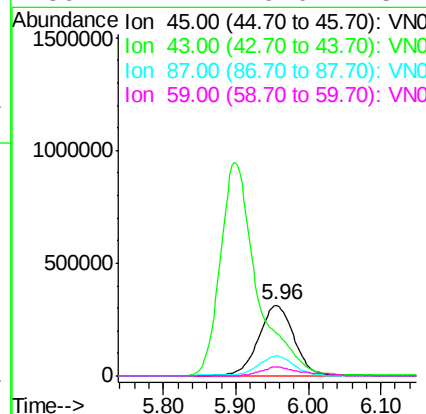
RT: 5.96 min Scan# 1358

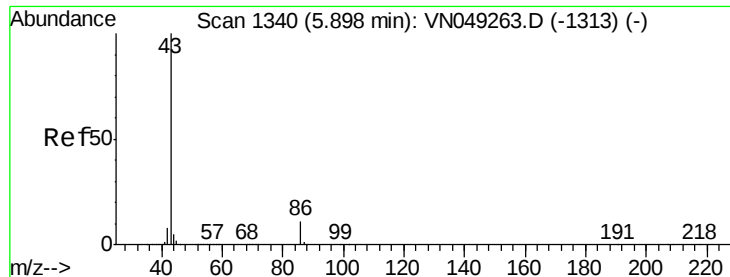
Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	45	Resp:	1072258
Ion	Ratio	Lower	Upper
45	100		
43	58.2	48.6	72.8
87	27.9	20.2	30.2
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 96.895 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 43 Resp: 3334334

Ion Ratio Lower Upper

43 100

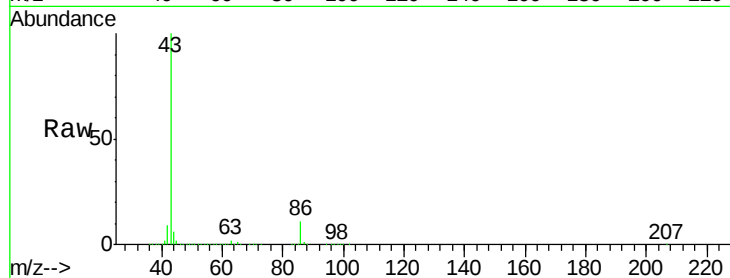
86 10.6 7.2 10.8

Manual Integrations

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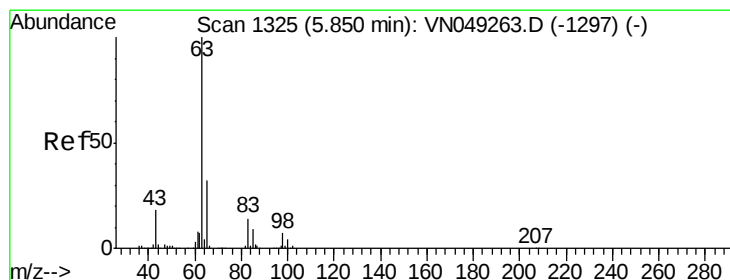
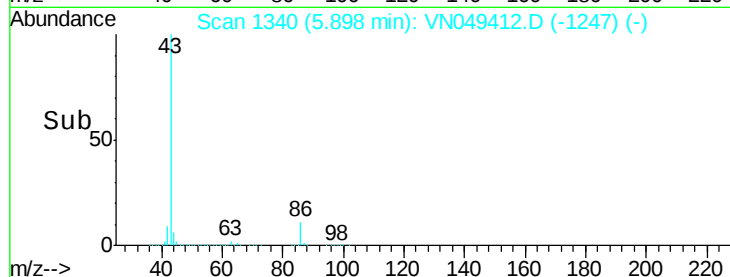
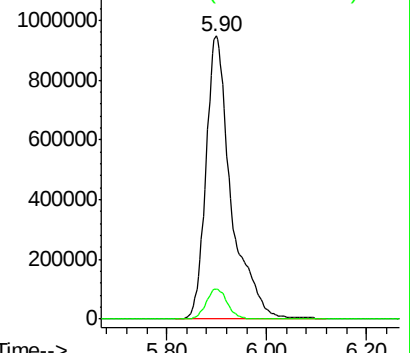
MMDadoda

6/20/2018 4:54:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.686 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

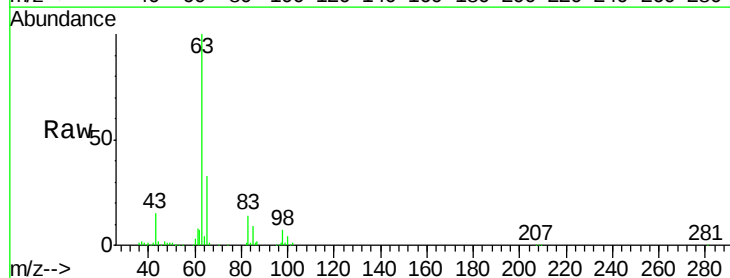
Tgt Ion: 63 Resp: 665103

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

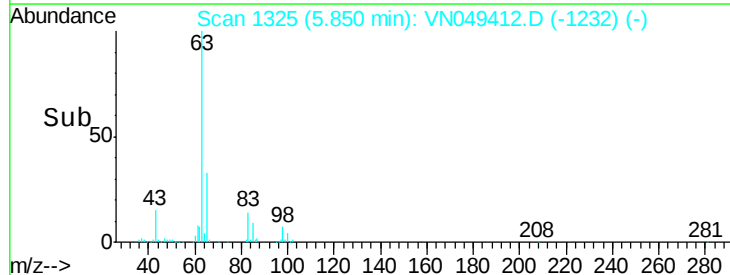
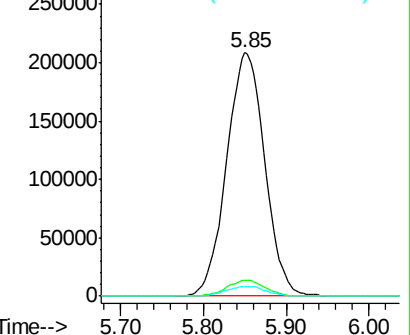
100 4.1 2.1 6.3

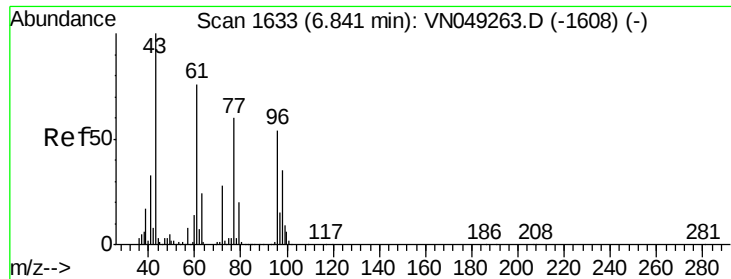


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 90.632 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 43 Resp: 572213

Ion Ratio Lower Upper

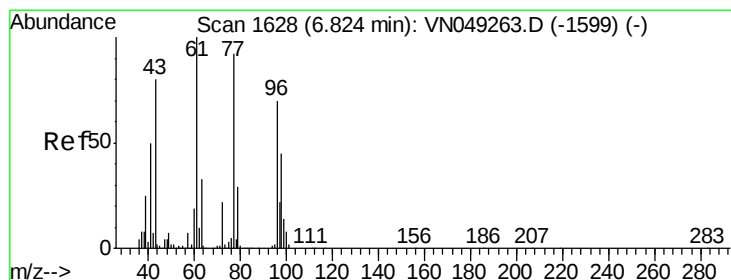
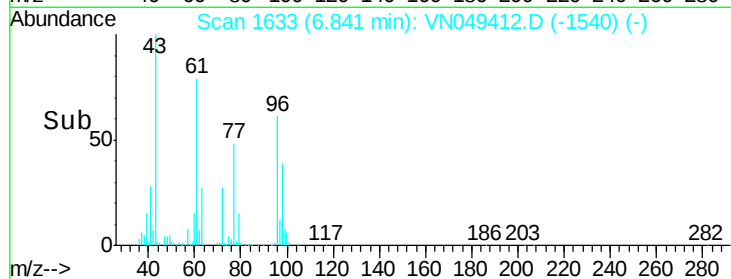
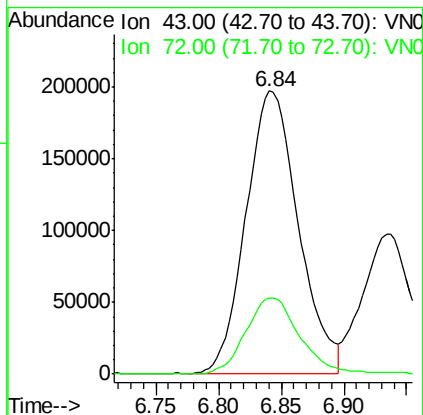
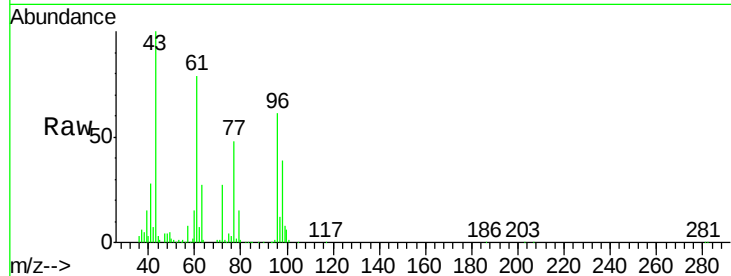
43 100

72 27.0 20.2 30.2

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6/20/2018 4:54:03 PM



#26

2,2-Dichloropropane

Concen: 13.859 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049412.D

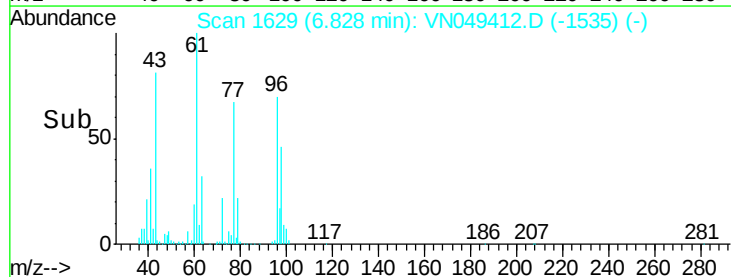
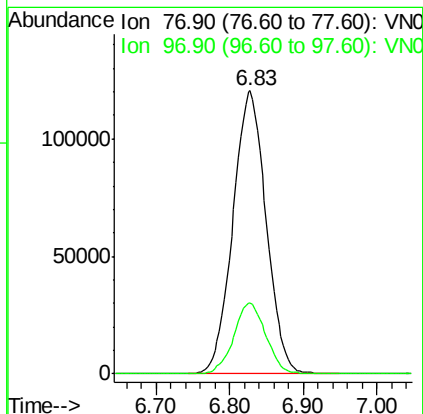
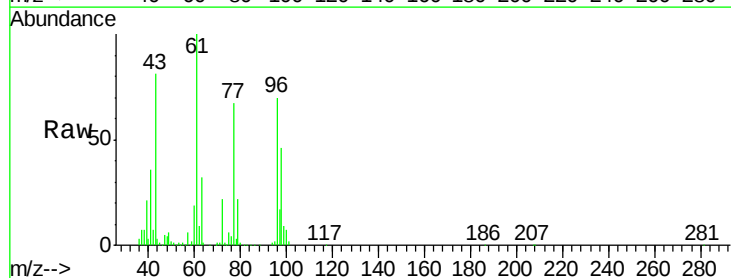
Acq: 20 Jun 2018 3:38

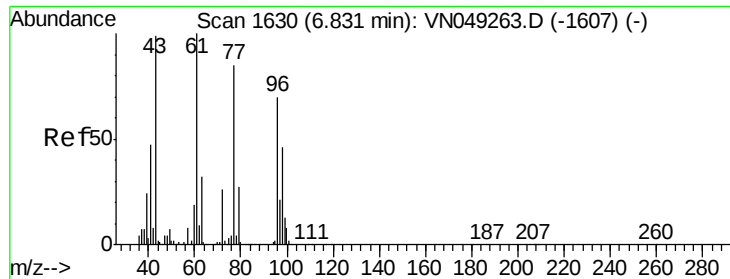
Tgt Ion: 77 Resp: 378152

Ion Ratio Lower Upper

77 100

97 24.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.795 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

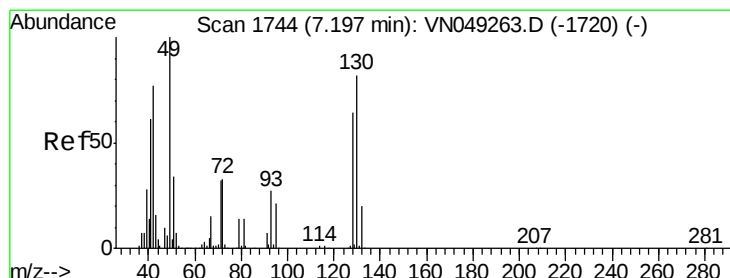
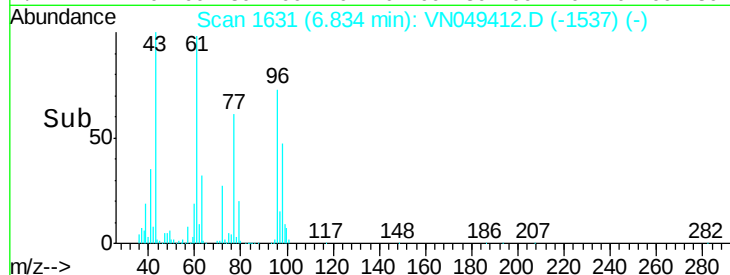
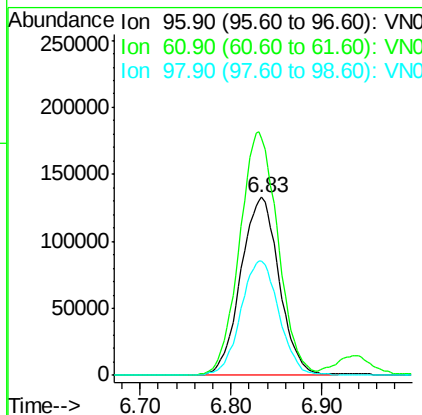
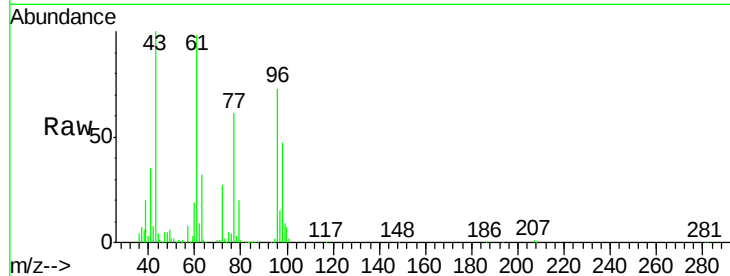
ClientSampleId :

VN0619WBSD02

Tot Ion:	96	Resp:	390060
Ion Ratio	Lower	Upper	
96	100		
61	136.3	0.0	316.4
98	63.8	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 19.081 ug/l

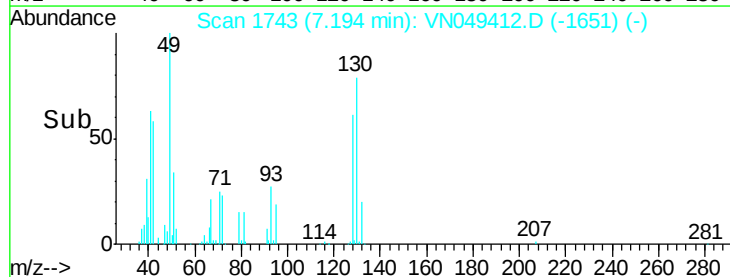
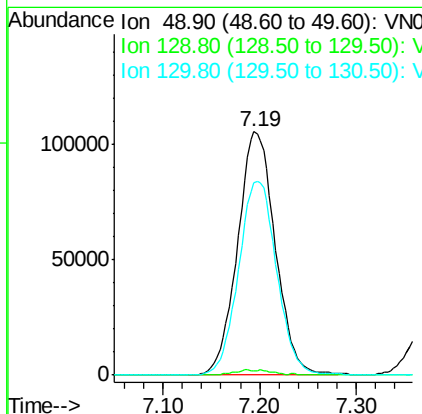
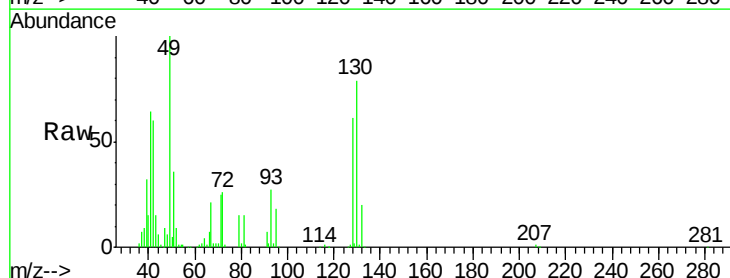
RT: 7.19 min Scan# 1743

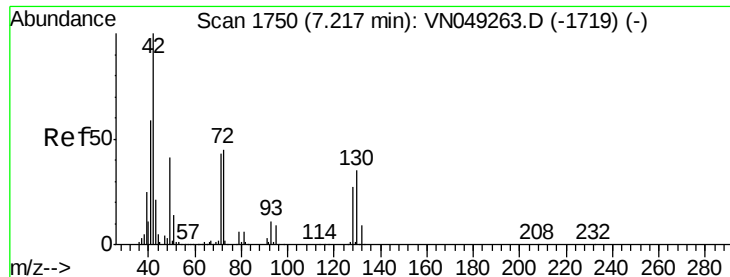
Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	49	Resp:	285802
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	3.8
130	80.8	54.9	82.3





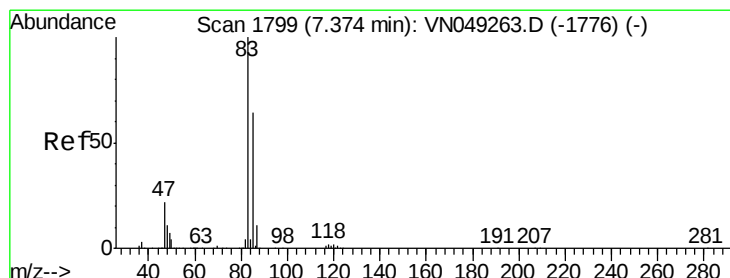
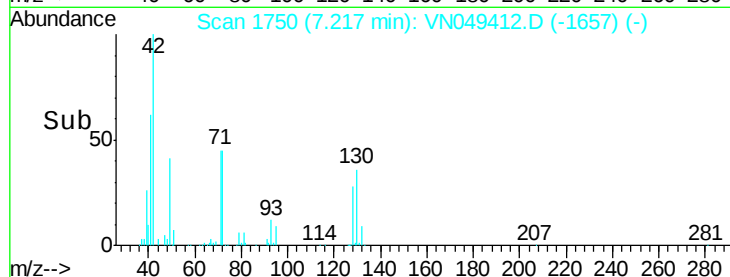
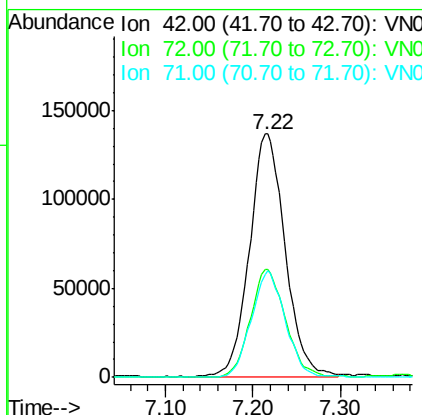
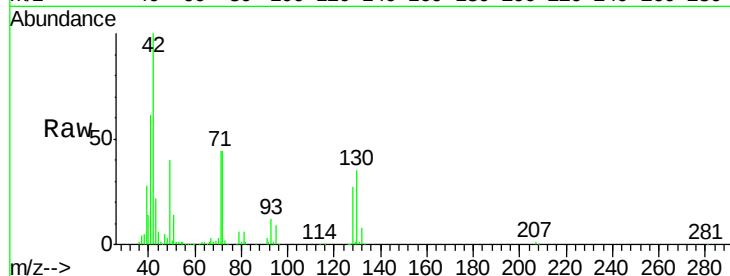
#29
Tetrahydrofuran
Concen: 94.683 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	32.2	48.4
71	41.6	30.5	45.7

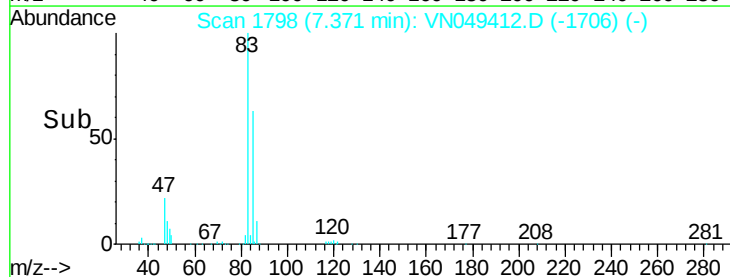
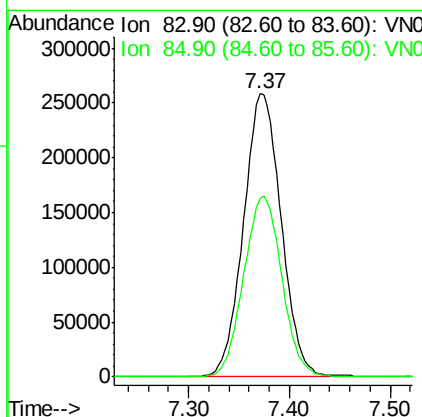
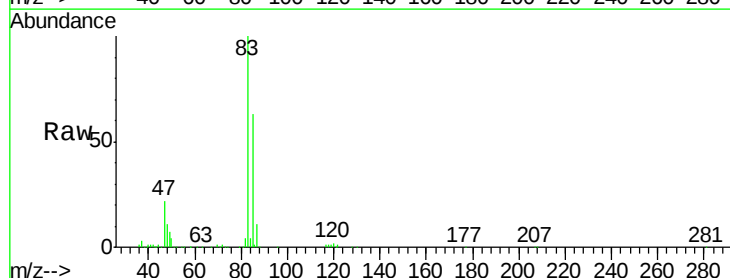
Manual Integrations
APPROVED

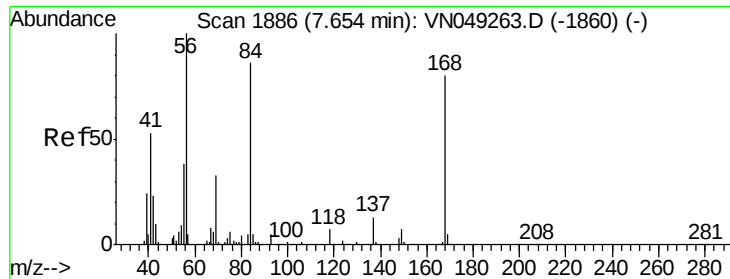
MMDadoda
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#30
Chloroform
Concen: 19.892 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.7	77.5





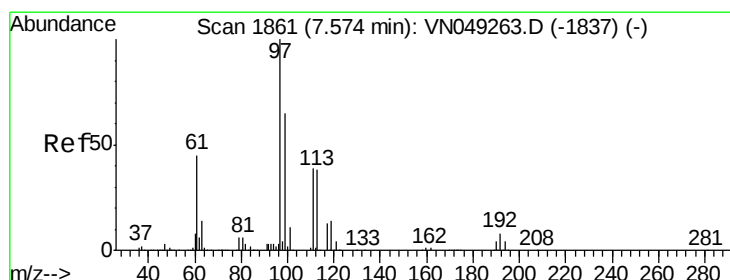
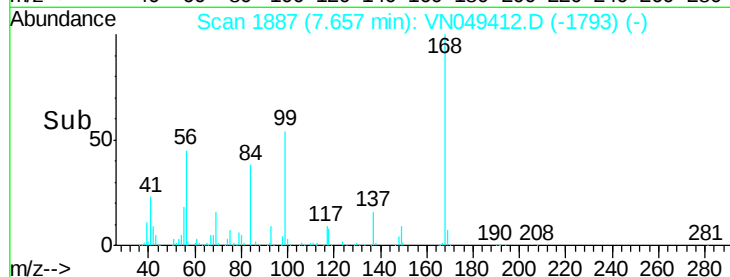
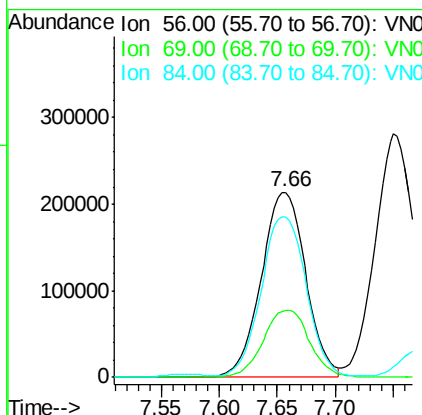
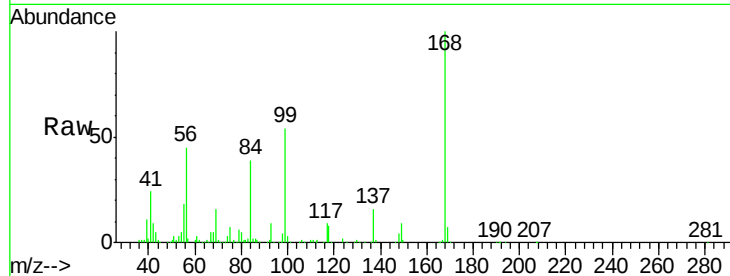
#31
Cyclohexane
Concen: 19.779 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.0	37.4
84	84.8	64.6	96.8

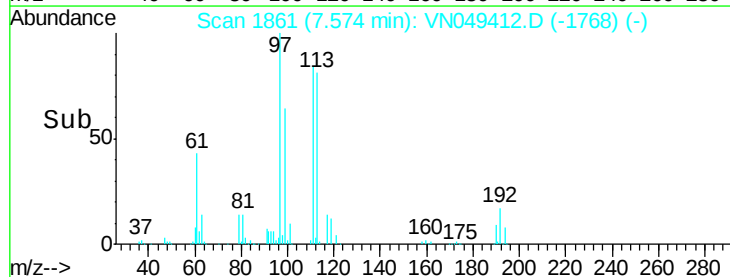
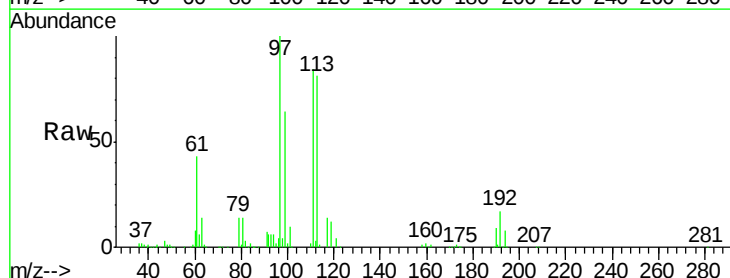
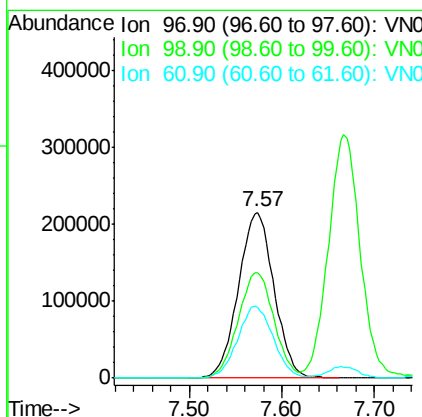
Manual Integrations
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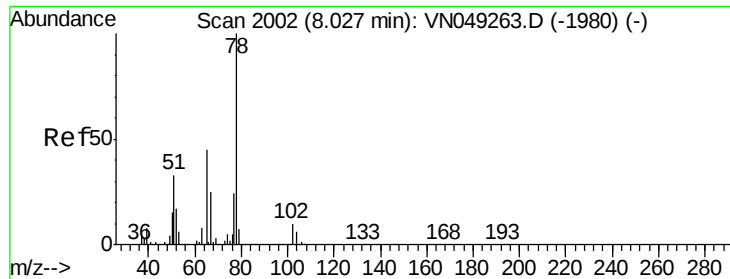
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.024 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.5	75.7
61	43.5	37.9	56.9





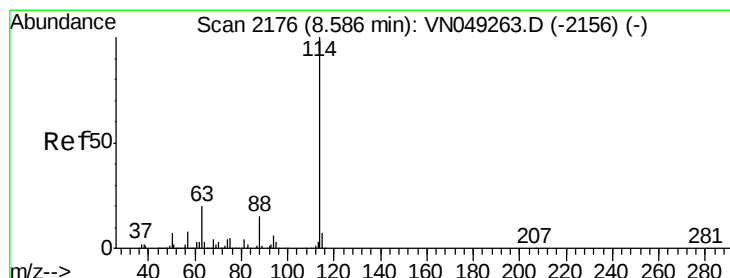
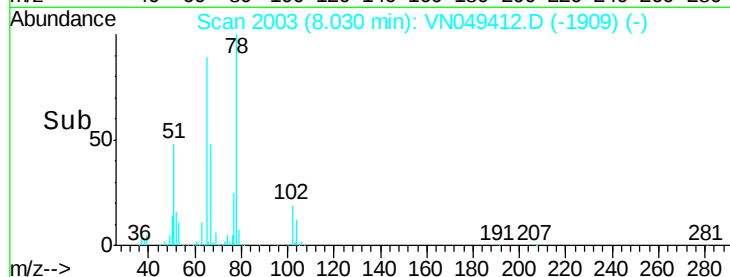
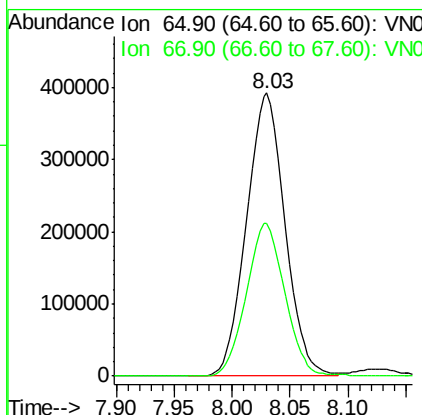
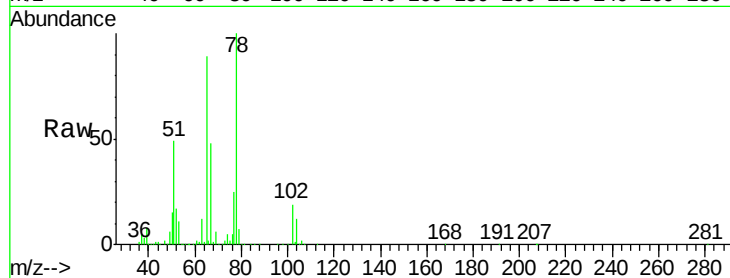
#33
 1,2-Dichloroethane-d4
 Concen: 46.826 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	103.8	

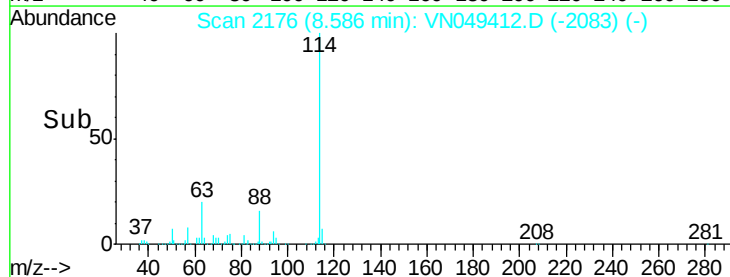
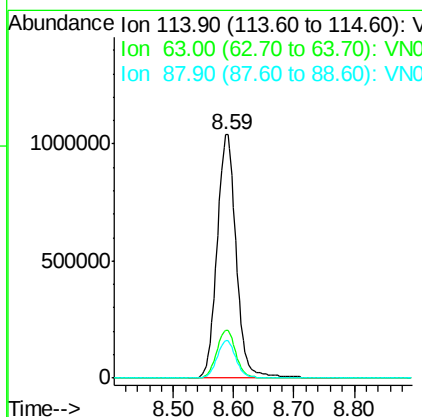
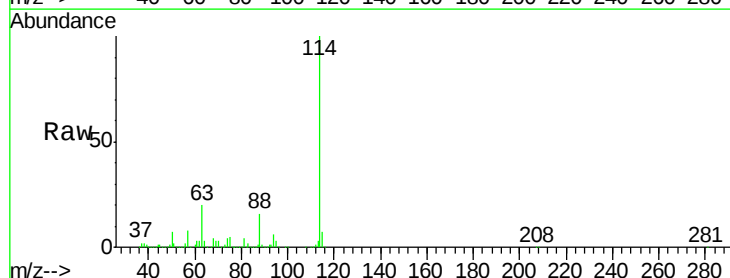
Manual Integrations
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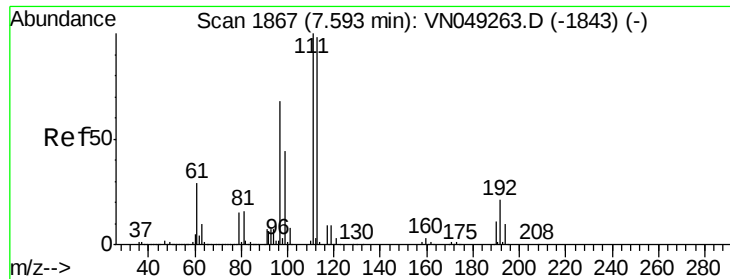
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	44.4	
88	15.6	0.0	31.4	





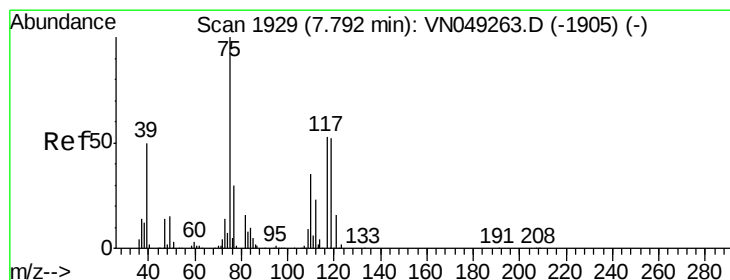
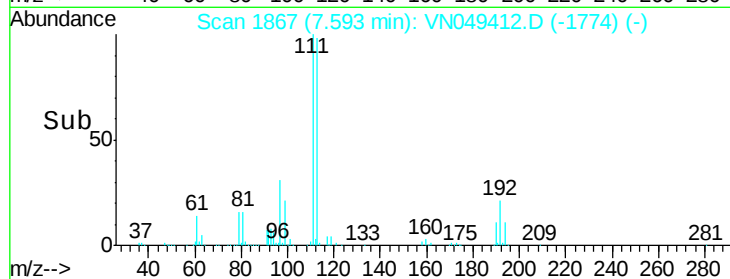
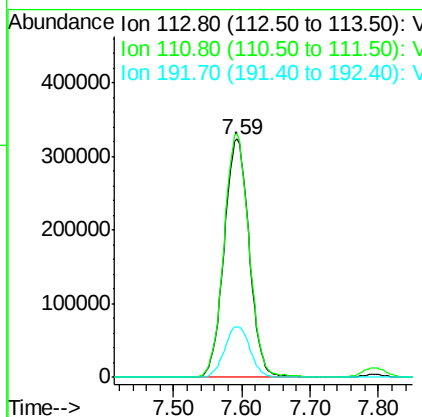
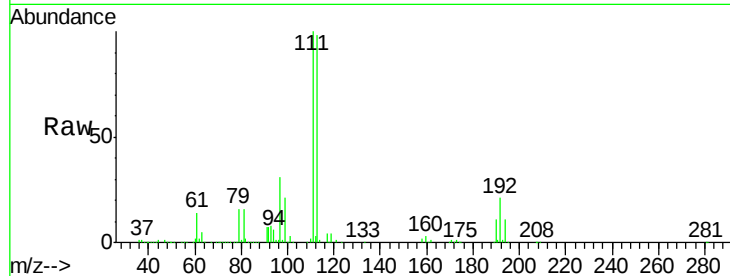
#35
 Dibromofluoromethane
 Concen: 45.289 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	828112		
111	101.4	82.4	123.6	
192	21.7	15.0	22.6	

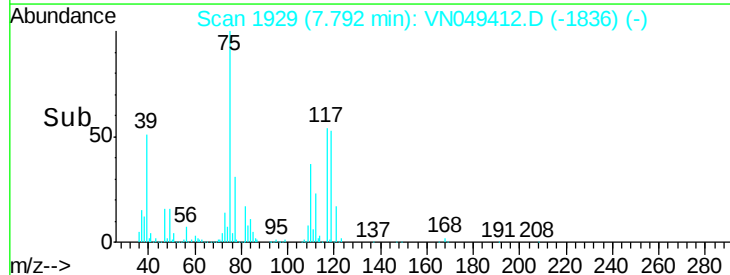
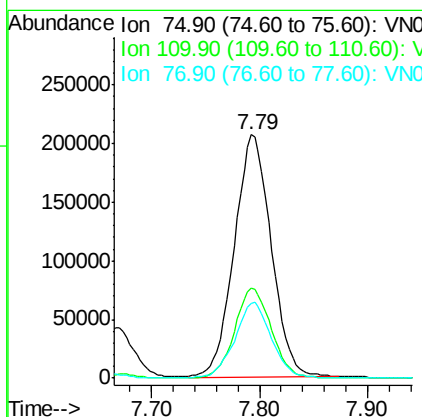
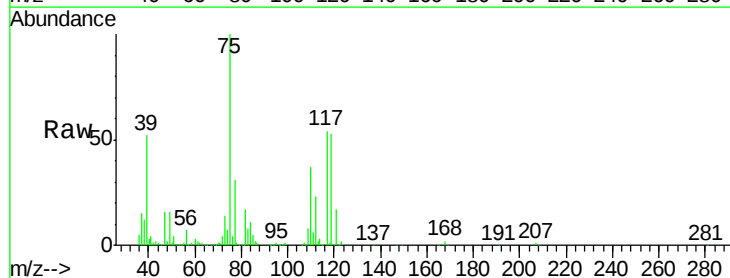
Manual Integrations
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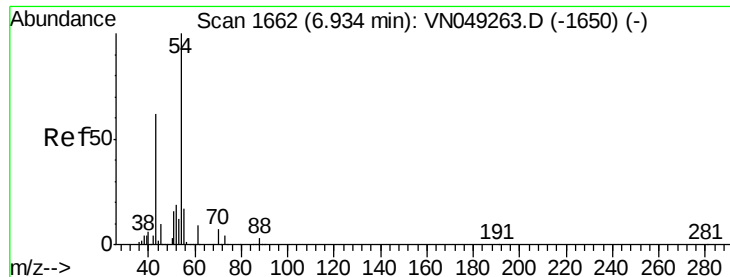
MMDadoda
 6/20/2018 4:54:03 PM



#36
 1,1-Dichloropropene
 Concen: 18.958 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	491062		
110	37.0	17.0	50.9	
77	30.9	24.4	36.6	





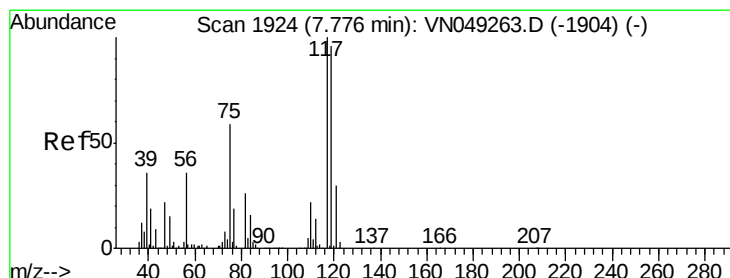
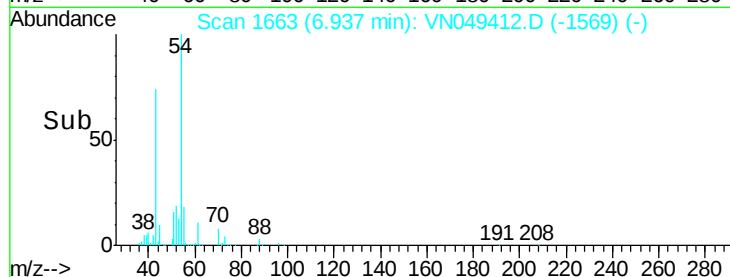
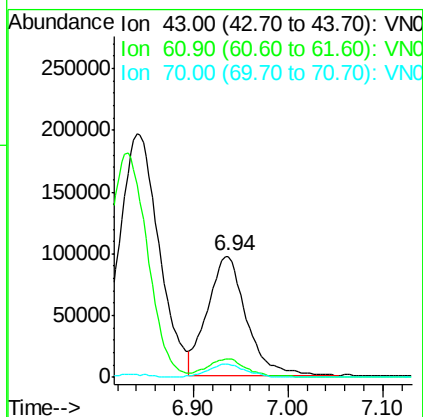
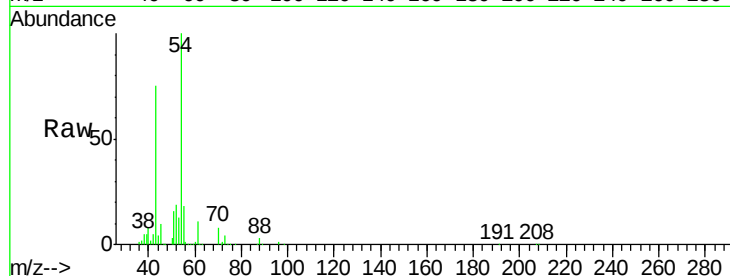
#37
Ethyl Acetate
Concen: 19.639 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.4	7.2	10.8

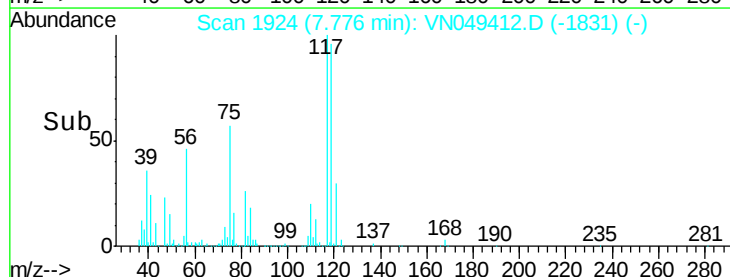
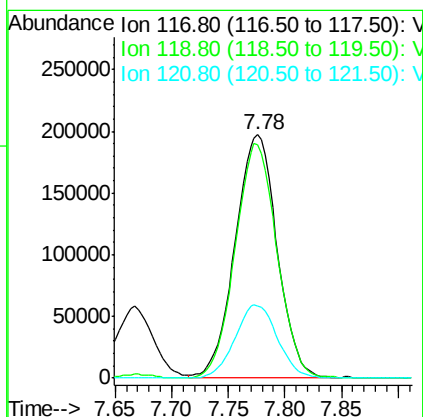
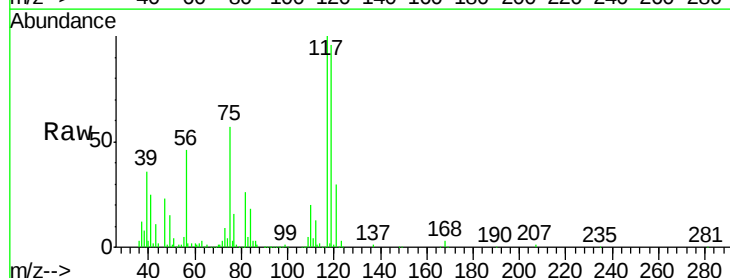
Manual Integrations
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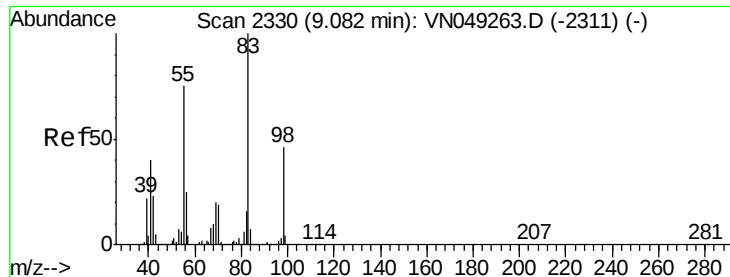
MMDadoda
6/20/2018 4:54:03 PM



#38
Carbon Tetrachloride
Concen: 18.848 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.6	113.4
121	29.9	24.7	37.1





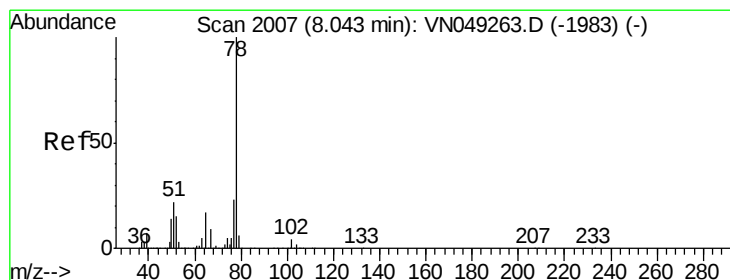
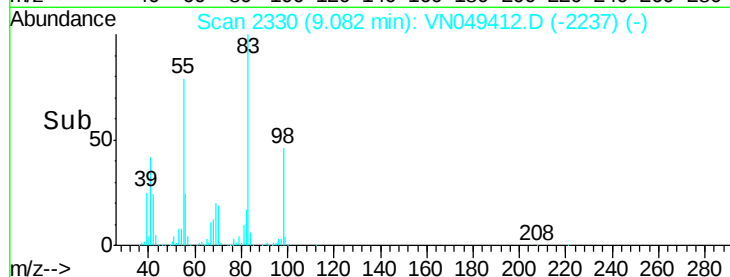
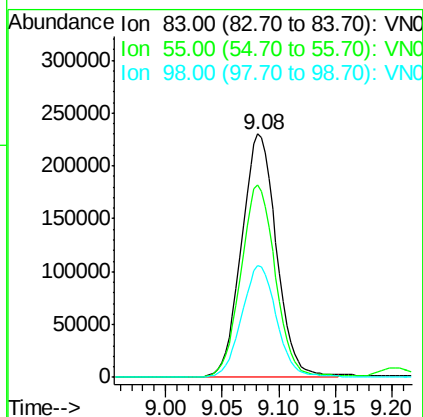
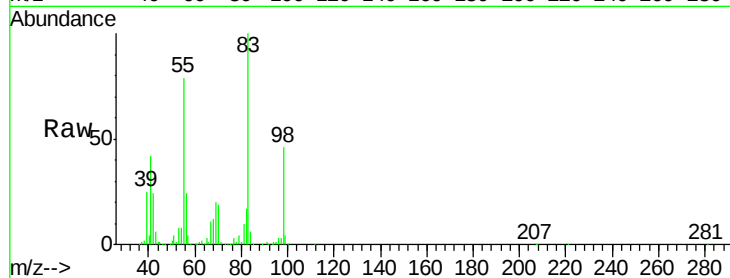
#39
Methvlcvclohexane
Concen: 17.832 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	65.1	97.7
98	45.8	36.5	54.7

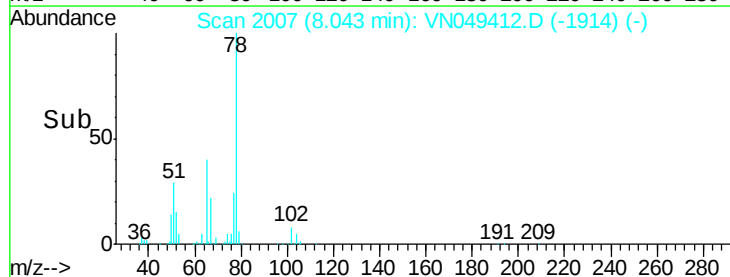
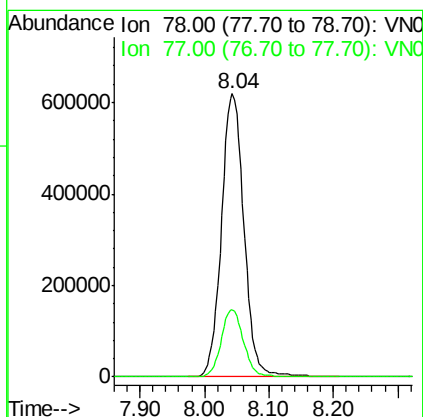
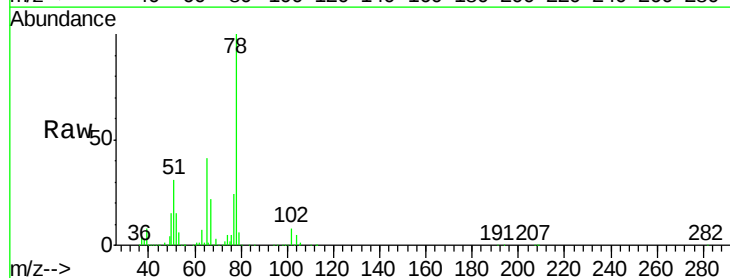
Manual Integrations
APPROVED

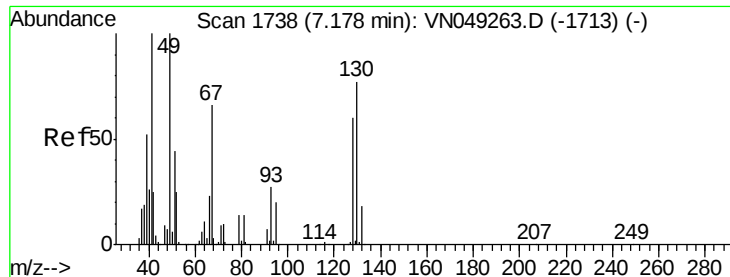
MMDadoda
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#40
Benzene
Concen: 18.914 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





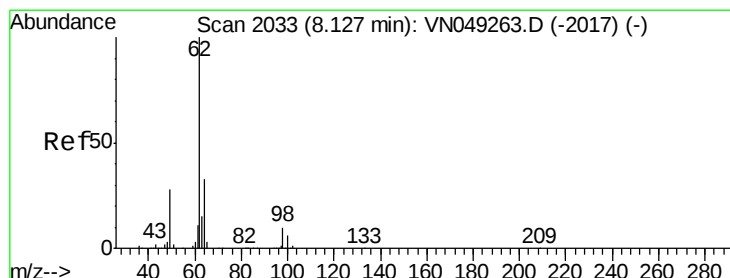
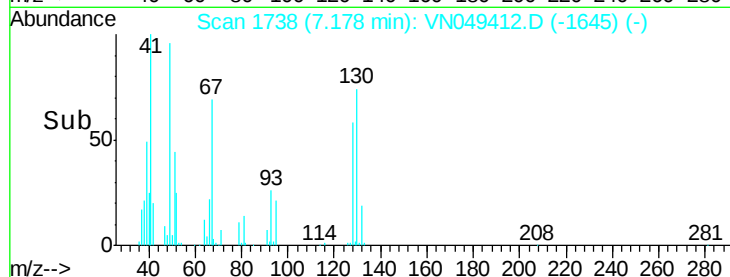
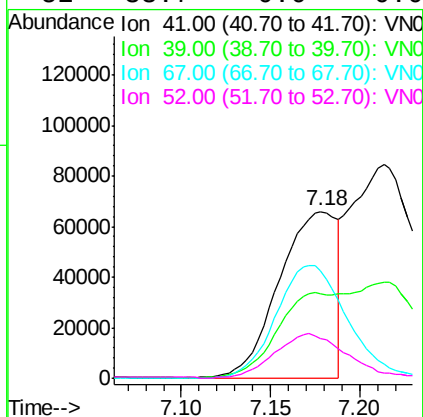
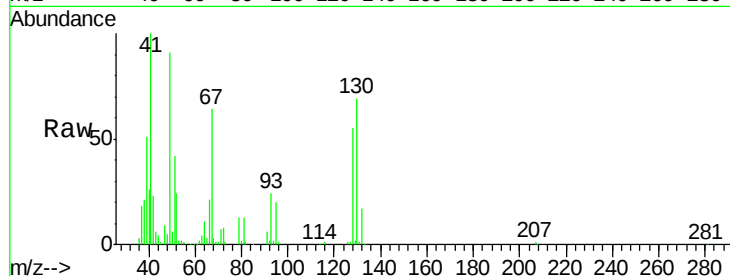
#41
Methacrylonitrile
Concen: 19.558 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	41	Resp	148890
Ion Ratio	Lower	Upper	
41	100		
39	43.2	0.0	0.0#
67	83.8	0.0	0.0#
52	33.7	0.0	0.0#

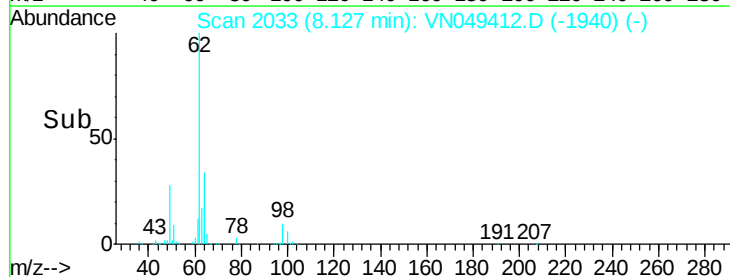
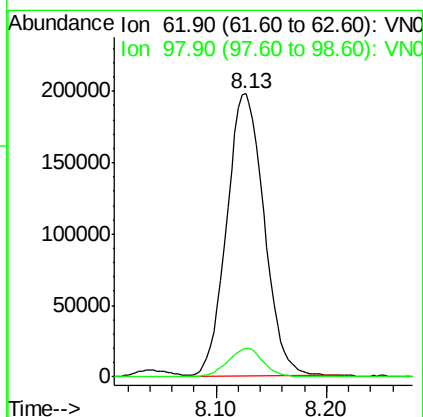
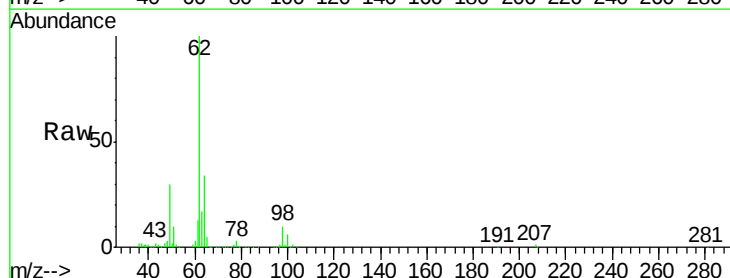
Manual Integrations
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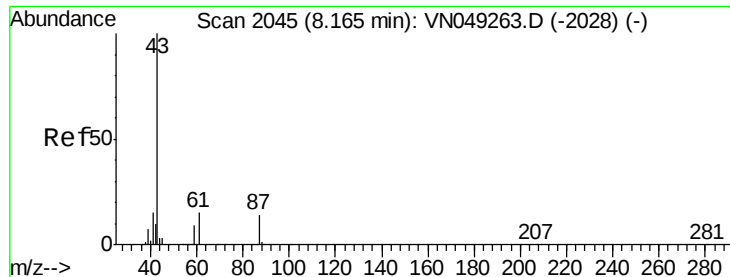
MMDadoda
6/20/2018 4:54:03 PM



#42
1,2-Dichloroethane
Concen: 18.947 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	62	Resp	464863
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.209 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

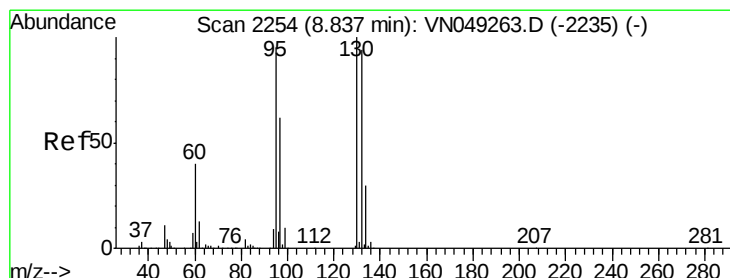
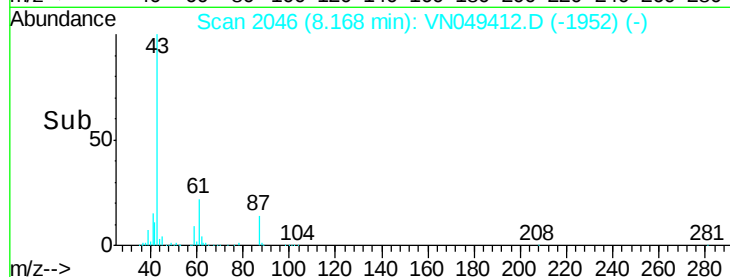
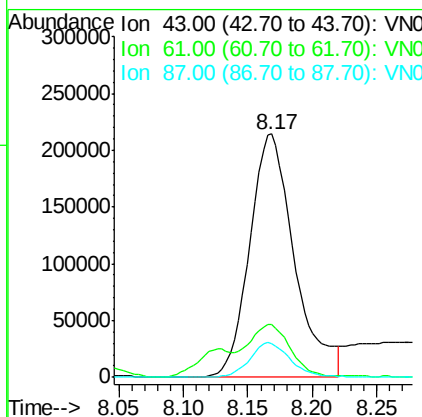
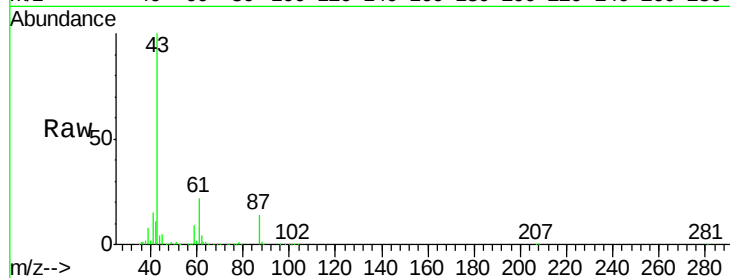
ClientSampleId :

VN0619WBSD02

Tot Ion:	43	Resp:	516813
Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.2	21.4
87	12.8	9.4	14.0

Manual Integrations
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6/20/2018 4:54:03 PM



#44

Trichloroethene

Concen: 19.154 ug/l

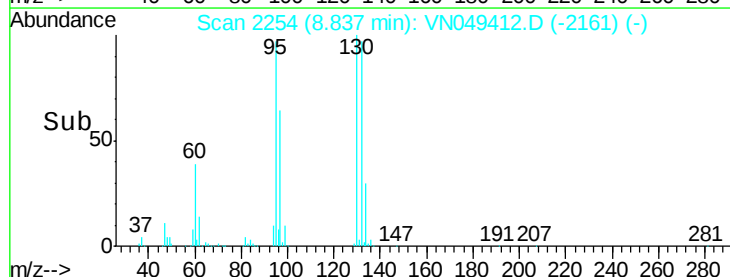
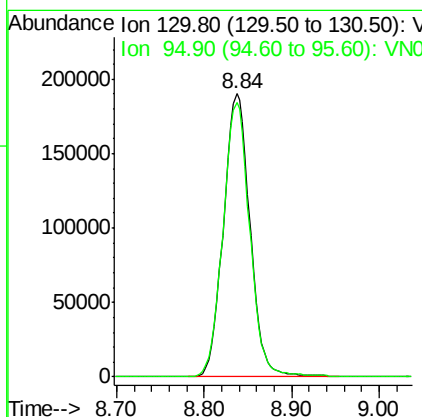
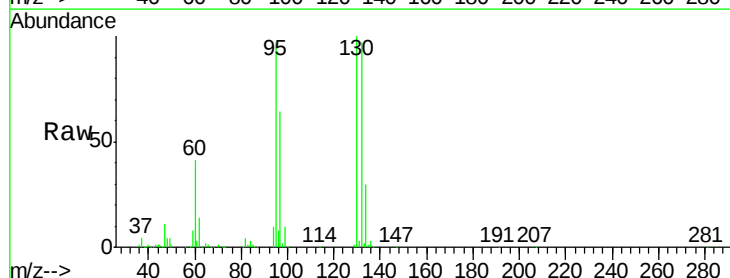
RT: 8.84 min Scan# 2254

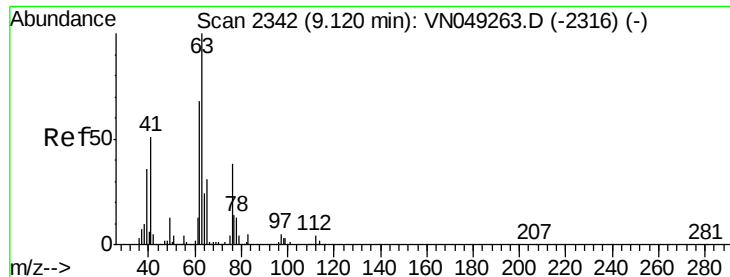
Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	130	Resp:	401670
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	208.6





#45

1,2-Dichloropropane

Concen: 18.758 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 63 Resp: 390027

Ion Ratio Lower Upper

63 100

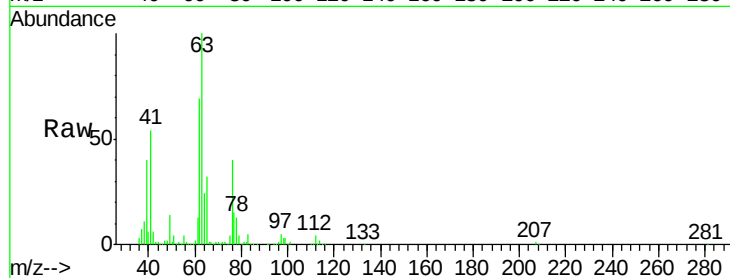
65 32.3 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

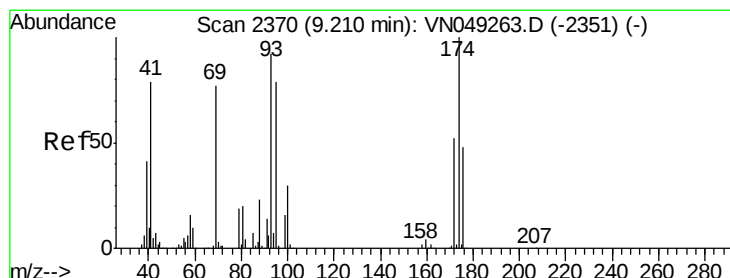
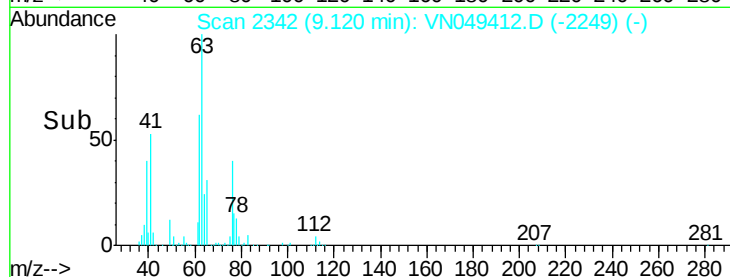
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 18.892 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

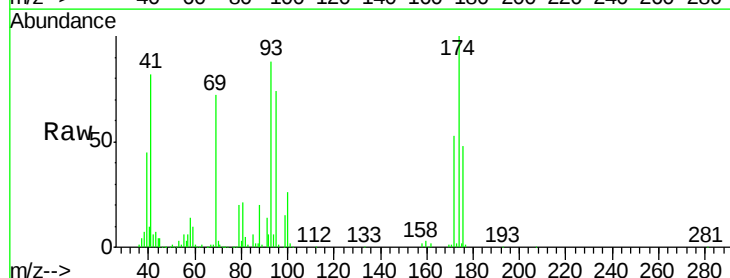
Tgt Ion: 93 Resp: 227776

Ion Ratio Lower Upper

93 100

95 83.8 67.2 100.8

174 109.7 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

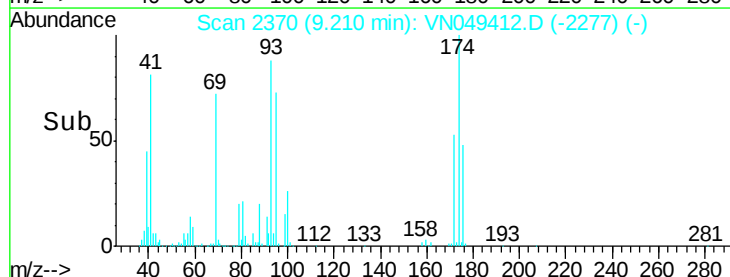
150000

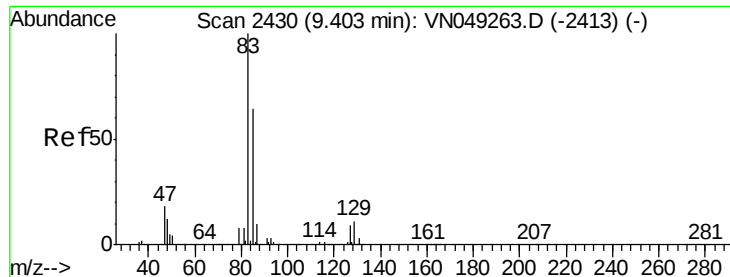
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 18.899 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

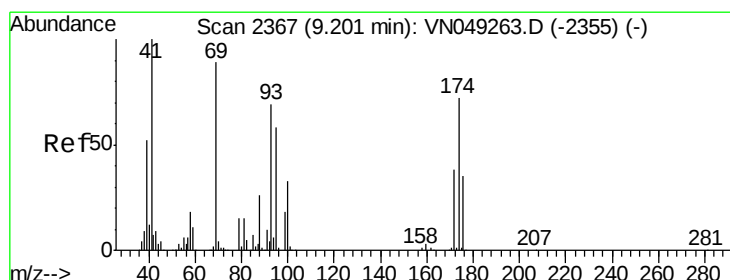
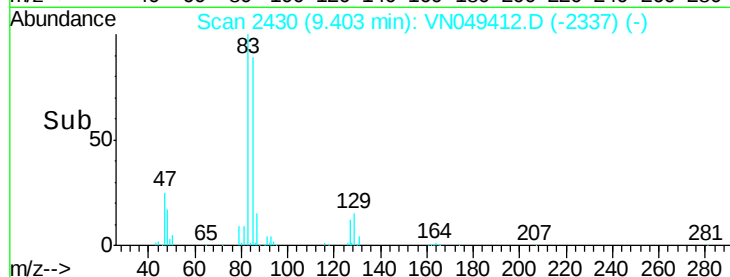
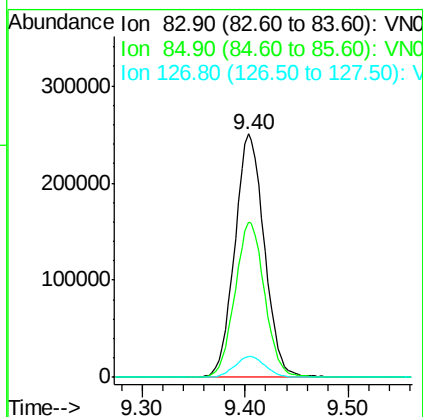
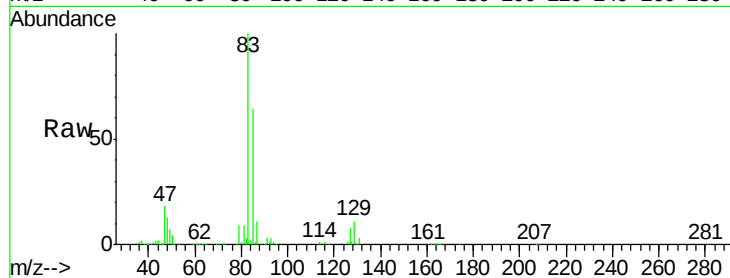
ClientSampleId :

VN0619WBSD02

Tot Ion:	83	Resp:	500728
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.4	74.0
127	8.4	6.3	9.5

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#48

Methyl methacrylate

Concen: 19.286 ug/l

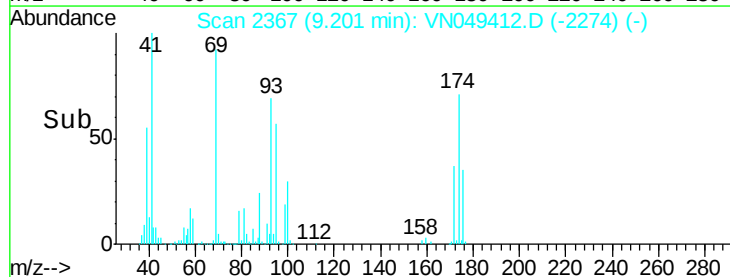
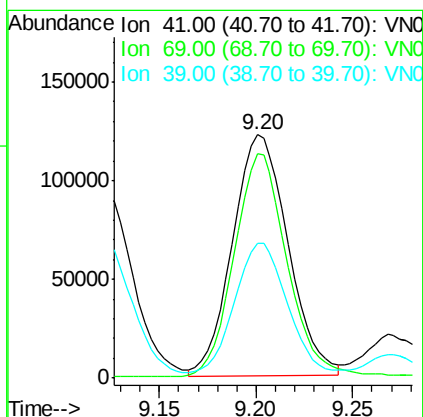
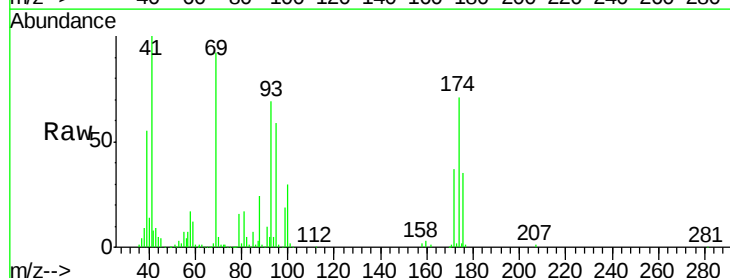
RT: 9.20 min Scan# 2367

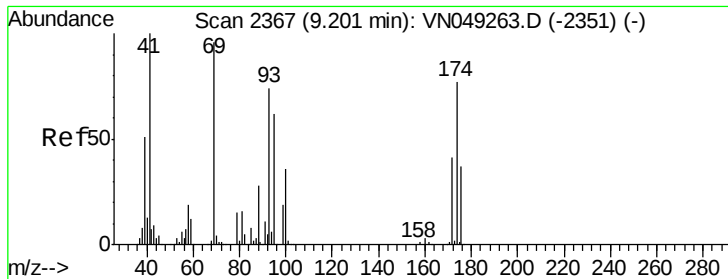
Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	41	Resp:	244360
Ion Ratio	Lower	Upper	
41	100		
69	89.6	62.0	93.0
39	53.7	50.6	75.8





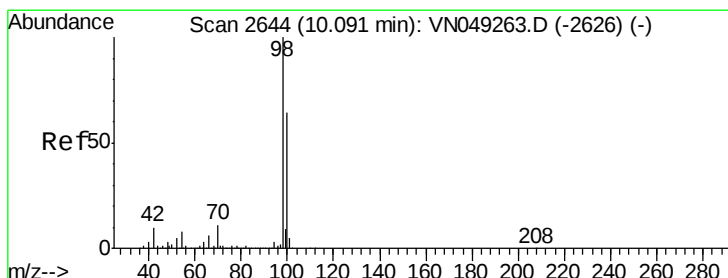
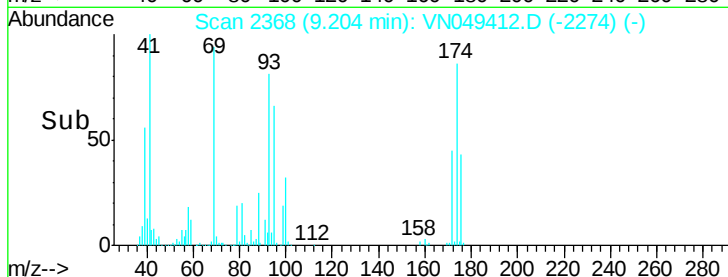
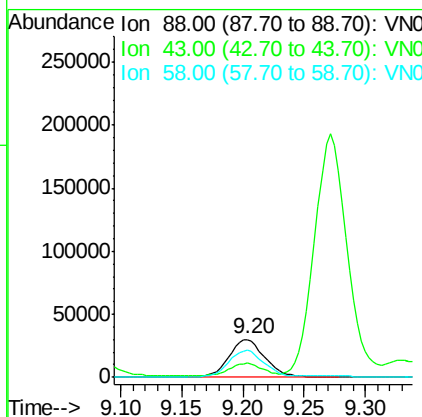
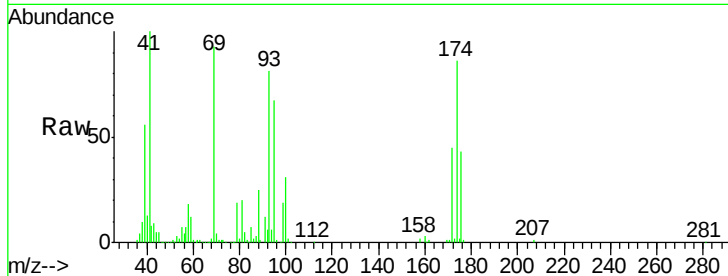
#49
1,4-Dioxane
Concen: 355.669 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	30.9	46.3#
58	70.6	58.9	88.3

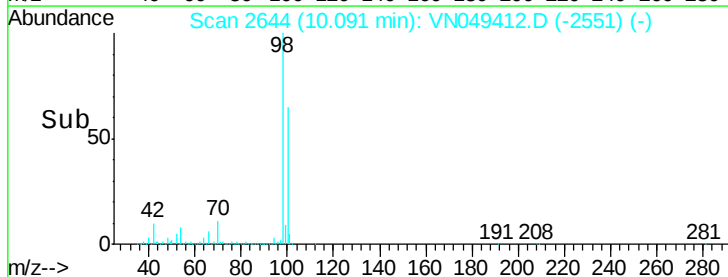
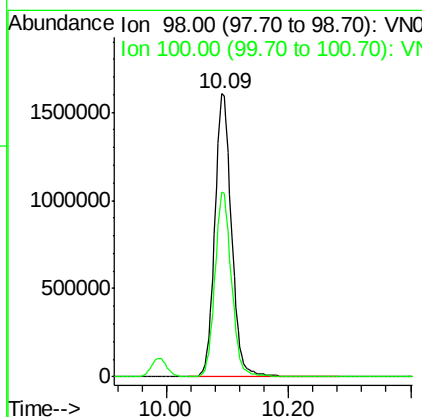
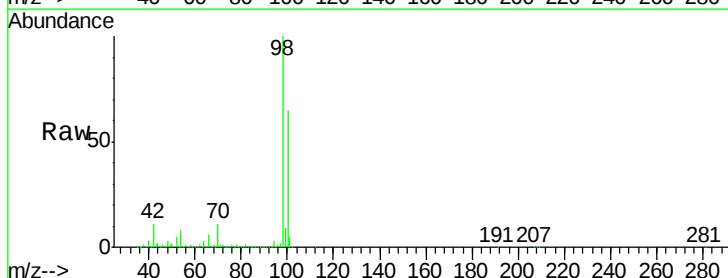
Manual Integrations
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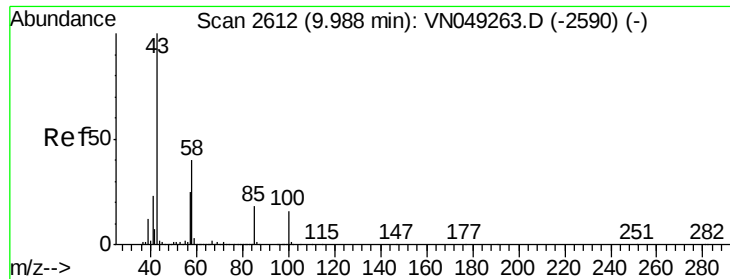
MMDadoda
6/20/2018 4:54:03 PM



#50
Toluene-d8
Concen: 44.110 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	49.8	74.8





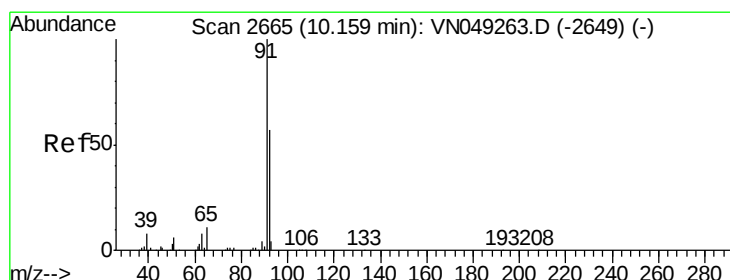
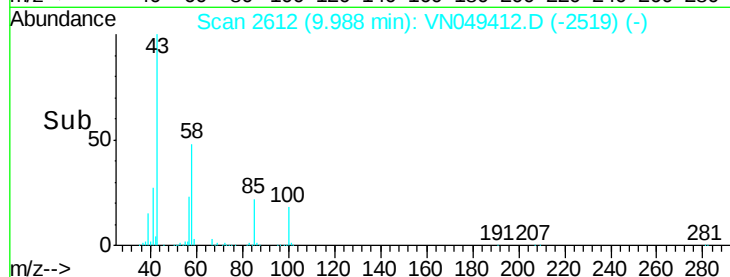
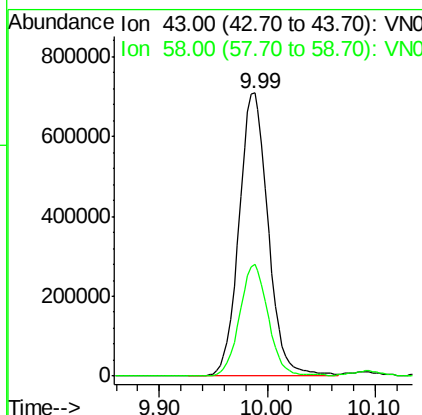
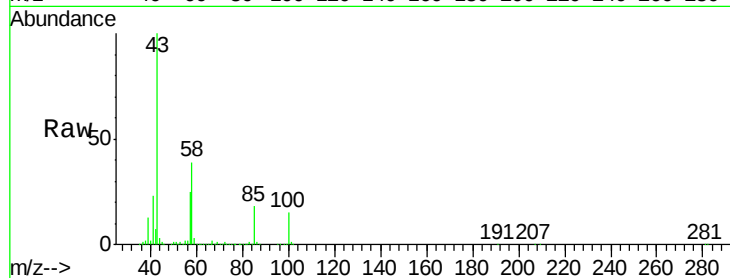
#51
4-Methyl-2-Pentanone
Concen: 94.495 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion: 43 Resp: 1332491
Ion Ratio Lower Upper
43 100
58 38.9 29.0 43.6

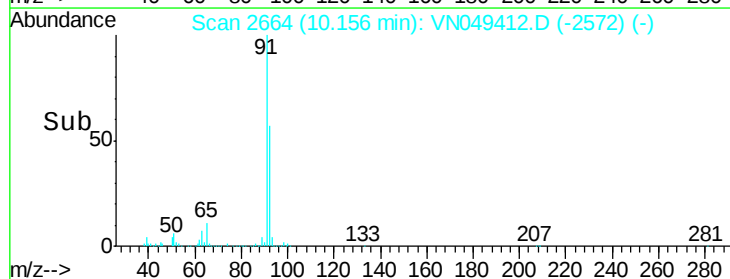
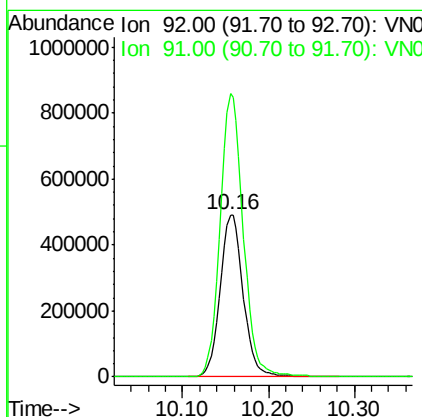
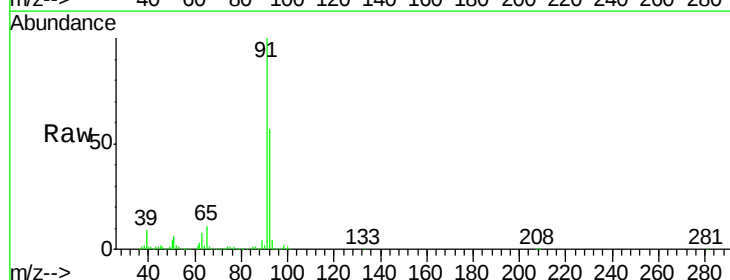
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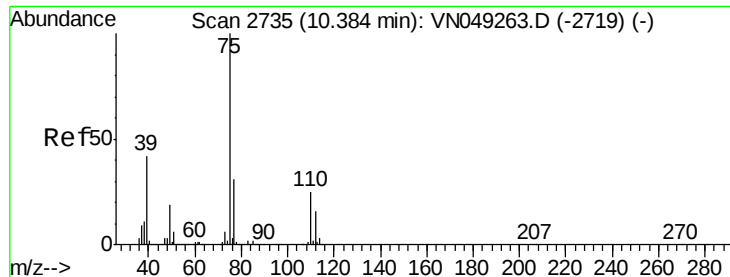
MMDadoda
6/20/2018 4:54:03 PM



#52
Toluene
Concen: 19.670 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion: 92 Resp: 916775
Ion Ratio Lower Upper
92 100
91 175.6 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 17.228 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 75 Resp: 436666

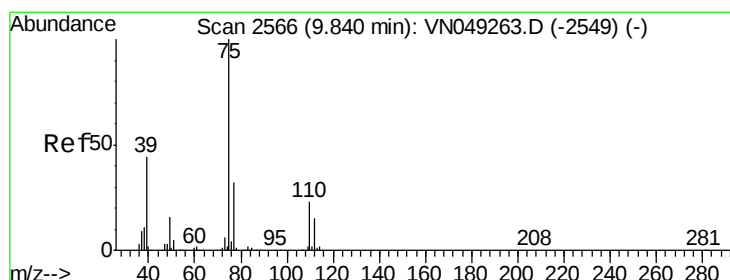
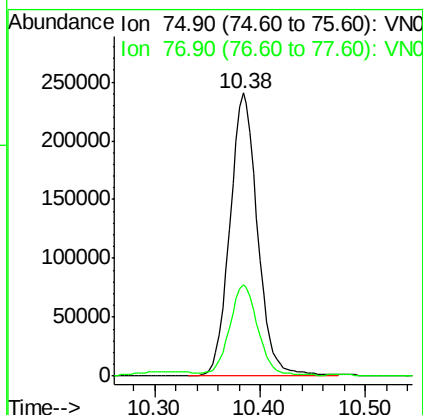
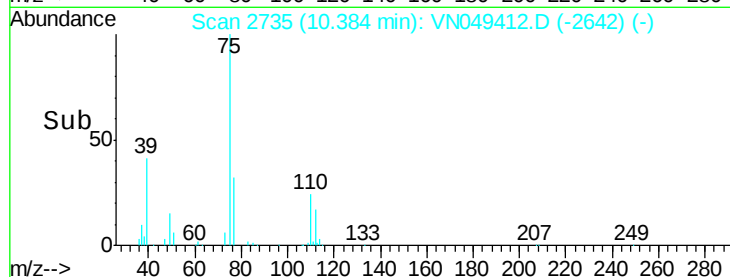
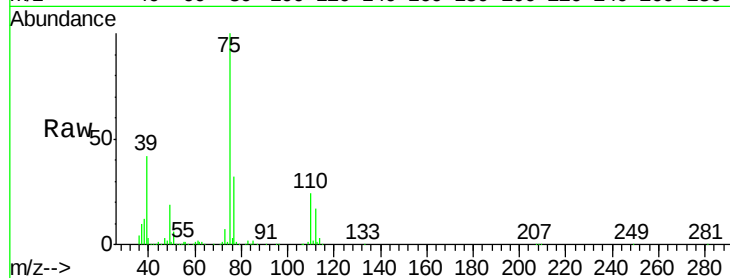
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 17.545 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

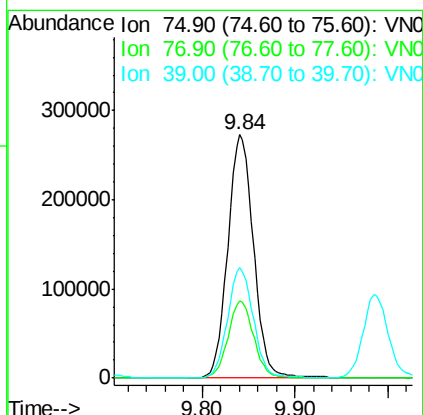
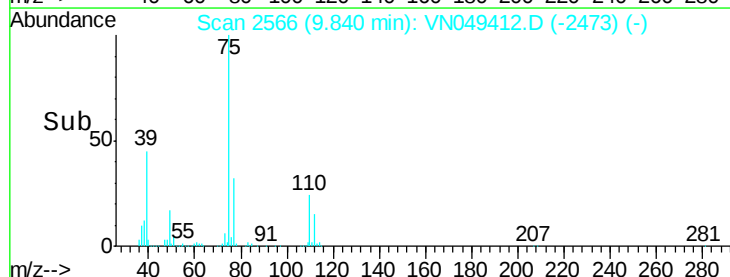
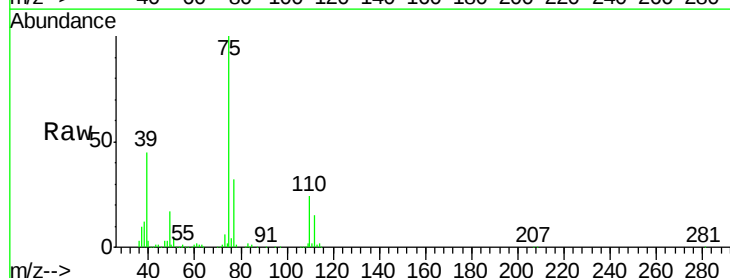
Tgt Ion: 75 Resp: 525066

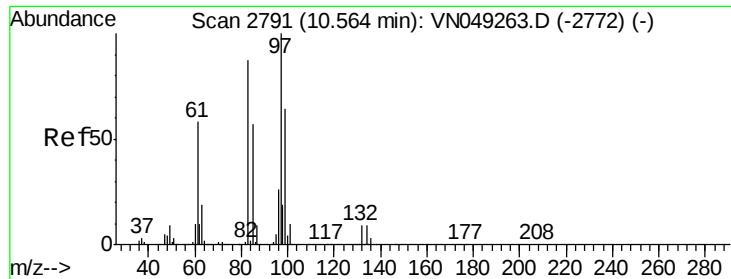
Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 45.2 45.1 67.7





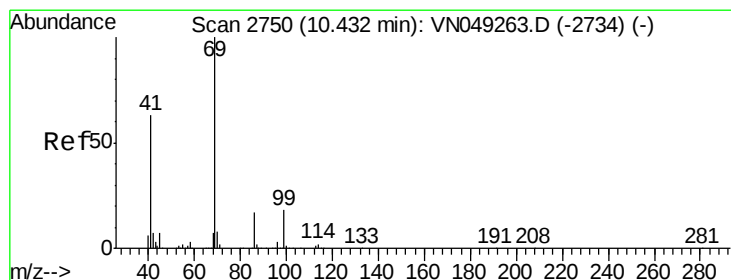
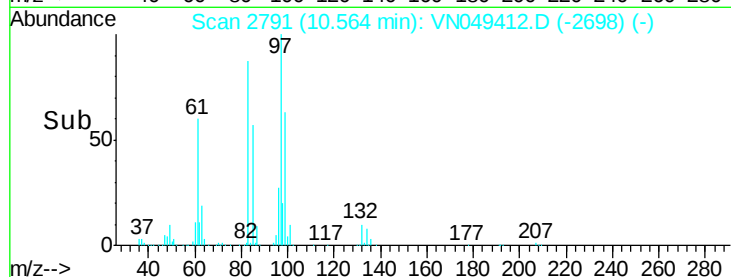
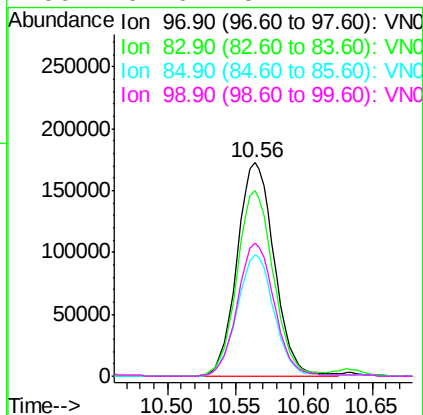
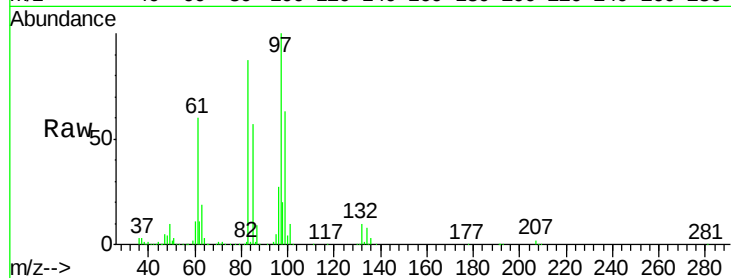
#55
 1,1,2-Trichloroethane
 Concen: 18.860 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		327697		
83	86.6	71.5	107.3		
85	56.7	47.0	70.4		
99	62.6	51.4	77.2		

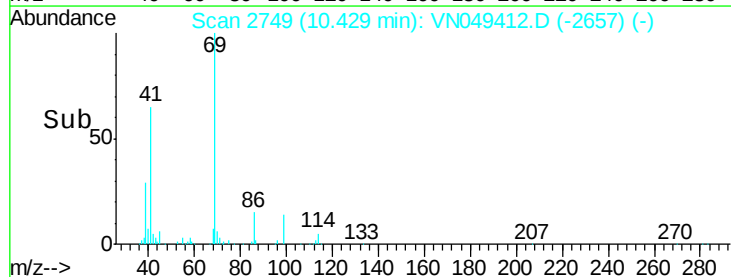
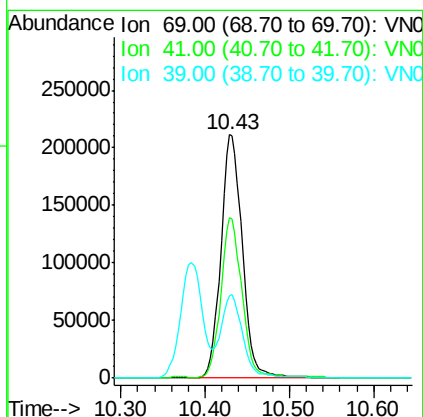
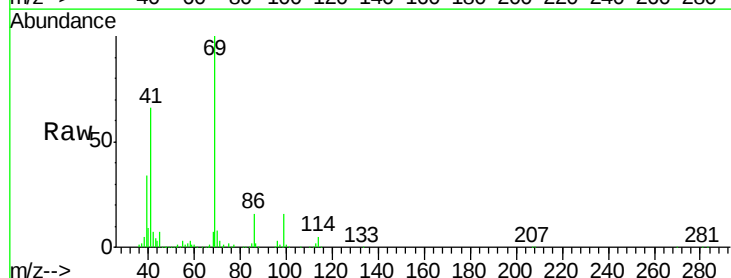
Manual Integrations
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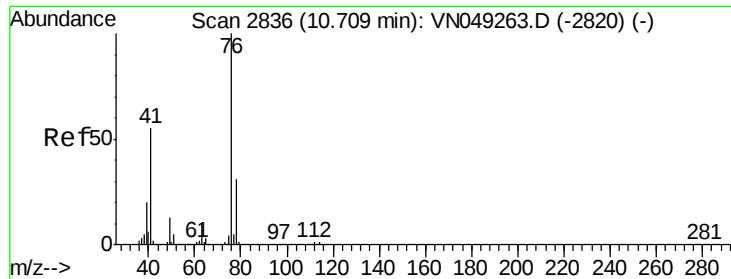
MMDadoda
 6/20/2018 4:54:03 PM



#56
 Ethyl methacrylate
 Concen: 18.650 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		373852		
41	63.7	58.4	87.6		
39	34.4	35.5	53.3#		





#57

1,3-Dichloropropane

Concen: 18.823 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 76 Resp: 541803

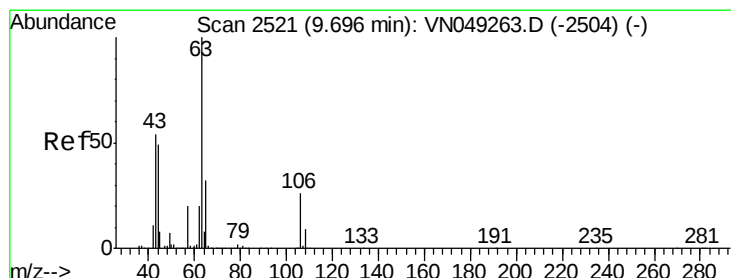
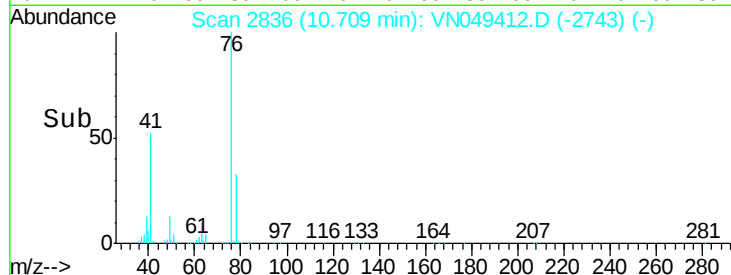
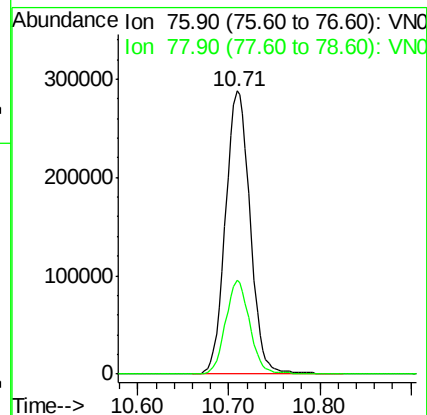
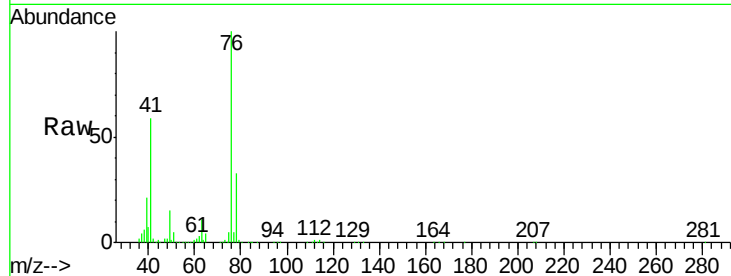
Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 76.479 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049412.D

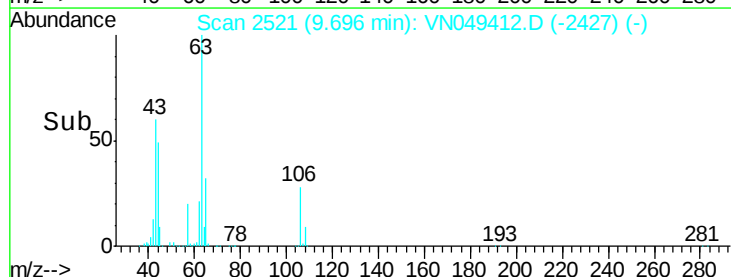
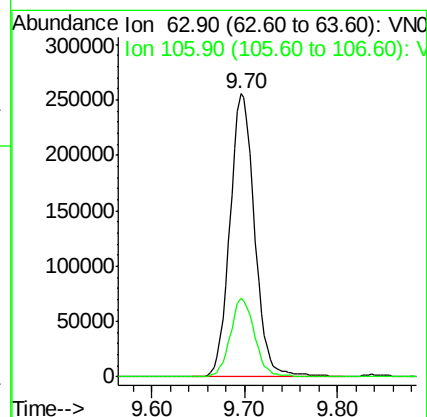
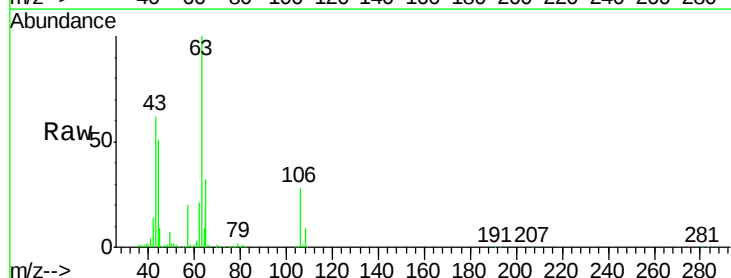
Acq: 20 Jun 2018 3:38

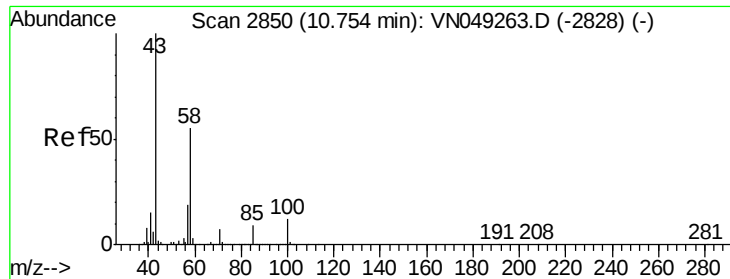
Tgt Ion: 63 Resp: 472476

Ion Ratio Lower Upper

63 100

106 27.4 19.4 29.2





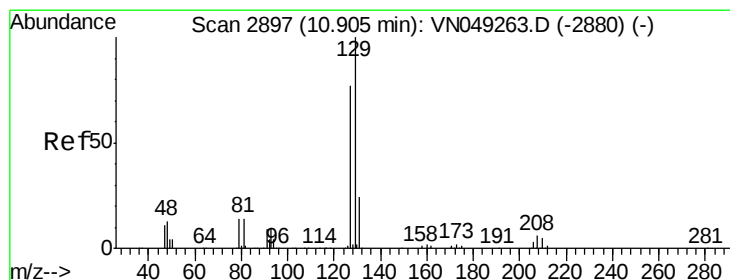
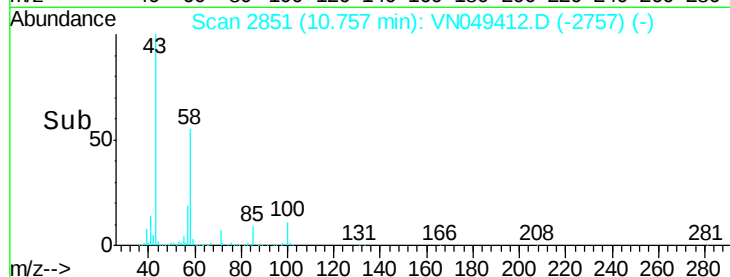
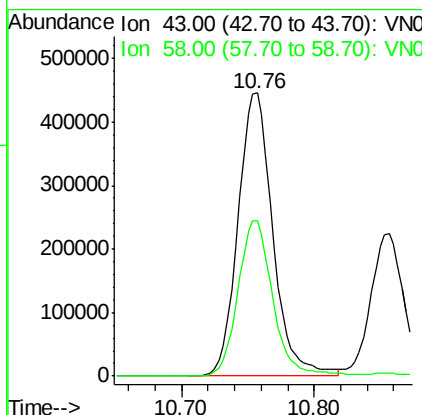
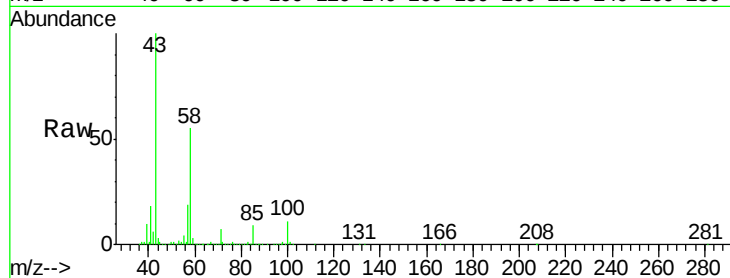
#59
2-Hexanone
Concen: 88.930 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion: 43 Resp: 808473
Ion Ratio Lower Upper
43 100
58 55.4 25.2 75.6

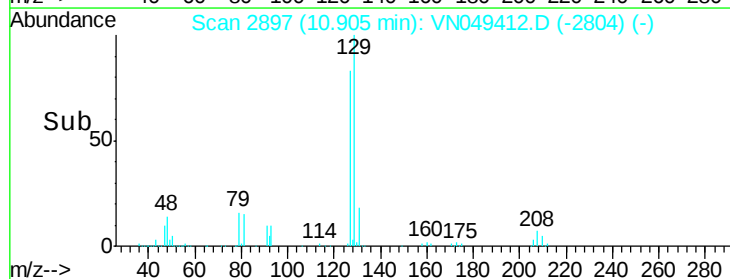
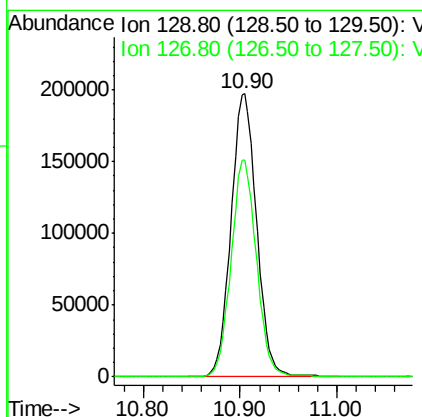
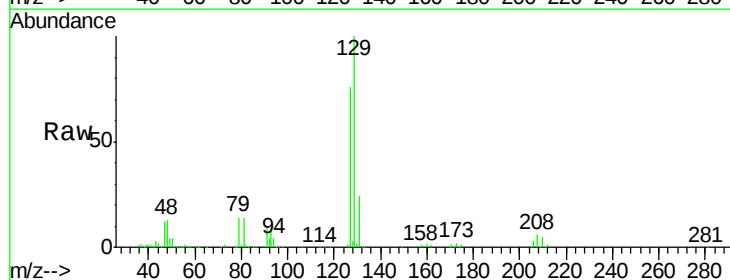
Manual Integrations
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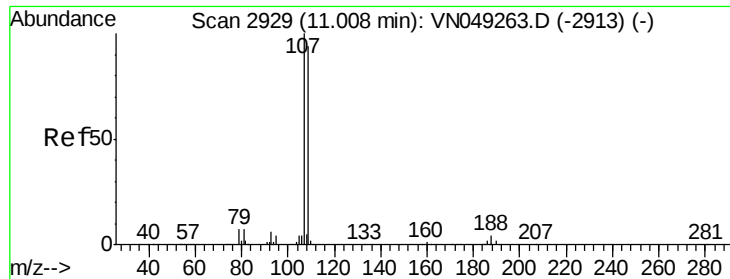
MMDadoda
6/20/2018 4:54:03 PM



#60
Dibromochloromethane
Concen: 18.735 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion: 129 Resp: 363321
Ion Ratio Lower Upper
129 100
127 75.8 39.1 117.2





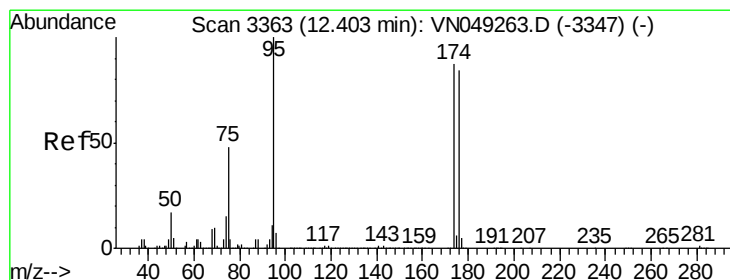
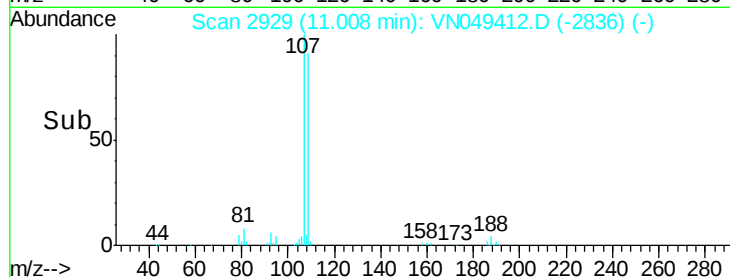
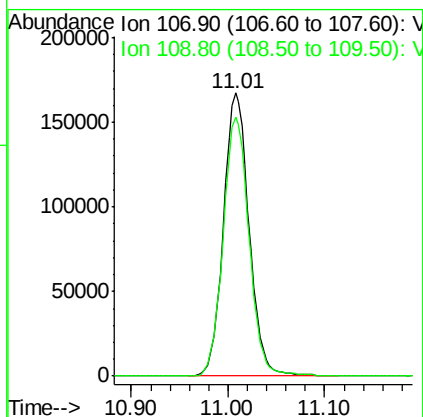
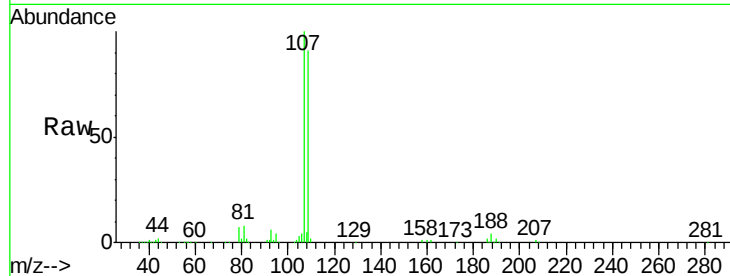
#61
 1,2-Dibromoethane
 Concen: 19.018 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion: 107 Resp: 307146
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.4 113.2

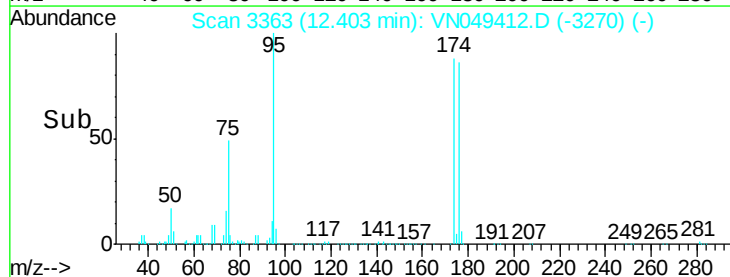
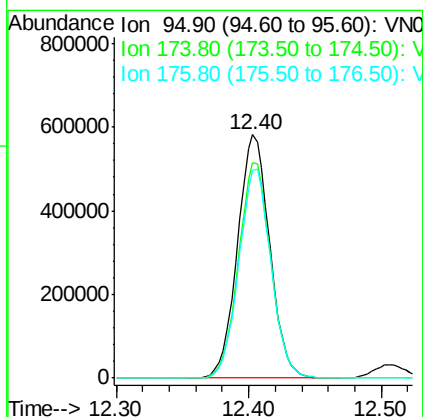
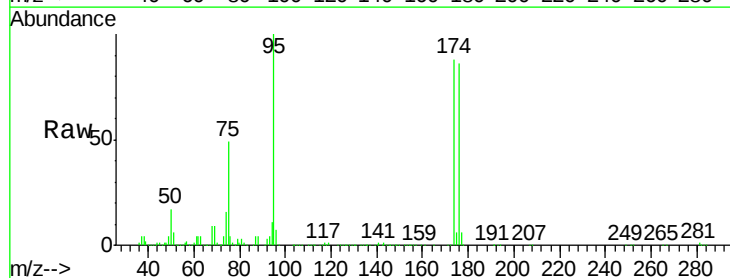
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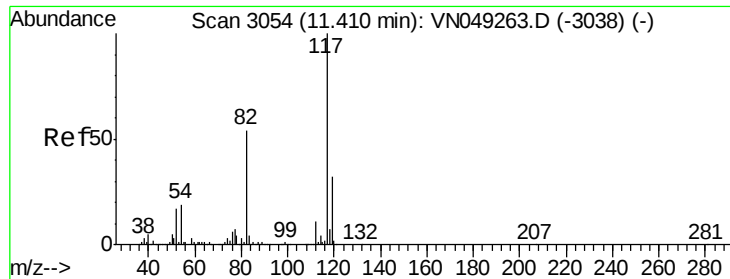
MMDadoda
 6/20/2018 4:54:03 PM



#62
 4-Bromofluorobenzene
 Concen: 42.498 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion: 95 Resp: 978352
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 165.6
 176 85.9 0.0 157.4





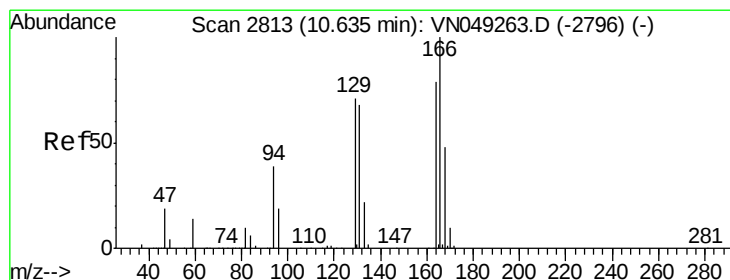
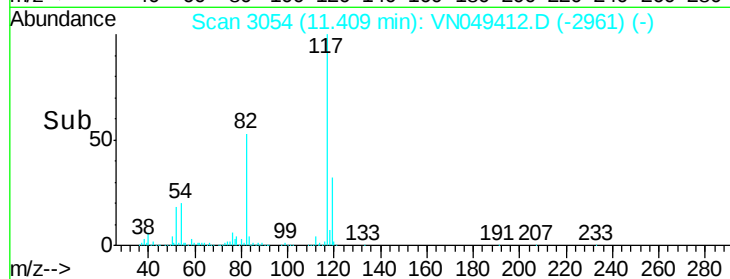
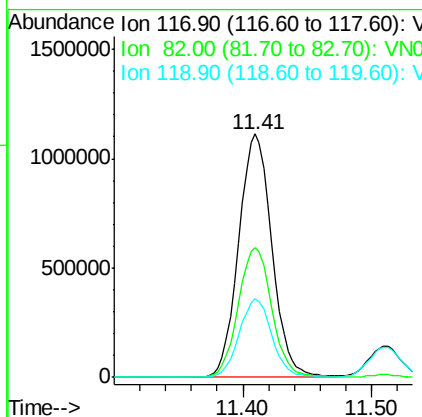
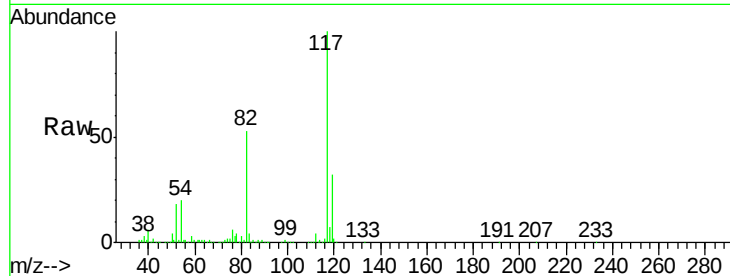
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion:117 Resp: 2001047
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 32.0 25.5 38.3

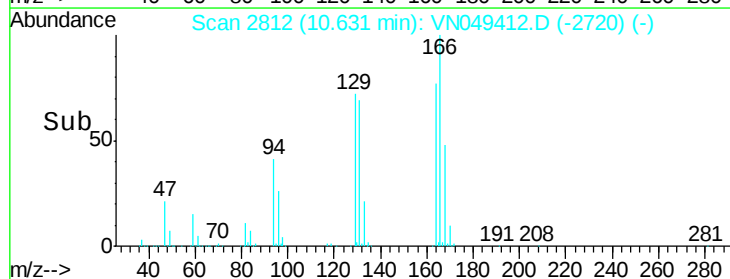
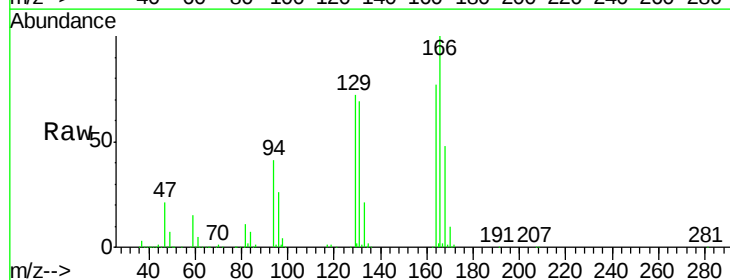
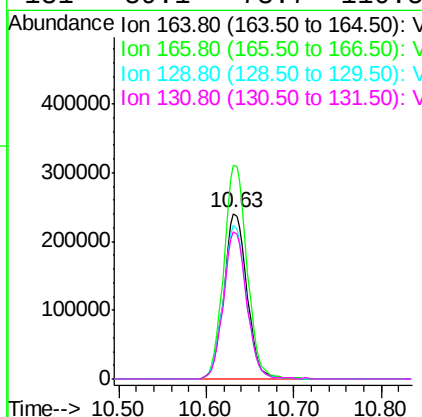
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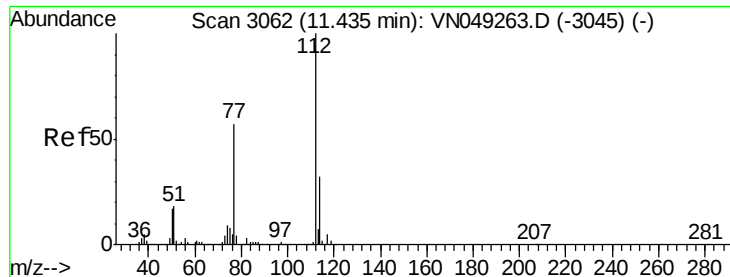
MMDadoda
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#64
Tetrachloroethene
Concen: 21.503 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion:164 Resp: 440916
Ion Ratio Lower Upper
164 100
166 129.4 101.4 152.2
129 92.9 74.1 111.1
131 89.1 73.7 110.5





#65

Chlorobenzene

Concen: 19.135 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion:112 Resp: 986405

Ion Ratio Lower Upper

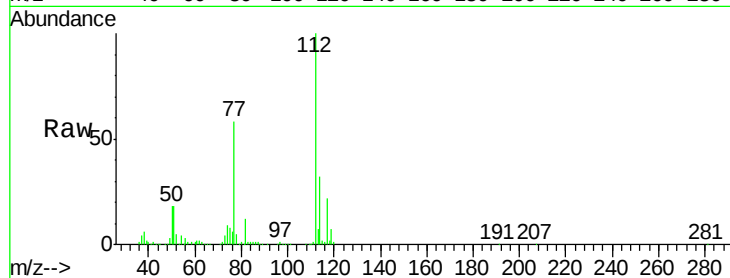
112 100

114 31.8 26.2 39.4

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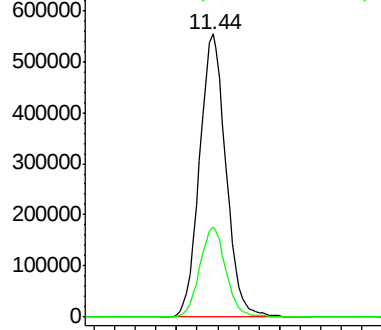
MMDadoda

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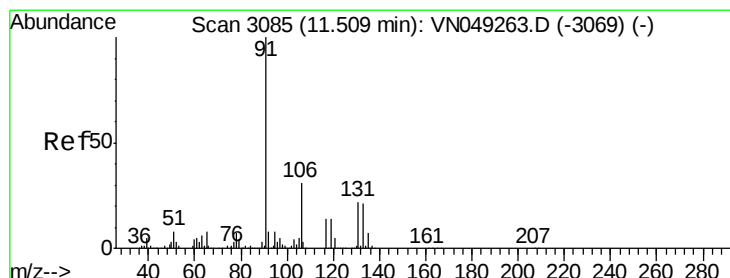
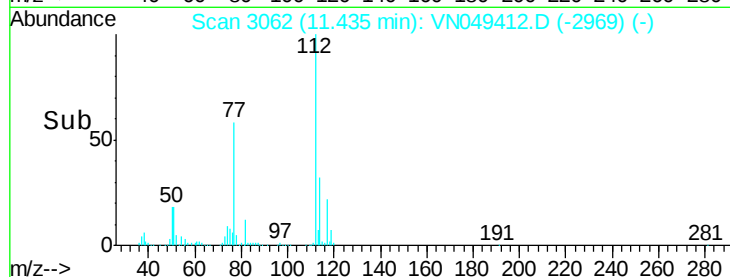


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.921 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

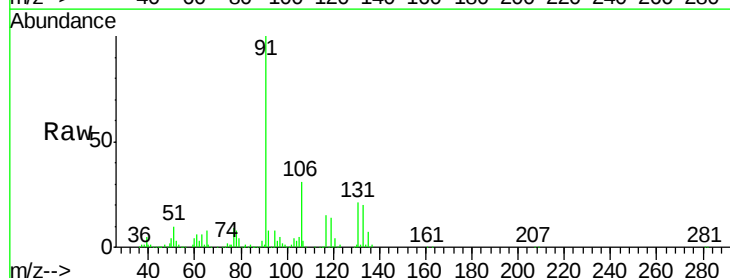
Tgt Ion:131 Resp: 367053

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

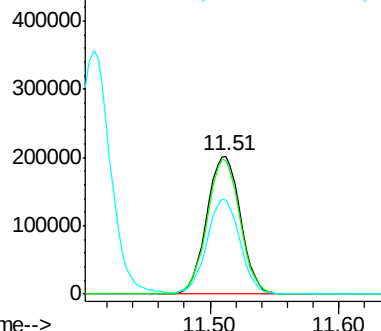
119 67.5 33.6 100.8



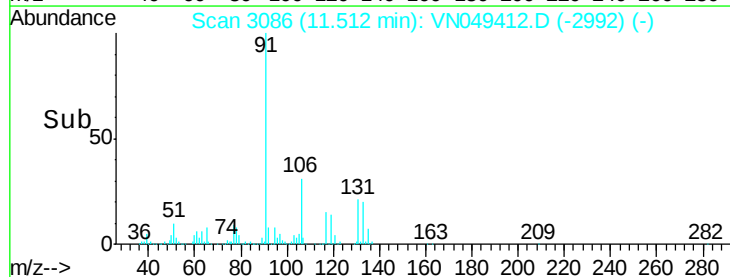
Abundance Ion 130.80 (130.50 to 131.50): V

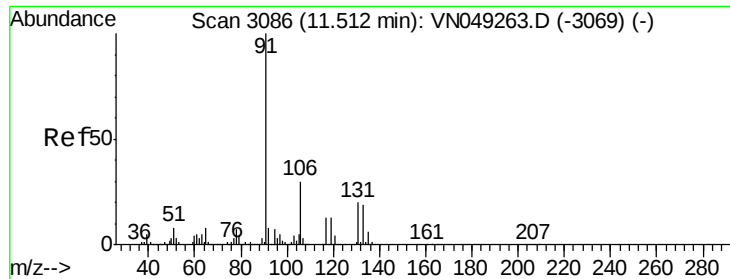
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 19.408 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 91 Resp: 1659465

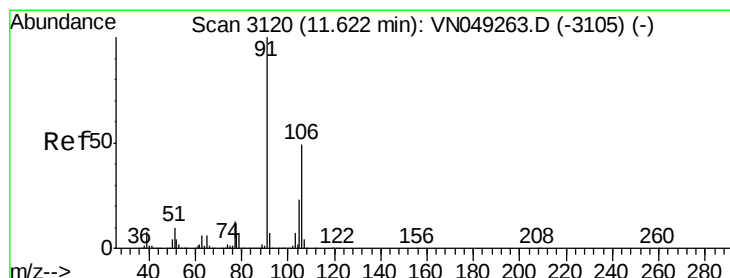
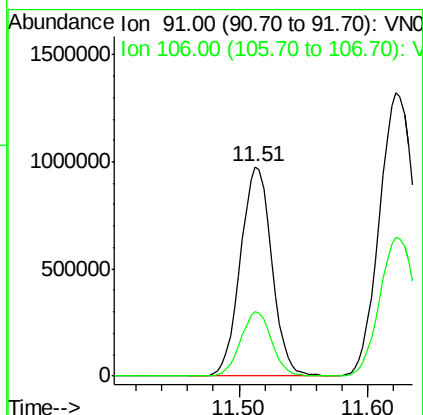
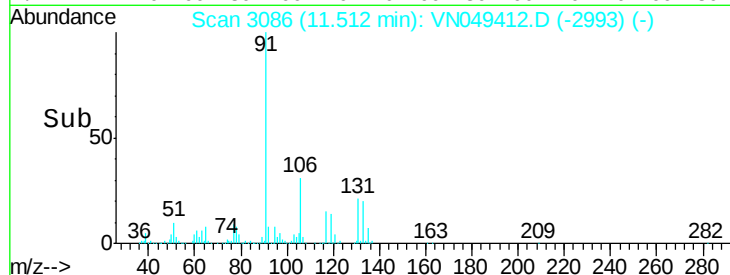
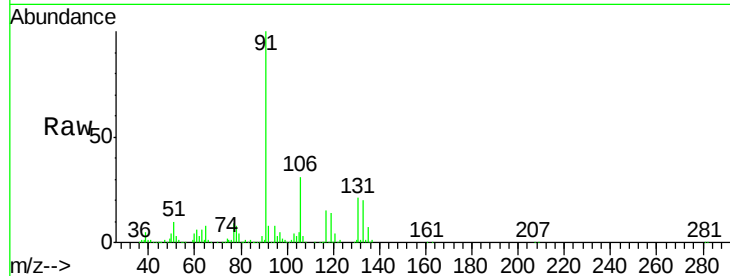
Ion Ratio Lower Upper

91 100

106 30.7 23.9 35.9

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#68

m/p-Xylenes

Concen: 39.642 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049412.D

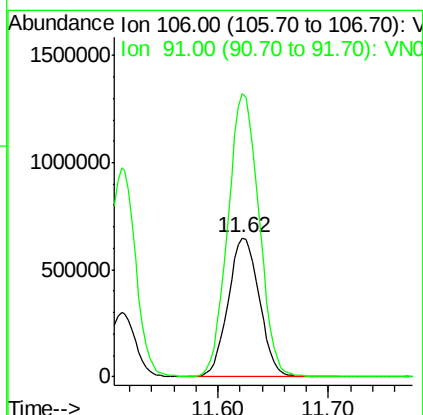
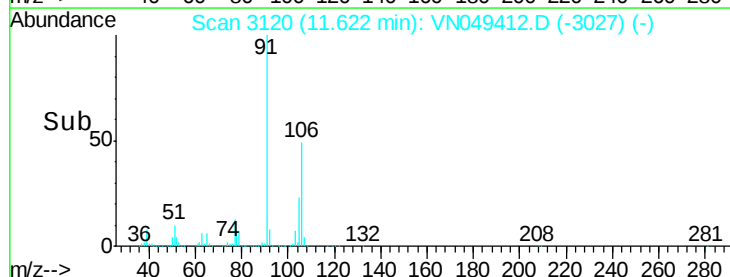
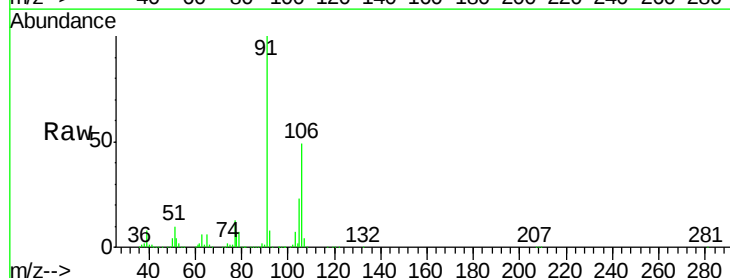
Acq: 20 Jun 2018 3:38

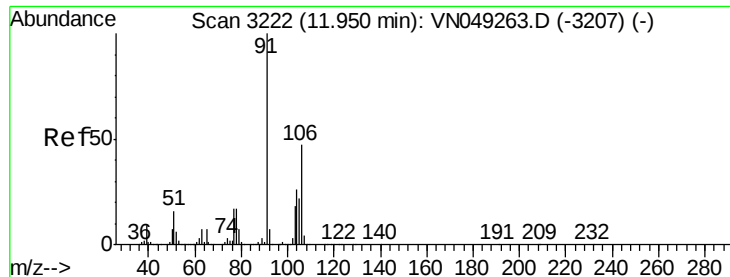
Tgt Ion: 106 Resp: 1272056

Ion Ratio Lower Upper

106 100

91 203.7 167.3 250.9





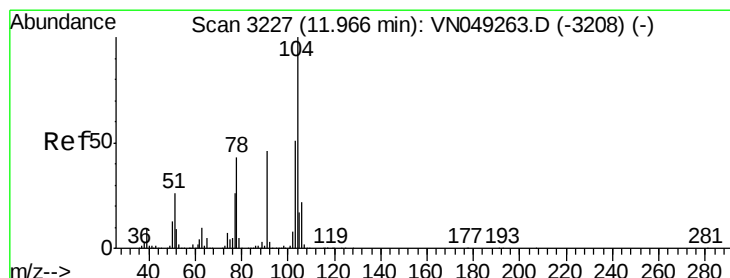
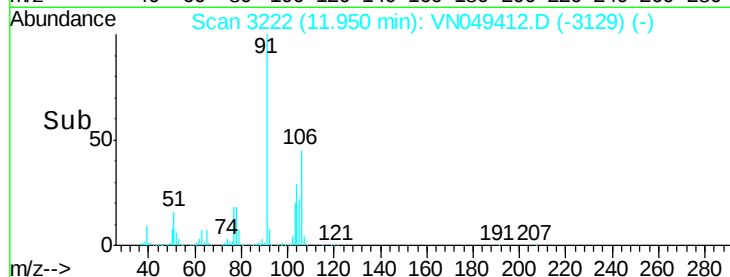
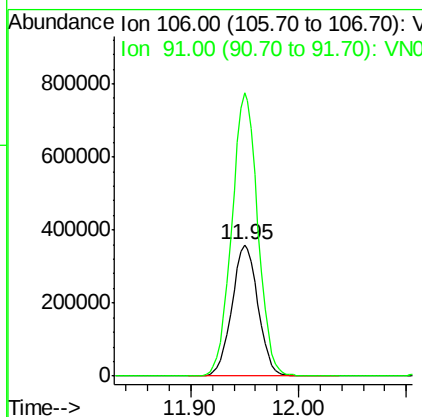
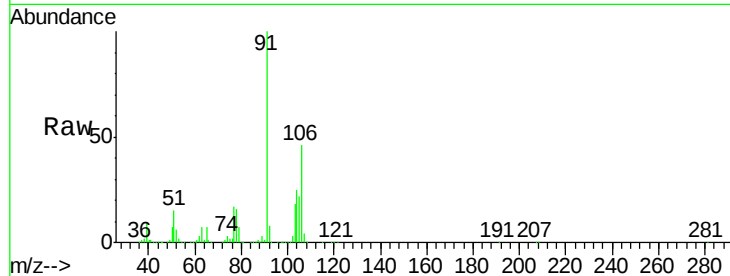
#69
o-Xylene
Concen: 19.604 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	605904		
91	91	215.3	111.0	333.0	

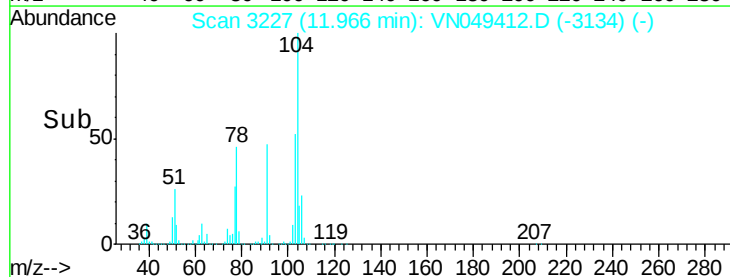
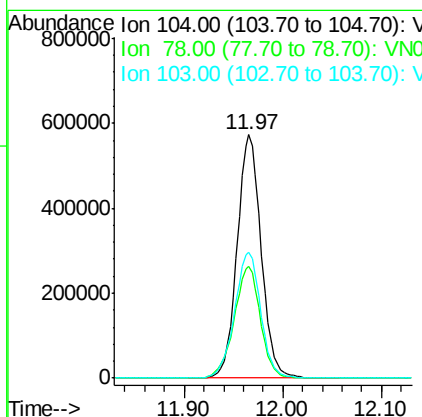
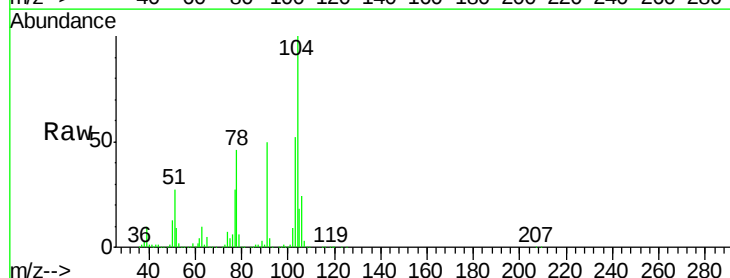
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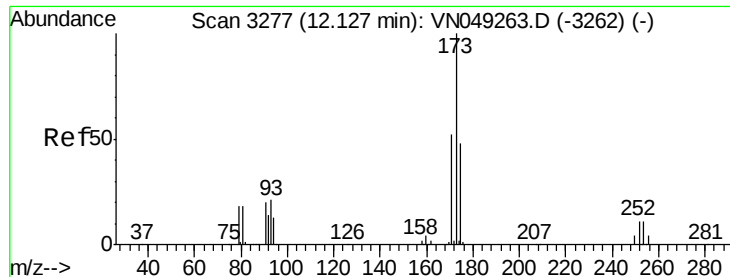
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#70
Styrene
Concen: 19.829 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	966843		
78	78	50.3	41.6	62.4	
103	103	56.4	45.4	68.2	





#71

Bromoform

Concen: 18.843 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

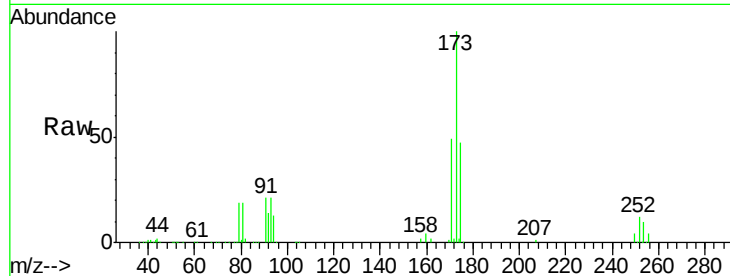
ClientSampleId :

VN0619WBSD02

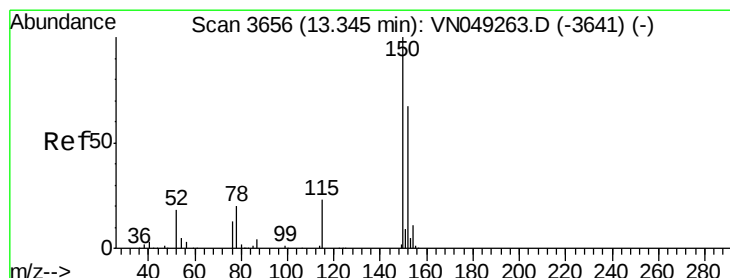
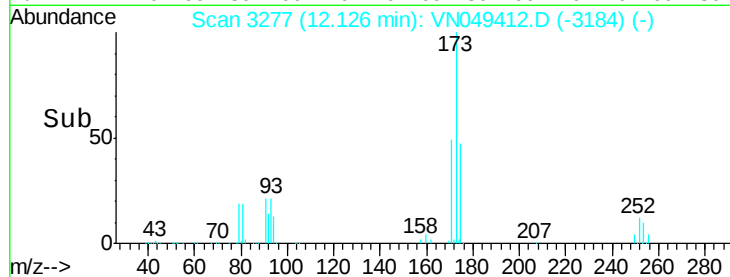
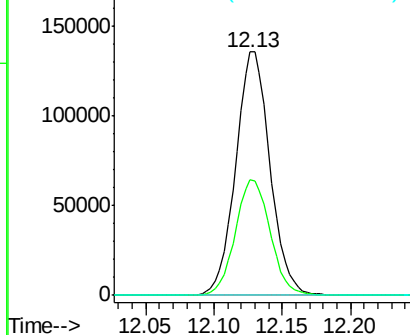
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

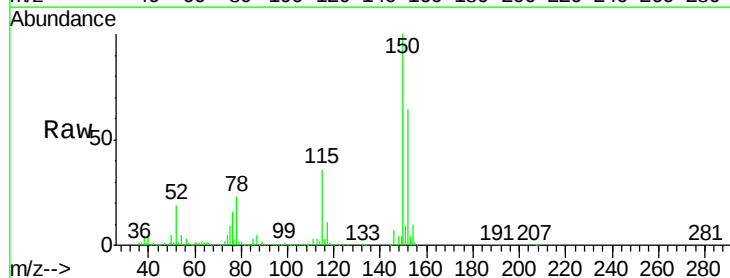
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

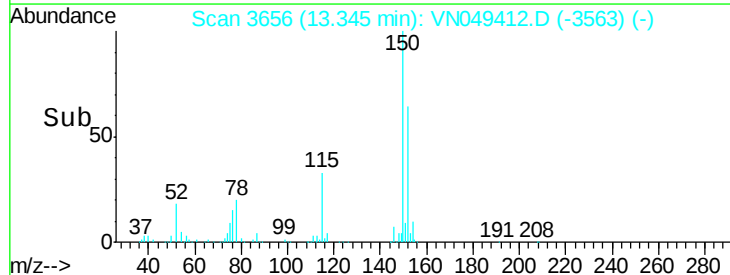
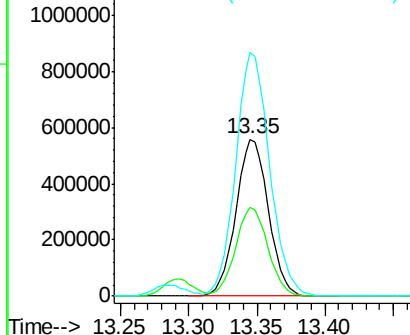
Lab File: VN049412.D

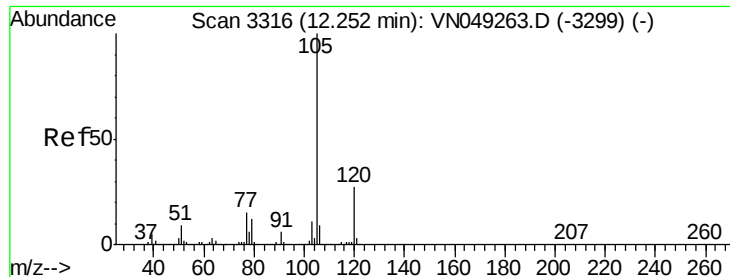
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.7	86.1
150	162.4	0.0	351.0



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: 19.838 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion:105 Resp: 1604785

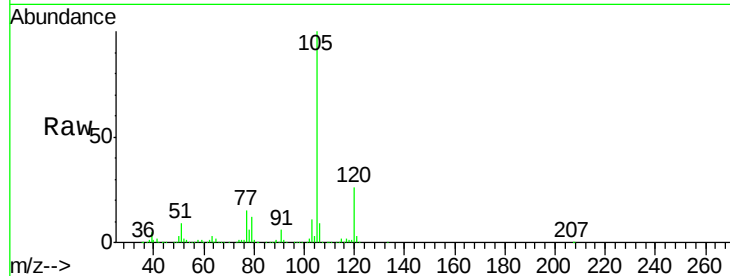
Ion Ratio Lower Upper

105 100

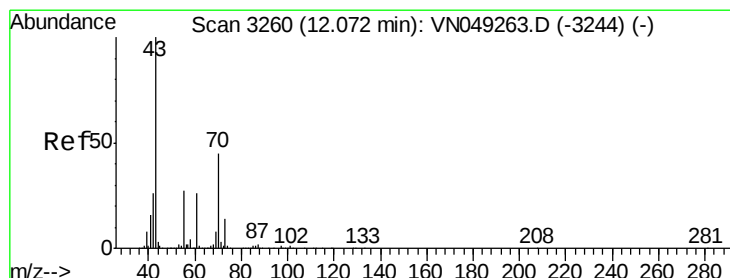
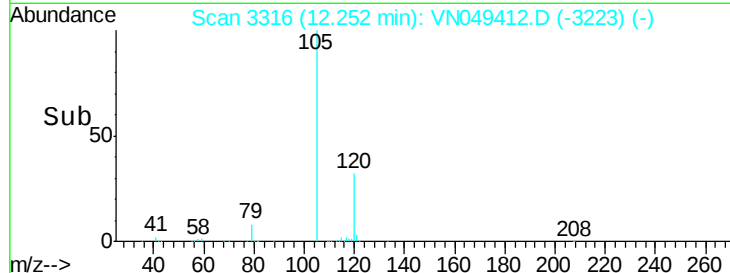
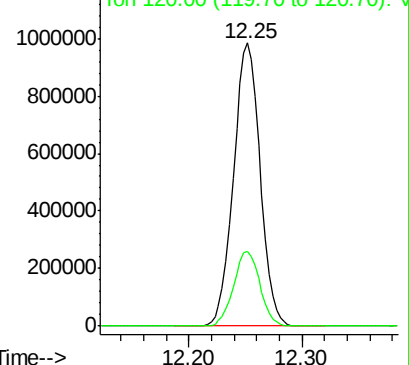
120 26.3 12.8 38.3

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



#74

N-ethyl acetate

Concen: 18.511 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion: 43 Resp: 366783

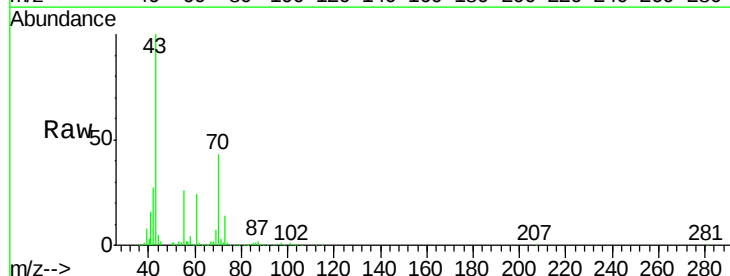
Ion Ratio Lower Upper

43 100

70 43.1 30.3 45.5

55 27.0 19.4 29.2

61 24.0 17.8 26.6

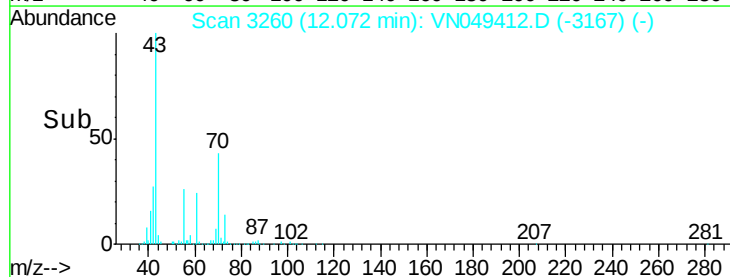
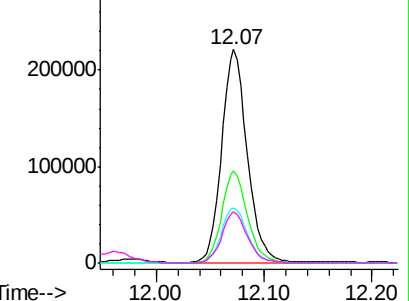


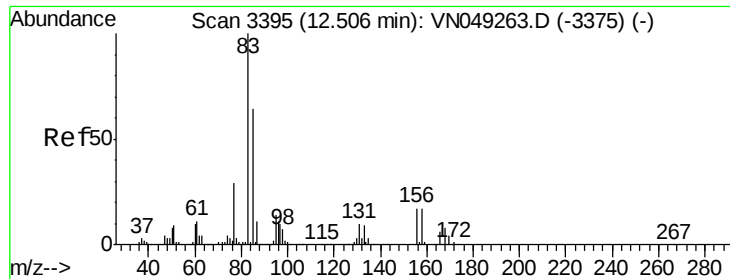
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.701 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 83 Resp: 350462

Ion Ratio Lower Upper

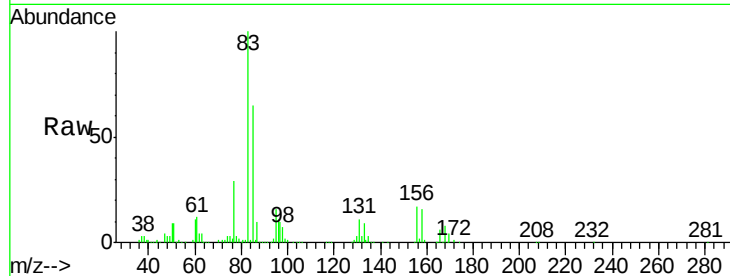
83 100

131 10.5 5.0 15.0

85 63.8 32.0 96.0

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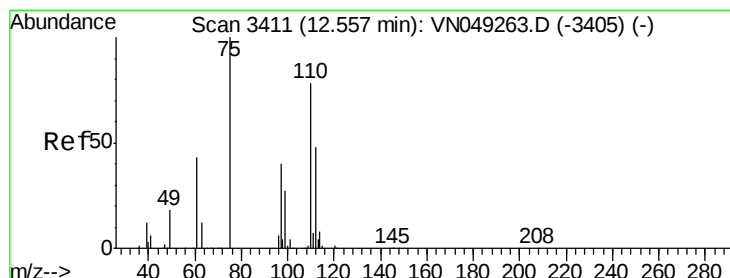
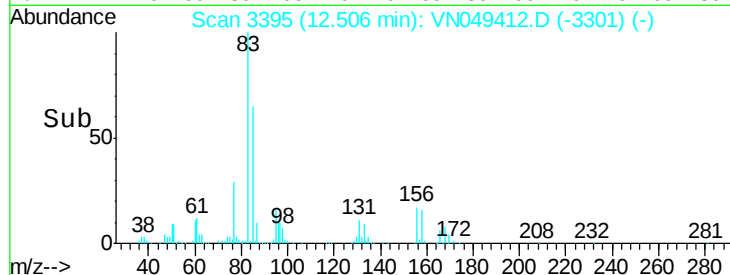


Abundance Ion 82.90 (82.60 to 83.60): VN049412.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049412.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049412.D (-3301) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.247 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN049412.D

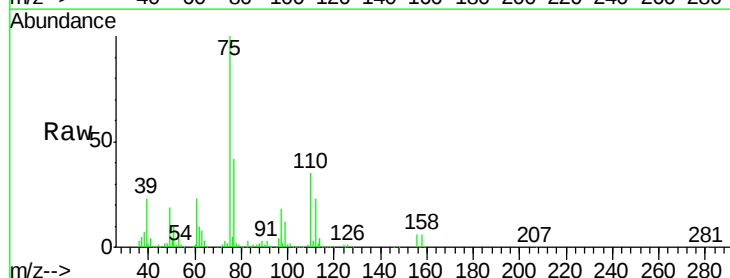
Acq: 20 Jun 2018 3:38

Tgt Ion: 75 Resp: 302567

Ion Ratio Lower Upper

75 100

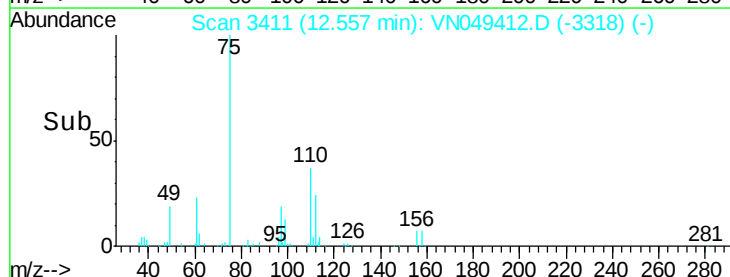
77 0.0 0.0 0.0

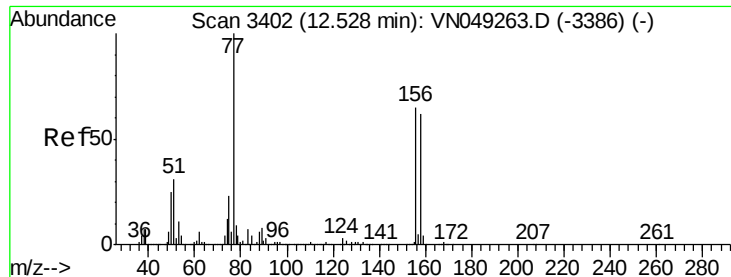


Abundance Ion 74.90 (74.60 to 75.60): VN049412.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049412.D (-3318) (-)

Time-->





#77

Bromobenzene

Concen: 18.529 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

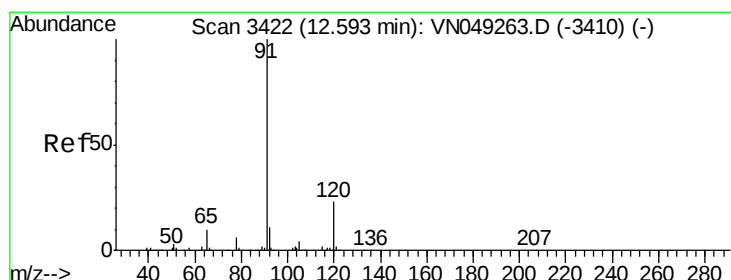
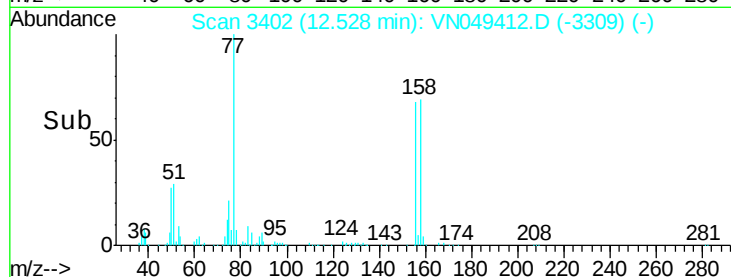
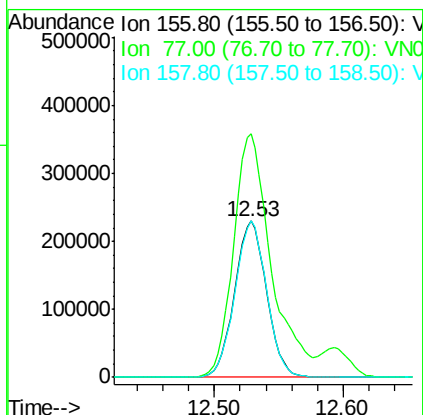
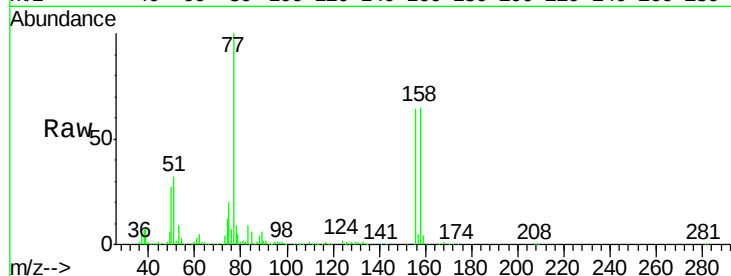
ClientSampleId :

VN0619WBSD02

Tot Ion:	156	Resp:	395921
Ion Ratio	Lower	Upper	
156	100		
77	183.9	100.8	302.4
158	99.6	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.847 ug/l

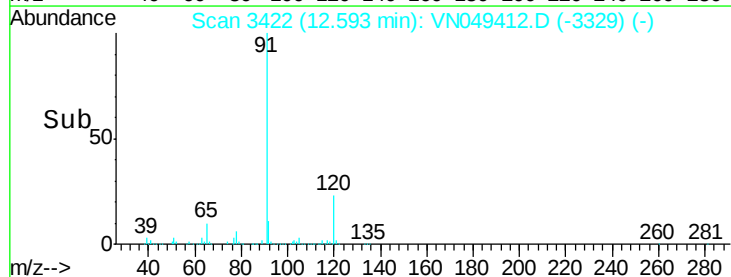
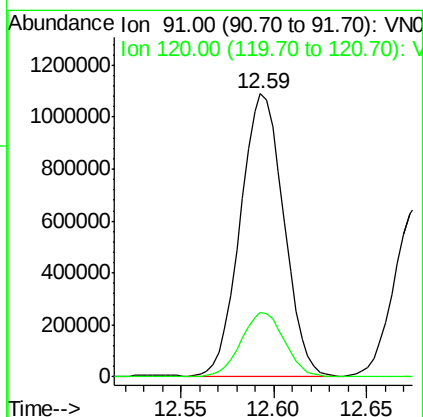
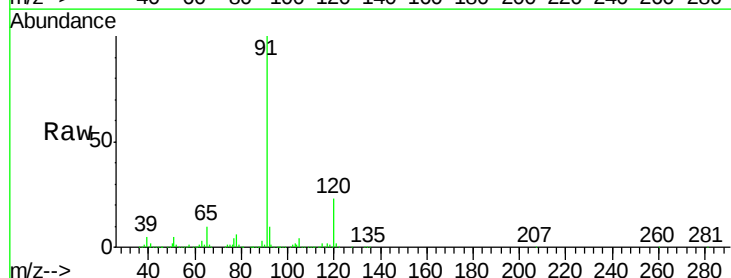
RT: 12.59 min Scan# 3422

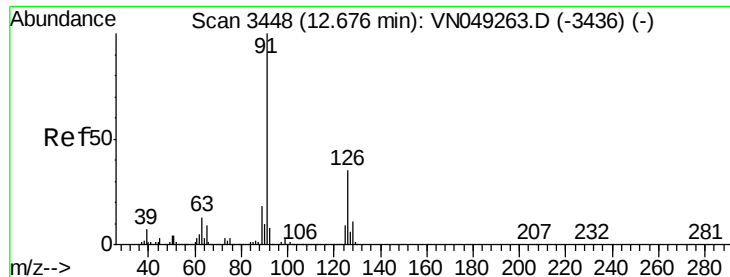
Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	91	Resp:	1762867
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.710 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 91 Resp: 1109311

Ion Ratio Lower Upper

91 100

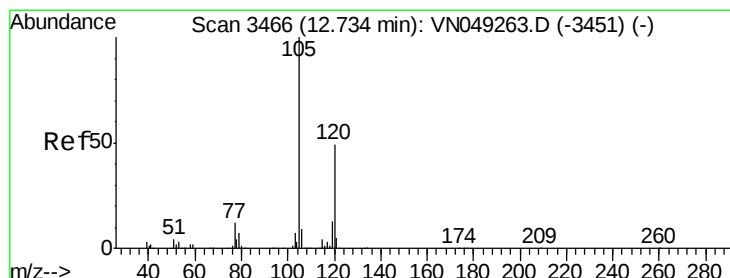
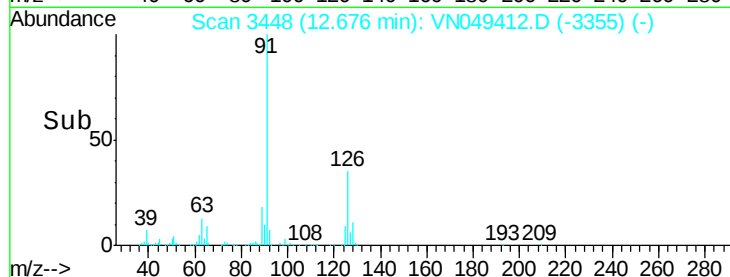
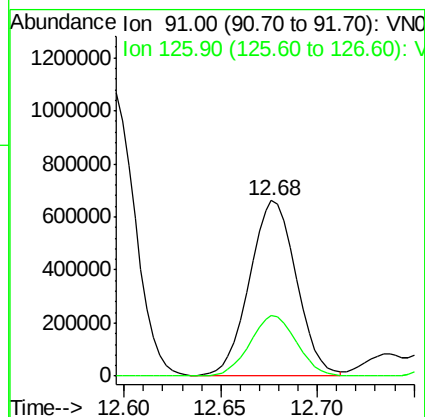
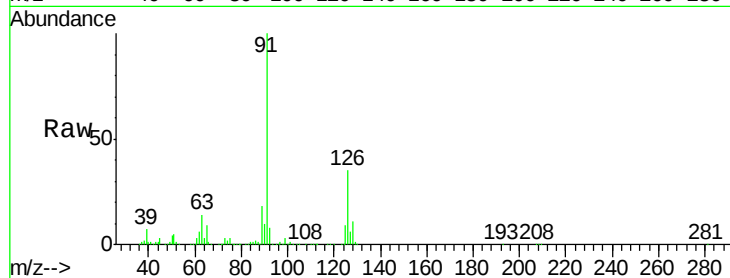
126 34.6 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.395 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049412.D

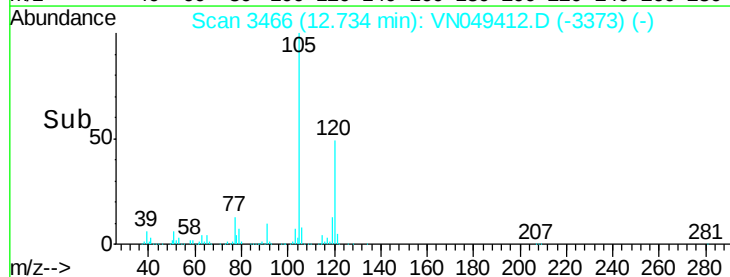
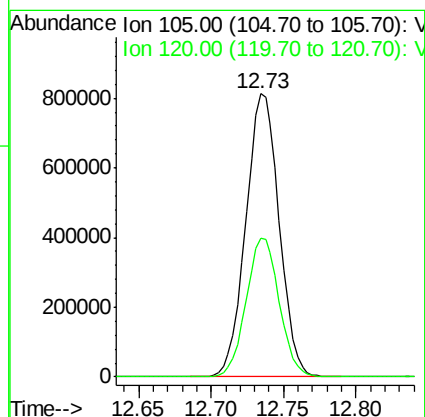
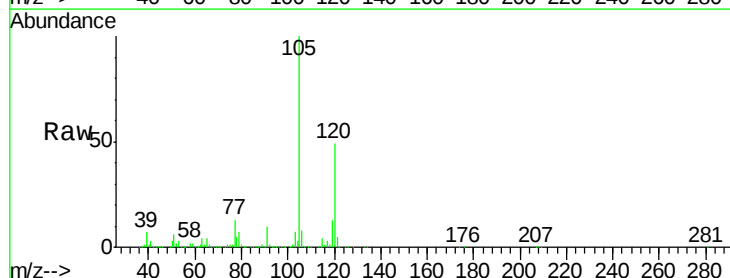
Acq: 20 Jun 2018 3:38

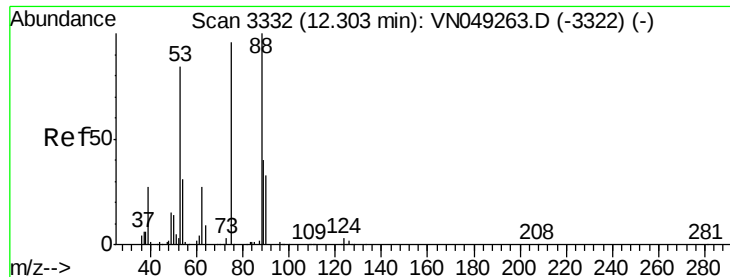
Tgt Ion: 105 Resp: 1296805

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 15.816 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

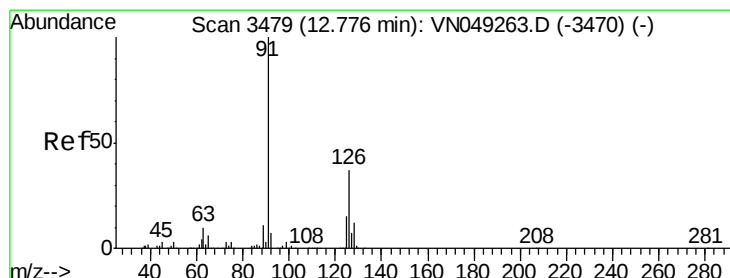
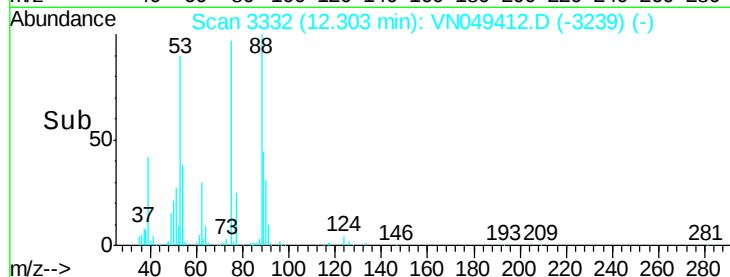
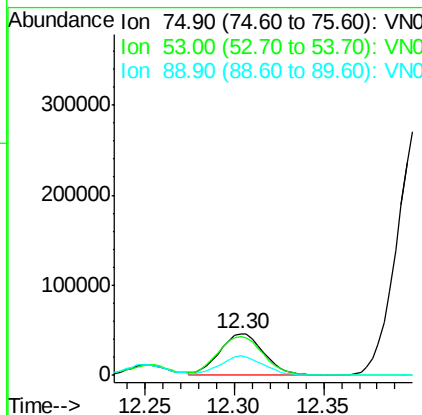
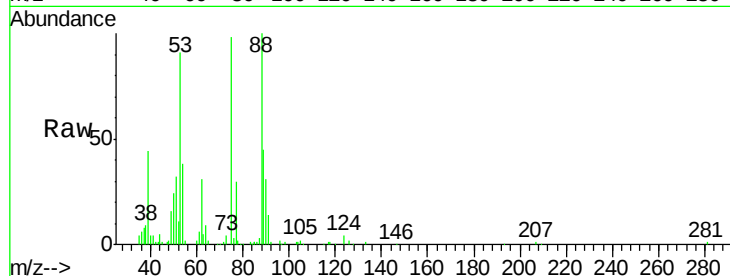
ClientSampleId :

VN0619WBSD02

Tot Ion:	75	Resp:	78670
Ion	Ratio	Lower	Upper
75	100		
53	98.1	82.7	124.1
89	46.1	36.5	54.7

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#82

4-Chlorotoluene

Concen: 19.892 ug/l

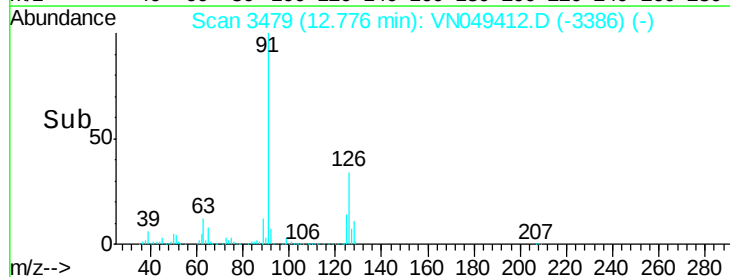
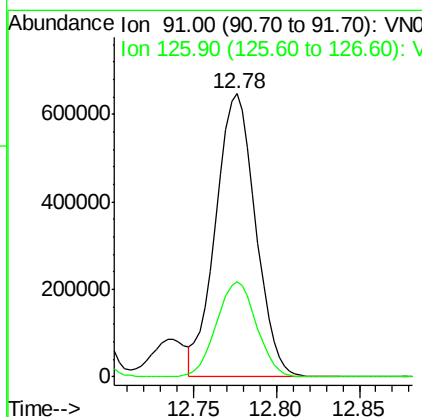
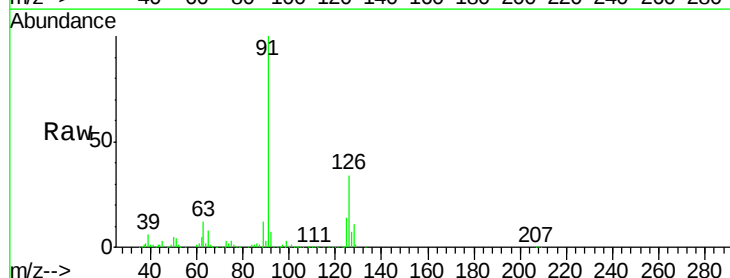
RT: 12.78 min Scan# 3479

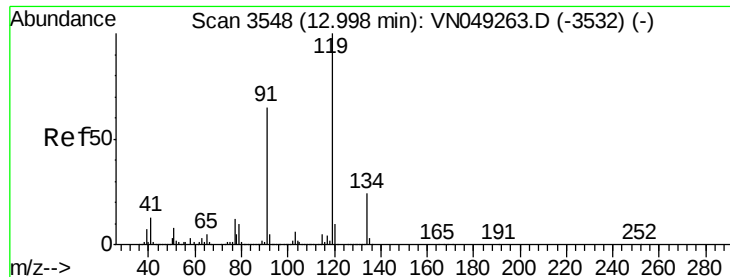
Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	91	Resp:	1080038
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.1





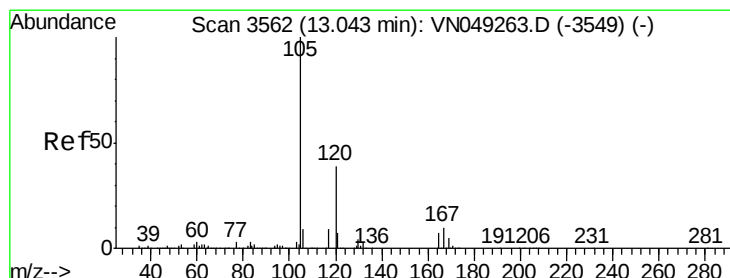
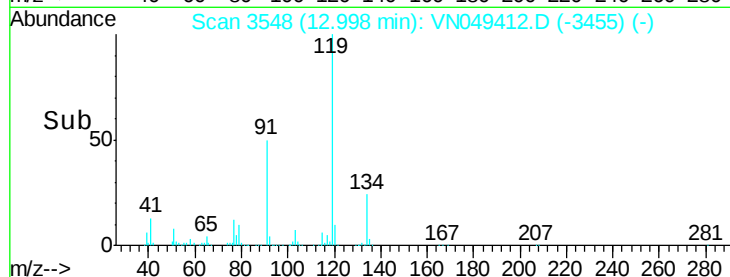
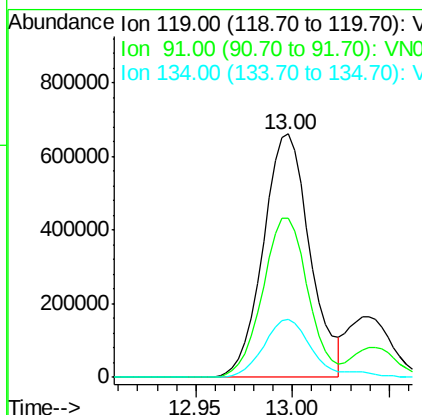
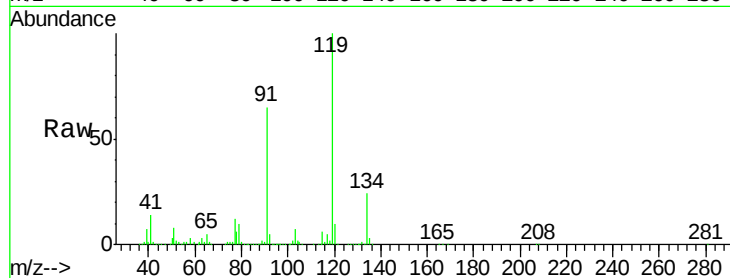
#83
 tert-Butylbenzene
 Concen: 19.771 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion:119 Resp: 1113703
 Ion Ratio Lower Upper
 119 100
 91 63.6 33.7 101.0
 134 25.1 12.9 38.6

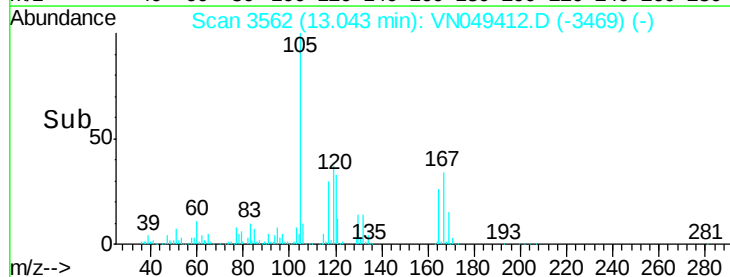
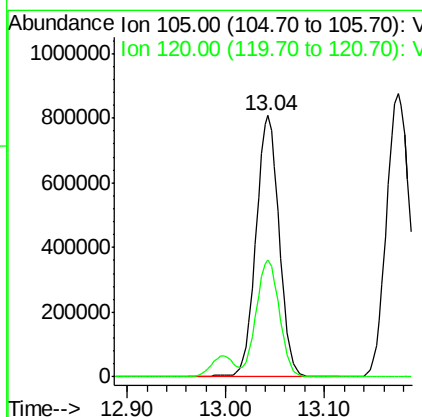
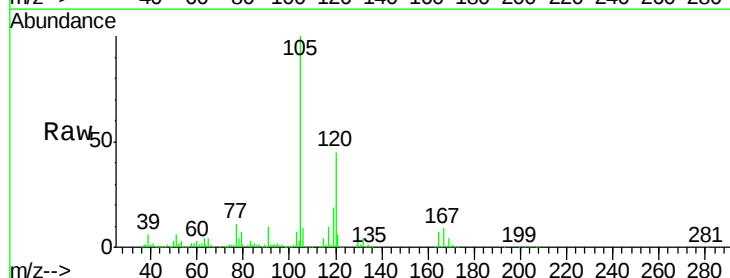
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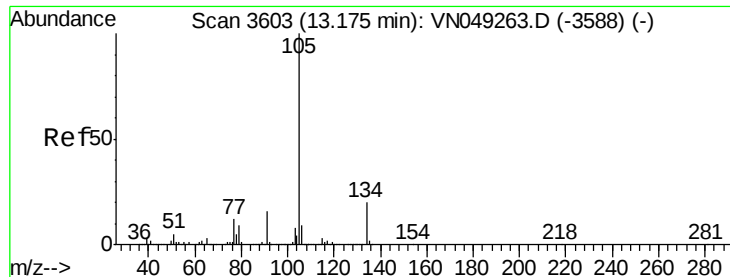
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.540 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion:105 Resp: 1297397
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.184 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD02

Tot Ion:105 Resp: 1438319

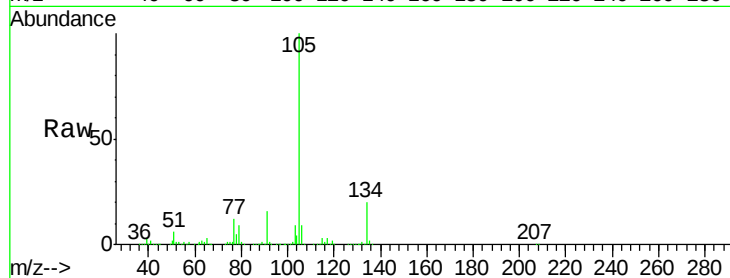
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.3

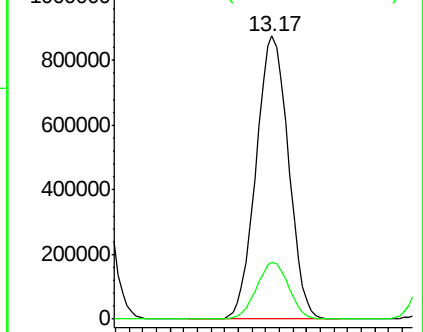
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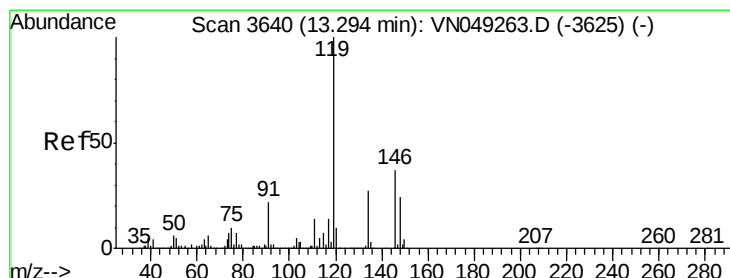
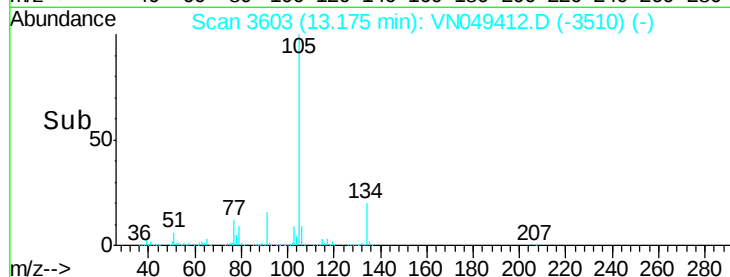


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.141 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

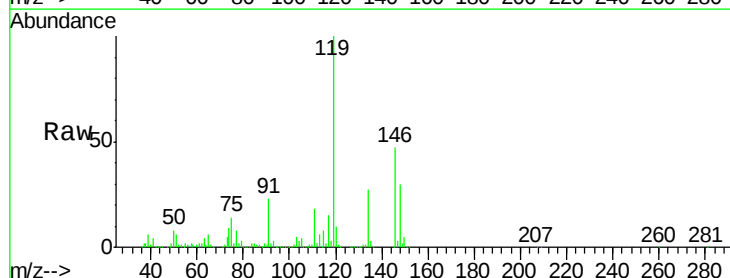
Tgt Ion:119 Resp: 1198998

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

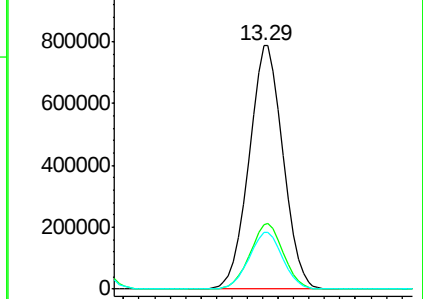
91 23.3 12.1 36.3



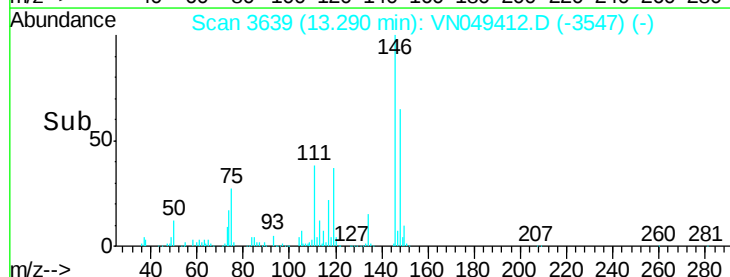
Abundance Ion 119.00 (118.70 to 119.70): V

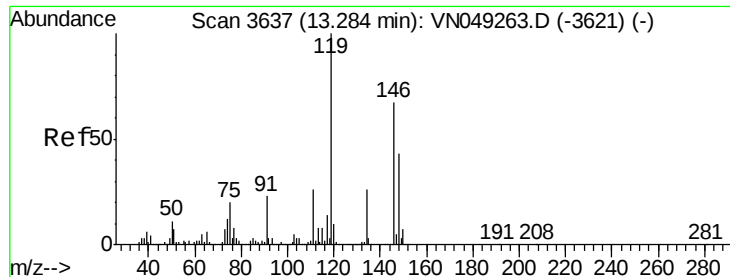
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 18.798 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

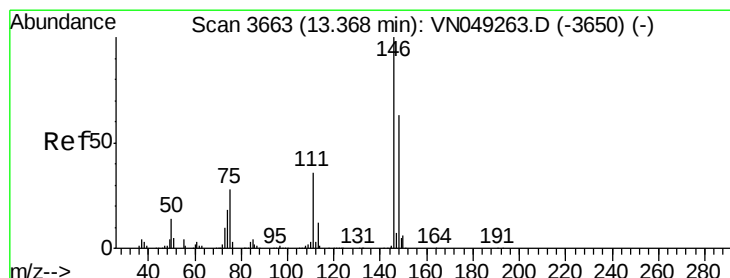
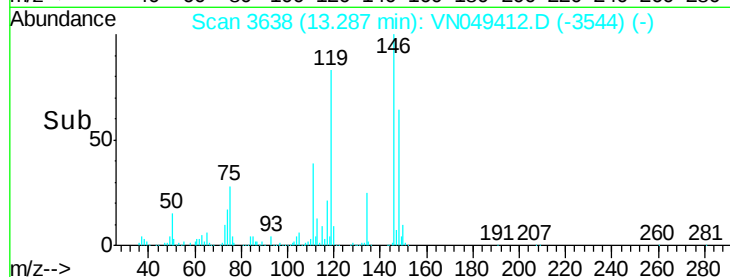
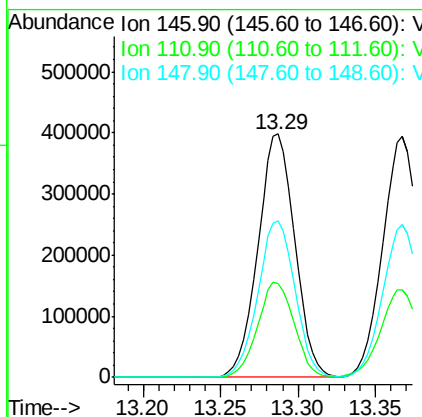
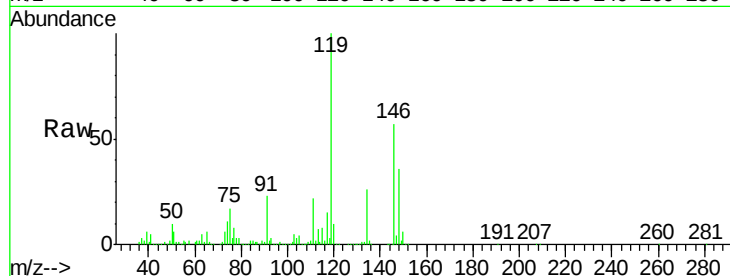
ClientSampleId :

VN0619WBSD02

Tot Ion:	146	Resp:	660788
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.9	59.6
148	64.7	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 18.692 ug/l

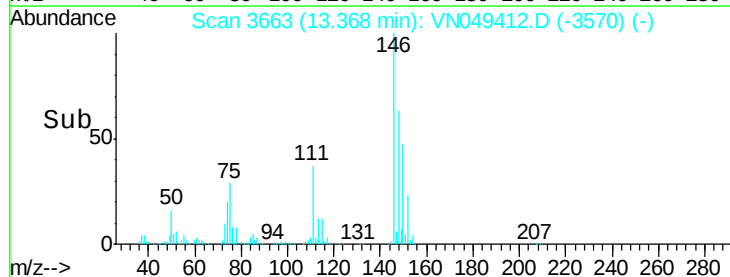
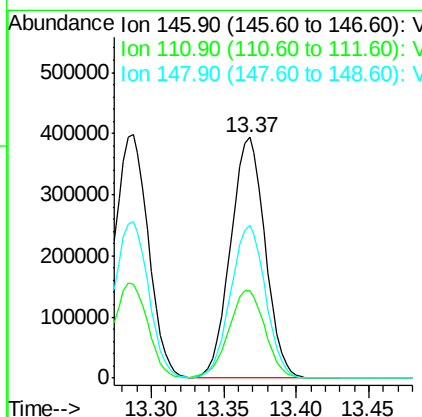
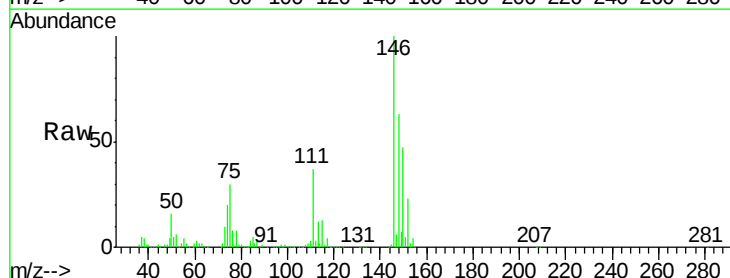
RT: 13.37 min Scan# 3663

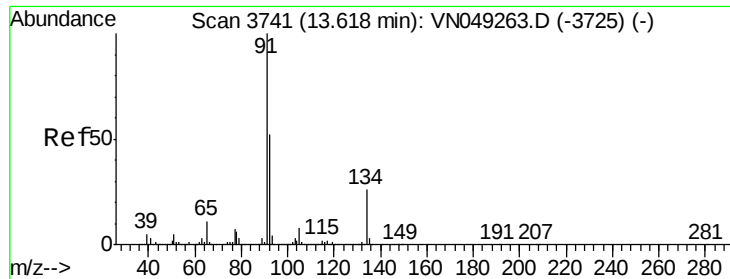
Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	146	Resp:	651247
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	64.1	32.0	96.2





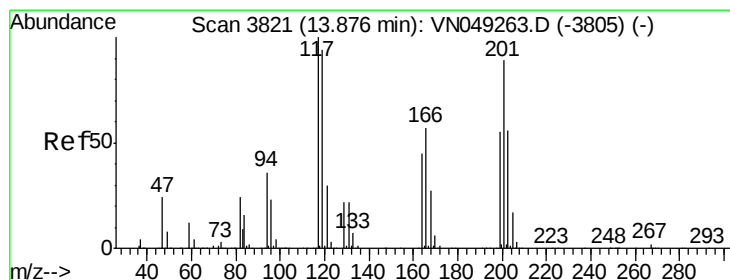
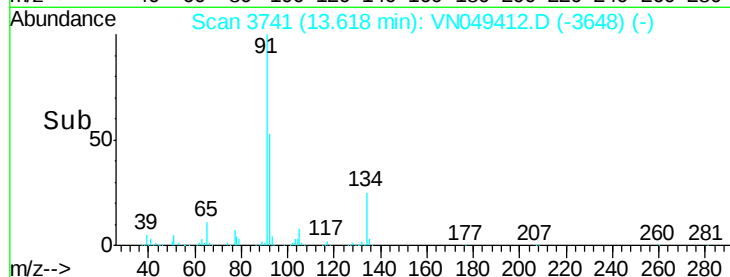
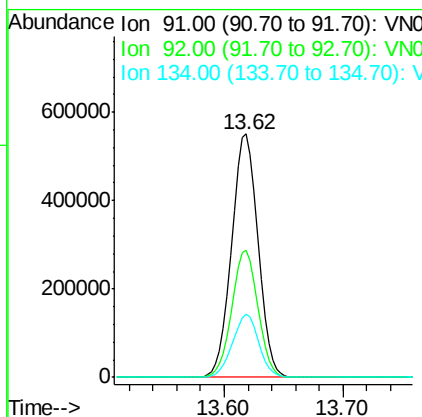
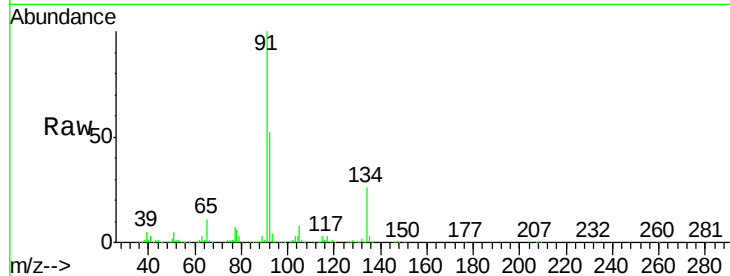
#89
n-Butylbenzene
Concen: 17.313 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.1	75.4
134	25.7	12.0	36.0

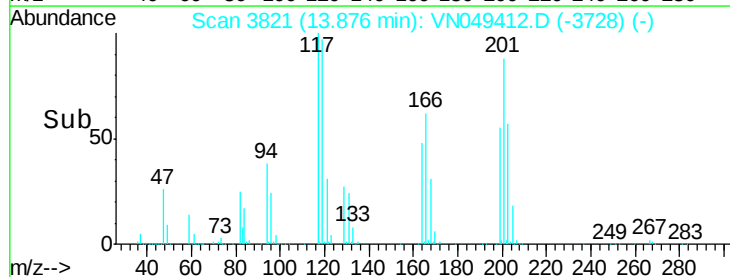
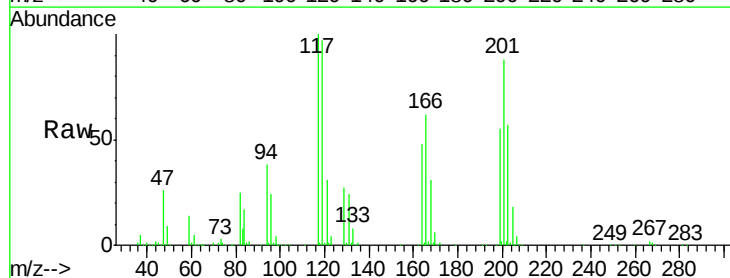
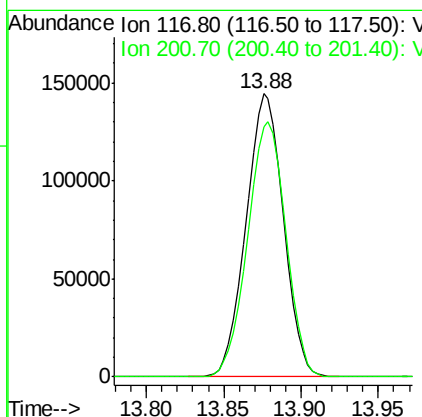
Manual Integrations
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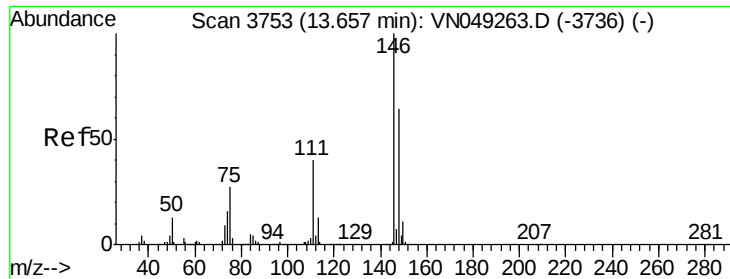
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#90
Hexachloroethane
Concen: 19.497 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049412.D
Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	40.1	120.2





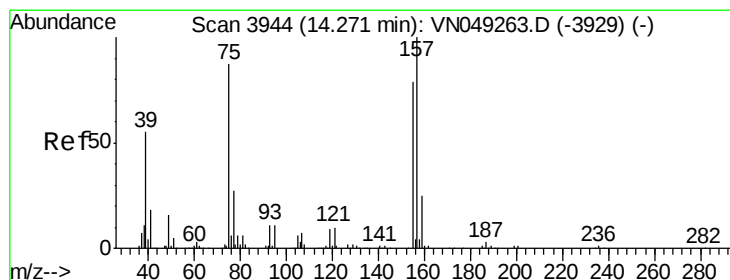
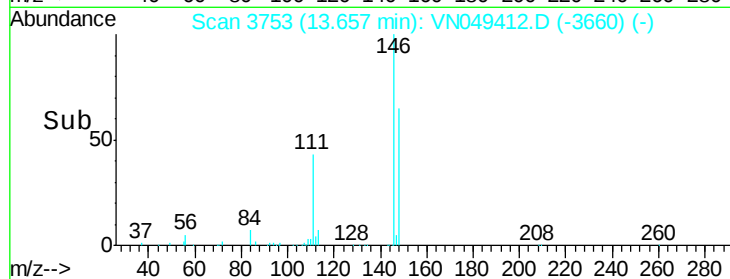
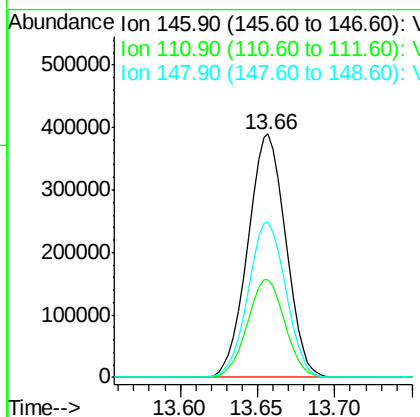
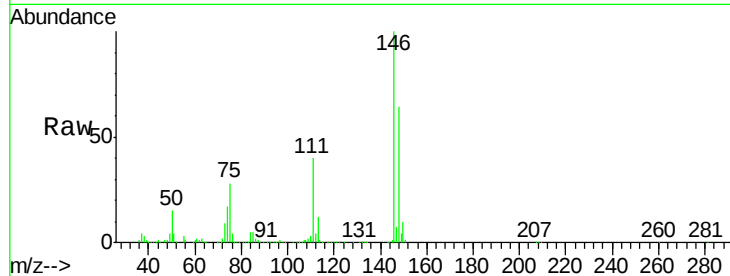
#91
 1,2-Dichlorobenzene
 Concen: 19.360 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	63.5	32.0	96.2

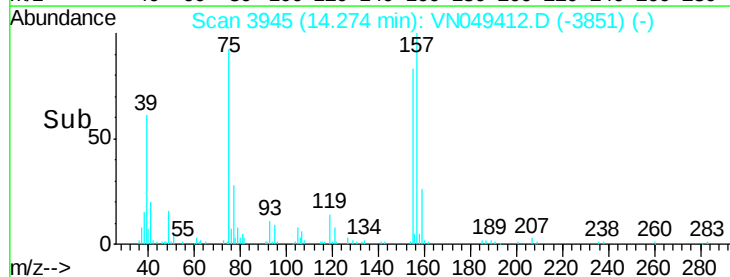
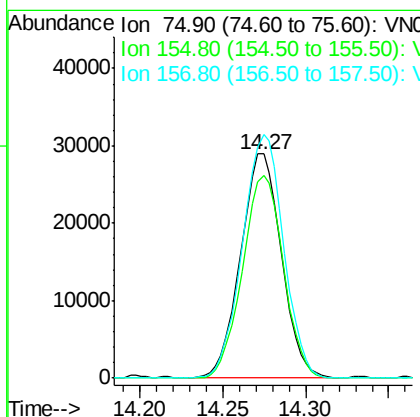
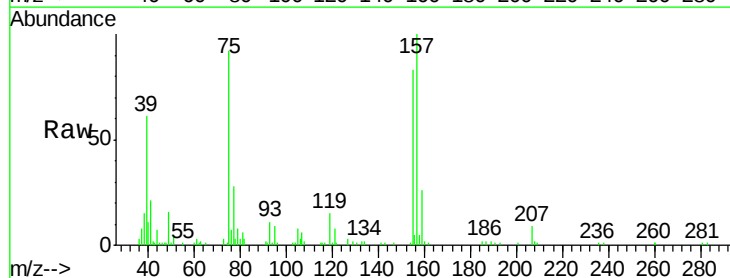
Manual Integrations
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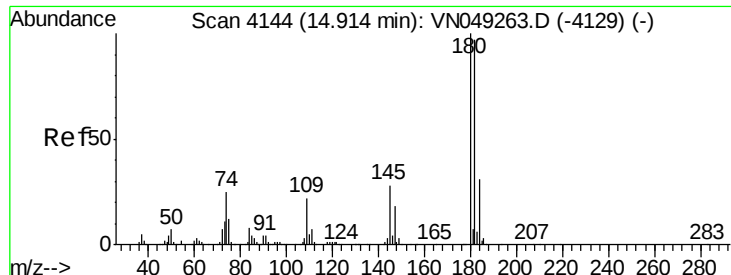
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.642 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	38.8	116.3
157	108.9	51.0	153.1





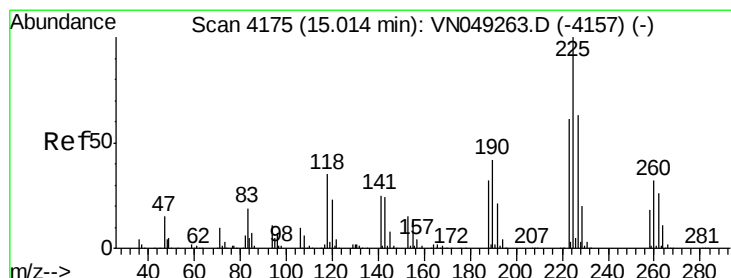
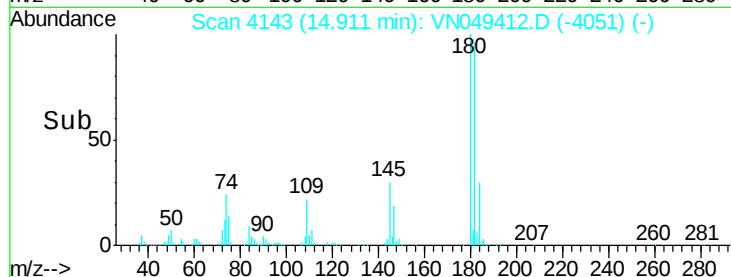
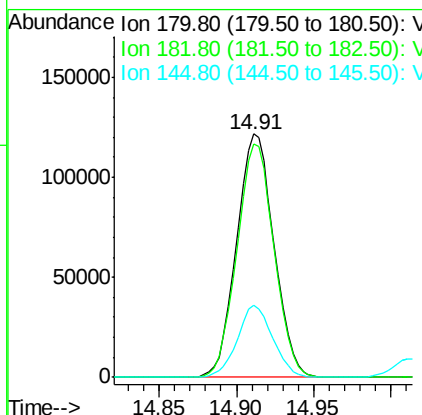
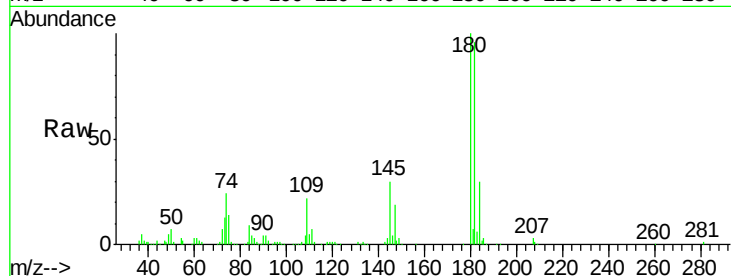
#93
 1,2,4-Trichlorobenzene
 Concen: 16.398 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	203462		
182	95.3	46.9	140.8	
145	28.3	14.7	44.1	

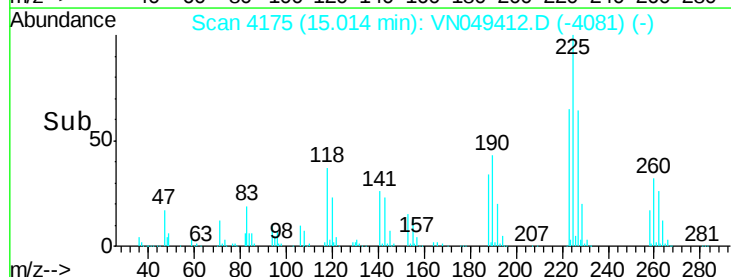
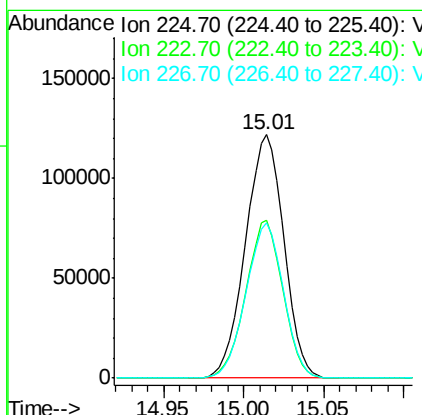
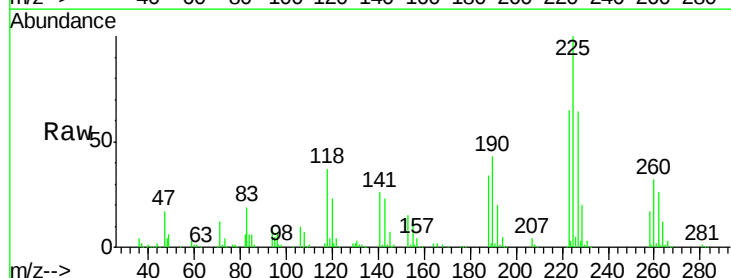
Manual Integrations
 APPROVED

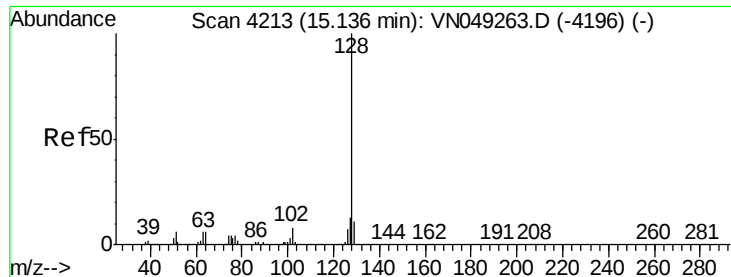
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#94
 Hexachlorobutadiene
 Concen: 18.155 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049412.D
 Acq: 20 Jun 2018 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200542		
223	62.1	32.1	96.3	
227	61.9	31.8	95.3	





#95

Naphthalene

Concen: 16.984 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Instrument :

MSVOA_N

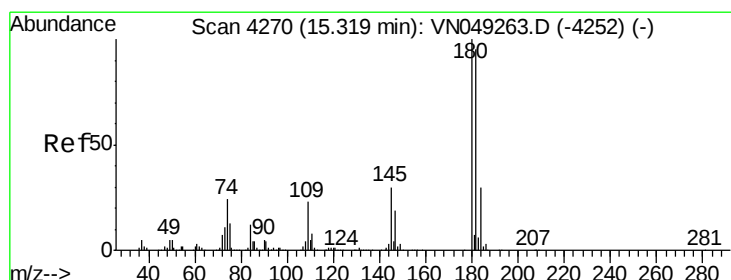
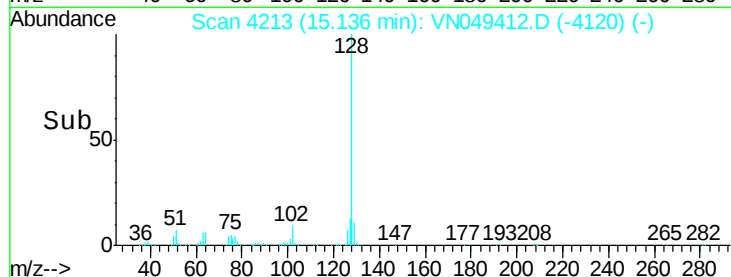
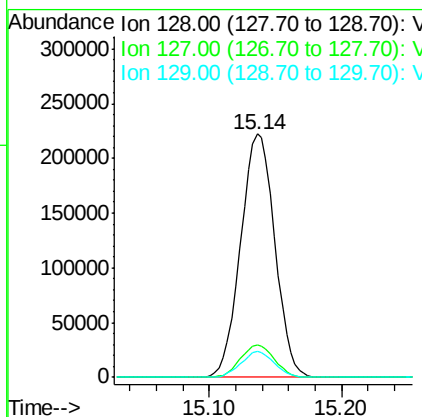
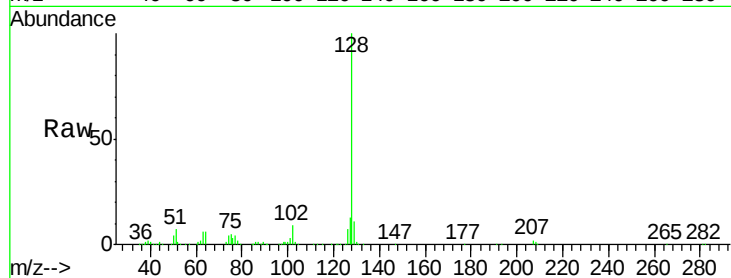
ClientSampleId :

VN0619WBSD02

Tot Ion:	128	Resp:	397409
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.4	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.323 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049412.D

Acq: 20 Jun 2018 3:38

Tgt Ion:	180	Resp:	230096
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.3	141.8
145	31.2	15.6	46.7

