

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060060.D
 Acq On : 20 Sep 2018 20:57
 Operator : VA/AP
 Sample : J5017-08MS
 Misc : 5.06/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Manual Integrations
 APPROVED

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 9/21/2018 12:57:42 PM

Quant Time: Sep 21 01:50:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1144471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1641827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1140746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	390270	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	467663	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	6.30	113	692604	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	9.44	98	1690219	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.42	95	517863	38.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	610962	50.573	ug/l	100
3) Chloromethane	1.74	50	603861	56.587	ug/l	99
4) Vinyl Chloride	1.83	62	492508	57.411	ug/l	100
5) Bromomethane	2.14	94	137591	135.501	ug/l	97
6) Chloroethane	2.24	64	185390	96.664	ug/l	93
7) Trichlorofluoromethane	2.49	101	543471	57.543	ug/l	100
8) Diethyl Ether	2.81	74	108836	54.209	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.07	101	281141	47.206	ug/l	96
10) Methyl Iodide	3.22	142	440255	69.796	ug/l	93
11) Tert butyl alcohol	3.94	59	134436	186.676	ug/l	98
12) 1,1-Dichloroethene	3.05	96	294668	62.576	ug/l	95
13) Acrolein	2.96	56	49896	111.882	ug/l	96
14) Allyl chloride	3.52	41	596031	60.017	ug/l	96
15) Acrylonitrile	4.06	53	598287	220.089	ug/l	97
16) Acetone	3.13	43	407518	236.497	ug/l	99
17) Carbon Disulfide	3.29	76	923527	56.920	ug/l	100
18) Methyl Acetate	3.54	43	259567	74.069	ug/l	95
19) Methyl tert-butyl Ether	4.10	73	1084120	49.826	ug/l	99
20) Methylene Chloride	3.69	84	753766	63.411	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	717401	58.054	ug/l	98
22) Diisopropyl ether	4.82	45	2568185	56.693	ug/l	96
23) Vinyl Acetate	4.78	43	5138286	200.218	ug/l	99
24) 1,1-Dichloroethane	4.73	63	1204841	59.268	ug/l	99
25) 2-Butanone	5.59	43	912918	196.332	ug/l	99
26) 2,2-Dichloropropane	5.56	77	836116	52.903	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	763534	59.069	ug/l	96
28) Bromochloromethane	5.91	49	536703	54.924	ug/l	98
29) Tetrahydrofuran	5.93	42	508807	204.039	ug/l	99
30) Chloroform	6.08	83	1204551	58.429	ug/l	99
31) Cyclohexane	6.35	56	629682	31.768	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	884413	51.725	ug/l	99
36) 1,1-Dichloropropene	6.50	75	770261	47.229	ug/l	99
37) Ethyl Acetate	5.67	43	413869	36.902	ug/l #	95
38) Carbon Tetrachloride	6.48	117	672553	44.176	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	390680	21.176	ug/l	98
40) Benzene	6.77	78	2258210	54.326	ug/l	100
41) Methacrylonitrile	5.90	41	236599m	40.278	ug/l	
42) 1,2-Dichloroethane	6.87	62	608266	48.735	ug/l	97
43) Isopropyl Acetate	8.33	43	541732	36.076	ug/l #	97
44) Trichloroethene	7.72	130	641776	49.971	ug/l	98
45) 1,2-Dichloropropane	8.08	63	585621	52.687	ug/l	100
46) Dibromomethane	8.20	93	346208	47.738	ug/l	92
47) Bromodichloromethane	8.48	83	788035	50.399	ug/l	99
48) Methyl methacrylate	8.23	41	374735	44.808	ug/l	96
49) 1,4-Dioxane	8.21	88	67278	809.936	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	1831780	177.078	ug/l	98
52) Toluene	9.53	92	1256359	47.153	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	670563	45.982	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	850219	48.796	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	400750	43.320	ug/l	99
56) Ethyl methacrylate	10.02	69	423746	41.297	ug/l	95
57) 1,3-Dichloropropane	10.37	76	648988	47.526	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1164582	235.036	ug/l	99
59) 2-Hexanone	10.47	43	1331699	180.255	ug/l	99
60) Dibromochloromethane	10.63	129	509866	45.282	ug/l	98
61) 1,2-Dibromoethane	10.75	107	419532	43.924	ug/l	99
64) Tetrachloroethene	10.24	164	429669	42.690	ug/l	97
65) Chlorobenzene	11.30	112	1292224	52.689	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	460544	55.675	ug/l	98
67) Ethyl Benzene	11.42	91	1931002	48.925	ug/l	98
68) m/p-Xylenes	11.56	106	1380943	94.737	ug/l	95
69) o-Xylene	11.93	106	686791	47.551	ug/l	96
70) Styrene	11.95	104	1181935	48.669	ug/l	98
71) Bromoform	12.11	173	325707	45.829	ug/l	99
73) Isopropylbenzene	12.26	105	1517488	59.287	ug/l	97
74) N-amyl acetate	12.13	43	638650	62.991	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	440198	75.811	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	406257	68.158	ug/l	98
77) Bromobenzene	12.53	156	520538	70.601	ug/l	91
78) n-propylbenzene	12.63	91	1654986	51.418	ug/l	97
79) 2-Chlorotoluene	12.70	91	1049276	57.757	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1011673	51.568	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	116678	64.848	ug/l	93
82) 4-Chlorotoluene	12.81	91	1187823	59.470	ug/l	93
83) tert-Butylbenzene	13.04	119	1088316	47.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1058428	50.557	ug/l	97
85) sec-Butylbenzene	13.22	105	1013298	37.558	ug/l	96
86) p-Isopropyltoluene	13.34	119	818963	37.532	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	681493	53.152	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	678888	52.203	ug/l	97
89) n-Butylbenzene	13.64	91	713636	32.394	ug/l	98
90) Hexachloroethane	13.85	117	176838	32.720	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	583581	57.903	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	44828	50.642	ug/l	68

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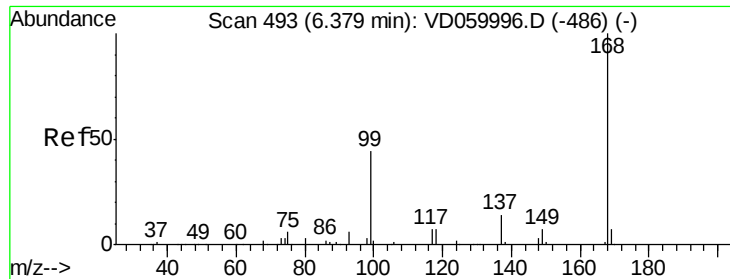
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	177412	19.417	ug/l	95
94) Hexachlorobutadiene	14.87	225	66252	10.962	ug/l	96
95) Naphthalene	14.96	128	447694	31.728	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	156076	19.384	ug/l #	78

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:168 Resp: 1144471

Ion Ratio Lower Upper

168 100

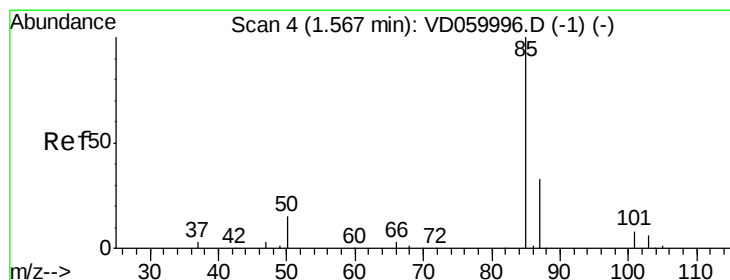
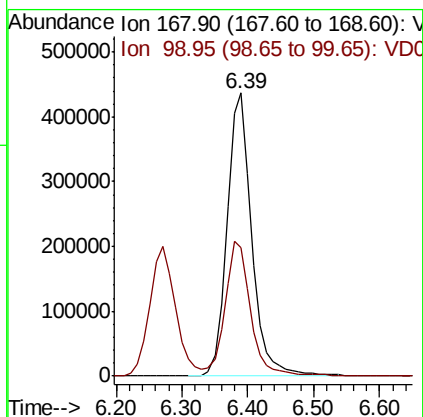
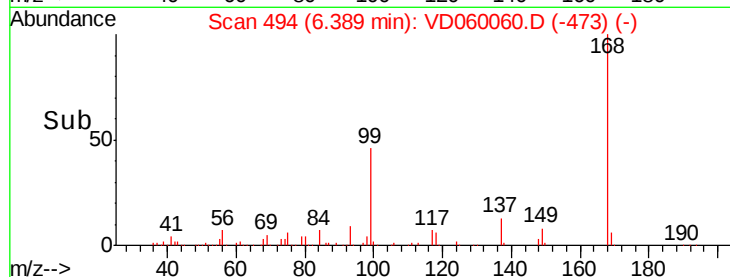
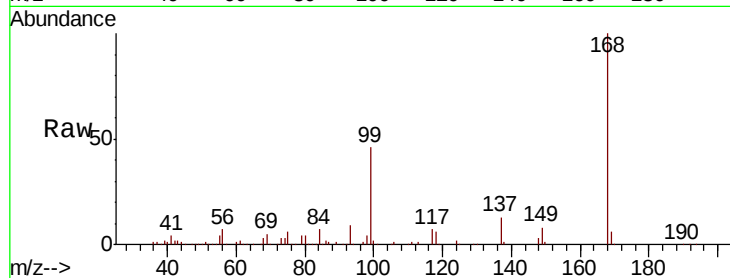
99 45.5 38.5 57.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.573 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060060.D

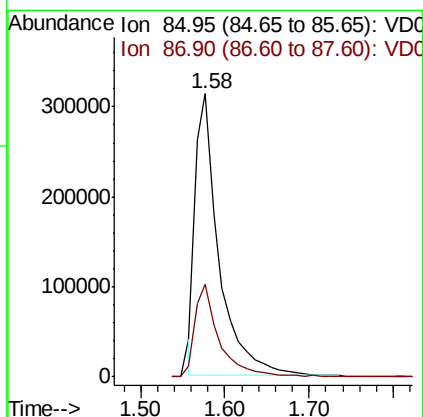
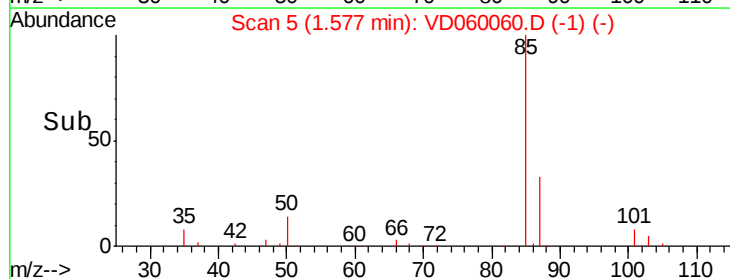
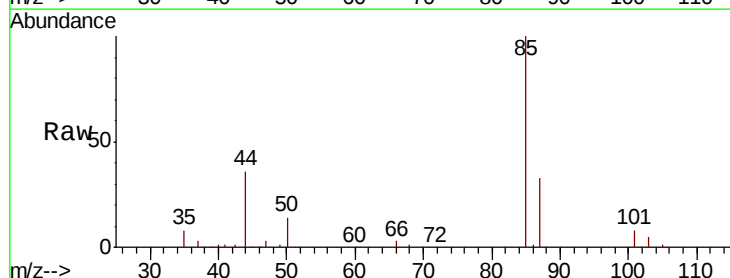
Acq: 20 Sep 2018 20:57

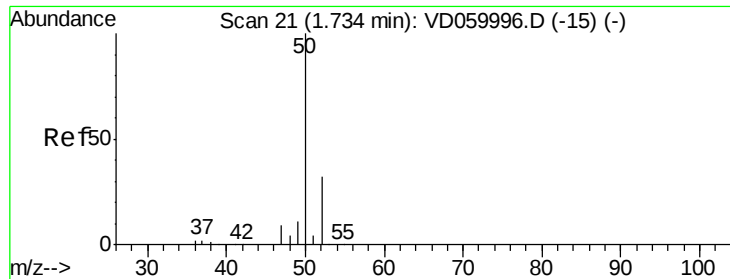
Tgt Ion: 85 Resp: 610962

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1





#3

Chloromethane

Concen: 56.587 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 50 Resp: 603861

Ion Ratio Lower Upper

50 100

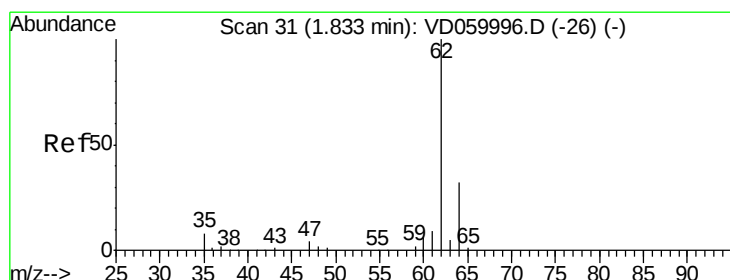
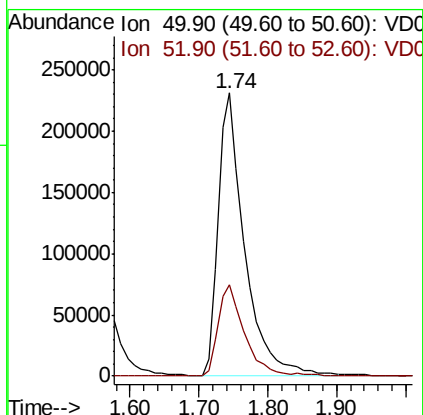
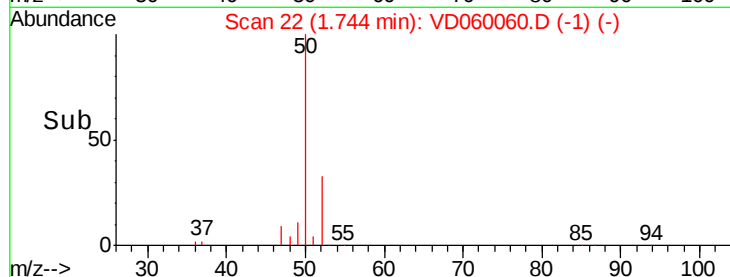
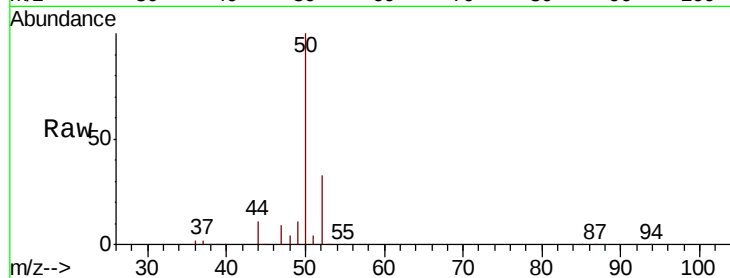
52 32.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 57.411 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060060.D

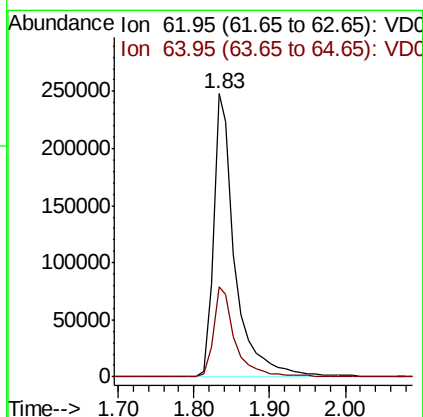
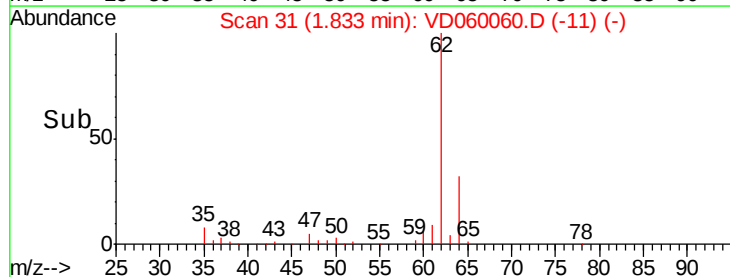
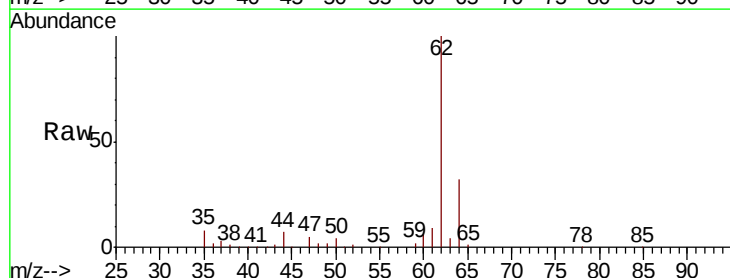
Acq: 20 Sep 2018 20:57

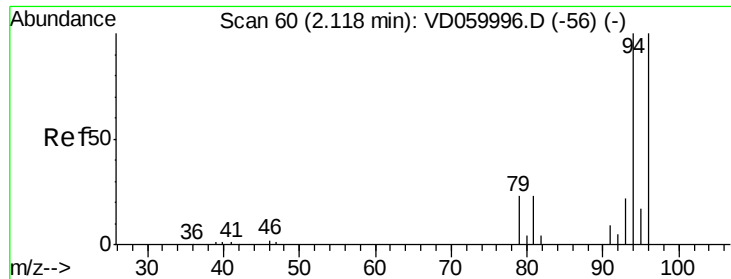
Tgt Ion: 62 Resp: 492508

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 135.501 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060060.D

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Tot Ion: 94 Resp: 137591

Ion Ratio Lower Upper

94 100

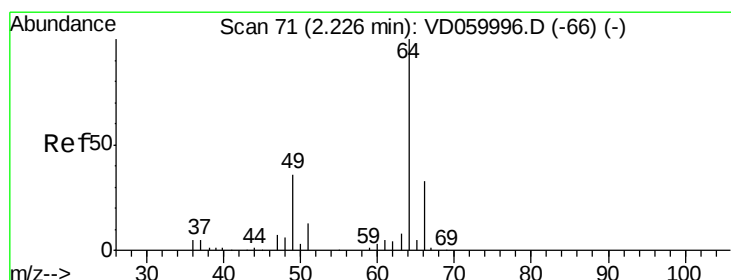
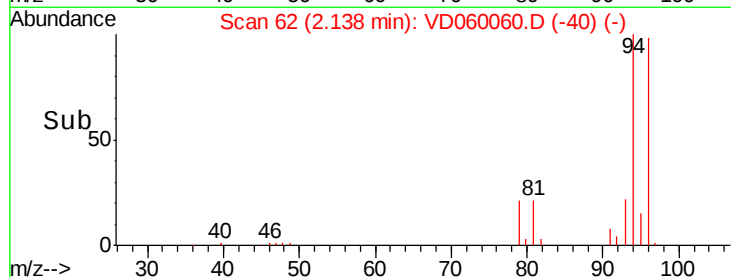
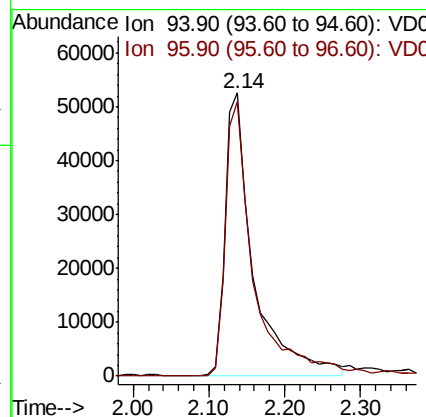
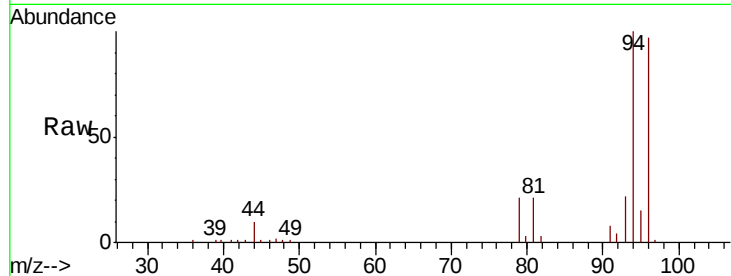
96 97.1 79.8 119.8

Manual Integrations

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#6

Chloroethane

Concen: 96.664 ug/l

RT: 2.24 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060060.D

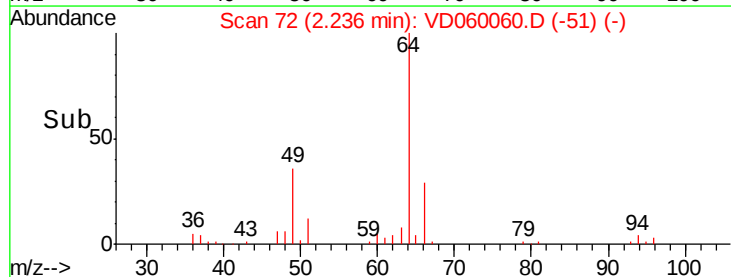
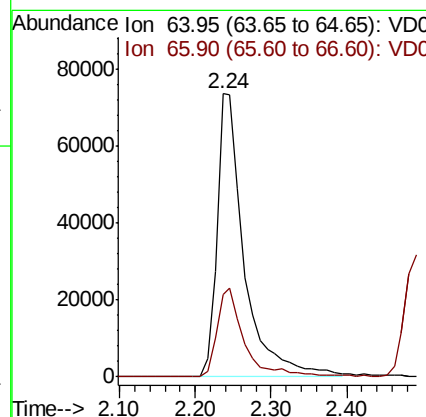
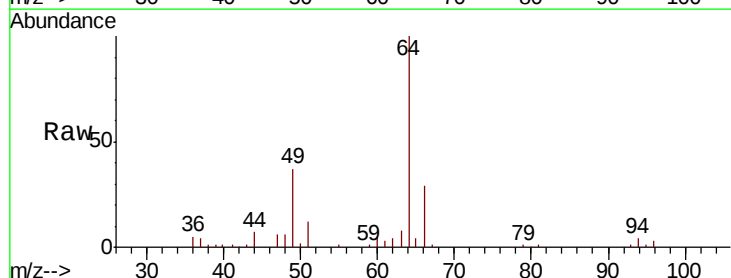
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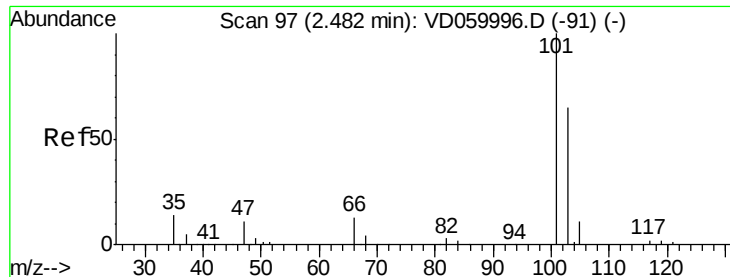
Tgt Ion: 64 Resp: 185390

Ion Ratio Lower Upper

64 100

66 29.1 26.5 39.7





#7

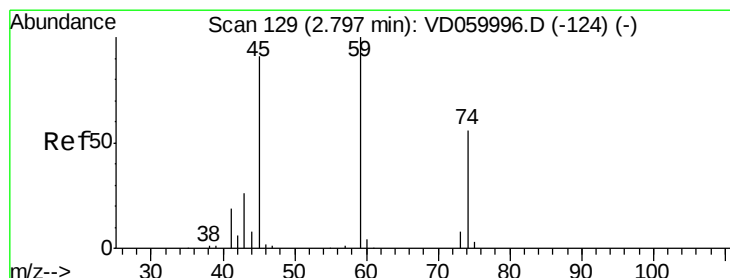
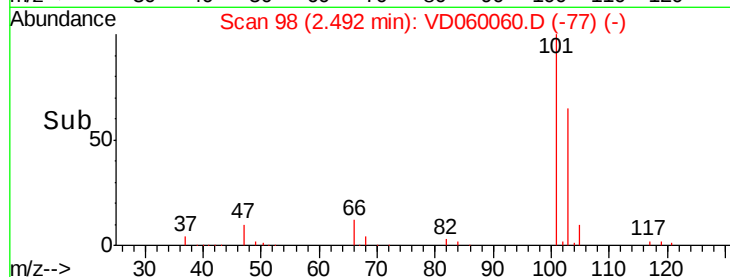
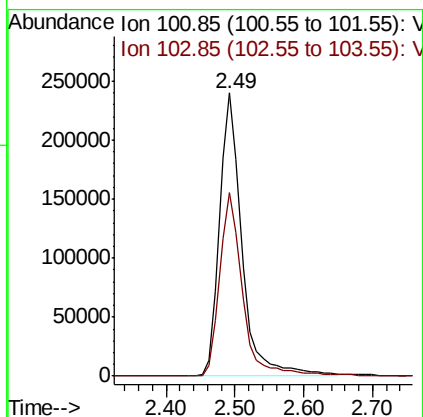
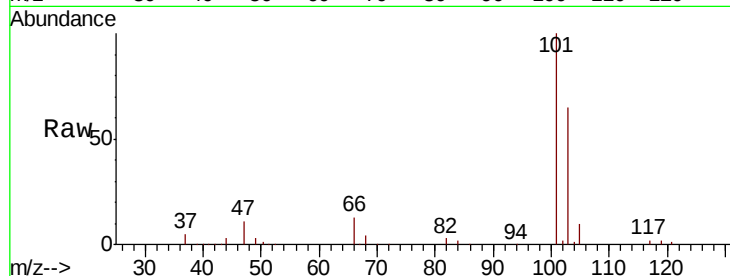
Trichlorofluoromethane
 Concen: 57.543 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060060.D
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 RA-091918-S-NW-061MS

Tot Ion:101 Resp: 543471
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

Manual Integrations
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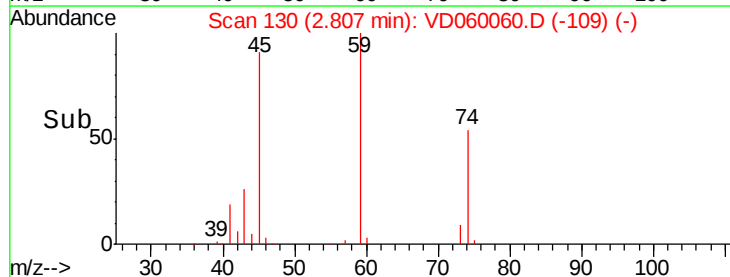
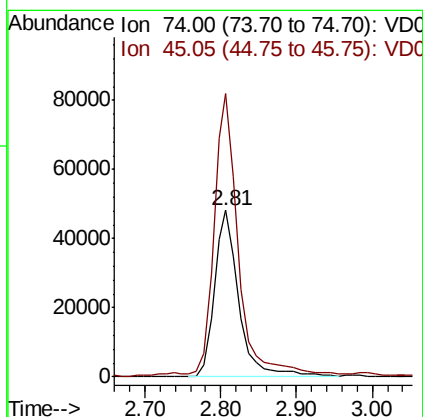
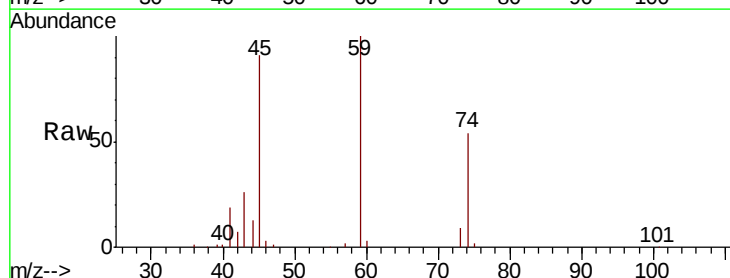
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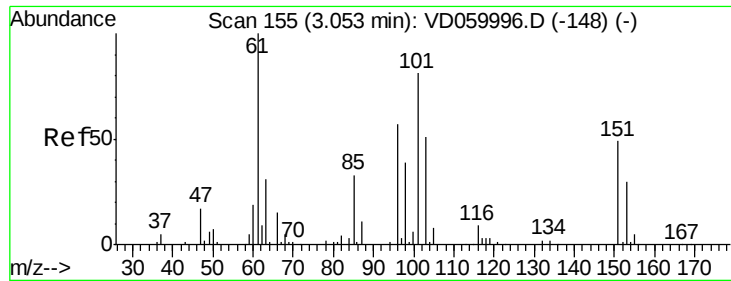


#8

Diethyl Ether
 Concen: 54.209 ug/l
 RT: 2.81 min Scan# 130
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion: 74 Resp: 108836
 Ion Ratio Lower Upper
 74 100
 45 170.1 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.206 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

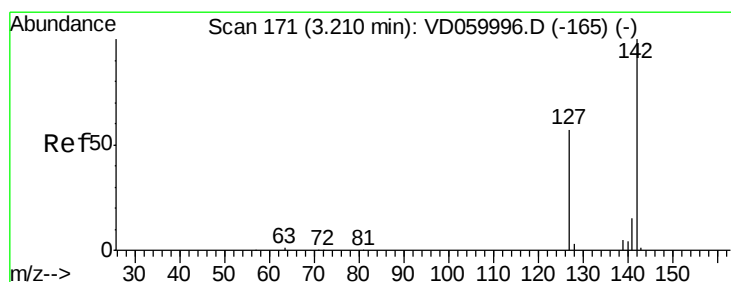
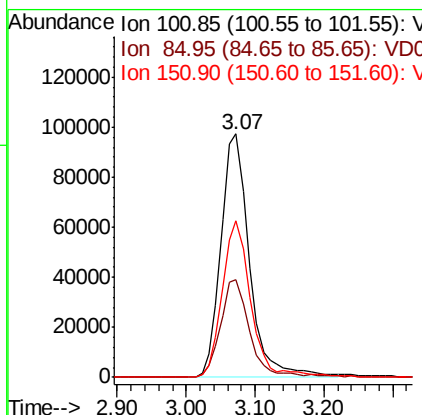
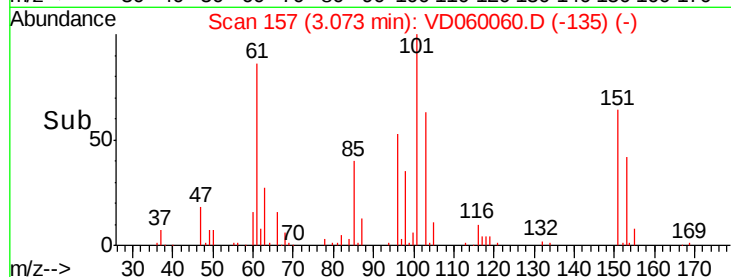
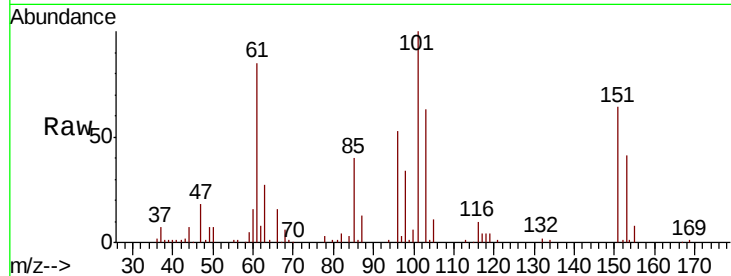
ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:	101	Resp:	281141
Ion Ratio	Lower	Upper	
101	100		
85	40.2	33.1	49.7
151	64.2	48.2	72.4

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#10

Methyl Iodide

Concen: 69.796 ug/l

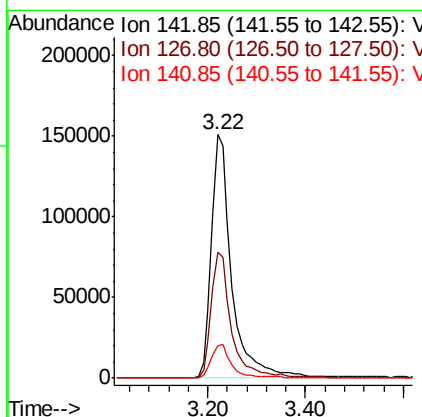
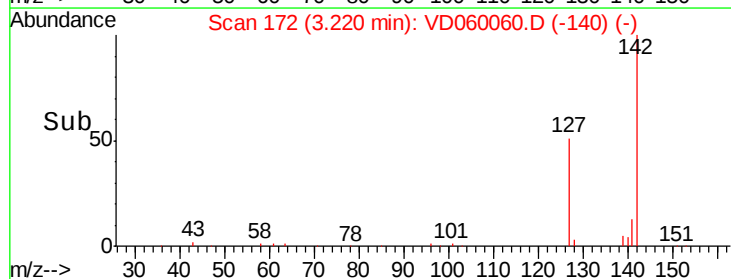
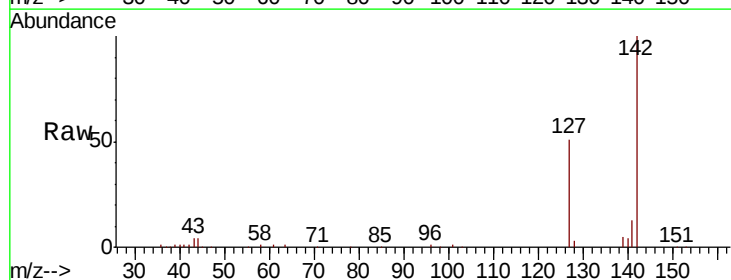
RT: 3.22 min Scan# 172

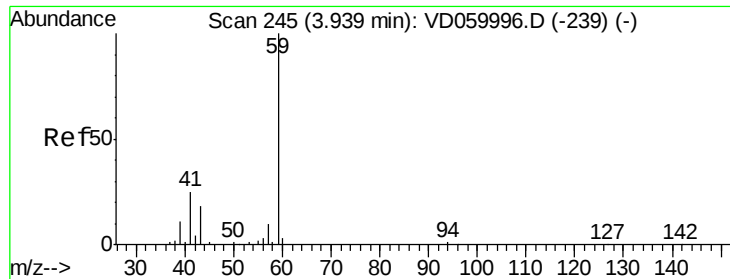
Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion:	142	Resp:	440255
Ion Ratio	Lower	Upper	
142	100		
127	51.5	45.8	68.8
141	13.5	12.2	18.4





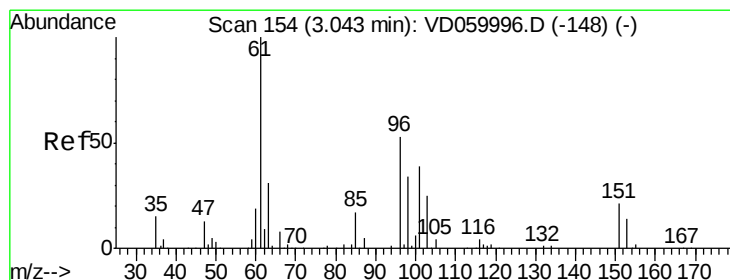
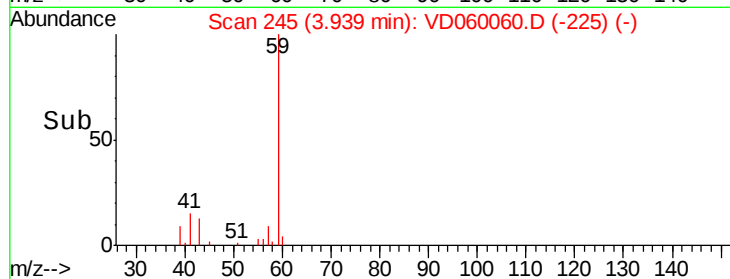
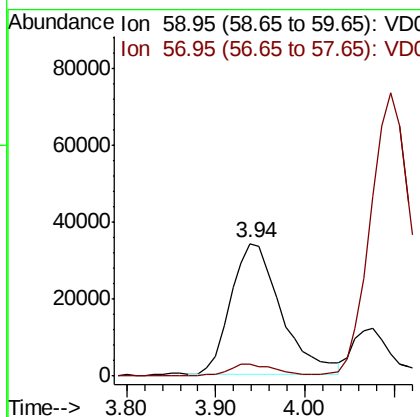
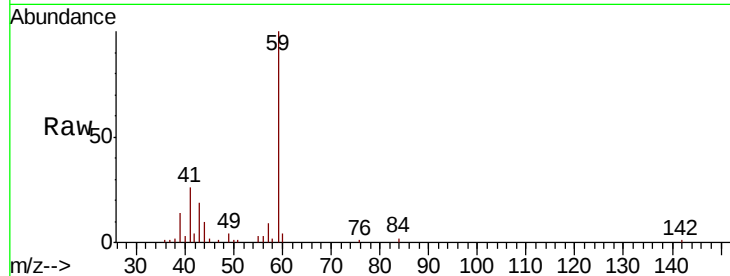
#11
Tert butyl alcohol
Concen: 186.676 ug/l
RT: 3.94 min Scan# 245
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.4	11.2

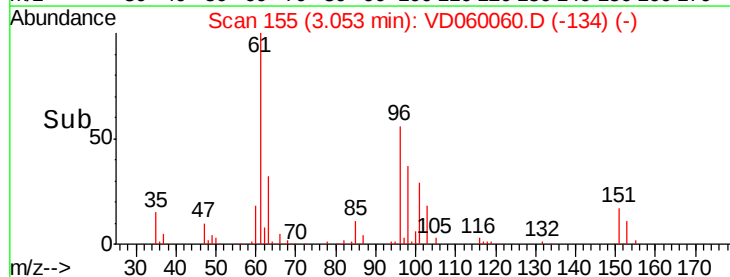
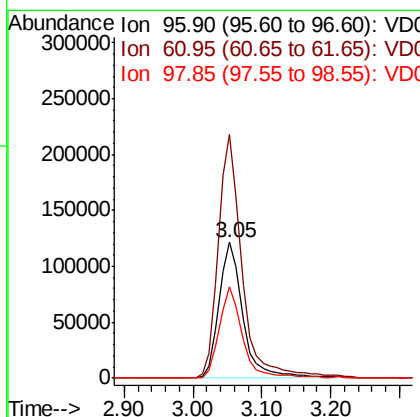
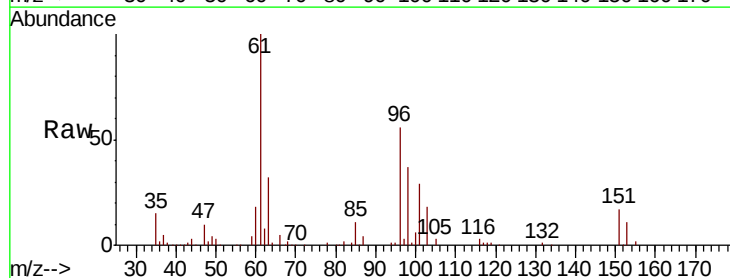
Manual Integrations
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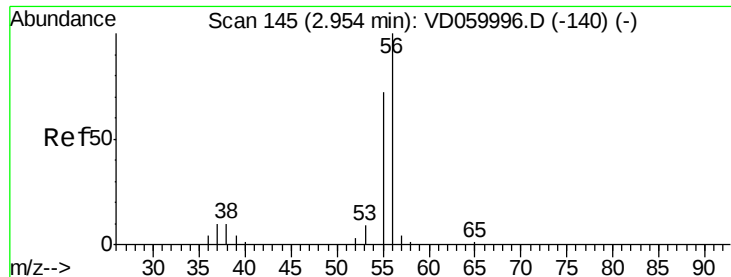
apatel
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#12
1,1-Dichloroethene
Concen: 62.576 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.7	149.8	224.6
98	67.1	50.2	75.4





#13

Acrolein

Concen: 111.882 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 56 Resp: 49896

Ion Ratio Lower Upper

56 100

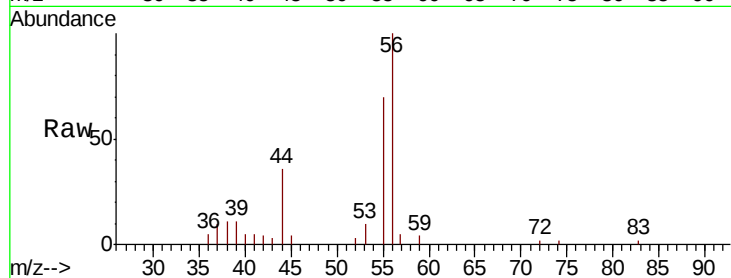
55 69.7 58.3 87.5

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

20000

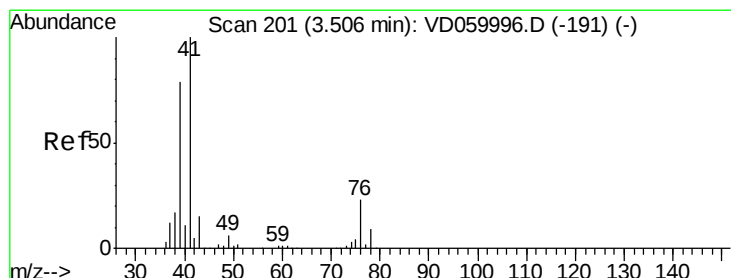
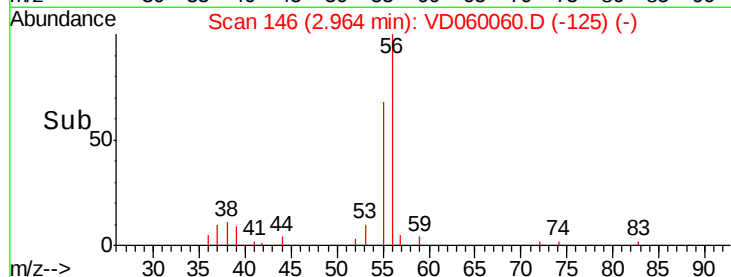
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 60.017 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

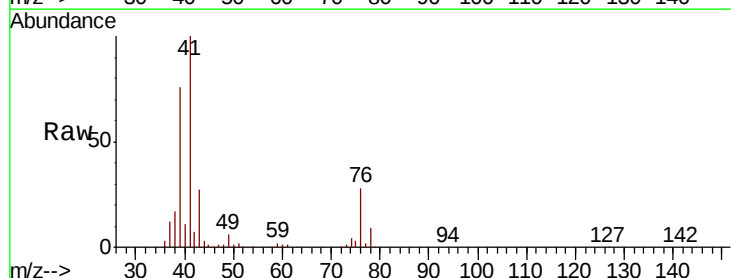
Tgt Ion: 41 Resp: 596031

Ion Ratio Lower Upper

41 100

39 75.7 63.6 95.4

76 27.5 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

500000

400000

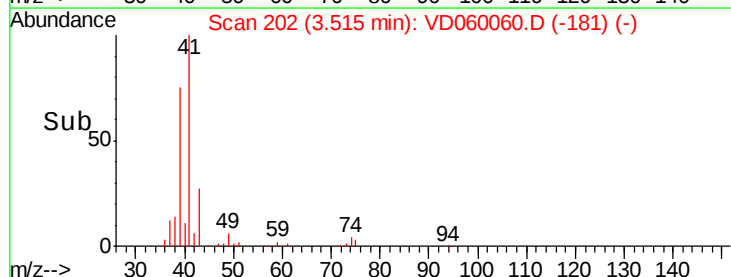
300000

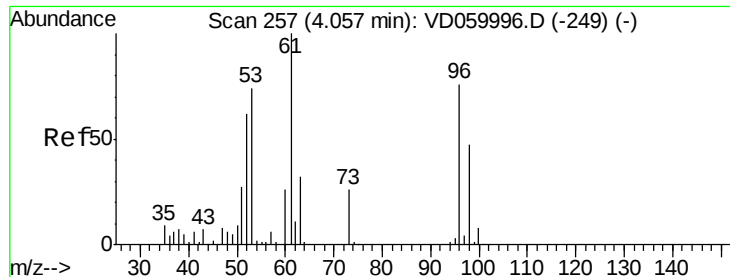
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 220.089 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

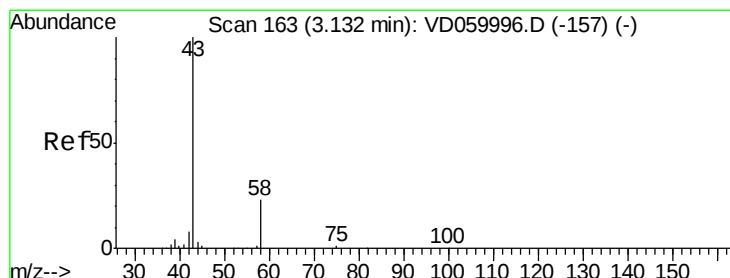
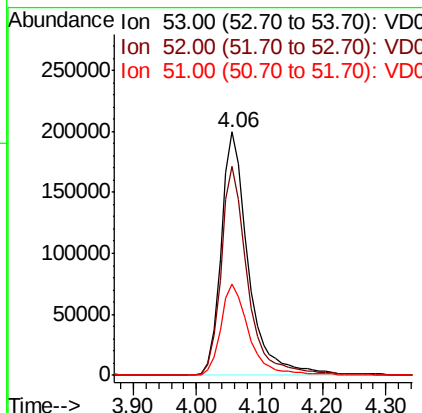
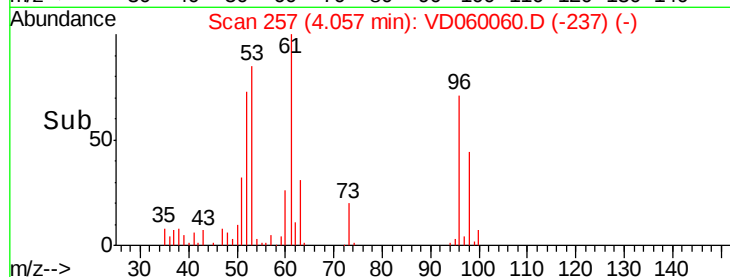
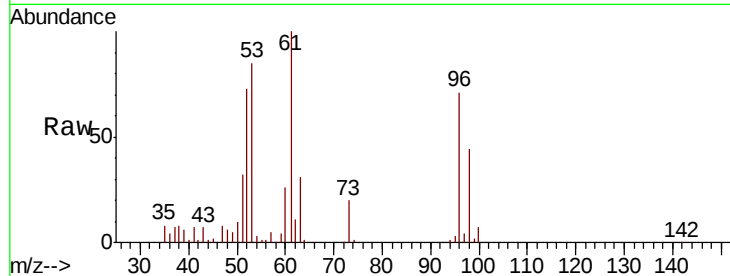
ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:	53	Resp:	598287
Ion Ratio	Lower	Upper	
53	100		
52	86.0	66.7	100.1
51	37.6	29.0	43.6

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#16

Acetone

Concen: 236.497 ug/l

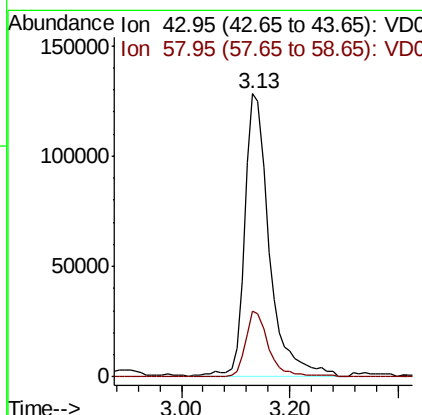
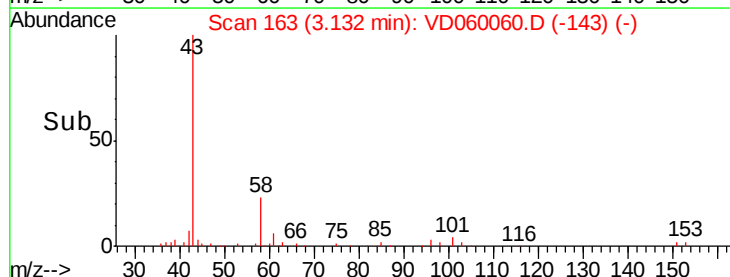
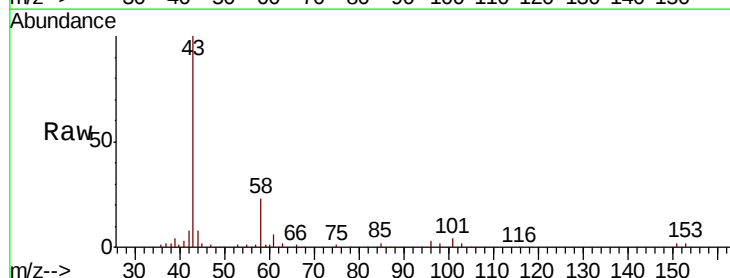
RT: 3.13 min Scan# 163

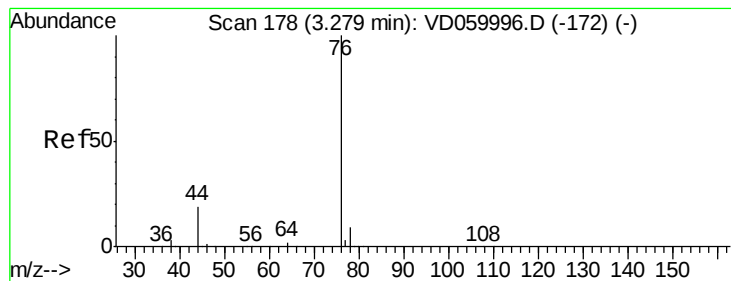
Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion:	43	Resp:	407518
Ion Ratio	Lower	Upper	
43	100		
58	23.2	18.1	27.1





#17

Carbon Disulfide

Concen: 56.920 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 76 Resp: 923527

Ion Ratio Lower Upper

76 100

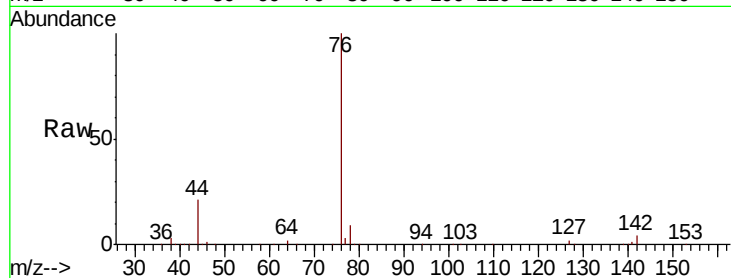
78 8.8 7.0 10.4

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

400000

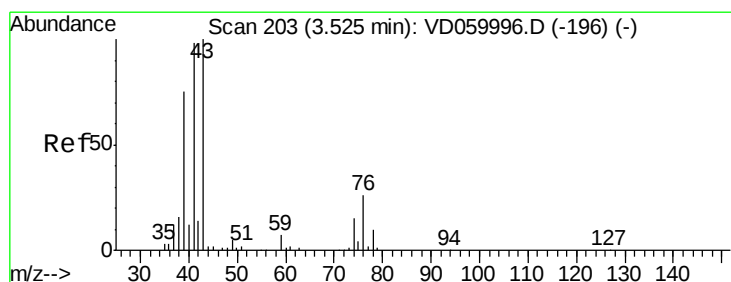
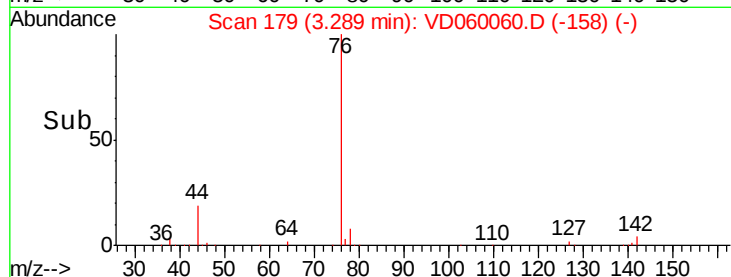
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 74.069 ug/l

RT: 3.54 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060060.D

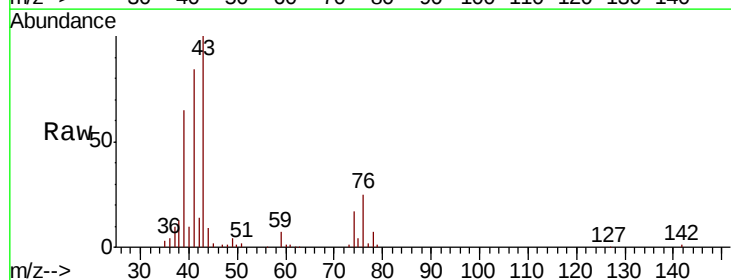
Acq: 20 Sep 2018 20:57

Tgt Ion: 43 Resp: 259567

Ion Ratio Lower Upper

43 100

74 16.7 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.54

100000

80000

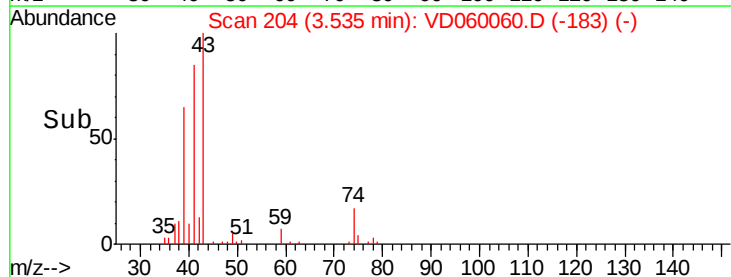
60000

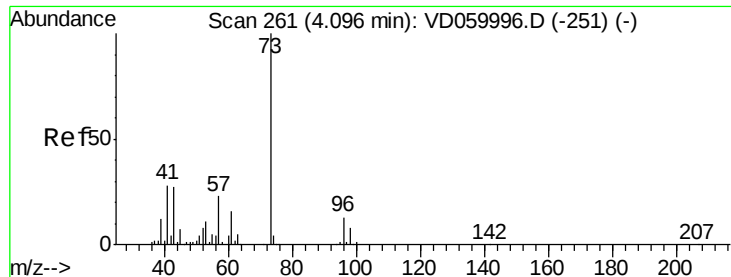
40000

20000

0

Time-->





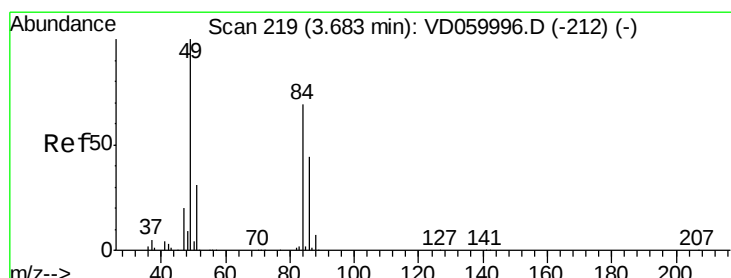
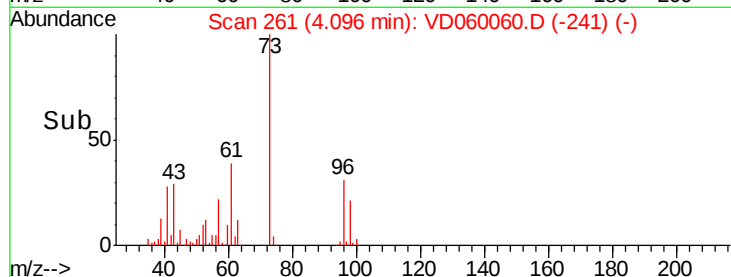
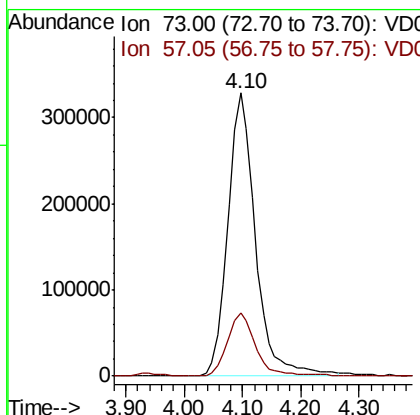
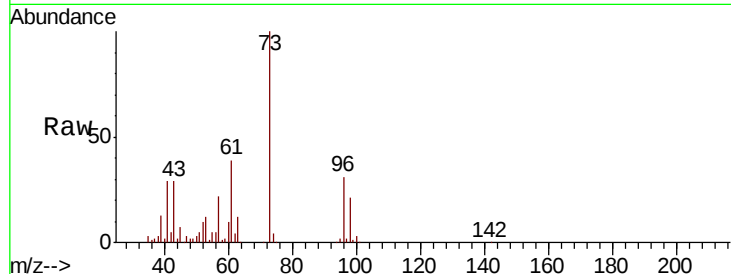
#19
Methvl tert-butvl Ether
Concen: 49.826 ug/l
RT: 4.10 min Scan# 261
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 73 Resp: 1084120
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

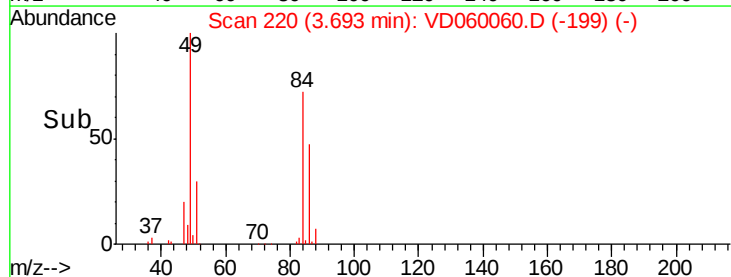
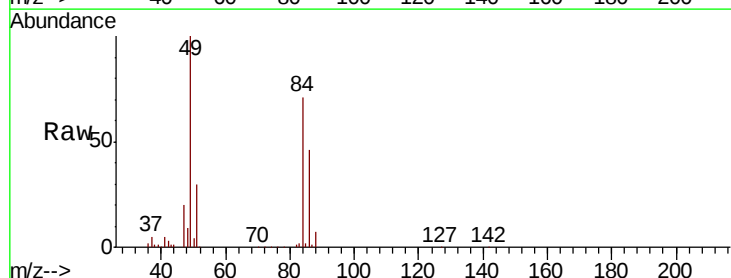
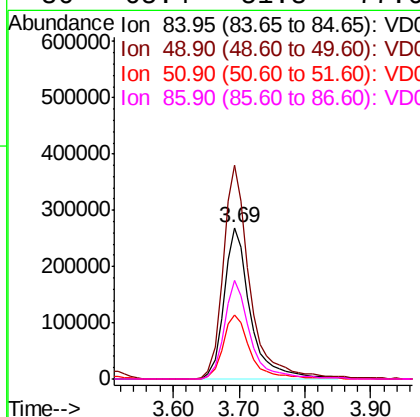
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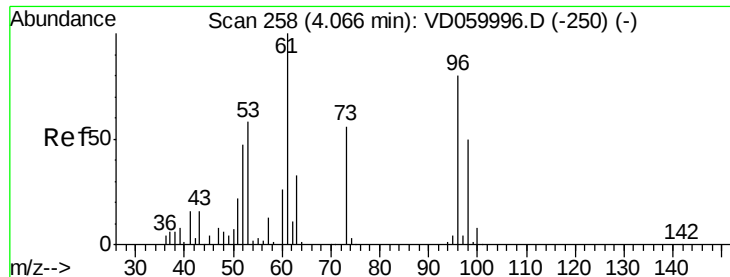
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#20
Methylene Chloride
Concen: 63.411 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 84 Resp: 753766
Ion Ratio Lower Upper
84 100
49 140.9 116.6 175.0
51 42.0 35.9 53.9
86 65.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 58.054 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 96 Resp: 717401

Ion Ratio Lower Upper

96 100

61 126.6 100.1 150.1

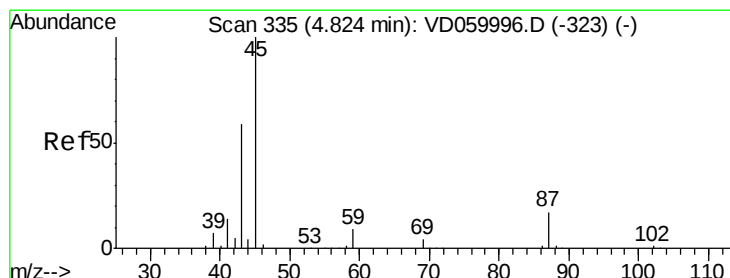
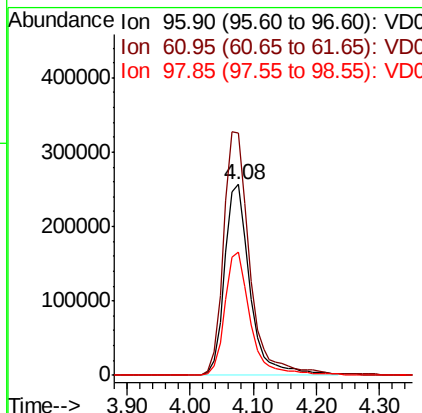
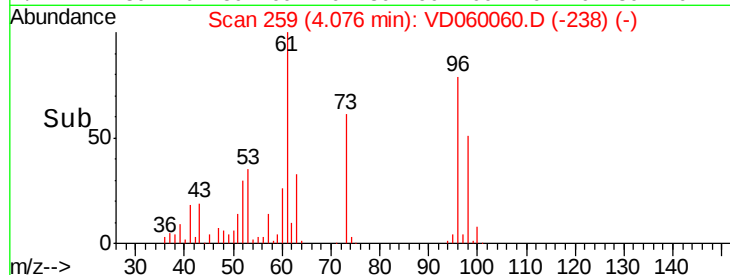
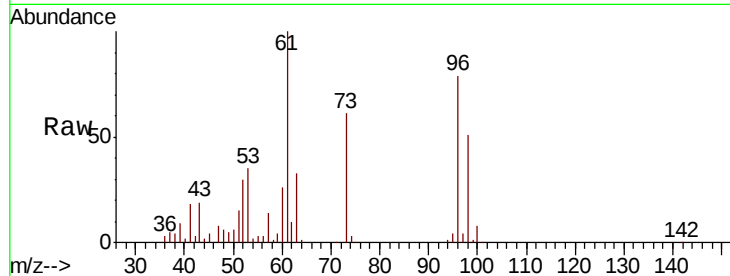
98 64.7 49.5 74.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.693 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion: 45 Resp: 2568185

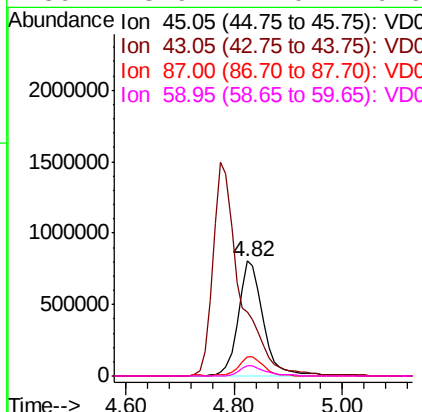
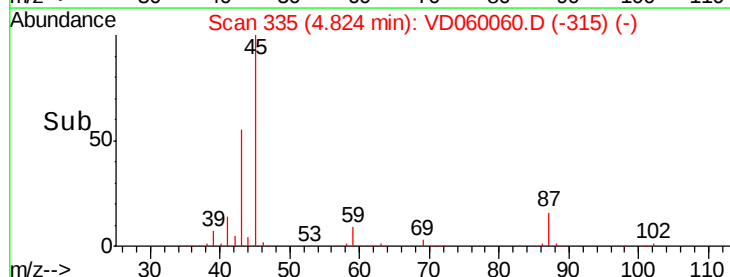
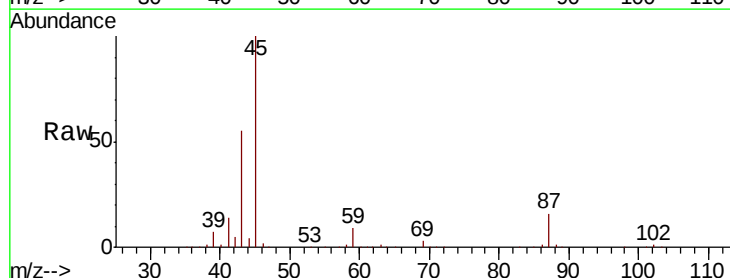
Ion Ratio Lower Upper

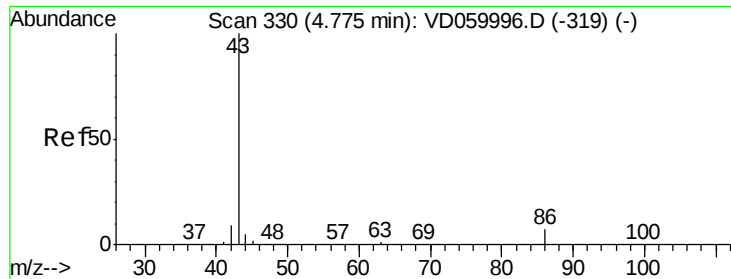
45 100

43 55.5 47.1 70.7

87 16.5 14.2 21.2

59 8.9 7.0 10.6





#23

Vinyl Acetate

Concen: 200.218 ug/l

RT: 4.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 43 Resp: 5138286

Ion Ratio Lower Upper

43 100

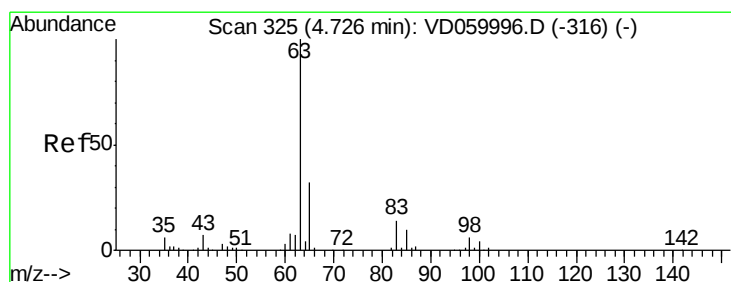
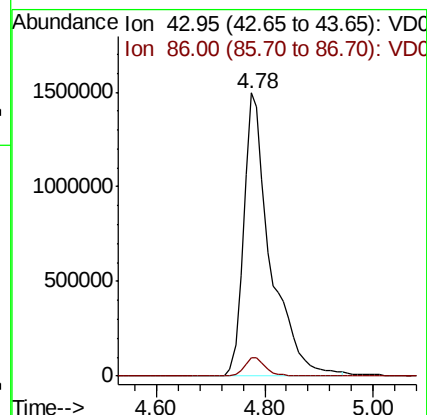
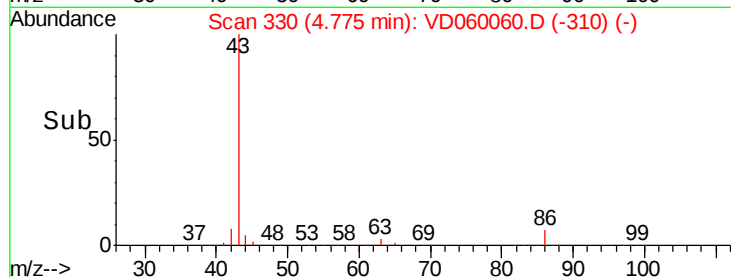
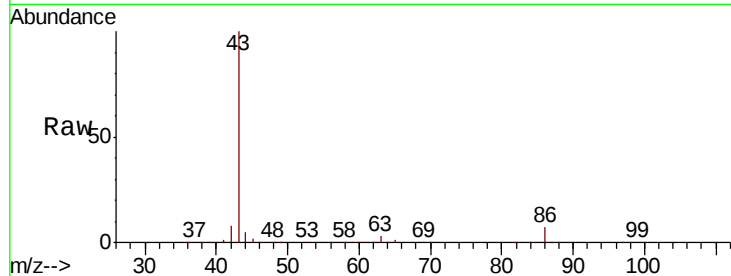
86 6.6 5.5 8.3

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#24

1,1-Dichloroethane

Concen: 59.268 ug/l

RT: 4.73 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

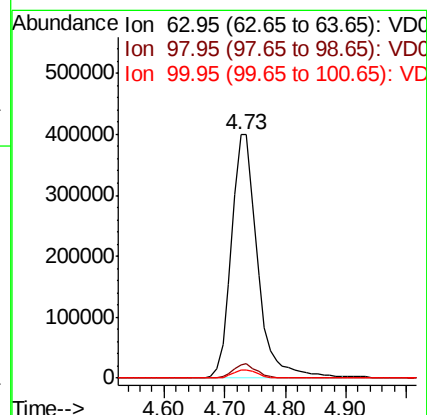
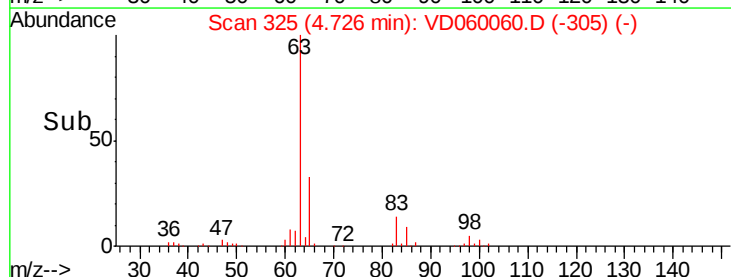
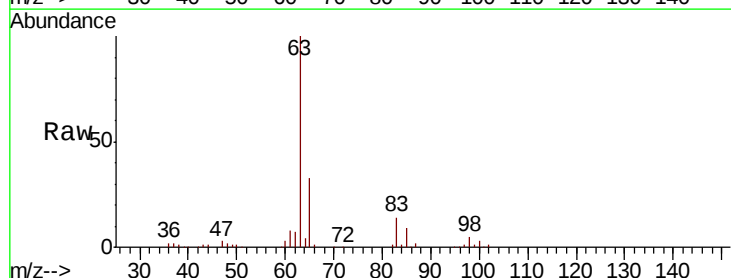
Tgt Ion: 63 Resp: 1204841

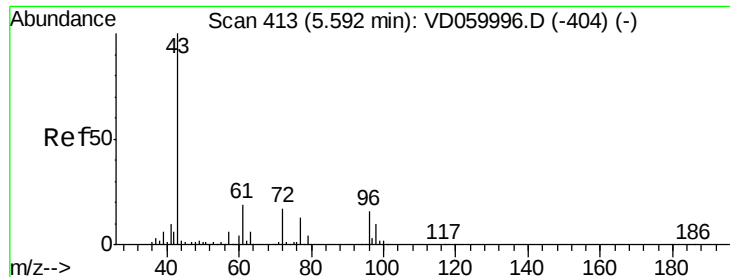
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 196.332 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 43 Resp: 912918

Ion Ratio Lower Upper

43 100

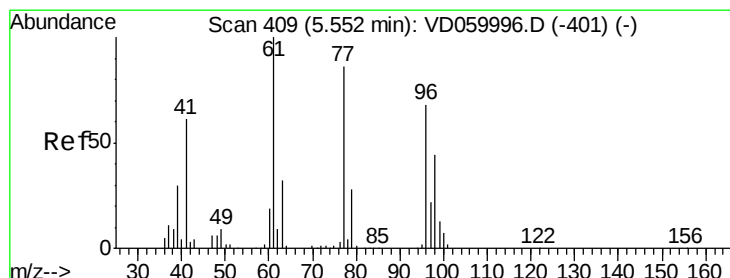
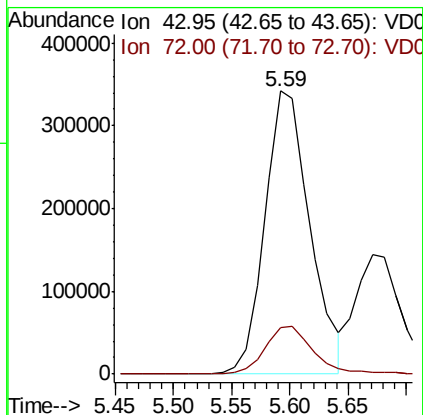
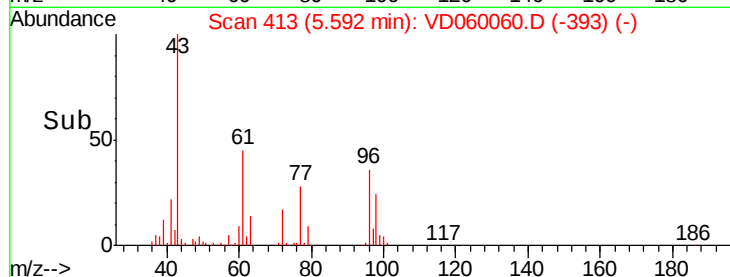
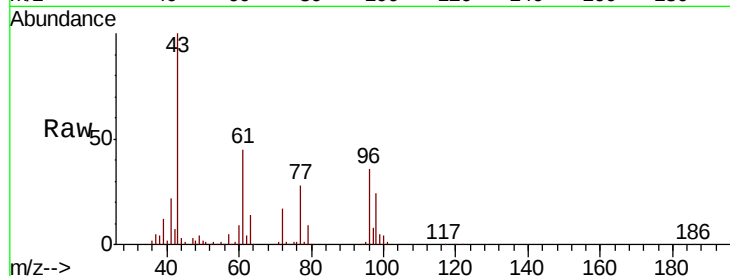
72 16.7 13.6 20.4

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#26

2,2-Dichloropropane

Concen: 52.903 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD060060.D

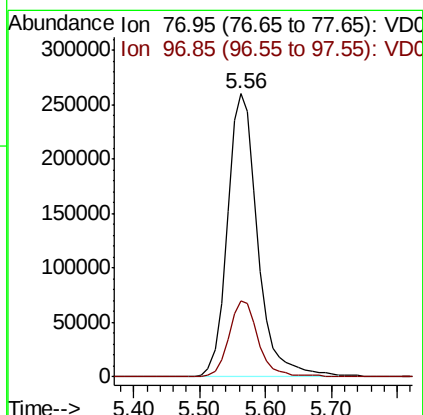
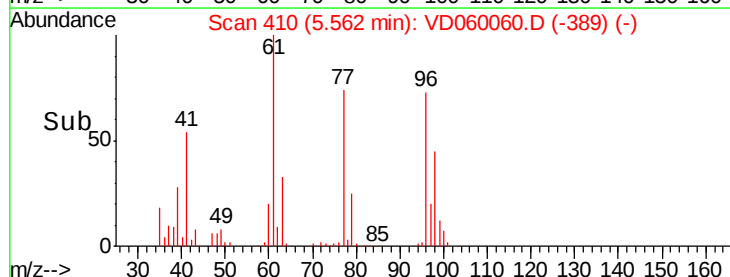
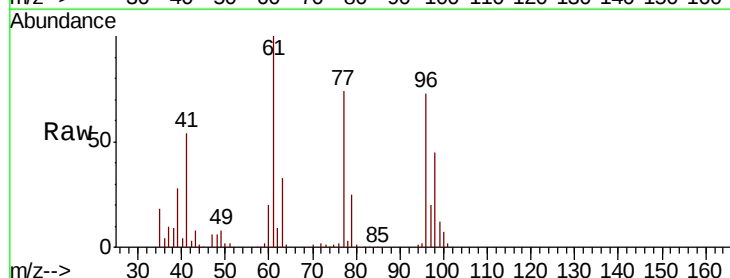
Acq: 20 Sep 2018 20:57

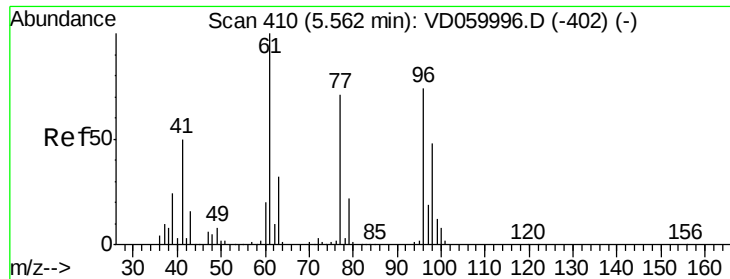
Tgt Ion: 77 Resp: 836116

Ion Ratio Lower Upper

77 100

97 26.7 12.7 38.1





#27

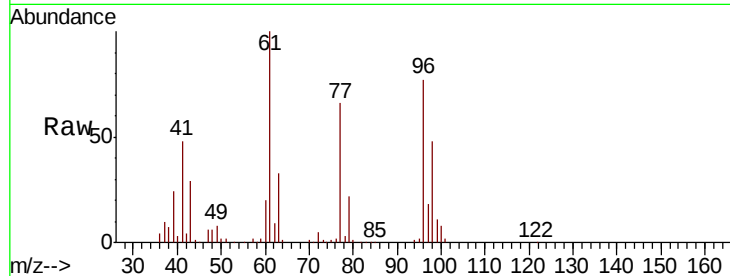
cis-1,2-Dichloroethene
Concen: 59.069 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

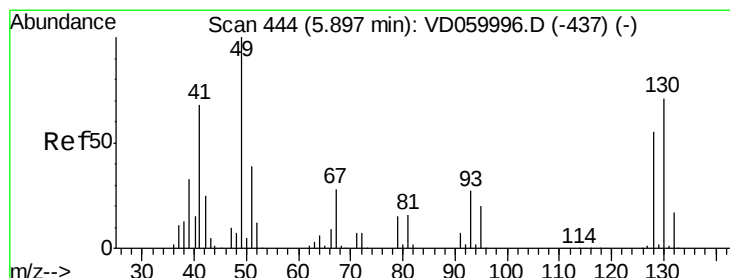
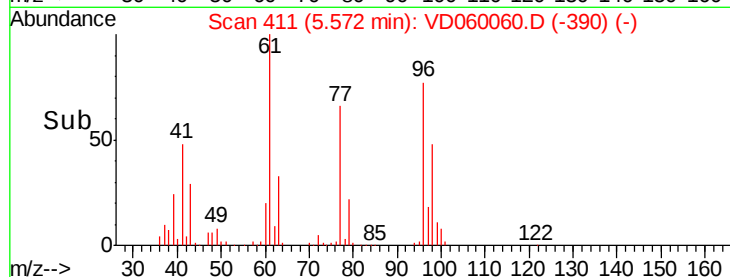
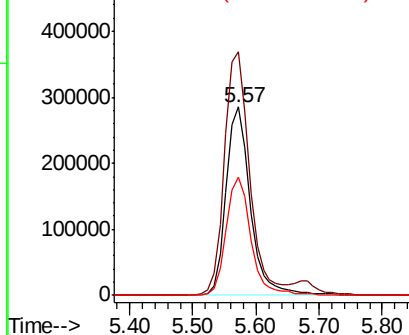
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.5	0.0	269.6	
98	62.7	0.0	128.4	

Manual Integrations
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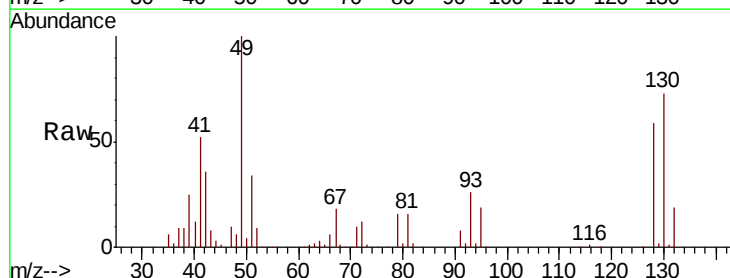
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



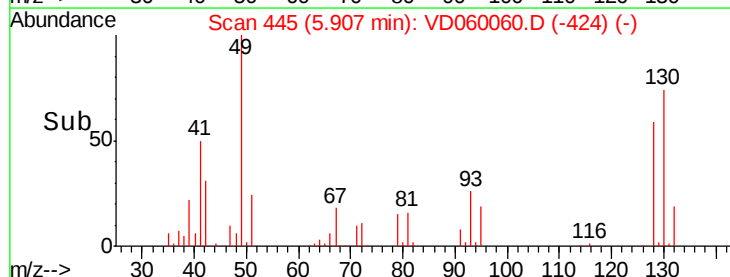
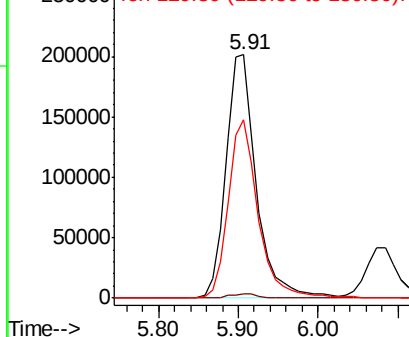
#28

Bromochloromethane
Concen: 54.924 ug/l
RT: 5.91 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	73.4	57.1	85.7	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





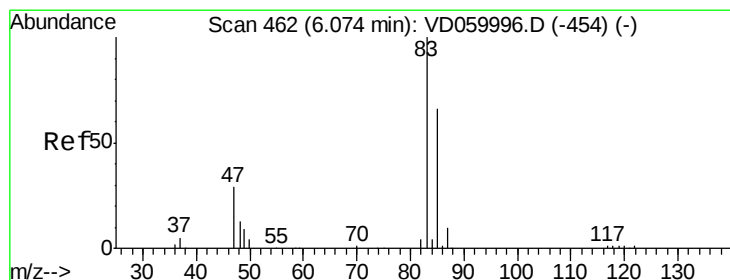
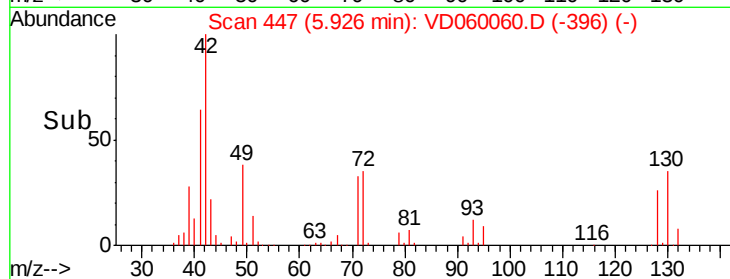
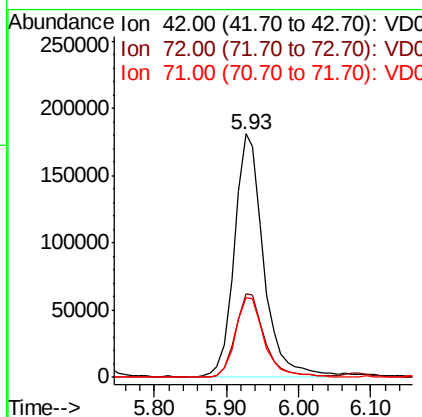
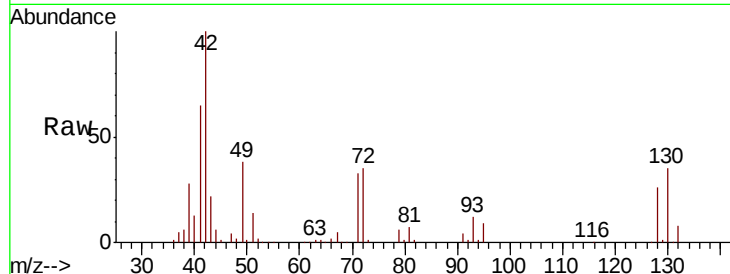
#29
Tetrahydrofuran
Concen: 204.039 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	26.9	40.3
71	32.6	26.2	39.4

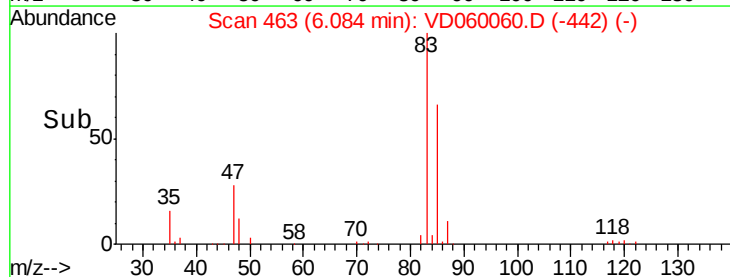
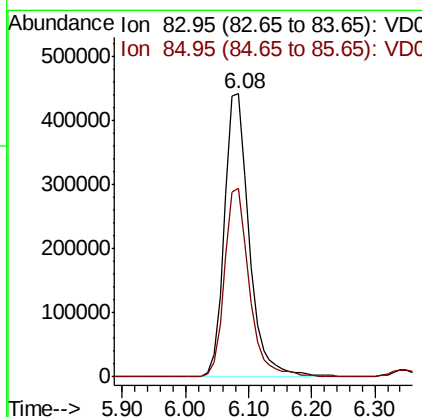
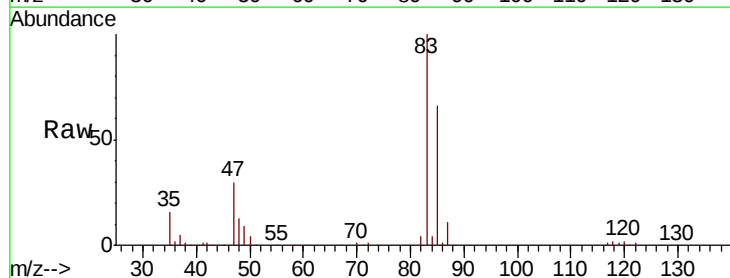
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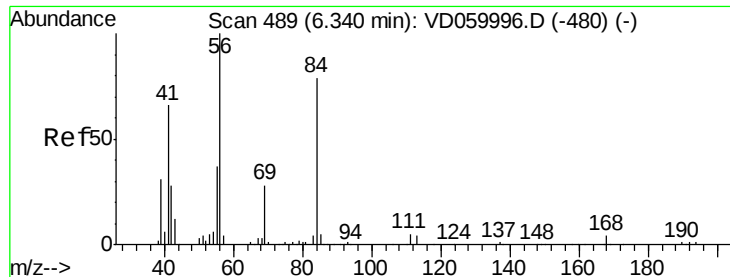
apatel
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#30
Chloroform
Concen: 58.429 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	78.8





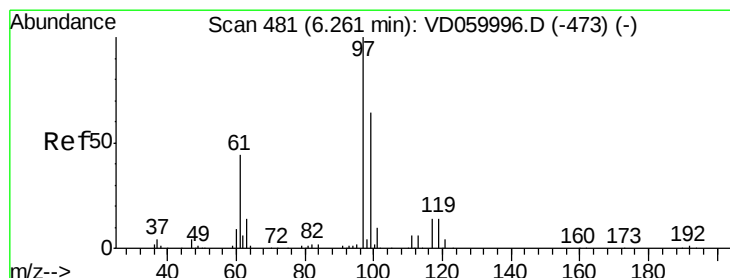
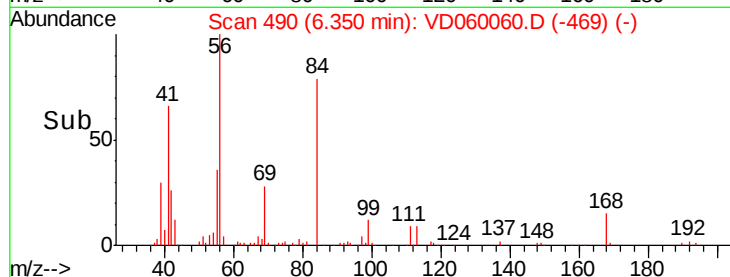
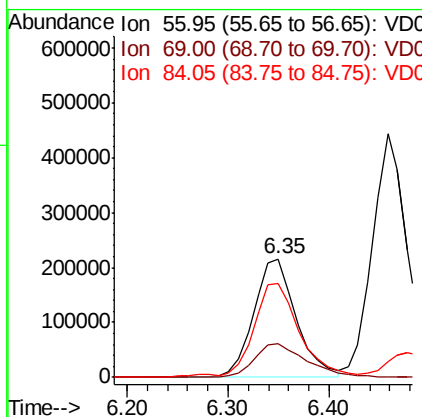
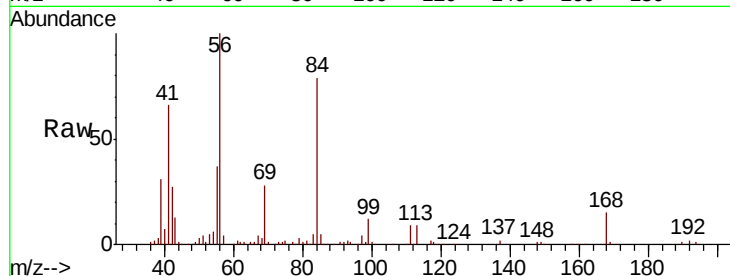
#31
Cvclohexane
Concen: 31.768 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	22.7	34.1
84	79.3	64.0	96.0

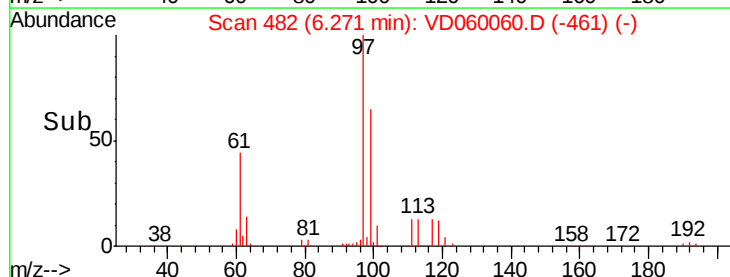
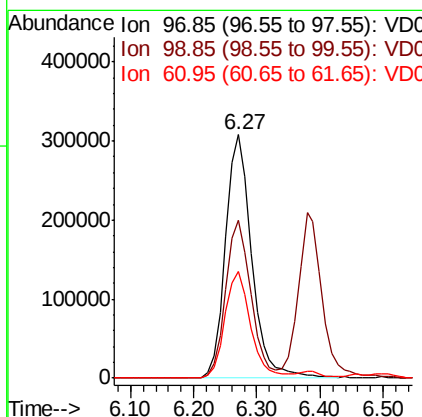
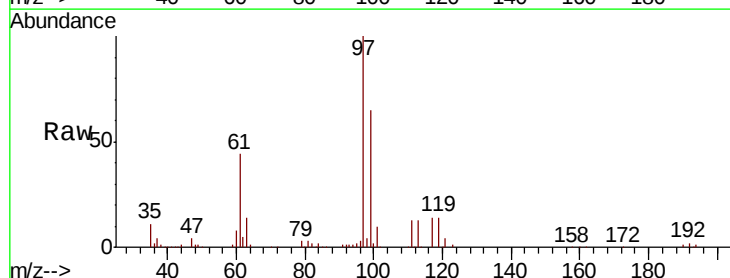
Manual Integrations
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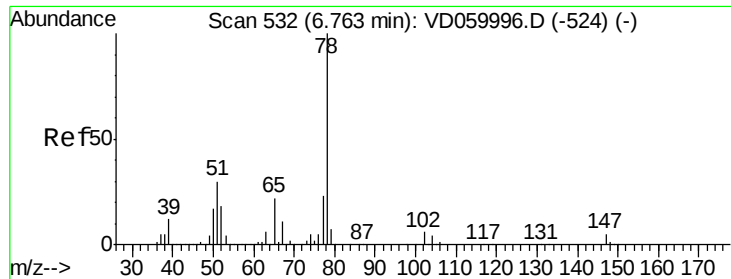
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.725 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	43.8	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 51.725 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tot Ion: 65 Resp: 467663

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8

Instrument :

MSVOA_D

ClientSampleId :

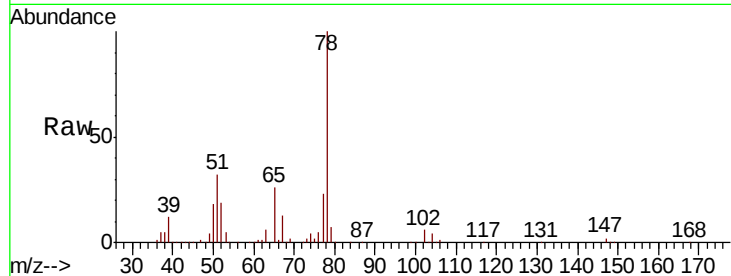
RA-091918-S-NW-061MS

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

200000

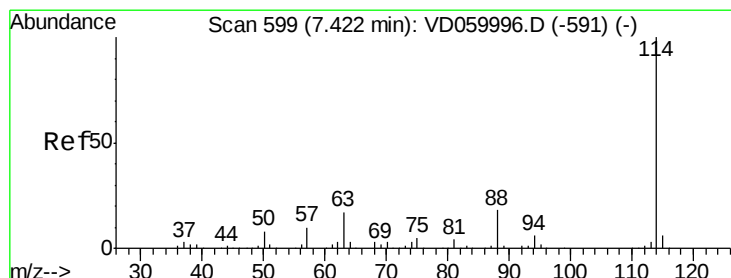
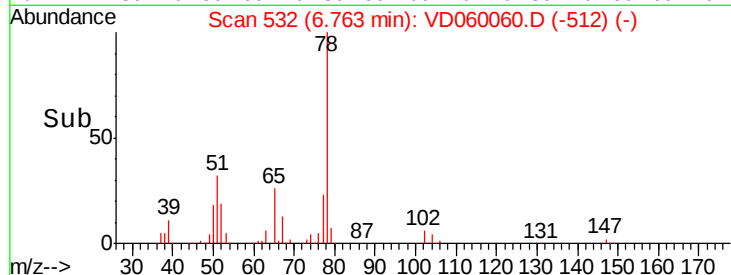
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

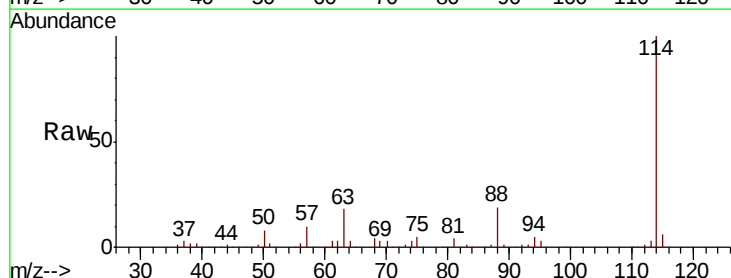
Tgt Ion:114 Resp: 1641827

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 18.6 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.42

800000

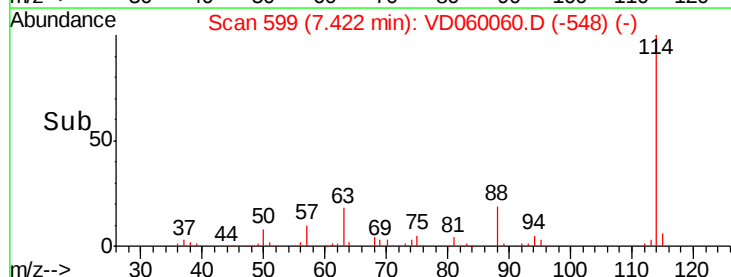
600000

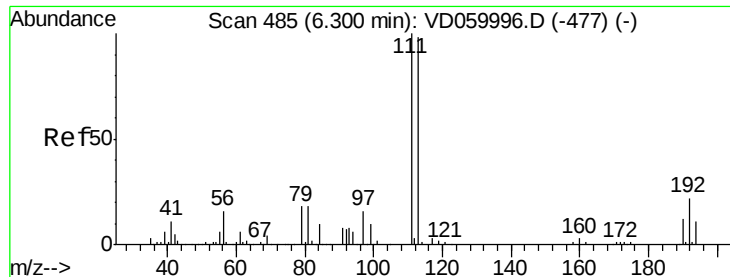
400000

200000

0

Time-->





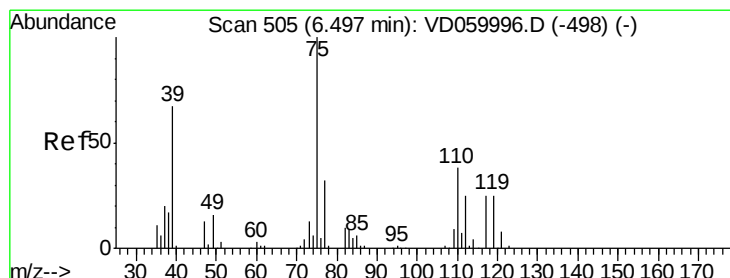
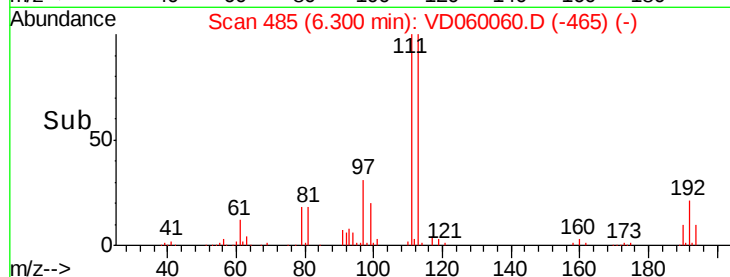
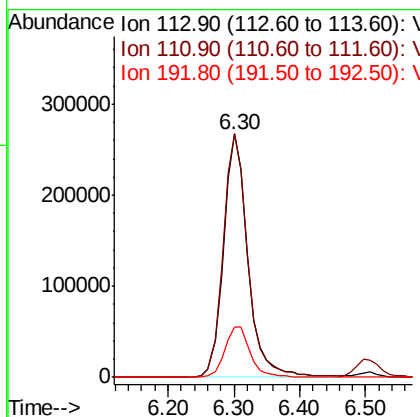
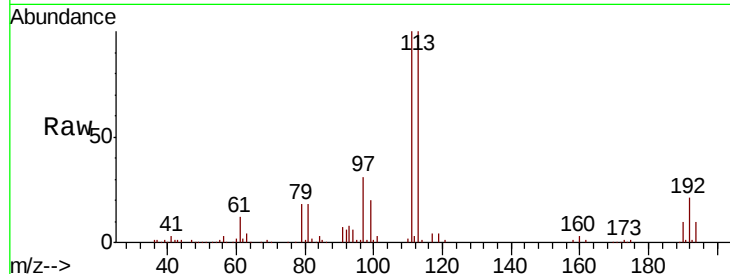
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	692604		
111	99.8	81.3	121.9	
192	20.7	18.1	27.1	

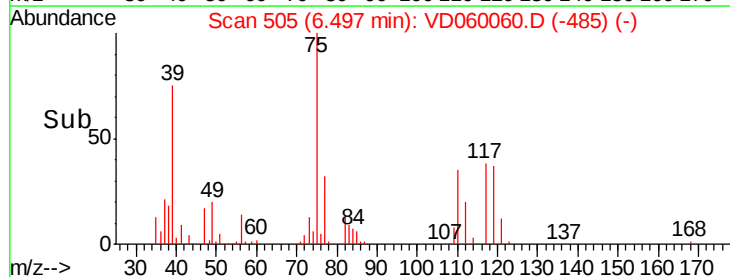
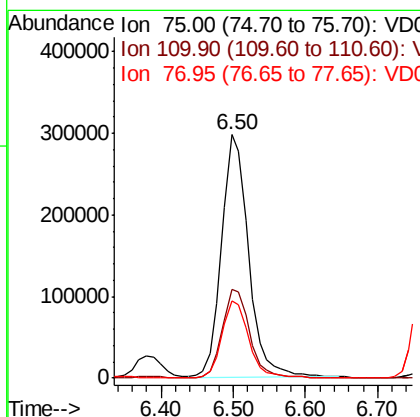
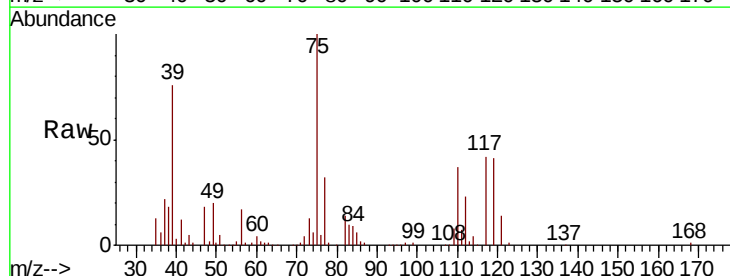
Manual Integrations
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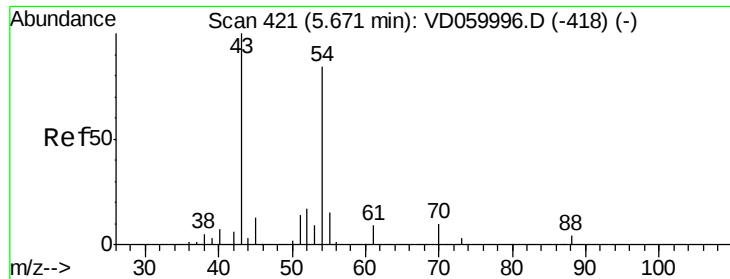
apatel
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#36
1,1-Dichloropropene
Concen: 47.229 ug/l
RT: 6.50 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	770261		
110	36.7	18.9	56.9	
77	31.7	25.3	37.9	





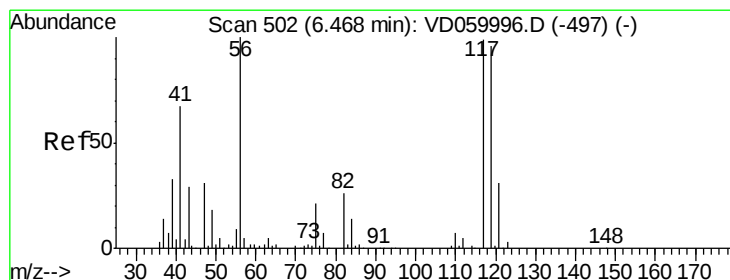
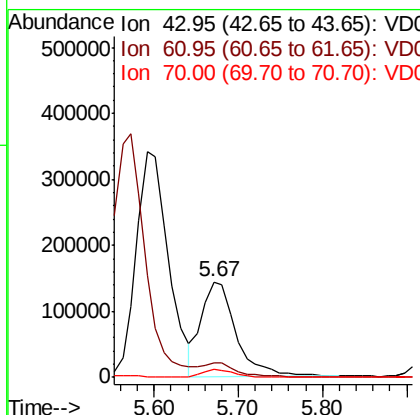
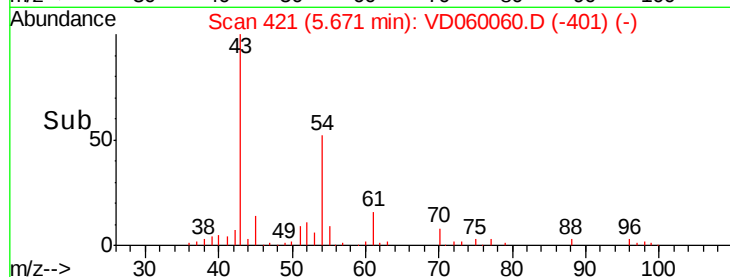
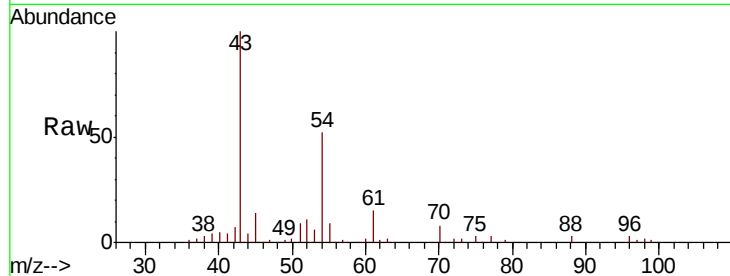
#37
Ethyl Acetate
Concen: 36.902 ug/l
RT: 5.67 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.2	15.2#
70	7.9	6.1	9.1

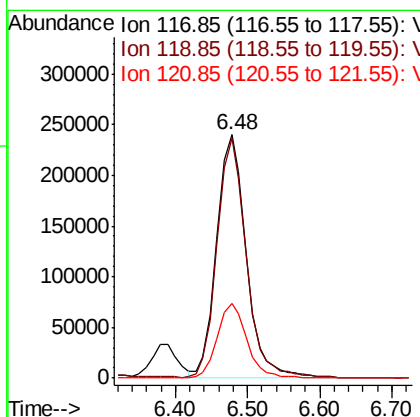
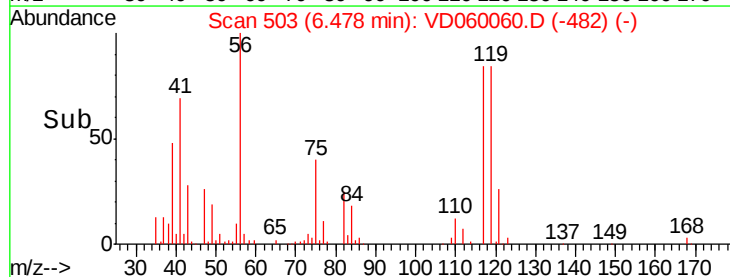
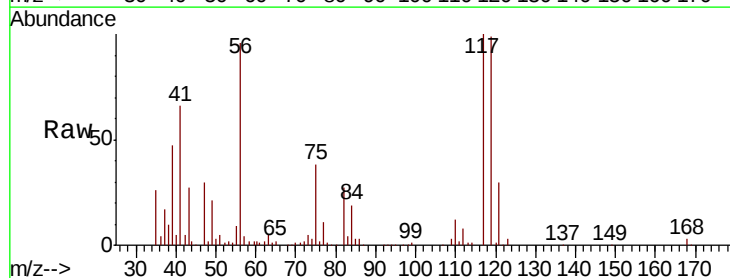
Manual Integrations
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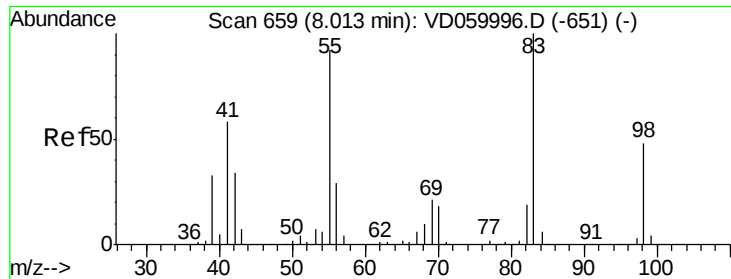
apatel
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#38
Carbon Tetrachloride
Concen: 44.176 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.7	115.1
121	30.5	24.9	37.3





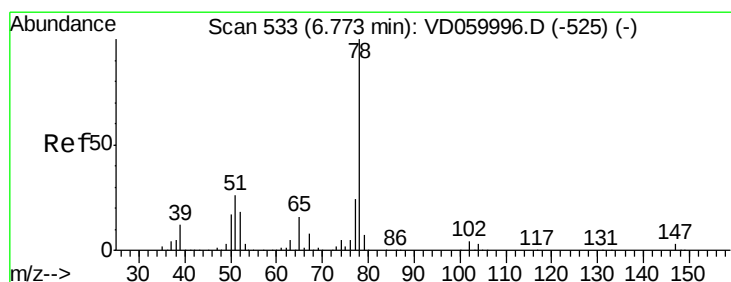
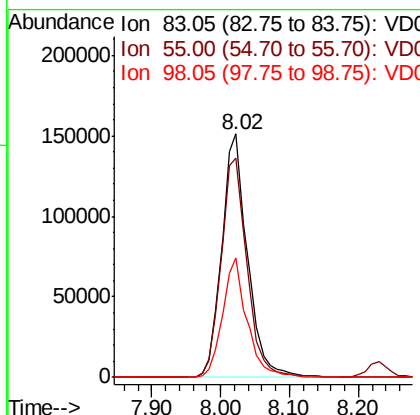
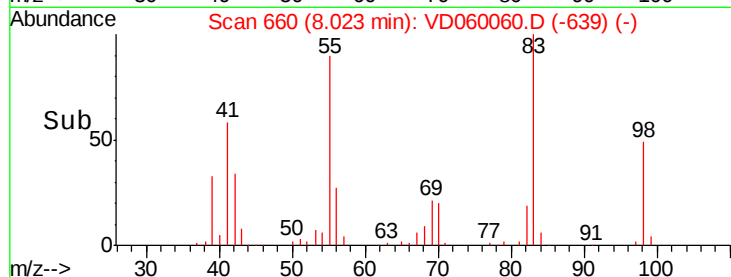
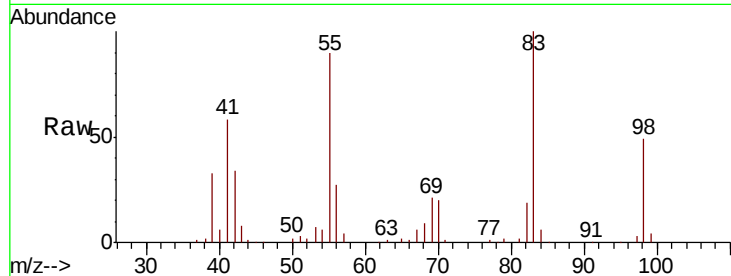
#39
Methvlcvclohexane
Concen: 21.176 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.0	73.8	110.6
98	49.1	38.1	57.1

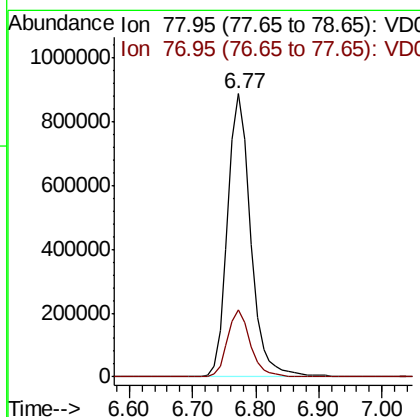
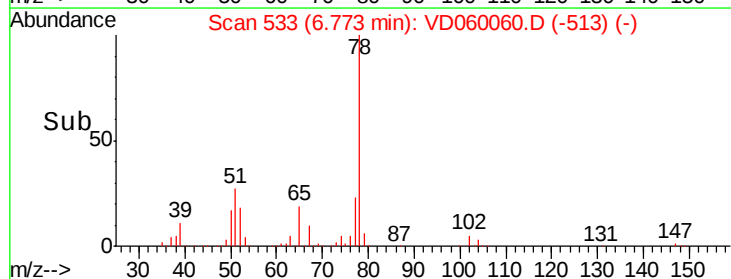
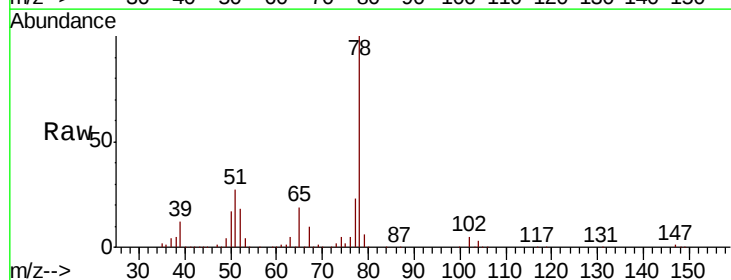
Manual Integrations
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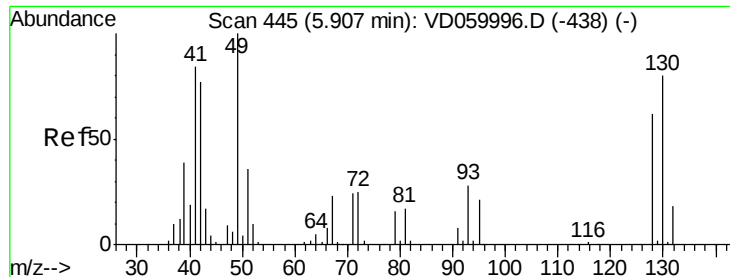
apatel
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#40
Benzene
Concen: 54.326 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





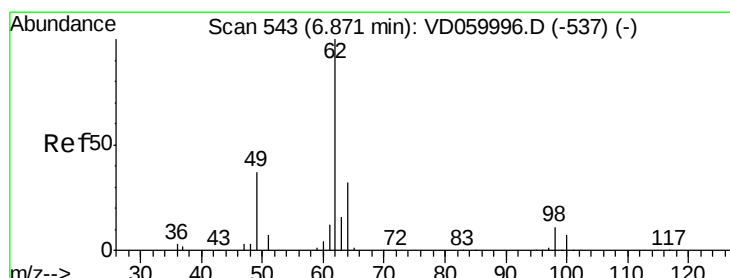
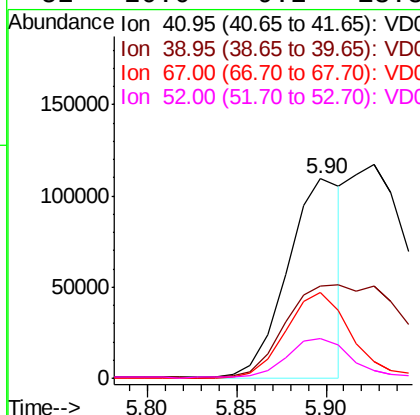
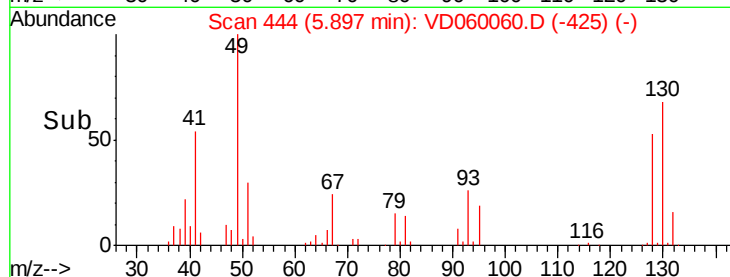
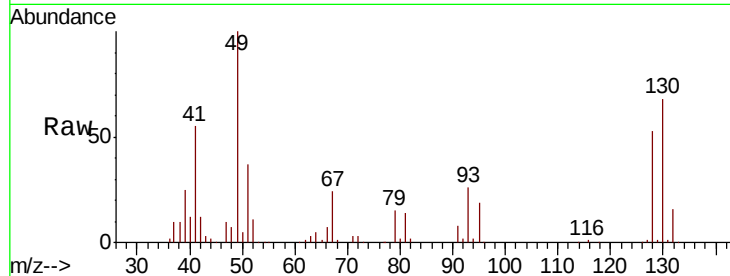
#41
Methacrylonitrile
Concen: 40.278 ug/l m
RT: 5.90 min Scan# 444
Delta R.T. -0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.0	37.5	56.3
67	43.2	21.5	32.3
52	20.0	9.2	13.8

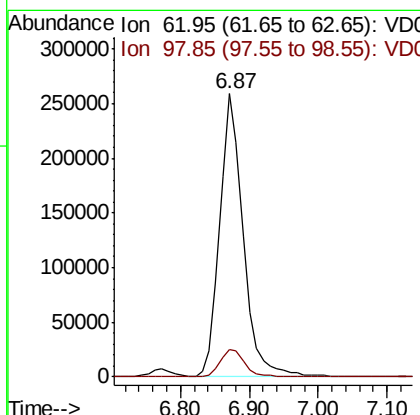
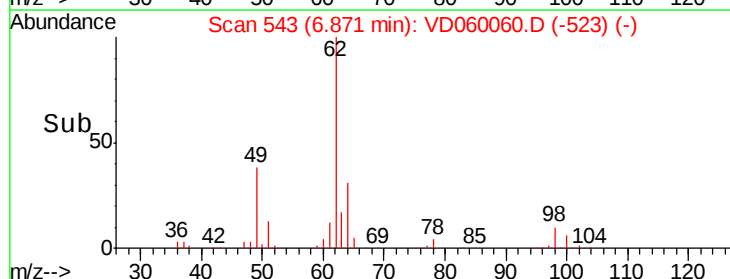
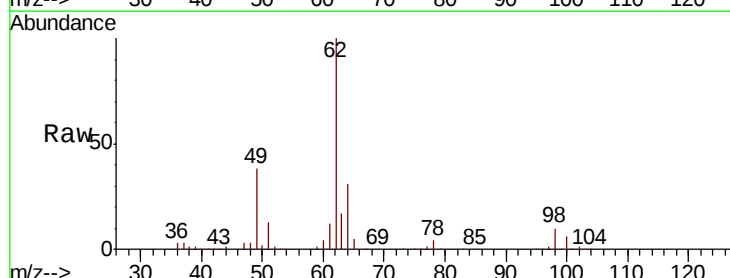
Manual Integrations
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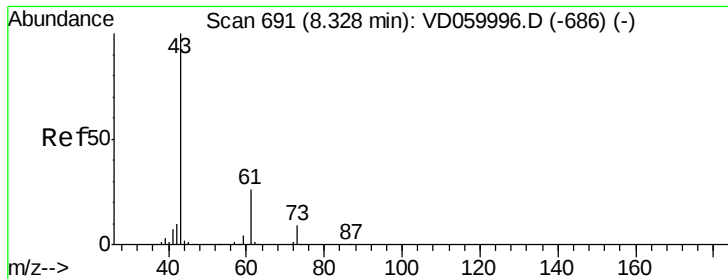
apatel
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#42
1,2-Dichloroethane
Concen: 48.735 ug/l
RT: 6.87 min Scan# 543
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	21.4





#43

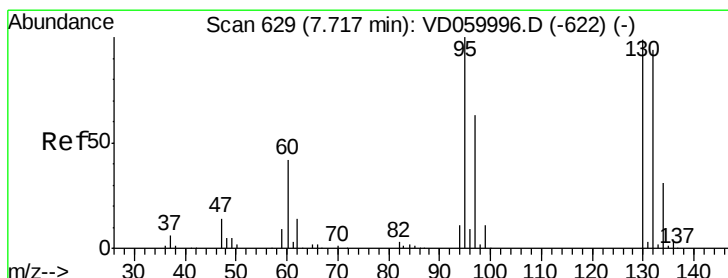
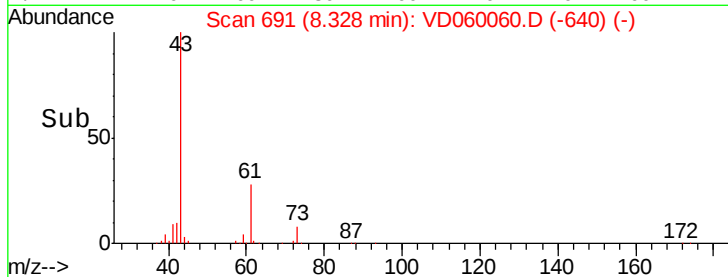
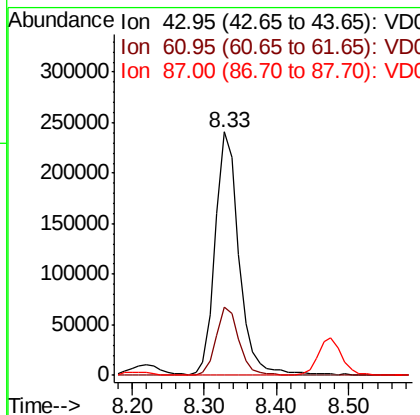
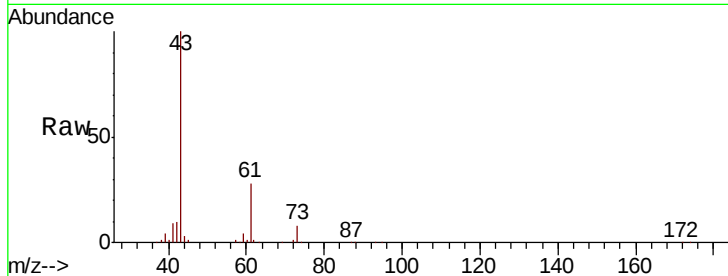
Isopropyl Acetate
 Concen: 36.076 ug/l
 RT: 8.33 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.0	31.6
87	0.3	0.2	0.2#

Manual Integrations
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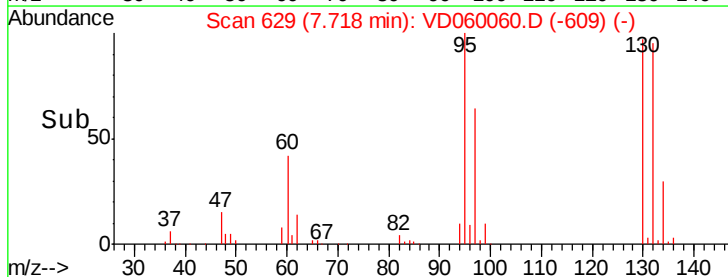
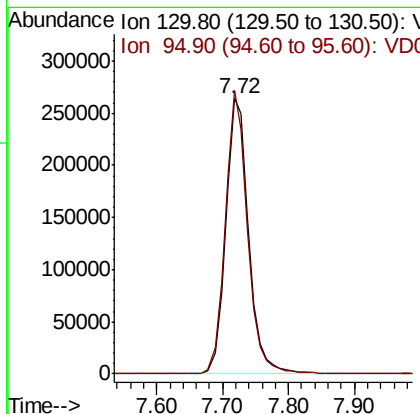
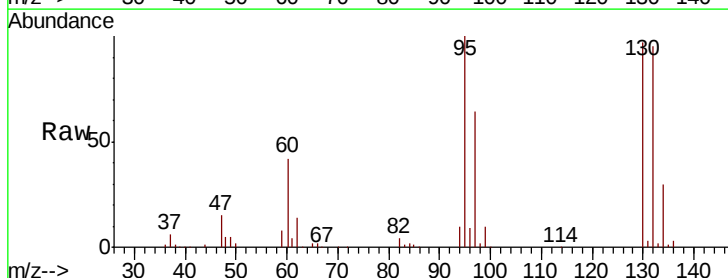
apatel
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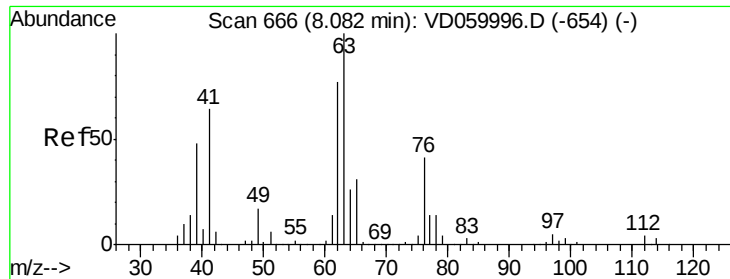


#44

Trichloroethene
 Concen: 49.971 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	202.0





#45

1,2-Dichloropropane

Concen: 52.687 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 63 Resp: 585621

Ion Ratio Lower Upper

63 100

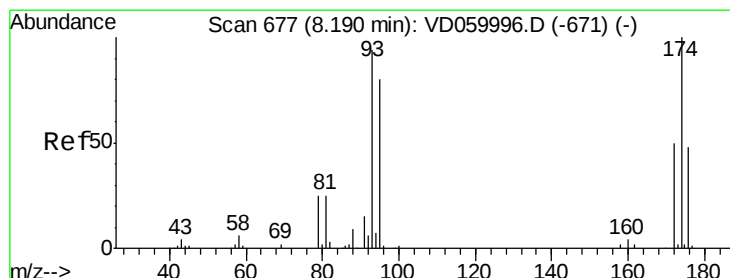
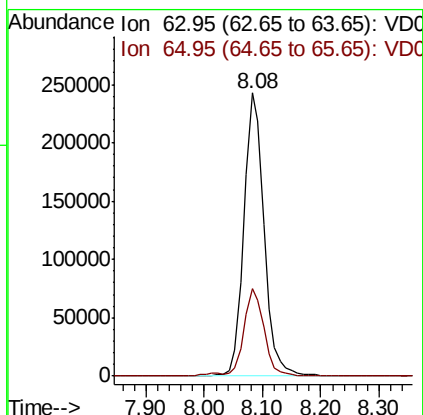
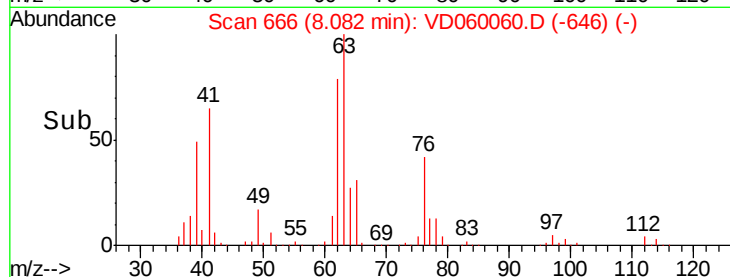
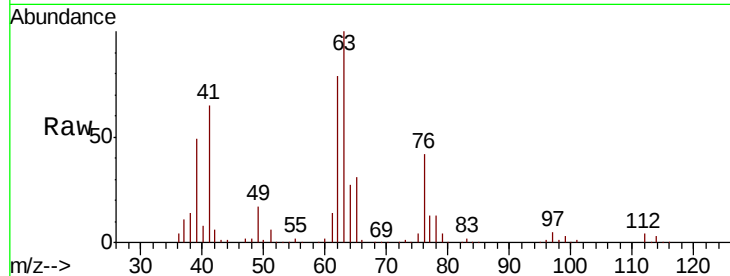
65 30.8 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 47.738 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

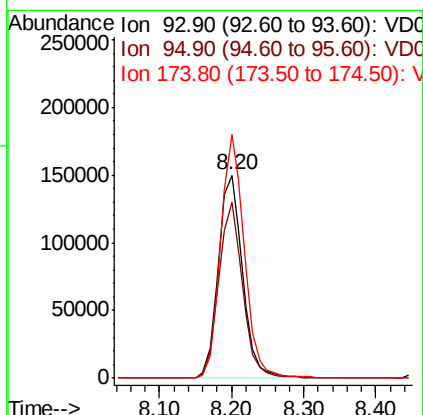
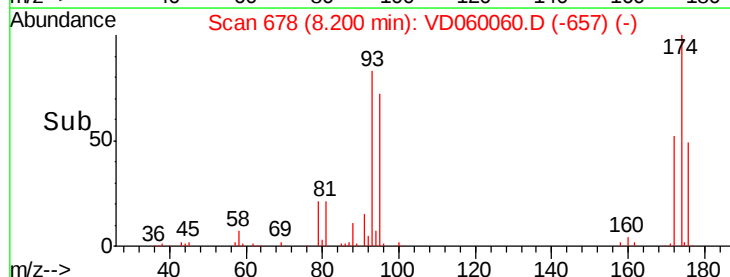
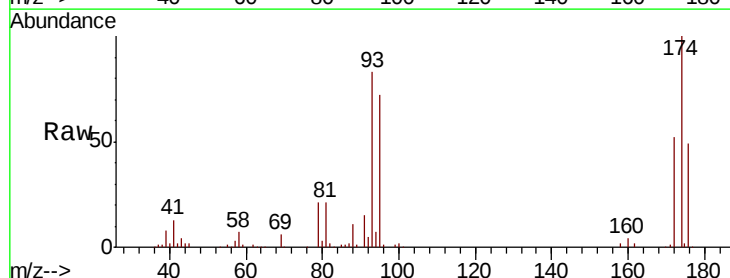
Tgt Ion: 93 Resp: 346208

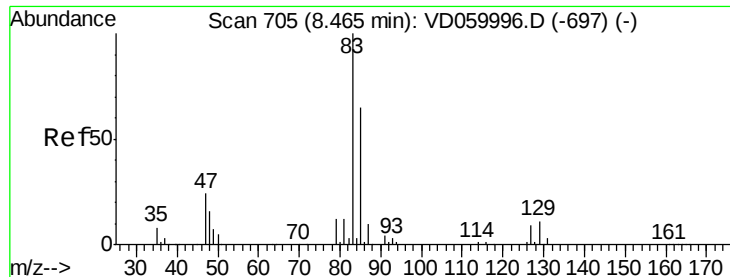
Ion Ratio Lower Upper

93 100

95 86.6 68.0 102.0

174 119.9 85.4 128.2





#47

Bromodichloromethane

Concen: 50.399 ug/l

RT: 8.48 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

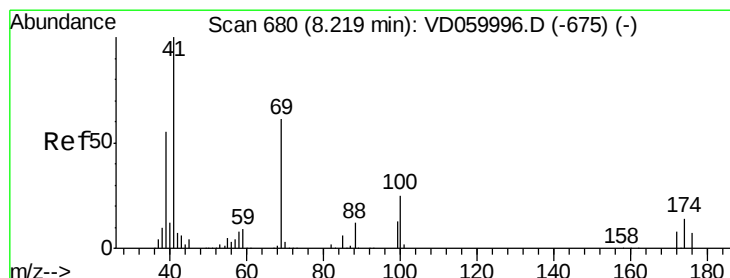
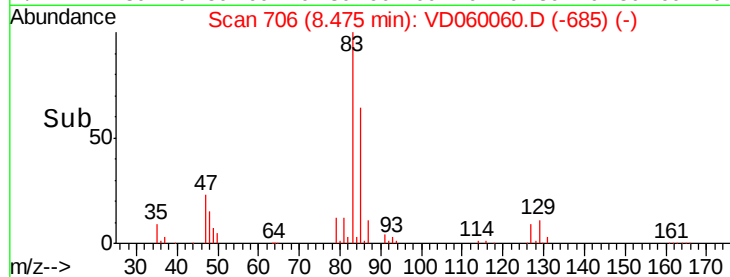
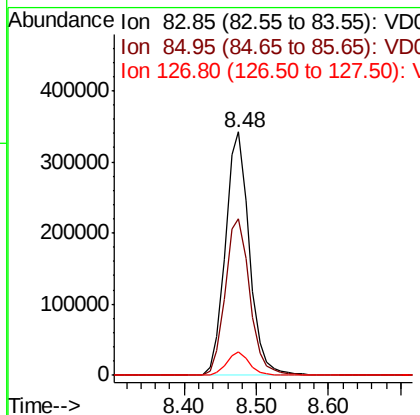
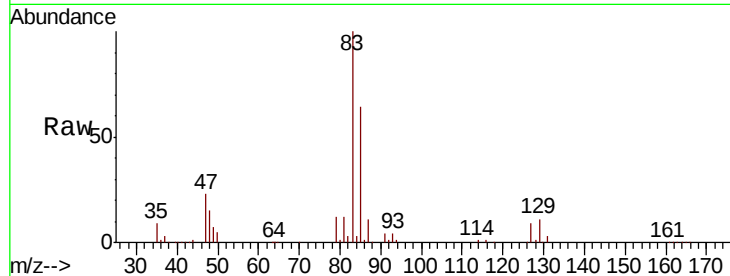
ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:	83	Resp:	788035
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.9	77.9
127	9.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.808 ug/l

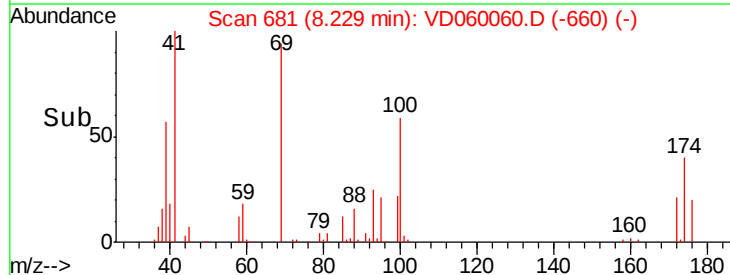
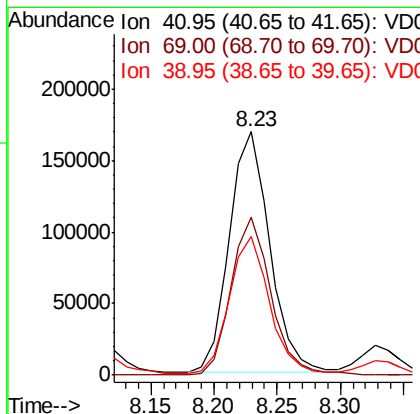
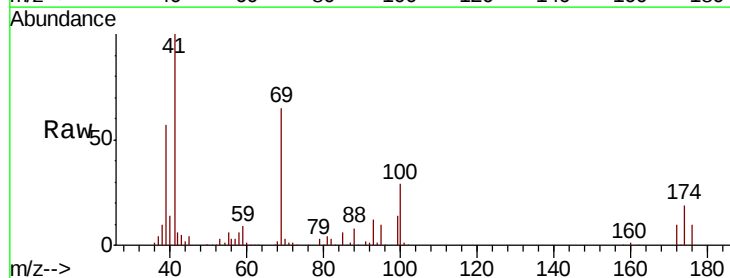
RT: 8.23 min Scan# 681

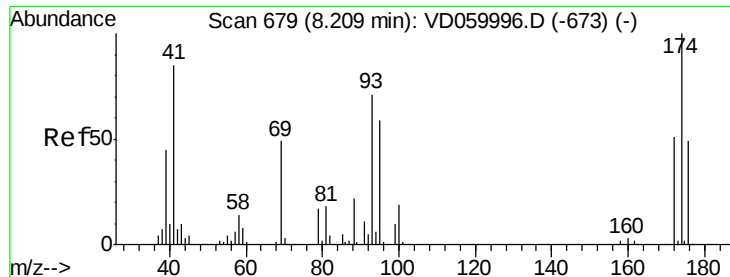
Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion:	41	Resp:	374735
Ion Ratio	Lower	Upper	
41	100		
69	64.6	48.3	72.5
39	57.2	44.1	66.1





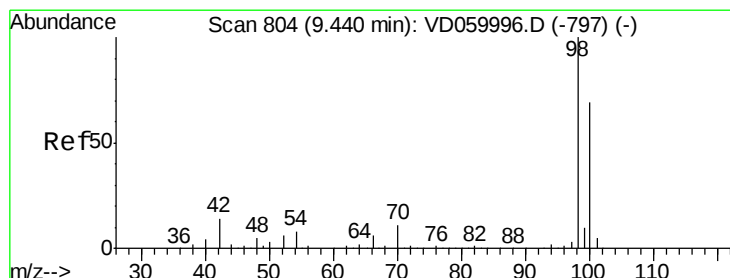
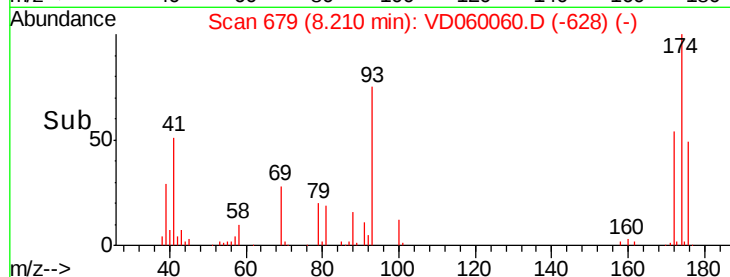
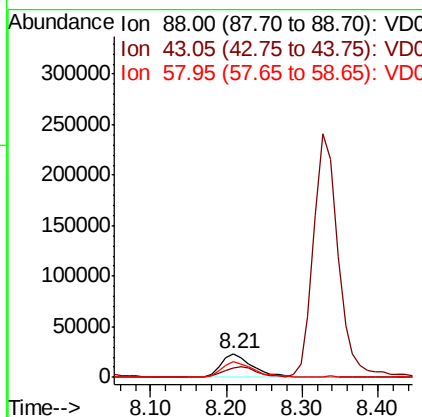
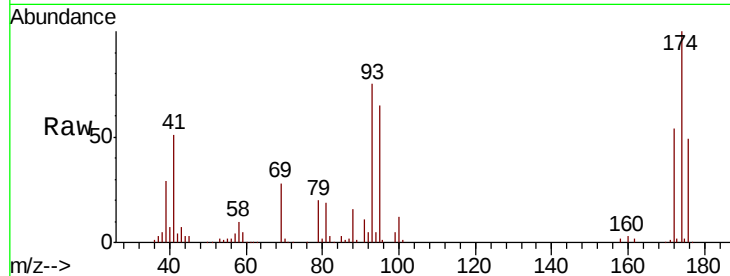
#49
1,4-Dioxane
Concen: 809.936 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 88 Resp: 67278
Ion Ratio Lower Upper
88 100
43 41.7 36.2 54.2
58 64.4 51.0 76.6

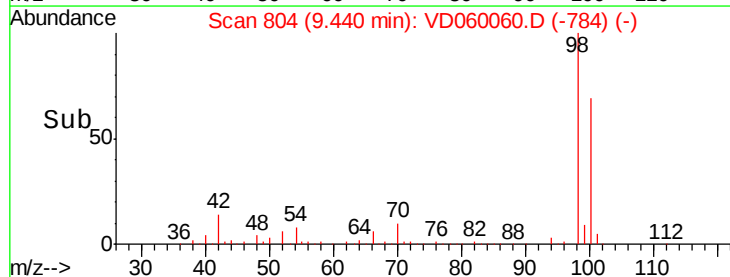
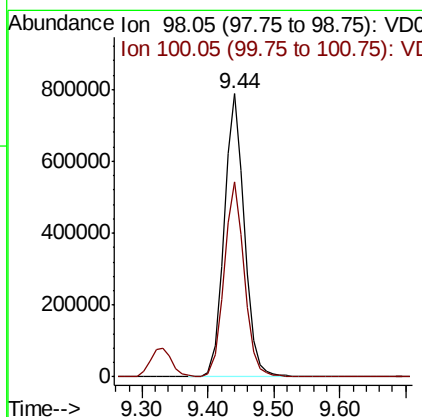
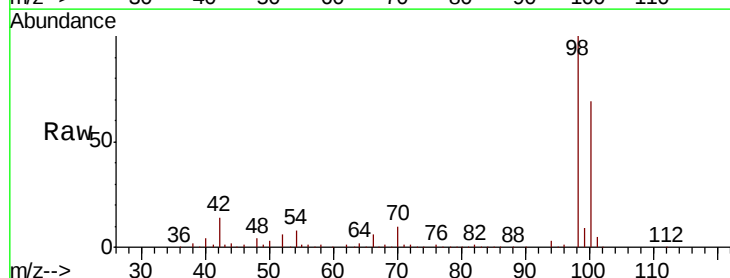
Manual Integrations
APPROVED

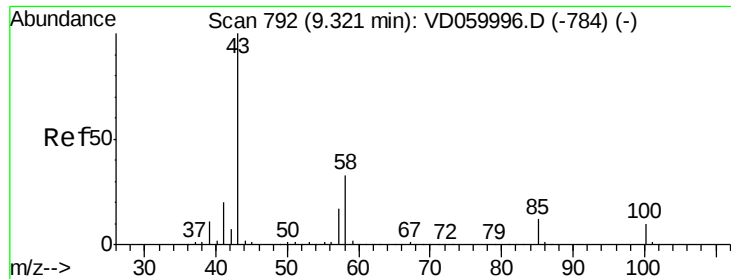
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#50
Toluene-d8
Concen: 809.936 ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 98 Resp: 1690219
Ion Ratio Lower Upper
98 100
100 68.9 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 177.078 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 43 Resp: 1831780

Ion Ratio Lower Upper

43 100

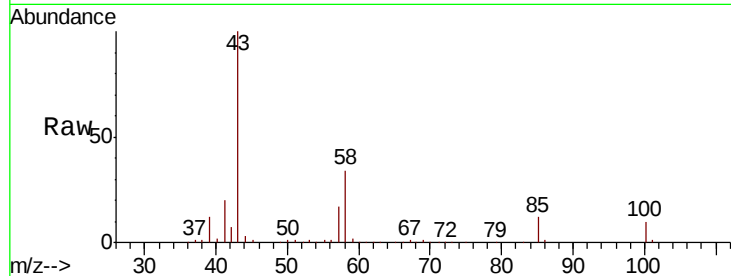
58 33.9 26.4 39.6

Manual Integrations

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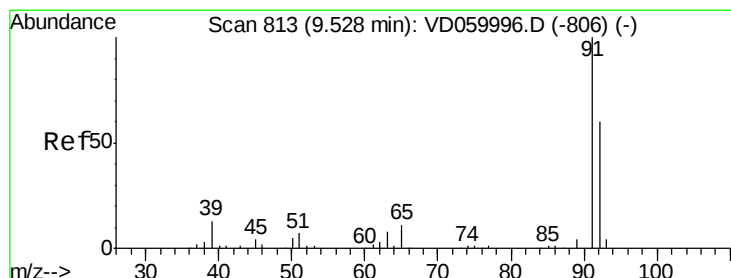
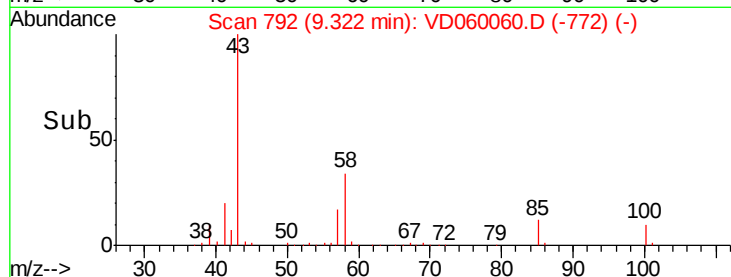
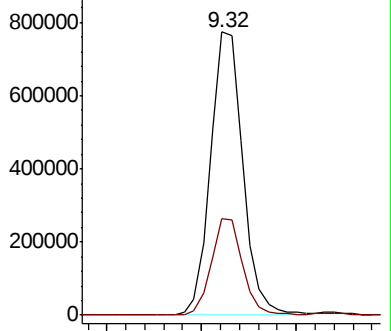
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.153 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD060060.D

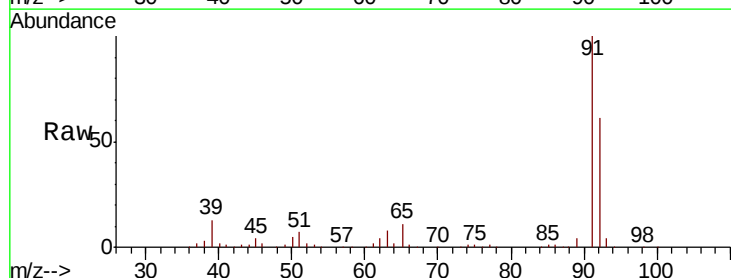
Acq: 20 Sep 2018 20:57

Tgt Ion: 92 Resp: 1256359

Ion Ratio Lower Upper

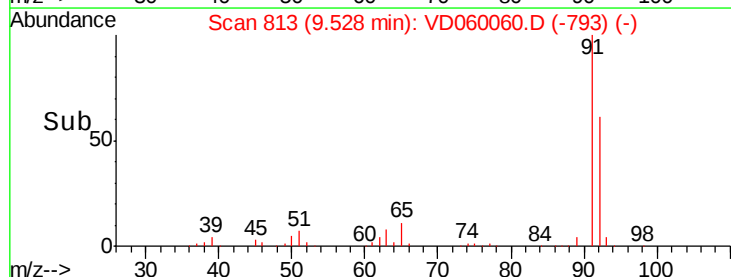
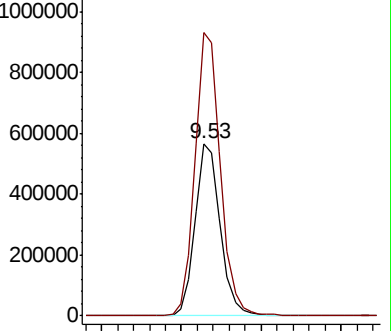
92 100

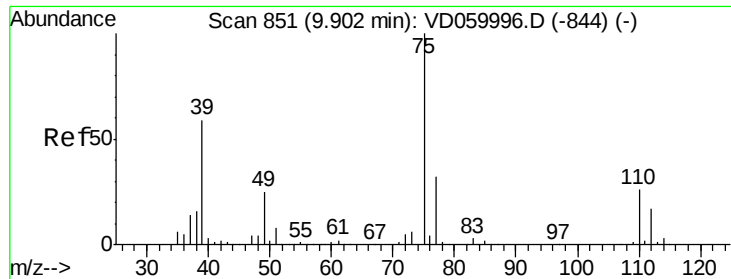
91 164.5 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





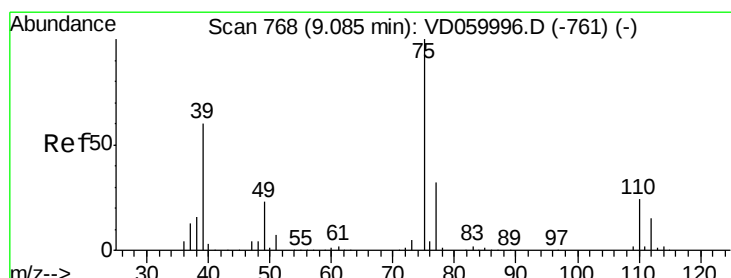
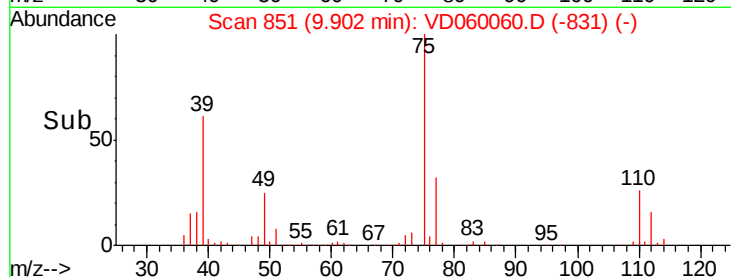
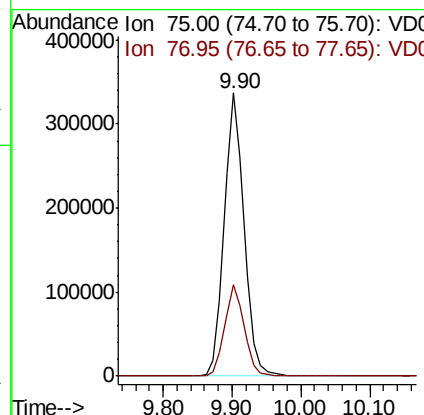
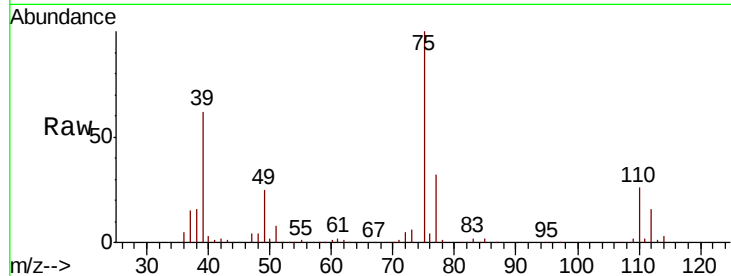
#53
t-1,3-Dichloropropene
Concen: 45.982 ug/l
RT: 9.90 min Scan# 851
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4

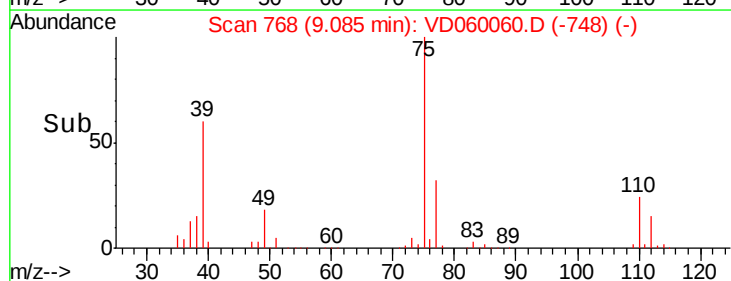
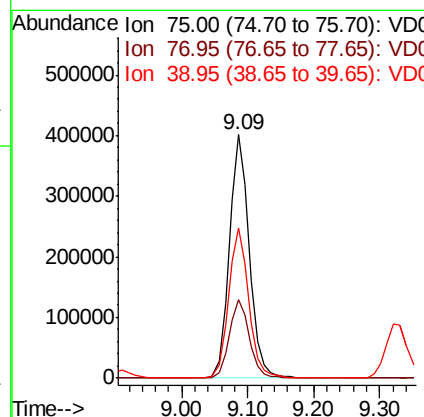
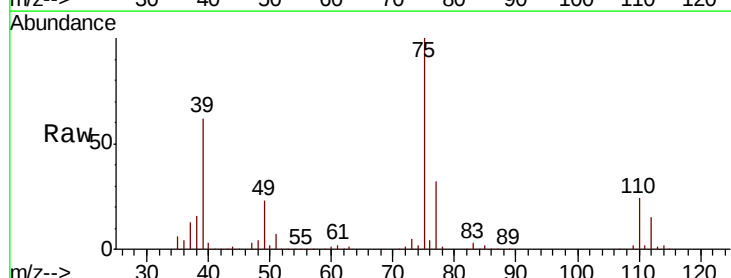
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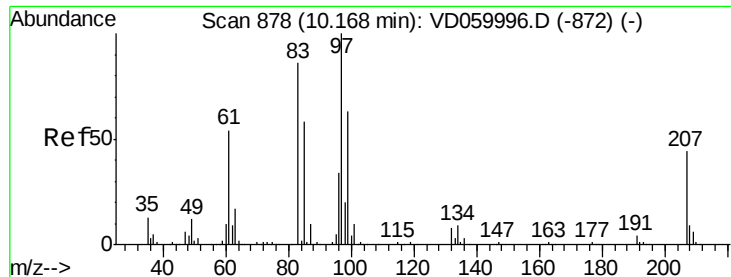
apatel
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#54
cis-1,3-Dichloropropene
Concen: 48.796 ug/l
RT: 9.09 min Scan# 768
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3
39	61.7	48.0	72.0





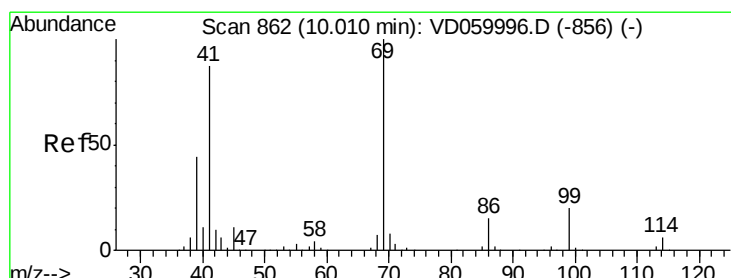
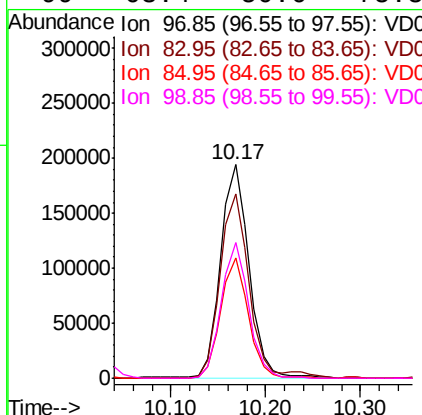
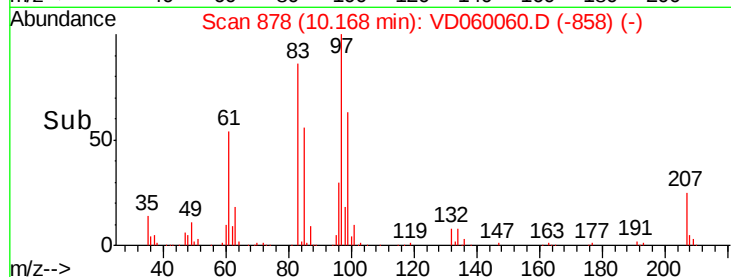
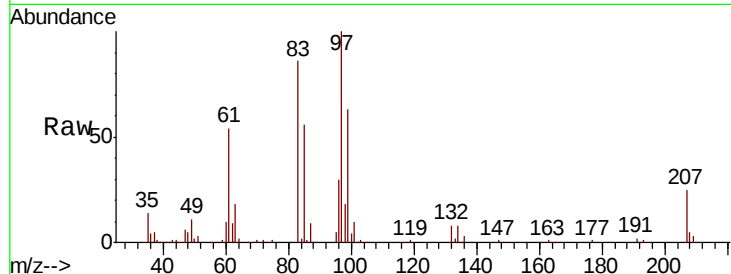
#55
 1,1,2-Trichloroethane
 Concen: 43.320 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		400750		
83	86.2	69.1	103.7		
85	56.3	46.2	69.4		
99	63.4	50.6	75.8		

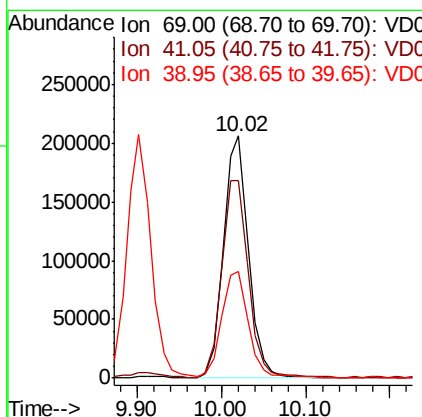
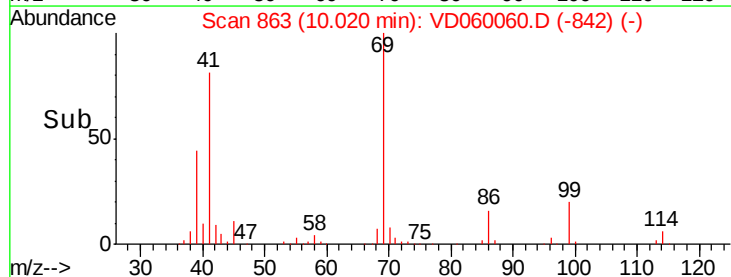
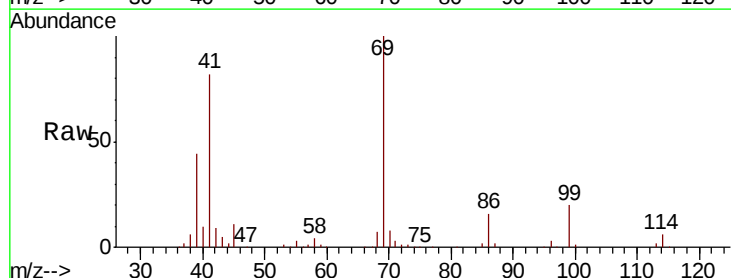
Manual Integrations
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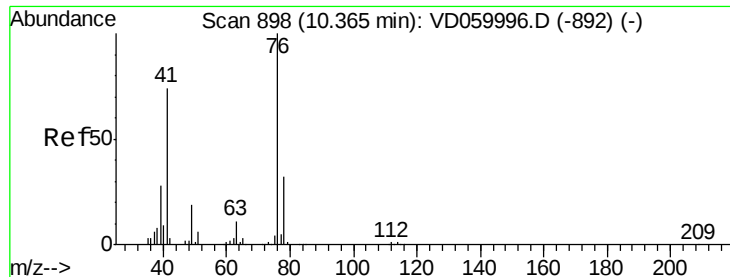
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#56
 Ethyl methacrylate
 Concen: 41.297 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		423746		
41	81.6	70.1	105.1		
39	43.9	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 47.526 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 76 Resp: 648988

Ion Ratio Lower Upper

76 100

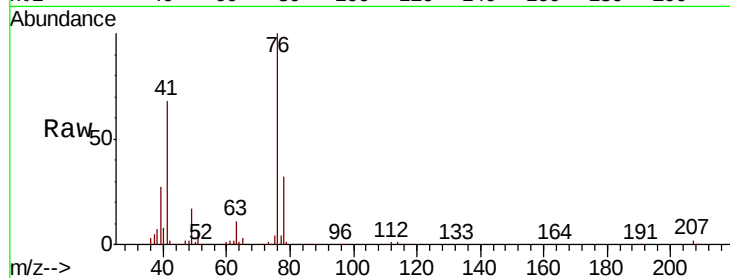
78 31.8 25.3 37.9

Manual Integrations

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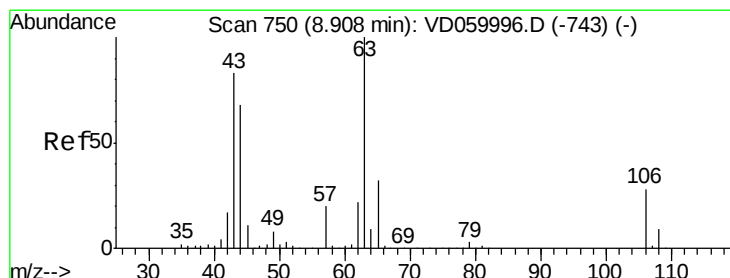
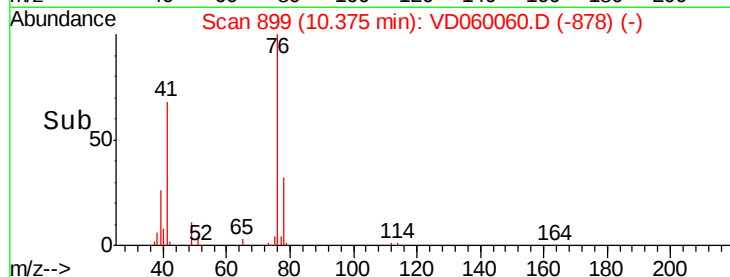
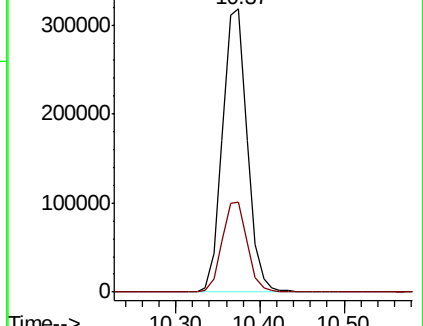
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 235.036 ug/l

RT: 8.91 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD060060.D

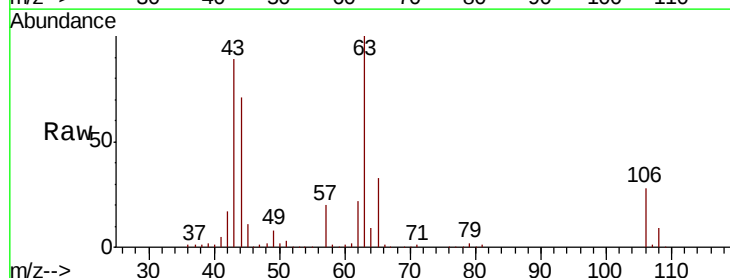
Acq: 20 Sep 2018 20:57

Tgt Ion: 63 Resp: 1164582

Ion Ratio Lower Upper

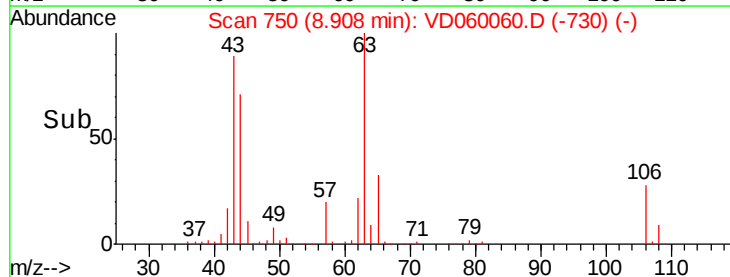
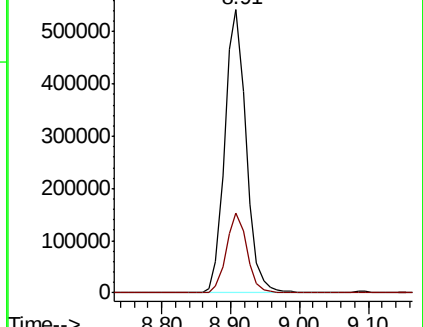
63 100

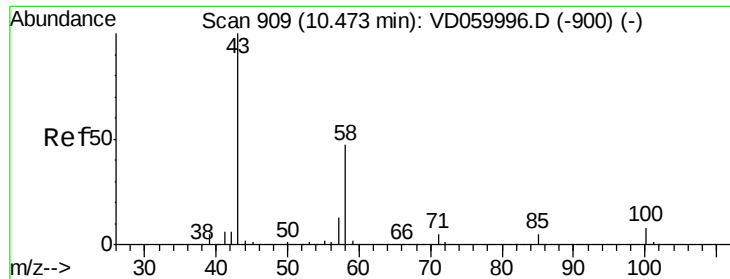
106 28.1 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





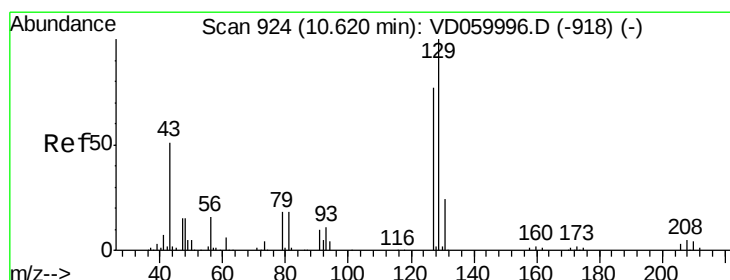
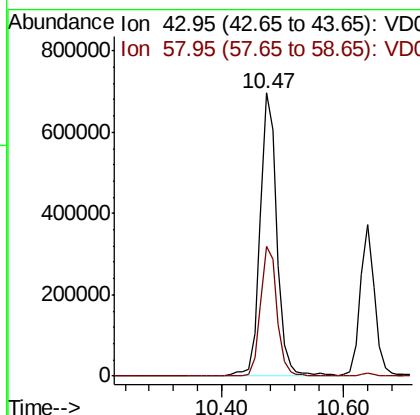
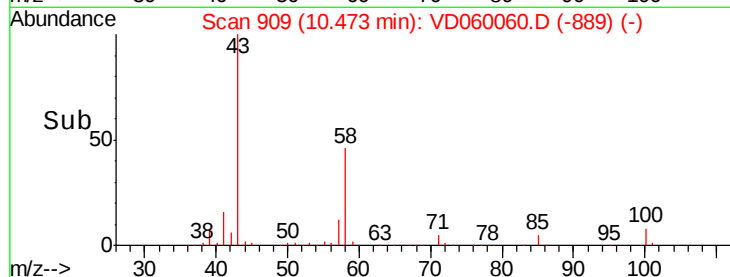
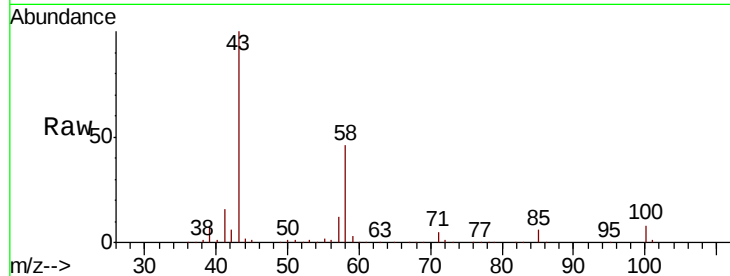
#59
2-Hexanone
Concen: 180.255 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 43 Resp: 1331699
Ion Ratio Lower Upper
43 100
58 45.8 23.4 70.0

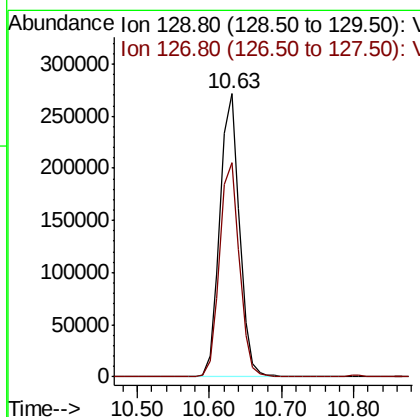
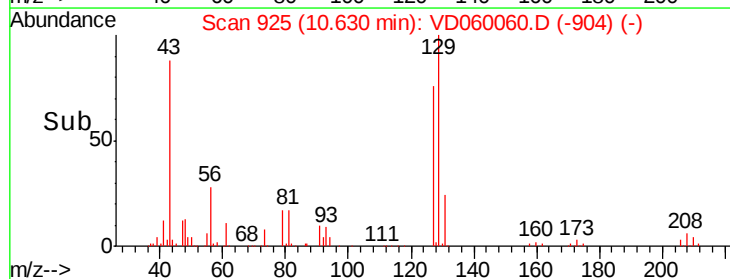
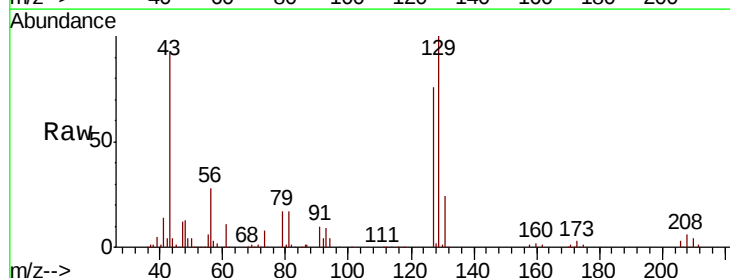
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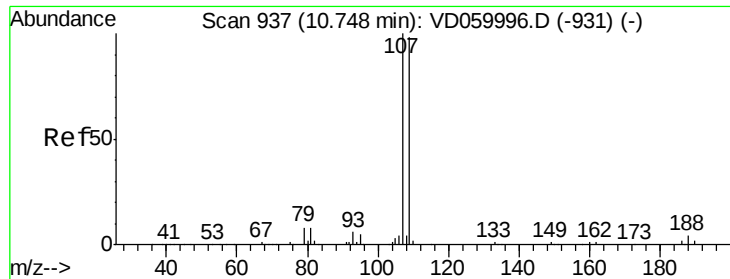
apatel
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#60
Dibromochloromethane
Concen: 45.282 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 129 Resp: 509866
Ion Ratio Lower Upper
129 100
127 75.7 38.6 116.0





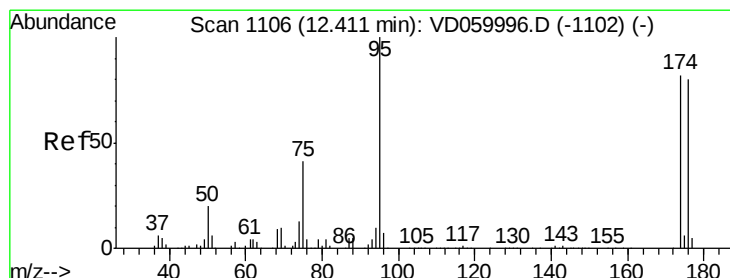
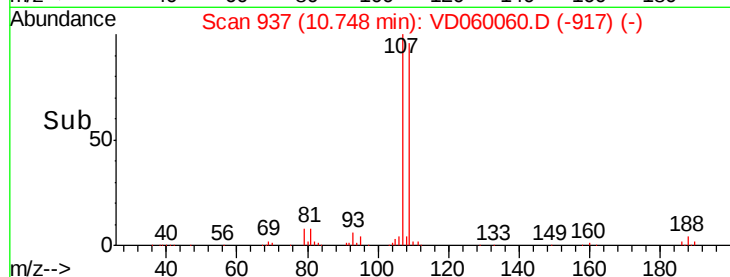
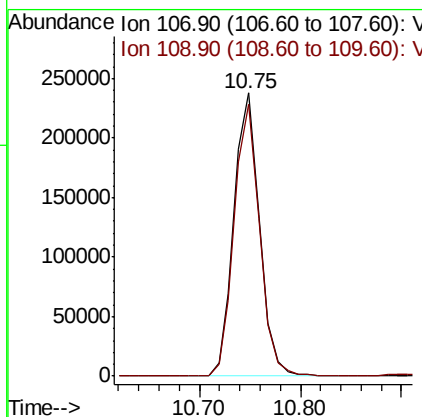
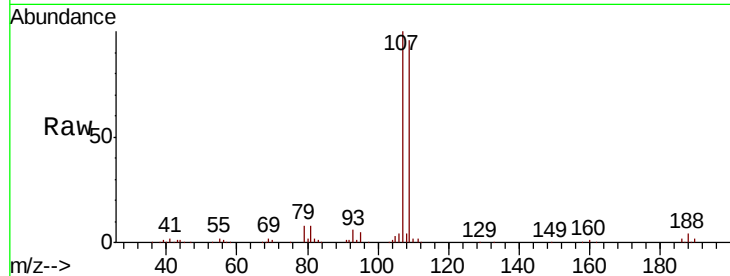
#61
 1,2-Dibromoethane
 Concen: 43.924 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	419532		
109	96.2	78.2	117.2	

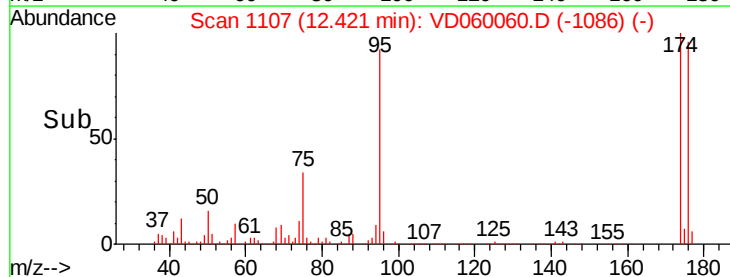
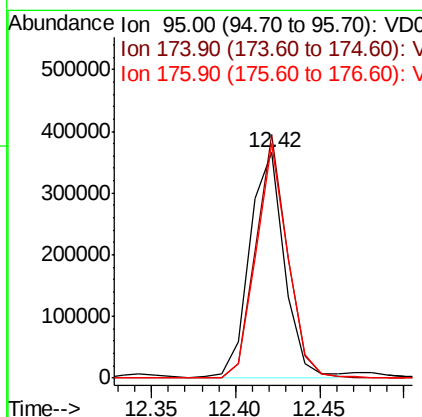
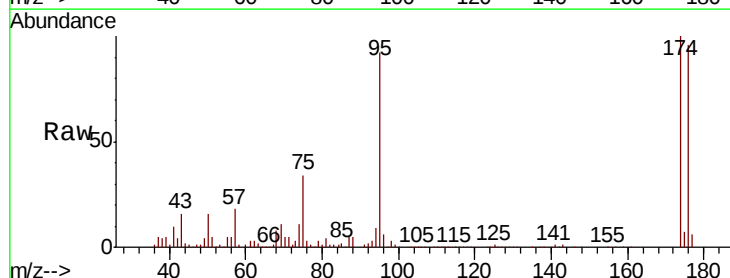
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 43.924 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	517863		
174	108.1	0.0	165.0	
176	104.3	0.0	160.2	





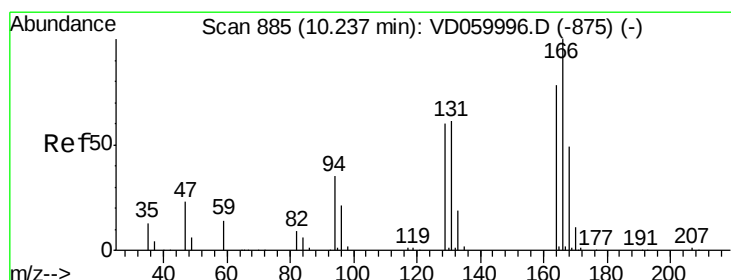
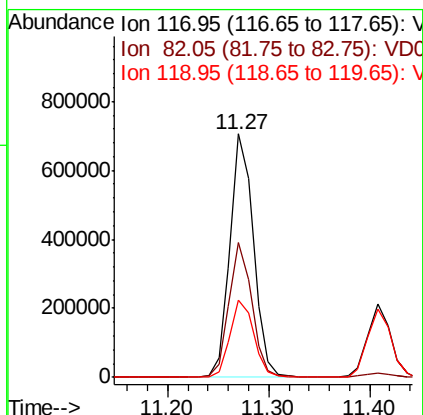
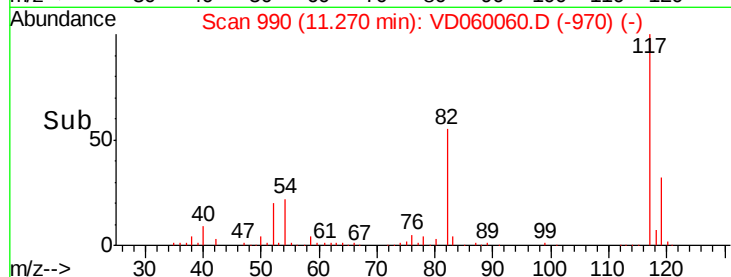
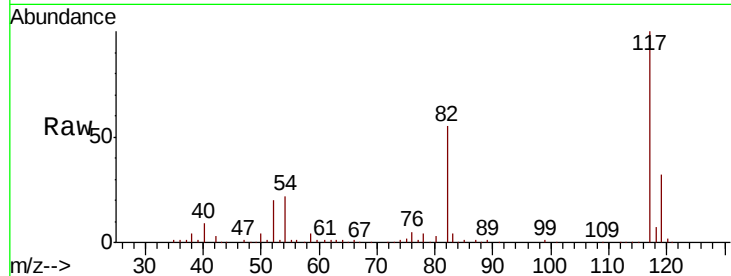
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion:117 Resp: 1140746
Ion Ratio Lower Upper
117 100
82 55.2 41.7 62.5
119 31.9 26.0 39.0

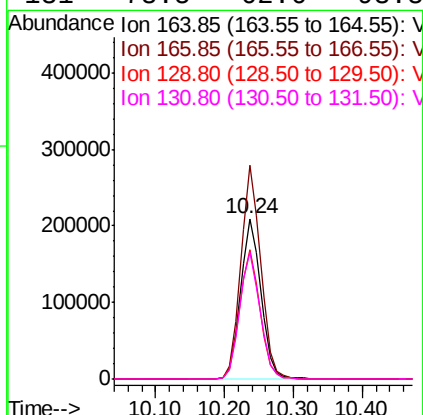
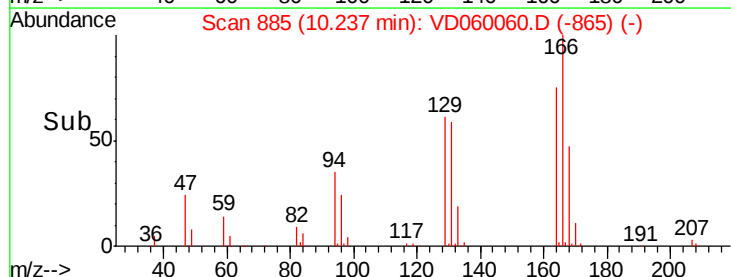
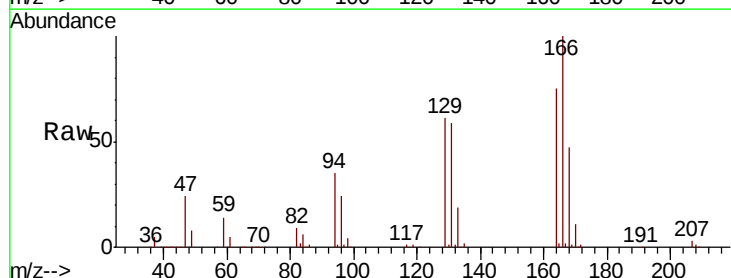
Manual Integrations
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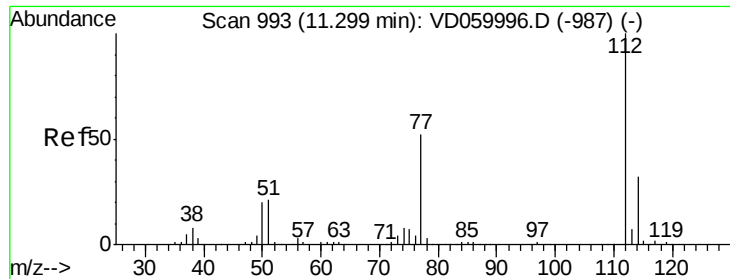
apatel
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#64
Tetrachloroethene
Concen: 42.690 ug/l
RT: 10.24 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion:164 Resp: 429669
Ion Ratio Lower Upper
164 100
166 132.9 103.0 154.6
129 80.8 61.9 92.9
131 78.5 62.6 93.8





#65

Chlorobenzene

Concen: 52.689 ug/l

RT: 11.30 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:112 Resp: 1292224

Ion Ratio Lower Upper

112 100

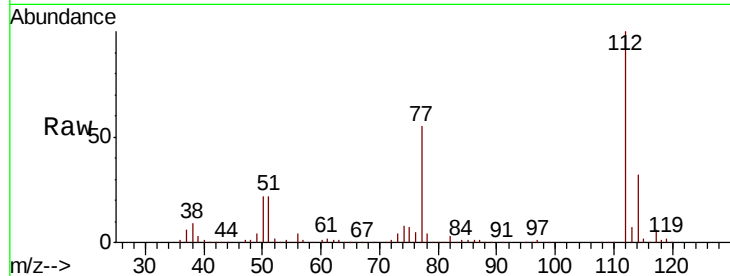
114 32.4 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

11.30

800000

600000

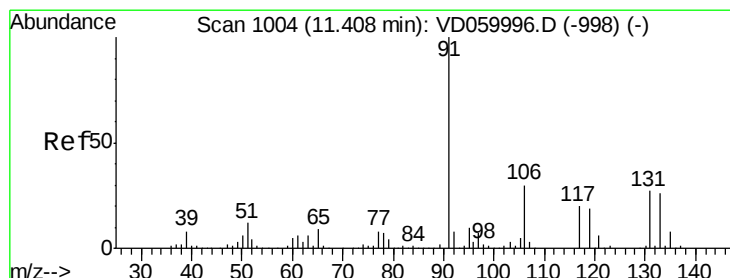
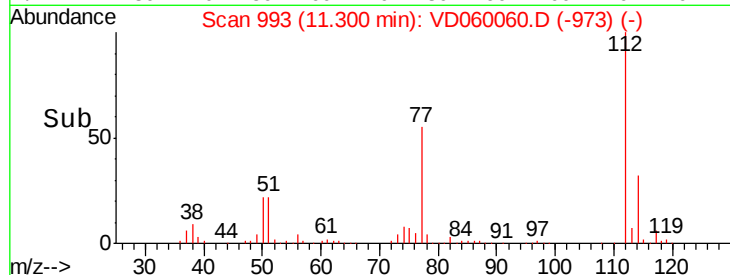
400000

200000

0

Time-->

11.20 11.30 11.40



#66

1,1,1,2-Tetrachloroethane

Concen: 55.675 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

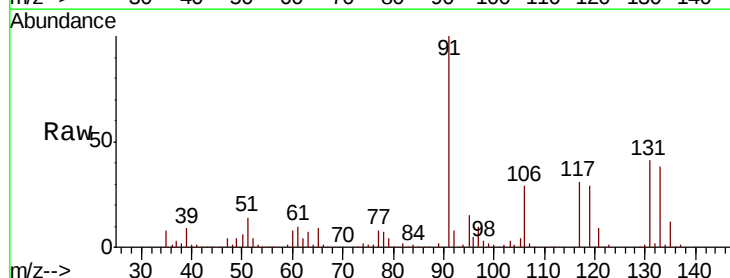
Tgt Ion:131 Resp: 460544

Ion Ratio Lower Upper

131 100

133 93.4 47.4 142.3

119 69.9 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

11.41

300000

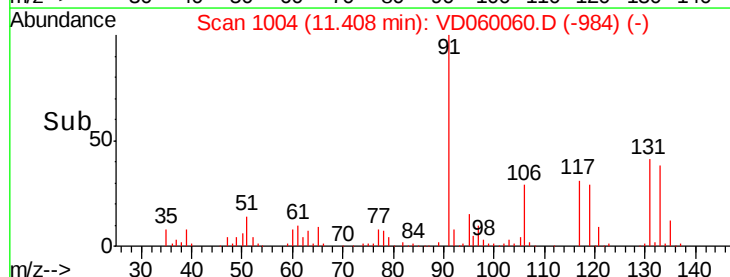
200000

100000

0

Time-->

11.30 11.40 11.50





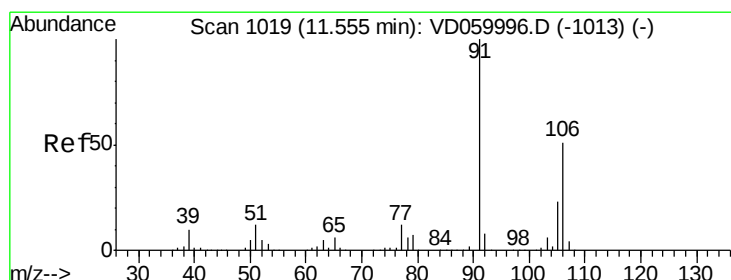
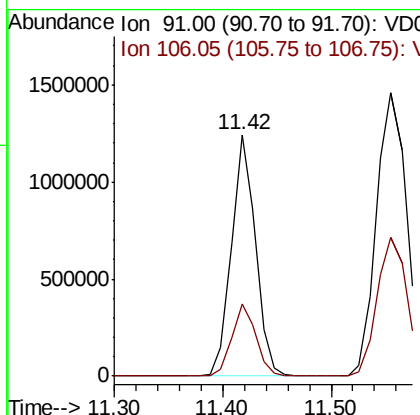
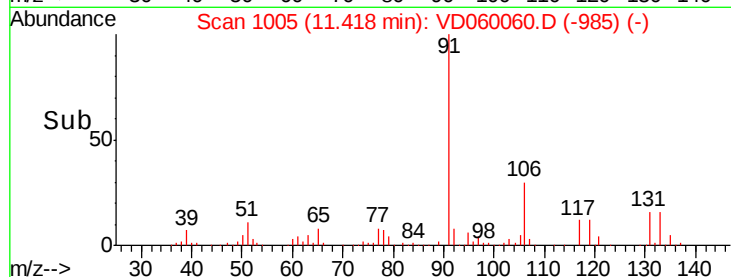
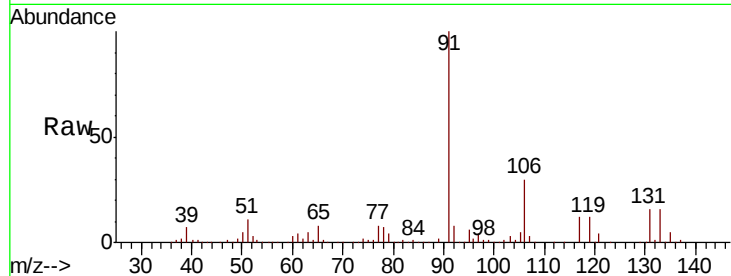
#67
Ethyl Benzene
Concen: 48.925 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 91 Resp: 1931002
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2

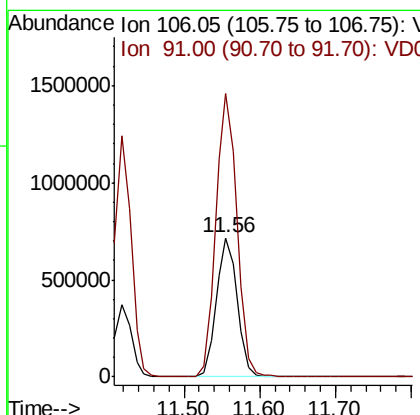
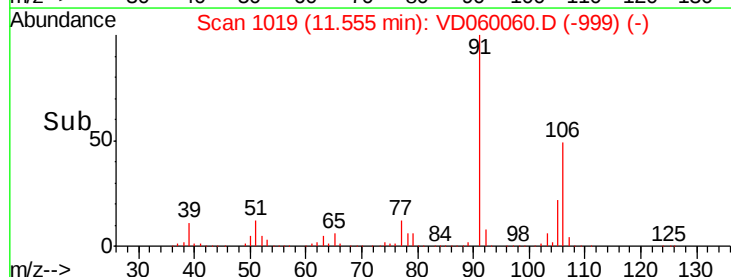
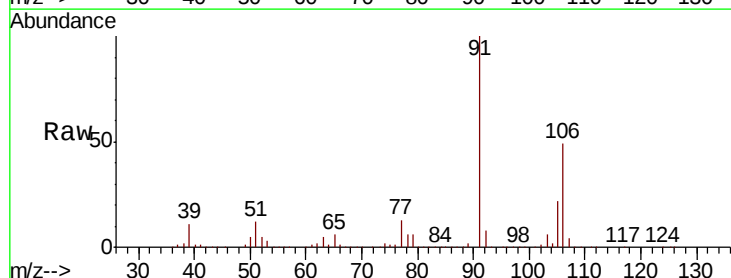
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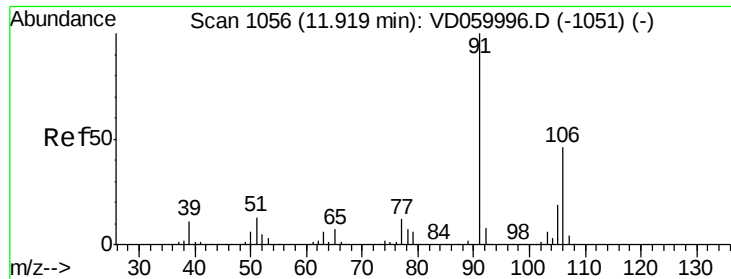
apatel
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#68
m/p-Xylenes
Concen: 94.737 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 106 Resp: 1380943
Ion Ratio Lower Upper
106 100
91 204.0 157.0 235.6





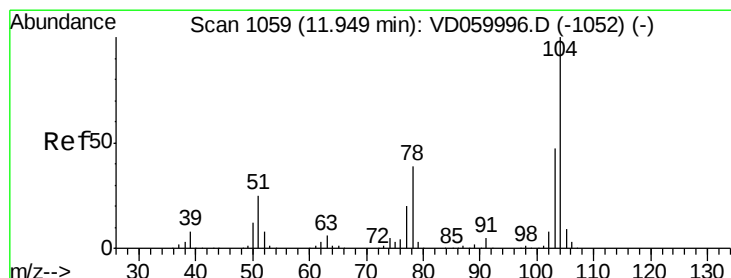
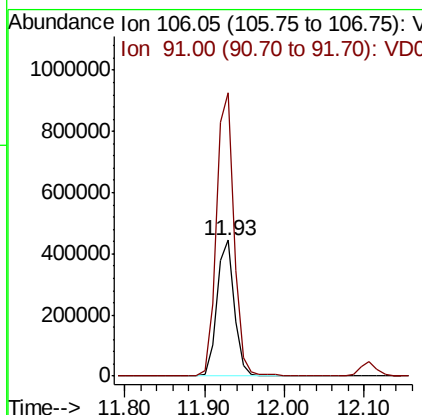
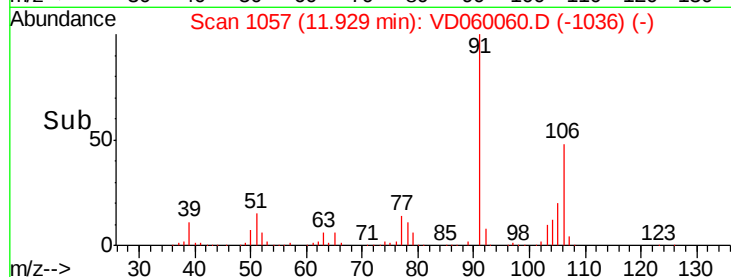
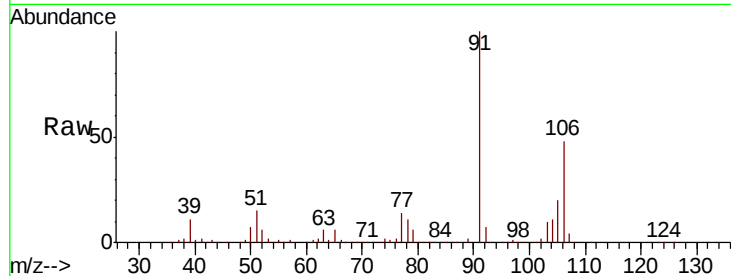
#69
o-Xylene
Concen: 47.551 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion:106 Resp: 686791
Ion Ratio Lower Upper
106 100
91 208.5 107.7 323.1

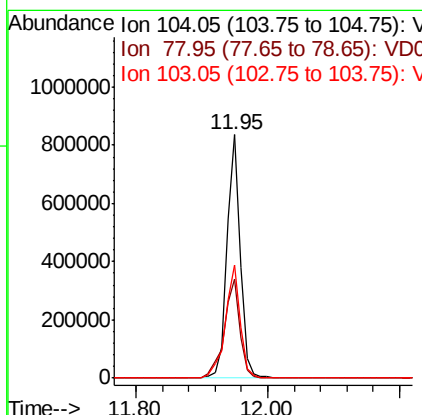
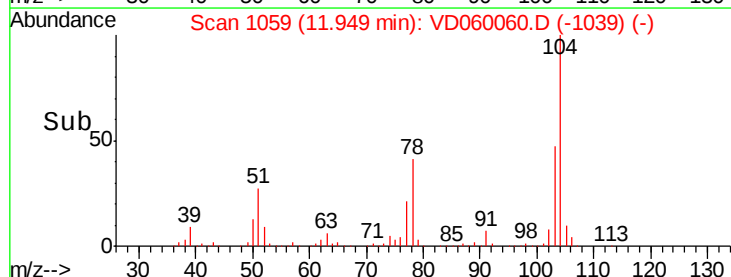
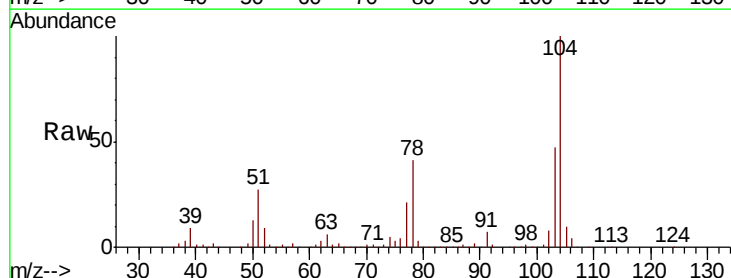
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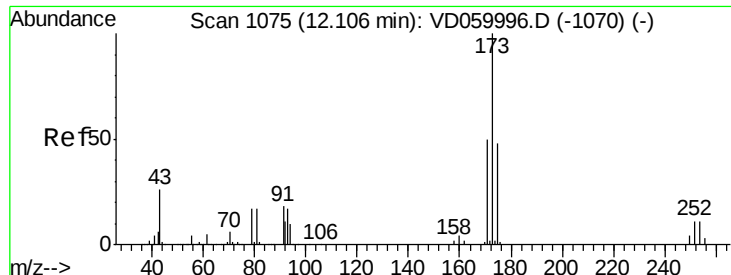
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#70
Styrene
Concen: 48.669 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion:104 Resp: 1181935
Ion Ratio Lower Upper
104 100
78 40.5 31.0 46.4
103 46.6 37.6 56.4





#71

Bromoform

Concen: 45.829 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

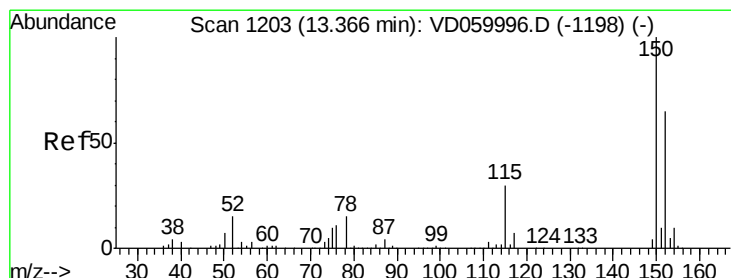
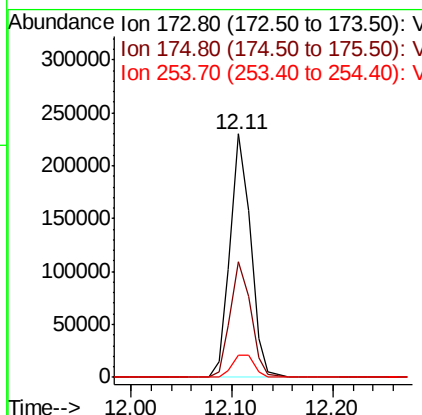
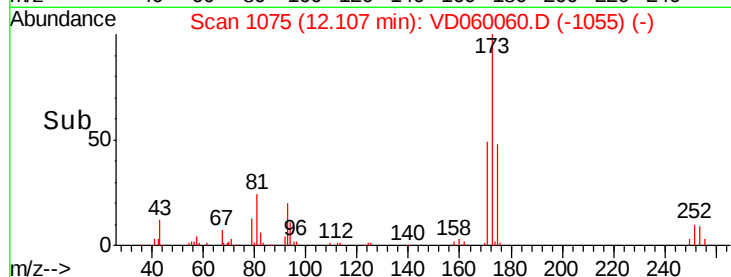
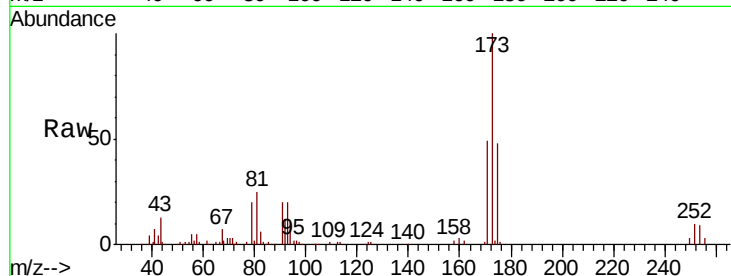
ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:	173	Resp:	325707
Ion Ratio	Lower	Upper	
173	100		
175	47.6	24.0	72.0
254	8.9	8.6	13.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

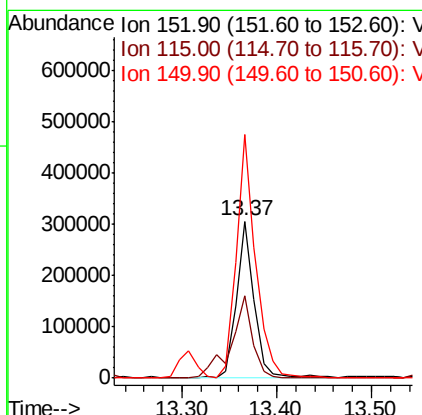
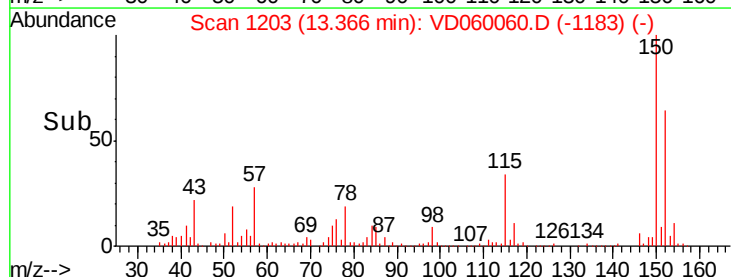
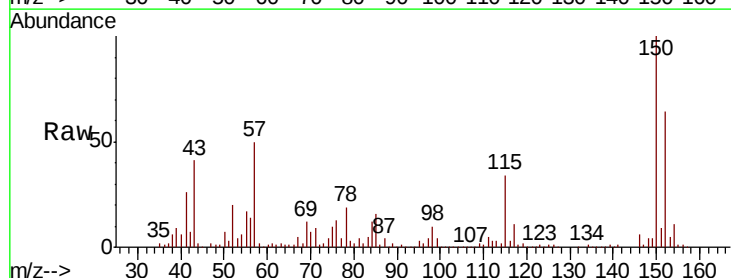
RT: 13.37 min Scan# 1203

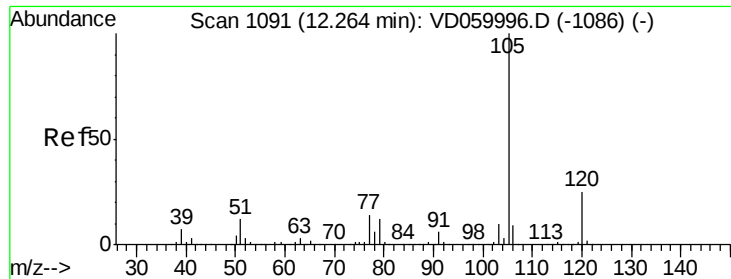
Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion:	152	Resp:	390270
Ion Ratio	Lower	Upper	
152	100		
115	52.4	24.6	73.8
150	155.4	0.0	313.4





#73

Isopropylbenzene

Concen: 59.287 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:105 Resp: 1517488

Ion Ratio Lower Upper

105 100

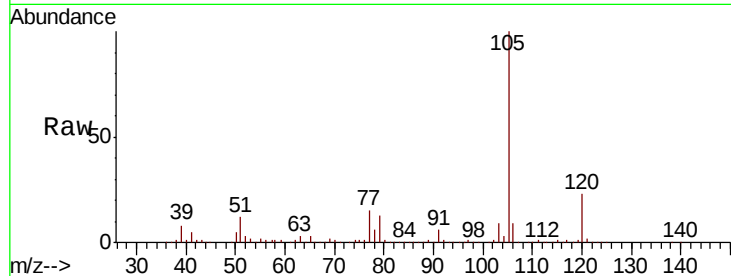
120 23.3 12.3 36.9

Manual Integrations

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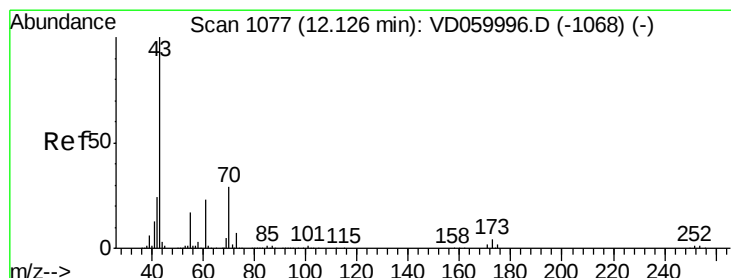
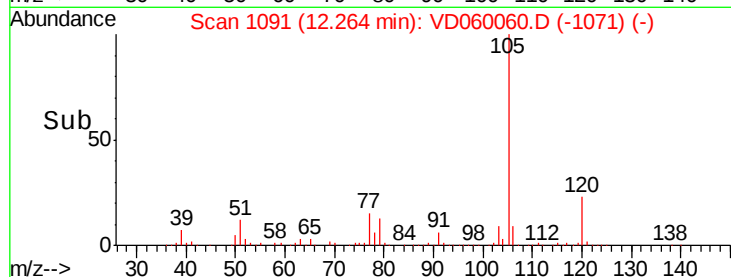
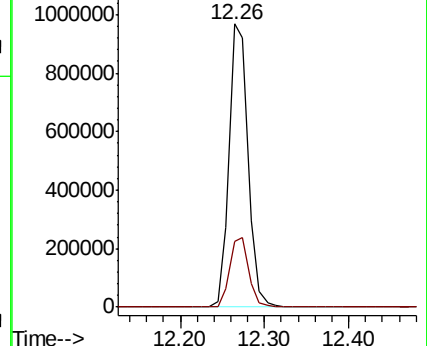
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 62.991 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion: 43 Resp: 638650

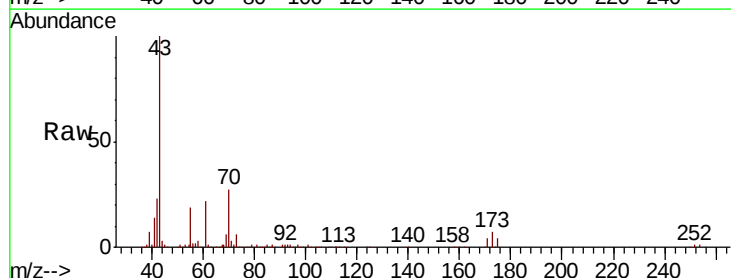
Ion Ratio Lower Upper

43 100

70 27.4 22.9 34.3

55 18.8 14.0 21.0

61 22.1 18.7 28.1

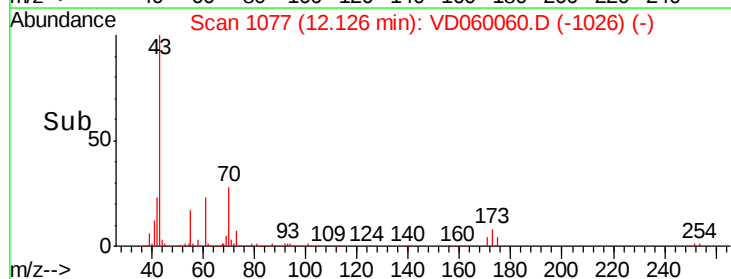
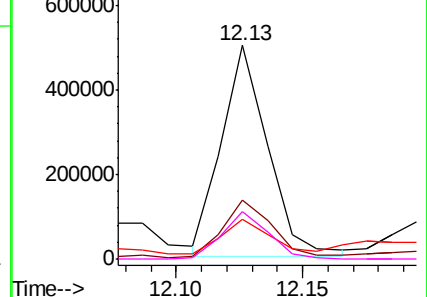


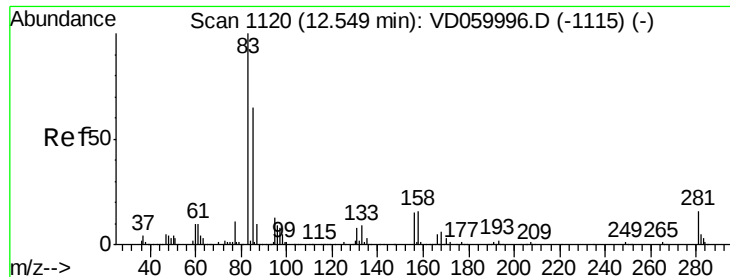
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 75.811 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

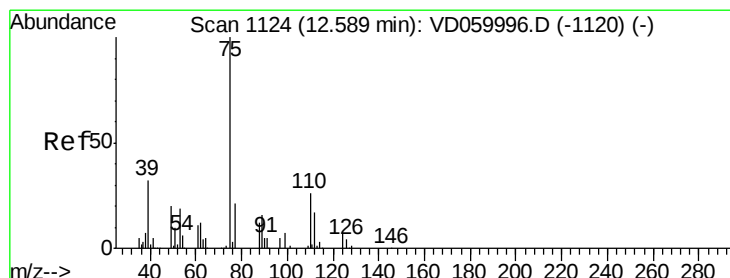
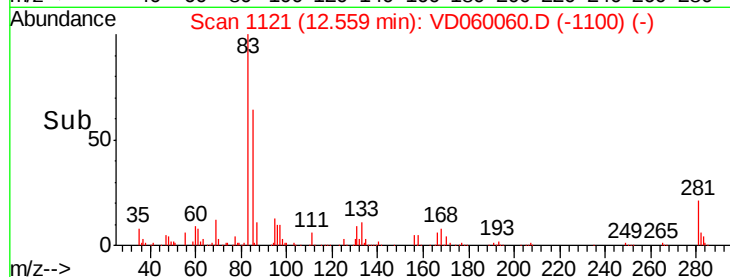
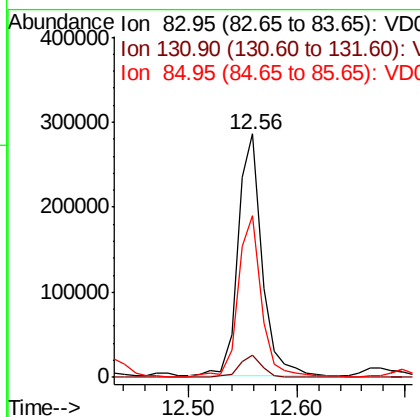
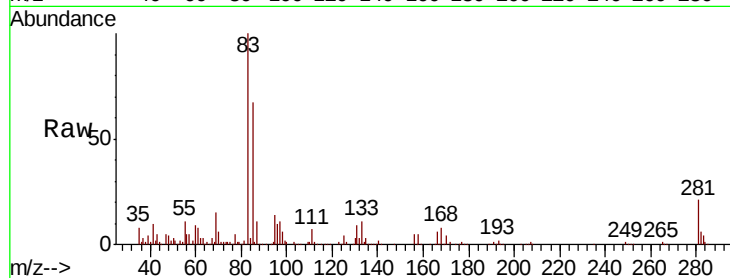
ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion:	83	Resp:	440198
Ion Ratio		Lower	Upper
83	100		
131	9.3	4.1	12.3
85	66.6	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 68.158 ug/l

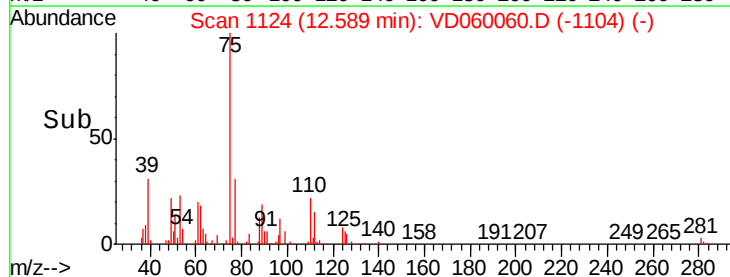
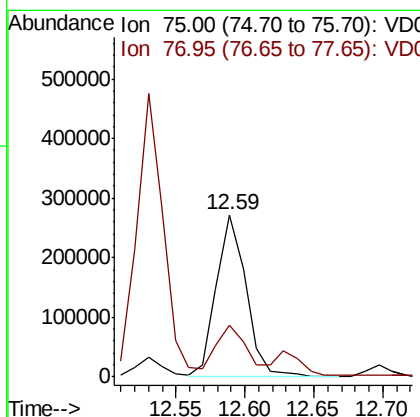
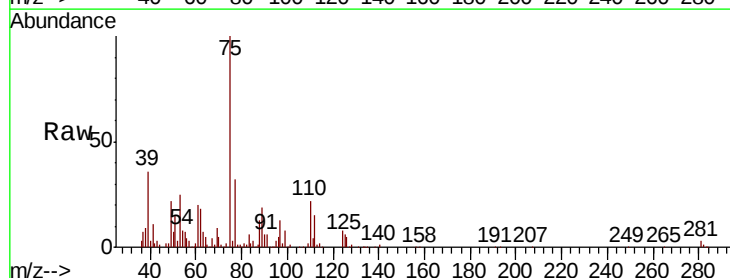
RT: 12.59 min Scan# 1124

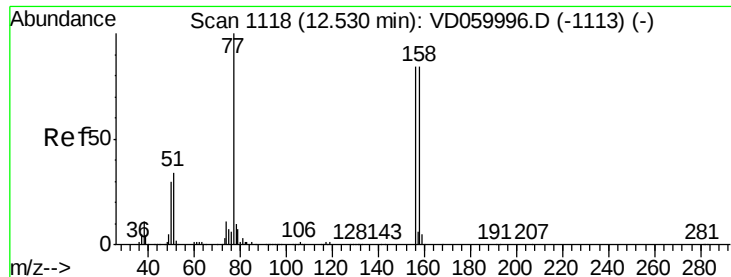
Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion:	75	Resp:	406257
Ion Ratio		Lower	Upper
75	100		
77	31.8	16.4	49.4





#77

Bromobenzene

Concen: 70.601 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

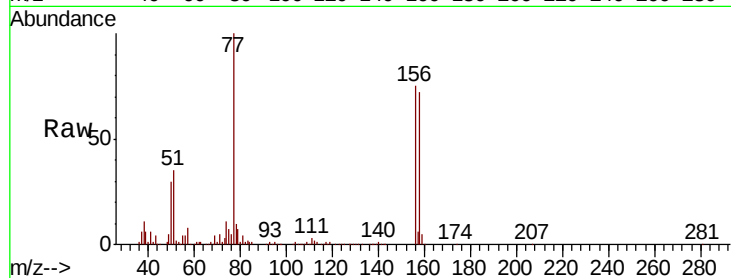
ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.4	59.5	178.4
158	95.7	50.0	149.8

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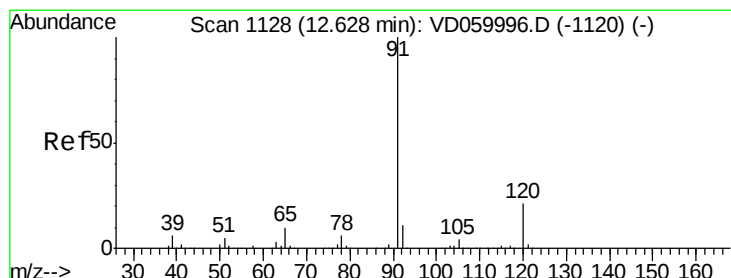
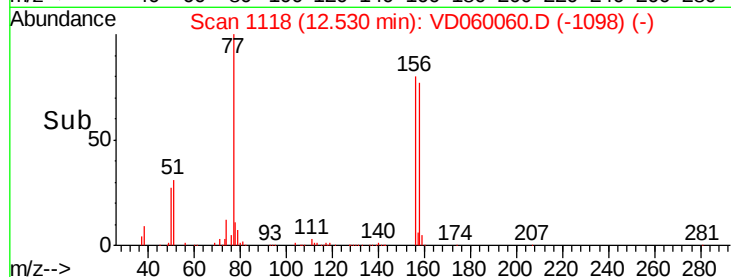
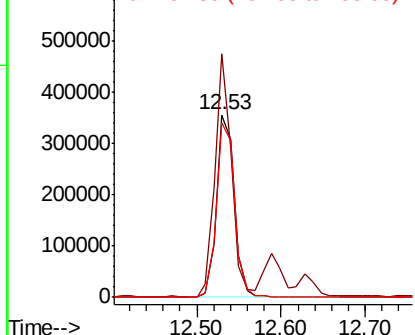
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.418 ug/l

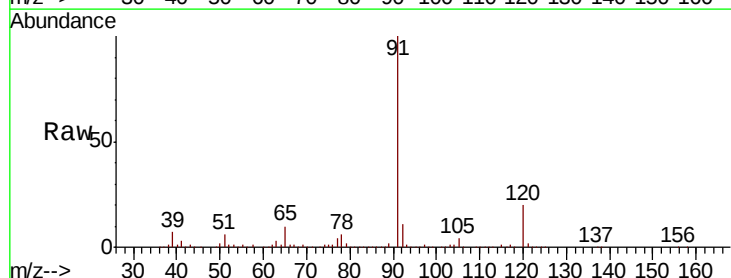
RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD060060.D

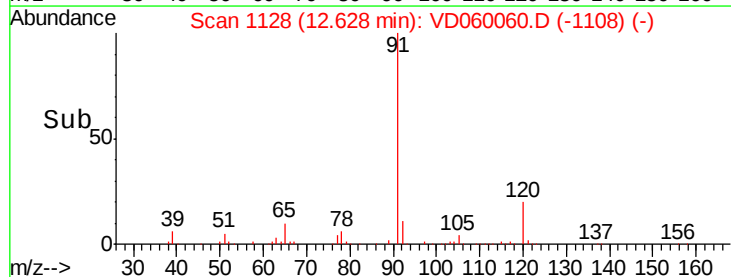
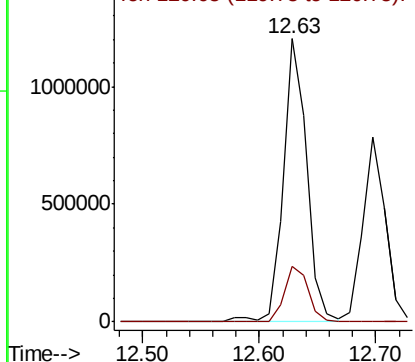
Acq: 20 Sep 2018 20:57

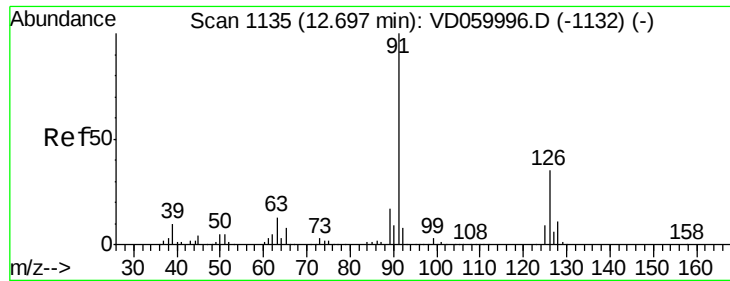
Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.7	10.7	31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





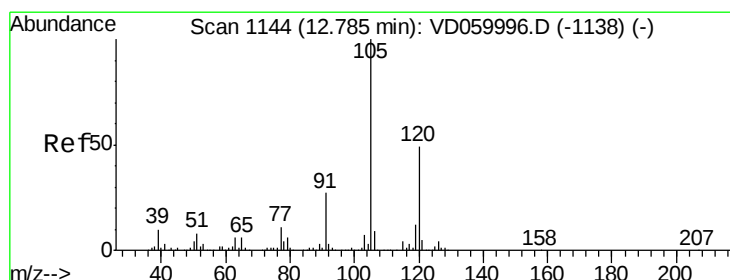
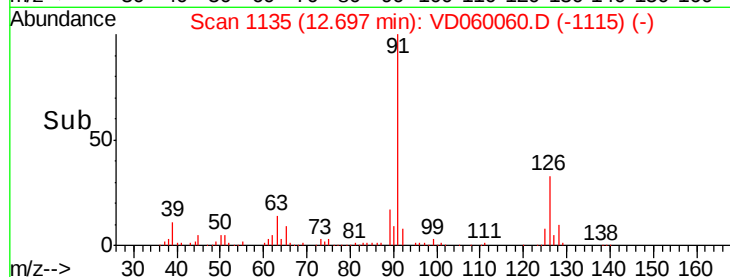
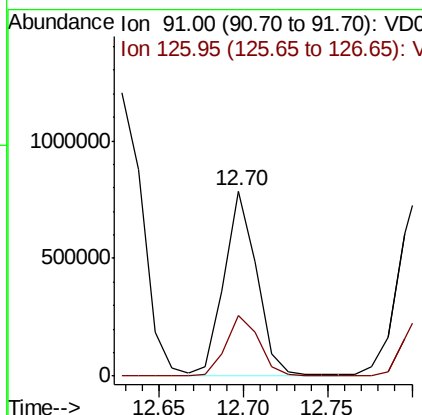
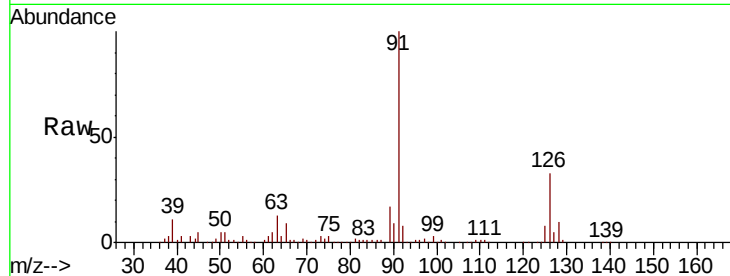
#79
2-Chlorotoluene
Concen: 57.757 ug/l
RT: 12.70 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 91 Resp: 1049276
Ion Ratio Lower Upper
91 100
126 32.7 17.3 52.0

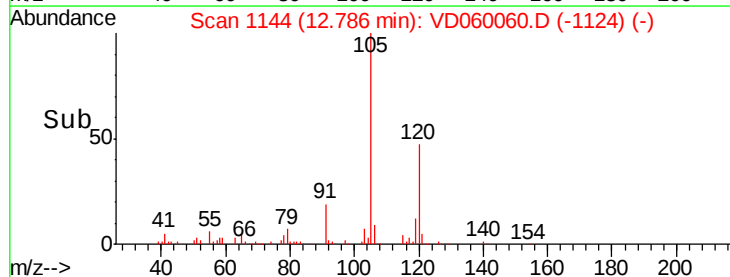
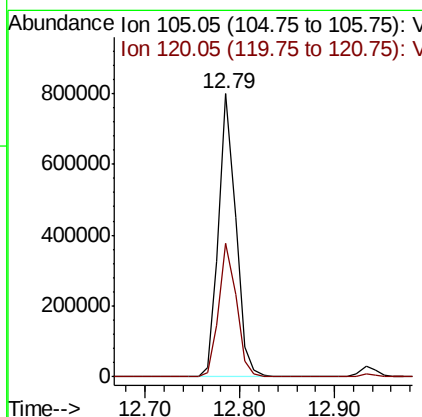
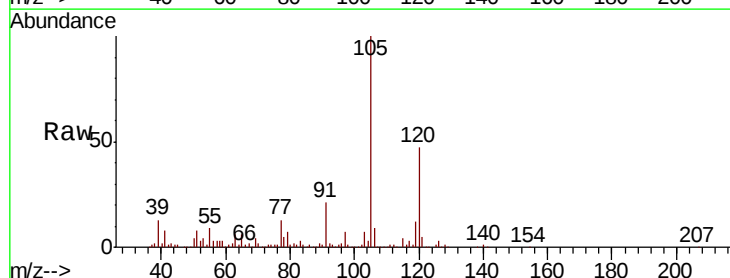
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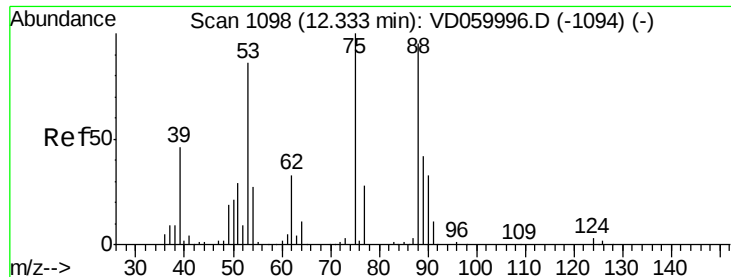
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#80
1,3,5-Trimethylbenzene
Concen: 51.568 ug/l
RT: 12.79 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 105 Resp: 1011673
Ion Ratio Lower Upper
105 100
120 47.1 24.4 73.2





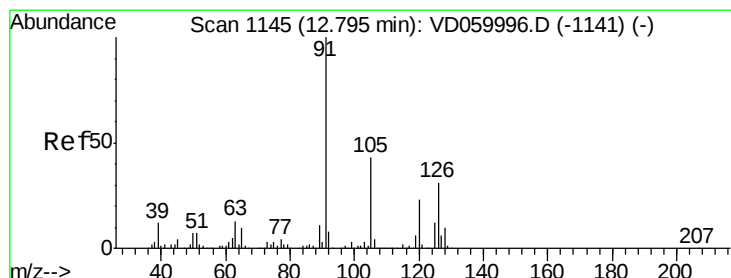
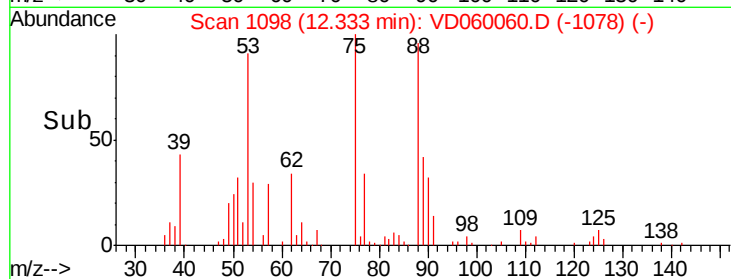
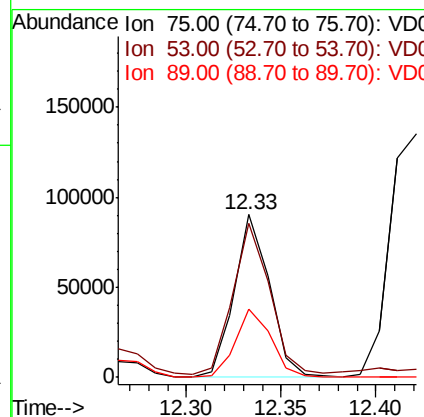
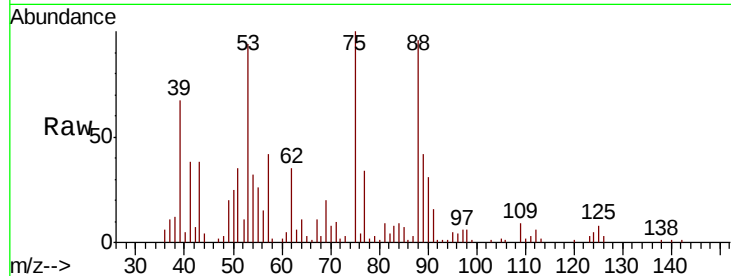
#81
trans-1,4-Dichloro-2-butene
Concen: 64.848 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	68.4	102.6
89	42.1	33.8	50.6

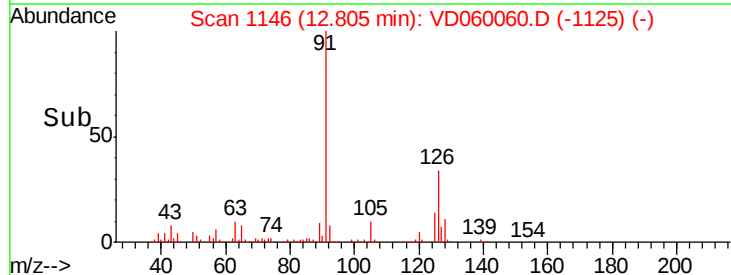
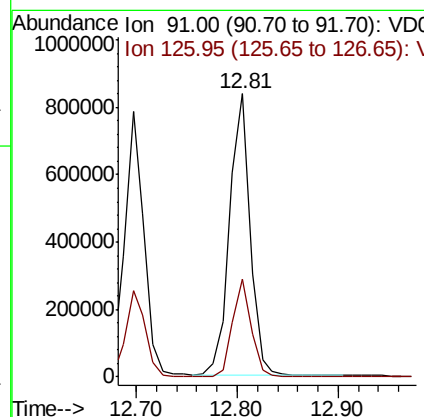
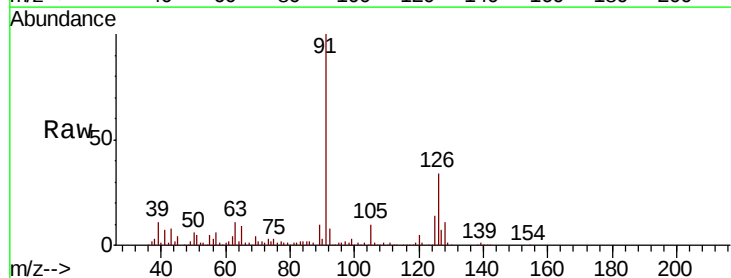
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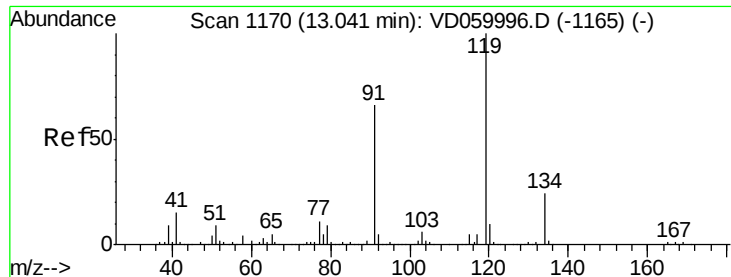
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#82
4-Chlorotoluene
Concen: 59.470 ug/l
RT: 12.81 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	15.4	46.1





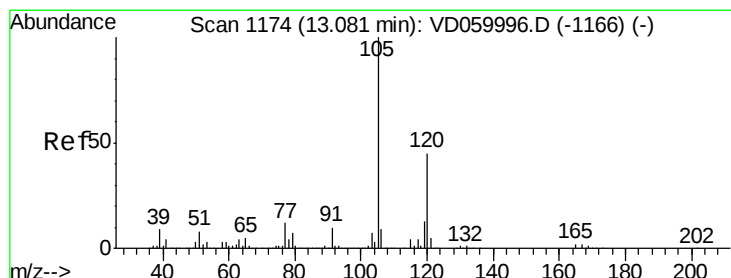
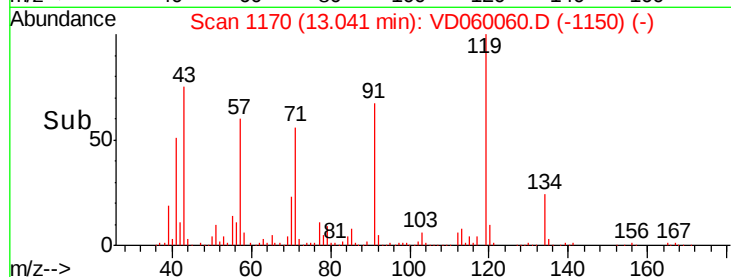
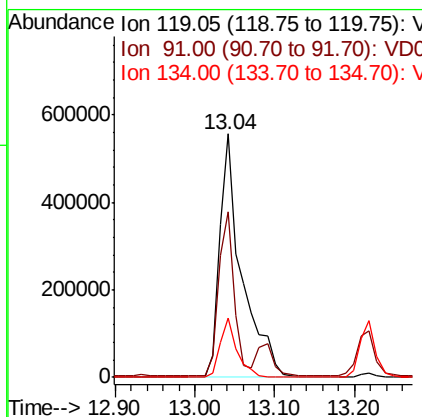
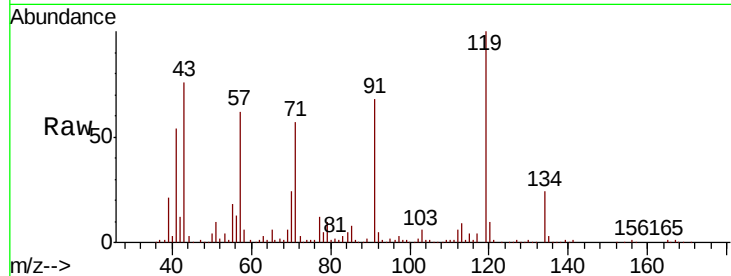
#83
tert-Butylbenzene
Concen: 47.885 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	32.9	98.6
134	24.4	12.0	36.0

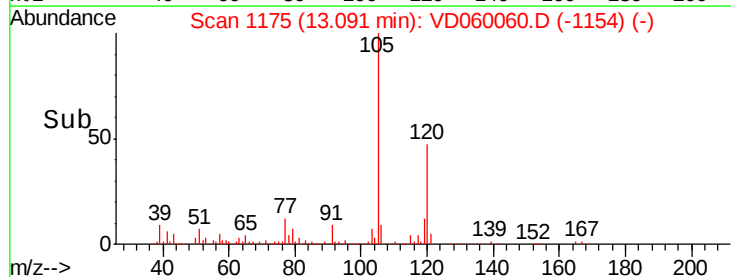
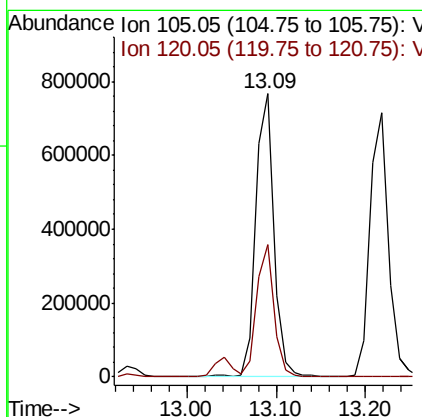
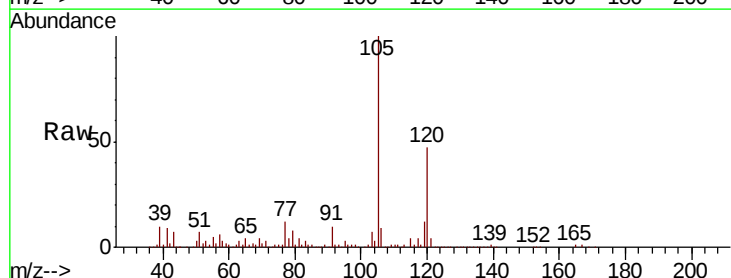
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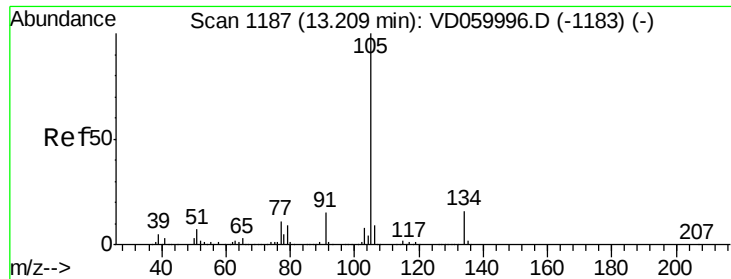
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#84
1,2,4-Trimethylbenzene
Concen: 50.557 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.4	67.0





#85
 sec-Butylbenzene
 Concen: 37.558 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

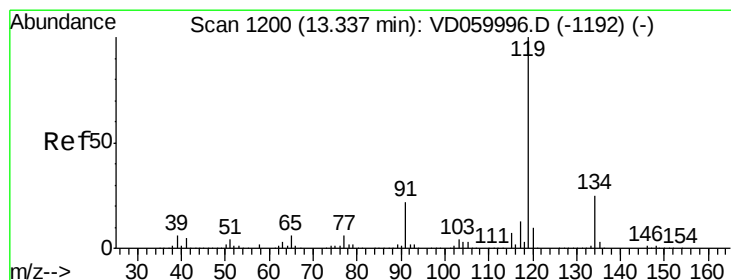
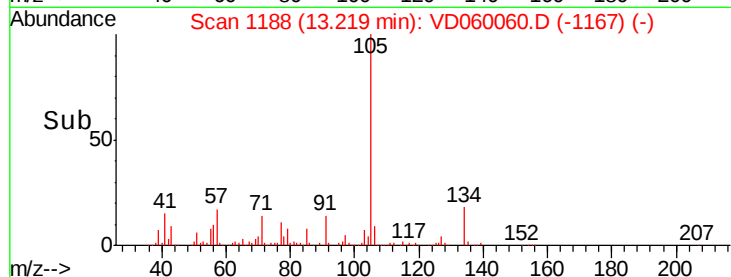
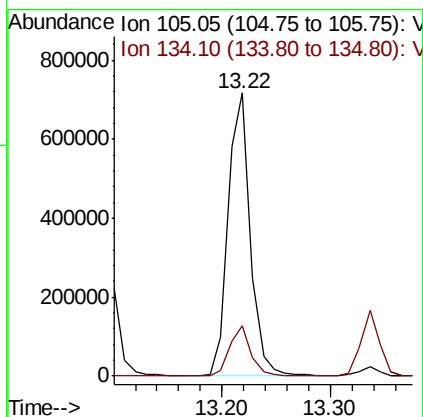
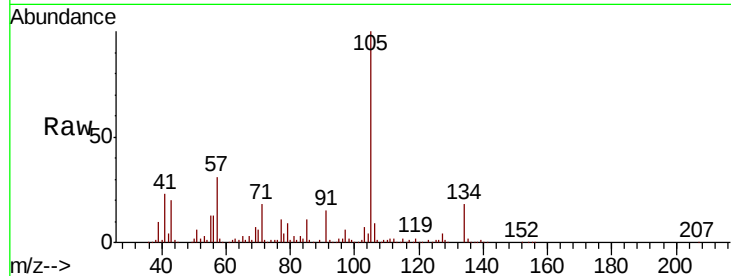
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion:105 Resp: 1013298
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.2 24.6

Manual Integrations
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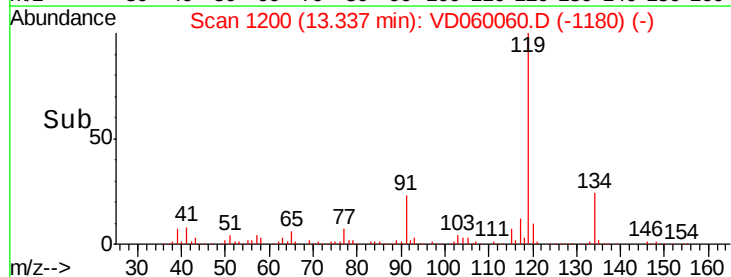
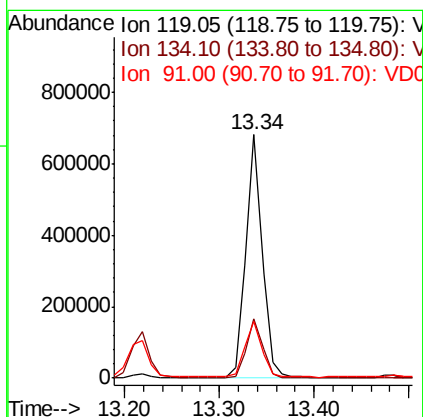
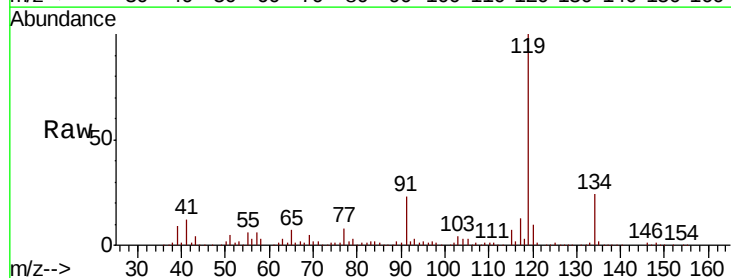
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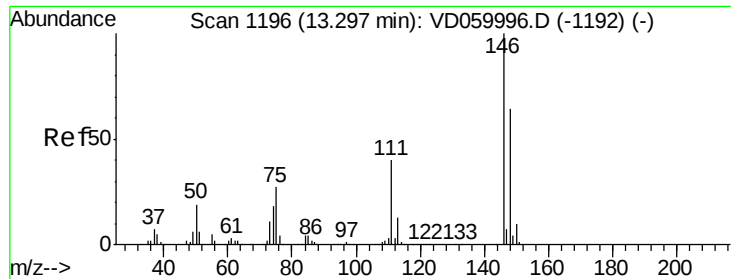
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#86
 p-Isopropyltoluene
 Concen: 37.532 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion:119 Resp: 818963
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.8 38.3
 91 23.4 11.1 33.3





#87
 1,3-Dichlorobenzene
 Concen: 53.152 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

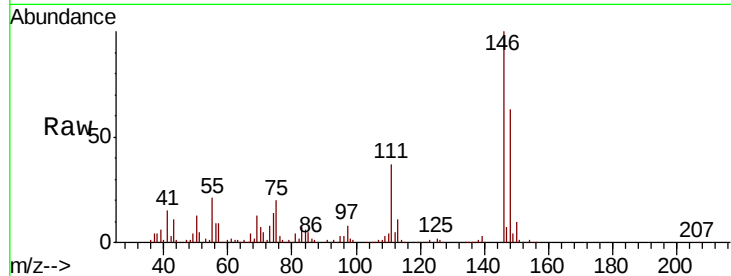
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.2	60.5
148	63.2	32.0	96.2

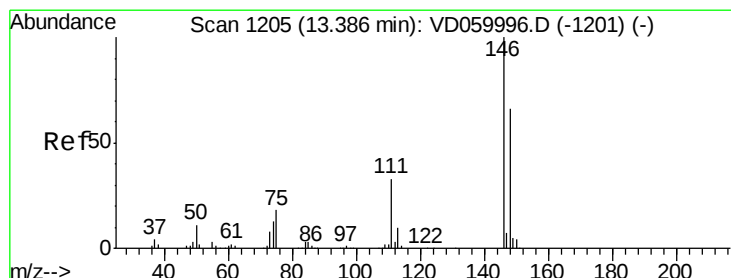
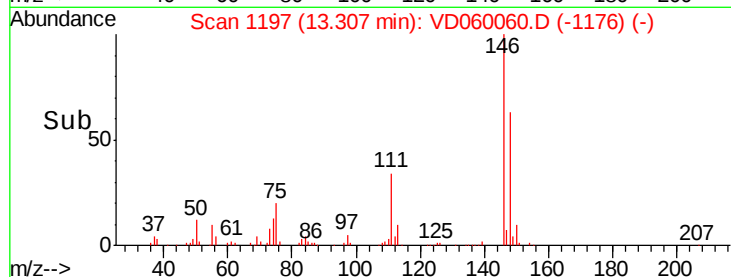
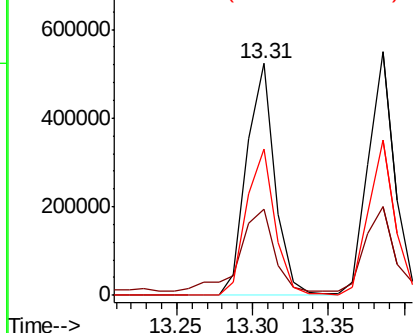
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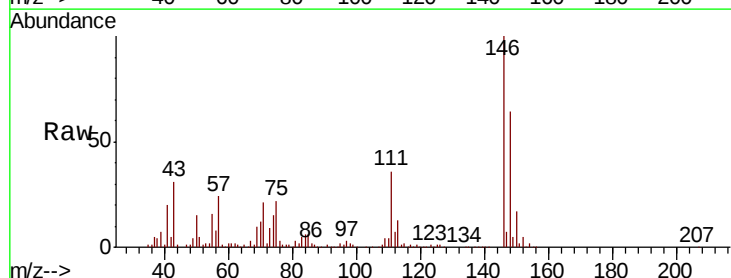


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

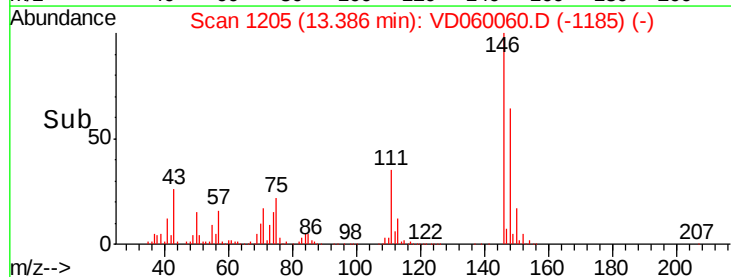
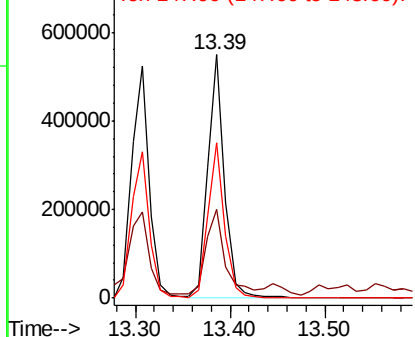


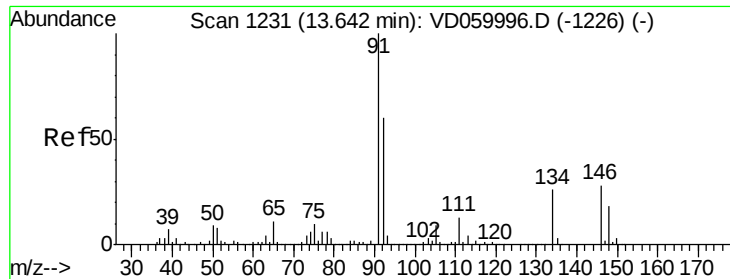
#88
 1,4-Dichlorobenzene
 Concen: 52.203 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	16.7	50.0
148	63.7	32.9	98.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89
n-Butylbenzene
Concen: 32.394 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

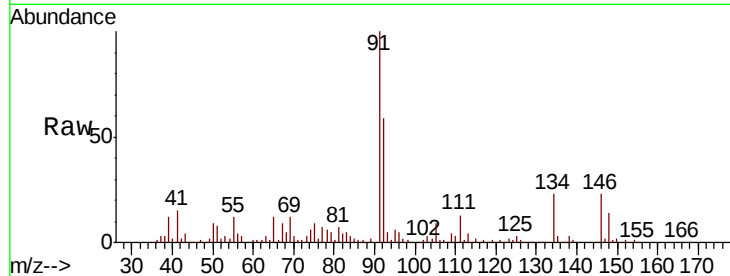
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.2	29.8	89.3
134	23.4	13.2	39.6

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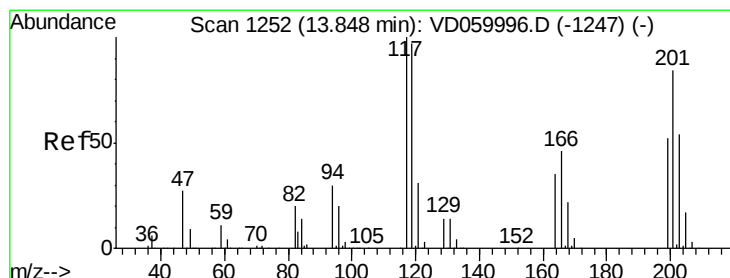
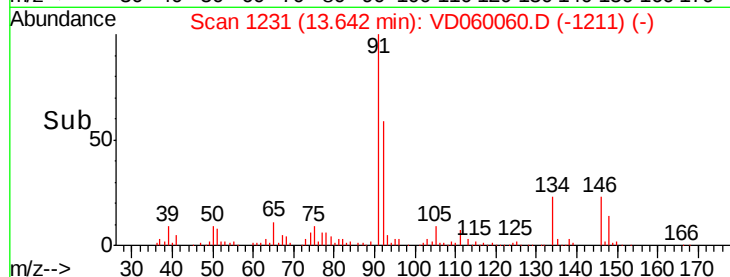
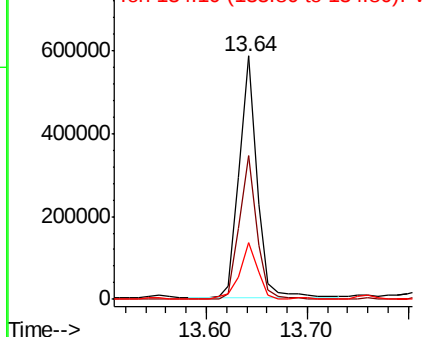


Abundance

Ion 91.00 (90.70 to 91.70): VDC

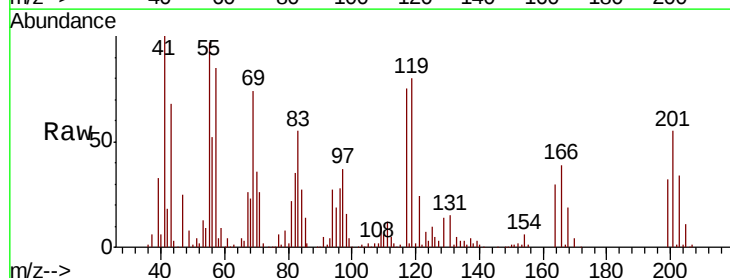
Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90
Hexachloroethane
Concen: 32.720 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

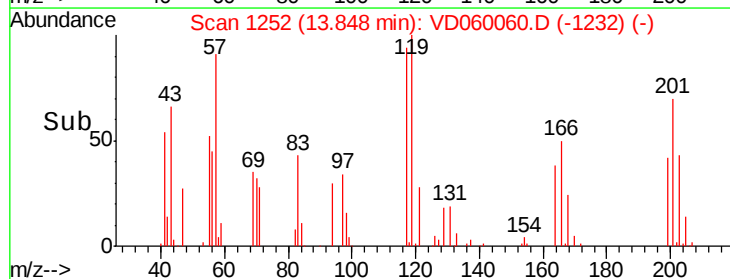
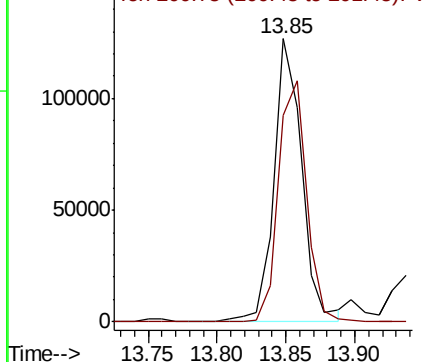
Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	42.1	126.4

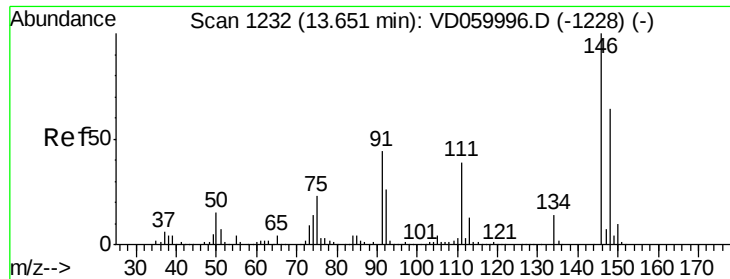


Abundance

Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91
 1,2-Dichlorobenzene
 Concen: 57.903 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

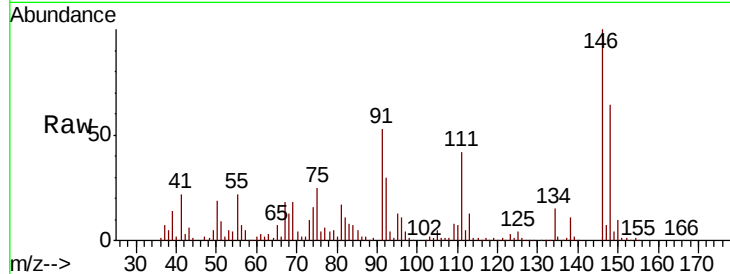
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion:	146	Resp:	583581
Ion Ratio	Lower	Upper	
146	100		
111	41.6	19.6	58.7
148	63.7	31.9	95.7

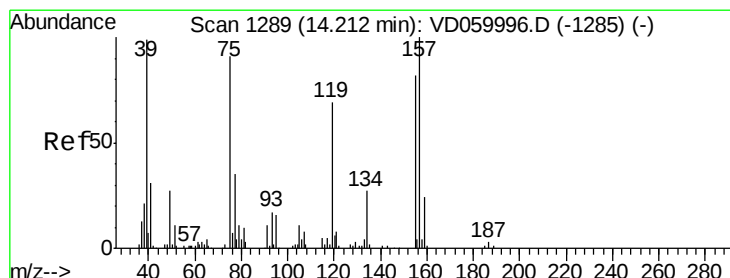
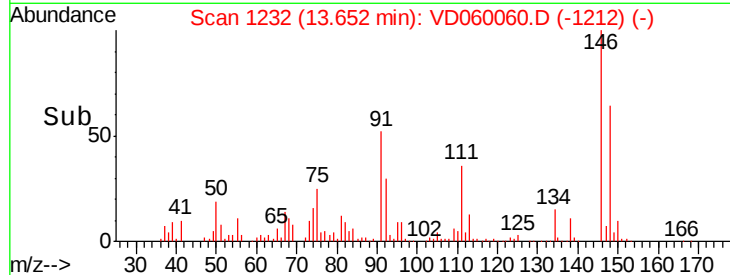
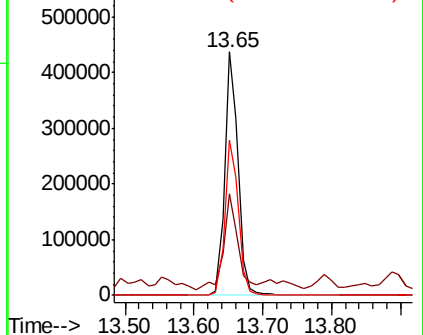
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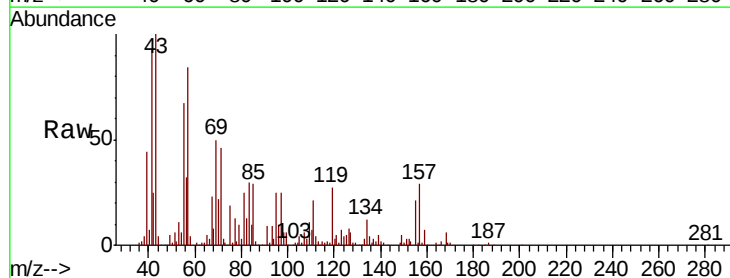


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

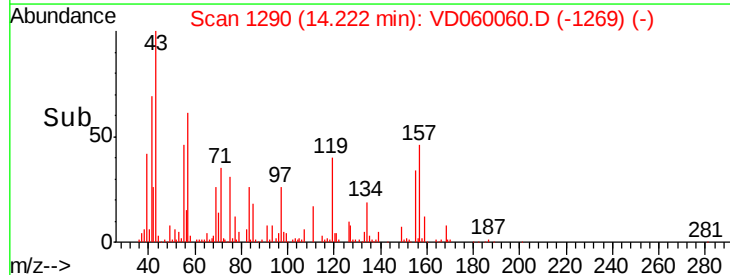
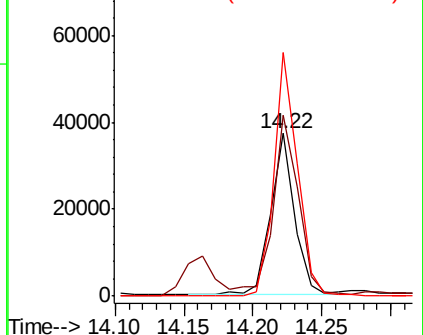


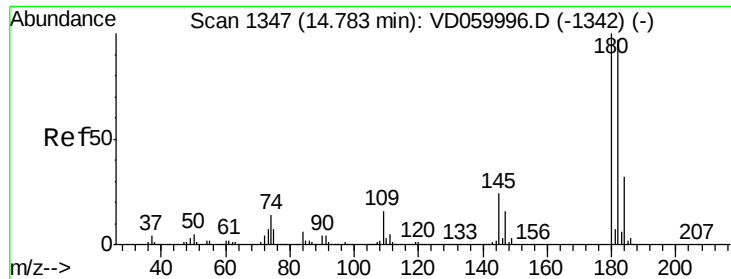
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.642 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion:	75	Resp:	44828
Ion Ratio	Lower	Upper	
75	100		
155	111.3	44.7	134.1
157	149.8	54.7	164.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





#93
 1,2,4-Trichlorobenzene
 Concen: 19.417 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

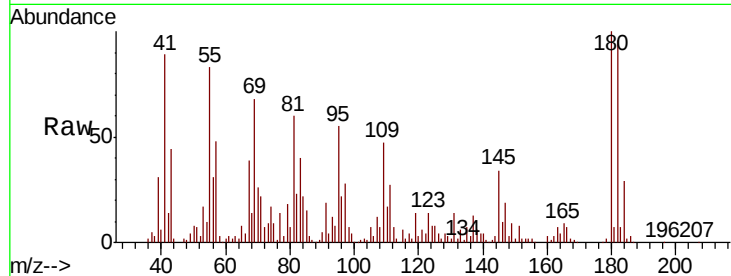
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	177412		
182	96.4	48.5	145.6	
145	33.7	11.9	35.7	

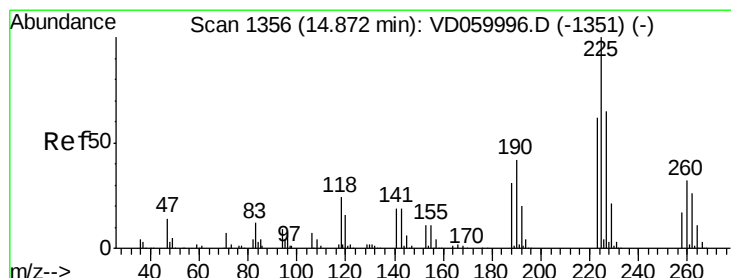
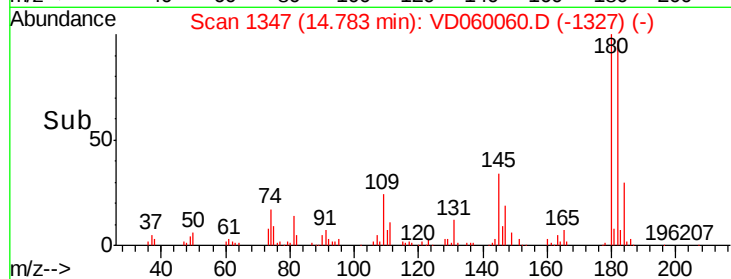
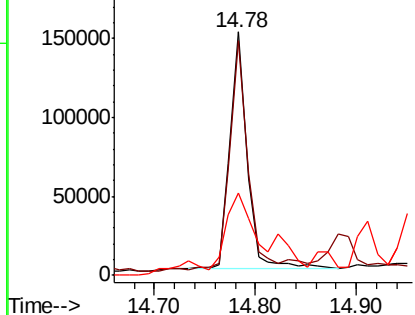
Manual Integrations
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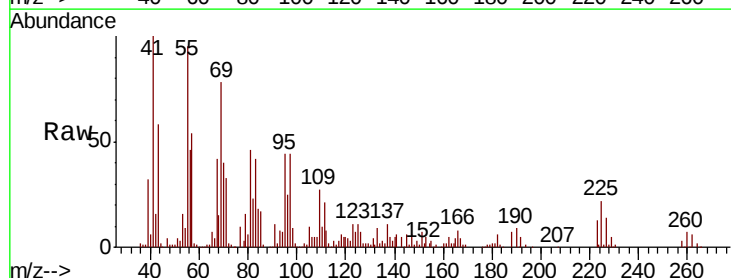


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

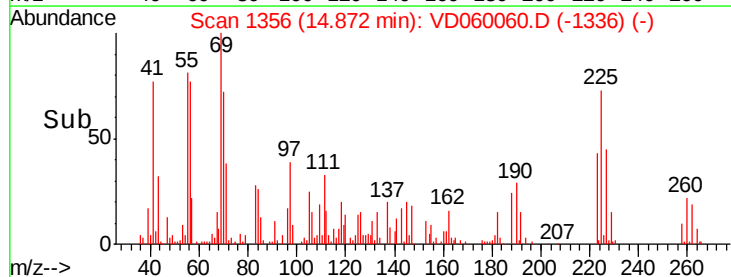
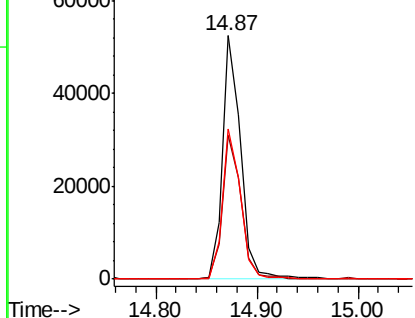


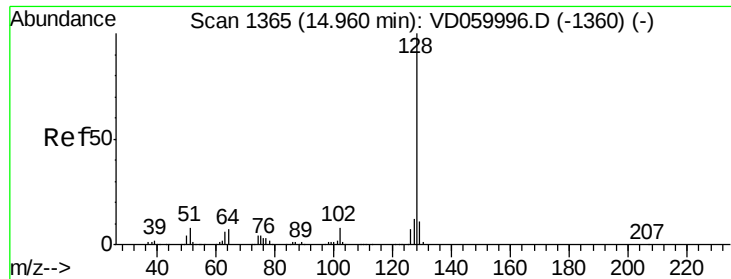
#94
 Hexachlorobutadiene
 Concen: 10.962 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66252		
223	59.2	31.2	93.6	
227	61.8	32.3	96.8	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





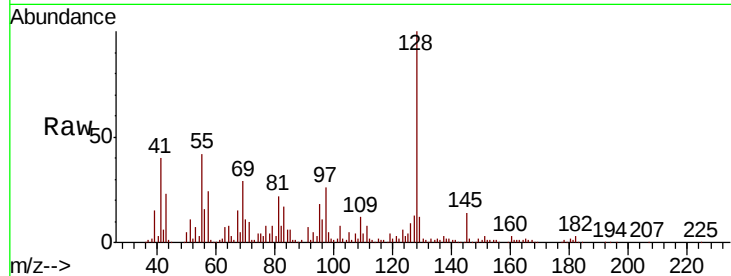
#95
Naphthalene
Concen: 31.728 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.7	14.5
129	12.1	8.9	13.3

Manual Integrations
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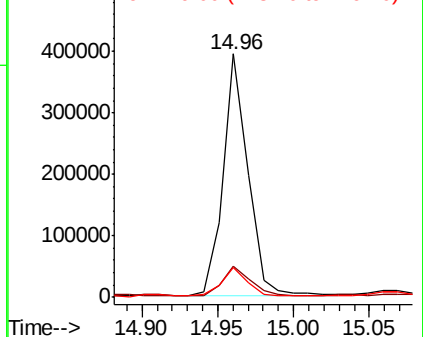


Abundance

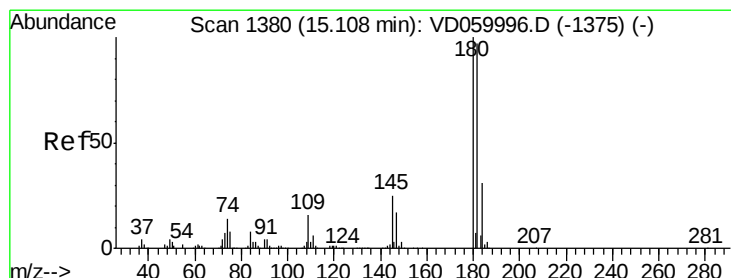
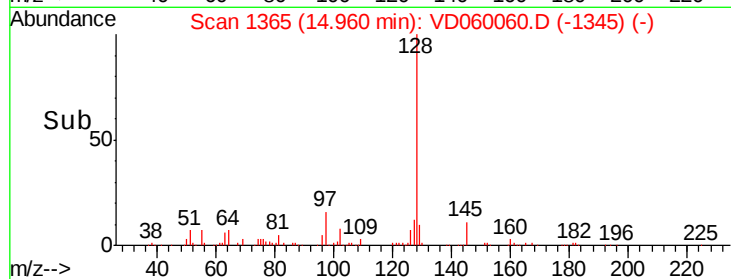
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

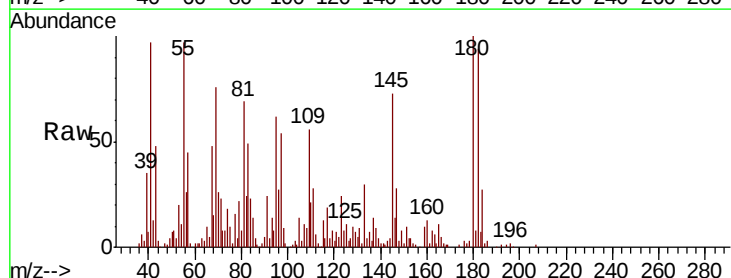


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#96
1,2,3-Trichlorobenzene
Concen: 19.384 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.6	145.9
145	72.8	12.7	38.1#



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

