

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060015.D
 Acq On : 17 Sep 2018 12:20
 Operator : JC/SY
 Sample : VD0917SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Manual Integrations
 APPROVED

apatel
 9/18/2018 12:22:16 PM

Quant Time: Sep 17 14:34:38 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	6.40	168	1532982	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	2073236	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1737895	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	934394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	622992	52.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	6.31	113	817649	50.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	9.45	98	2360582	52.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.42	95	900621	52.52	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	288163	17.81	ug/l	98
3) Chloromethane	1.74	50	303944	21.26	ug/l	99
4) Vinyl Chloride	1.83	62	244390	21.27	ug/l	98
5) Bromomethane	2.12	94	20655	15.19	ug/l	99
6) Chloroethane	2.23	64	62893	24.48	ug/l	99
7) Trichlorofluoromethane	2.48	101	280173	22.15	ug/l	98
8) Diethyl Ether	2.81	74	56802	21.12	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.06	101	176523	22.13	ug/l	100
10) Methyl Iodide	3.23	142	176027	20.83	ug/l	90
11) Tert butyl alcohol	3.96	59	86648	89.83	ug/l #	92
12) 1,1-Dichloroethene	3.05	96	140245	22.23	ug/l	96
13) Acrolein	2.96	56	58322	97.63	ug/l	98
14) Allyl chloride	3.52	41	288594	21.70	ug/l	98
15) Acrylonitrile	4.07	53	372342	102.26	ug/l	97
16) Acetone	3.14	43	261865	113.46	ug/l	96
17) Carbon Disulfide	3.29	76	460574	21.19	ug/l	98
18) Methyl Acetate	3.54	43	93766	19.98	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	601878	20.65	ug/l	99
20) Methylene Chloride	3.69	84	401585	20.15	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	339293	20.50	ug/l	90
22) Diisopropyl ether	4.83	45	1291713	21.29	ug/l	96
23) Vinyl Acetate	4.79	43	3635773	105.77	ug/l	99
24) 1,1-Dichloroethane	4.74	63	564071	20.72	ug/l	99
25) 2-Butanone	5.60	43	696700	111.86	ug/l	100
26) 2,2-Dichloropropane	5.57	77	448389	21.18	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	359807	20.78	ug/l	96
28) Bromochloromethane	5.91	49	267142	20.41	ug/l	99
29) Tetrahydrofuran	5.94	42	336506	100.74	ug/l	99
30) Chloroform	6.08	83	561522	20.33	ug/l	100
31) Cyclohexane	6.35	56	533271	20.09	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	459354	20.06	ug/l	99
36) 1,1-Dichloropropene	6.51	75	439918	21.36	ug/l	98
37) Ethyl Acetate	5.68	43	295621	20.87	ug/l	98
38) Carbon Tetrachloride	6.49	117	409941	21.32	ug/l	98

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Quant Time: Sep 17 14:34:38 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)
39) Methylcyclohexane	8.02	83	498850	21.41	ug/l	98
40) Benzene	6.78	78	1139664	21.71	ug/l	98
41) Methacrylonitrile	5.91	41	149726m	20.19	ug/l	
42) 1,2-Dichloroethane	6.88	62	327193	20.76	ug/l	98
43) Isopropyl Acetate	8.34	43	374839	19.77	ug/l #	99
44) Trichloroethene	7.73	130	340584	21.00	ug/l	98
45) 1,2-Dichloropropane	8.09	63	301711	21.50	ug/l	99
46) Dibromomethane	8.21	93	188026	20.53	ug/l	93
47) Bromodichloromethane	8.49	83	416245	21.08	ug/l	99
48) Methyl methacrylate	8.24	41	213731	20.24	ug/l	98
49) 1,4-Dioxane	8.22	88	39687	378.36	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	1526098	110.38	ug/l	98
52) Toluene	9.54	92	720388	21.41	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	377986	20.53	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	456671	20.76	ug/l	96
55) 1,1,2-Trichloroethane	10.18	97	234708	20.09	ug/l	97
56) Ethyl methacrylate	10.03	69	262135	20.23	ug/l	98
57) 1,3-Dichloropropane	10.37	76	356575	20.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	701791	112.16	ug/l	99
59) 2-Hexanone	10.48	43	1109141	111.56	ug/l	97
60) Dibromochloromethane	10.63	129	296928	20.88	ug/l	98
61) 1,2-Dibromoethane	10.75	107	248410	20.60	ug/l	93
64) Tetrachloroethene	10.25	164	312309	20.37	ug/l	98
65) Chlorobenzene	11.31	112	794064	21.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	272301	21.61	ug/l	99
67) Ethyl Benzene	11.43	91	1331437	22.14	ug/l	99
68) m/p-Xylenes	11.57	106	1035074	46.61	ug/l	97
69) o-Xylene	11.93	106	481953	21.90	ug/l	98
70) Styrene	11.95	104	825983	22.33	ug/l	96
71) Bromoform	12.12	173	206351	19.06	ug/l	97
73) Isopropylbenzene	12.27	105	1297940	21.18	ug/l	99
74) N-amyl acetate	12.13	43	483585	19.92	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	288720	20.77	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	288507	20.22	ug/l	96
77) Bromobenzene	12.54	156	372731	21.11	ug/l	94
78) n-propylbenzene	12.64	91	1665959	21.62	ug/l	99
79) 2-Chlorotoluene	12.71	91	905158	20.81	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1030699	21.94	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	82599	19.17	ug/l	97
82) 4-Chlorotoluene	12.81	91	1012904	21.18	ug/l	98
83) tert-Butylbenzene	13.04	119	1143914	21.02	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1085789	21.66	ug/l	100
85) sec-Butylbenzene	13.22	105	1392371	21.56	ug/l	98
86) p-Isopropyltoluene	13.34	119	1151667	22.04	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	670239	21.83	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	659041	21.17	ug/l	97
89) n-Butylbenzene	13.64	91	1188529	21.14	ug/l	96
90) Hexachloroethane	13.86	117	263725	20.38	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	576993	20.30	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	38023	17.94	ug/l	97

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.78	180	455454	20.82	ug/l	98
94) Hexachlorobutadiene	14.88	225	309098	21.36	ug/l	99
95) Naphthalene	14.96	128	664429	19.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	390347	20.25	ug/l	97

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

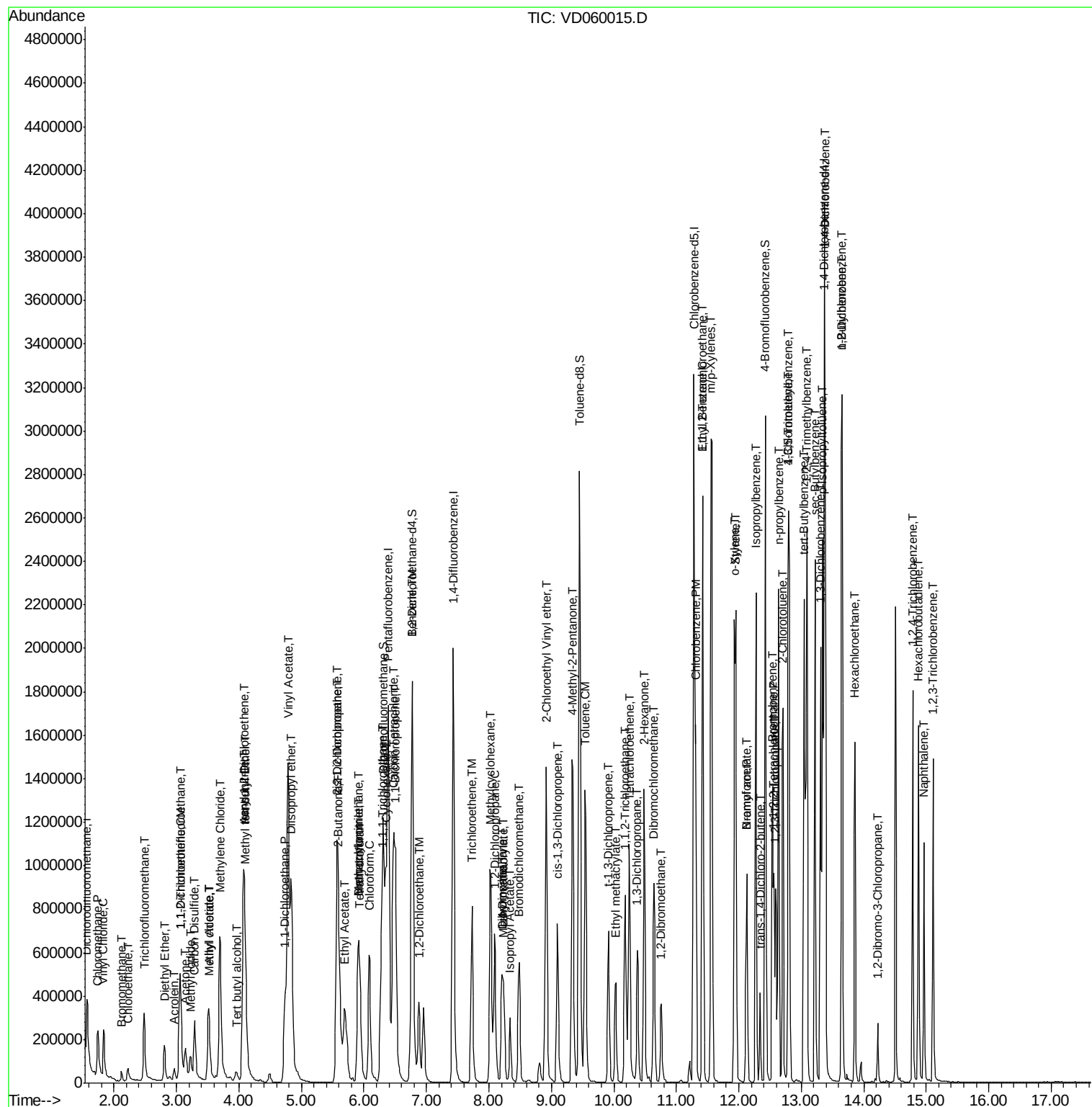
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Data File : VD060015.D
Acq On : 17 Sep 2018 12:20
Operator : JC/SY
Sample : VD0917SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
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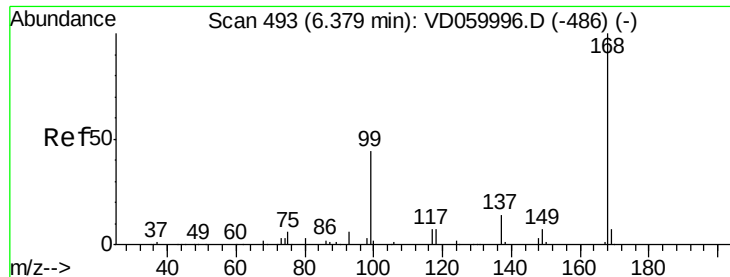
Instrument :
MSVOA_D
ClientSampleID :
VD0917SBSD01

Manual Integrations
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9/18/2018 12:22:16 PM

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBSD01

Tot Ion:168 Resp: 1532982

Ion Ratio Lower Upper

168 100

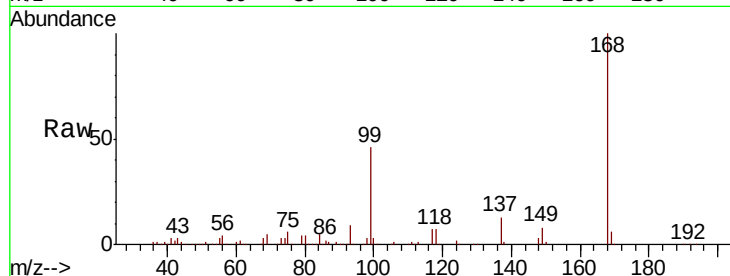
99 46.5 38.5 57.7

Manual Integrations

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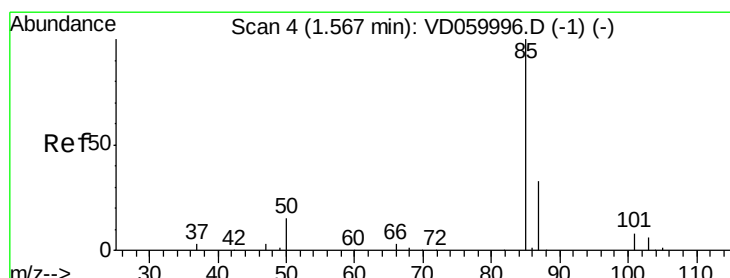
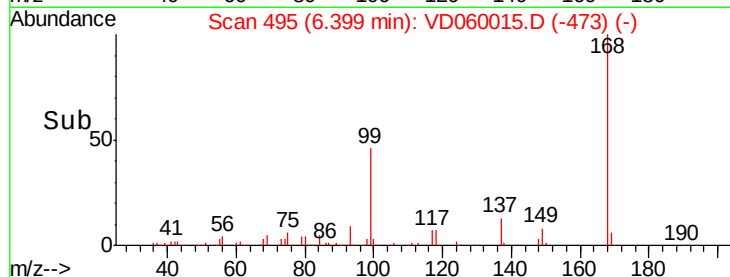
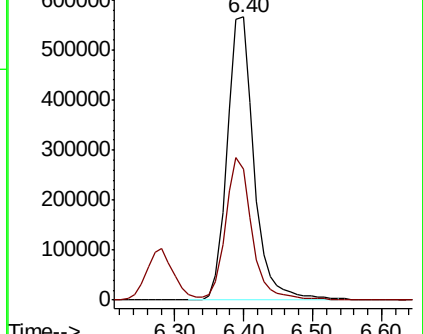
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.81 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060015.D

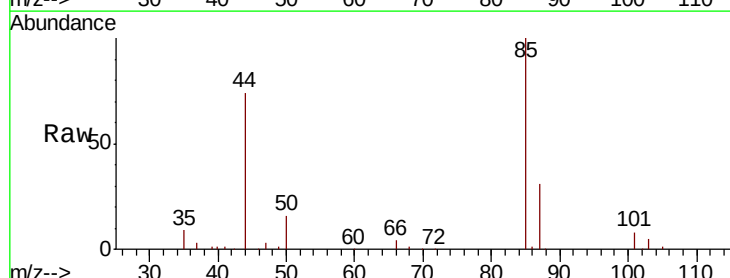
Acq: 17 Sep 2018 12:20

Tgt Ion: 85 Resp: 288163

Ion Ratio Lower Upper

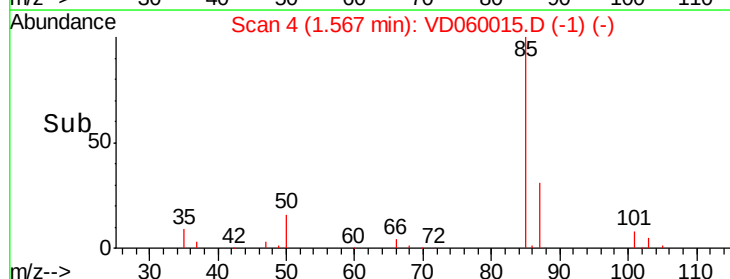
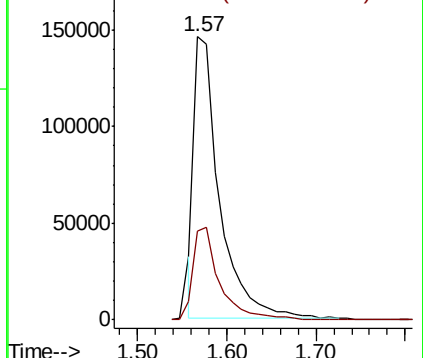
85 100

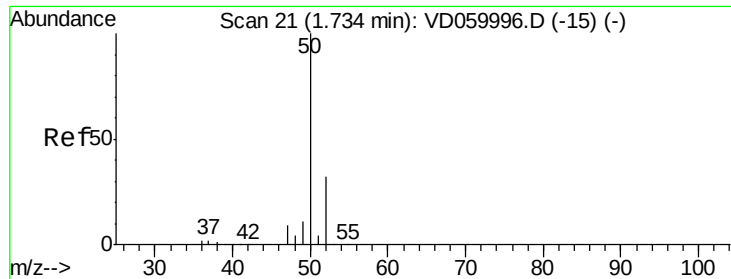
87 31.4 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.26 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBSD01

Tot Ion: 50 Resp: 303944

Ion Ratio Lower Upper

50 100

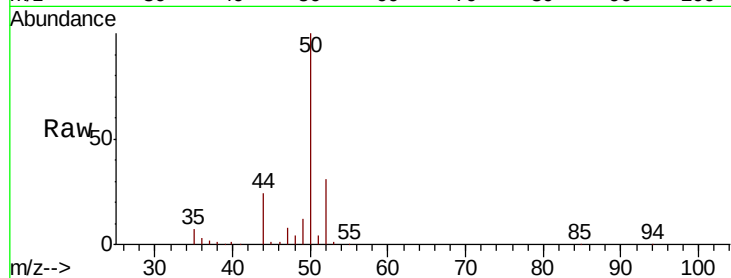
52 31.2 25.4 38.2

Manual Integrations

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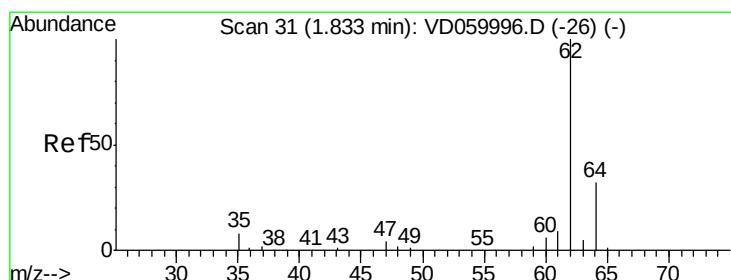
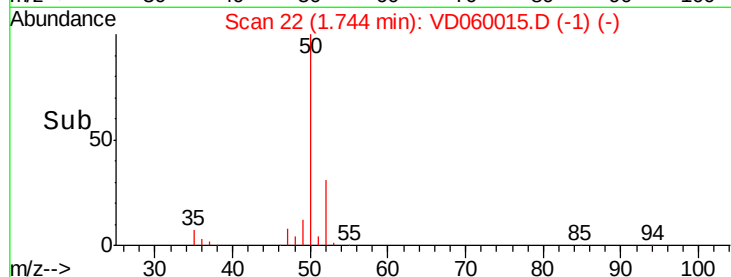
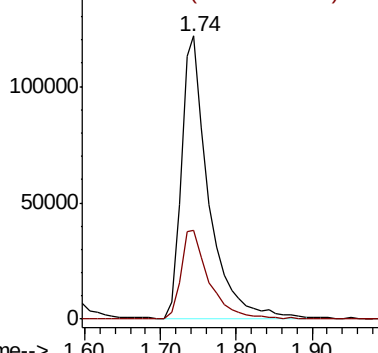
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.27 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060015.D

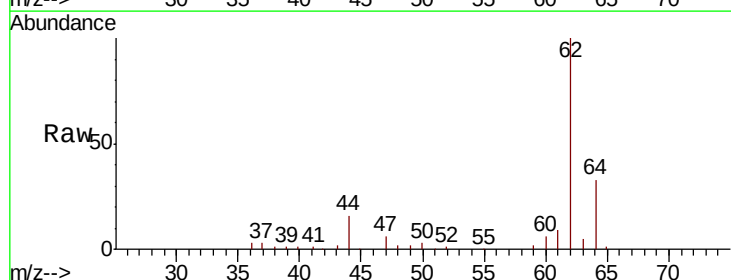
Acq: 17 Sep 2018 12:20

Tgt Ion: 62 Resp: 244390

Ion Ratio Lower Upper

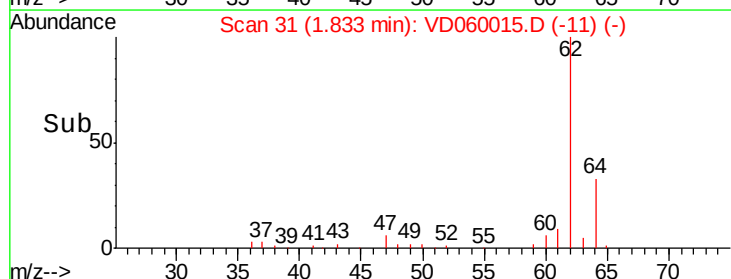
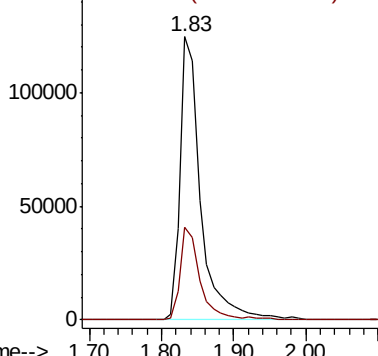
62 100

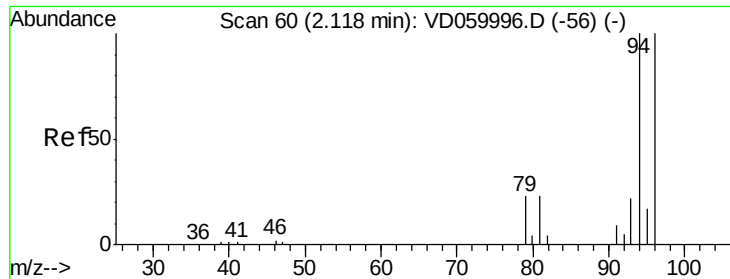
64 32.8 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.19 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 94 Resp: 20655

Ion Ratio Lower Upper

94 100

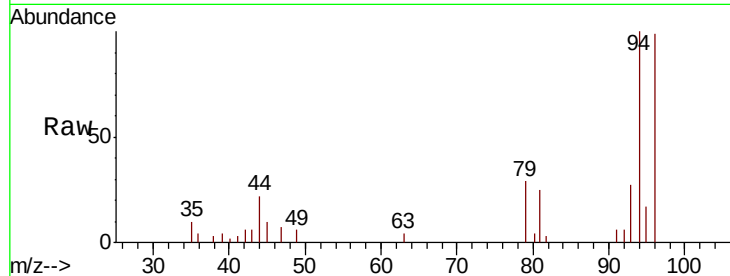
96 99.0 79.8 119.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

15000

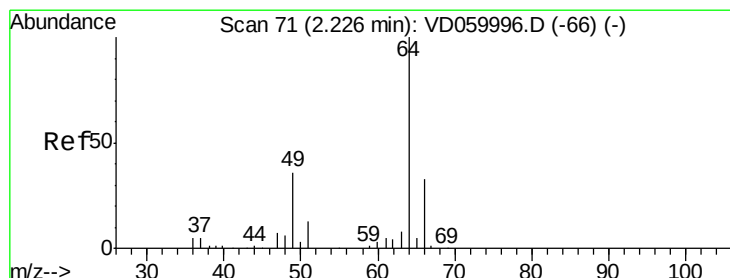
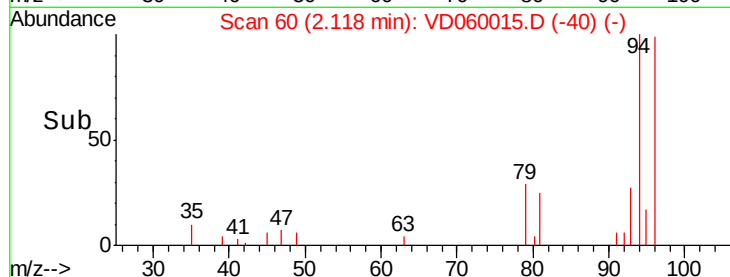
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5000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 24.48 ug/l

RT: 2.23 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD060015.D

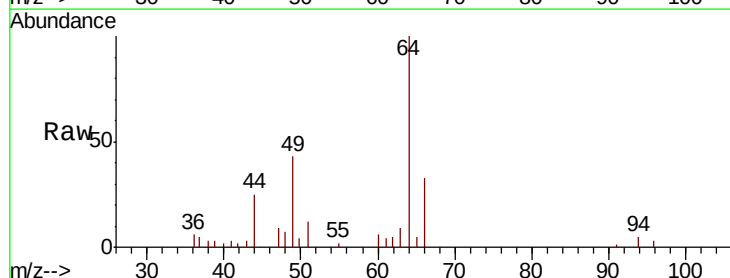
Acq: 17 Sep 2018 12:20

Tgt Ion: 64 Resp: 62893

Ion Ratio Lower Upper

64 100

66 32.6 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

25000

20000

15000

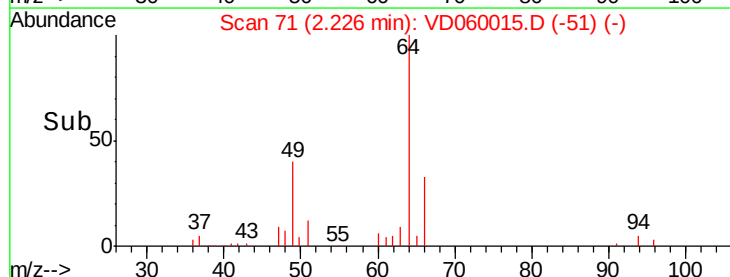
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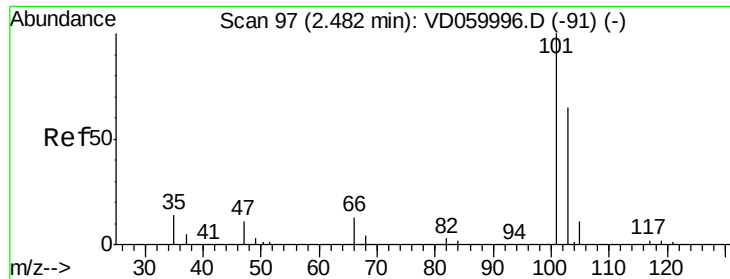
5000

0

Time-->

2.10 2.20 2.30 2.40





#7

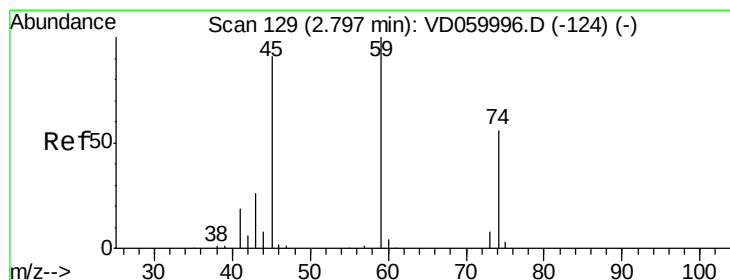
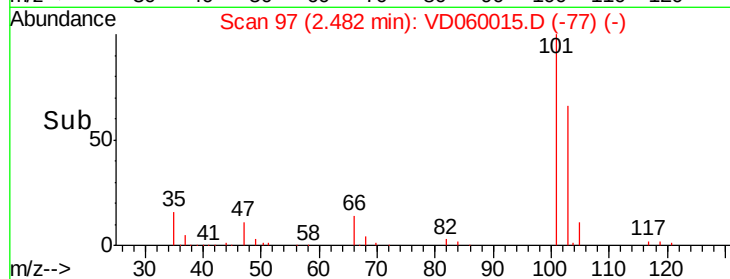
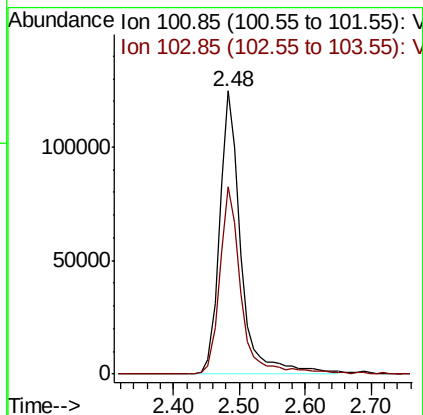
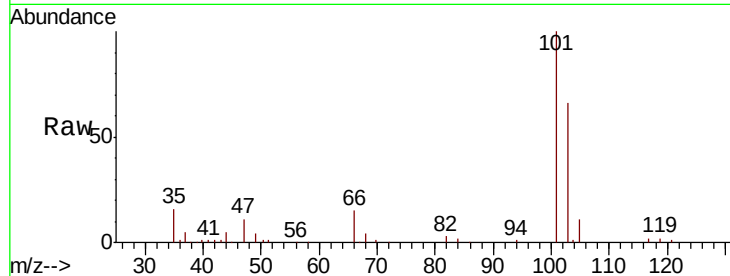
Trichlorofluoromethane
 Concen: 22.15 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	280173		
103	66.3	51.6	77.4	

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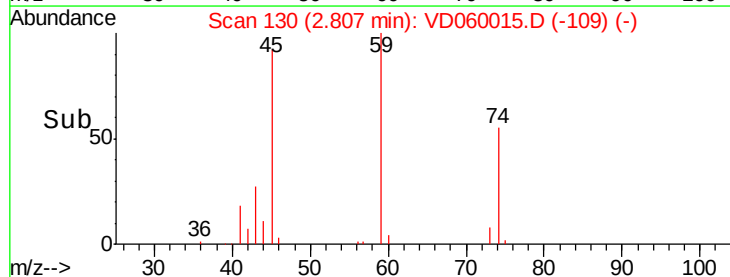
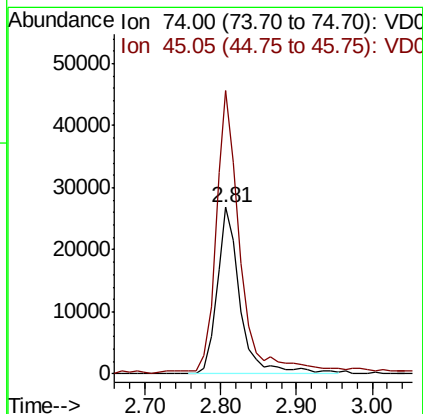
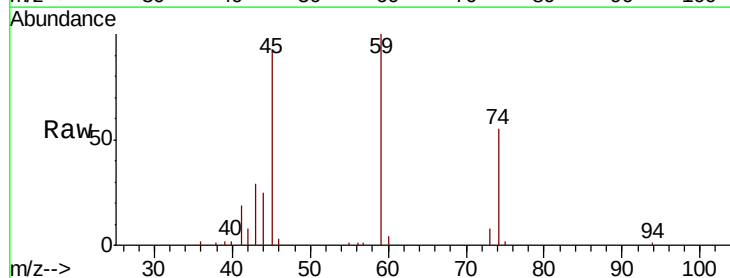
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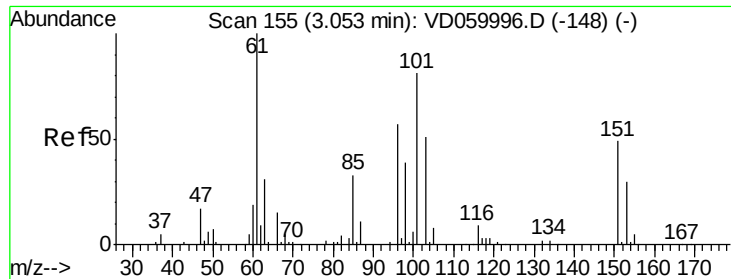


#8

Diethyl Ether
 Concen: 21.12 ug/l
 RT: 2.81 min Scan# 130
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56802		
45	169.8	81.2	243.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.13 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

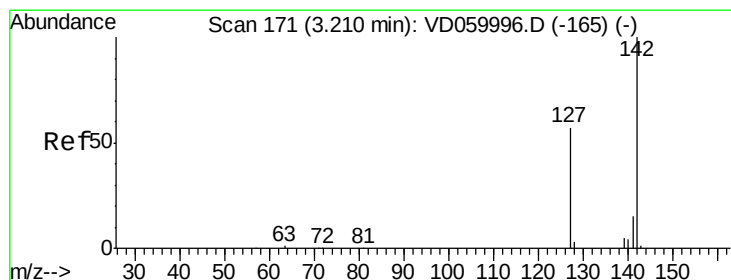
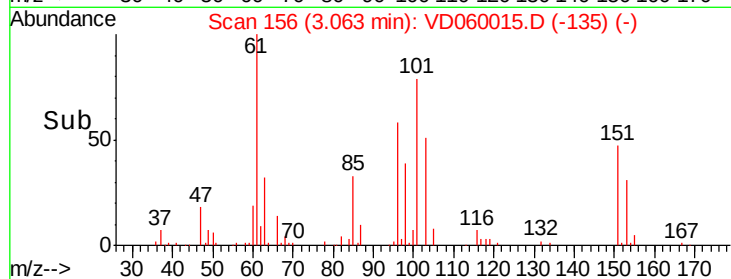
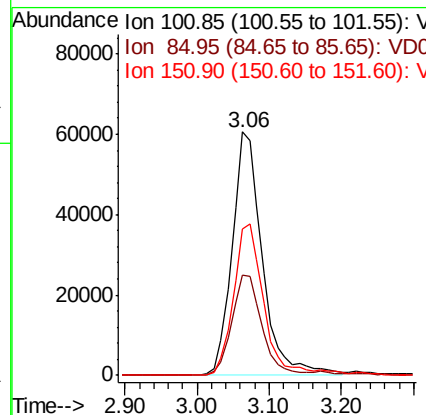
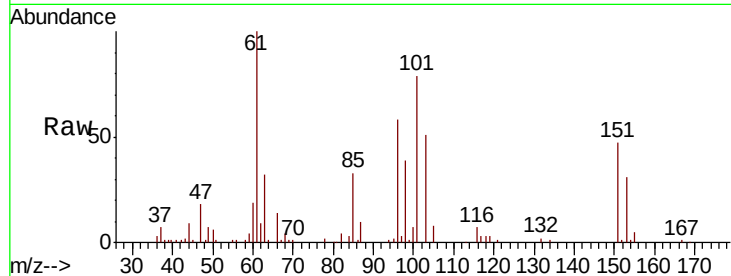
ClientSampleId :

VD0917SBS01

Tot Ion:	101	Resp:	176523
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.1	49.7
151	59.9	48.2	72.4

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#10

Methyl Iodide

Concen: 20.83 ug/l

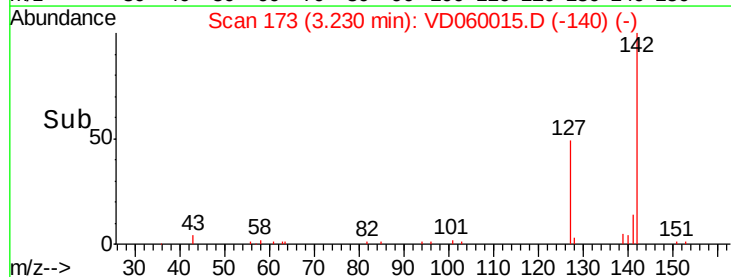
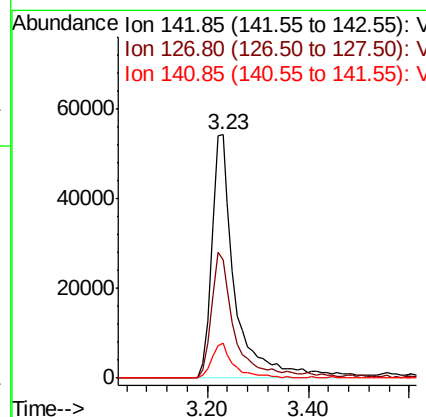
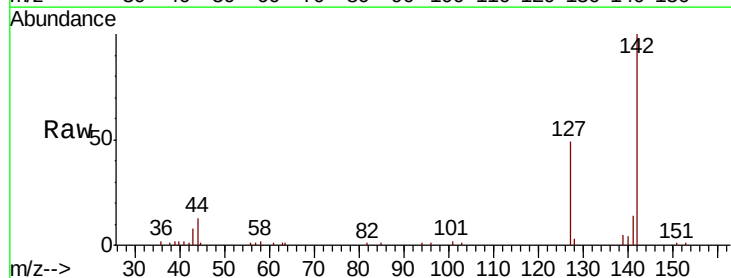
RT: 3.23 min Scan# 173

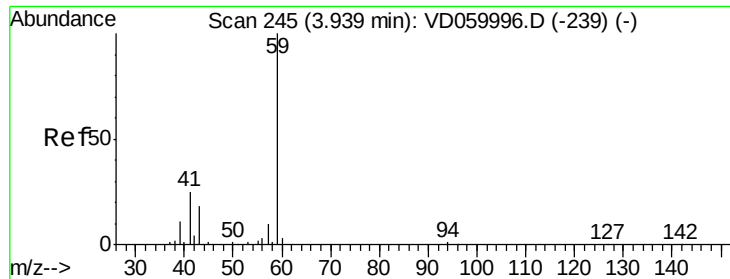
Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion:	142	Resp:	176027
Ion Ratio	Lower	Upper	
142	100		
127	48.6	45.8	68.8
141	14.1	12.2	18.4





#11

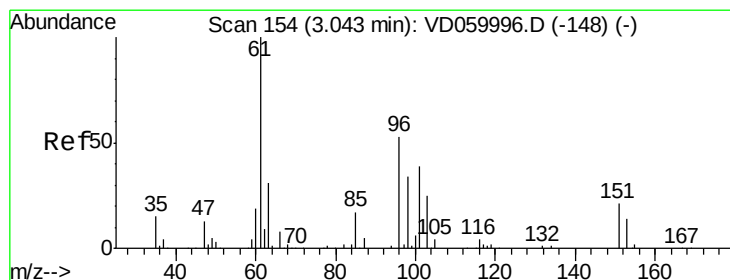
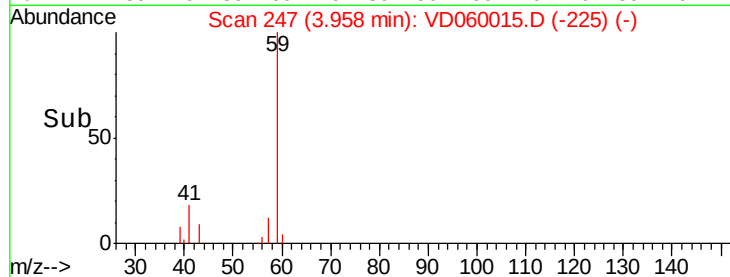
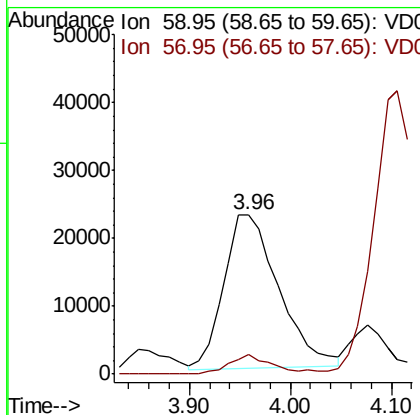
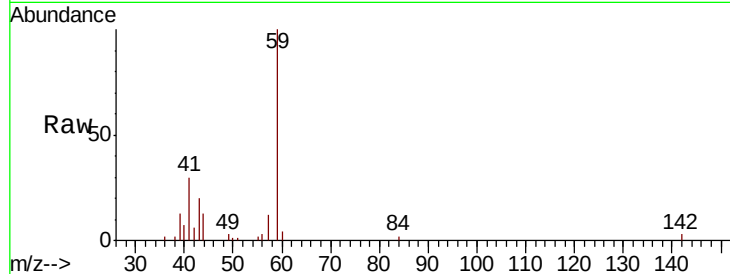
Tert butyl alcohol
 Concen: 89.83 ug/l
 RT: 3.96 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	59	Resp	86648
Ion Ratio	100	Lower	Upper
57	12.1	7.4	11.2#

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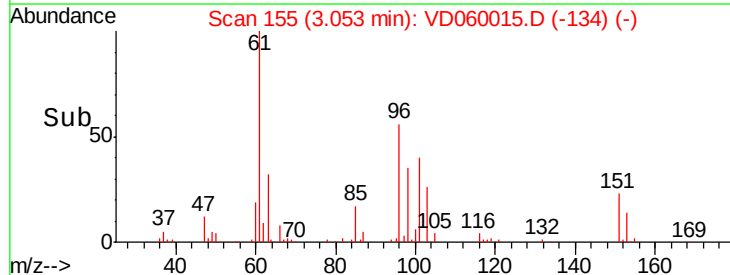
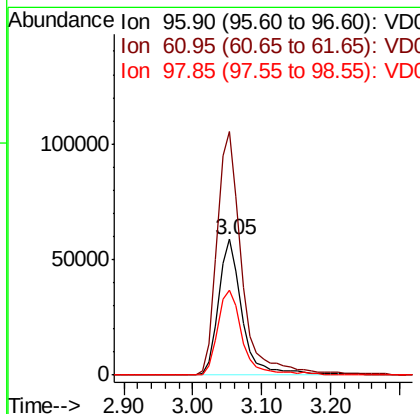
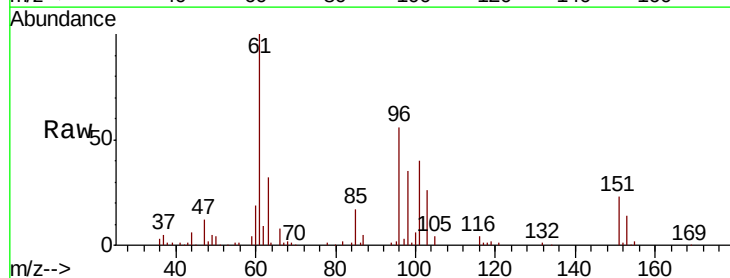
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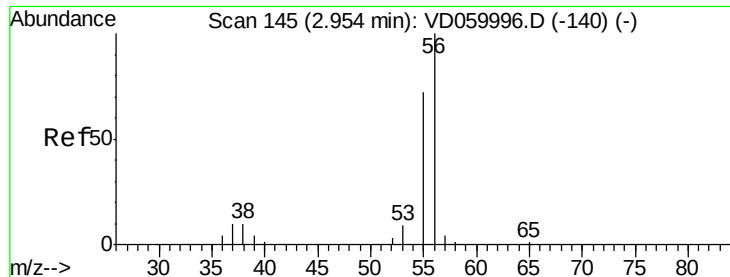


#12

1,1-Dichloroethene
 Concen: 22.23 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	96	Resp	140245
Ion Ratio	100	Lower	Upper
61	179.5	149.8	224.6
98	63.0	50.2	75.4





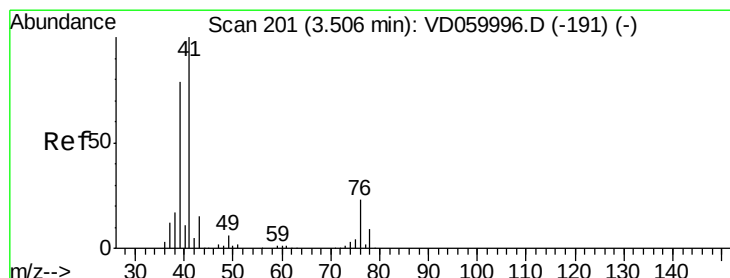
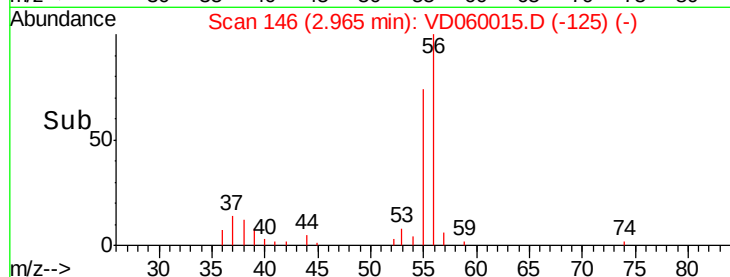
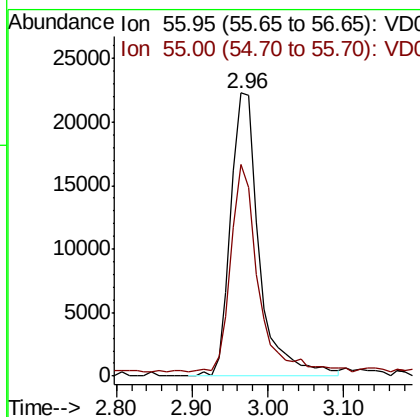
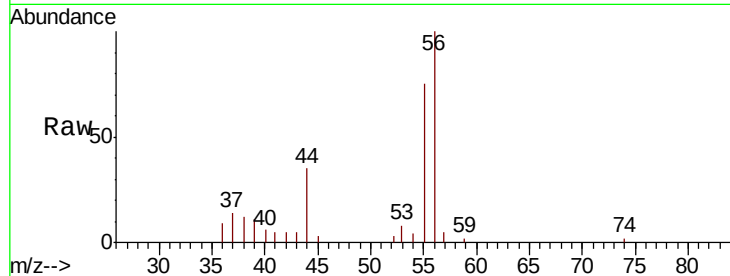
#13
Acrolein
Concen: 97.63 ug/l
RT: 2.96 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	56	Resp	58322
Ion Ratio	100	Lower	Upper
56	100		
55	74.8	58.3	87.5

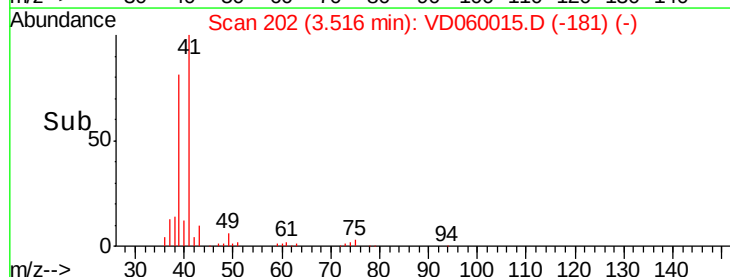
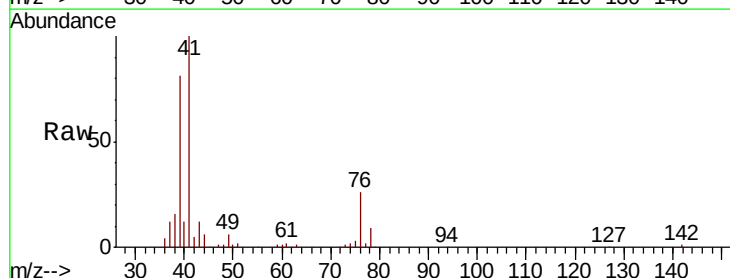
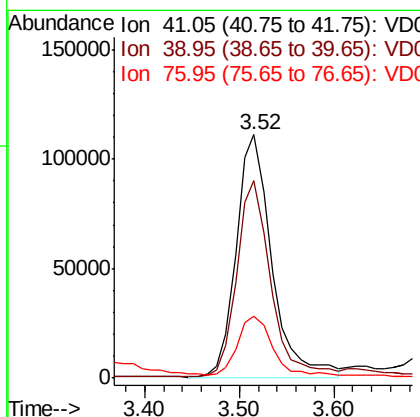
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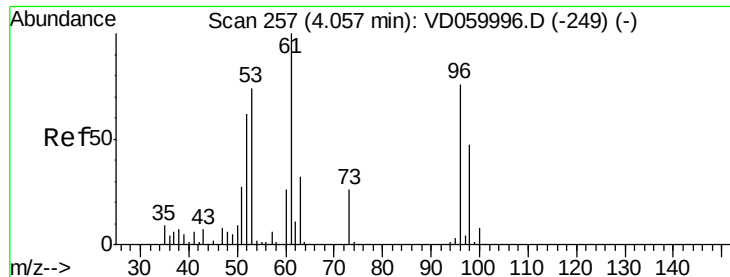
apatel
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#14
Allyl chloride
Concen: 21.70 ug/l
RT: 3.52 min Scan# 202
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	41	Resp	288594
Ion Ratio	100	Lower	Upper
41	100		
39	81.1	63.6	95.4
76	25.6	21.1	31.7





#15

Acrylonitrile

Concen: 102.26 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

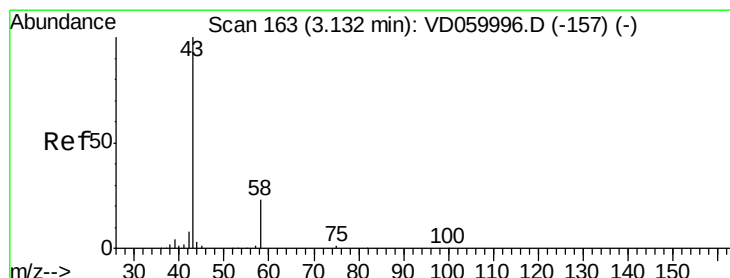
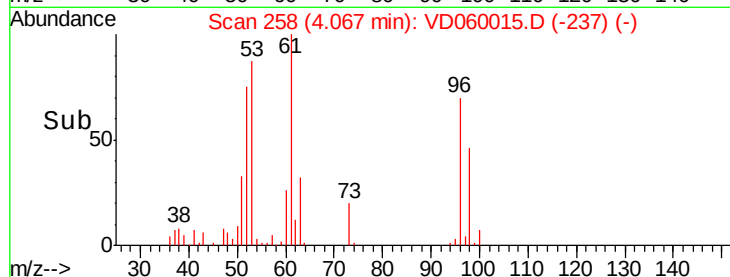
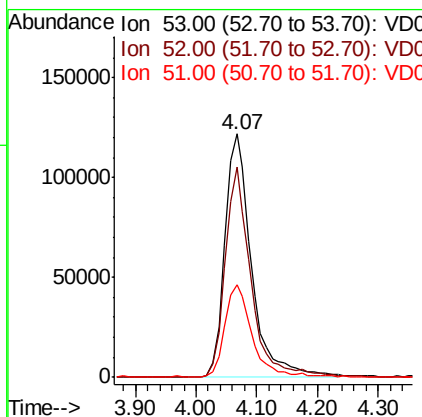
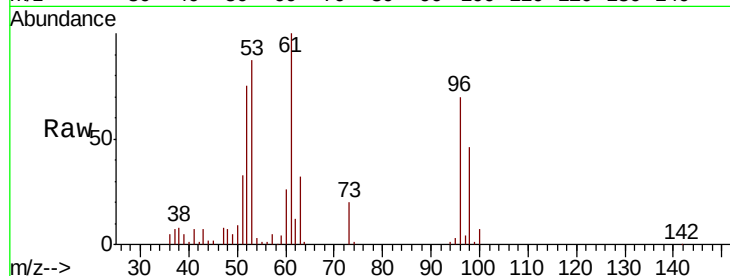
ClientSampleId :

VD0917SBS01

Tot Ion:	53	Resp:	372342
Ion Ratio	Lower	Upper	
53	100		
52	86.2	66.7	100.1
51	38.3	29.0	43.6

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#16

Acetone

Concen: 113.46 ug/l

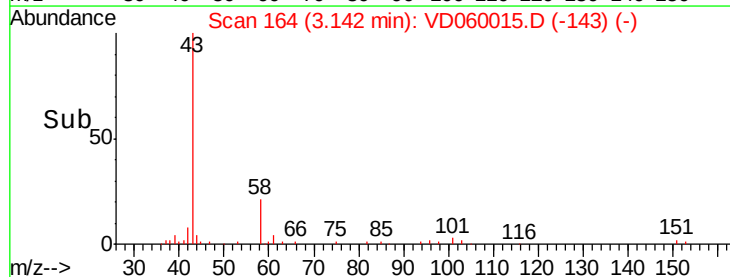
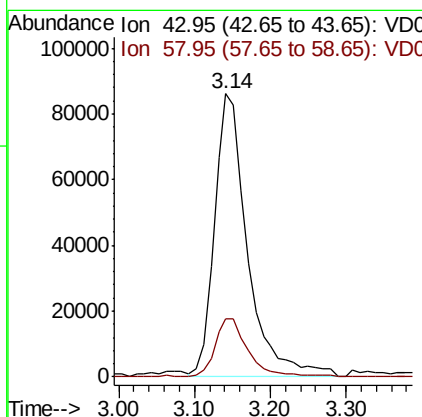
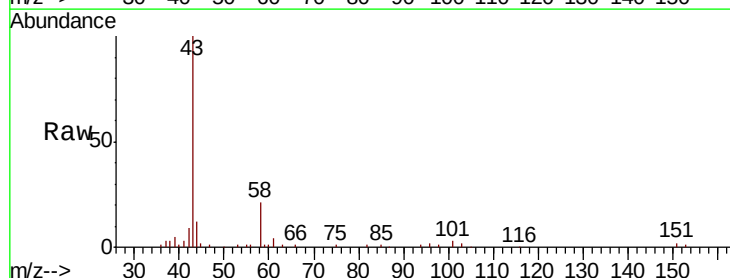
RT: 3.14 min Scan# 164

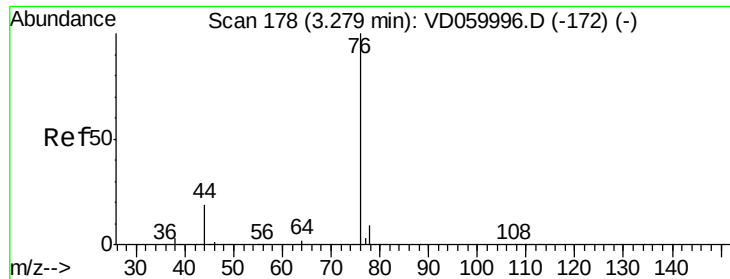
Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion:	43	Resp:	261865
Ion Ratio	Lower	Upper	
43	100		
58	20.6	18.1	27.1





#17

Carbon Disulfide

Concen: 21.19 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 76 Resp: 460574

Ion Ratio Lower Upper

76 100

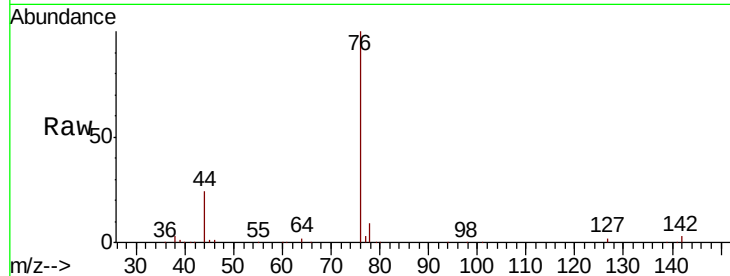
78 9.3 7.0 10.4

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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

200000

150000

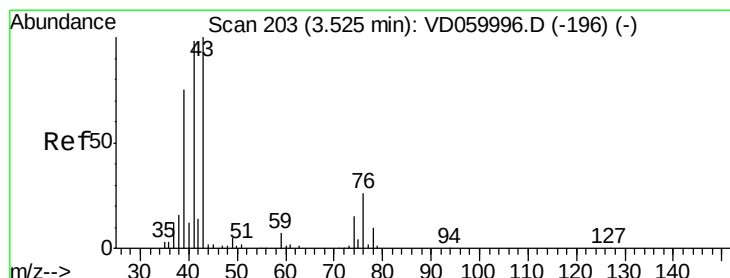
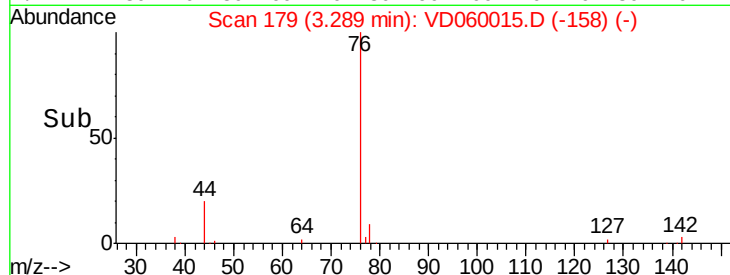
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 19.98 ug/l

RT: 3.54 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060015.D

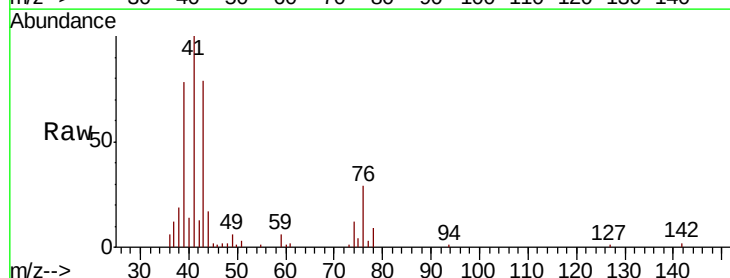
Acq: 17 Sep 2018 12:20

Tgt Ion: 43 Resp: 93766

Ion Ratio Lower Upper

43 100

74 15.3 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

40000

30000

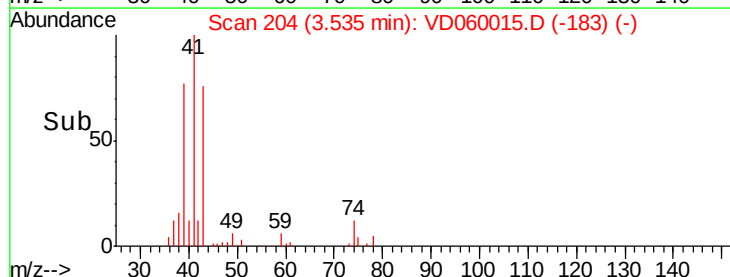
20000

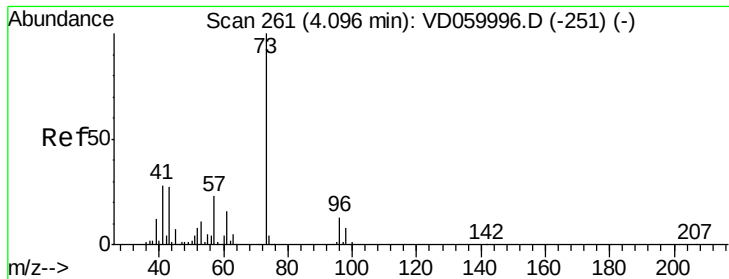
10000

0

3.40 3.50 3.60

Time-->





#19

Methyl tert-butyl Ether

Concen: 20.65 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 73 Resp: 601878

Ion Ratio Lower Upper

73 100

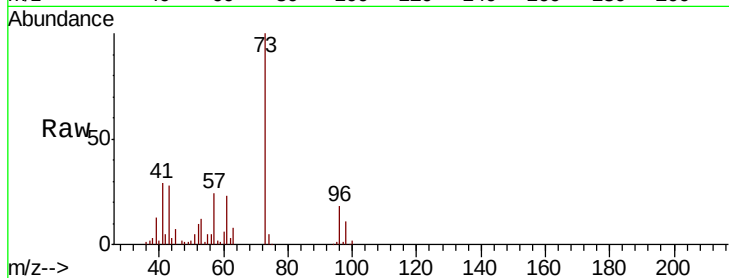
57 23.5 18.4 27.6

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Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.11

200000

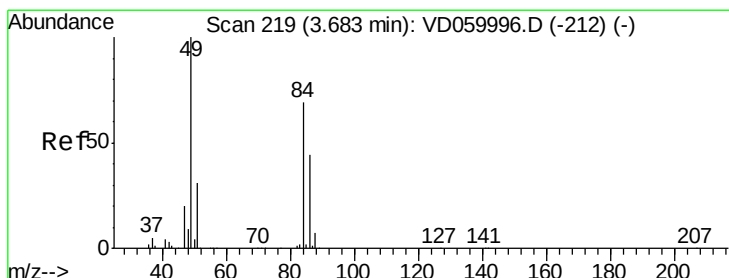
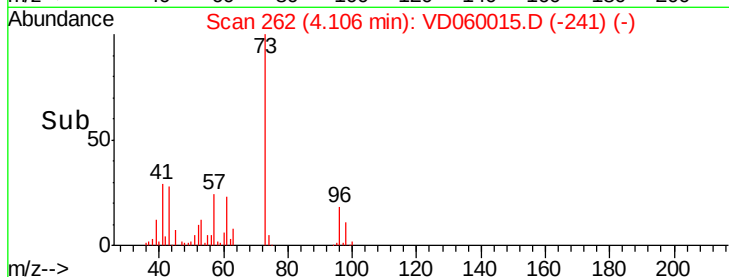
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 20.15 ug/l

RT: 3.69 min Scan# 220

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion: 84 Resp: 401585

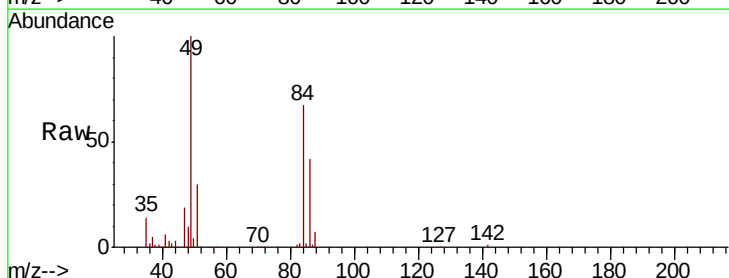
Ion Ratio Lower Upper

84 100

49 149.4 116.6 175.0

51 44.4 35.9 53.9

86 62.2 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

300000

250000

200000

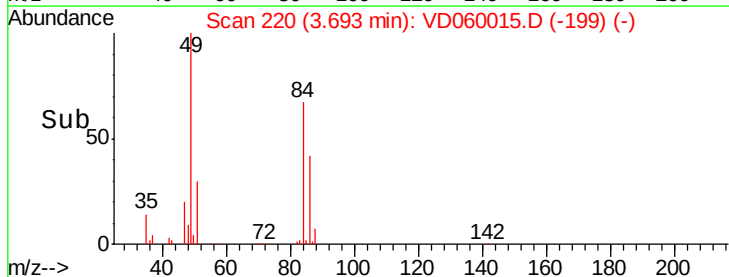
150000

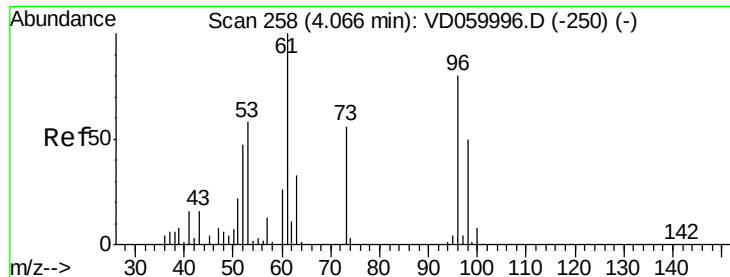
100000

50000

0

Time--> 3.60 3.70 3.80 3.90





#21

trans-1,2-Dichloroethene

Concen: 20.50 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBSD01

Tot Ion: 96 Resp: 339293

Ion Ratio Lower Upper

96 100

61 139.4 100.1 150.1

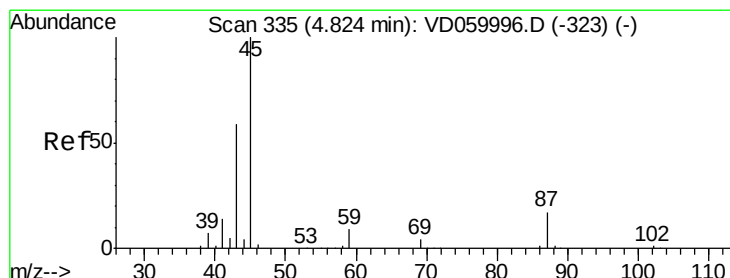
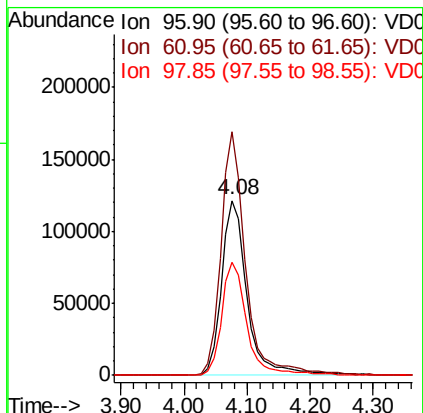
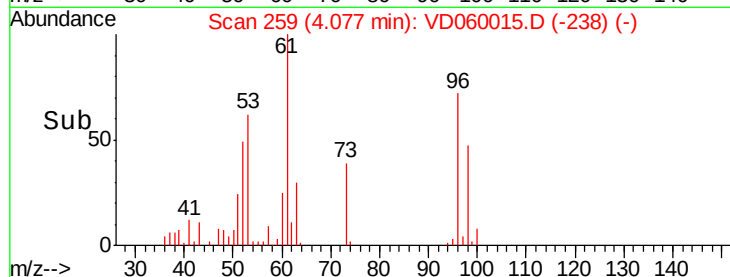
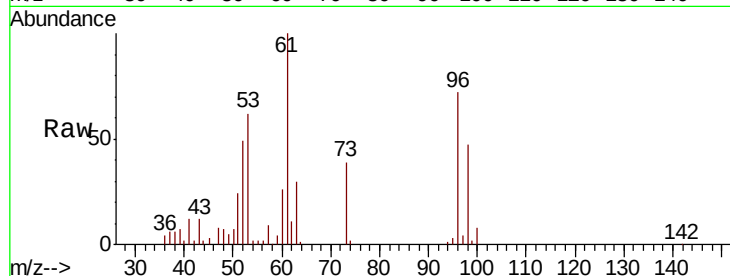
98 64.9 49.5 74.3

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#22

Diisopropyl ether

Concen: 21.29 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion: 45 Resp: 1291713

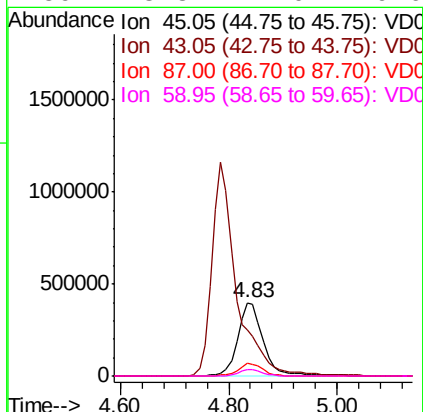
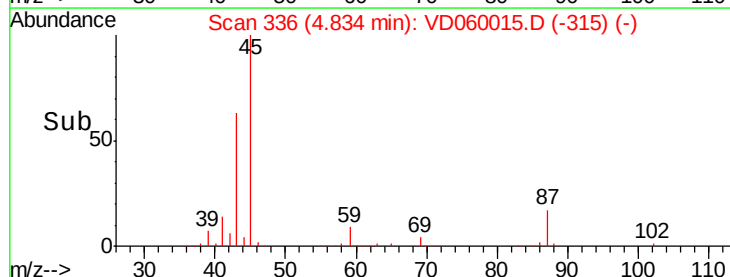
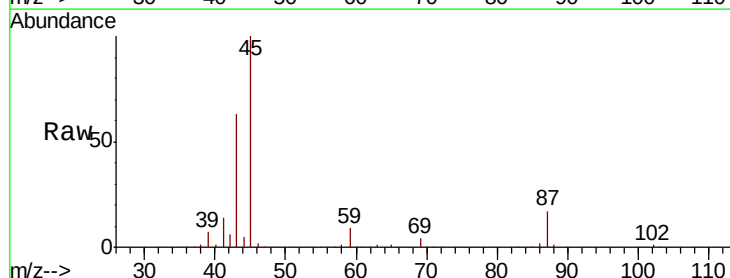
Ion Ratio Lower Upper

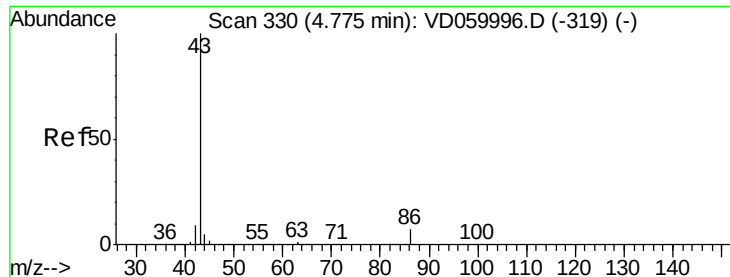
45 100

43 63.0 47.1 70.7

87 16.8 14.2 21.2

59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 105.77 ug/l

RT: 4.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 43 Resp: 3635773

Ion Ratio Lower Upper

43 100

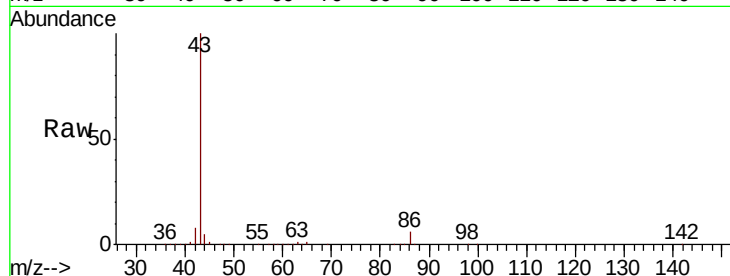
86 6.4 5.5 8.3

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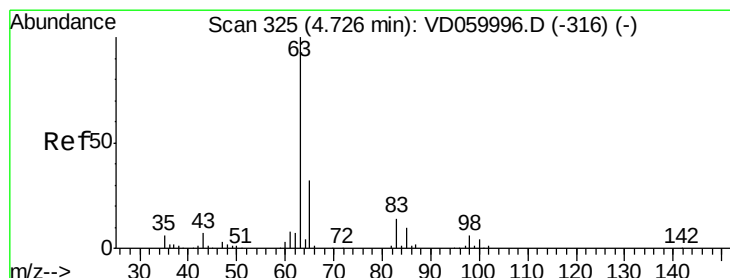
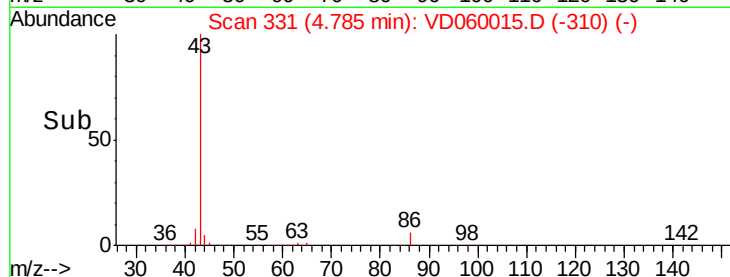
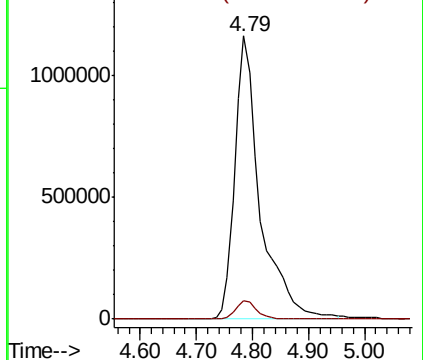
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.72 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

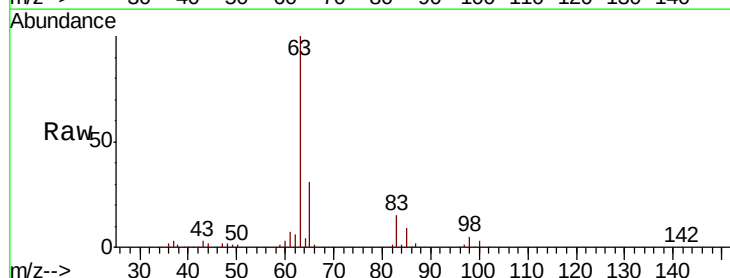
Tgt Ion: 63 Resp: 564071

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

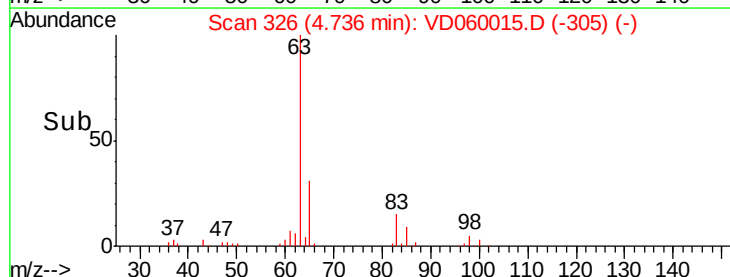
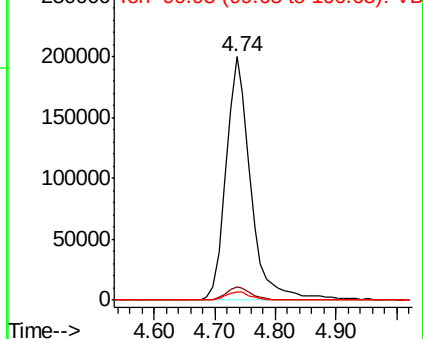
100 3.2 1.8 5.4

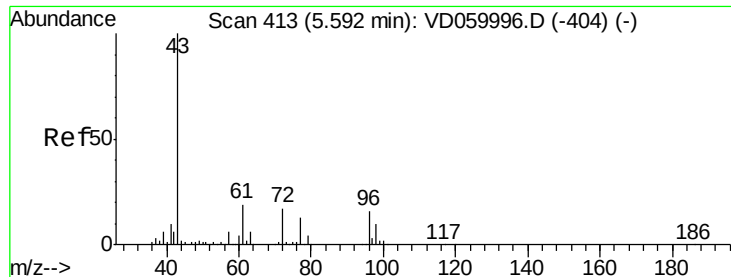


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 111.86 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 43 Resp: 696700

Ion Ratio Lower Upper

43 100

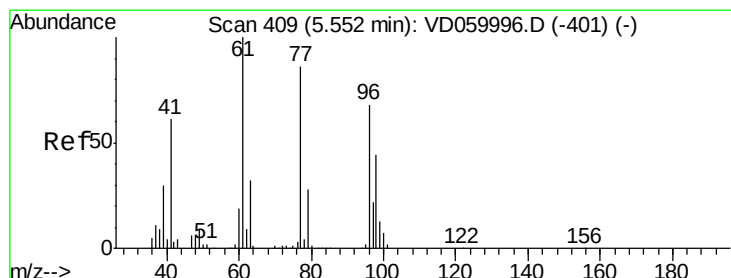
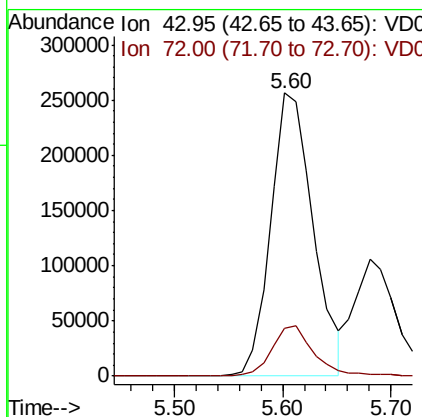
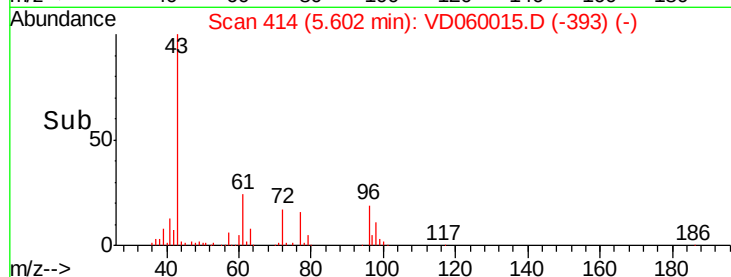
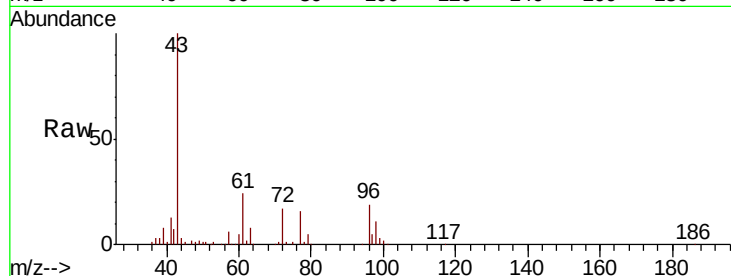
72 16.9 13.6 20.4

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#26

2,2-Dichloropropane

Concen: 21.18 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060015.D

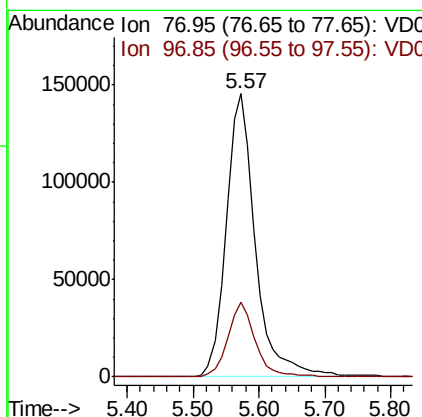
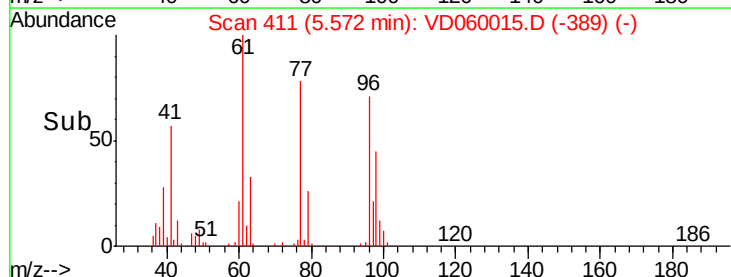
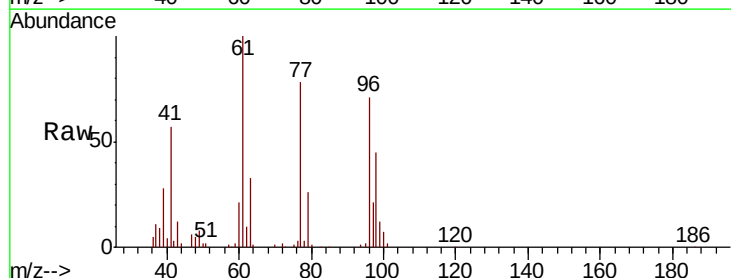
Acq: 17 Sep 2018 12:20

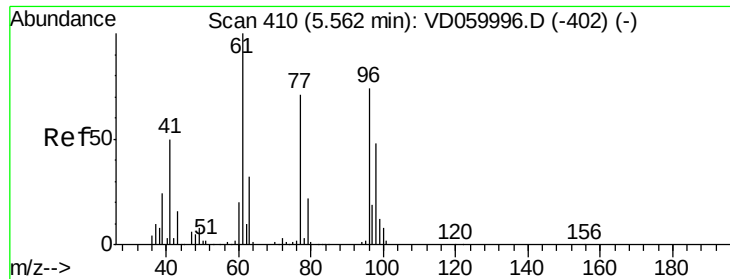
Tgt Ion: 77 Resp: 448389

Ion Ratio Lower Upper

77 100

97 26.5 12.7 38.1





#27

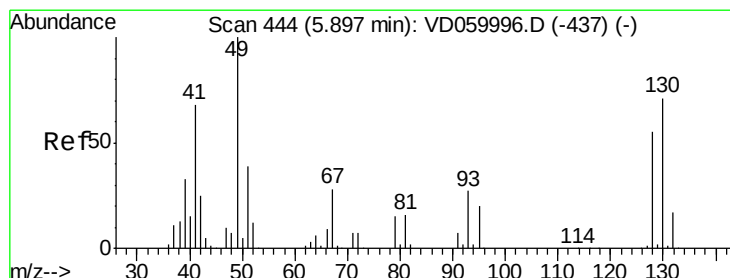
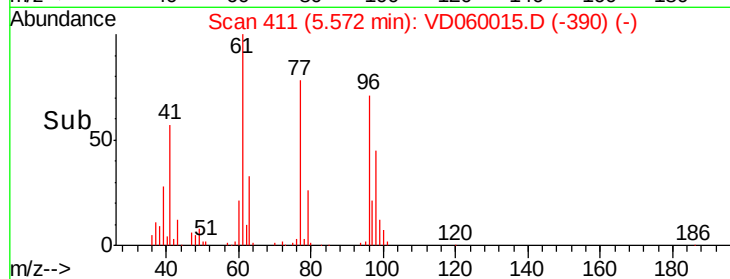
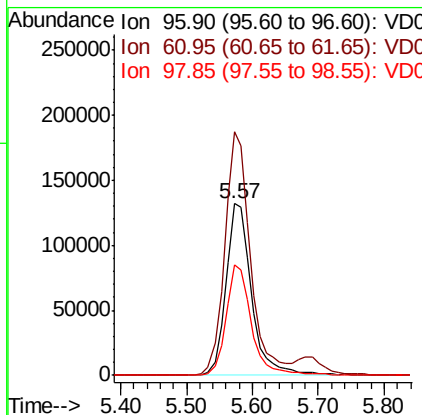
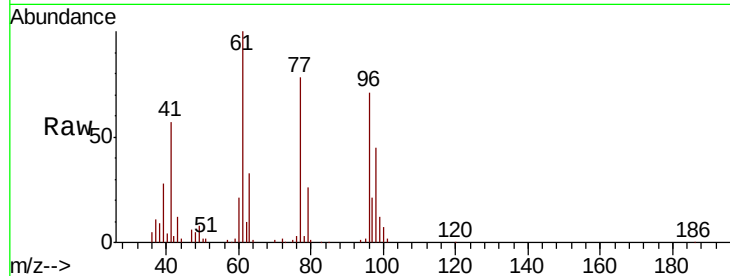
cis-1,2-Dichloroethene
 Concen: 20.78 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.7	0.0	269.6	
98	64.3	0.0	128.4	

Manual Integrations
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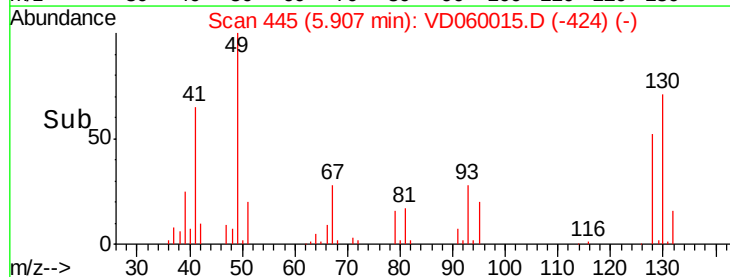
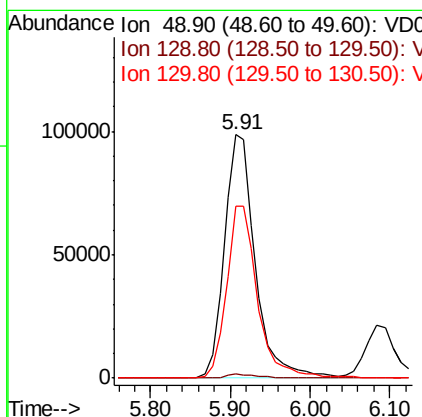
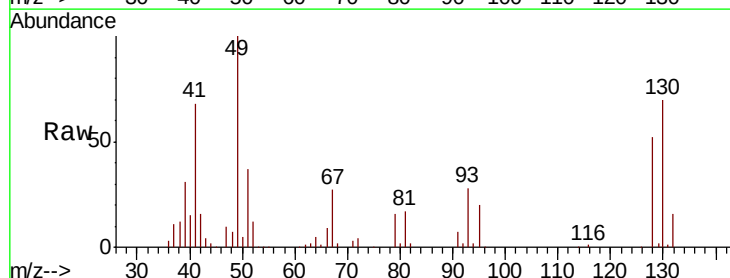
apatel
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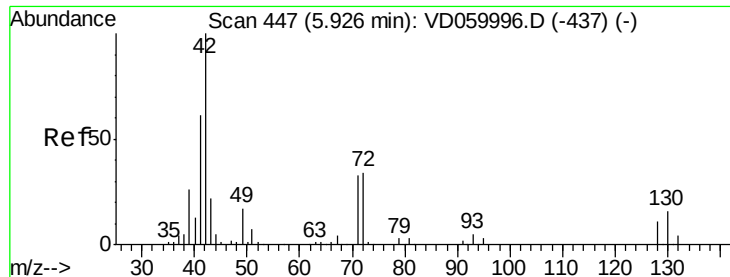


#28

Bromochloromethane
 Concen: 20.41 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	70.4	57.1	85.7	





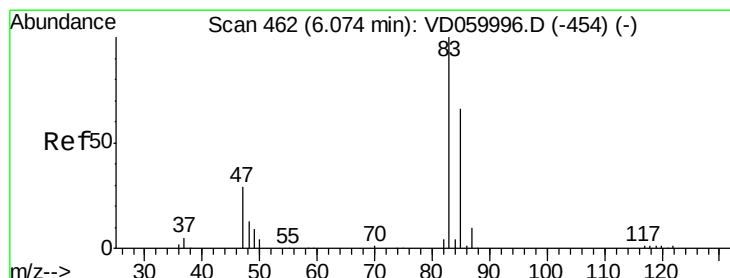
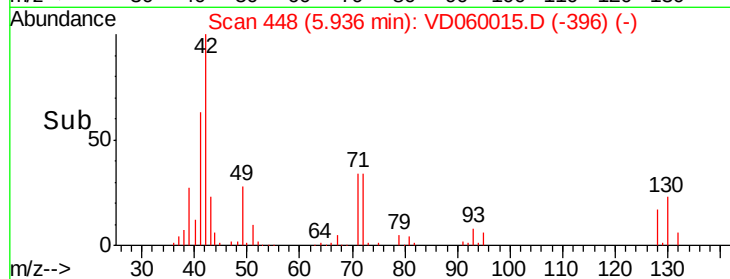
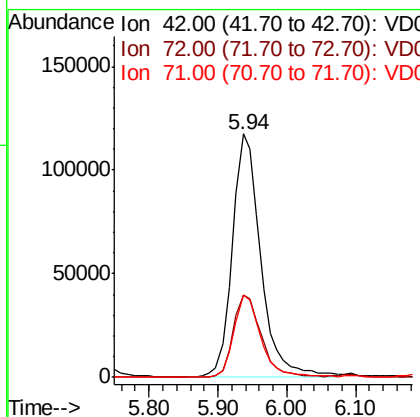
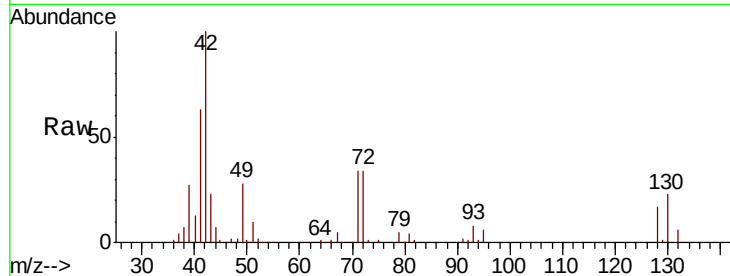
#29
Tetrahydrofuran
Concen: 100.74 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	26.9	40.3
71	32.5	26.2	39.4

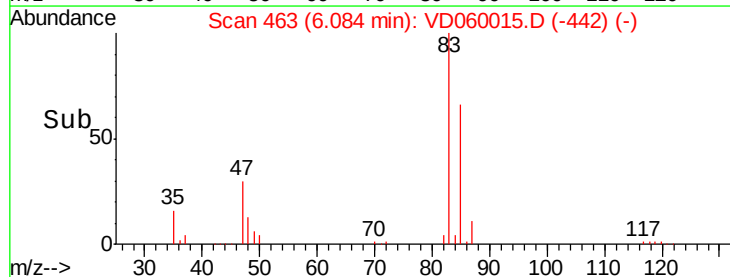
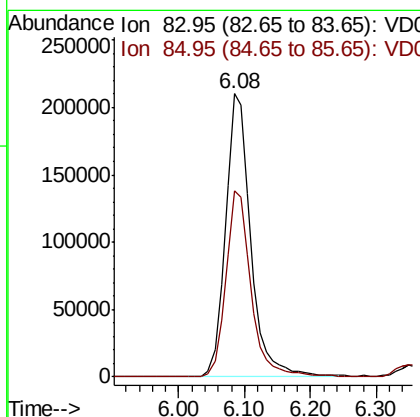
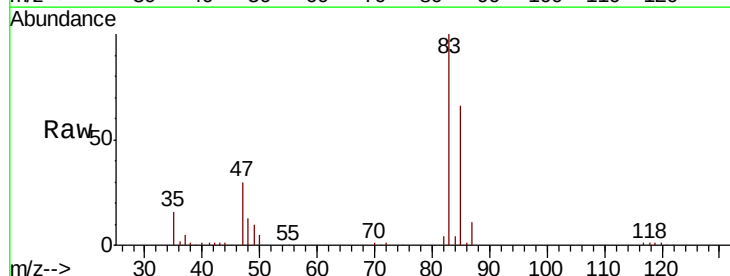
Manual Integrations
APPROVED

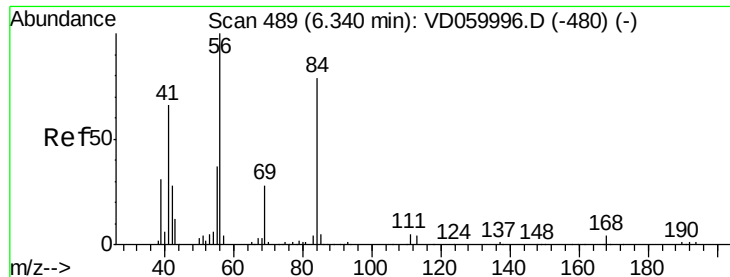
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#30
Chloroform
Concen: 20.33 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





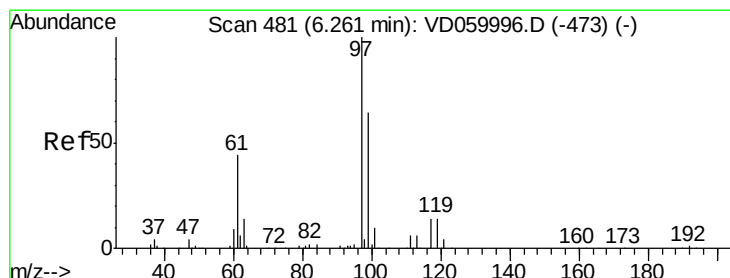
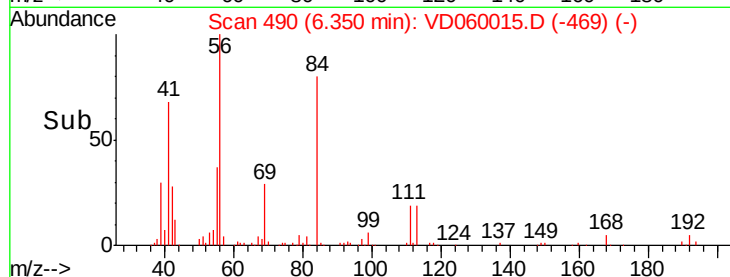
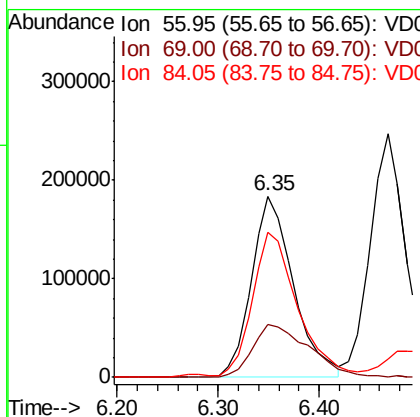
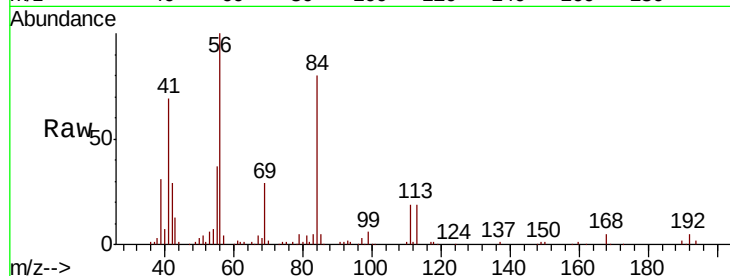
#31
Cyclohexane
Concen: 20.09 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.7	34.1
84	80.0	64.0	96.0

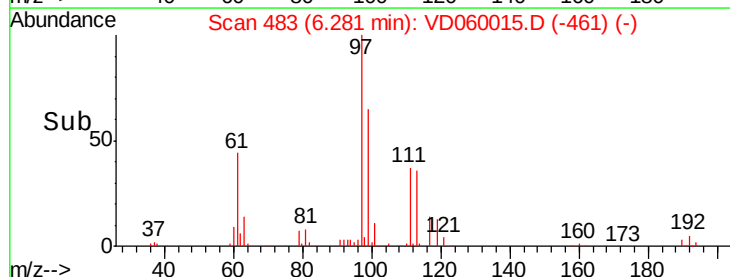
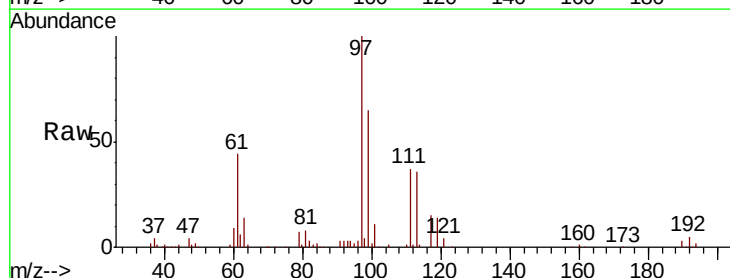
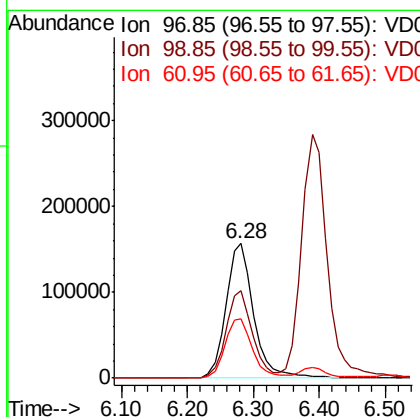
Manual Integrations
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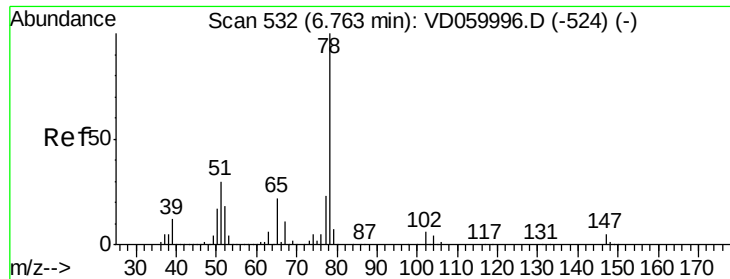
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#32
1,1,1-Trichloroethane
Concen: 20.06 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	44.4	35.5	53.3





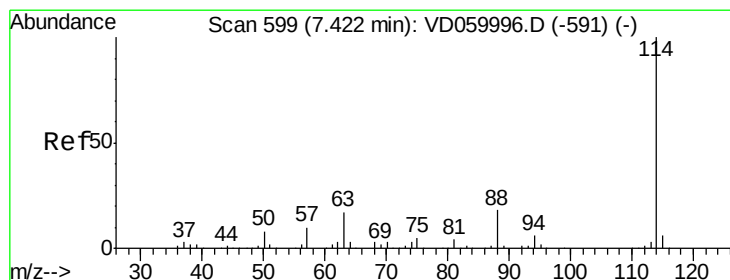
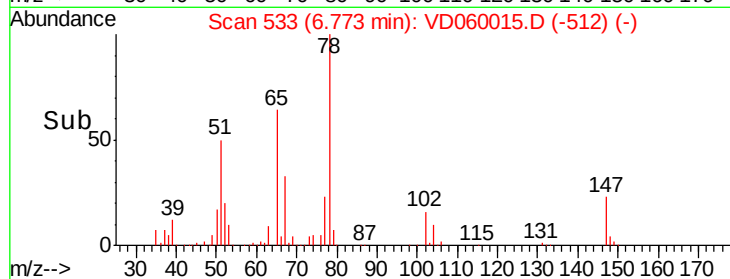
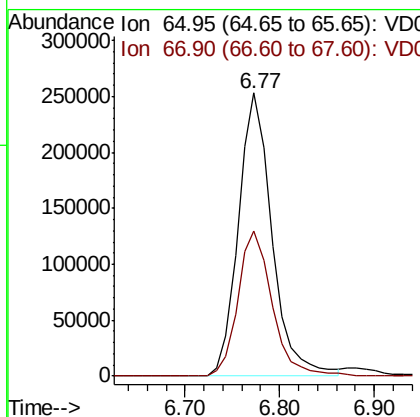
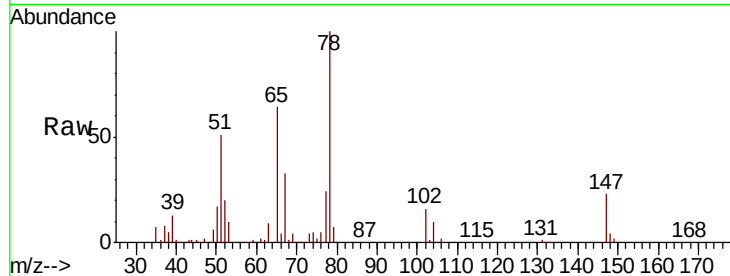
#33
 1,2-Dichloroethane-d4
 Concen: 20.06 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	622992		
67	51.4	0.0	104.8	

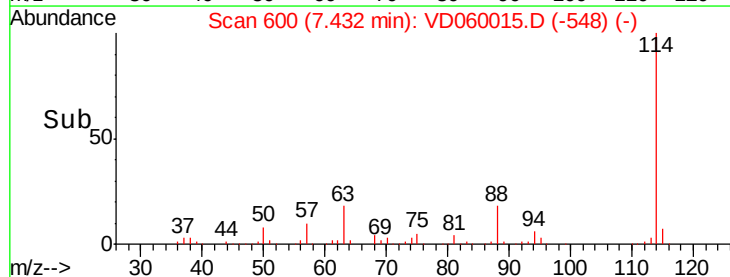
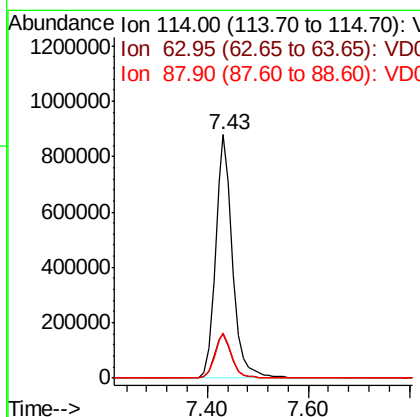
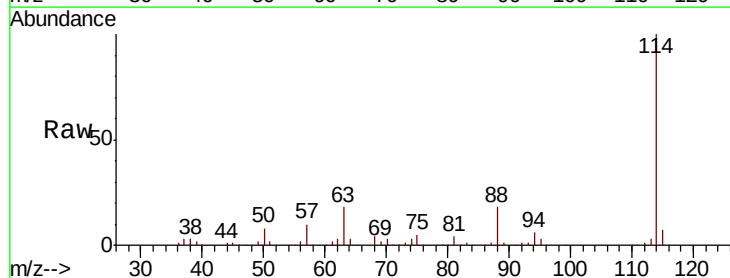
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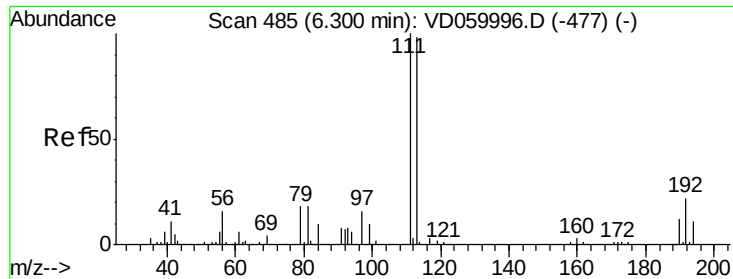
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2073236		
63	18.1	0.0	34.4	
88	18.4	0.0	35.8	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

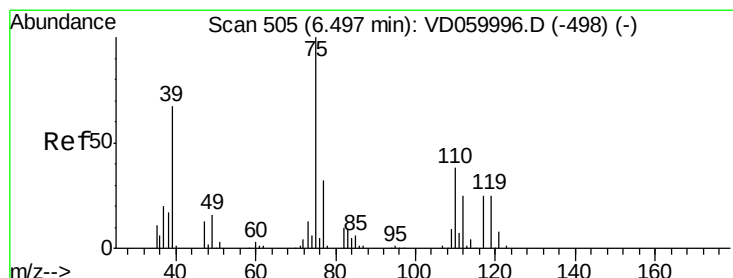
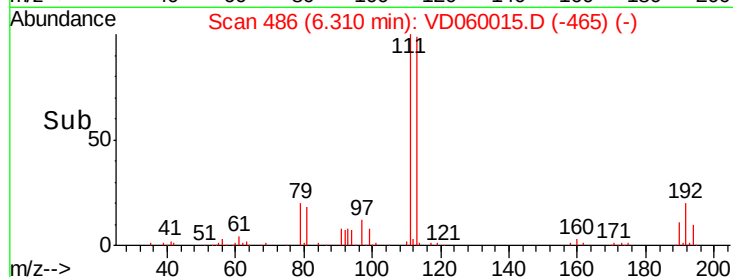
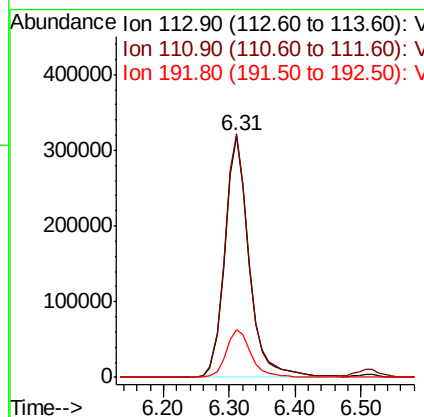
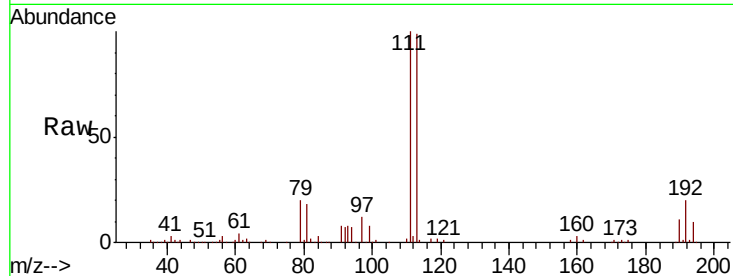
ClientSampleId :

VD0917SBS01

Tot Ion:	113	Resp:	817649
Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.3	121.9
192	20.0	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.36 ug/l

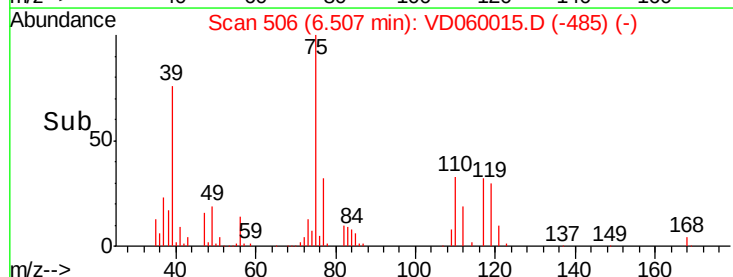
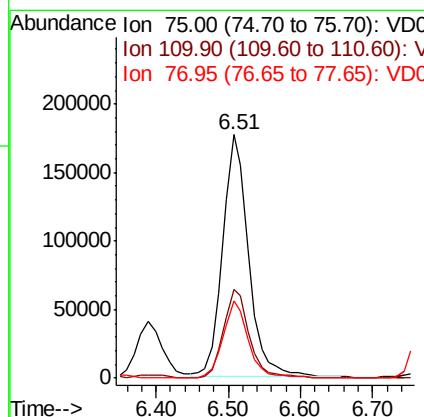
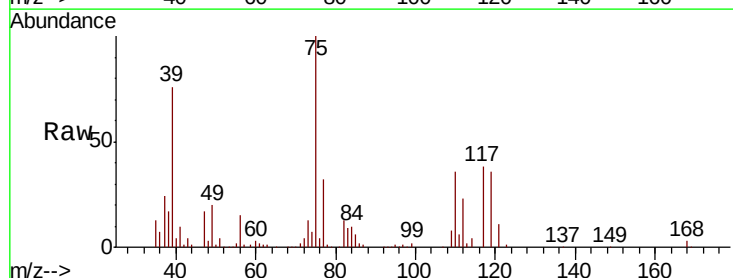
RT: 6.51 min Scan# 506

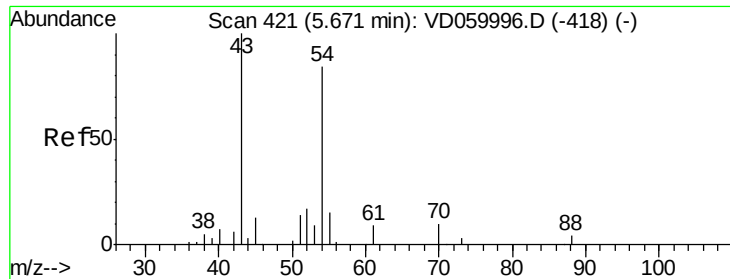
Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion:	75	Resp:	439918
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.9	56.9
77	31.9	25.3	37.9





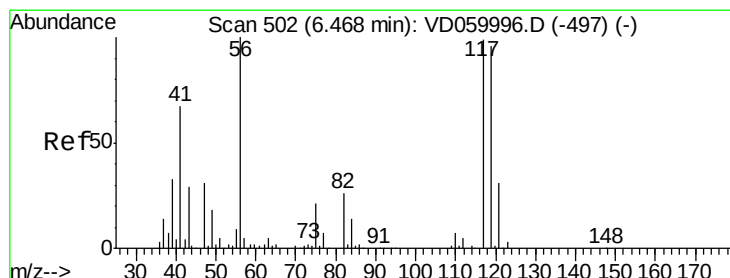
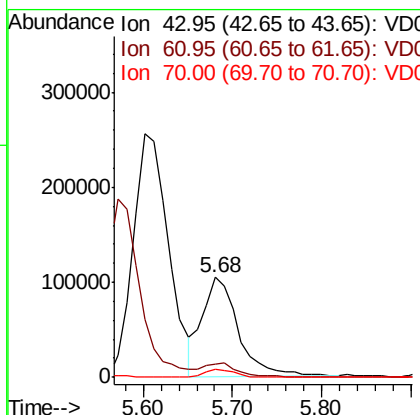
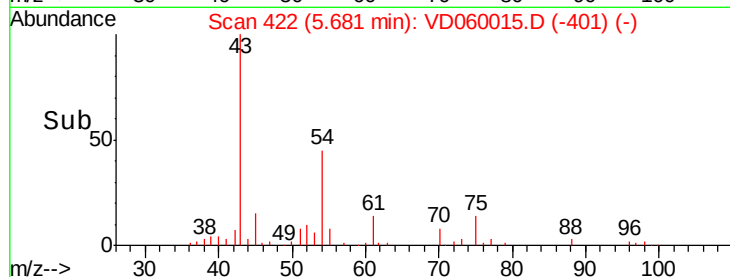
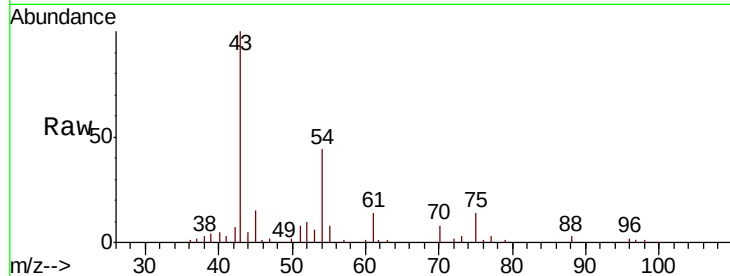
#37
Ethyl Acetate
Concen: 20.87 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.2
70	7.7	6.1	9.1

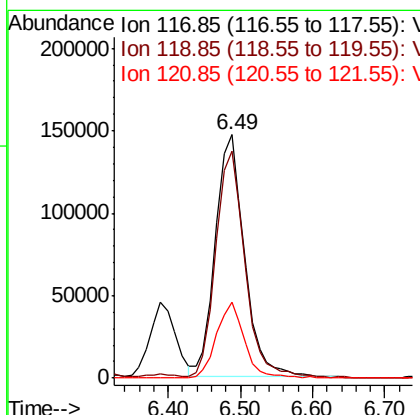
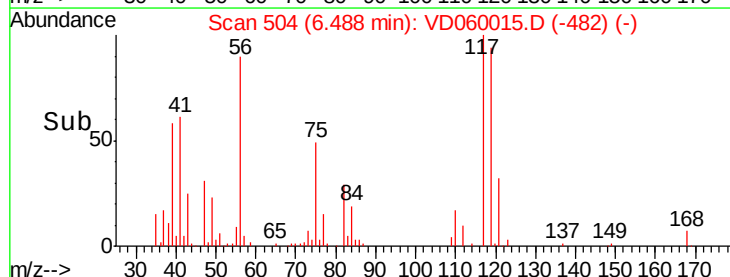
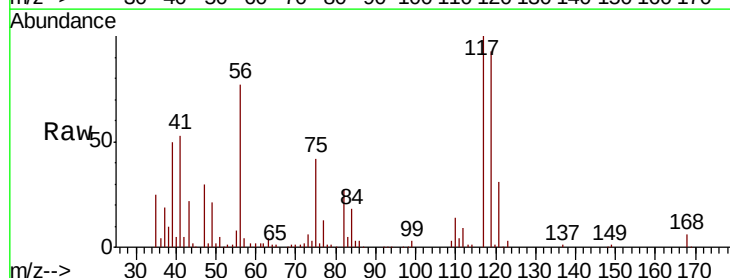
Manual Integrations
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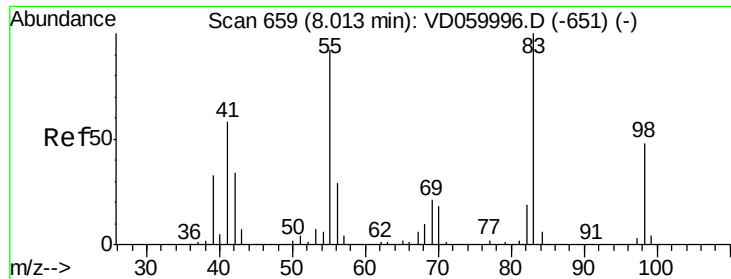
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#38
Carbon Tetrachloride
Concen: 21.32 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.7	115.1
121	31.3	24.9	37.3





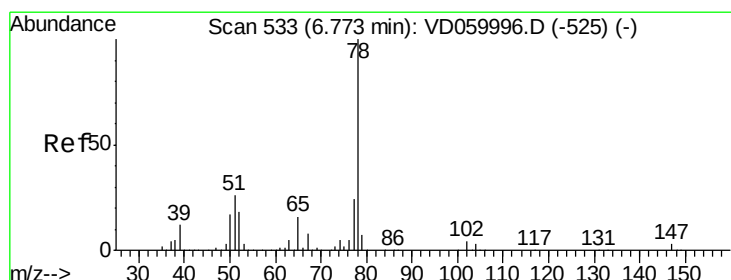
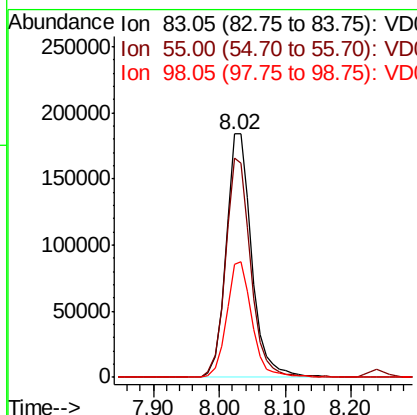
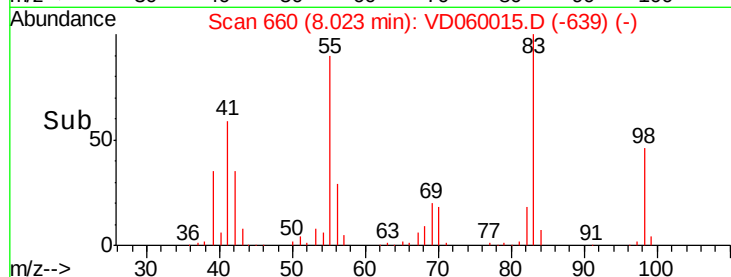
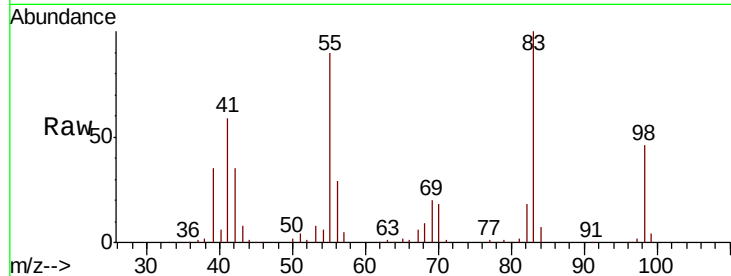
#39
Methylvlcyclohexane
Concen: 21.41 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	83	Resp	498850
Ion Ratio	100	Lower	Upper
83	100		
55	90.2	73.8	110.6
98	46.2	38.1	57.1

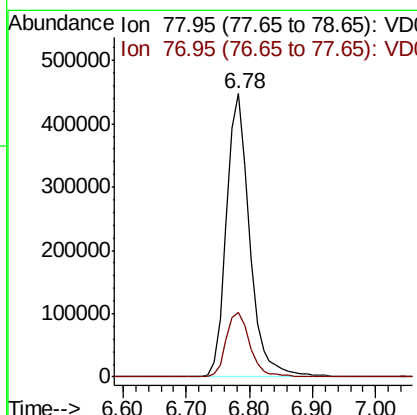
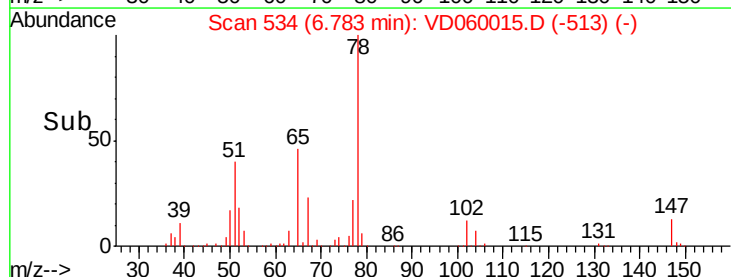
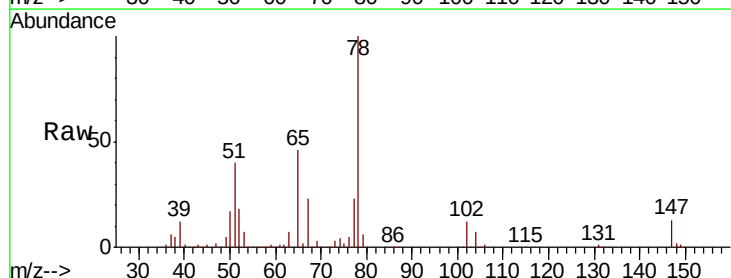
Manual Integrations
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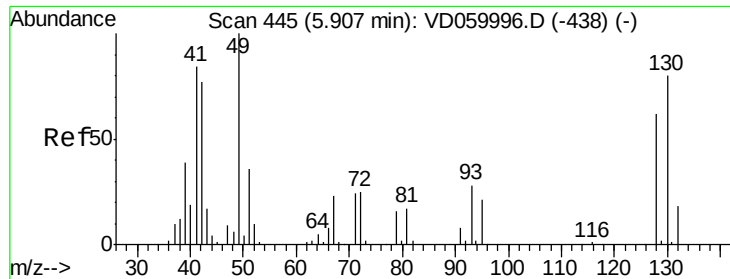
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#40
Benzene
Concen: 21.71 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	78	Resp	1139664
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	19.0	28.4





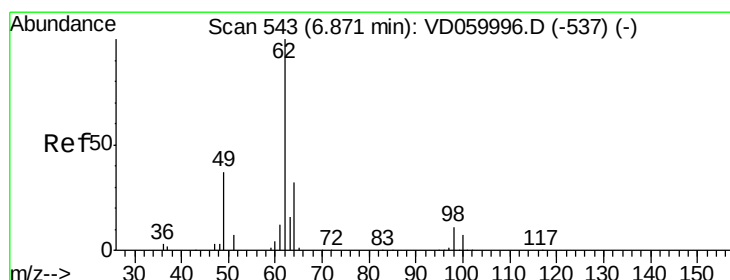
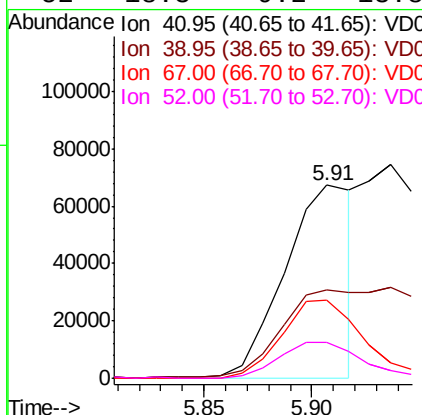
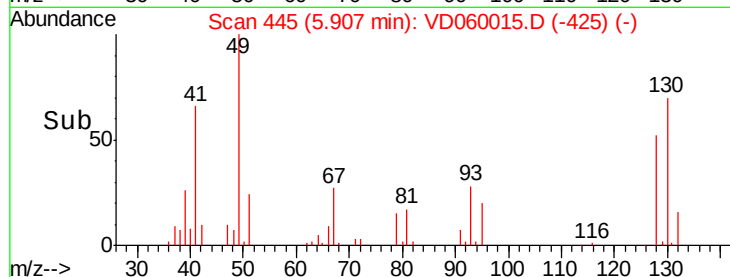
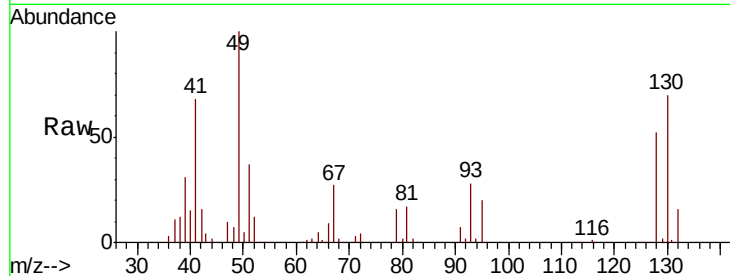
#41
Methacrylonitrile
Concen: 20.19 ug/l m
RT: 5.91 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.1	37.5	56.3
67	40.2	21.5	32.3
52	18.3	9.2	13.8

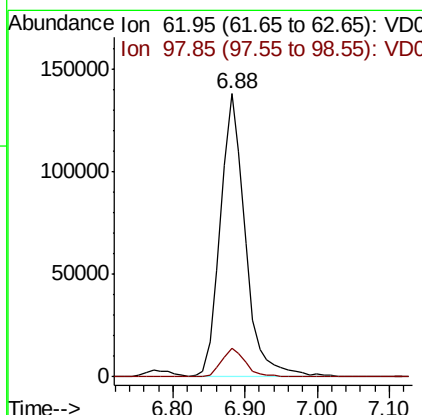
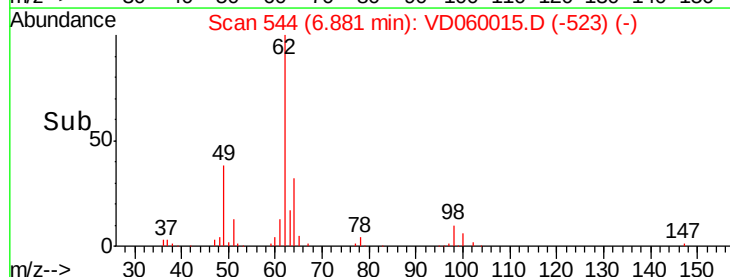
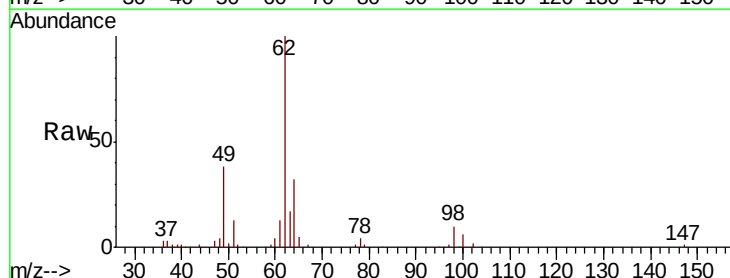
Manual Integrations
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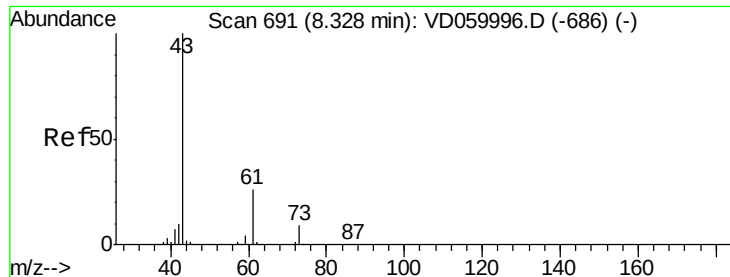
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#42
1,2-Dichloroethane
Concen: 20.76 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.4





#43

Isopropyl Acetate

Concen: 19.77 ug/l

RT: 8.34 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

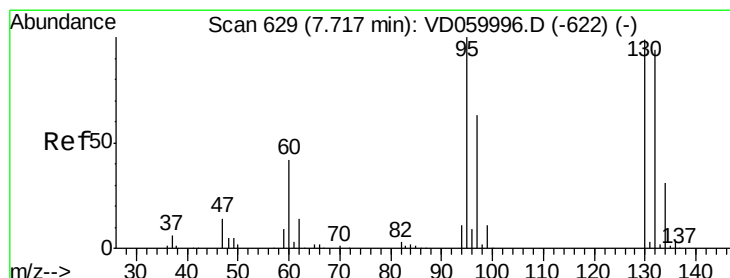
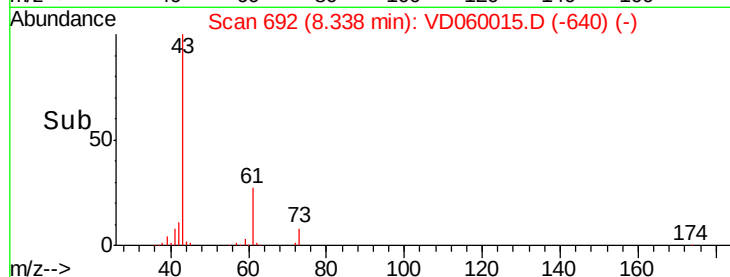
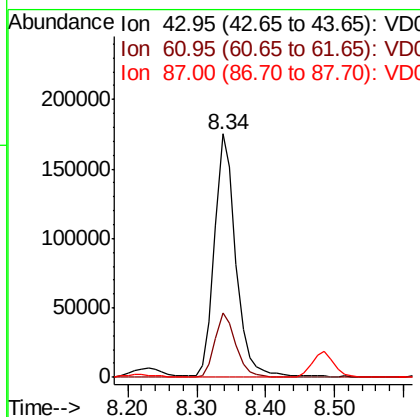
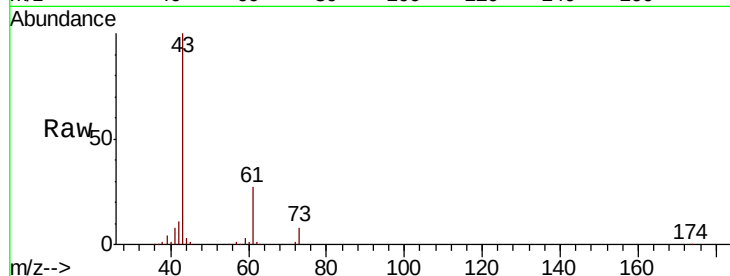
ClientSampleId :

VD0917SBS01

Tot Ion:	43	Resp:	374839
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	0.0	0.2	0.2#

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#44

Trichloroethene

Concen: 21.00 ug/l

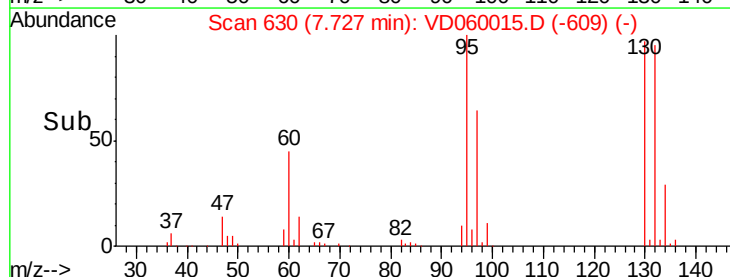
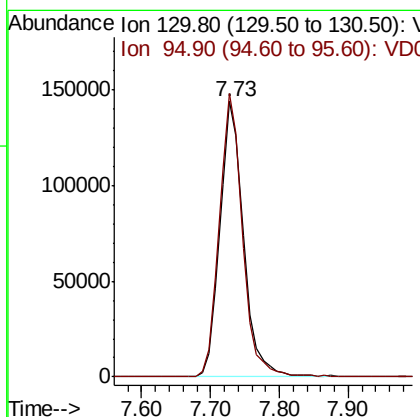
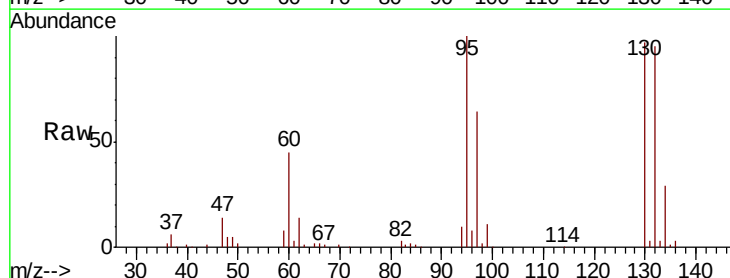
RT: 7.73 min Scan# 630

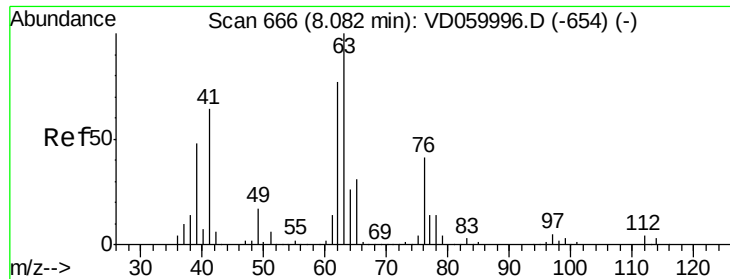
Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion:	130	Resp:	340584
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	202.0





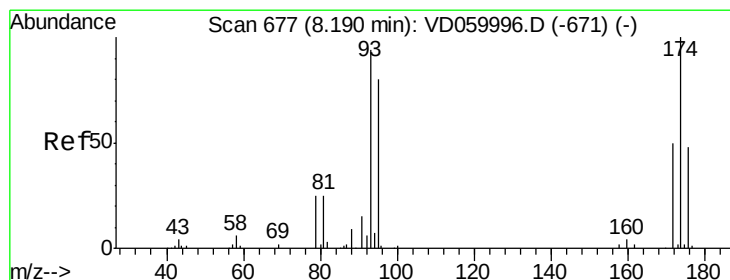
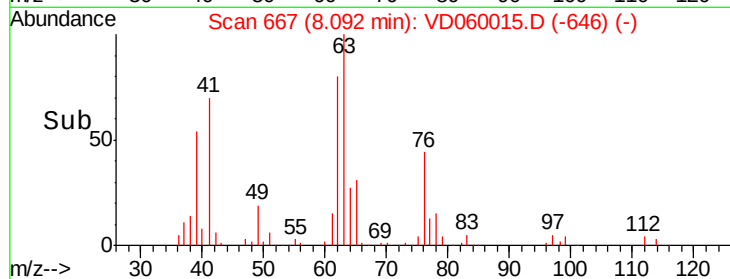
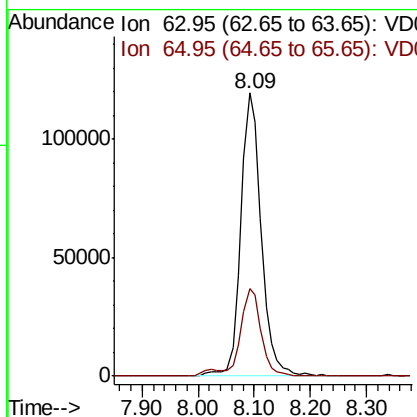
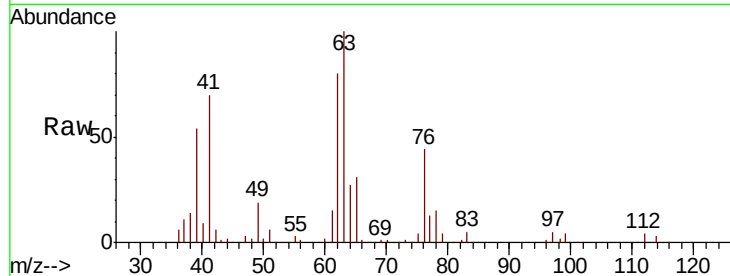
#45
 1,2-Dichloropropane
 Concen: 21.50 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	37.0

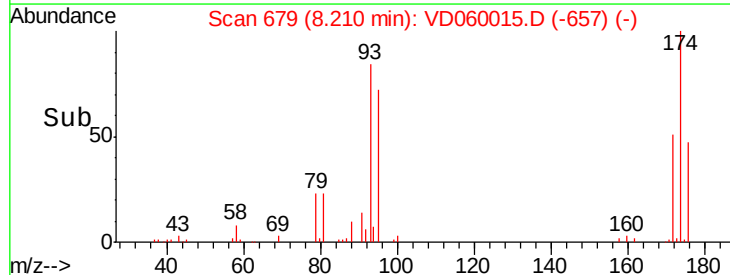
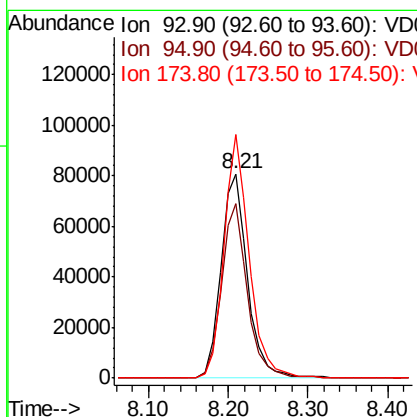
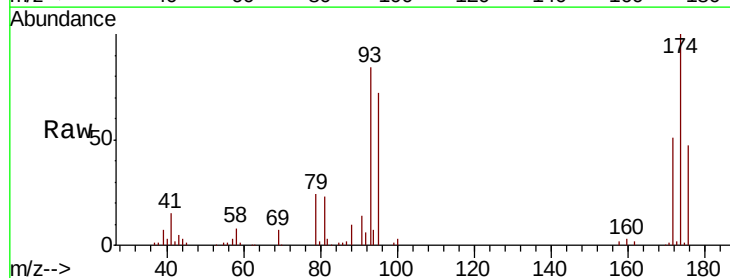
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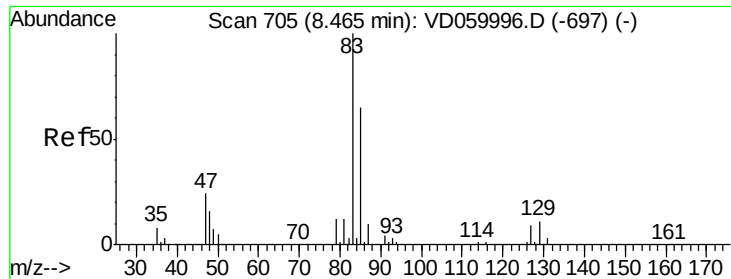
apatel
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#46
 Dibromomethane
 Concen: 20.53 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	68.0	102.0
174	119.3	85.4	128.2





#47

Bromodichloromethane

Concen: 21.08 ug/l

RT: 8.49 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

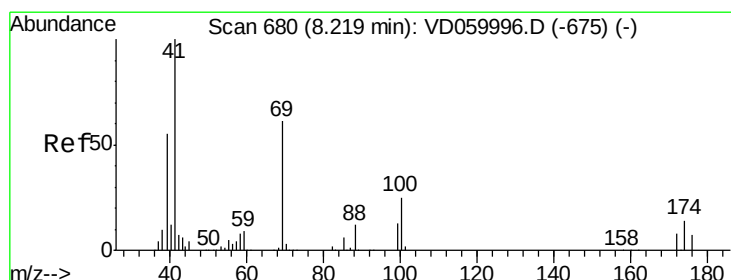
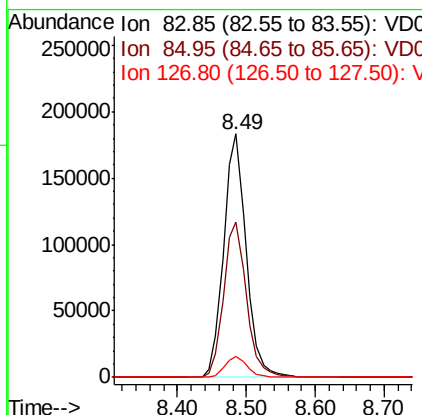
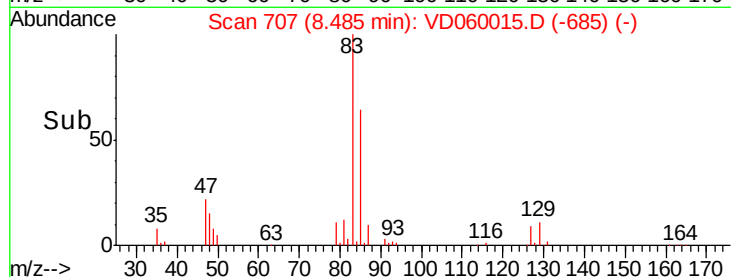
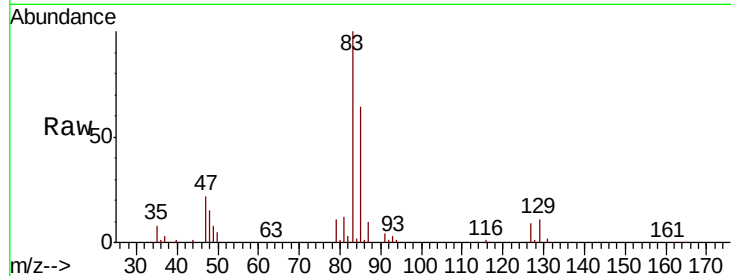
ClientSampleId :

VD0917SBS01

Tot Ion:	83	Resp:	416245
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9
127	8.7	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.24 ug/l

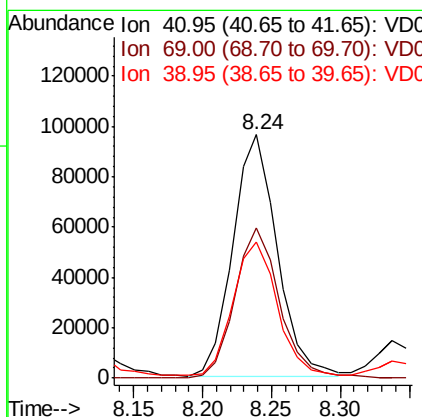
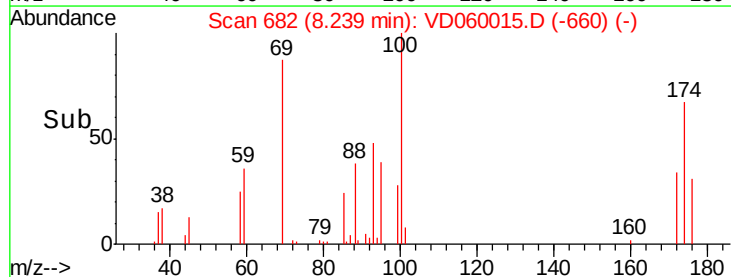
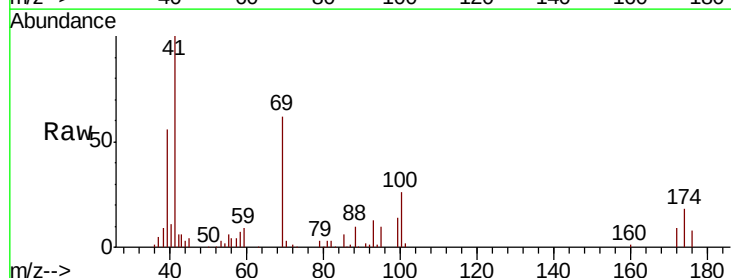
RT: 8.24 min Scan# 682

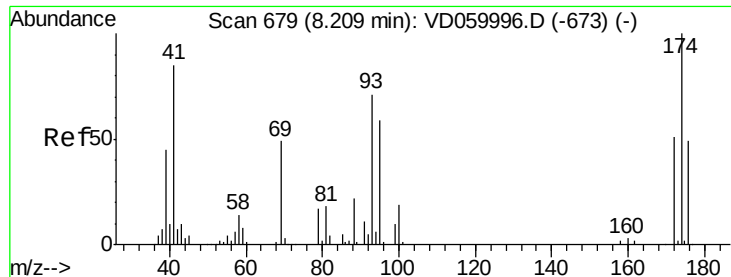
Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion:	41	Resp:	213731
Ion	Ratio	Lower	Upper
41	100		
69	61.7	48.3	72.5
39	56.0	44.1	66.1





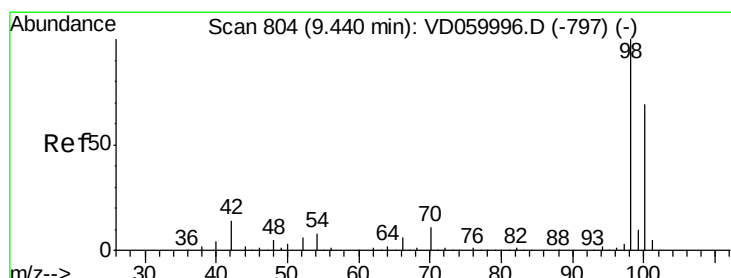
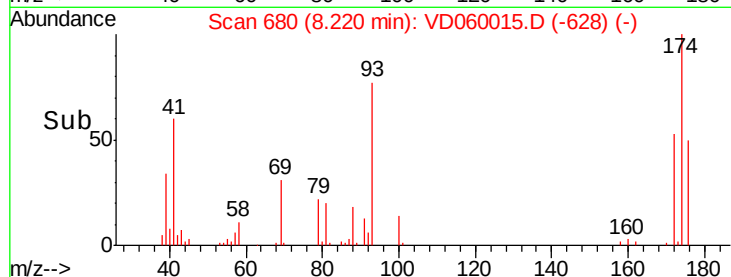
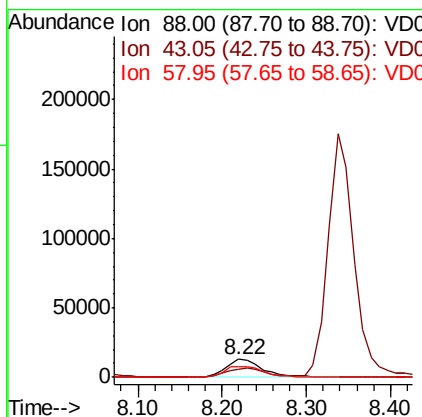
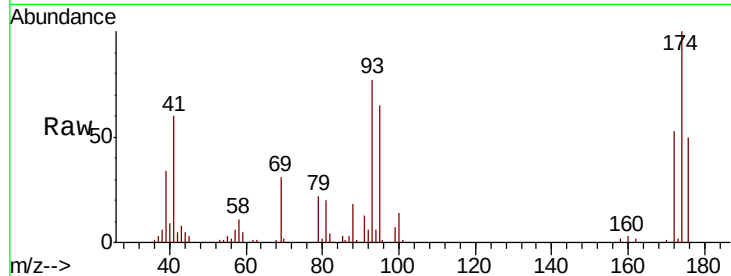
#49
1,4-Dioxane
Concen: 378.36 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	36.2	54.2
58	62.8	51.0	76.6

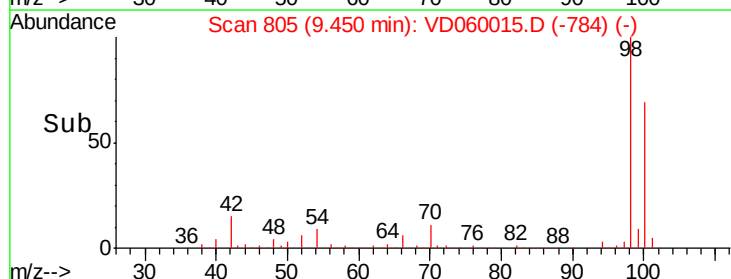
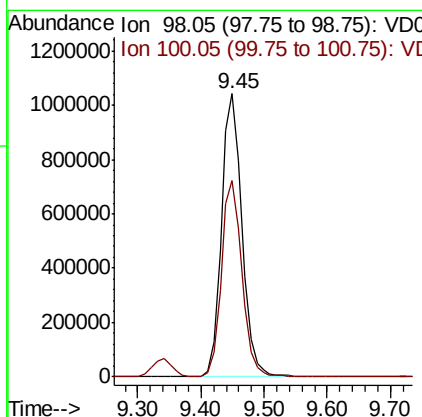
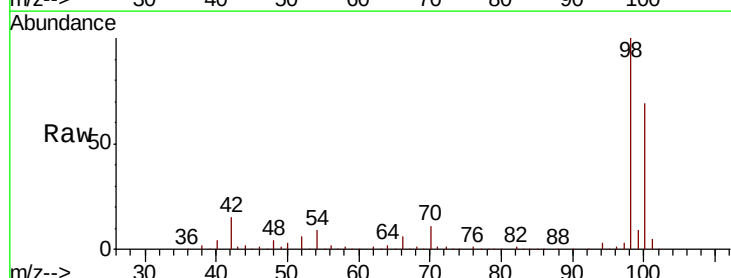
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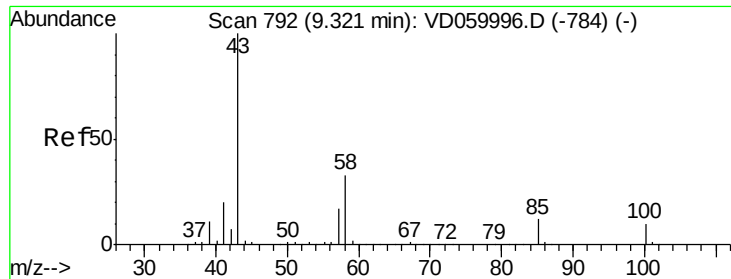
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#50
Toluene-d8
Concen: 378.36 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 110.38 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 43 Resp: 1526098

Ion Ratio Lower Upper

43 100

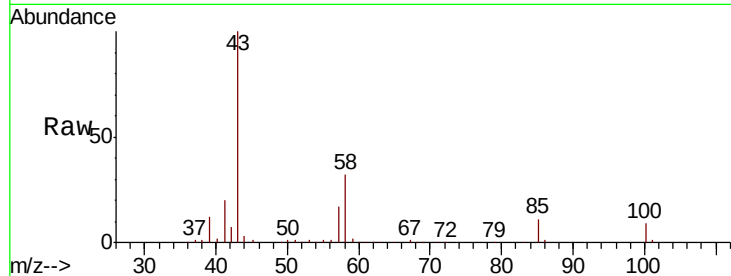
58 32.1 26.4 39.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

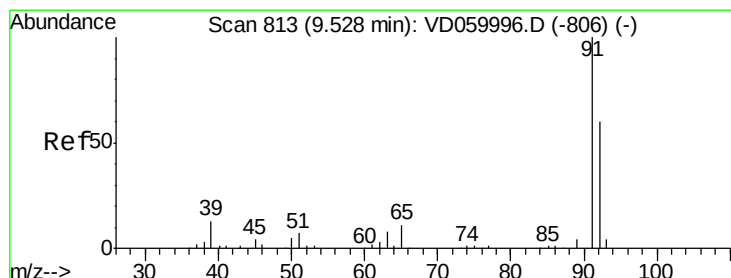
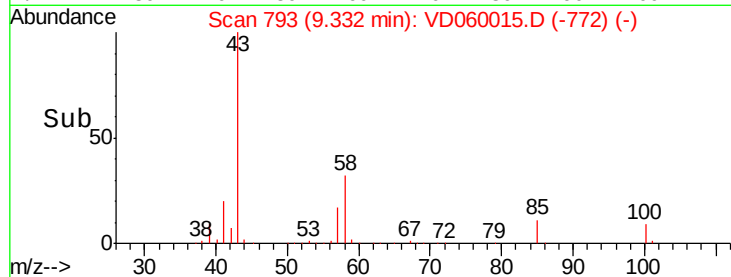
600000

400000

200000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 21.41 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060015.D

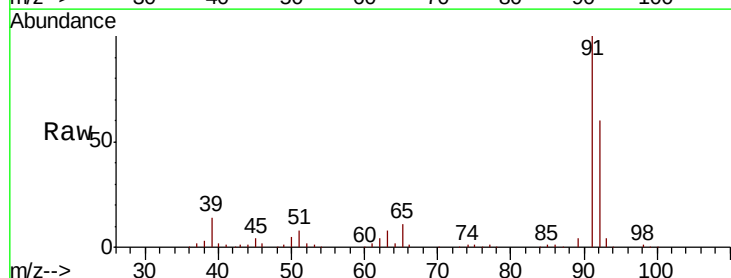
Acq: 17 Sep 2018 12:20

Tgt Ion: 92 Resp: 720388

Ion Ratio Lower Upper

92 100

91 166.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

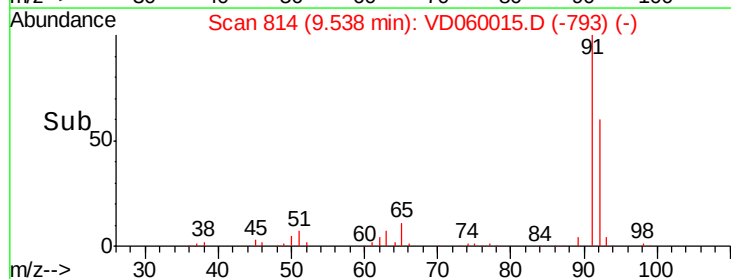
300000

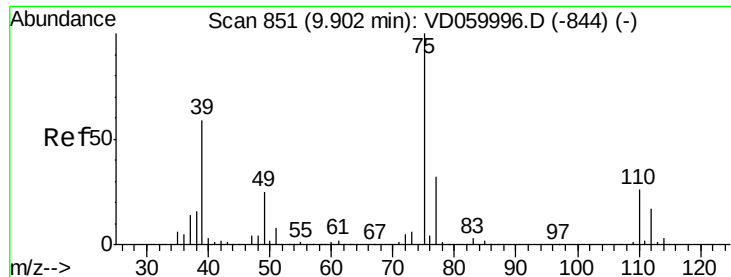
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 20.53 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 75 Resp: 377986

Ion Ratio Lower Upper

75 100

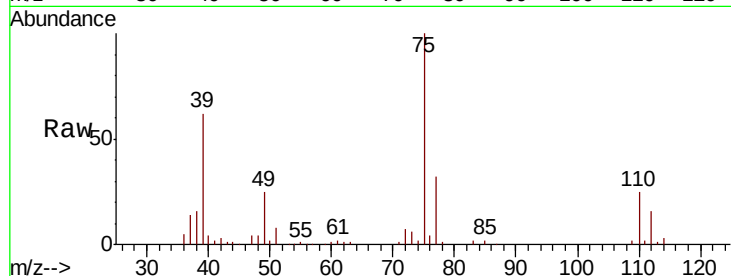
77 32.1 25.6 38.4

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

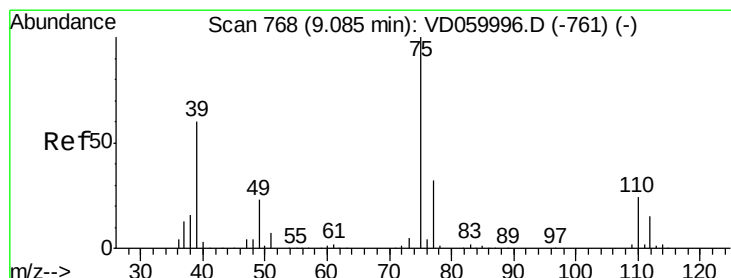
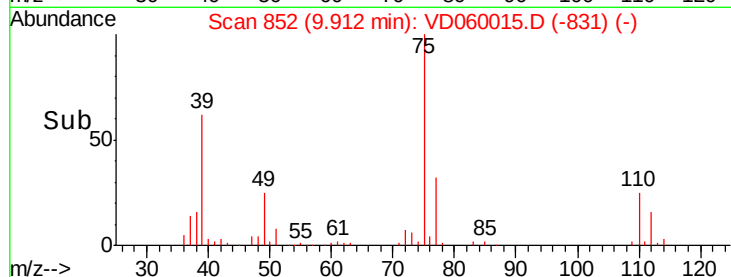
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.76 ug/l

RT: 9.10 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

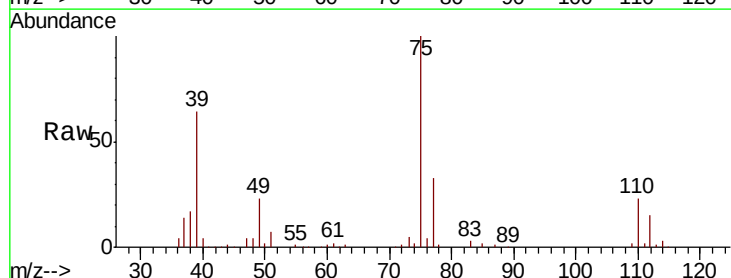
Tgt Ion: 75 Resp: 456671

Ion Ratio Lower Upper

75 100

77 33.2 25.5 38.3

39 64.1 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

250000

200000

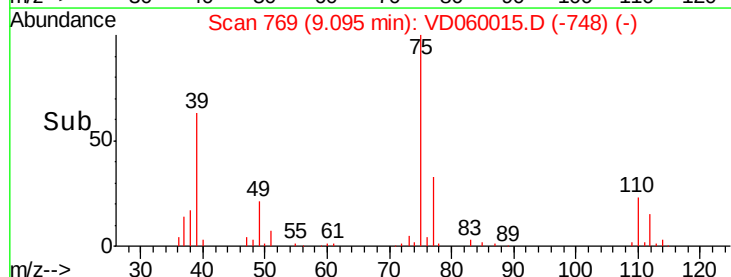
150000

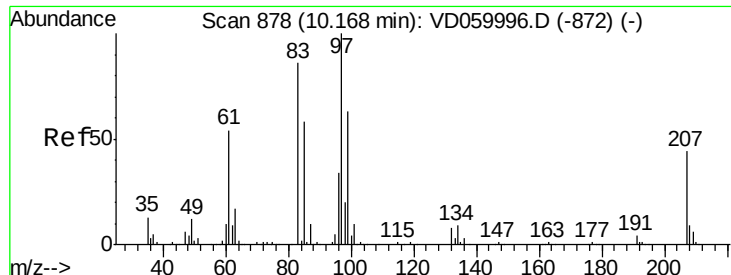
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.09 ug/l

RT: 10.18 min Scan# 879

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 97 Resp: 234708

Ion Ratio Lower Upper

97 100

83 85.8 69.1 103.7

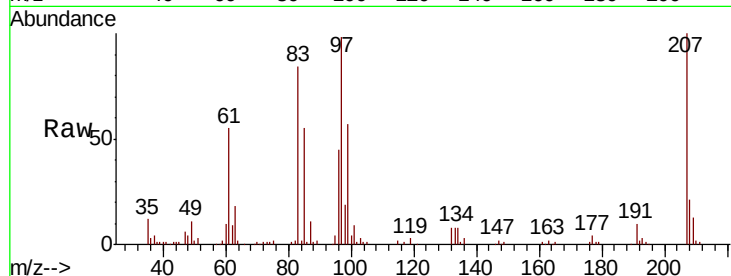
85 56.4 46.2 69.4

99 58.2 50.6 75.8

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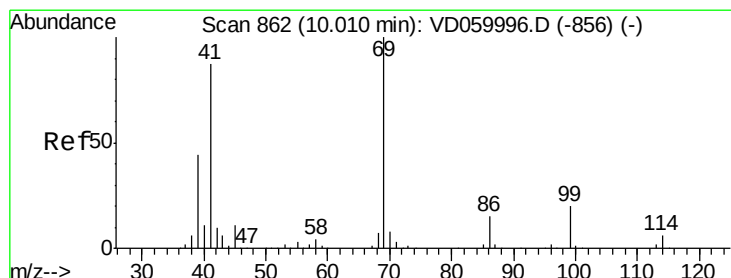
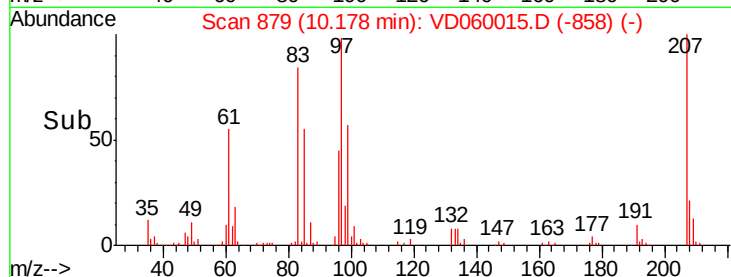
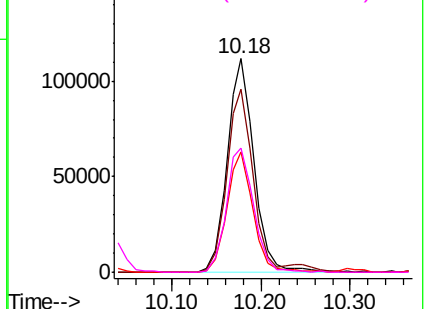


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.23 ug/l

RT: 10.03 min Scan# 864

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

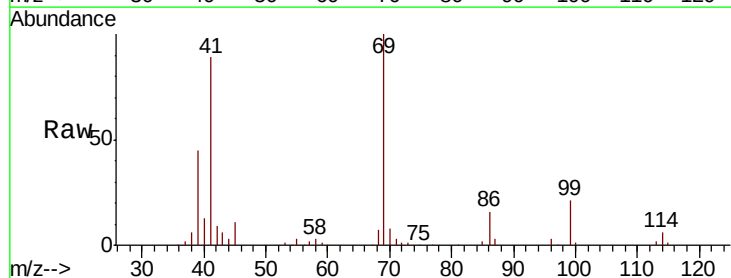
Tgt Ion: 69 Resp: 262135

Ion Ratio Lower Upper

69 100

41 89.4 70.1 105.1

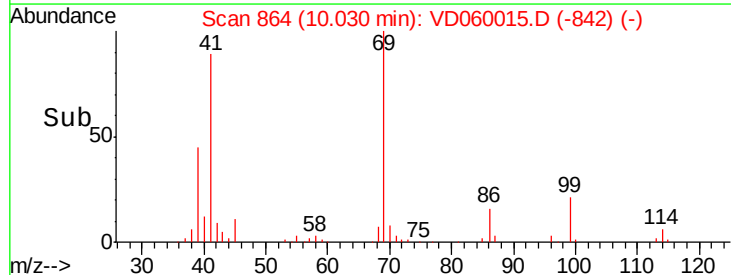
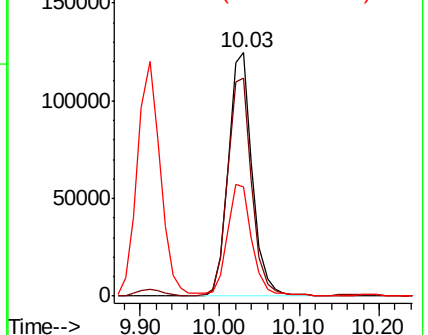
39 45.0 36.5 54.7

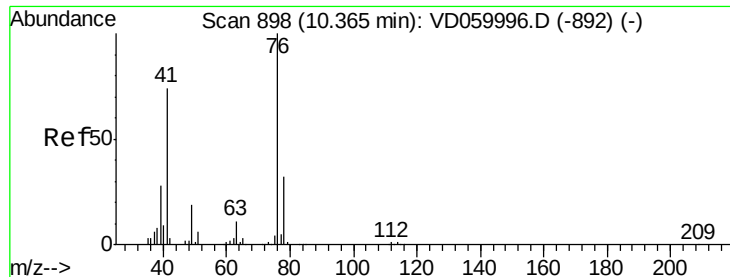


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





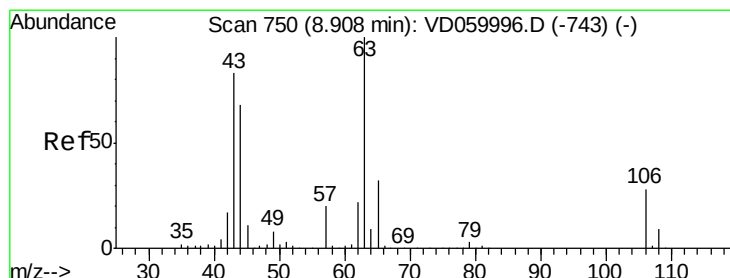
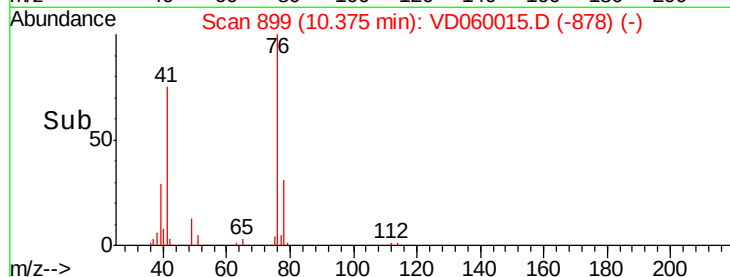
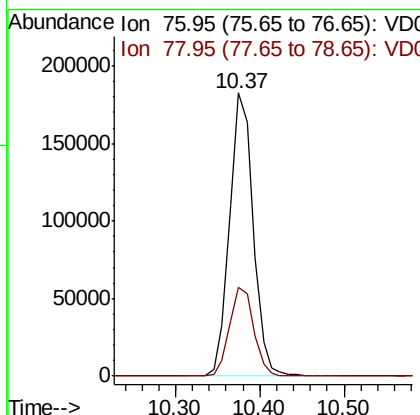
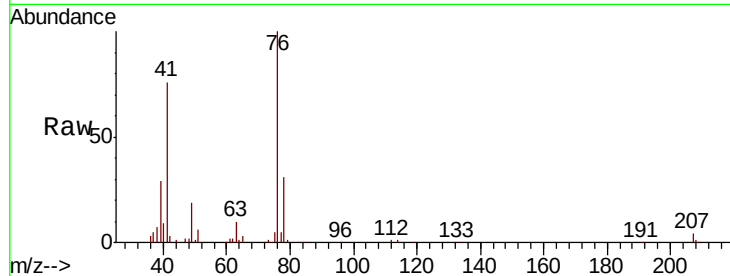
#57
 1,3-Dichloropropane
 Concen: 20.68 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion: 76 Resp: 356575
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.3 37.9

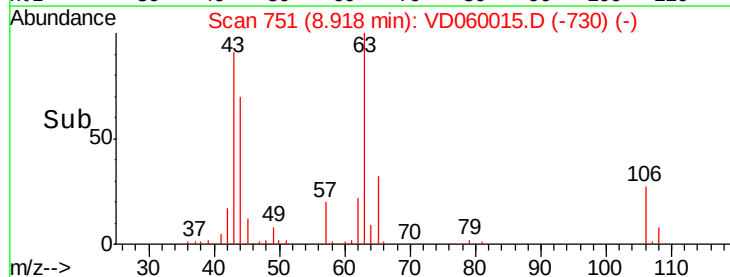
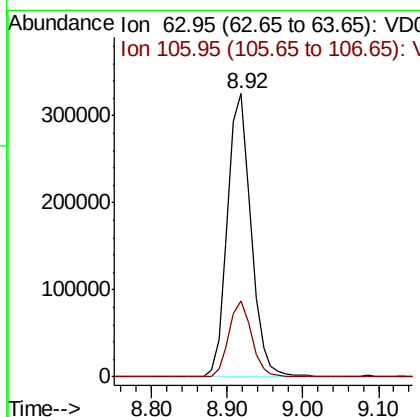
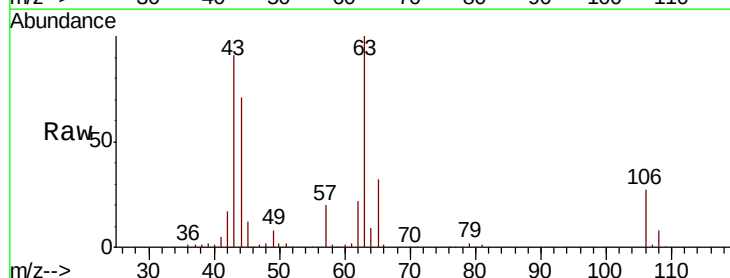
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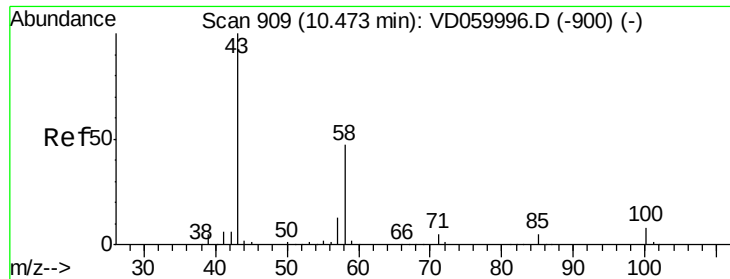
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.16 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 63 Resp: 701791
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.0 33.0





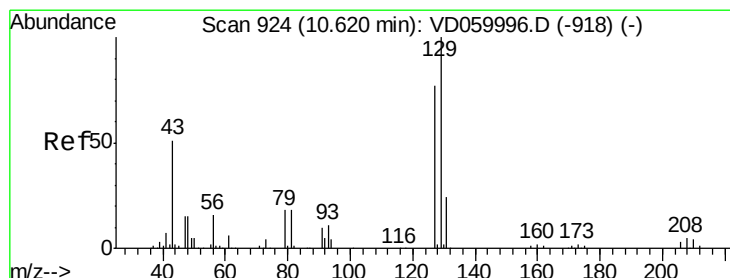
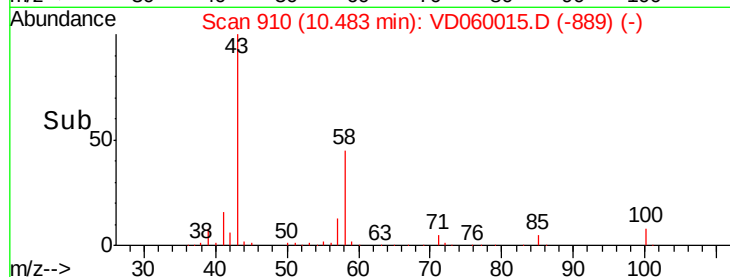
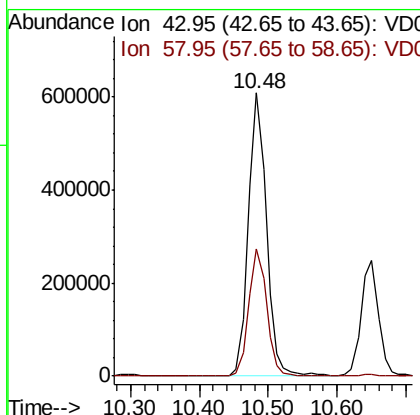
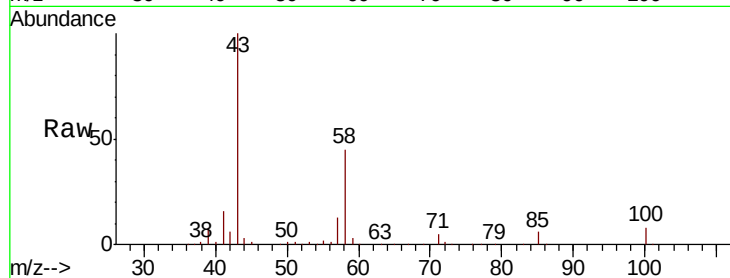
#59
2-Hexanone
Concen: 111.56 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 43 Resp: 1109141
Ion Ratio Lower Upper
43 100
58 45.0 23.4 70.0

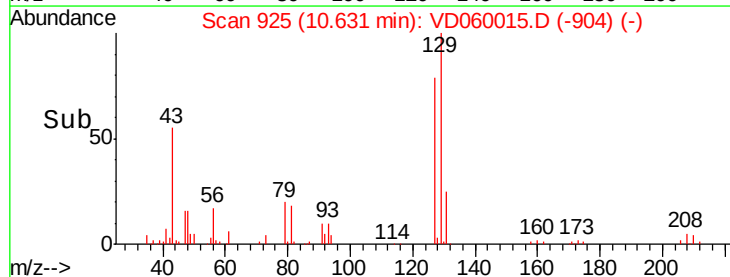
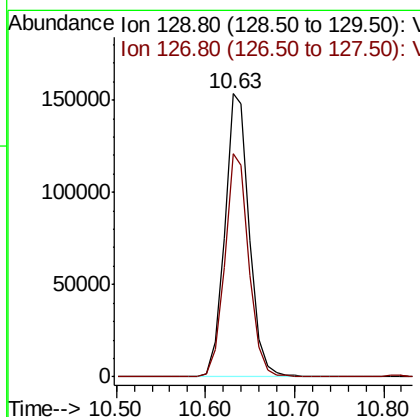
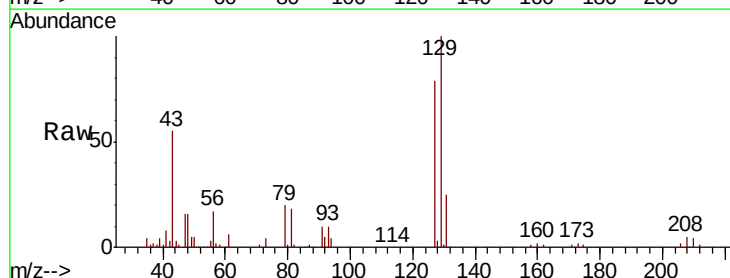
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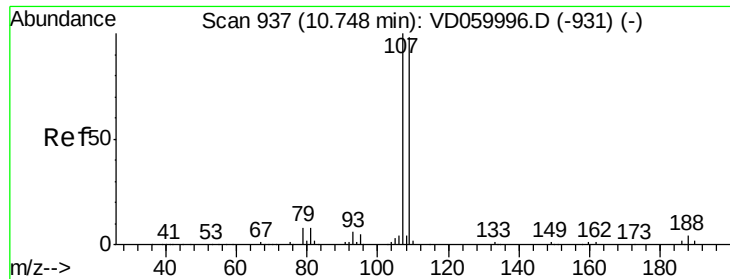
apatel
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#60
Dibromochloromethane
Concen: 20.88 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 129 Resp: 296928
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





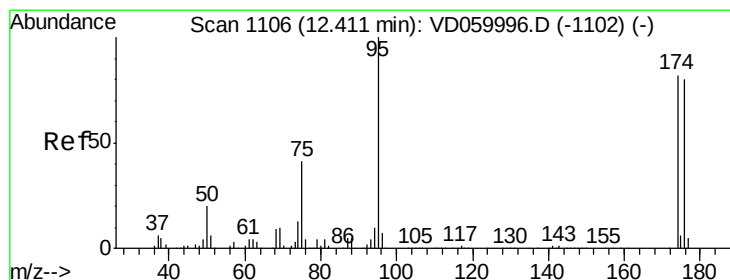
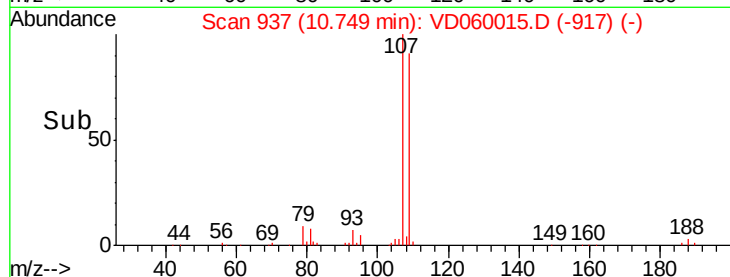
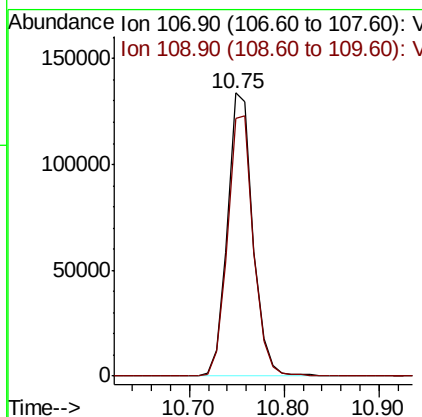
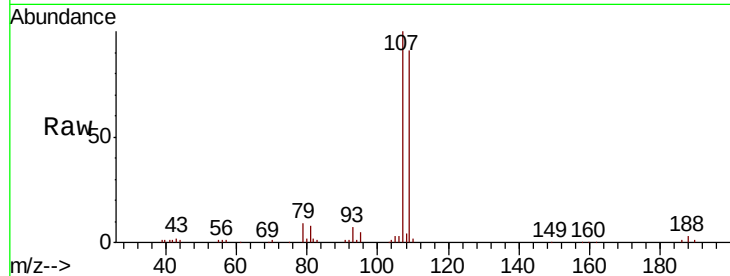
#61
 1,2-Dibromoethane
 Concen: 20.60 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion: 107 Resp: 248410
 Ion Ratio Lower Upper
 107 100
 109 91.0 78.2 117.2

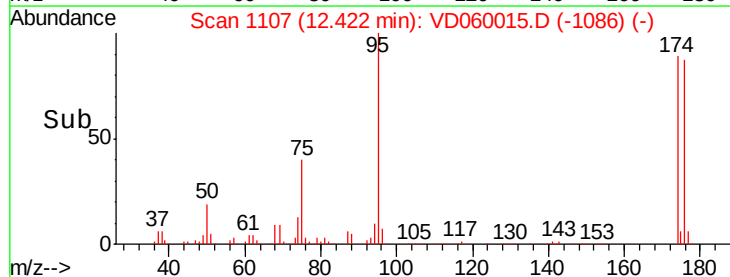
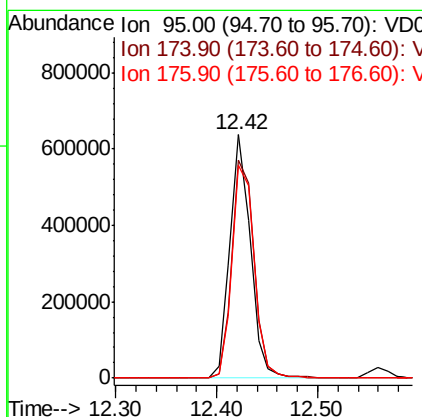
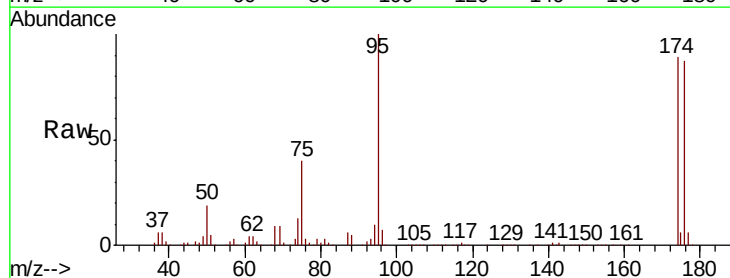
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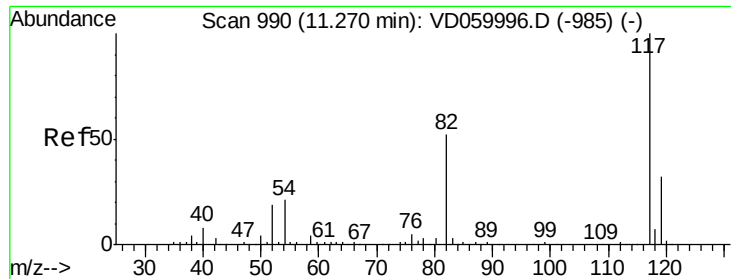
apatel
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#62
 4-Bromofluorobenzene
 Concen: 20.60 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 95 Resp: 900621
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 165.0
 176 87.3 0.0 160.2





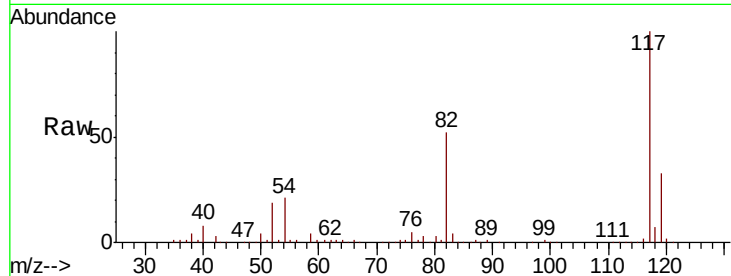
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

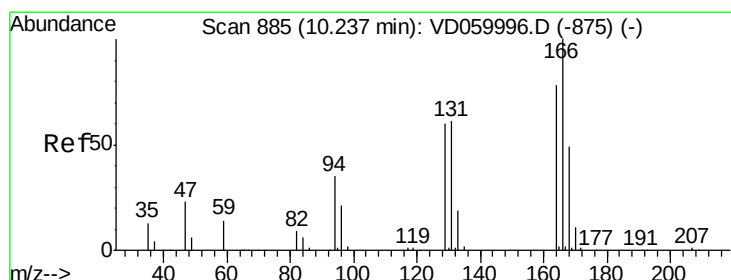
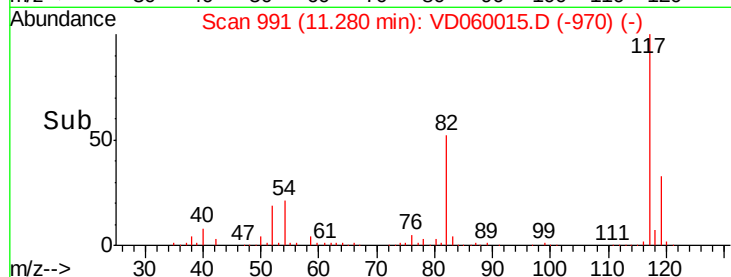
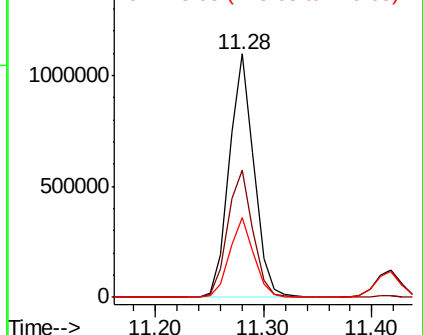
Tot Ion:117 Resp: 1737895
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 32.8 26.0 39.0

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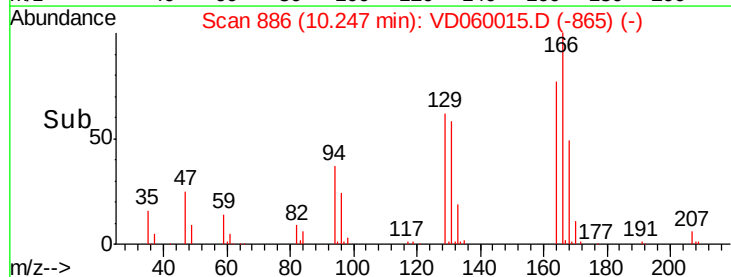
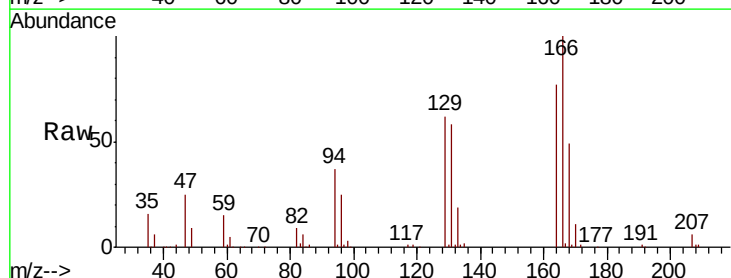
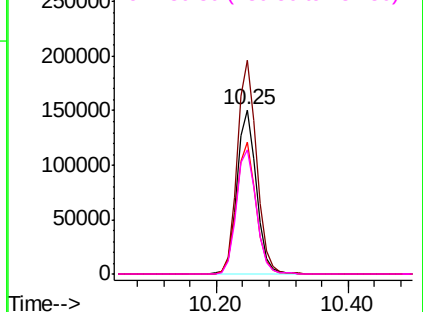
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

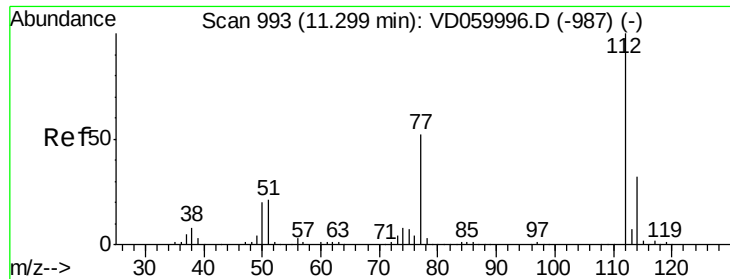


#64
Tetrachloroethene
Concen: 20.37 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:164 Resp: 312309
Ion Ratio Lower Upper
164 100
166 130.3 103.0 154.6
129 80.4 61.9 92.9
131 75.5 62.6 93.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





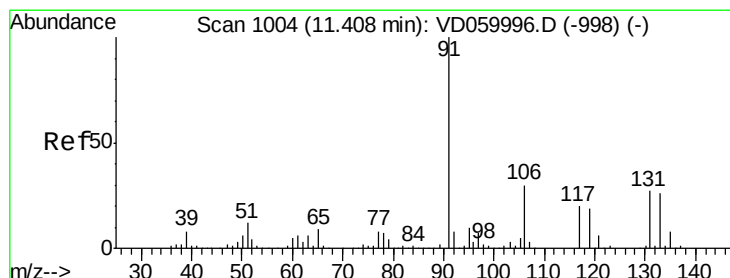
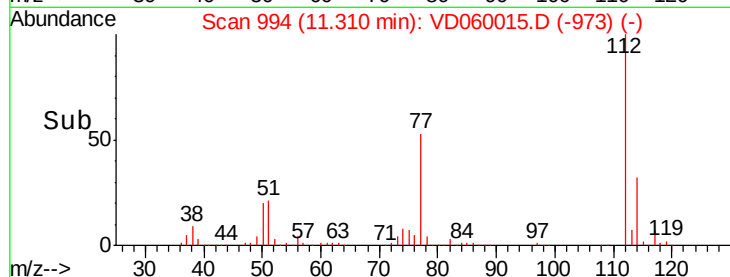
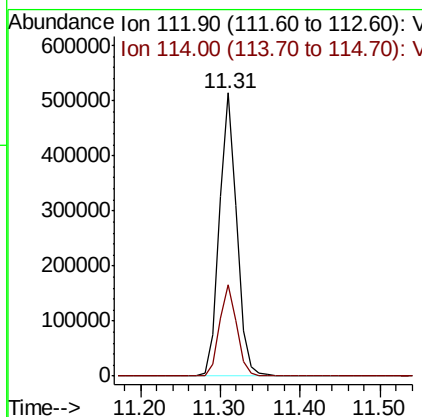
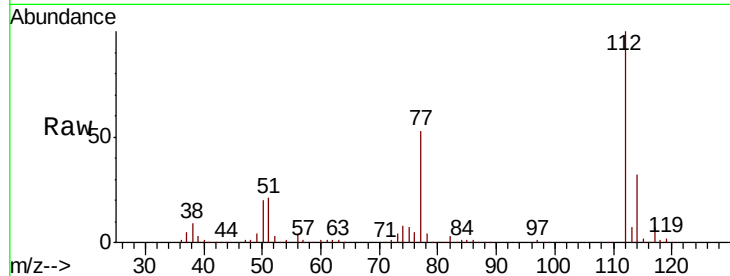
#65
Chlorobenzene
Concen: 21.25 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion:112 Resp: 794064
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

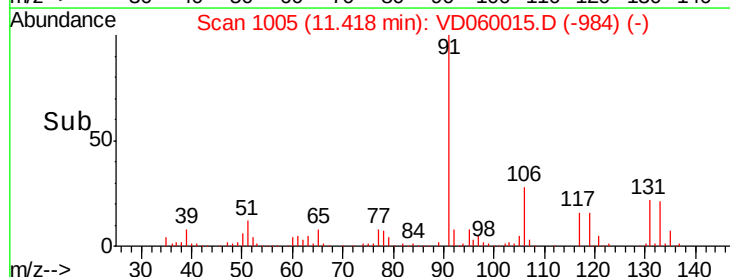
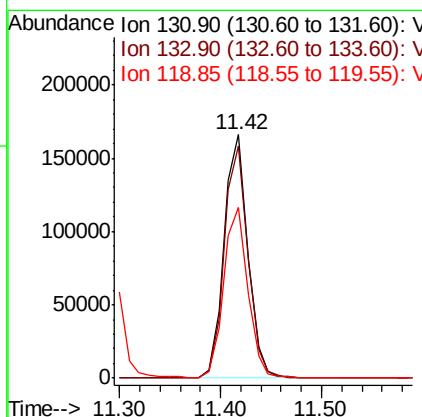
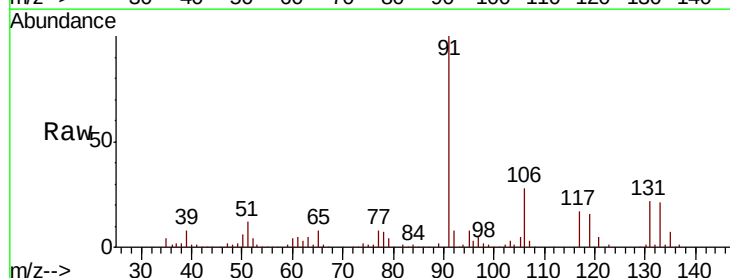
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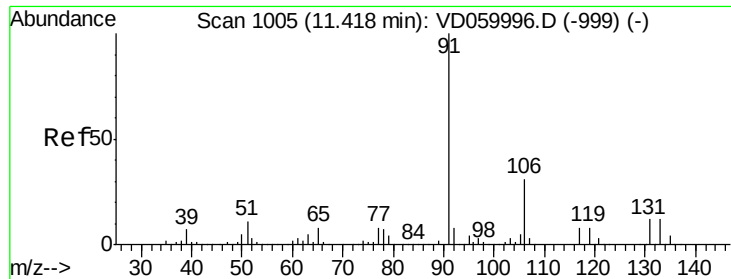
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.61 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:131 Resp: 272301
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 70.3 35.6 106.9





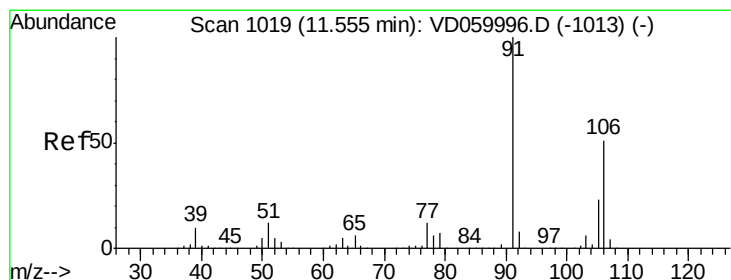
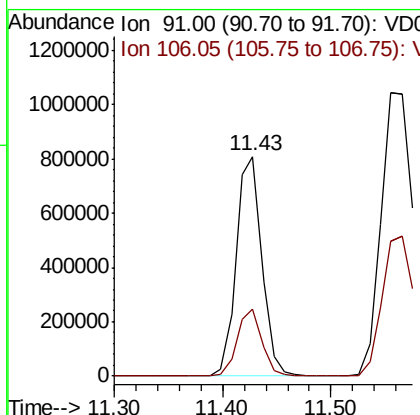
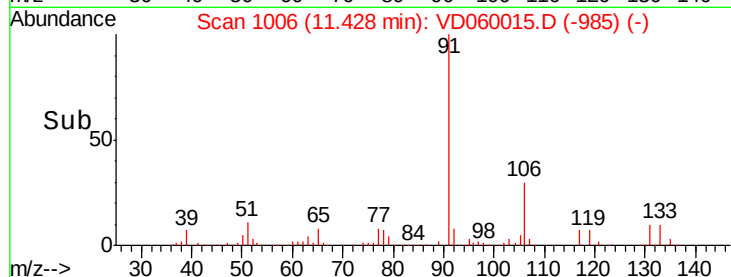
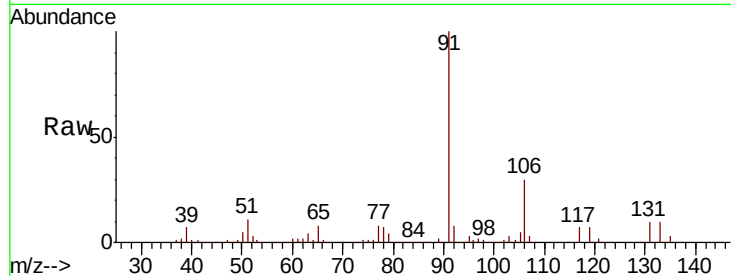
#67
Ethyl Benzene
Concen: 22.14 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 91 Resp: 1331437
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2

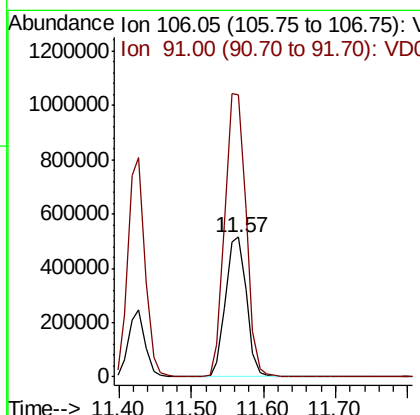
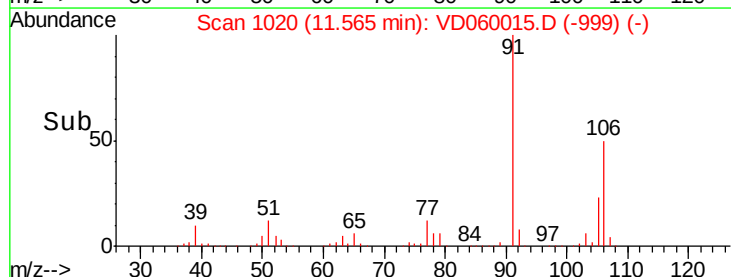
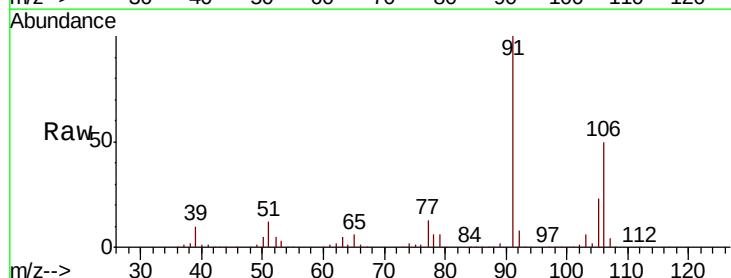
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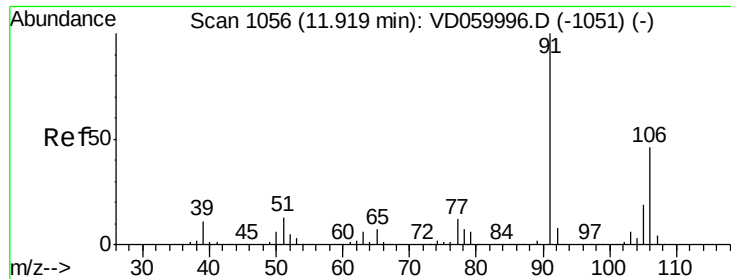
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#68
m/p-Xylenes
Concen: 46.61 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 106 Resp: 1035074
Ion Ratio Lower Upper
106 100
91 201.5 157.0 235.6





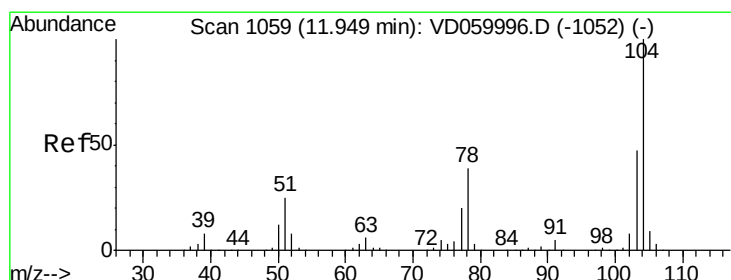
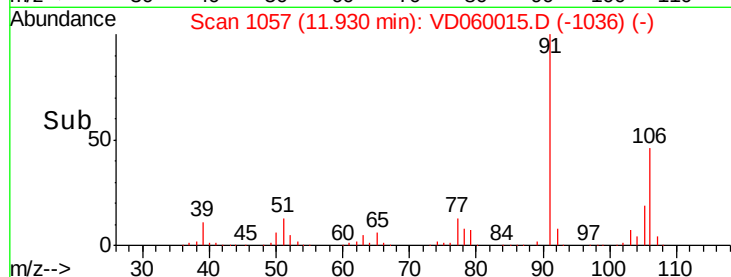
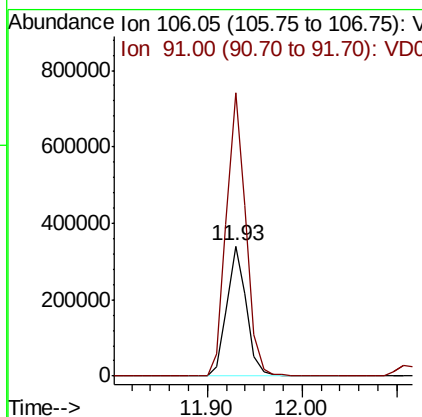
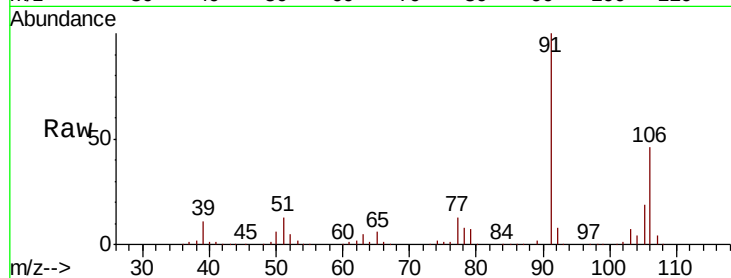
#69
o-Xylene
Concen: 21.90 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion:106 Resp: 481953
Ion Ratio Lower Upper
106 100
91 218.1 107.7 323.1

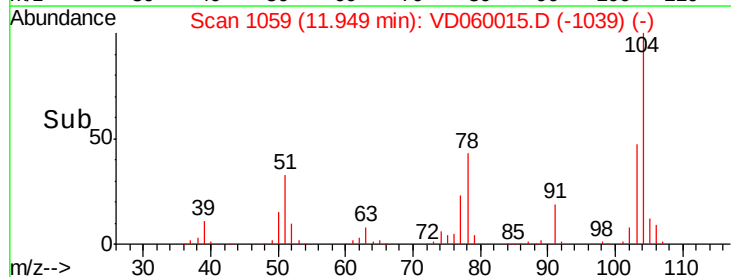
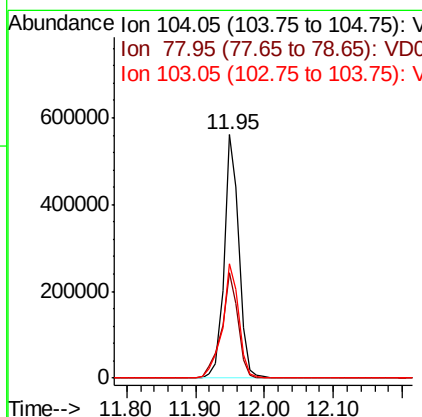
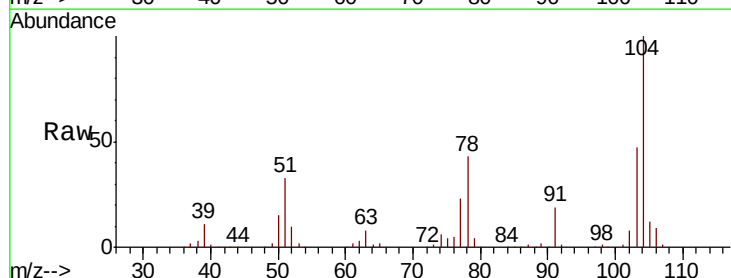
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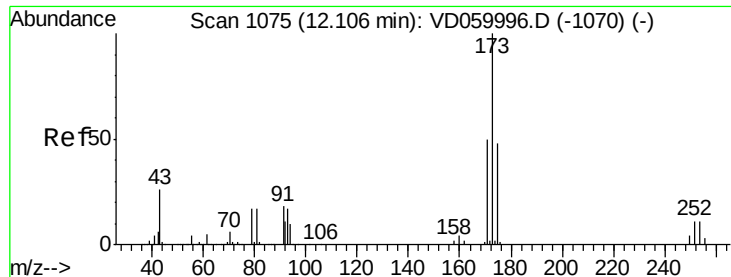
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#70
Styrene
Concen: 22.33 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:104 Resp: 825983
Ion Ratio Lower Upper
104 100
78 43.4 31.0 46.4
103 47.2 37.6 56.4





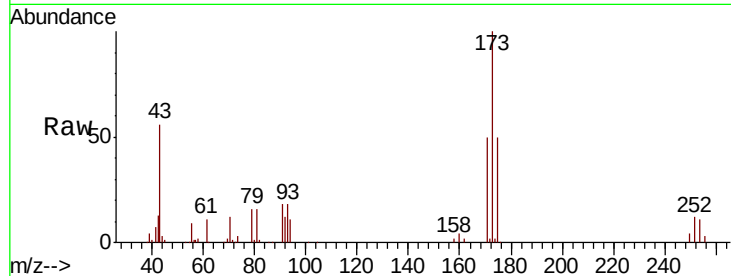
#71
Bromoform
Concen: 19.06 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

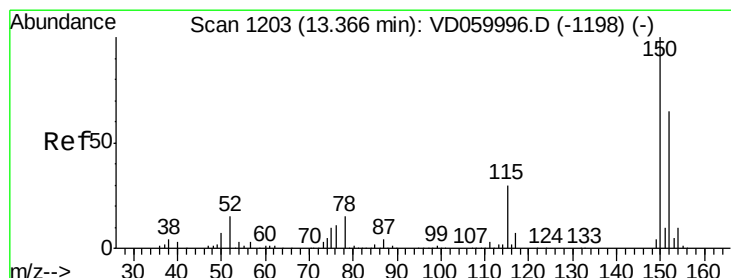
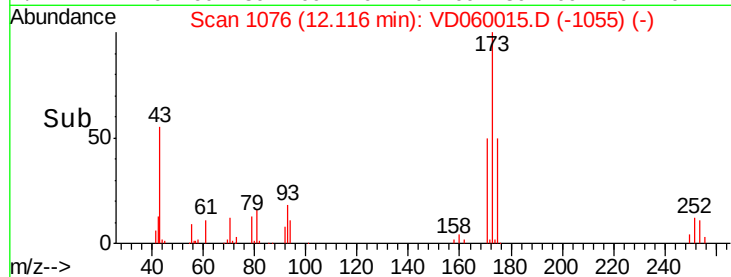
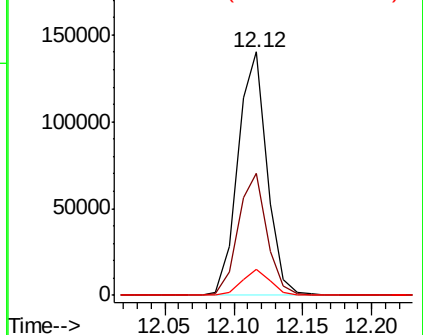
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.0	72.0
254	10.6	8.6	13.0

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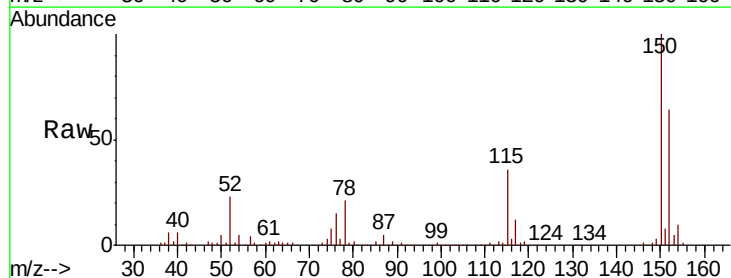


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

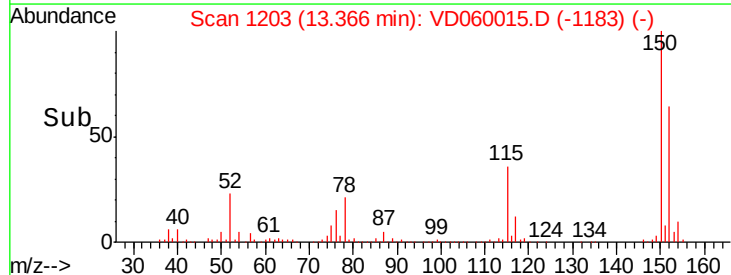
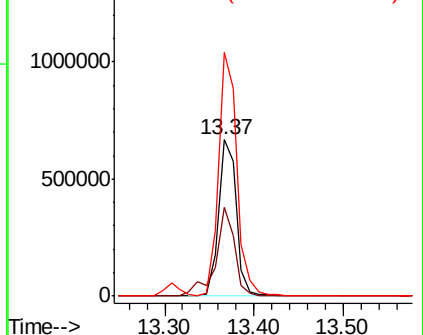


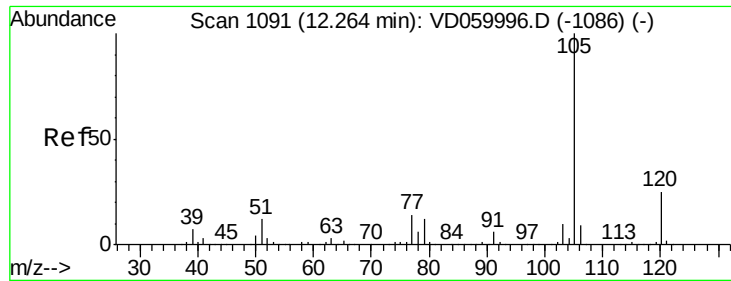
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	24.6	73.8
150	155.8	0.0	313.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.18 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:105 Resp: 1297940

Ion Ratio Lower Upper

105 100

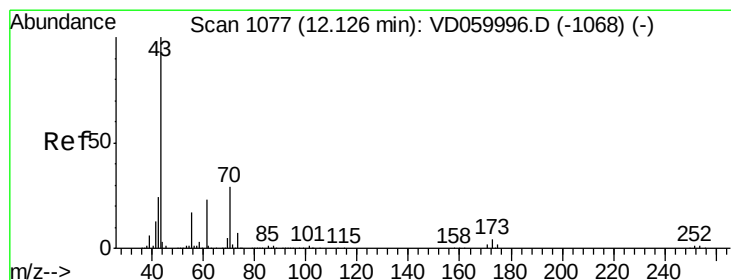
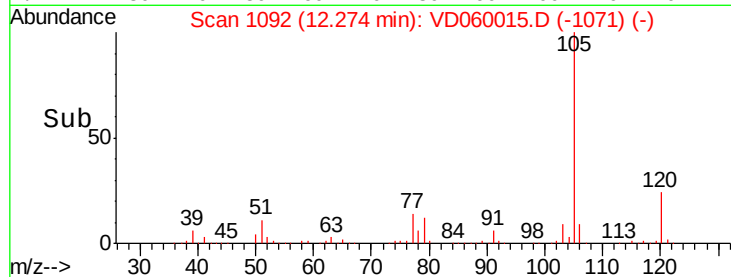
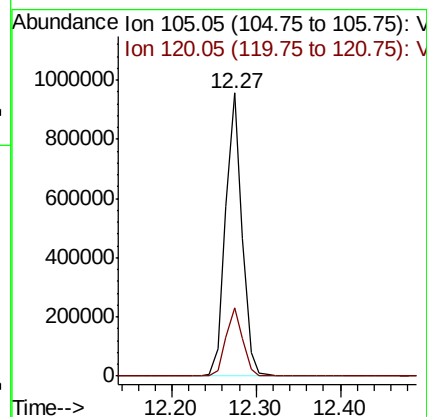
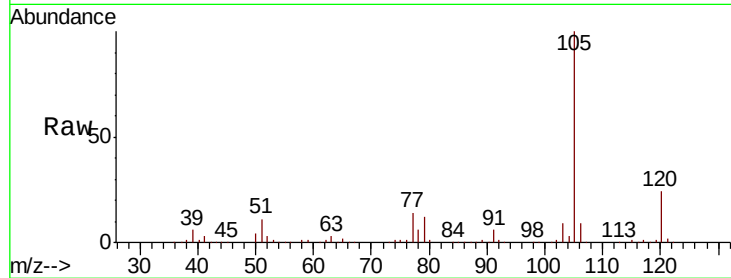
120 24.1 12.3 36.9

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#74

N-ethyl acetate

Concen: 19.92 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion: 43 Resp: 483585

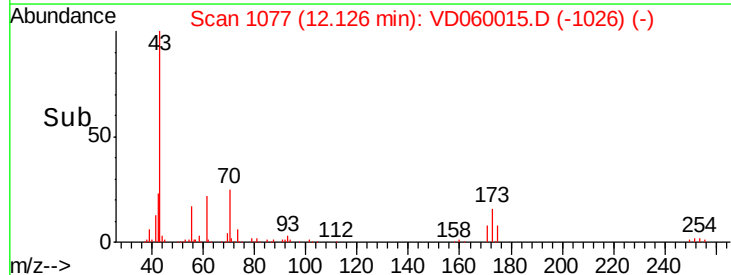
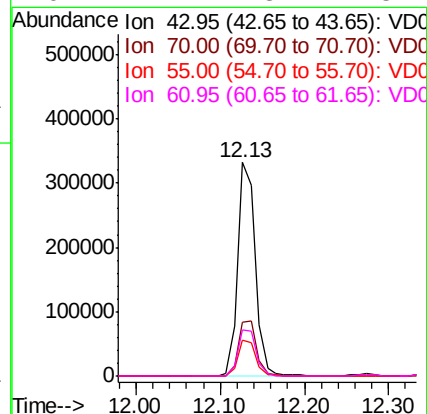
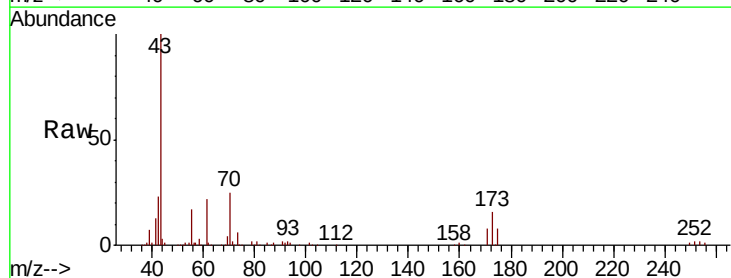
Ion Ratio Lower Upper

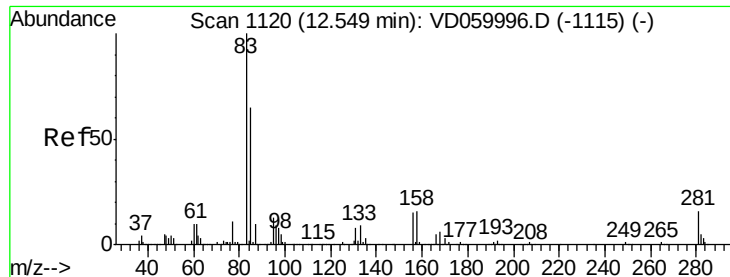
43 100

70 25.2 22.9 34.3

55 16.8 14.0 21.0

61 21.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.77 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 83 Resp: 288720

Ion Ratio Lower Upper

83 100

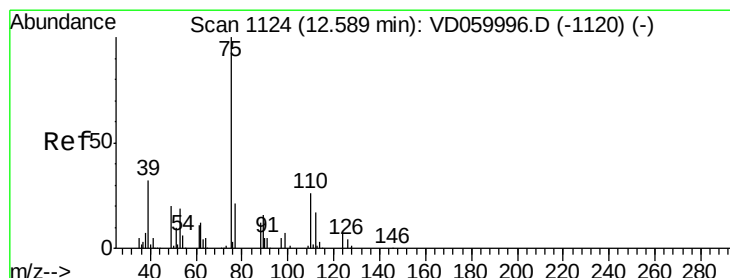
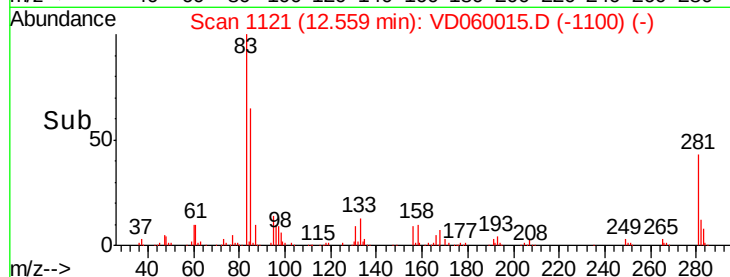
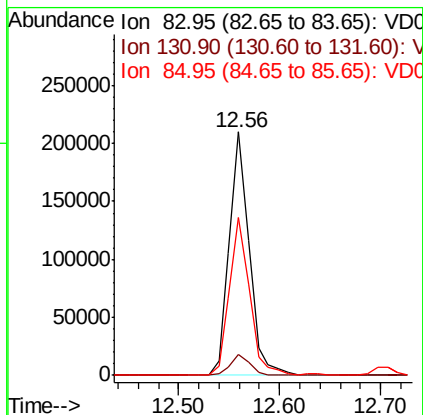
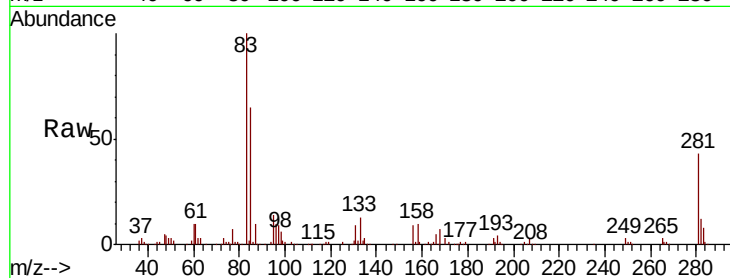
131 8.6 4.1 12.3

85 64.7 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 20.22 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060015.D

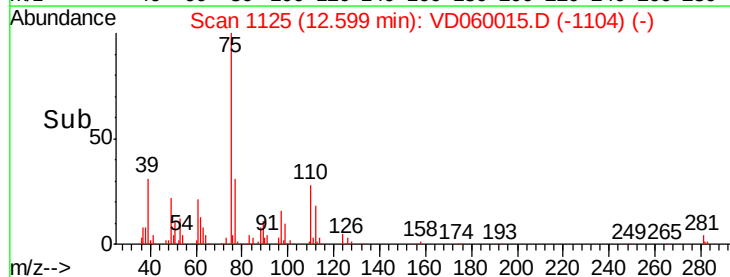
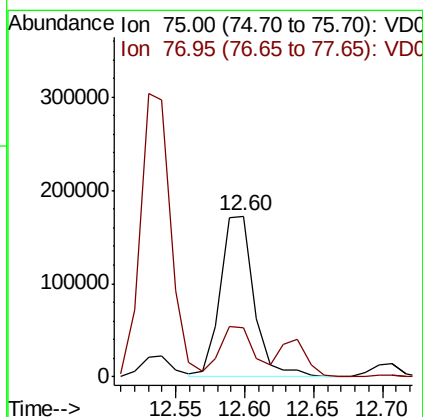
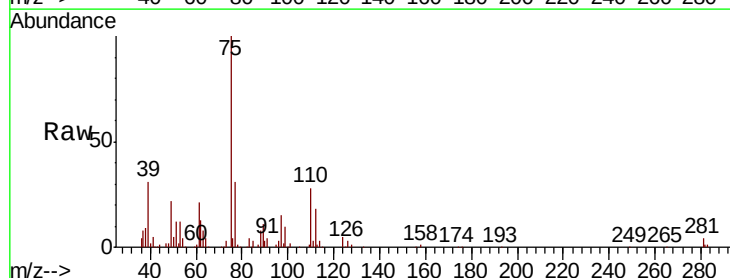
Acq: 17 Sep 2018 12:20

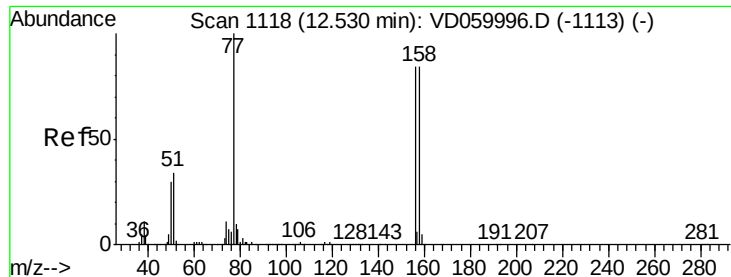
Tgt Ion: 75 Resp: 288507

Ion Ratio Lower Upper

75 100

77 30.8 16.4 49.4





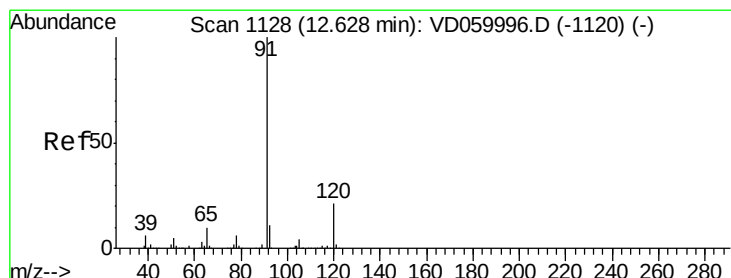
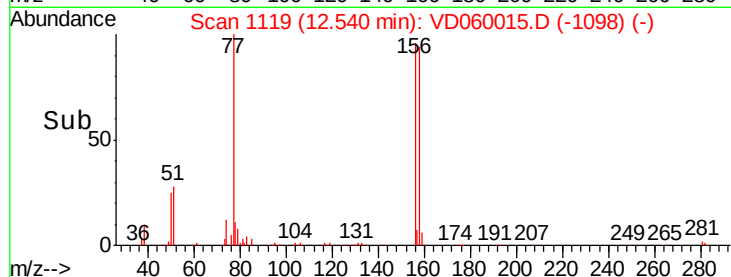
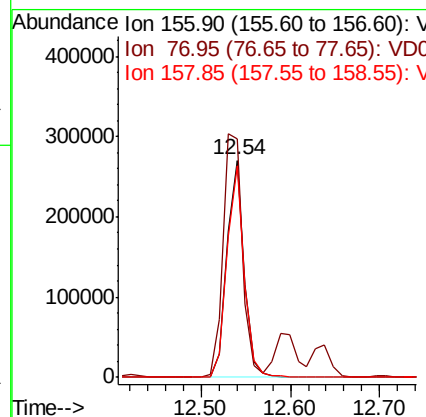
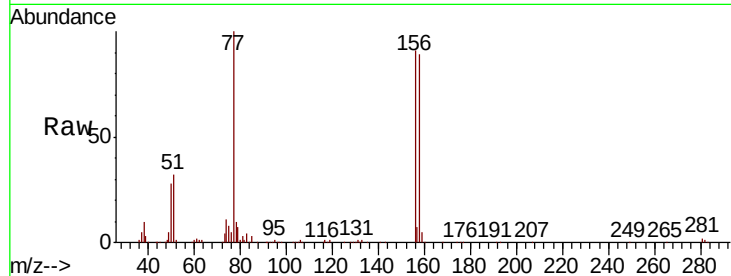
#77
Bromobenzene
Concen: 21.11 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	372731		
77	109.9	59.5	178.4	
158	97.4	50.0	149.8	

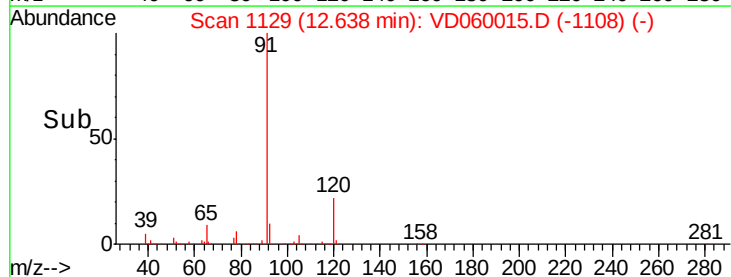
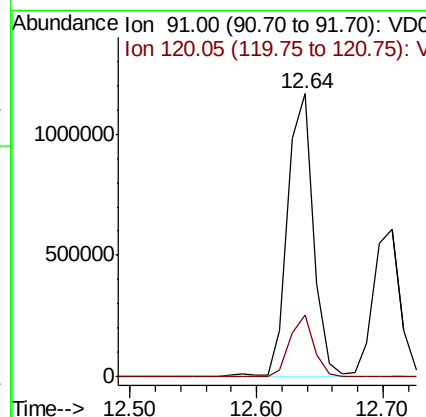
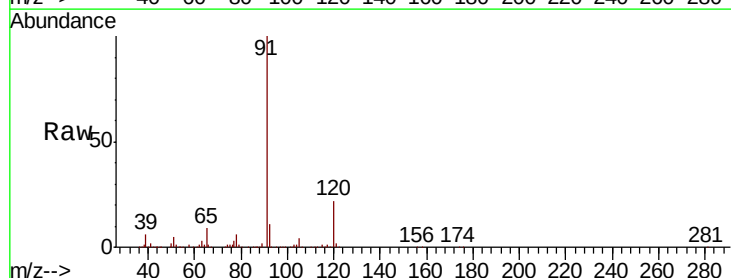
Manual Integrations
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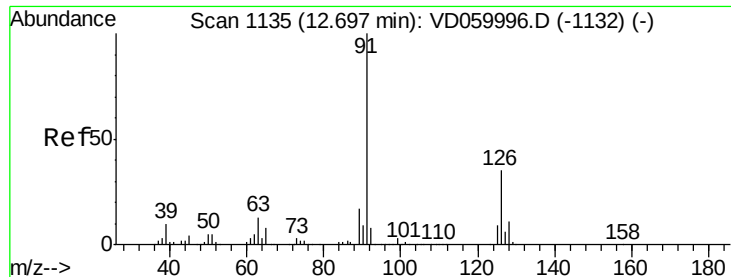
apatel
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#78
n-propylbenzene
Concen: 21.62 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1665959		
120	21.9	10.7	31.9	





#79

2-Chlorotoluene

Concen: 20.81 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBSD01

Tot Ion: 91 Resp: 905158

Ion Ratio Lower Upper

91 100

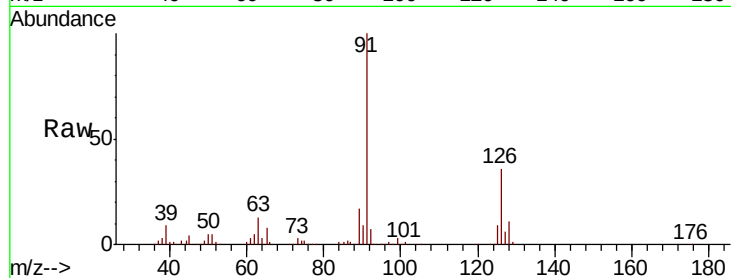
126 35.6 17.3 52.0

Manual Integrations

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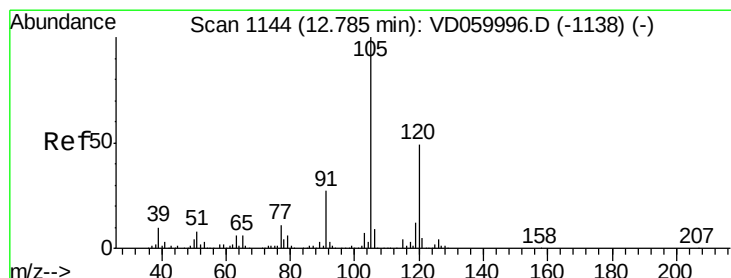
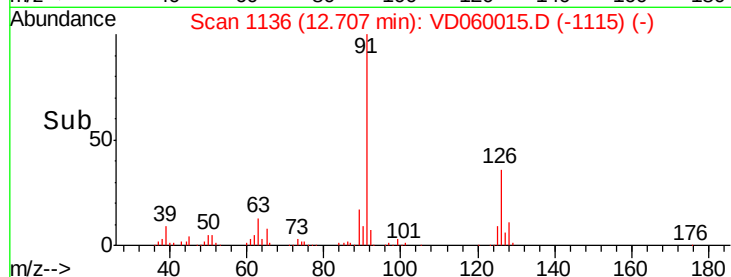
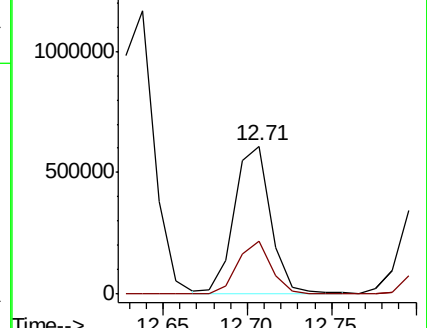
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.94 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD060015.D

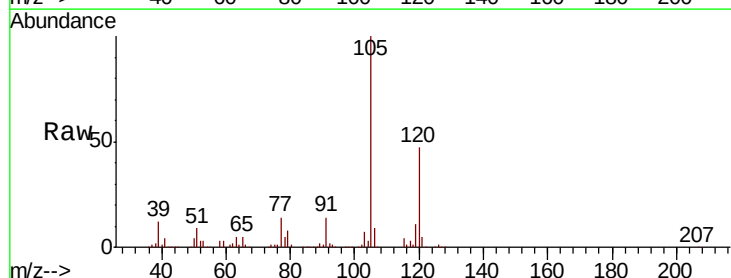
Acq: 17 Sep 2018 12:20

Tgt Ion: 105 Resp: 1030699

Ion Ratio Lower Upper

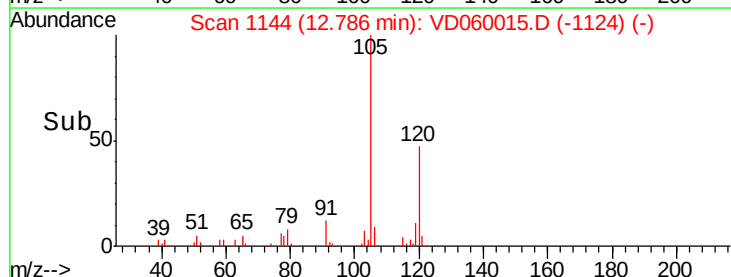
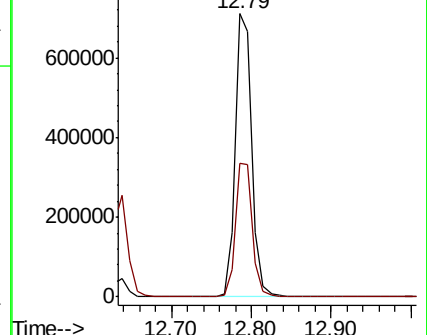
105 100

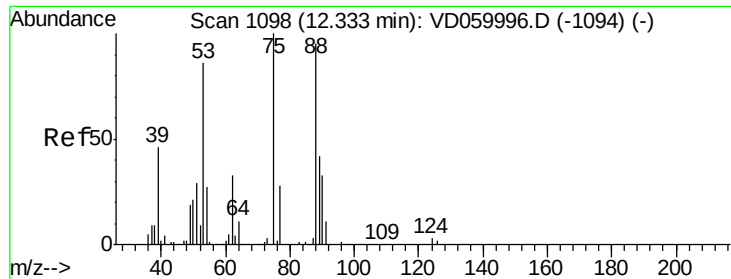
120 47.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.17 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 75 Resp: 82599

Ion Ratio Lower Upper

75 100

53 88.1 68.4 102.6

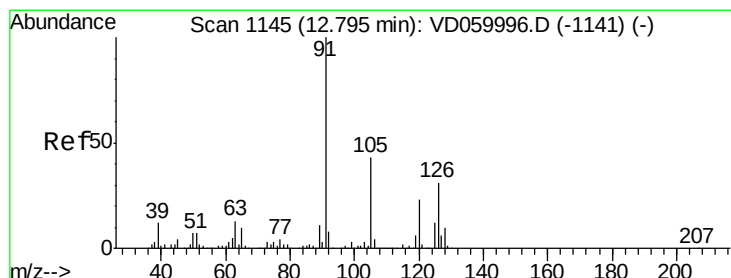
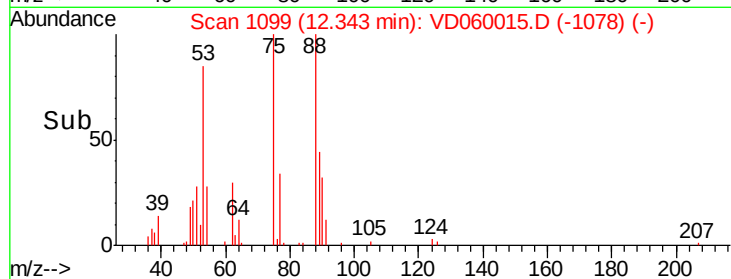
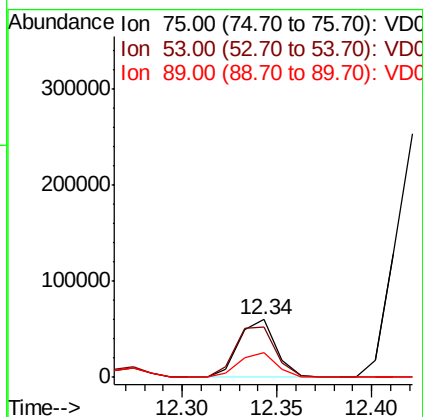
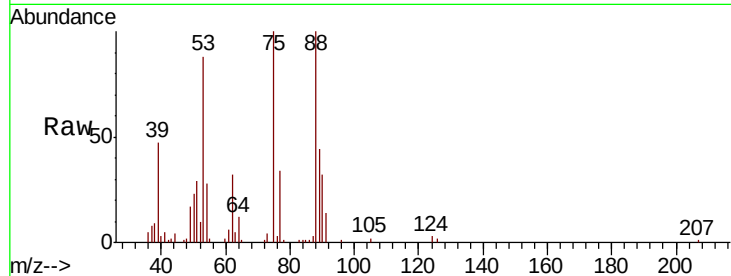
89 43.7 33.8 50.6

Manual Integrations

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#82

4-Chlorotoluene

Concen: 21.18 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060015.D

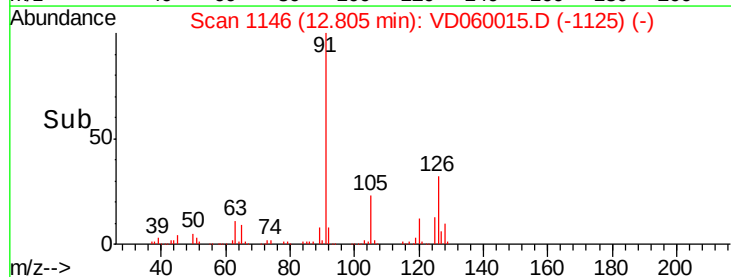
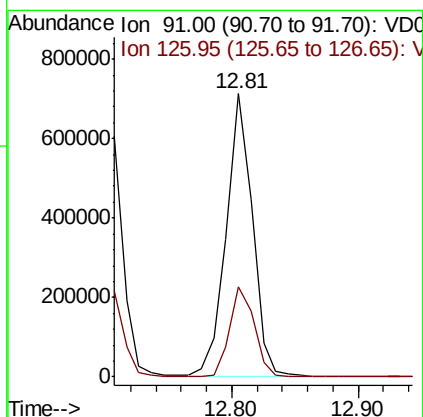
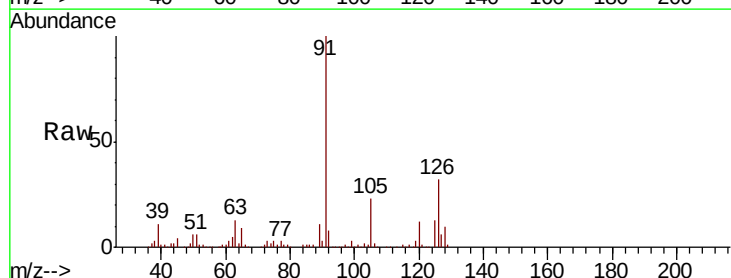
Acq: 17 Sep 2018 12:20

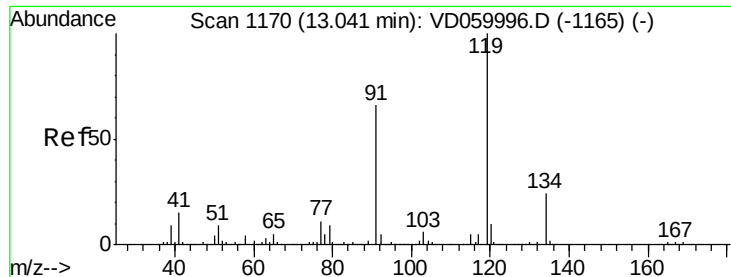
Tgt Ion: 91 Resp: 1012904

Ion Ratio Lower Upper

91 100

126 32.0 15.4 46.1





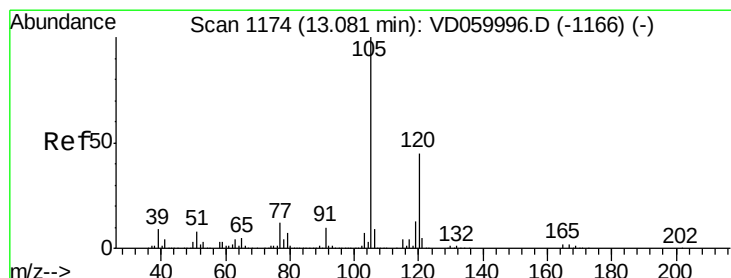
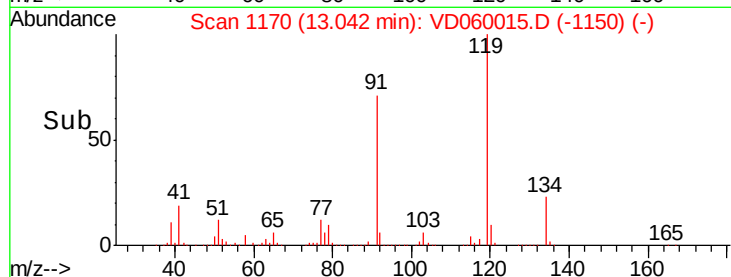
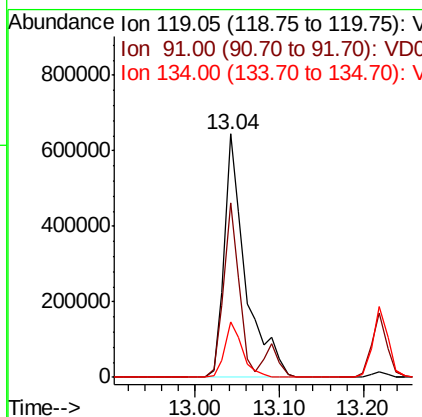
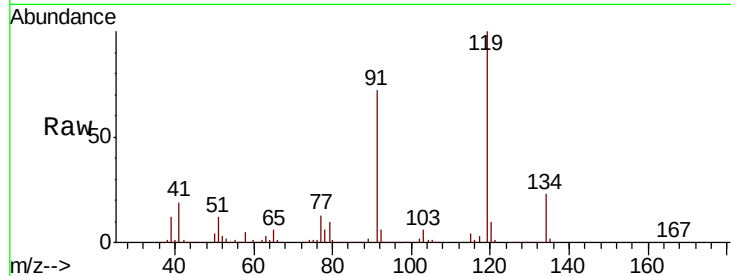
#83
 tert-Butylbenzene
 Concen: 21.02 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion:119 Resp: 1143914
 Ion Ratio Lower Upper
 119 100
 91 71.7 32.9 98.6
 134 22.5 12.0 36.0

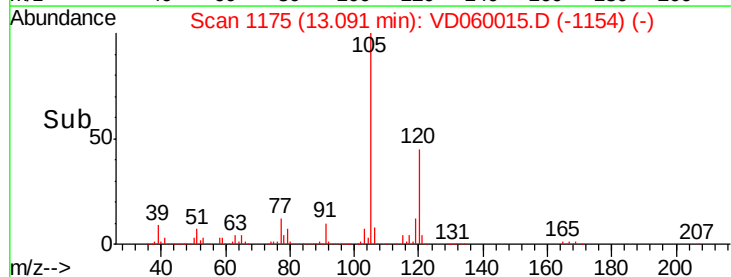
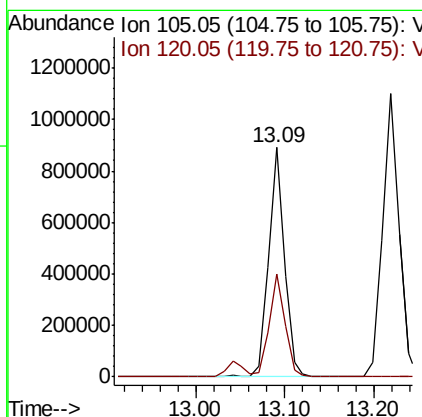
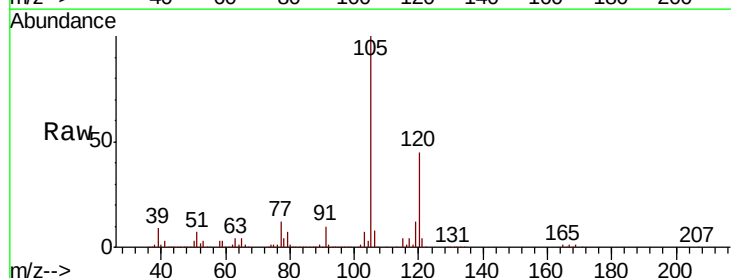
Manual Integrations
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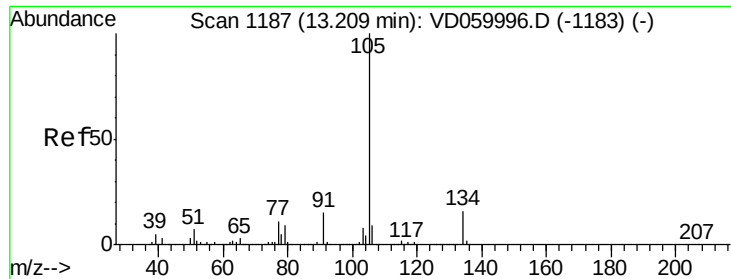
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.66 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion:105 Resp: 1085789
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.56 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:105 Resp: 1392371

Ion Ratio Lower Upper

105 100

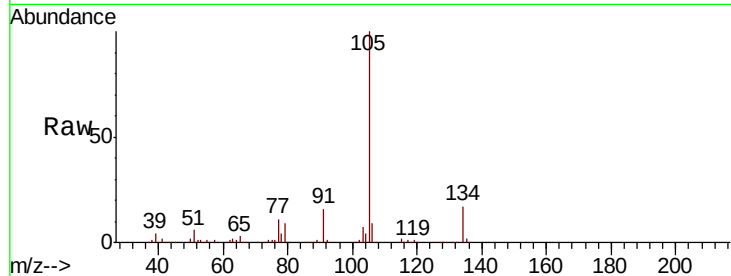
134 17.1 8.2 24.6

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

1200000

1000000

800000

600000

400000

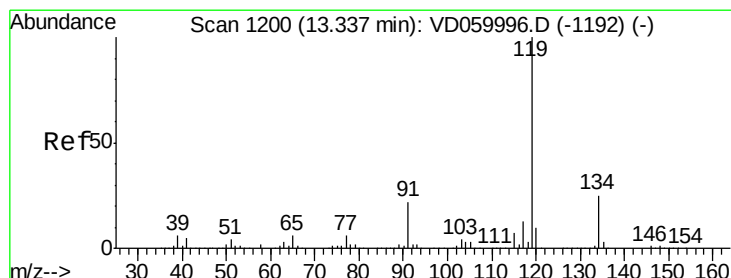
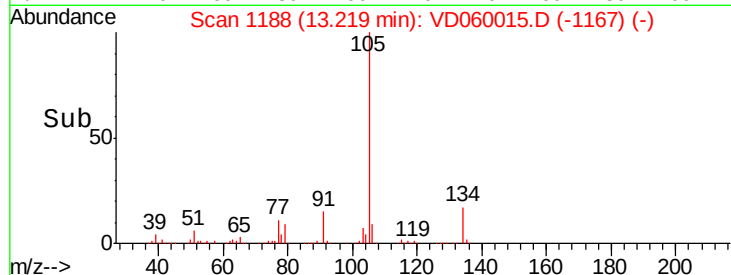
200000

0

13.22

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 22.04 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

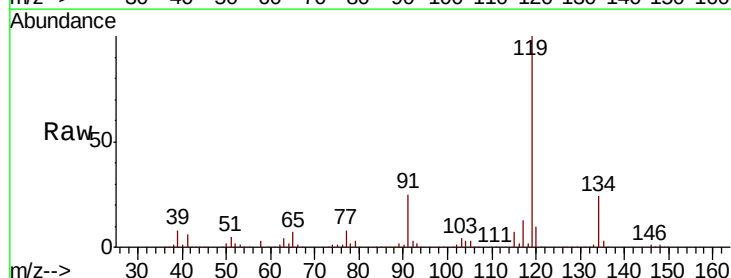
Tgt Ion:119 Resp: 1151667

Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

91 25.1 11.1 33.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

400000

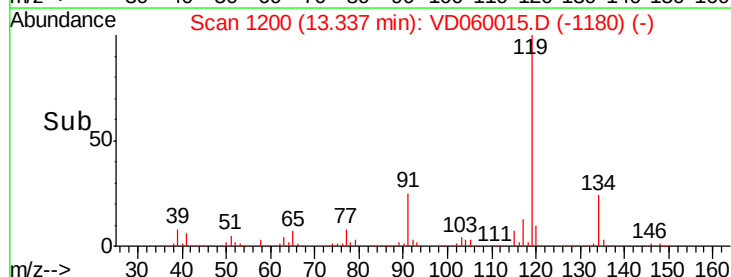
200000

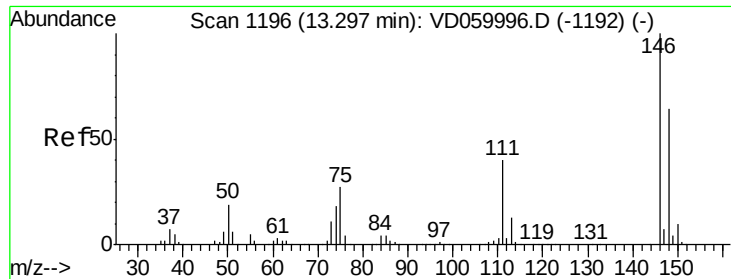
0

13.34

13.40

Time-->





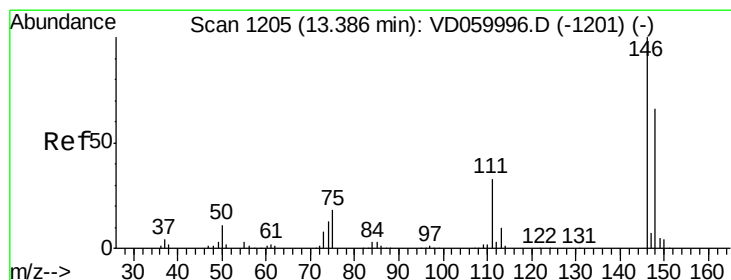
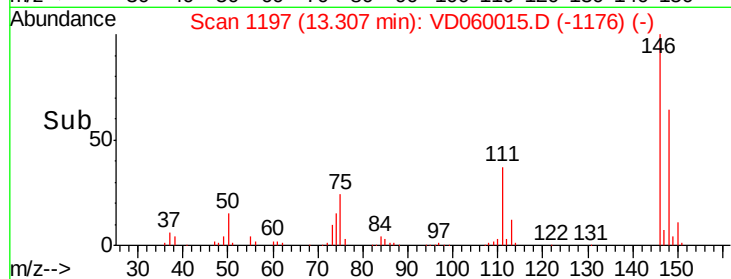
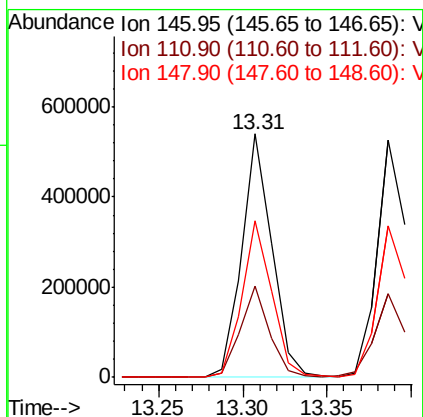
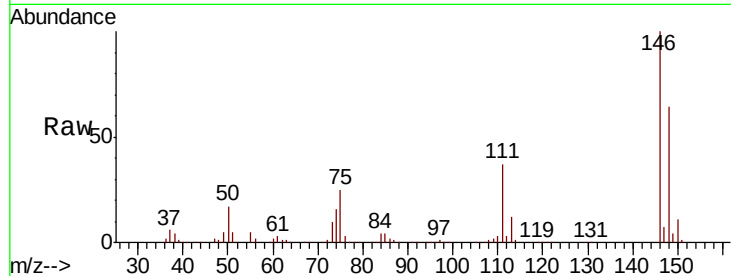
#87
 1,3-Dichlorobenzene
 Concen: 21.83 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.2	60.5
148	64.5	32.0	96.2

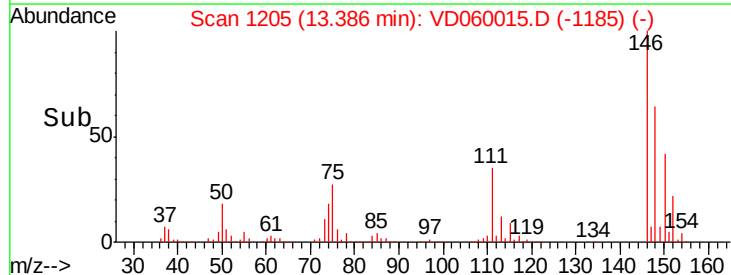
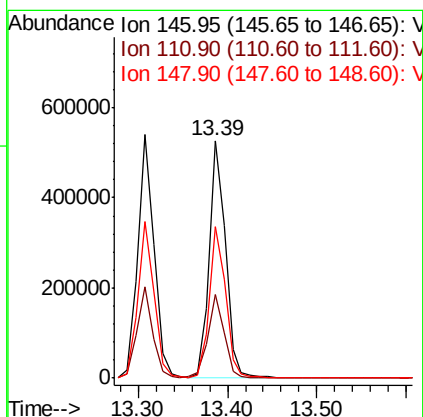
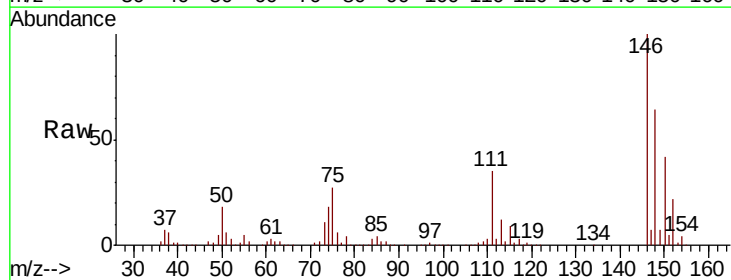
Manual Integrations
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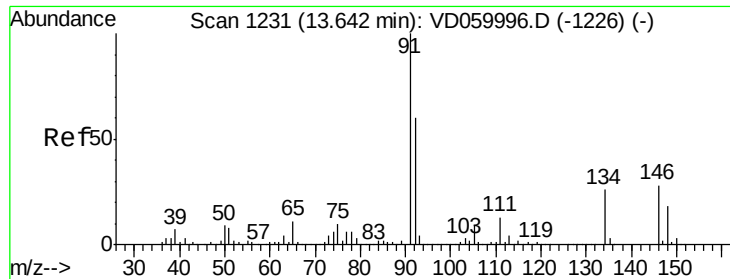
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.17 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	16.7	50.0
148	63.9	32.9	98.6





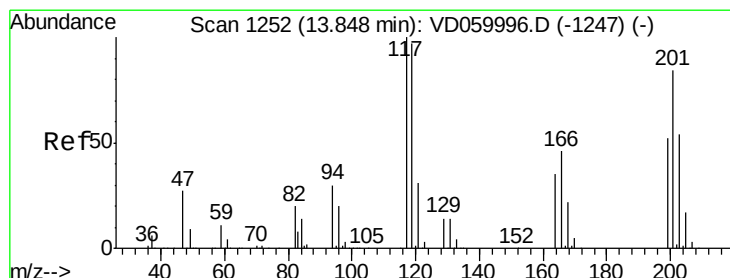
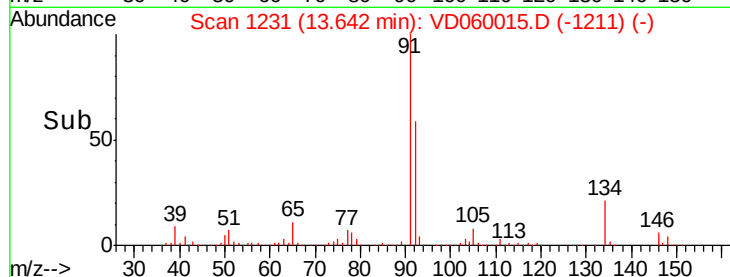
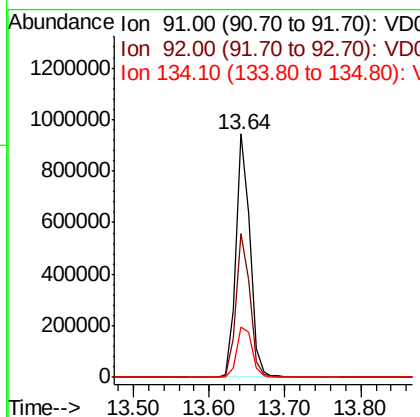
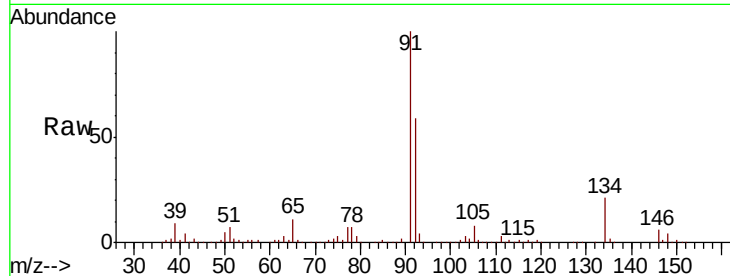
#89
n-Butylbenzene
Concen: 21.14 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 91 Resp: 1188529
Ion Ratio Lower Upper
91 100
92 59.2 29.8 89.3
134 20.9 13.2 39.6

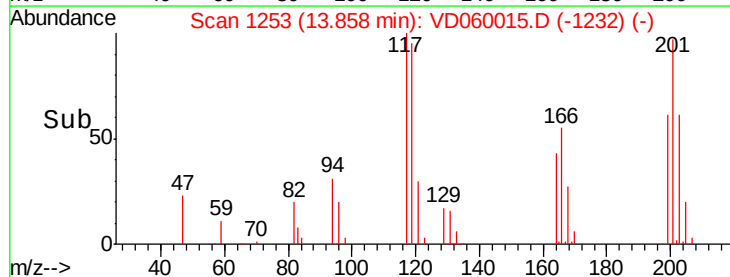
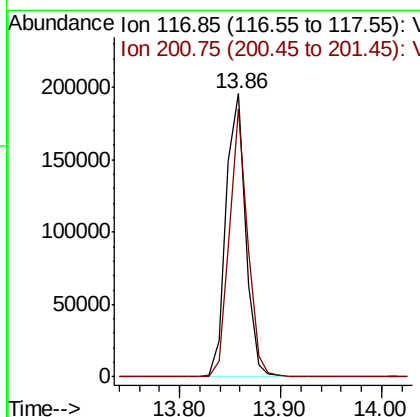
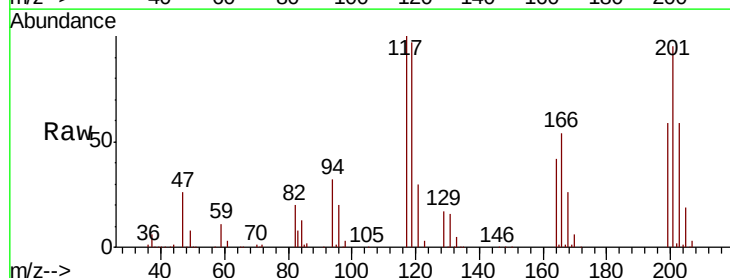
Manual Integrations
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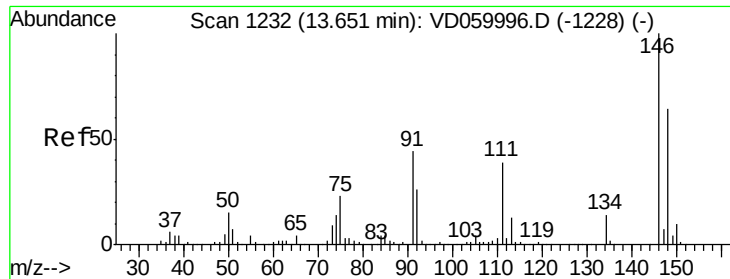
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#90
Hexachloroethane
Concen: 20.38 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 117 Resp: 263725
Ion Ratio Lower Upper
117 100
201 94.7 42.1 126.4





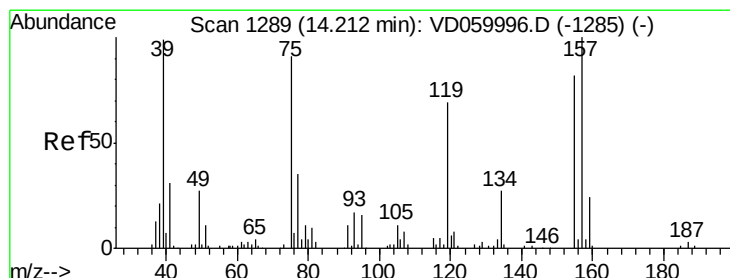
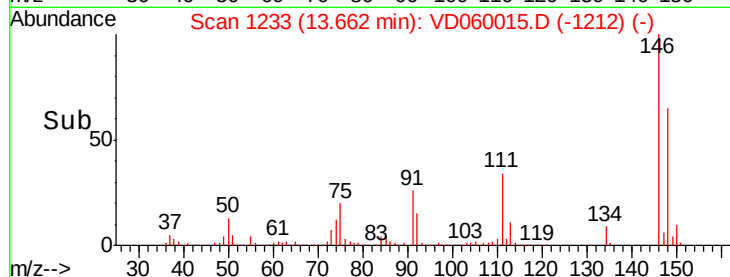
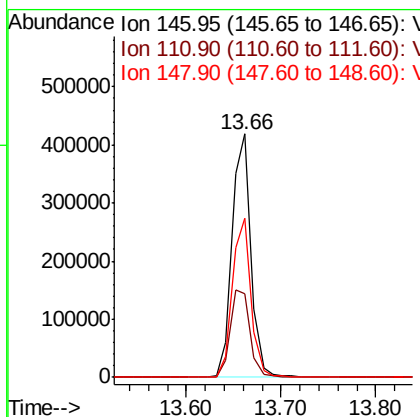
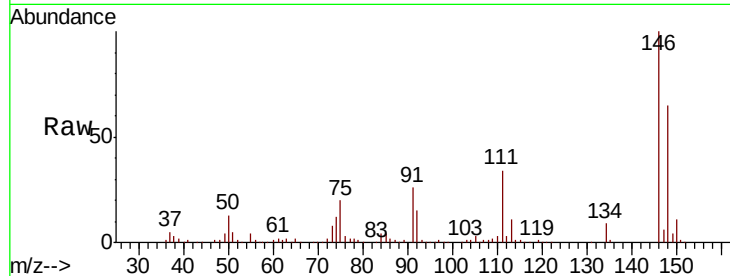
#91
 1,2-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.4	19.6	58.7
148	65.4	31.9	95.7

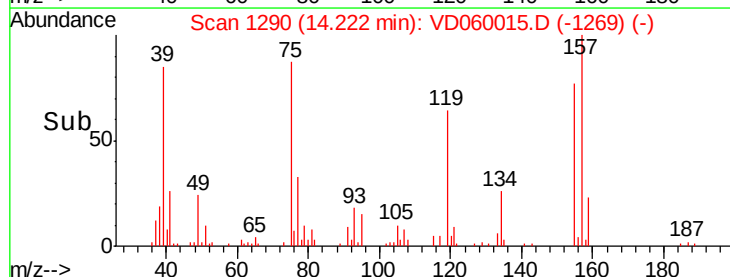
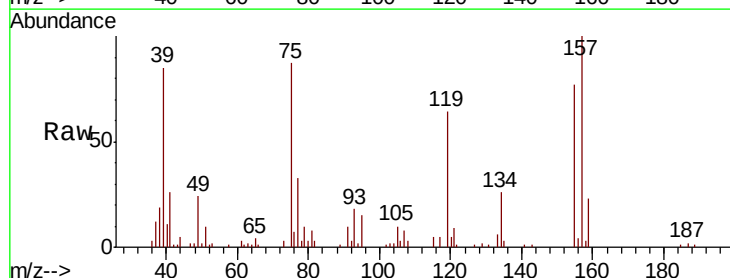
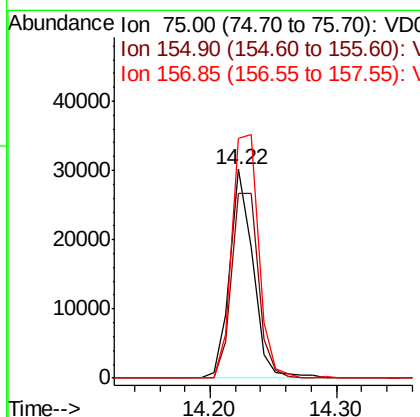
Manual Integrations
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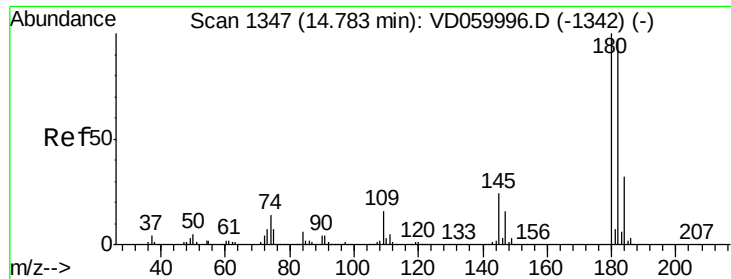
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.94 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	44.7	134.1
157	114.9	54.7	164.1





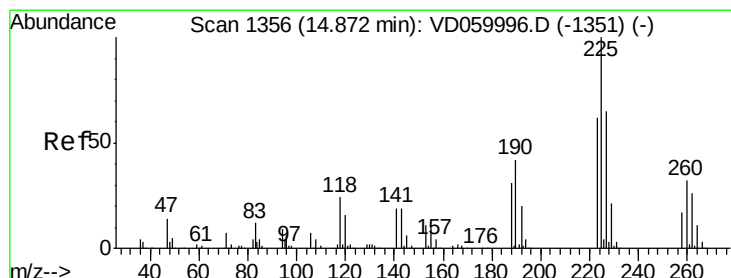
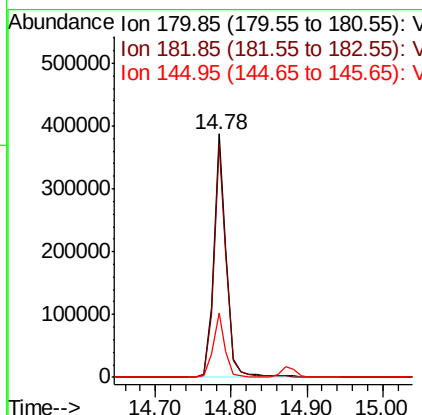
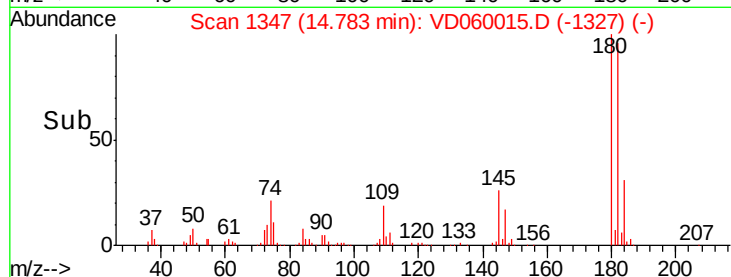
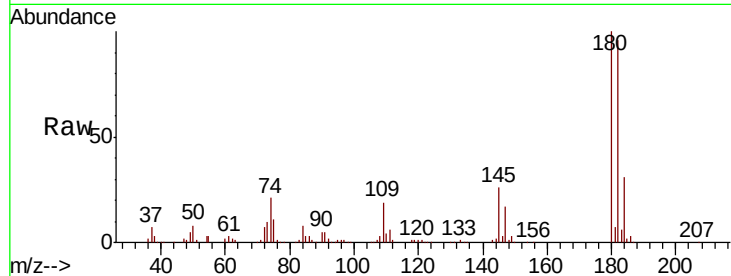
#93
 1,2,4-Trichlorobenzene
 Concen: 20.82 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	455454		
182	96.0	48.5	145.6	
145	26.3	11.9	35.7	

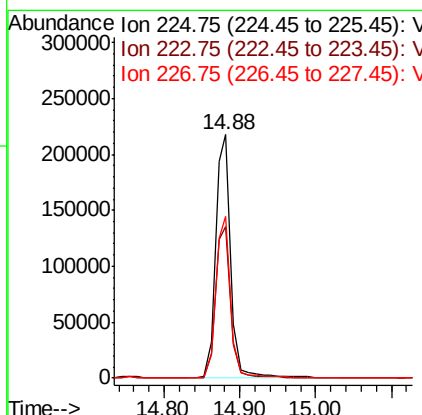
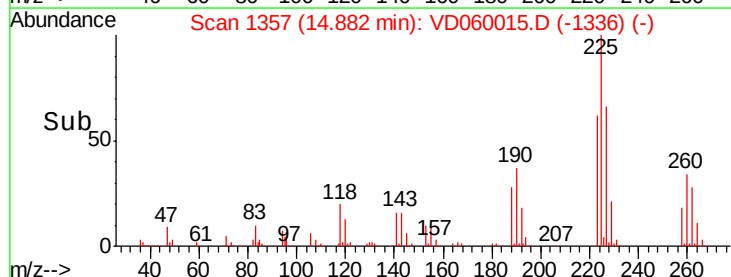
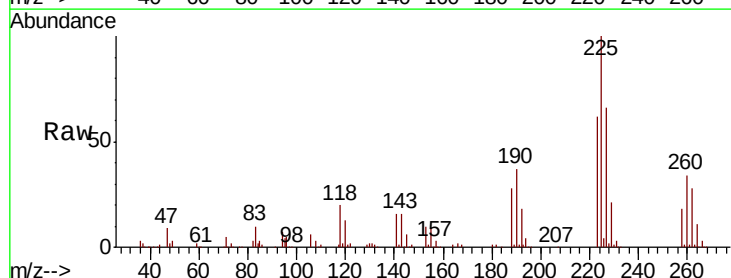
Manual Integrations
 APPROVED

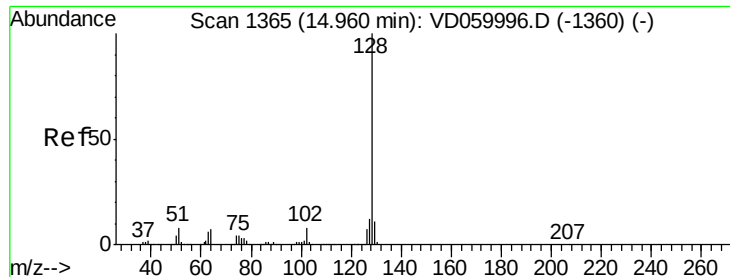
apatel
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#94
 Hexachlorobutadiene
 Concen: 21.36 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	309098		
223	62.4	31.2	93.6	
227	66.3	32.3	96.8	





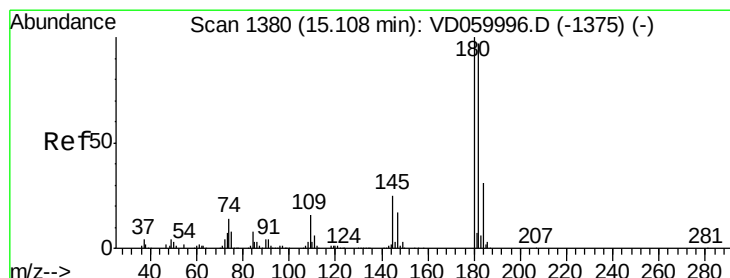
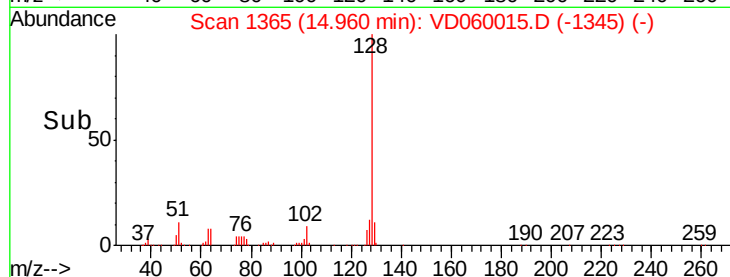
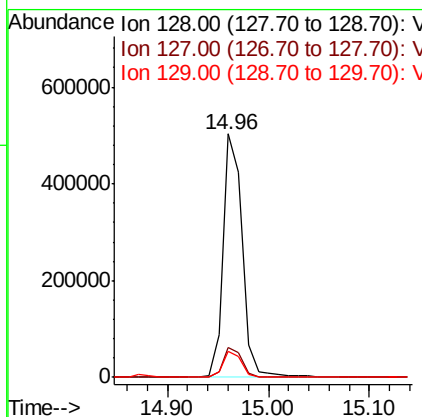
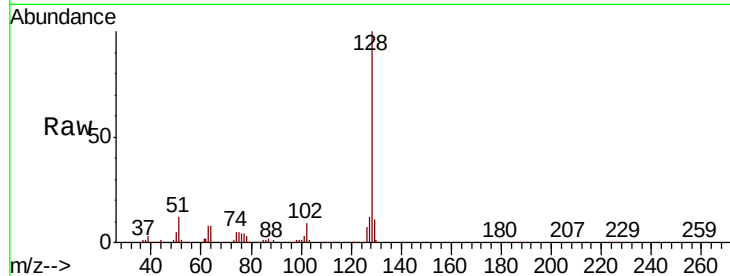
#95
Naphthalene
Concen: 19.67 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.7	14.5
129	10.8	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.25 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.6	145.9
145	30.7	12.7	38.1

