

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110118\
 Data File : VD060259.D
 Acq On : 1 Nov 2018 13:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 11/5/2018 1:21:08 PM

Quant Time: Nov 01 16:51:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1581513	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2191679	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1780572	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	979781	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	571470	47.67	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	6.34	113	811650	48.77	ug/l	0.04
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	9.47	98	2216772	46.71	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.43	95	854461	48.09	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	611449	41.101	ug/l	100
3) Chloromethane	1.76	50	590354	44.008	ug/l	99
4) Vinyl Chloride	1.86	62	501229	45.656	ug/l	98
5) Bromomethane	2.15	94	74573	54.098	ug/l	96
6) Chloroethane	2.25	64	143387	47.862	ug/l	99
7) Trichlorofluoromethane	2.51	101	611510	46.520	ug/l	98
8) Diethyl Ether	2.83	74	144317	53.391	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.10	101	425838	52.000	ug/l	98
10) Methyl Iodide	3.25	142	417831	48.113	ug/l	97
11) Tert butyl alcohol	3.98	59	188238	218.940	ug/l	97
12) 1,1-Dichloroethene	3.08	96	330737	51.266	ug/l	89
13) Acrolein	2.99	56	96389	181.865	ug/l	99
14) Allyl chloride	3.54	41	678501	50.638	ug/l	98
15) Acrylonitrile	4.09	53	830908	233.487	ug/l	97
16) Acetone	3.17	43	584135	268.533	ug/l	96
17) Carbon Disulfide	3.33	76	938071	43.239	ug/l	99
18) Methyl Acetate	3.56	43	276774	59.198	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1347164	47.494	ug/l	96
20) Methylene Chloride	3.73	84	775736	44.864	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	744097	44.658	ug/l	98
22) Diisopropyl ether	4.86	45	2925221	48.885	ug/l	95
23) Vinyl Acetate	4.81	43	7759496	230.692	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1320781	48.681	ug/l	99
25) 2-Butanone	5.63	43	1371058	252.292	ug/l	97
26) 2,2-Dichloropropane	5.60	77	1055594	51.322	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	838897	47.521	ug/l	93
28) Bromochloromethane	5.93	49	658582	49.951	ug/l	94
29) Tetrahydrofuran	5.96	42	733832	232.477	ug/l	99
30) Chloroform	6.11	83	1350943	49.224	ug/l	98
31) Cyclohexane	6.38	56	1120482	43.142	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1103797	49.091	ug/l	99
36) 1,1-Dichloropropene	6.54	75	957019	45.696	ug/l	98
37) Ethyl Acetate	5.71	43	616197	44.326	ug/l	97
38) Carbon Tetrachloride	6.51	117	904386	47.578	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1088649	45.749	ug/l	98
40) Benzene	6.80	78	2550097	46.542	ug/l	99
41) Methacrylonitrile	5.93	41	280262m	35.669	ug/l	
42) 1,2-Dichloroethane	6.90	62	741709	47.217	ug/l	98
43) Isopropyl Acetate	8.36	43	823364	45.020	ug/l #	99
44) Trichloroethene	7.76	130	787380	46.423	ug/l	94
45) 1,2-Dichloropropane	8.11	63	684929	47.741	ug/l	96
46) Dibromomethane	8.23	93	430168	46.313	ug/l	98
47) Bromodichloromethane	8.50	83	985232	49.782	ug/l	99
48) Methyl methacrylate	8.26	41	485364	46.591	ug/l	97
49) 1,4-Dioxane	8.24	88	94877	925.620	ug/l	96
51) 4-Methyl-2-Pentanone	9.35	43	2751764	238.551	ug/l	98
52) Toluene	9.56	92	1660949	47.069	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	890554	49.731	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	1072147	48.484	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	543353	47.101	ug/l	98
56) Ethyl methacrylate	10.04	69	595464	46.761	ug/l	96
57) 1,3-Dichloropropane	10.39	76	823601	46.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	1701998	240.690	ug/l	98
59) 2-Hexanone	10.50	43	2023200	243.911	ug/l	99
60) Dibromochloromethane	10.65	129	693671	49.009	ug/l	98
61) 1,2-Dibromoethane	10.77	107	567143	46.270	ug/l	99
64) Tetrachloroethene	10.26	164	706441	45.299	ug/l	98
65) Chlorobenzene	11.32	112	1776845	46.128	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	623636	48.530	ug/l	99
67) Ethyl Benzene	11.44	91	2951373	47.290	ug/l	100
68) m/p-Xylenes	11.57	106	2196051	94.176	ug/l	100
69) o-Xylene	11.94	106	1076677	46.680	ug/l	93
70) Styrene	11.97	104	1837102	47.628	ug/l	99
71) Bromoform	12.12	173	505218	48.552	ug/l	97
73) Isopropylbenzene	12.28	105	3013247	46.617	ug/l	97
74) N-amyl acetate	12.14	43	1054064	44.520	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	650841	46.121	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	653836	46.338	ug/l	97
77) Bromobenzene	12.55	156	854243	45.479	ug/l	92
78) n-propylbenzene	12.65	91	3773245	47.012	ug/l	97
79) 2-Chlorotoluene	12.72	91	2086735	46.845	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	2346728	46.909	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	180292	45.474	ug/l	97
82) 4-Chlorotoluene	12.81	91	2353640	46.714	ug/l	95
83) tert-Butylbenzene	13.05	119	2684976	46.770	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	2409708	45.703	ug/l	97
85) sec-Butylbenzene	13.23	105	3241412	47.754	ug/l	98
86) p-Isopropyltoluene	13.34	119	2565268	46.077	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	1489465	45.514	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	1511429	45.981	ug/l	97
89) n-Butylbenzene	13.65	91	2646753	48.722	ug/l	99
90) Hexachloroethane	13.87	117	640093	49.678	ug/l	75
91) 1,2-Dichlorobenzene	13.67	146	1302479	47.334	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	85402	45.326	ug/l	82

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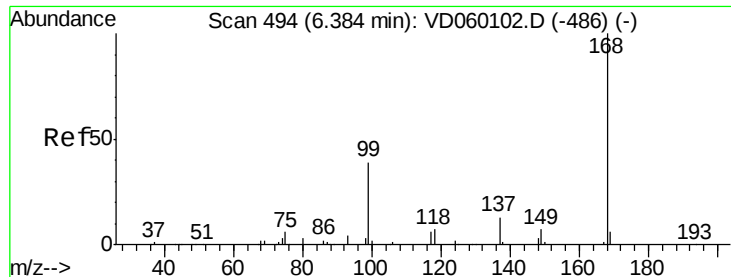
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1071273	45.867	ug/l	99
94) Hexachlorobutadiene	14.89	225	725362	46.723	ug/l	99
95) Naphthalene	14.98	128	1560868	45.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	907863	44.684	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1581513

Ion Ratio Lower Upper

168 100

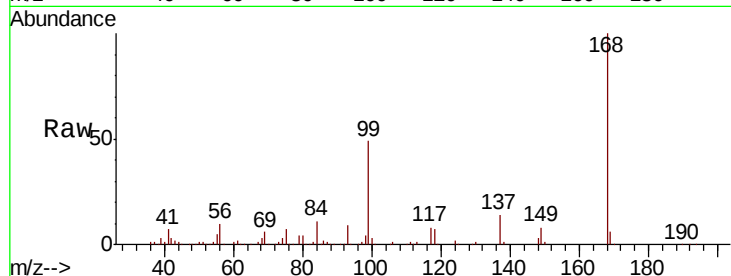
99 48.5 35.4 53.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

600000

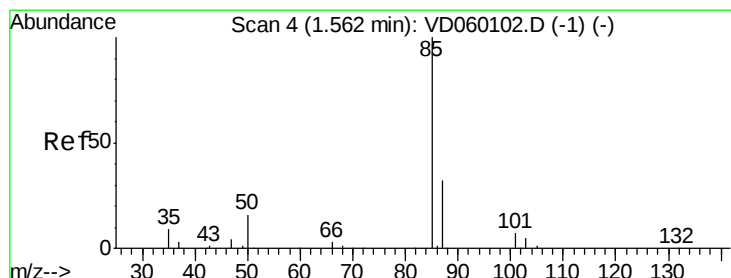
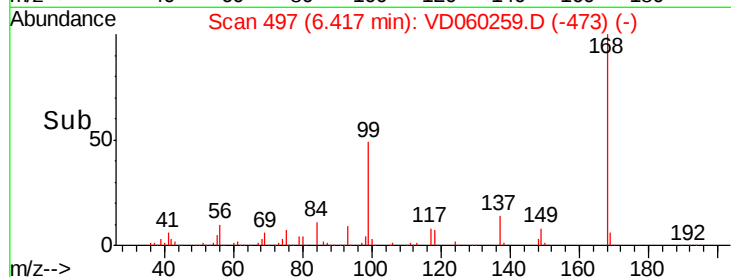
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 41.101 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060259.D

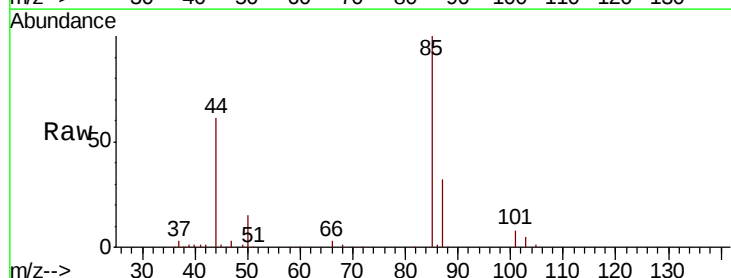
Acq: 1 Nov 2018 13:21

Tgt Ion: 85 Resp: 611449

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

200000

150000

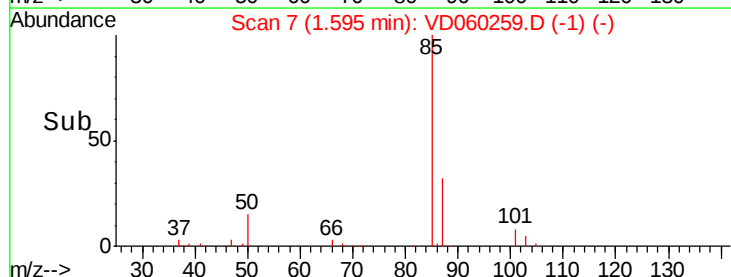
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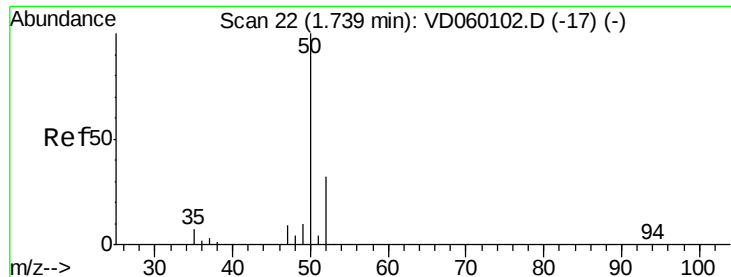
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 44.008 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 590354

Ion Ratio Lower Upper

50 100

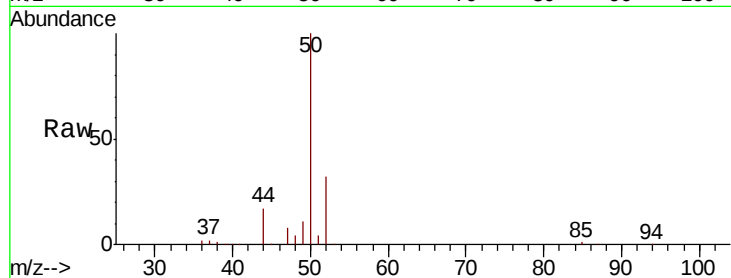
52 32.1 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

250000

200000

150000

100000

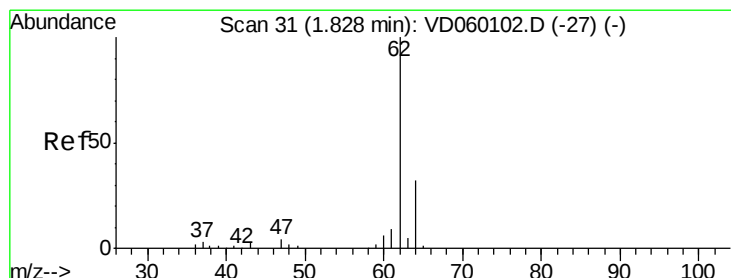
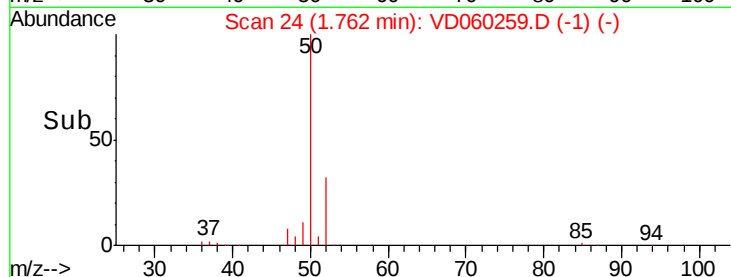
50000

0

1.76

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 45.656 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060259.D

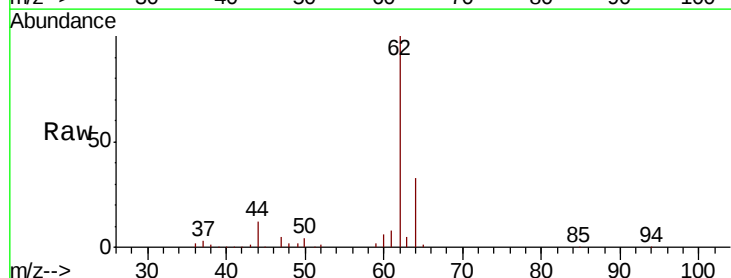
Acq: 1 Nov 2018 13:21

Tgt Ion: 62 Resp: 501229

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

200000

150000

100000

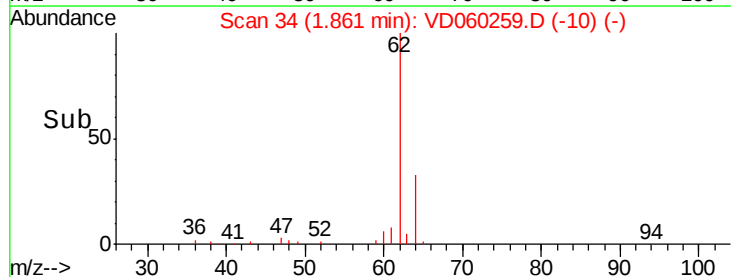
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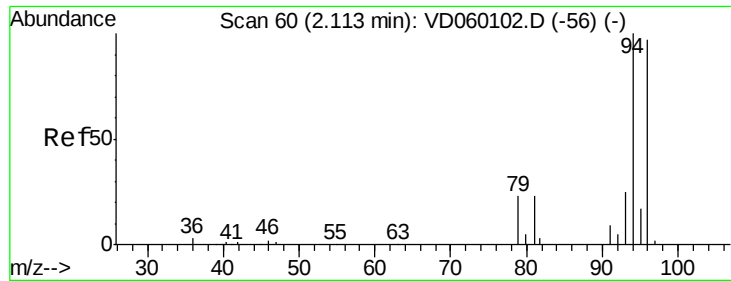
0

1.86

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 54.098 ug/l

RT: 2.15 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060259.D

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Tot Ion: 94 Resp: 74573

Ion Ratio Lower Upper

94 100

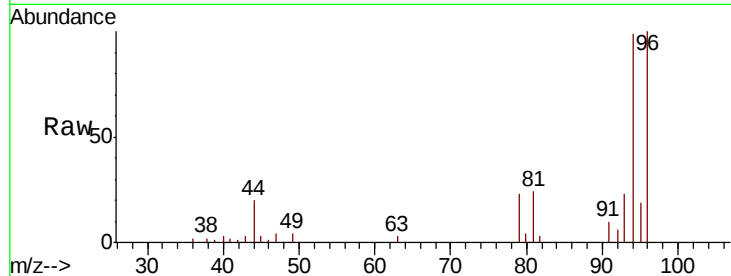
96 100.7 77.4 116.2

Manual Integrations

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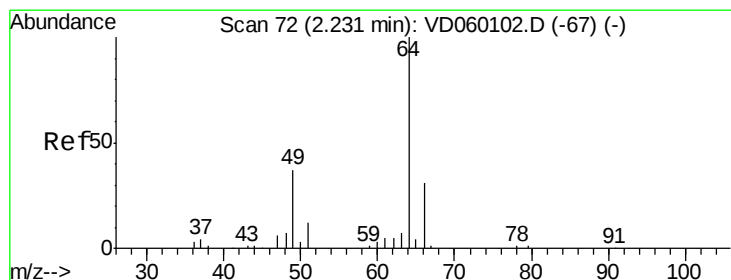
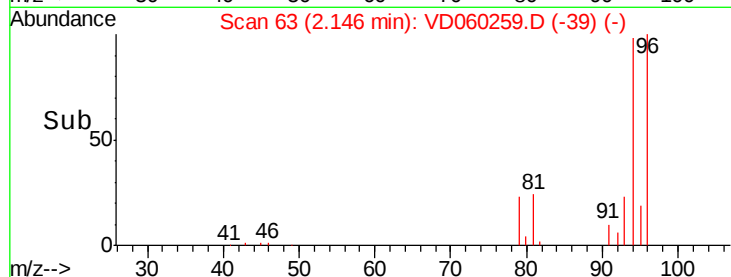
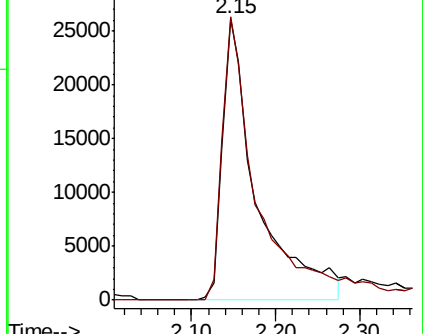
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.862 ug/l

RT: 2.25 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060259.D

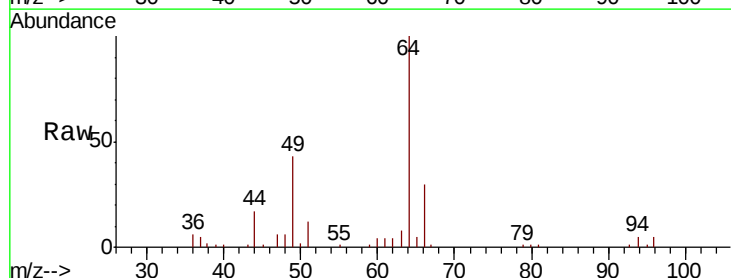
Acq: 1 Nov 2018 13:21

Tgt Ion: 64 Resp: 143387

Ion Ratio Lower Upper

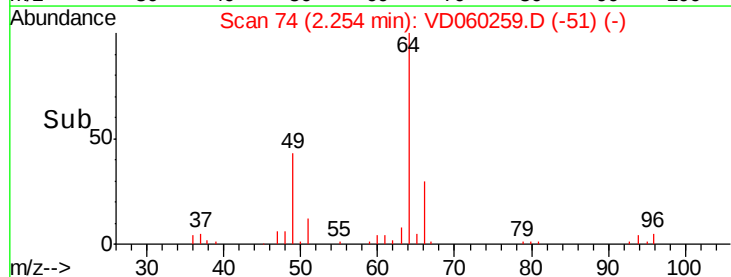
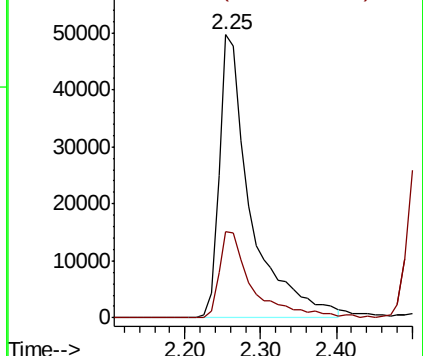
64 100

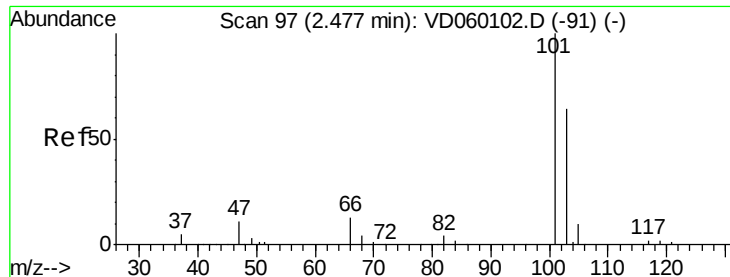
66 30.5 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

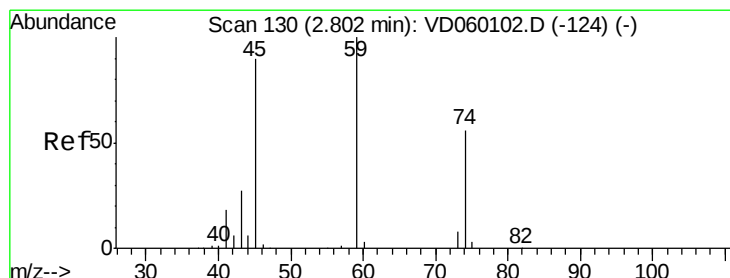
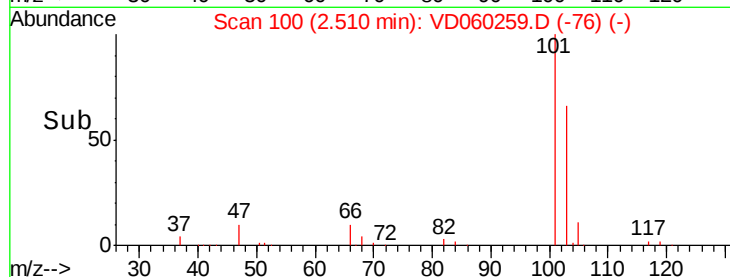
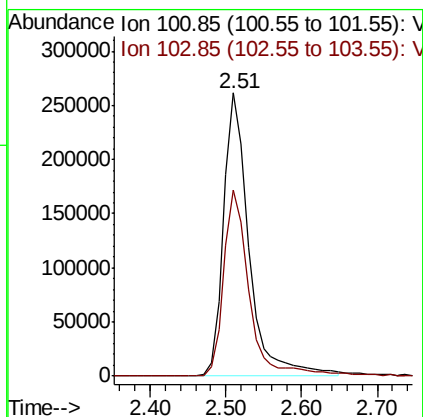
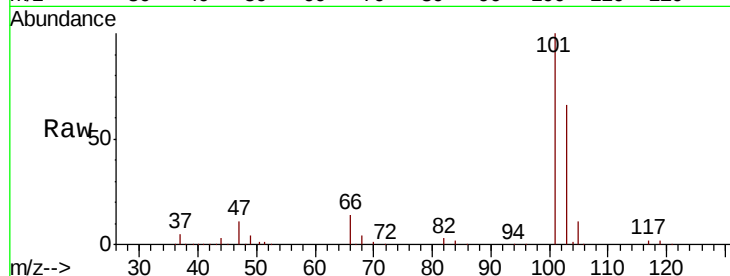
Trichlorofluoromethane
 Concen: 46.520 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060259.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

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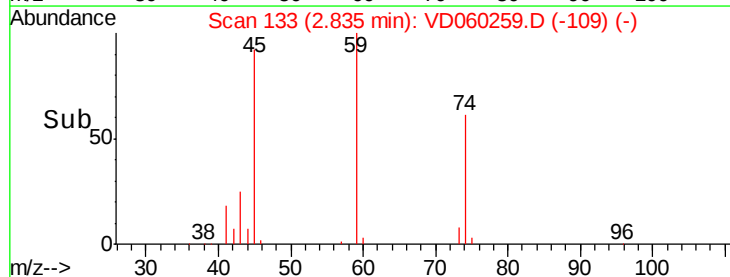
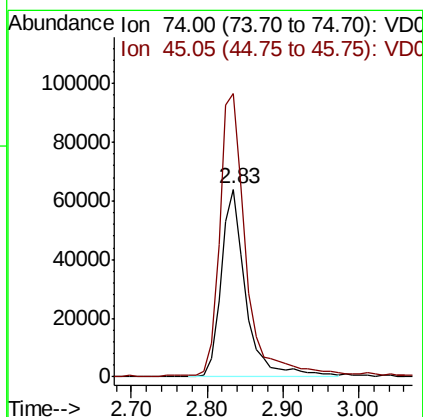
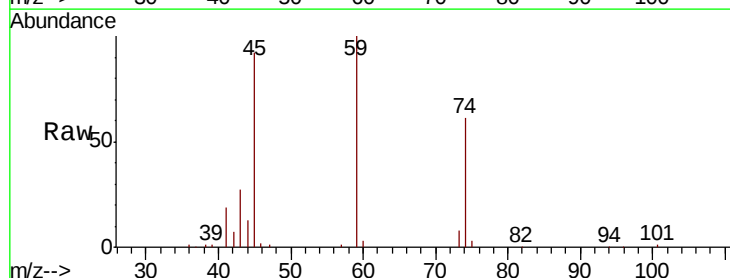
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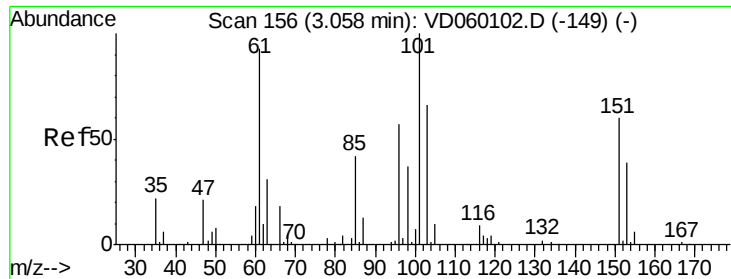


#8

Diethyl Ether
 Concen: 53.391 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	151.1	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.000 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.04 min

Lab File: VD060259.D

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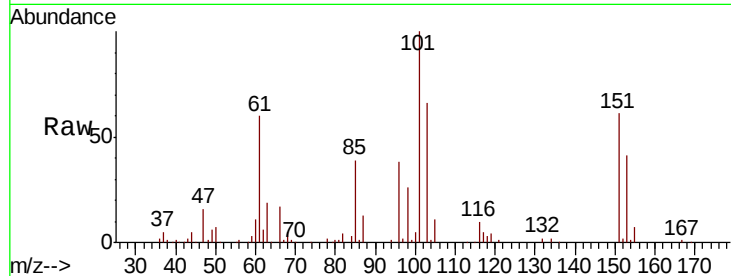
ClientSampleId :

VSTDCCC050

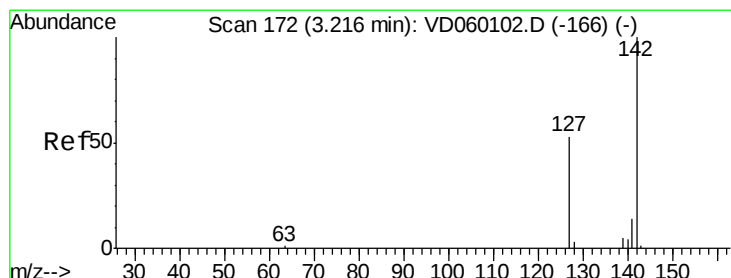
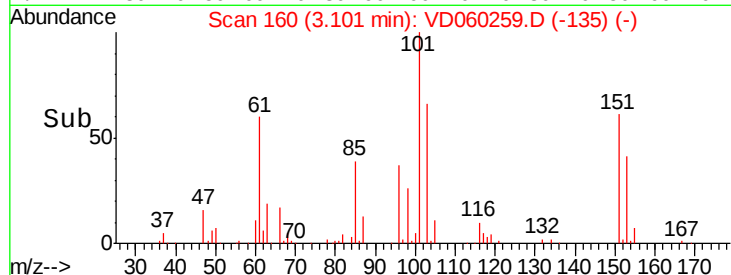
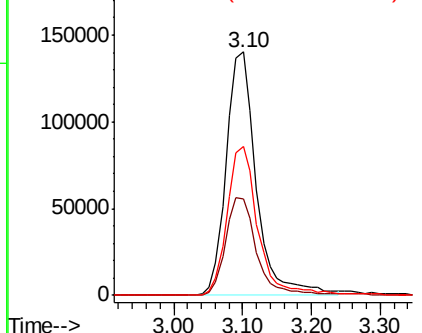
Tot Ion:	101	Resp:	425838
Ion Ratio	Lower	Upper	
101	100		
85	39.4	33.4	50.0
151	61.0	48.0	72.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.113 ug/l

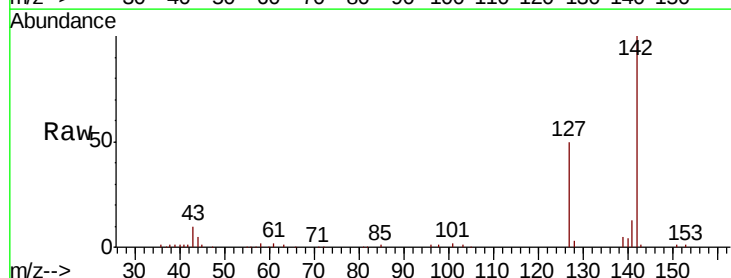
RT: 3.25 min Scan# 175

Delta R.T. 0.03 min

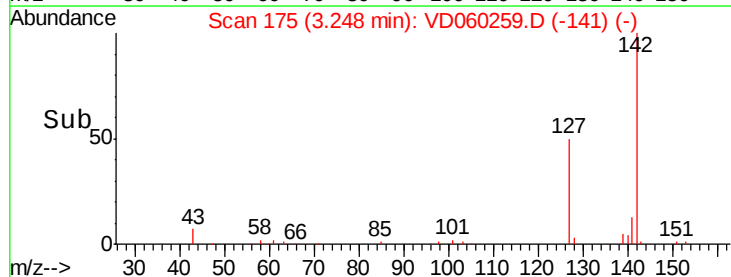
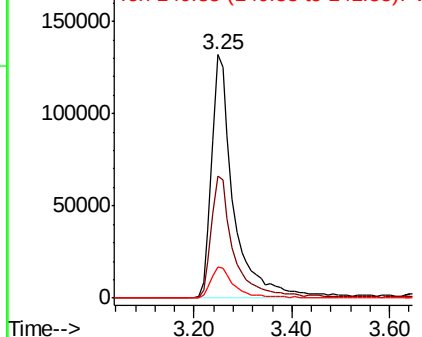
Lab File: VD060259.D

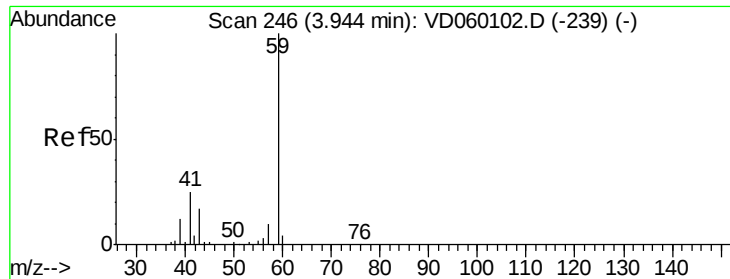
Acq: 1 Nov 2018 13:21

Tgt Ion:	142	Resp:	417831
Ion Ratio	Lower	Upper	
142	100		
127	50.4	42.0	63.0
141	12.9	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

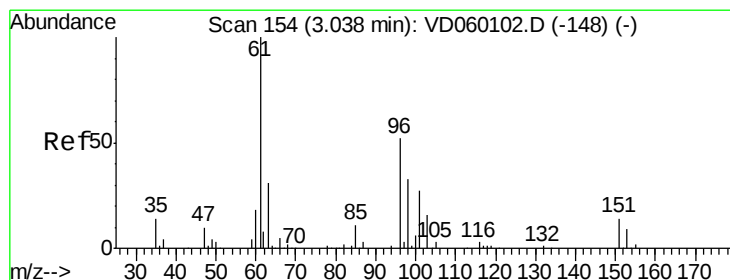
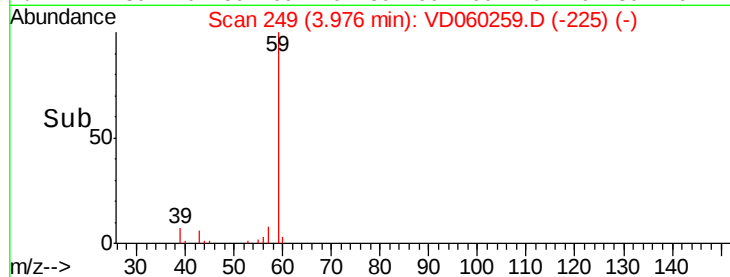
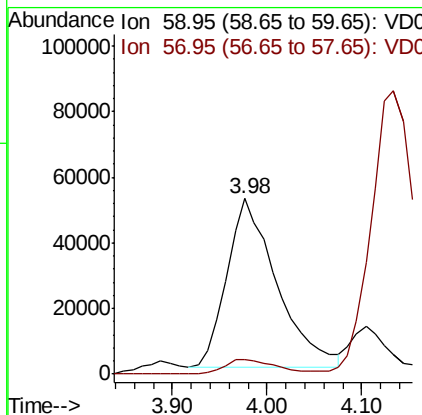
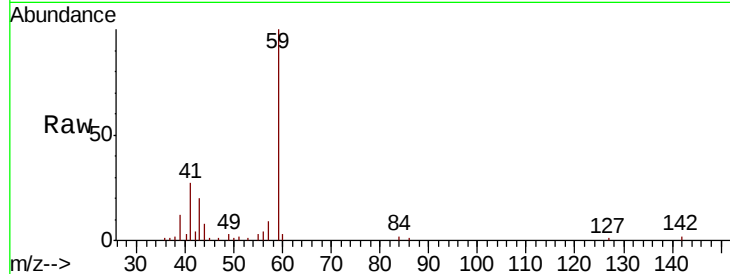
Tert butyl alcohol
 Concen: 218.940 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	58.95 (58.65 to 59.65): VDC	Resp	188238
Ion Ratio	Lower	Upper	
59	100		
57	8.7	7.8	11.6

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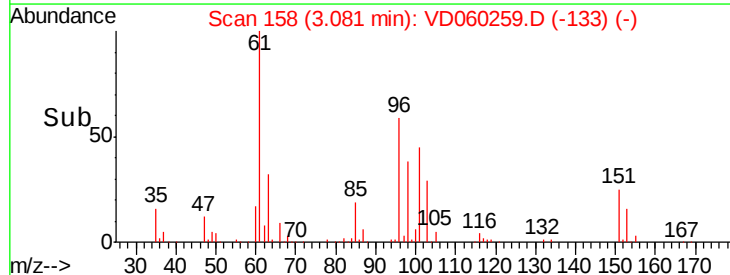
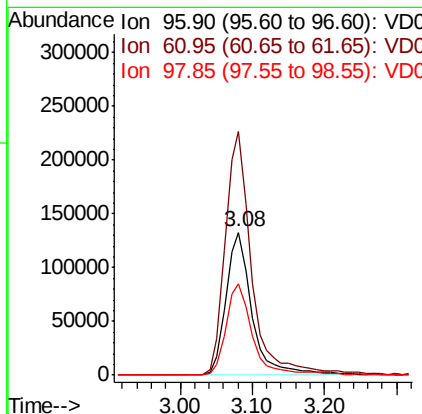
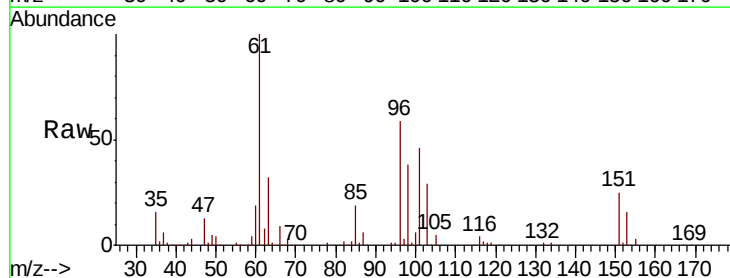
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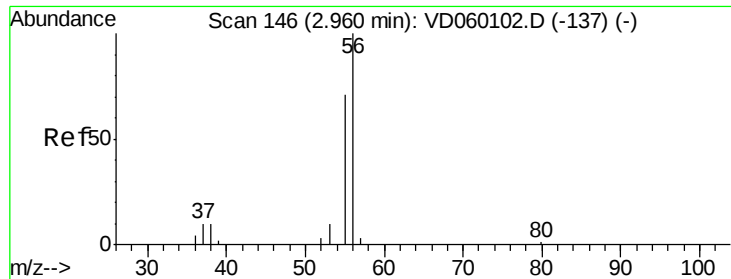


#12

1,1-Dichloroethene
 Concen: 51.266 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. 0.04 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion	95.90 (95.60 to 96.60): VDC	Resp	330737
Ion Ratio	Lower	Upper	
96	100		
61	170.2	153.0	229.4
98	64.1	51.1	76.7





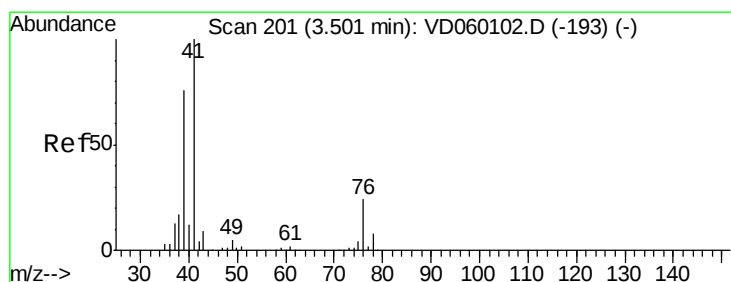
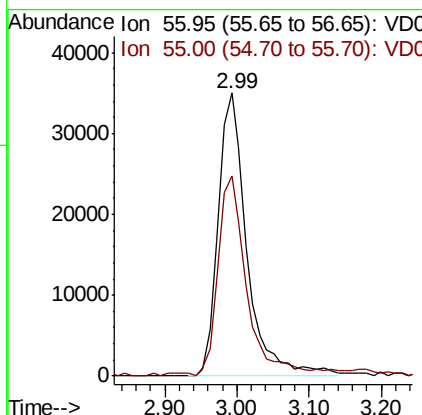
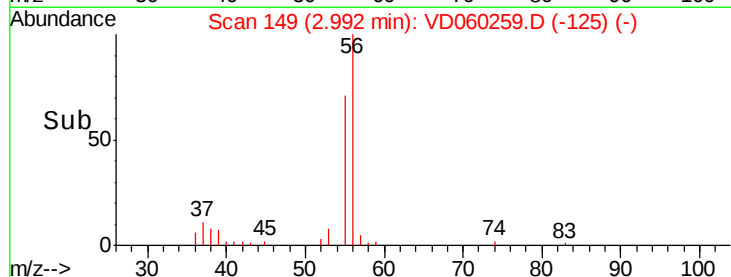
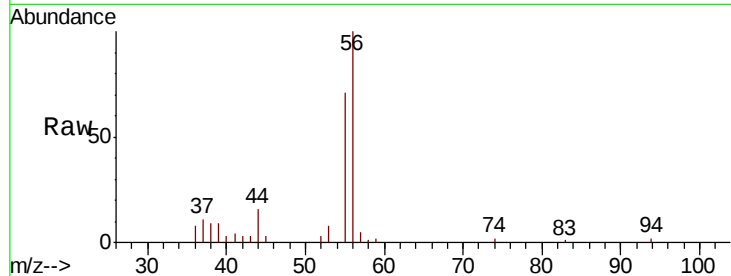
#13
 Acrolein
 Concen: 181.865 ug/l
 RT: 2.99 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 56 Resp: 96389
 Ion Ratio Lower Upper
 56 100
 55 70.7 57.4 86.2

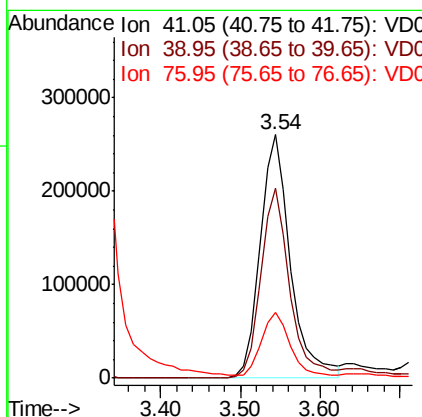
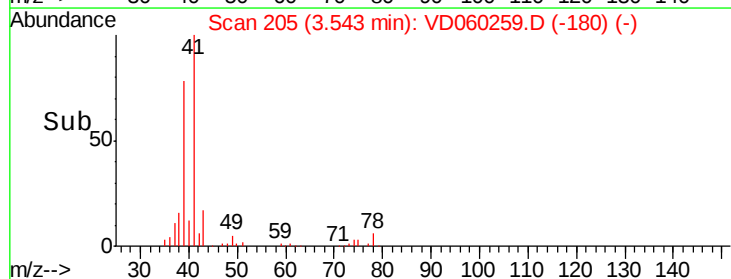
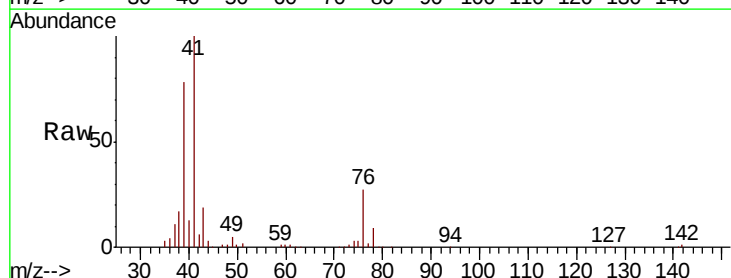
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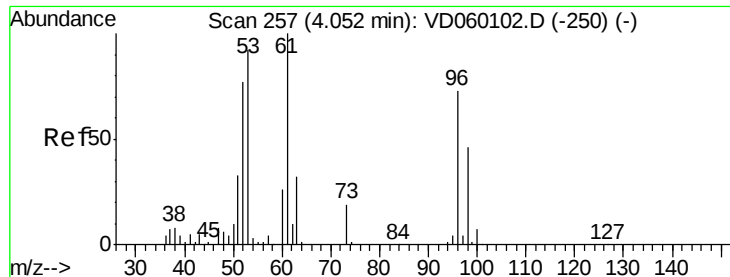
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#14
 Allyl chloride
 Concen: 50.638 ug/l
 RT: 3.54 min Scan# 205
 Delta R.T. 0.04 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion: 41 Resp: 678501
 Ion Ratio Lower Upper
 41 100
 39 77.9 60.6 90.8
 76 26.7 21.3 31.9





#15

Acrylonitrile

Concen: 233.487 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.04 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 830908

Ion Ratio Lower Upper

53 100

52 81.5 67.5 101.3

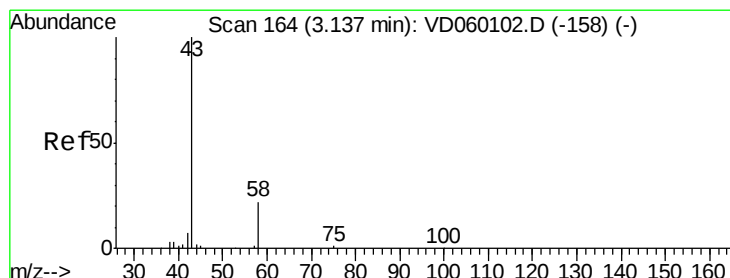
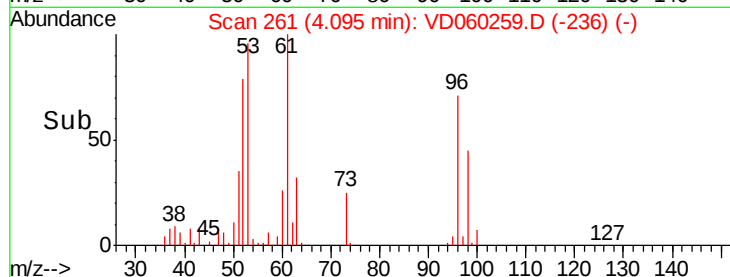
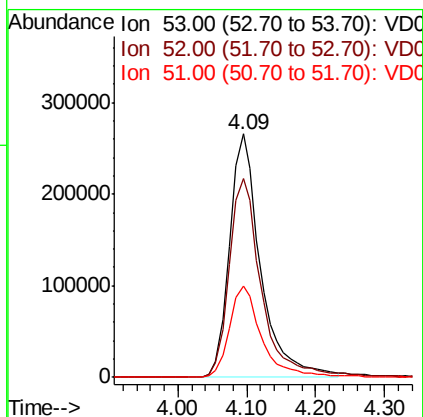
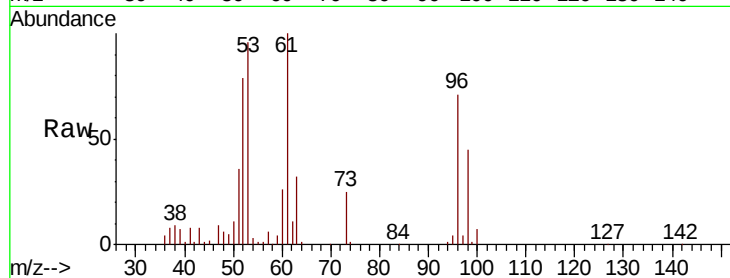
51 37.7 29.3 43.9

Manual Integrations

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#16

Acetone

Concen: 268.533 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060259.D

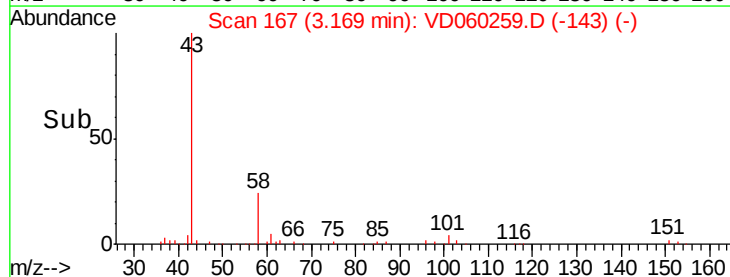
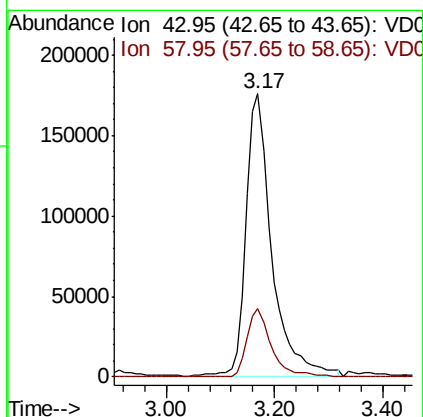
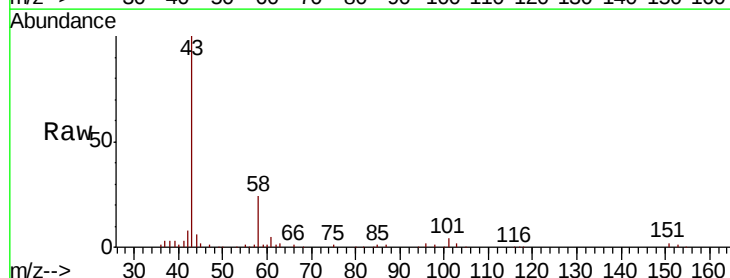
Acq: 1 Nov 2018 13:21

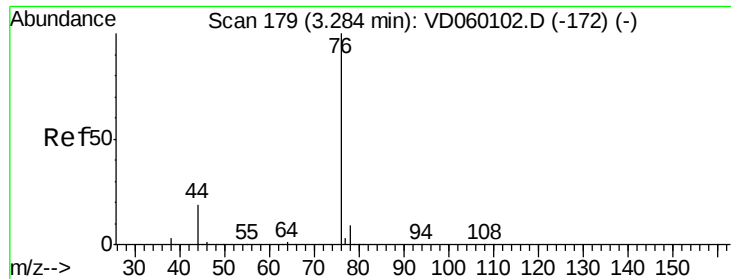
Tgt Ion: 43 Resp: 584135

Ion Ratio Lower Upper

43 100

58 24.1 17.7 26.5





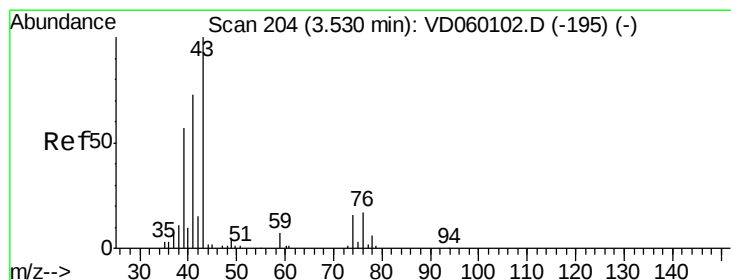
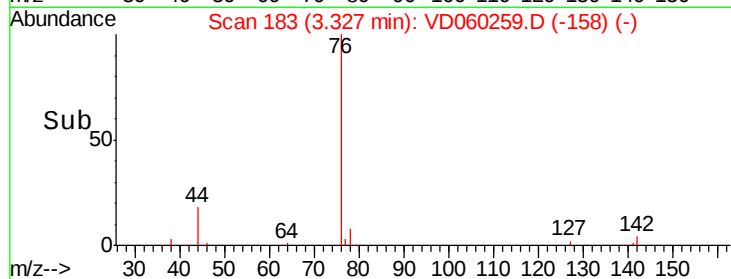
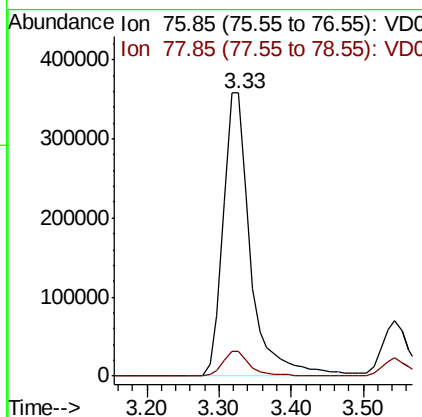
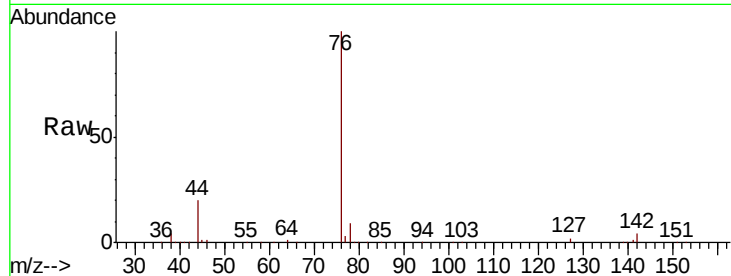
#17
Carbon Disulfide
Concen: 43.239 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.04 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

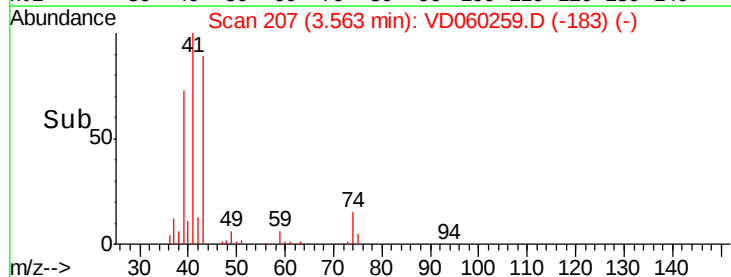
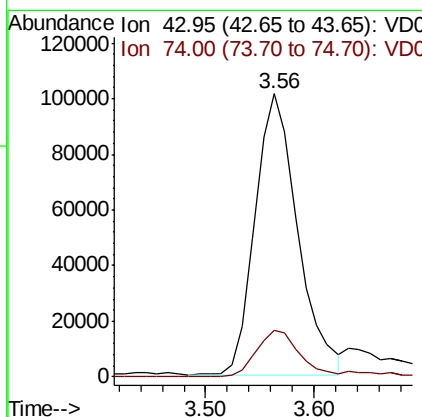
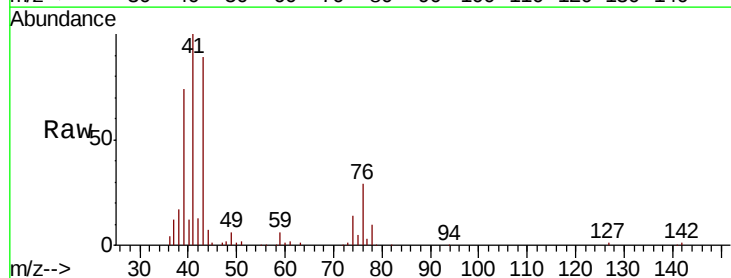
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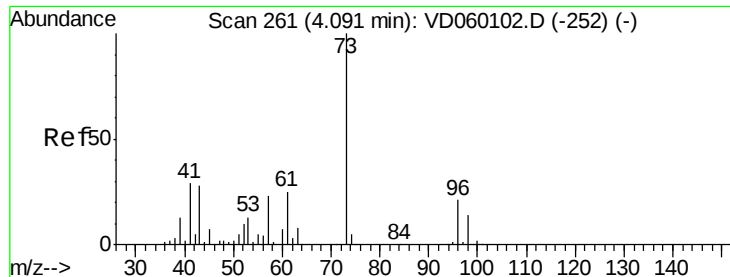
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#18
Methyl Acetate
Concen: 59.198 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.2	12.6	19.0





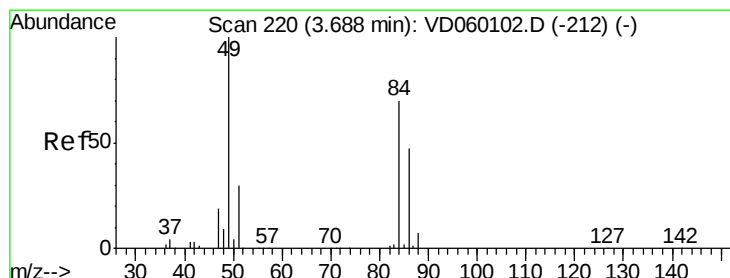
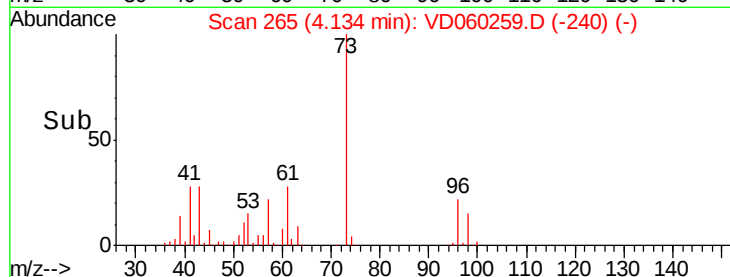
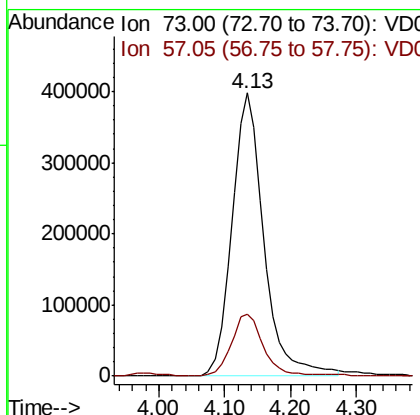
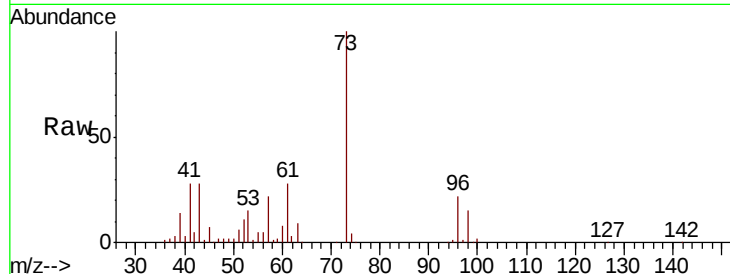
#19
Methvl tert-butvl Ether
Concen: 47.494 ug/l
RT: 4.13 min Scan# 265
Delta R.T. 0.04 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1347164
Ion Ratio Lower Upper
73 100
57 21.7 18.7 28.1

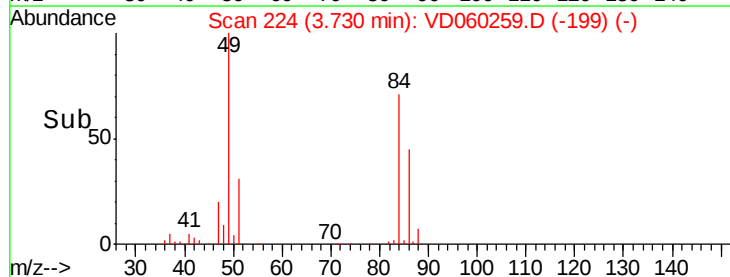
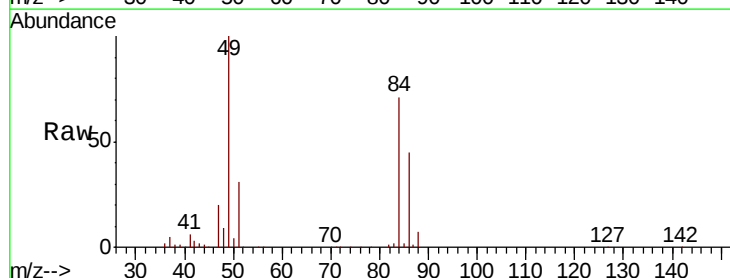
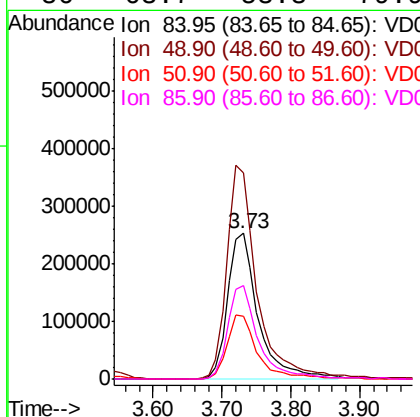
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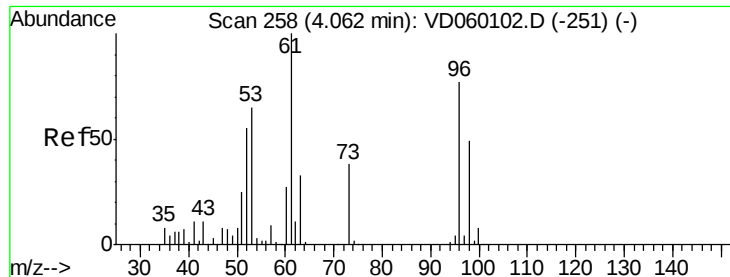
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#20
Methylene Chloride
Concen: 44.864 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion: 84 Resp: 775736
Ion Ratio Lower Upper
84 100
49 141.5 114.6 172.0
51 43.5 33.8 50.8
86 63.7 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 44.658 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 744097

Ion Ratio Lower Upper

96 100

61 128.2 103.3 154.9

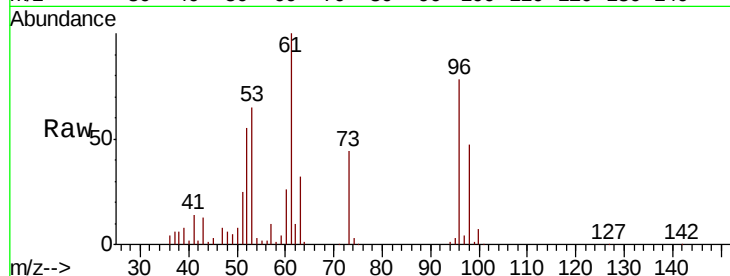
98 60.3 50.4 75.6

Manual Integrations

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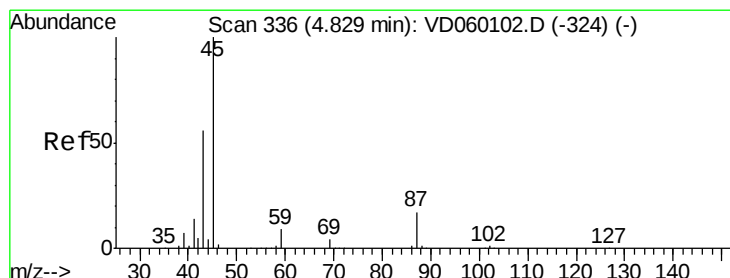
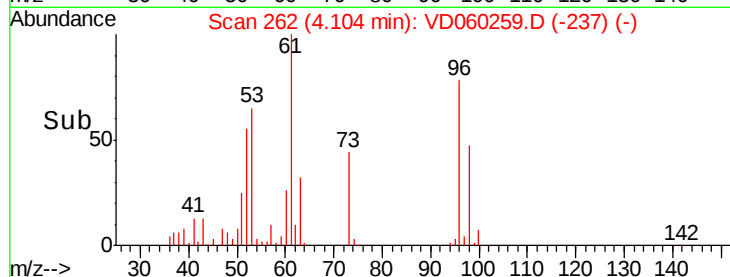
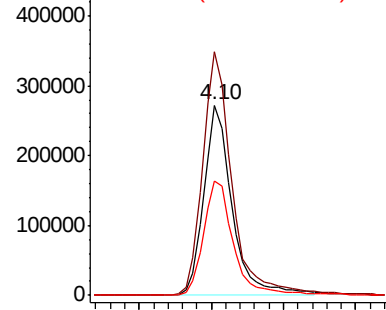
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.885 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tgt Ion: 45 Resp: 2925221

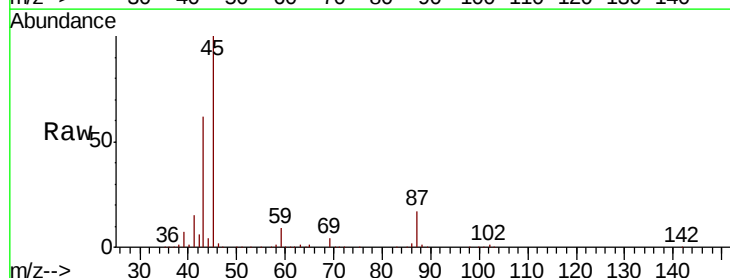
Ion Ratio Lower Upper

45 100

43 61.8 44.8 67.2

87 17.3 13.9 20.9

59 9.0 7.1 10.7

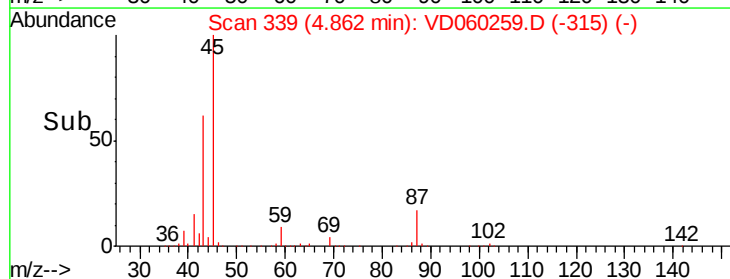
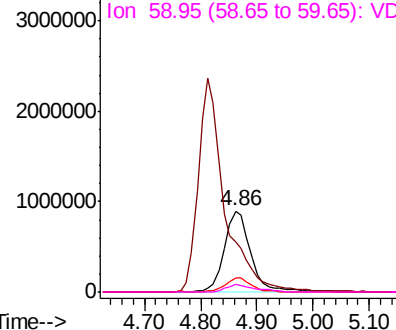


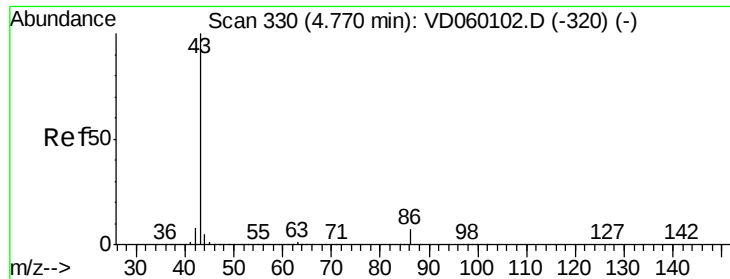
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 230.692 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.04 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7759496

Ion Ratio Lower Upper

43 100

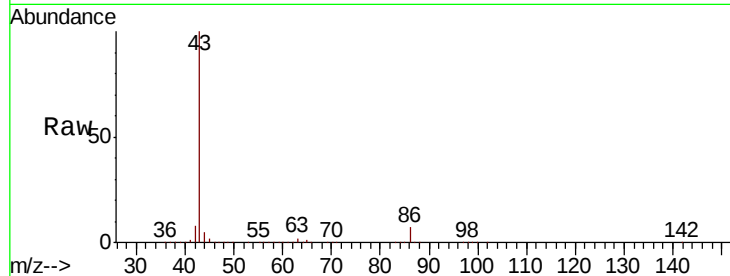
86 6.7 5.6 8.4

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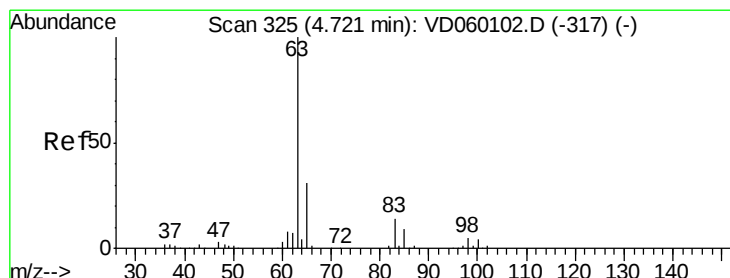
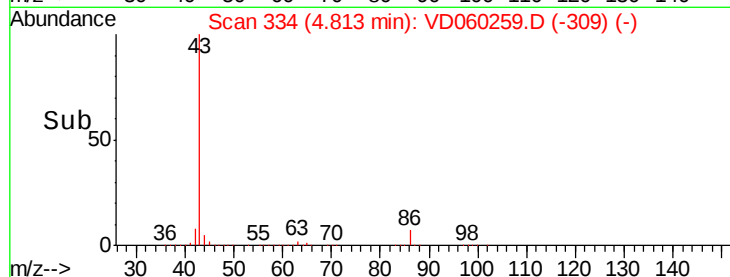
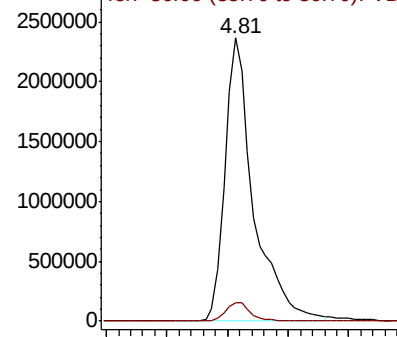
apatel

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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: 48.681 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

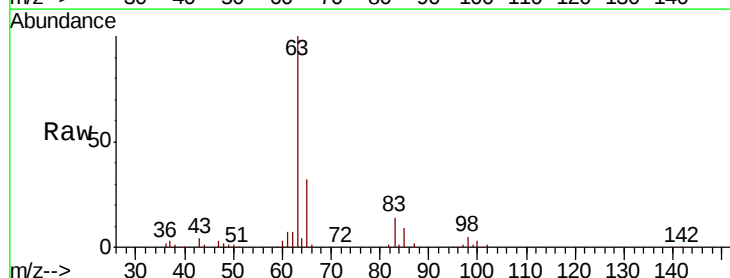
Tgt Ion: 63 Resp: 1320781

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

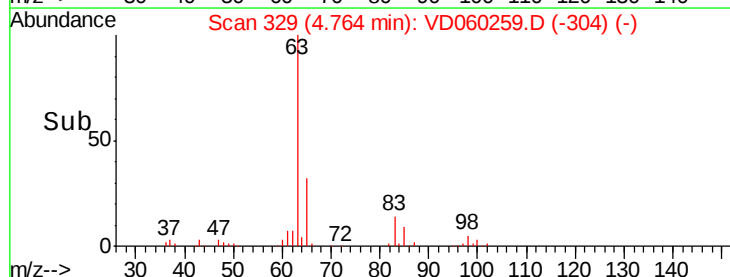
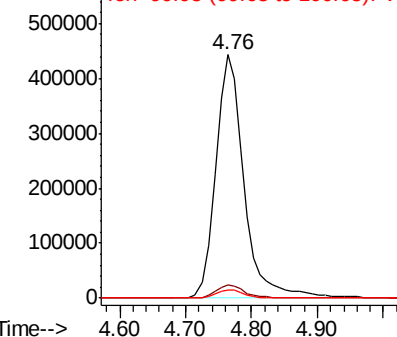
100 3.2 1.8 5.3

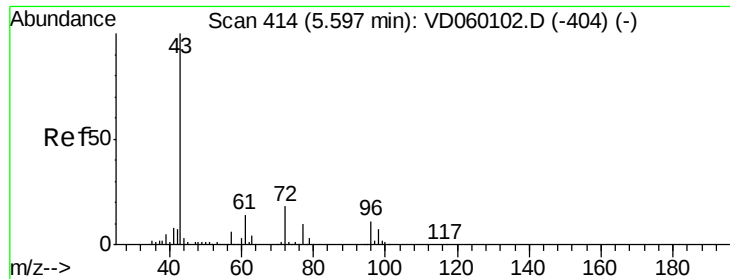


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 252.292 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1371058

Ion Ratio Lower Upper

43 100

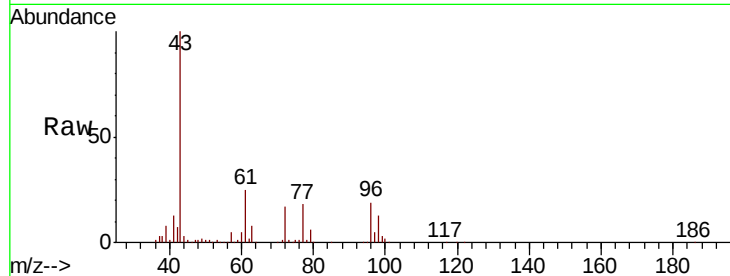
72 16.6 14.5 21.7

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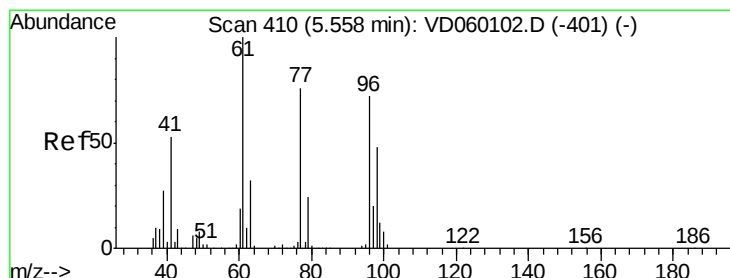
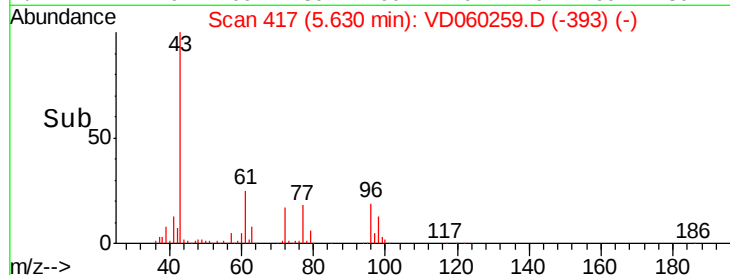
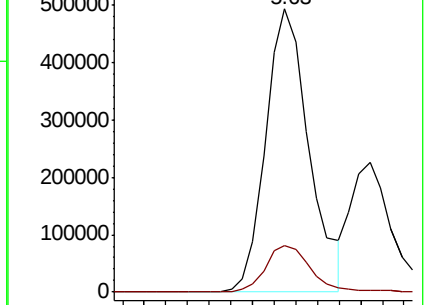
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.322 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.04 min

Lab File: VD060259.D

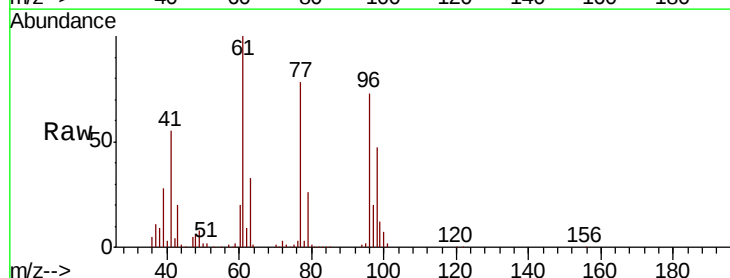
Acq: 1 Nov 2018 13:21

Tgt Ion: 77 Resp: 1055594

Ion Ratio Lower Upper

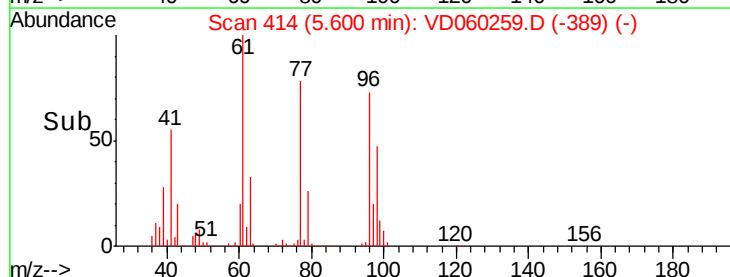
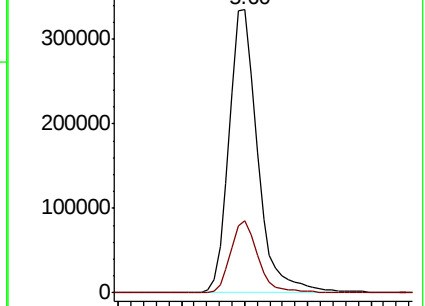
77 100

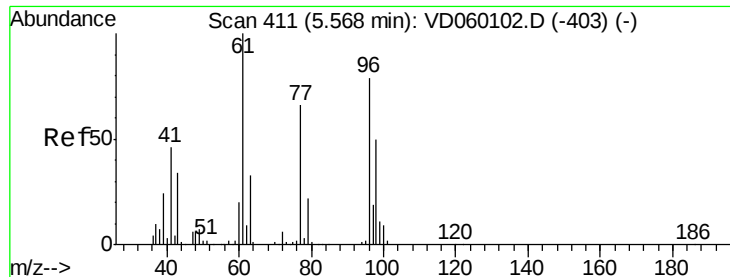
97 25.6 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

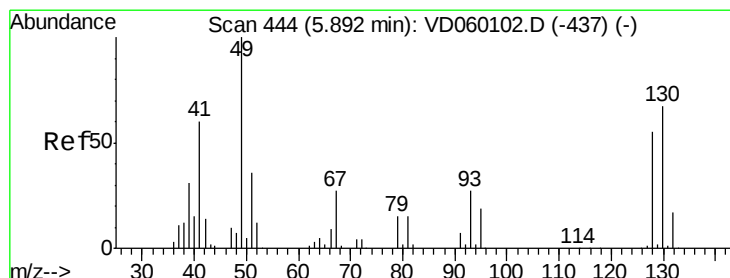
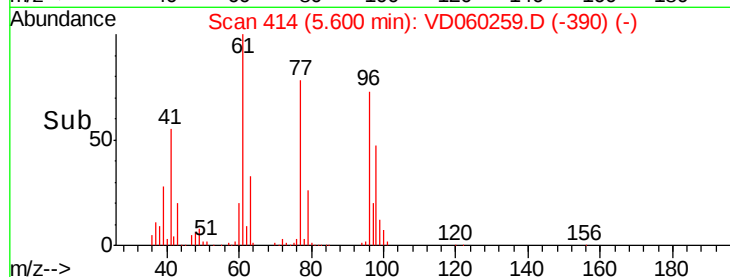
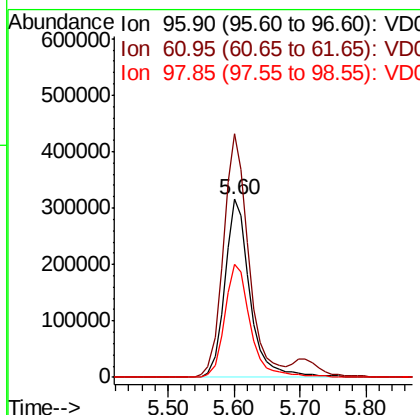
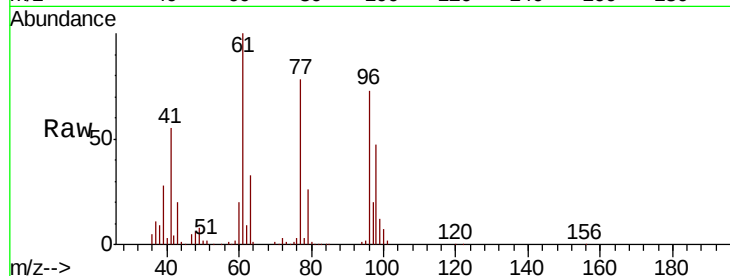
cis-1,2-Dichloroethene
 Concen: 47.521 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	838897		
61	136.6	0.0	251.8	
98	63.7	0.0	125.2	

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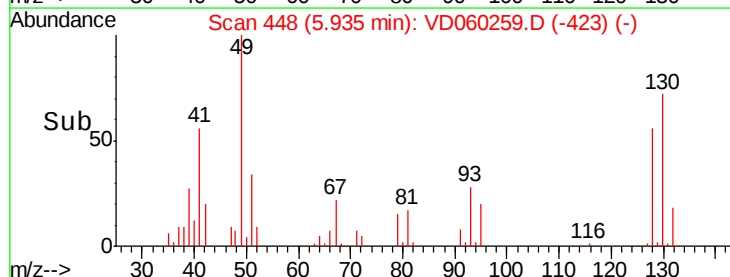
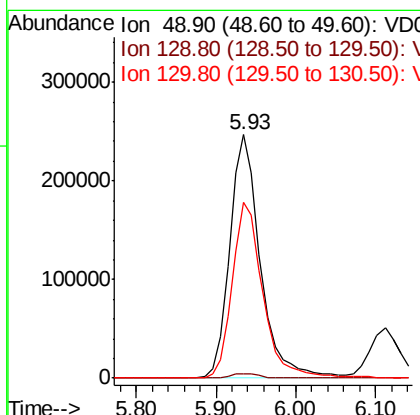
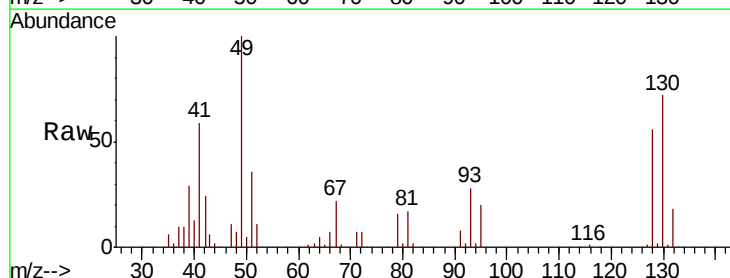
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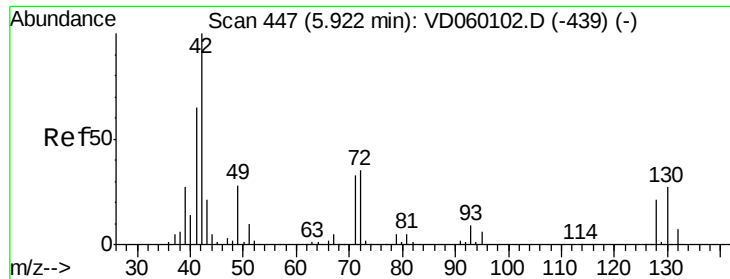


#28

Bromochloromethane
 Concen: 49.951 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. 0.04 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	658582		
129	1.8	0.0	3.6	
130	72.1	53.9	80.9	





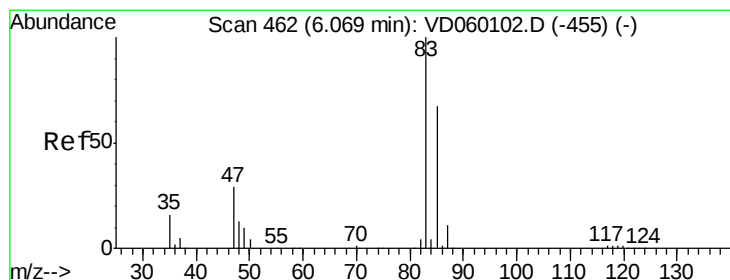
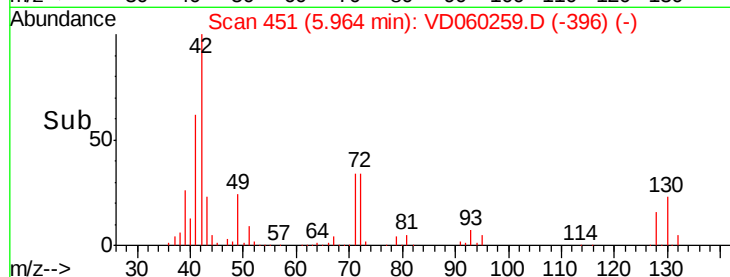
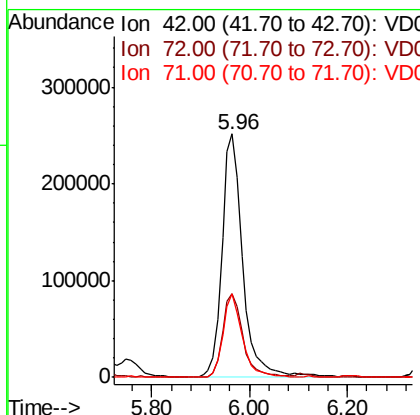
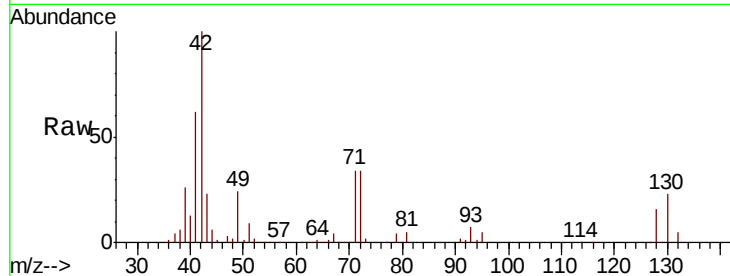
#29
Tetrahydrofuran
Concen: 232.477 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	26.9	40.3
71	32.4	26.7	40.1

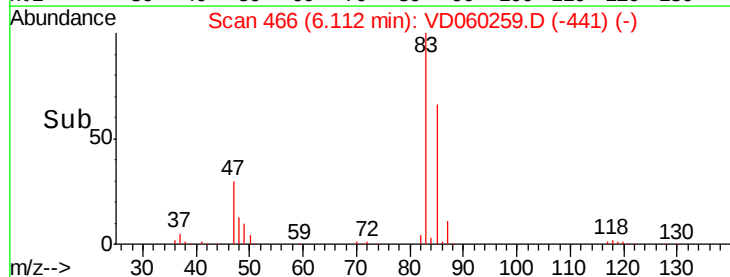
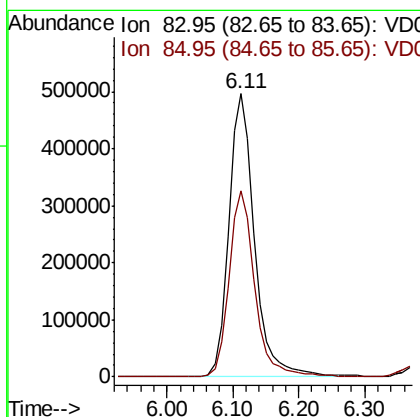
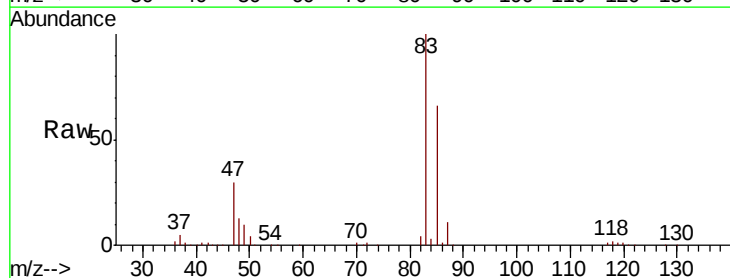
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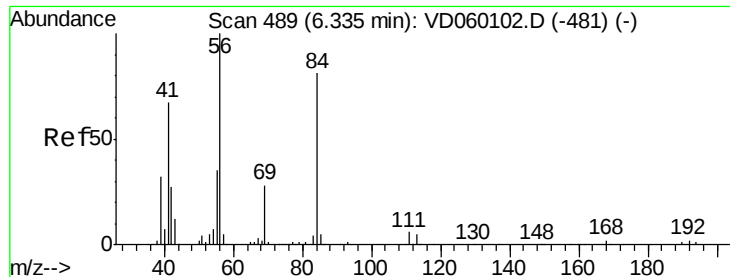
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#30
Chloroform
Concen: 49.224 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.04 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.8	80.8





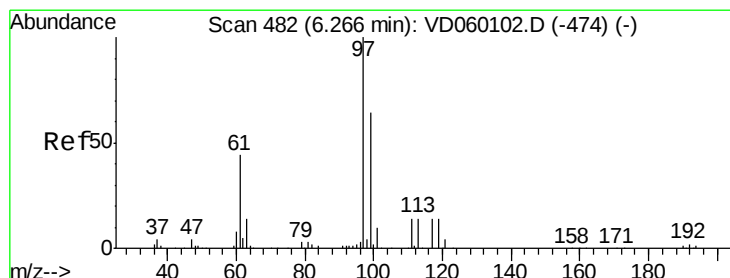
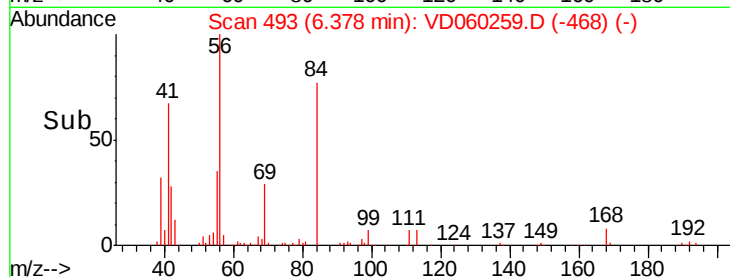
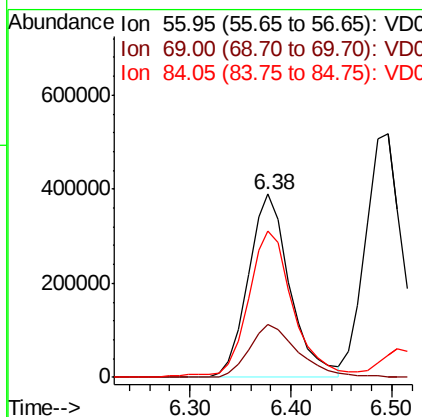
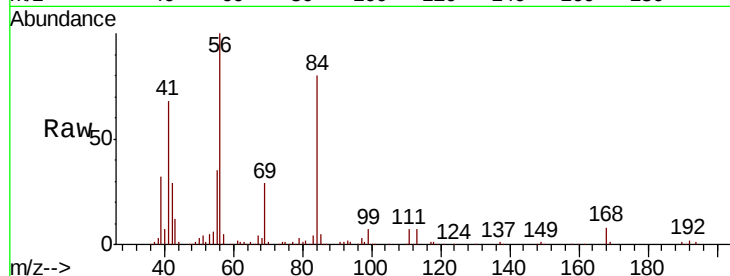
#31
Cyclohexane
Concen: 43.142 ug/l
RT: 6.38 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1120482
Ion Ratio Lower Upper
56 100
69 29.0 22.8 34.2
84 80.0 64.9 97.3

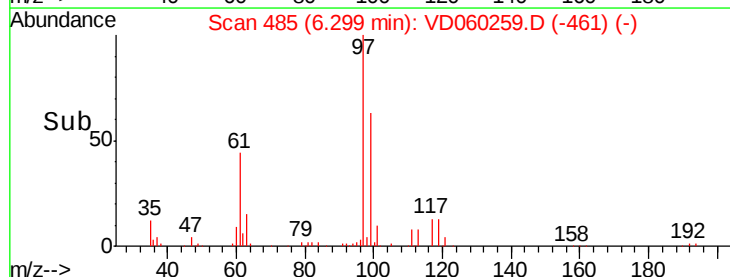
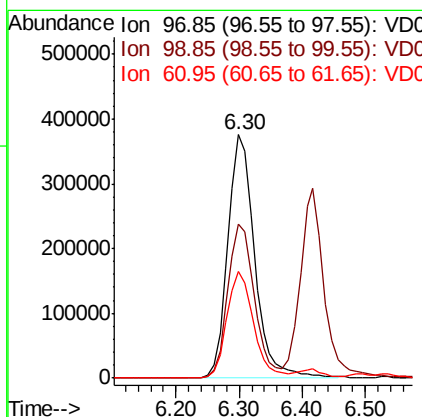
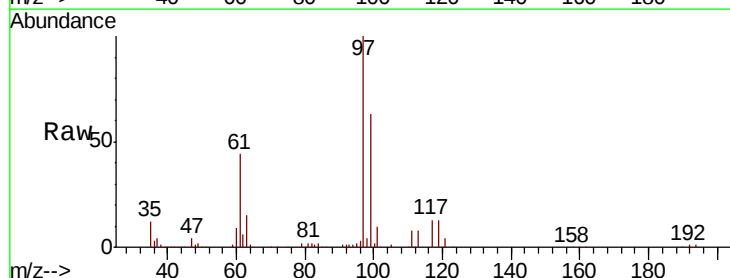
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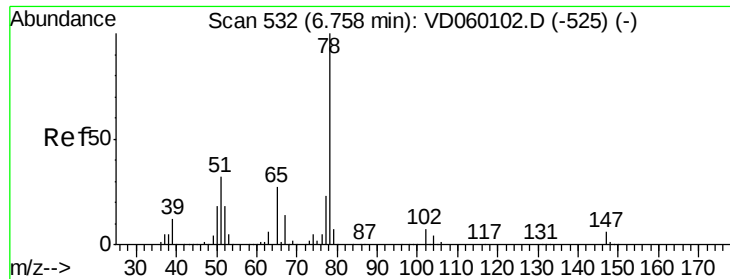
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#32
1,1,1-Trichloroethane
Concen: 49.091 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion: 97 Resp: 1103797
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 43.8 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 49.091 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tot Ion: 65 Resp: 571470

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2

Instrument :

MSVOA_D

ClientSampleId :

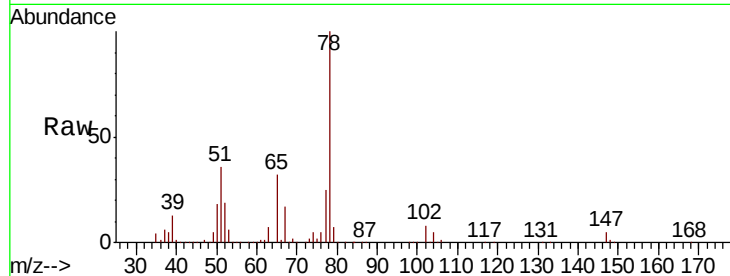
VSTDCCC050

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

250000

200000

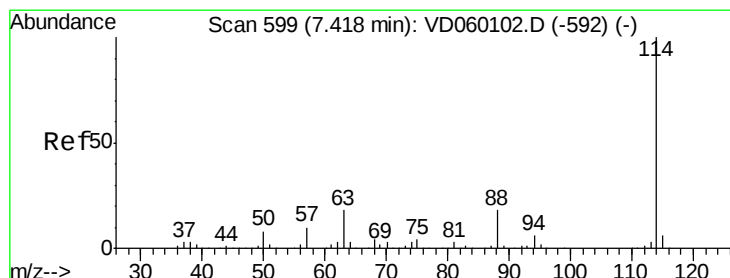
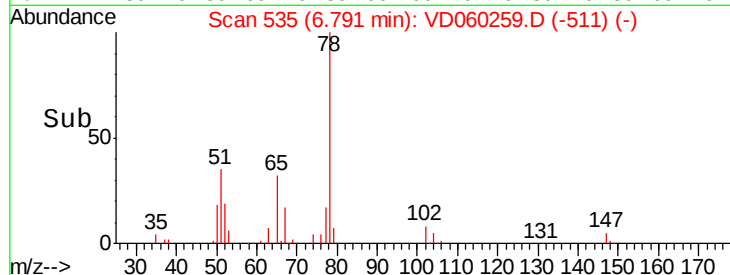
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

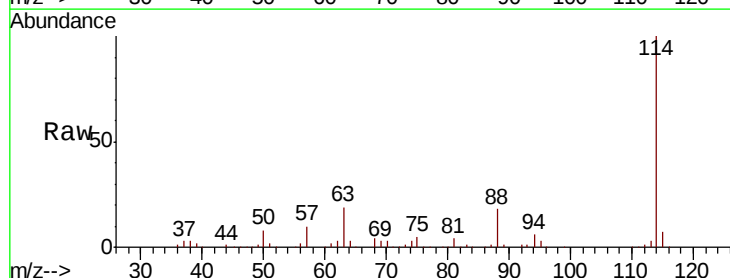
Tgt Ion:114 Resp: 2191679

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.0

88 18.4 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

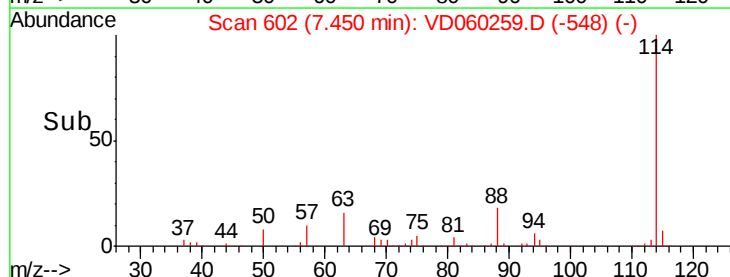
600000

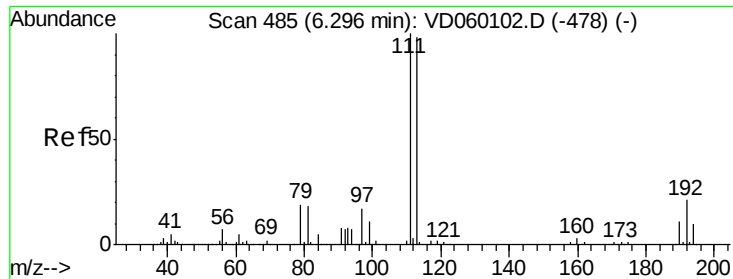
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

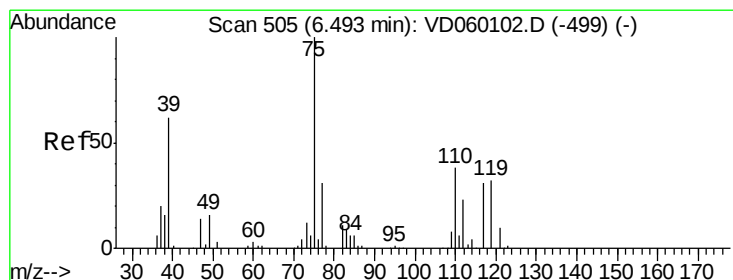
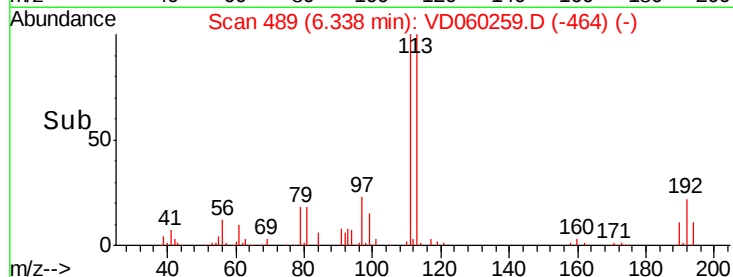
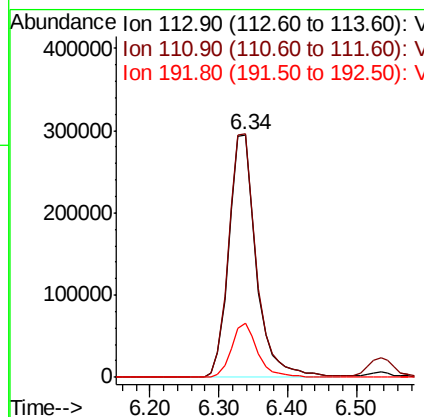
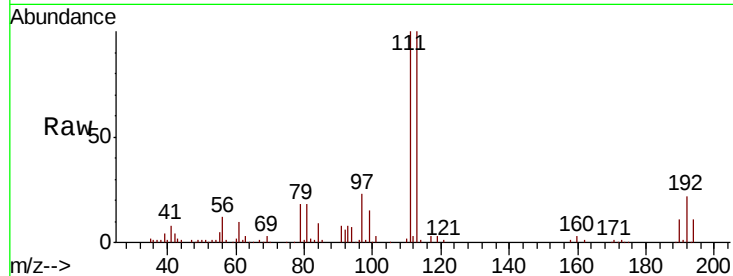
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	811650
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.5	122.3
192	22.2	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 45.696 ug/l

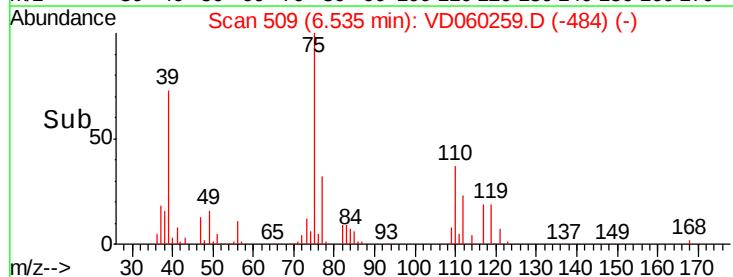
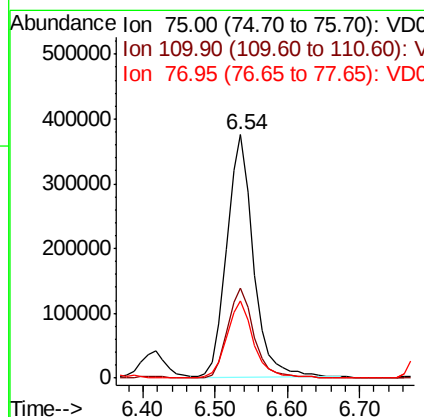
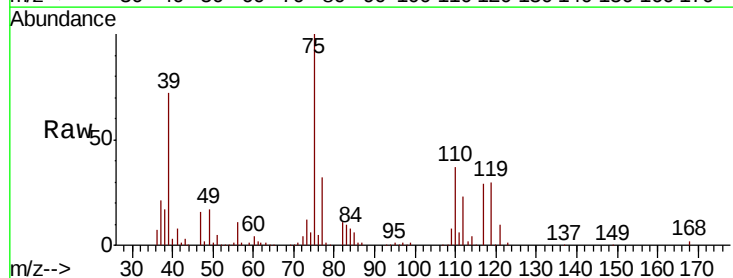
RT: 6.54 min Scan# 509

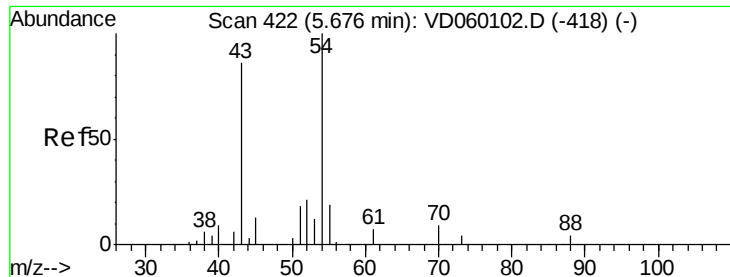
Delta R.T. 0.04 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tgt Ion:	75	Resp:	957019
Ion Ratio	Lower	Upper	
75	100		
110	36.8	19.0	57.0
77	31.7	24.9	37.3





#37

Ethyl Acetate

Concen: 44.326 ug/l

RT: 5.71 min Scan# 425

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

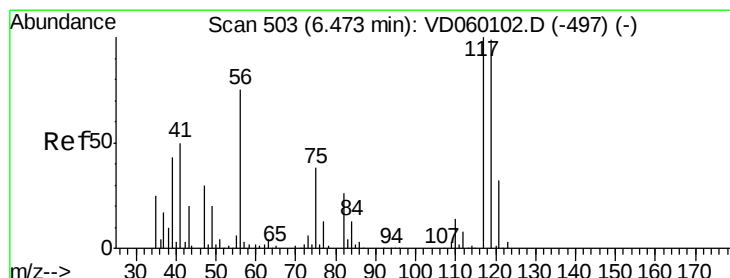
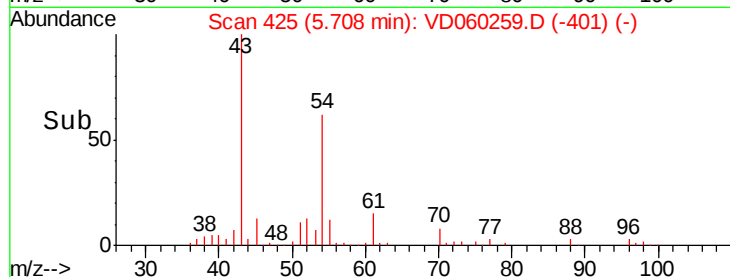
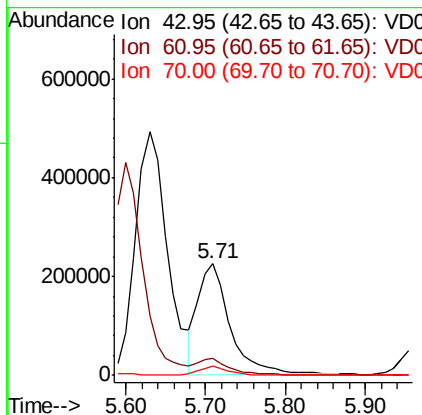
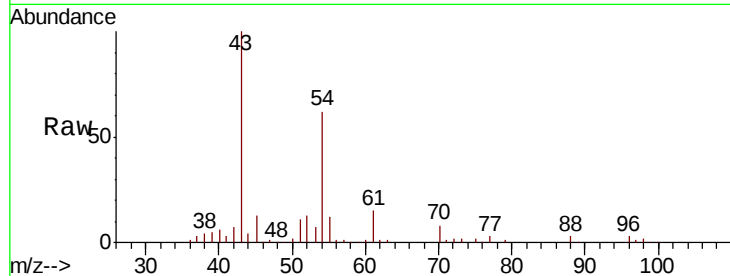
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	616197
Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.5	15.7
70	8.1	6.3	9.5

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#38

Carbon Tetrachloride

Concen: 47.578 ug/l

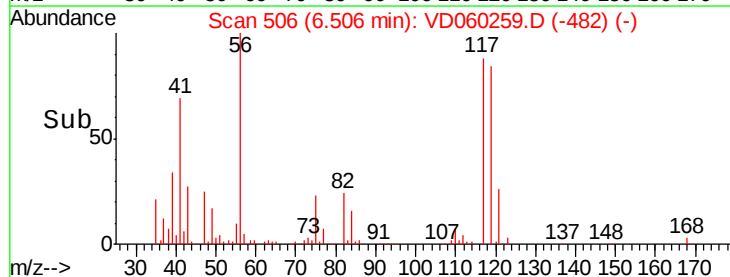
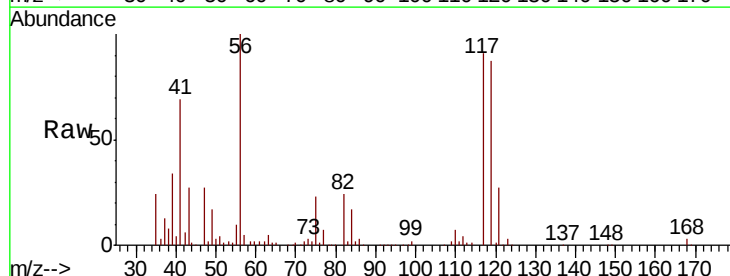
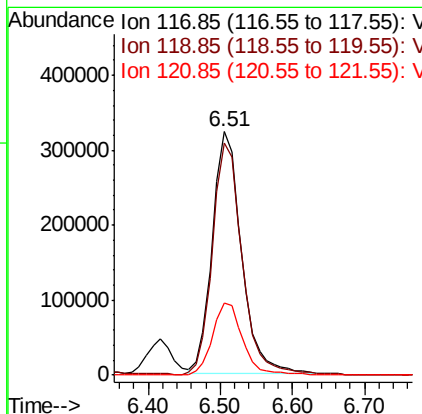
RT: 6.51 min Scan# 506

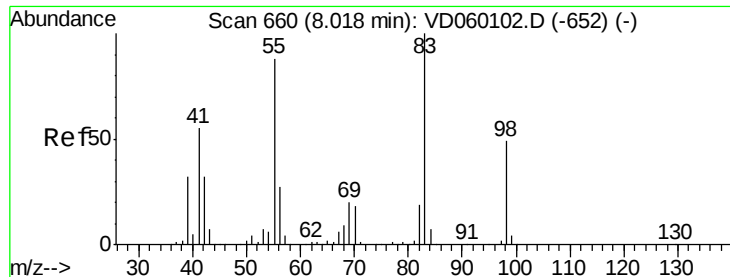
Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tgt Ion:	117	Resp:	904386
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.8	116.6
121	29.8	24.8	37.2





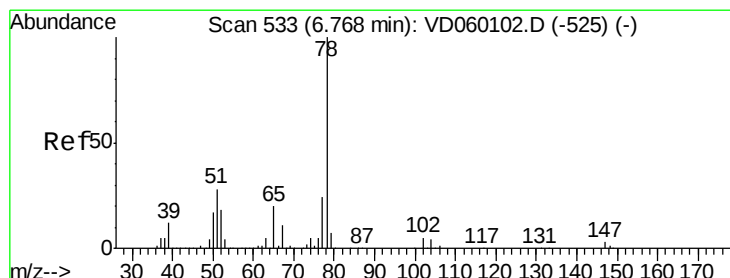
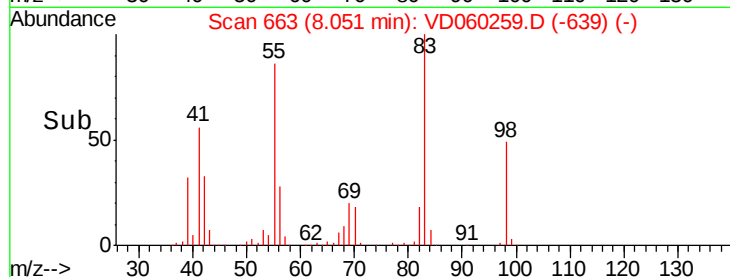
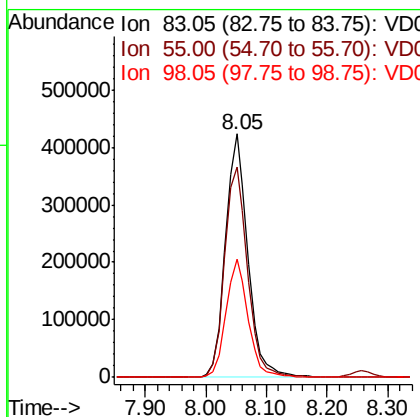
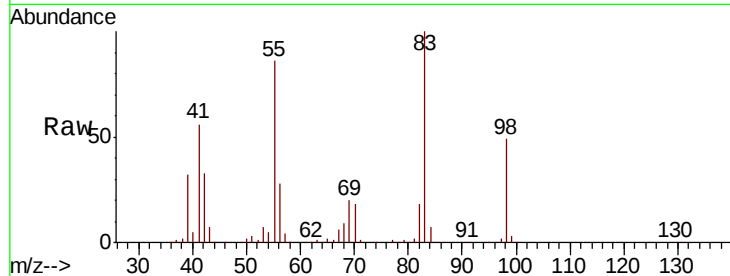
#39
Methvlcvclohexane
Concen: 45.749 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1088649
Ion Ratio Lower Upper
83 100
55 86.4 70.5 105.7
98 48.6 39.4 59.2

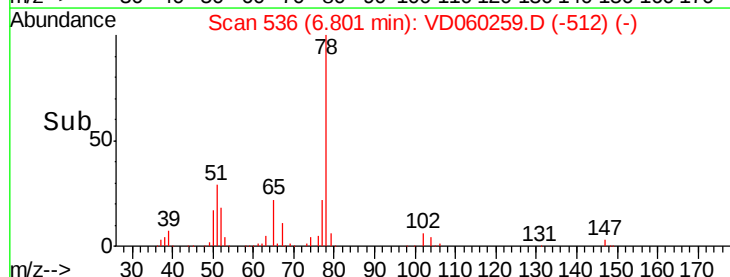
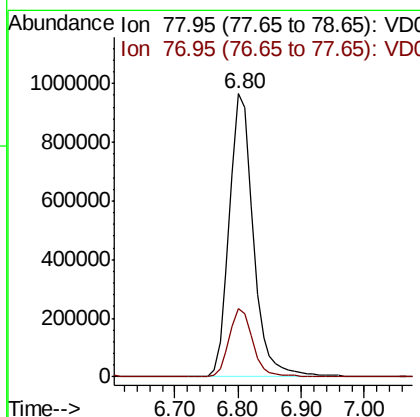
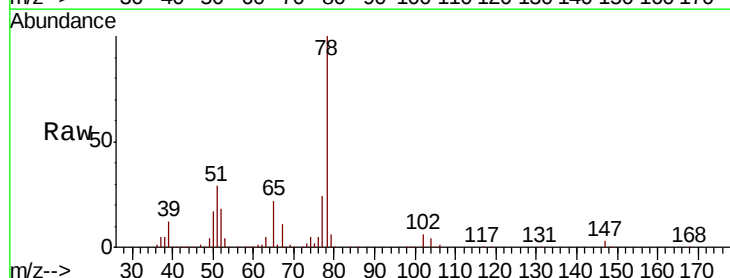
Manual Integrations
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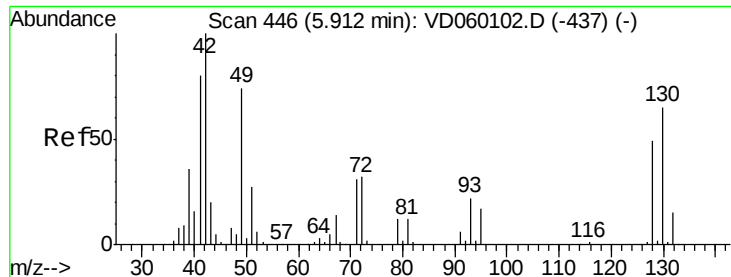
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#40
Benzene
Concen: 46.542 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion: 78 Resp: 2550097
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4





#41

Methacrylonitrile

Concen: 35.669 ug/l m

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 280262

Ion Ratio Lower Upper

41 100

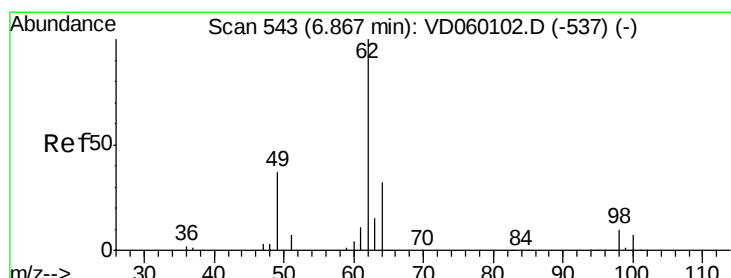
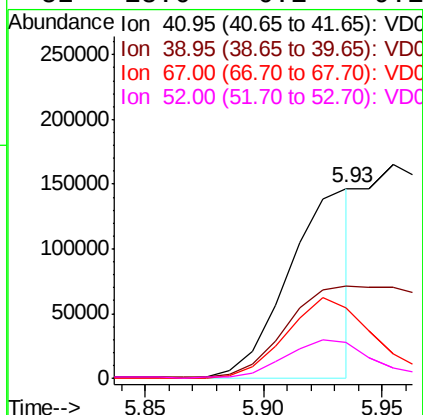
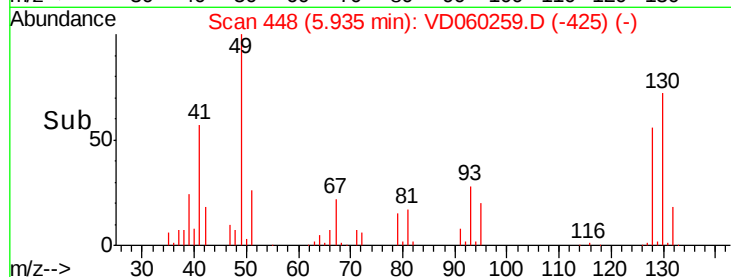
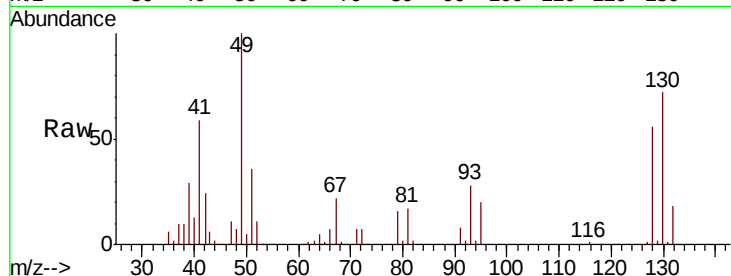
39 48.8 36.0 54.0

67 37.4 13.9 20.9#

52 18.6 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.217 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060259.D

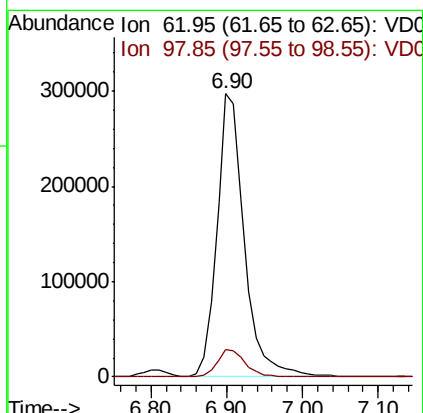
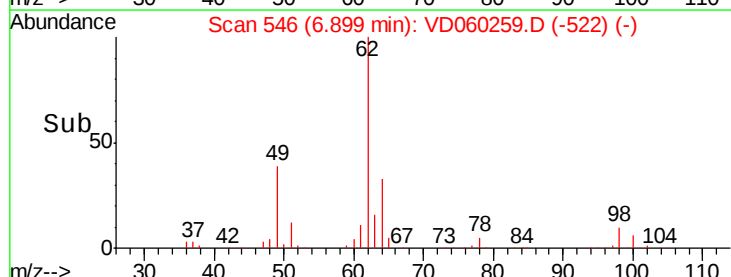
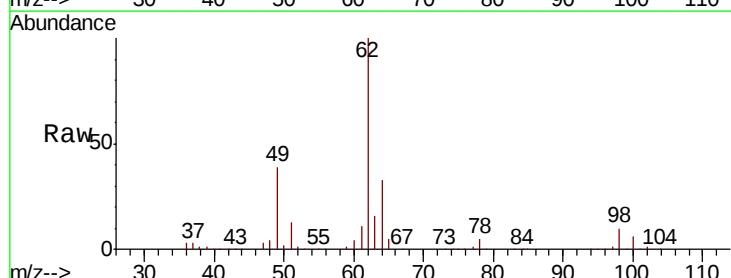
Acq: 1 Nov 2018 13:21

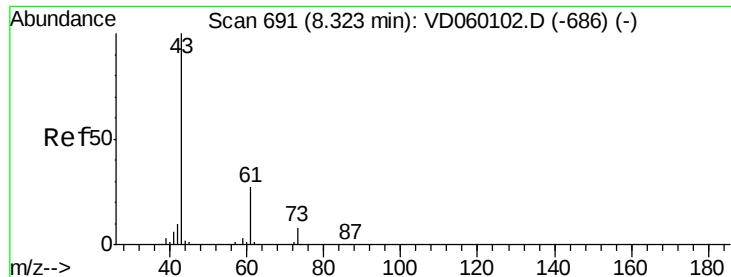
Tgt Ion: 62 Resp: 741709

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.6





#43

Isopropyl Acetate

Concen: 45.020 ug/l

RT: 8.36 min Scan# 694

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

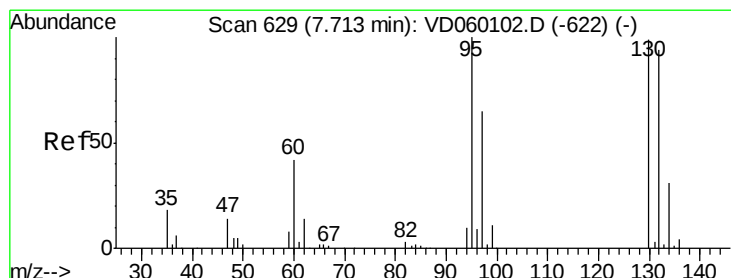
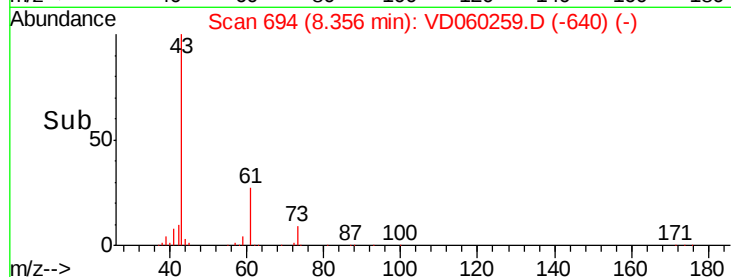
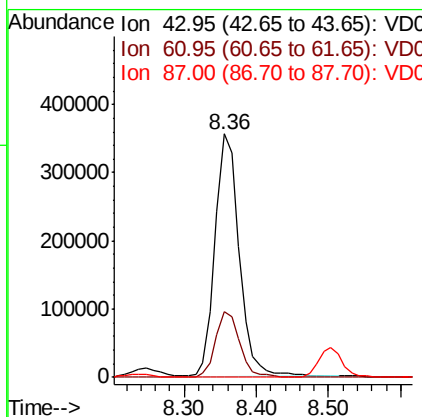
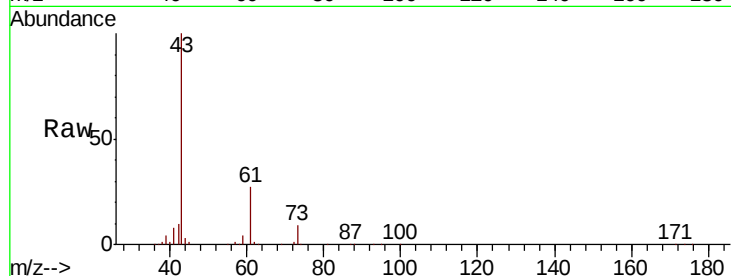
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	823364
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.4	32.2
87	0.2	0.2	0.2

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#44

Trichloroethene

Concen: 46.423 ug/l

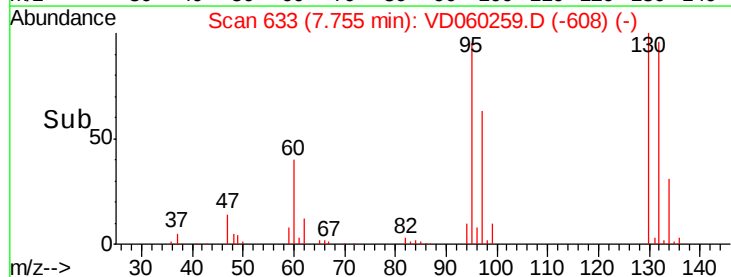
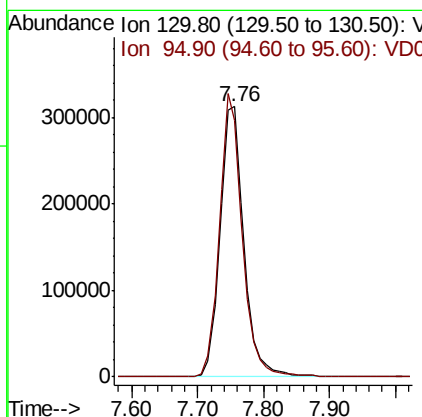
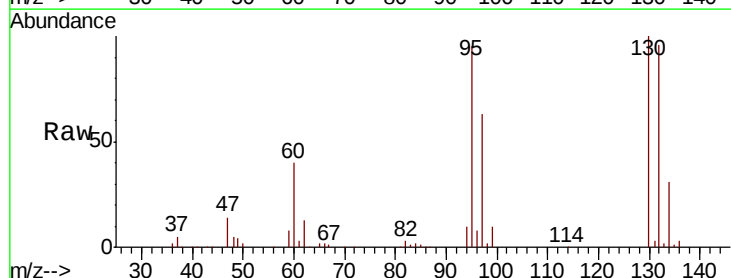
RT: 7.76 min Scan# 633

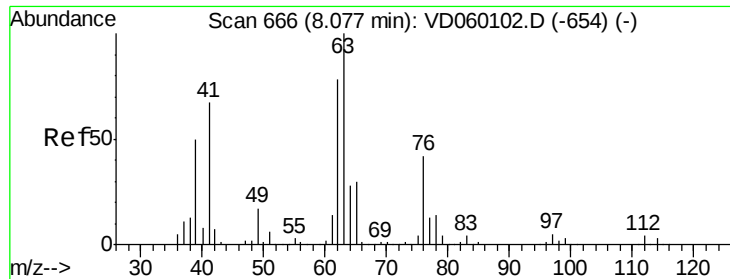
Delta R.T. 0.04 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tgt Ion:	130	Resp:	787380
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	202.2





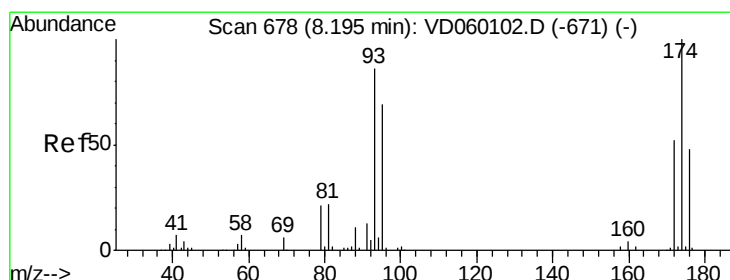
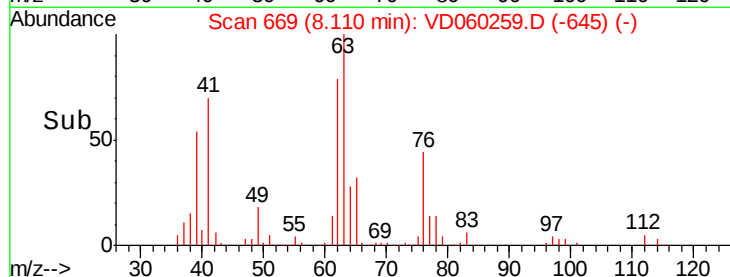
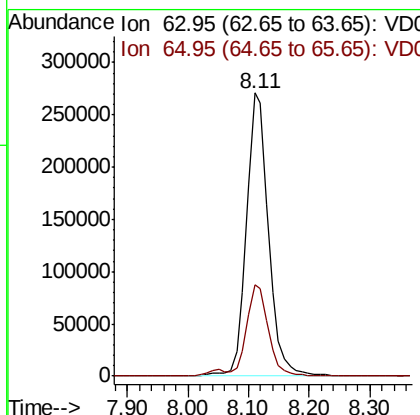
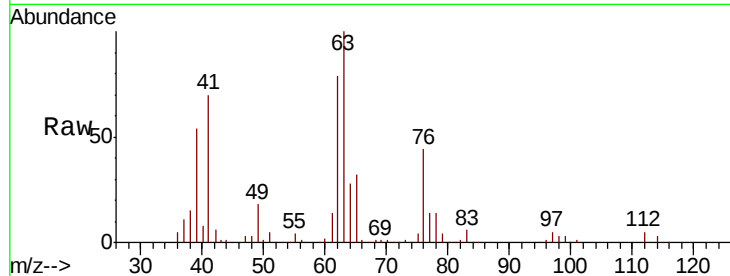
#45
 1,2-Dichloropropane
 Concen: 47.741 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 684929
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.1 36.1

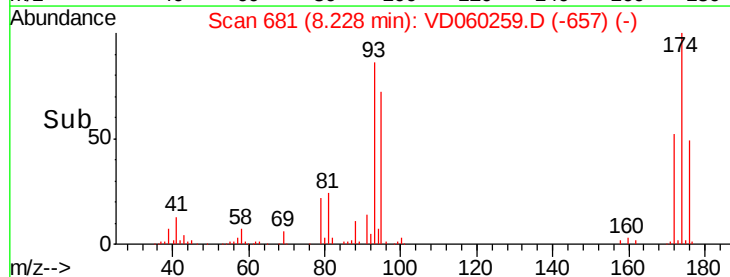
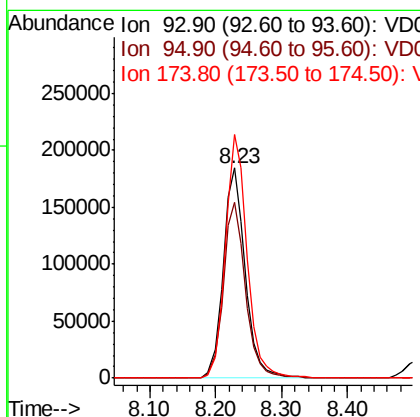
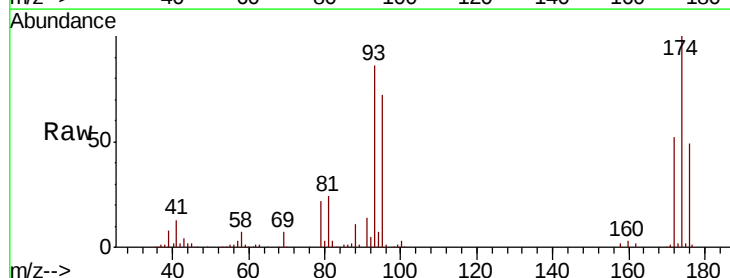
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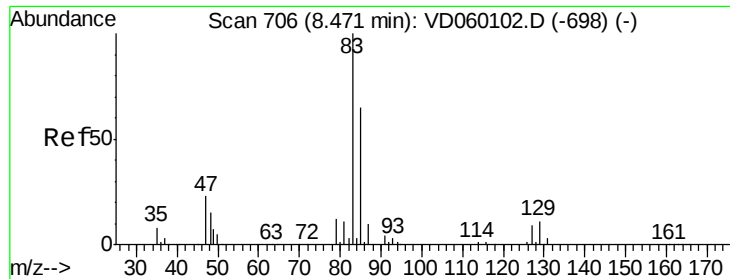
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#46
 Dibromomethane
 Concen: 46.313 ug/l
 RT: 8.23 min Scan# 681
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion: 93 Resp: 430168
 Ion Ratio Lower Upper
 93 100
 95 84.0 63.8 95.6
 174 116.0 92.9 139.3





#47

Bromodichloromethane

Concen: 49.782 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

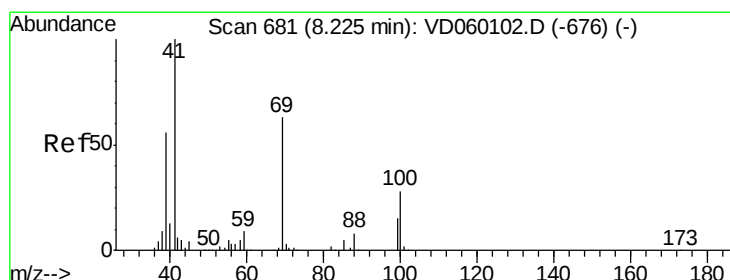
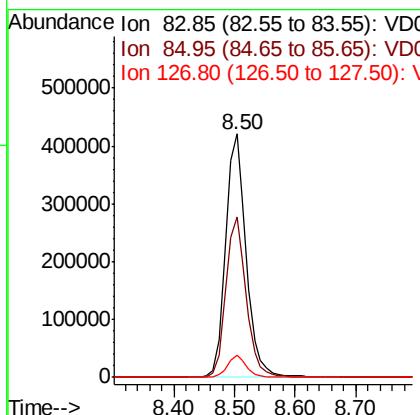
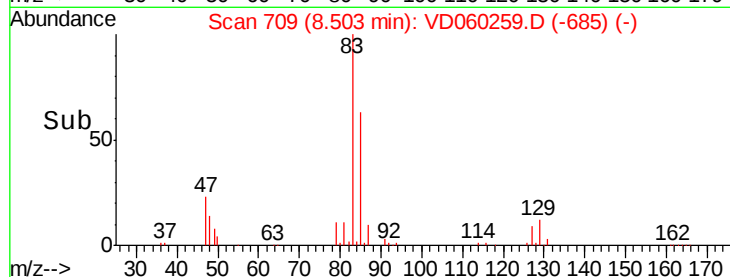
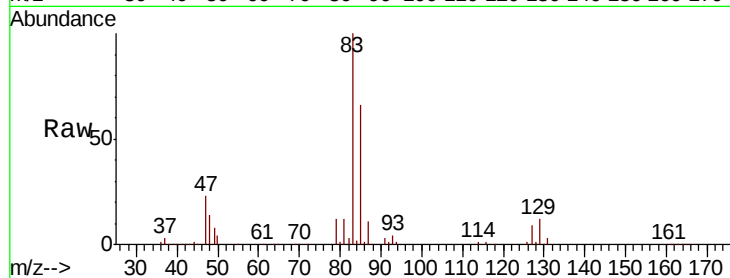
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	985232
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.2	78.2
127	9.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 46.591 ug/l

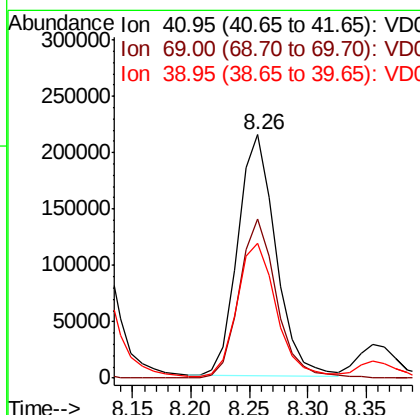
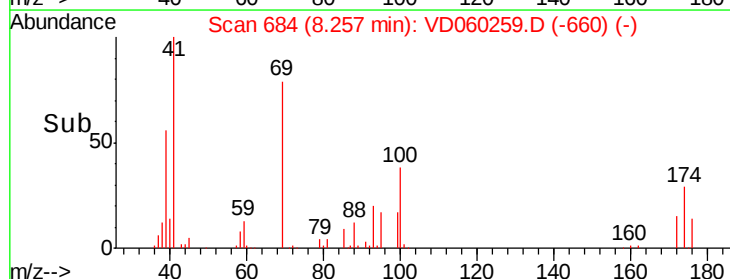
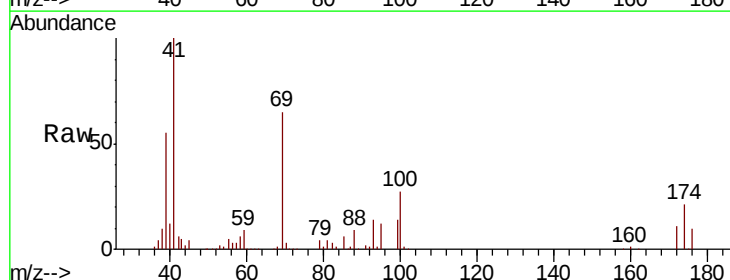
RT: 8.26 min Scan# 684

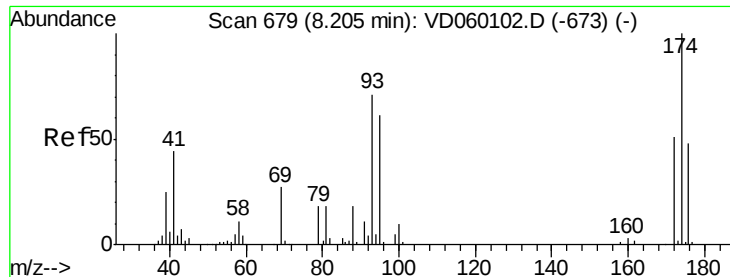
Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tgt Ion:	41	Resp:	485364
Ion Ratio	Lower	Upper	
41	100		
69	65.2	49.7	74.5
39	55.5	45.2	67.8





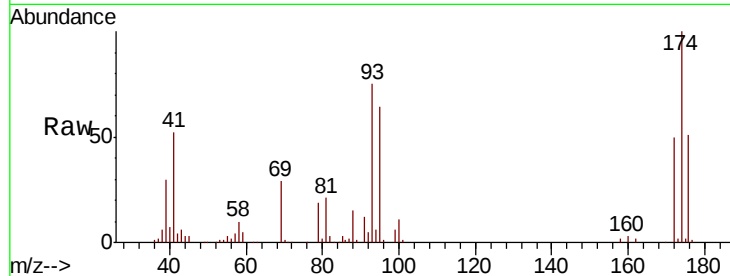
#49
1,4-Dioxane
Concen: 925.620 ug/l
RT: 8.24 min Scan# 682
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

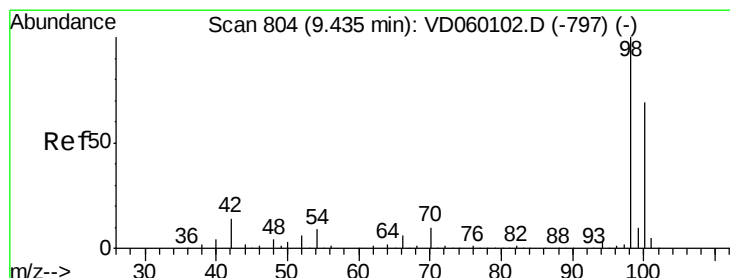
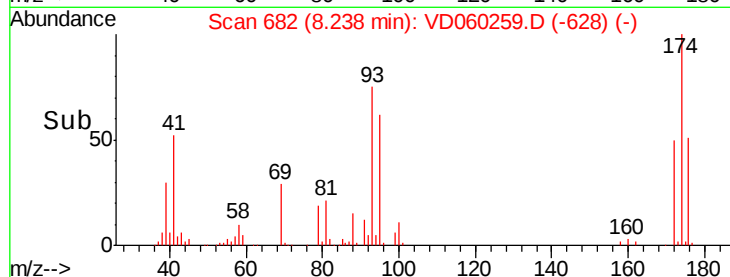
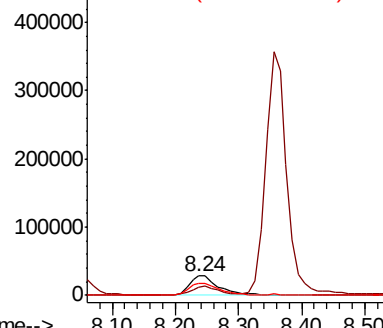
Tot Ion	88	Resp	94877
Ion Ratio	100	Lower	Upper
88	100		
43	40.1	33.7	50.5
58	64.7	49.1	73.7

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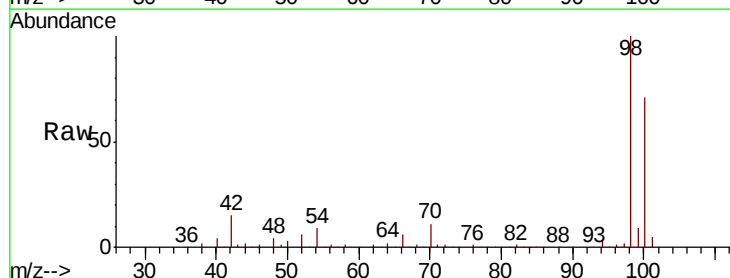


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

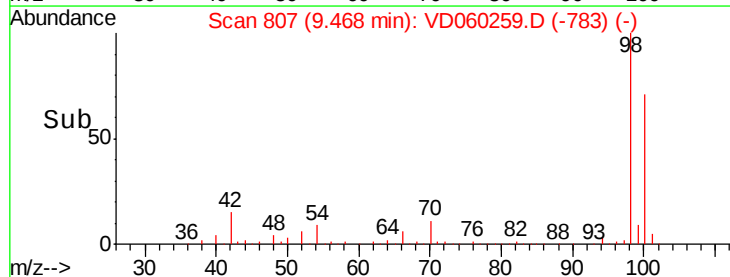
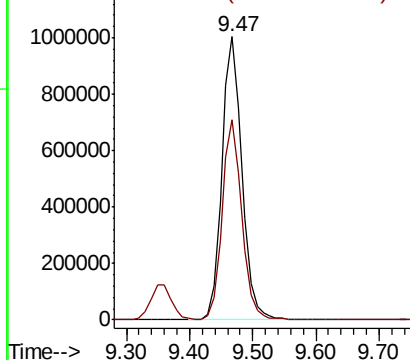


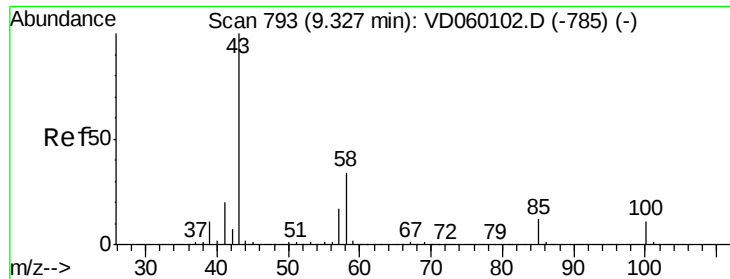
#50
Toluene-d8
Concen: 925.620 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion	98	Resp	2216772
Ion Ratio	100	Lower	Upper
98	100		
100	70.7	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 238.551 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tot Ion: 43 Resp: 2751764

Ion Ratio Lower Upper

43 100

58 32.8 27.2 40.8

Instrument :

MSVOA_D

ClientSampleId :

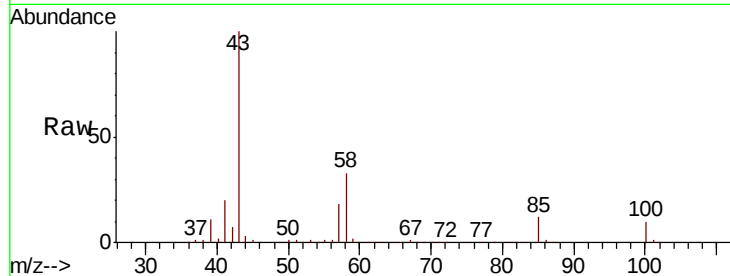
VSTDCCC050

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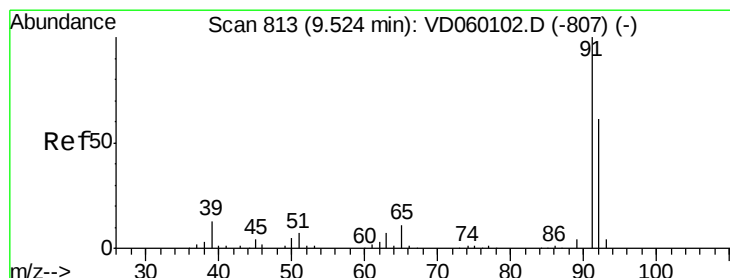
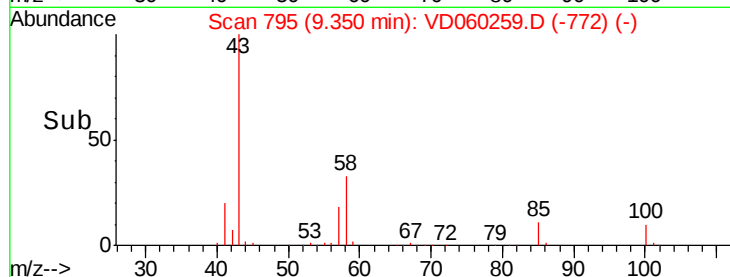
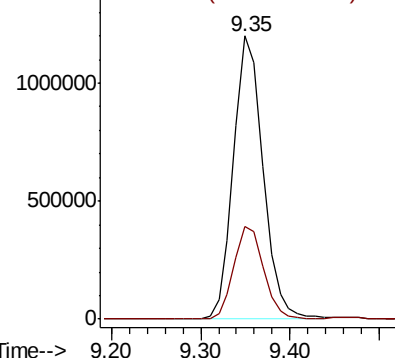
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.069 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060259.D

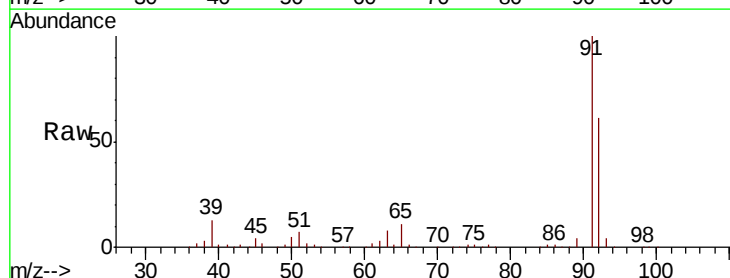
Acq: 1 Nov 2018 13:21

Tgt Ion: 92 Resp: 1660949

Ion Ratio Lower Upper

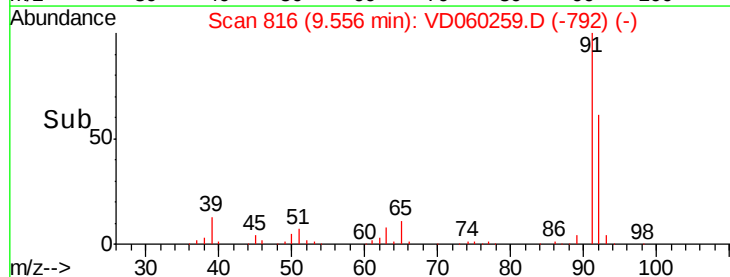
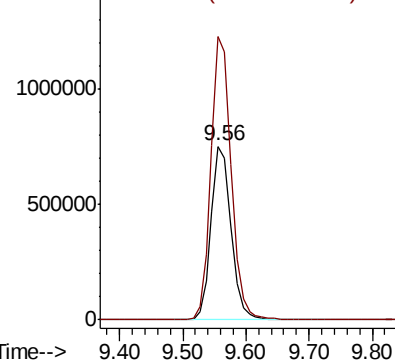
92 100

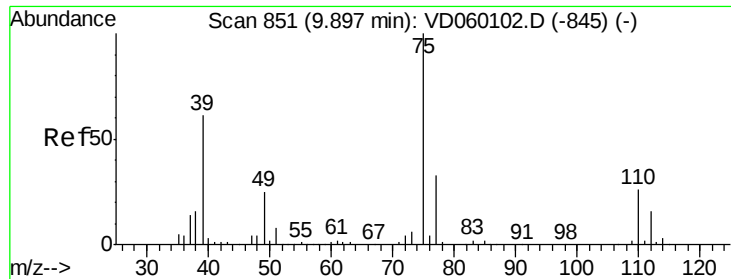
91 162.9 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 49.731 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tot Ion: 75 Resp: 890554

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

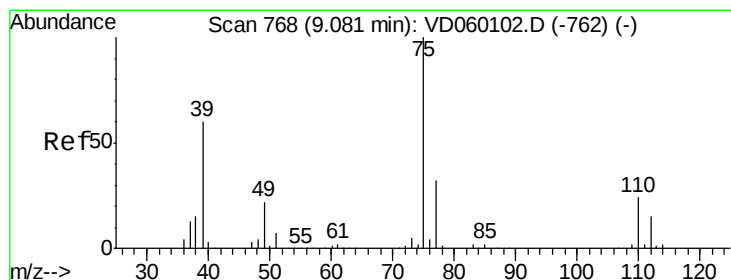
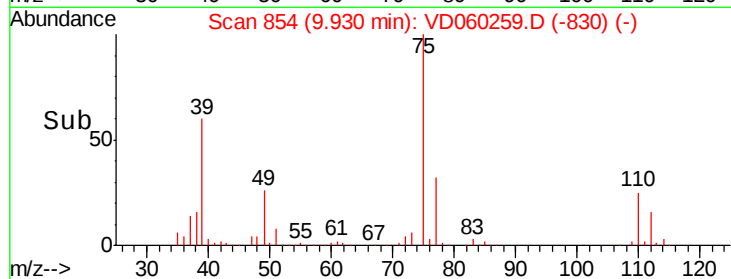
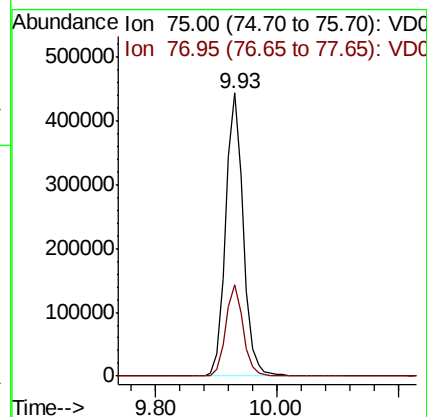
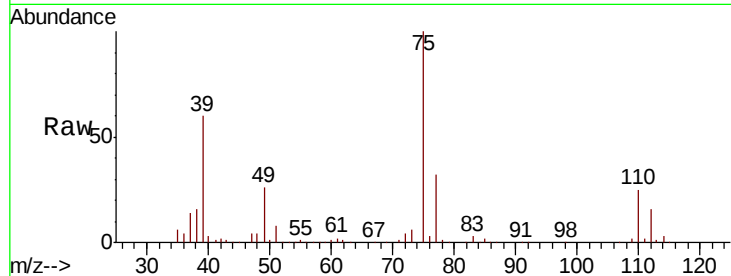
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 48.484 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.03 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

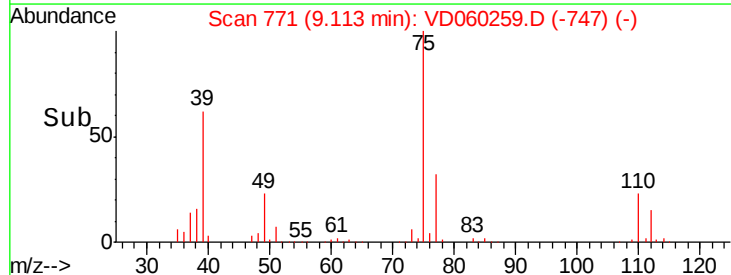
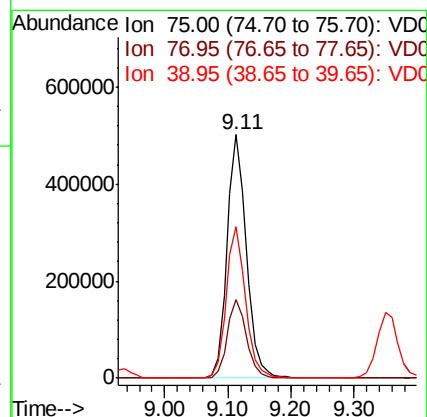
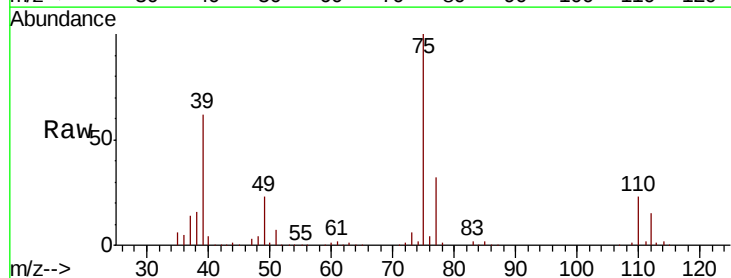
Tgt Ion: 75 Resp: 1072147

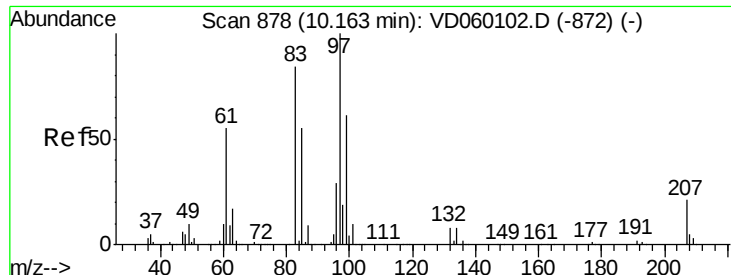
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 62.0 48.2 72.4





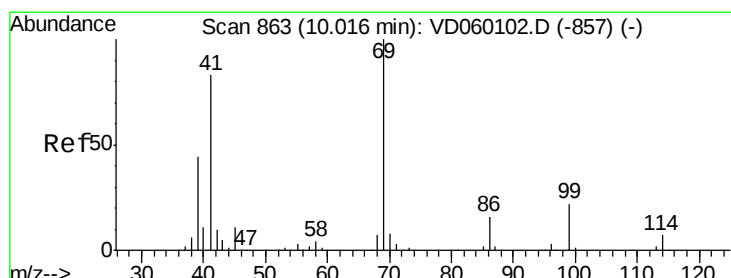
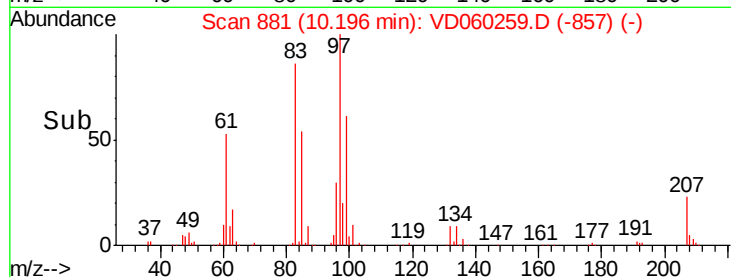
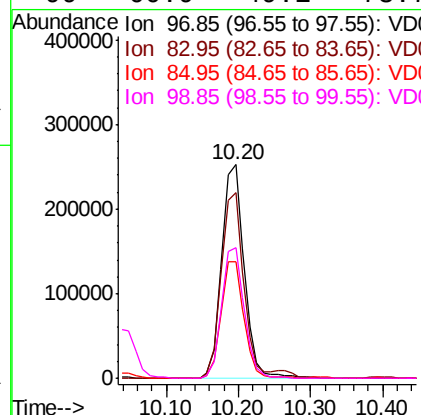
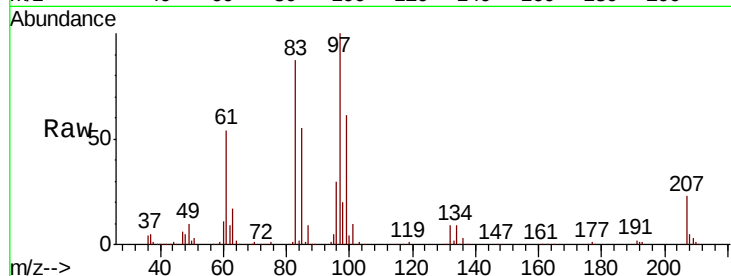
#55
 1,1,2-Trichloroethane
 Concen: 47.101 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		543353		
83	86.7	67.0	100.6		
85	54.5	43.9	65.9		
99	60.9	49.1	73.7		

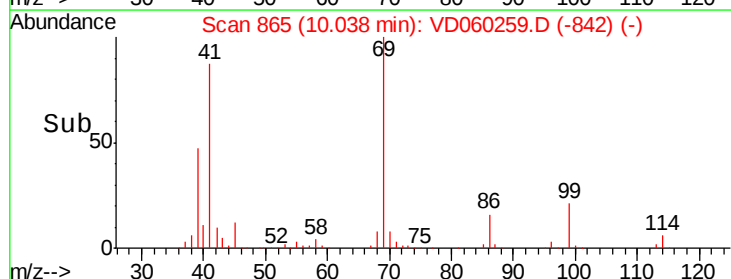
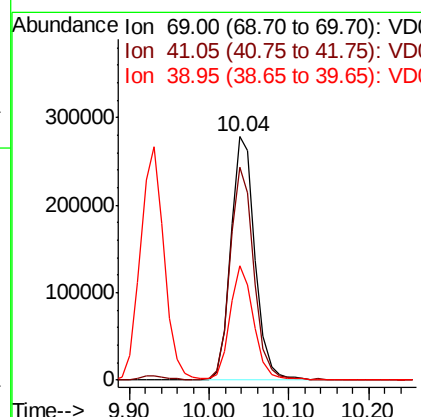
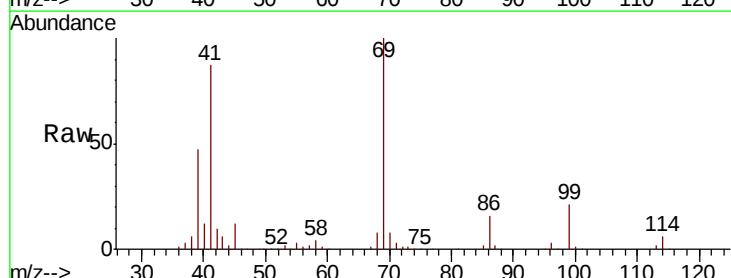
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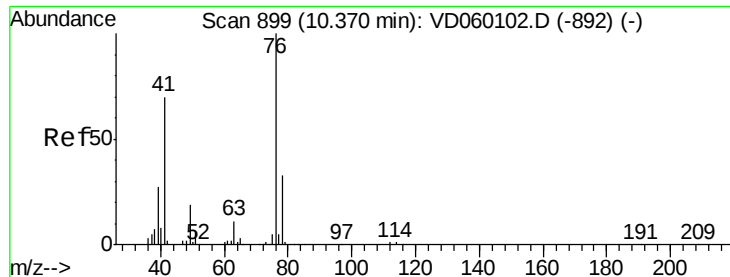
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#56
 Ethyl methacrylate
 Concen: 46.761 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		595464		
41	87.3	66.6	100.0		
39	46.9	36.0	54.0		





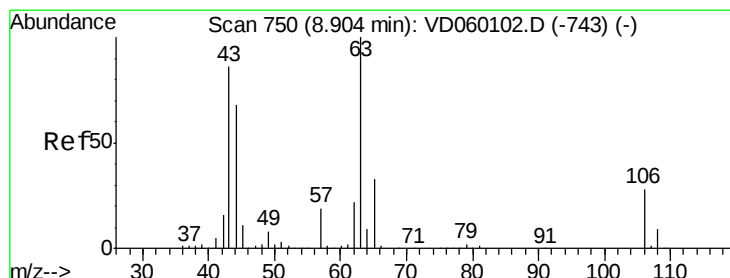
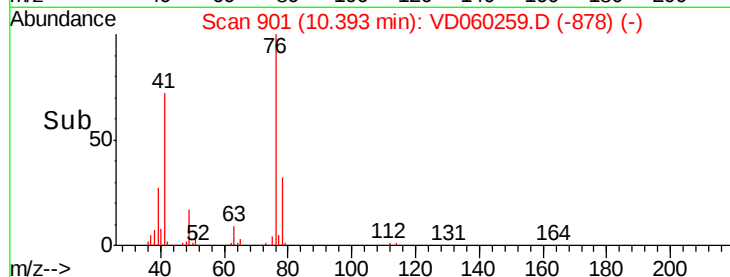
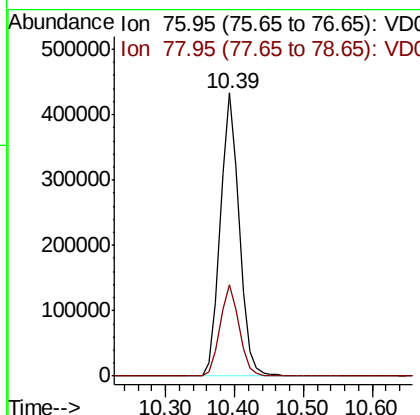
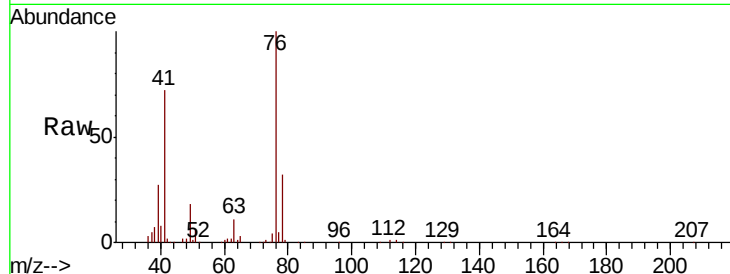
#57
 1,3-Dichloropropane
 Concen: 46.812 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. 0.02 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 823601
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2

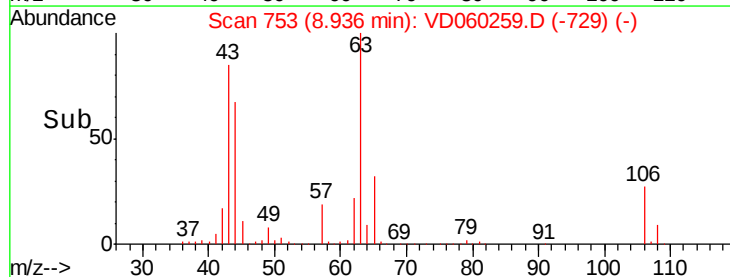
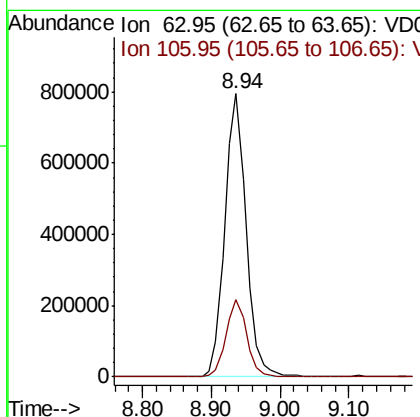
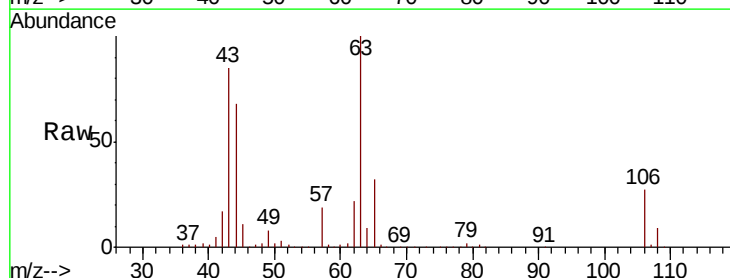
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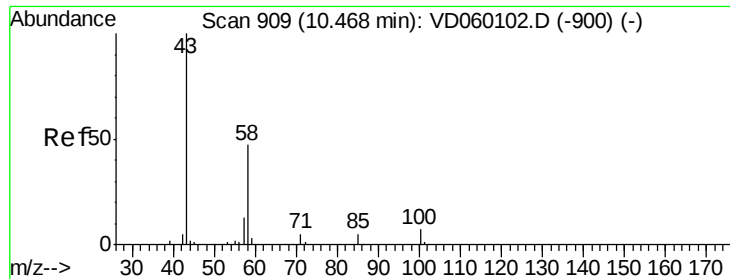
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.690 ug/l
 RT: 8.94 min Scan# 753
 Delta R.T. 0.03 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion: 63 Resp: 1701998
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.6 34.0





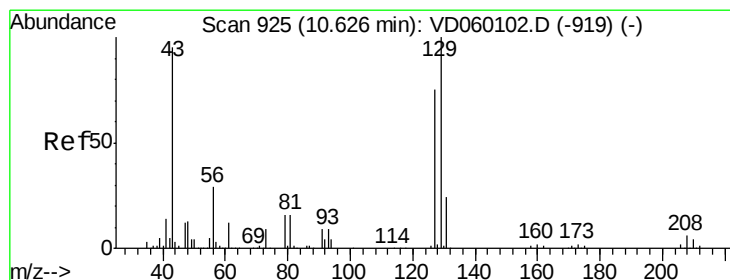
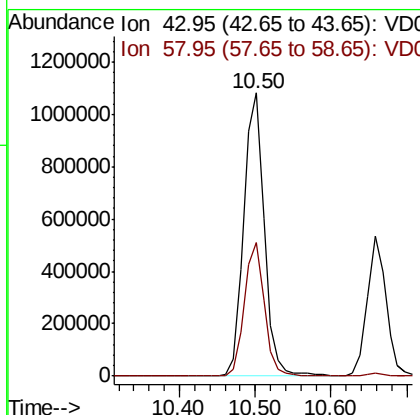
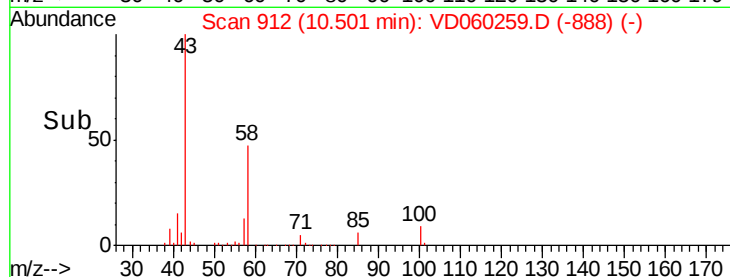
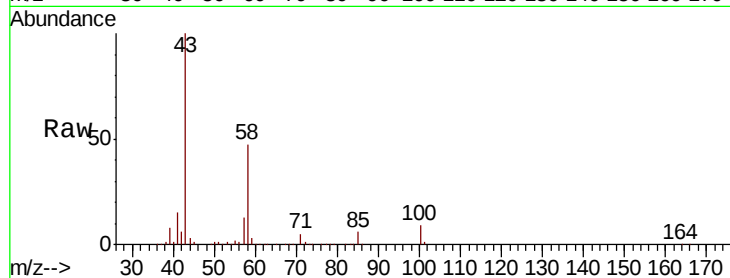
#59
2-Hexanone
Concen: 243.911 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2023200
Ion Ratio Lower Upper
43 100
58 47.3 23.3 69.9

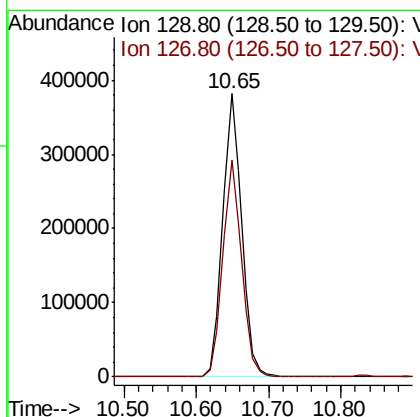
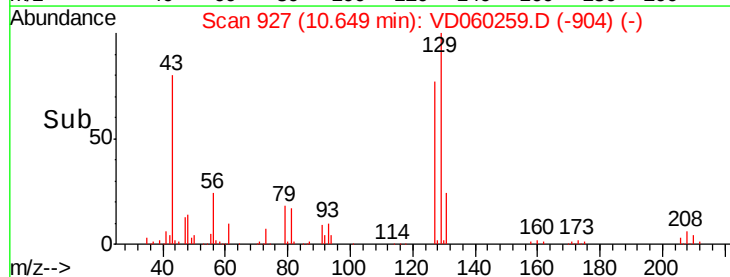
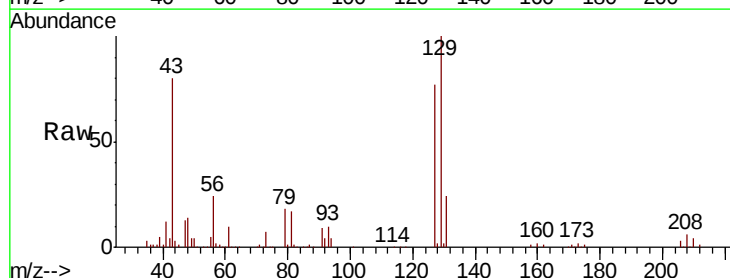
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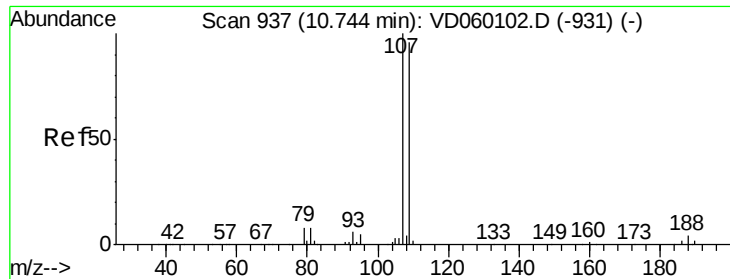
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#60
Dibromochloromethane
Concen: 49.009 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion:129 Resp: 693671
Ion Ratio Lower Upper
129 100
127 76.8 37.4 112.2





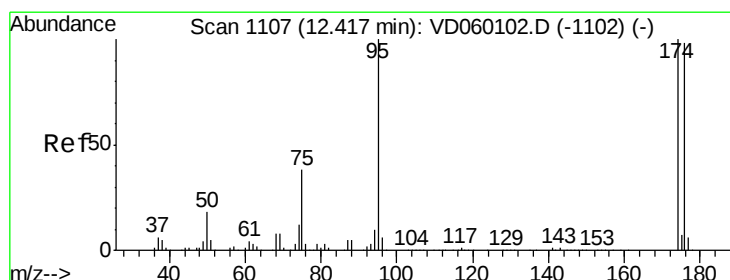
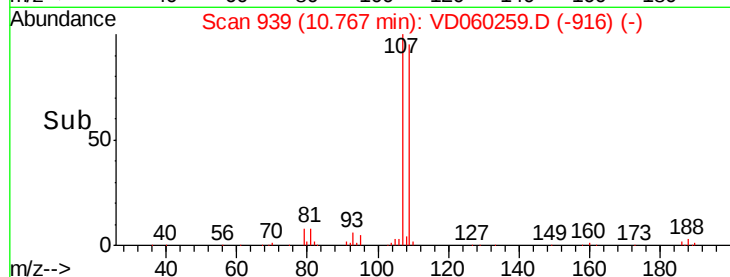
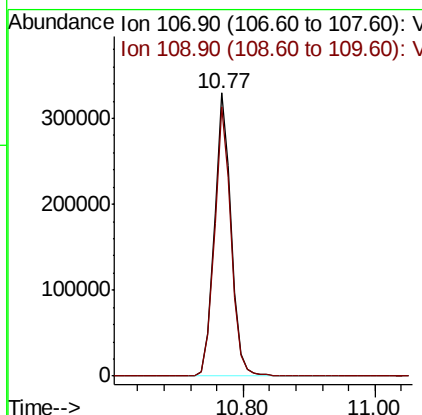
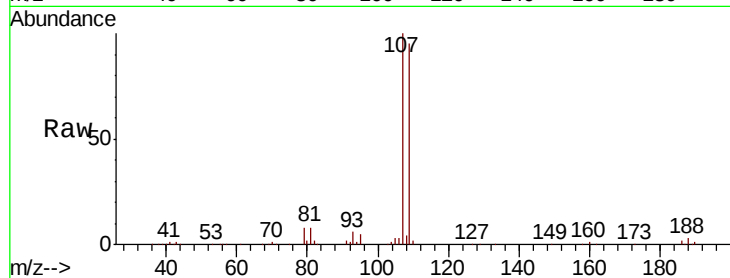
#61
 1,2-Dibromoethane
 Concen: 46.270 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.02 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	77.1	115.7

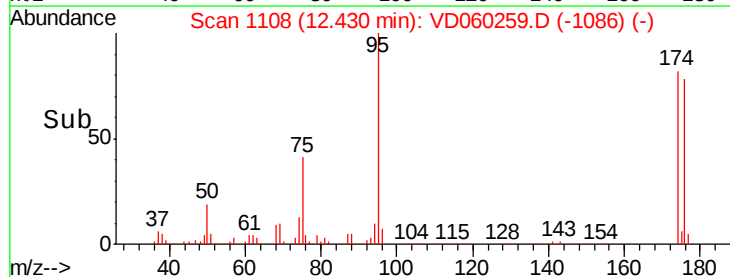
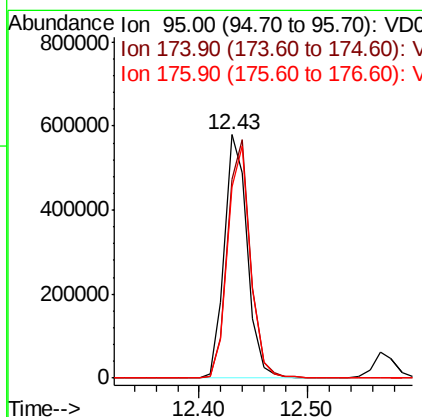
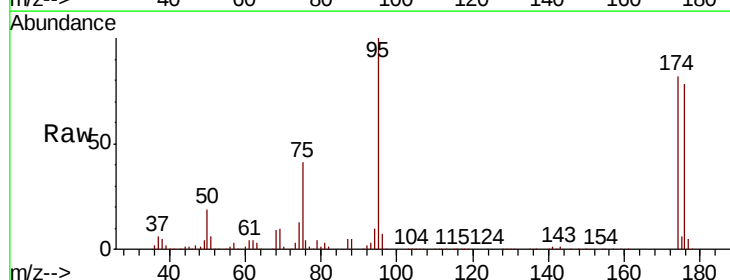
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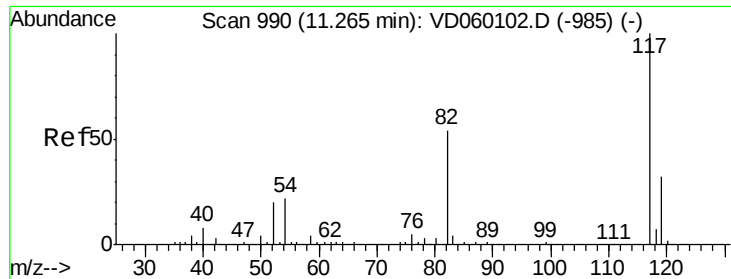
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#62
 4-Bromofluorobenzene
 Concen: 46.270 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	200.2
176	78.4	0.0	195.6





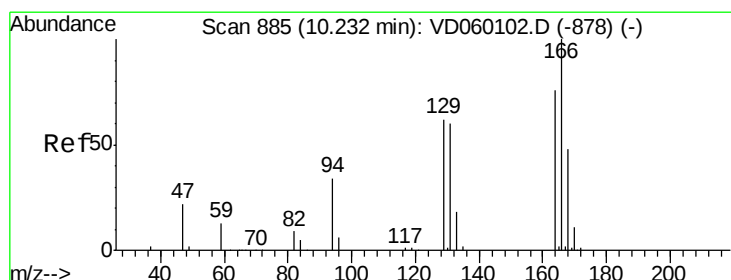
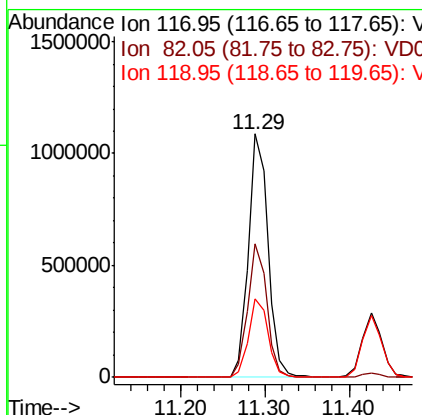
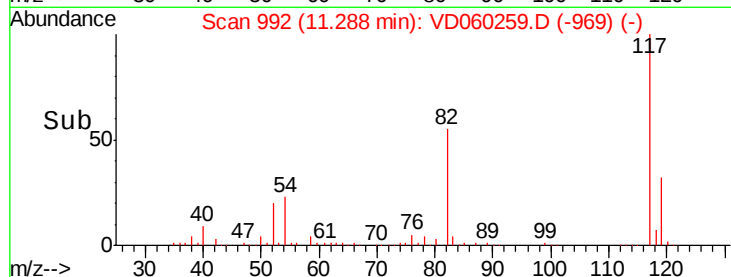
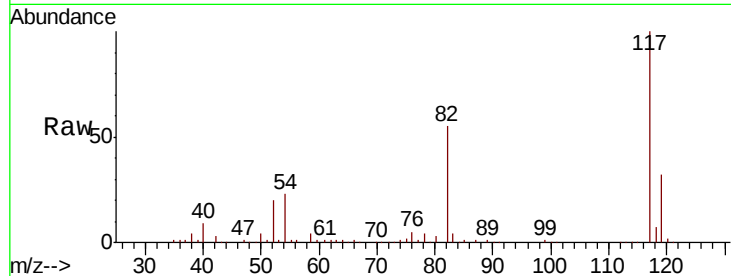
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1780572
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.2
119 32.2 26.0 39.0

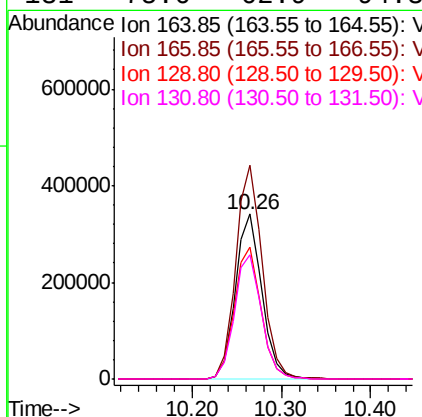
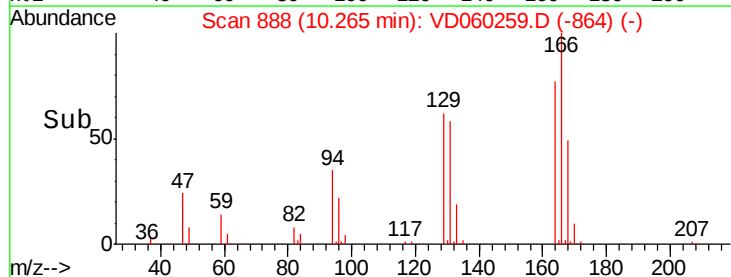
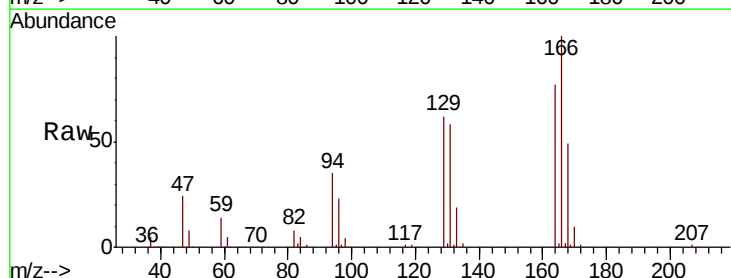
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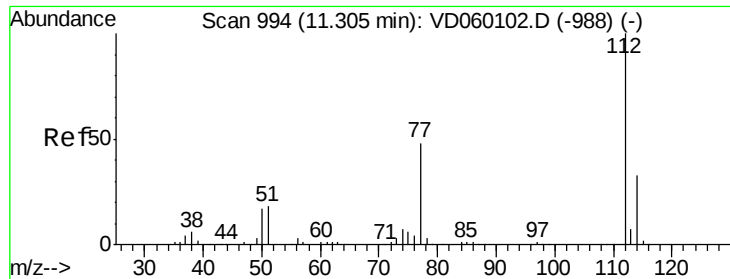
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#64
Tetrachloroethene
Concen: 45.299 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.03 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion:164 Resp: 706441
Ion Ratio Lower Upper
164 100
166 129.7 105.4 158.0
129 80.0 65.7 98.5
131 75.6 62.9 94.3





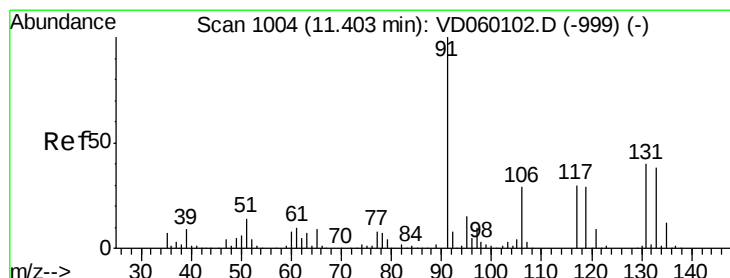
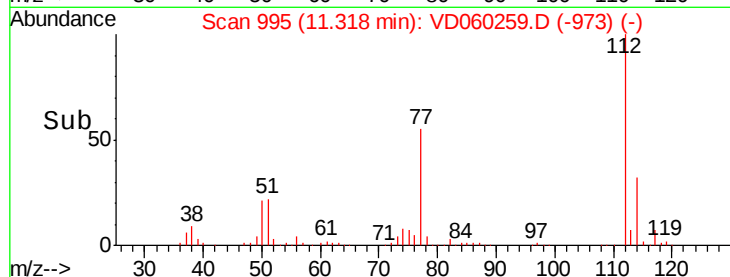
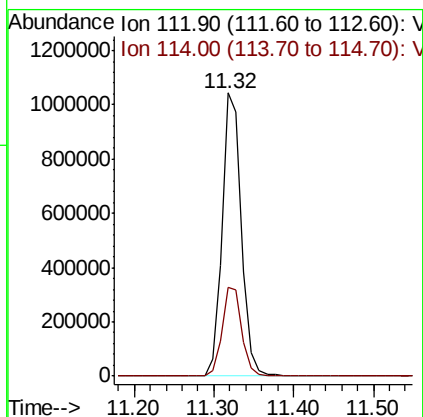
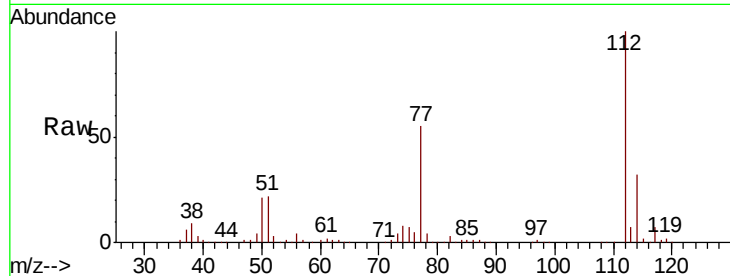
#65
Chlorobenzene
Concen: 46.128 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1776845
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0

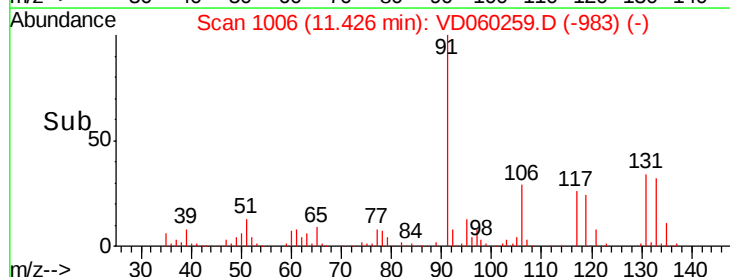
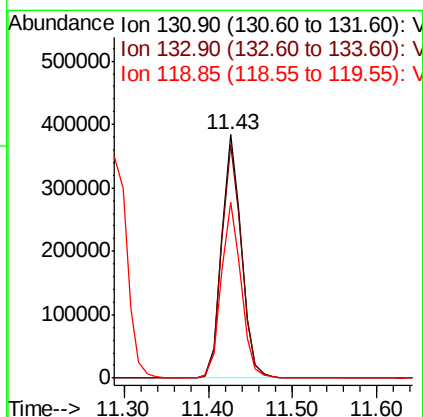
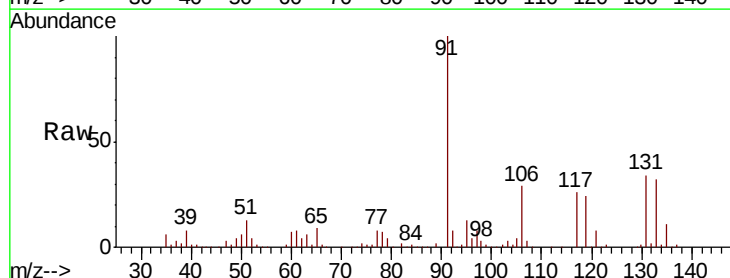
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.530 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion:131 Resp: 623636
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.3
119 72.1 36.1 108.3





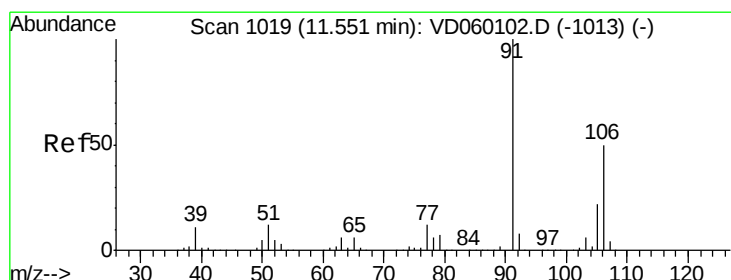
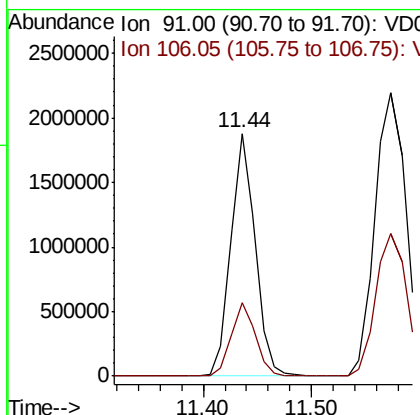
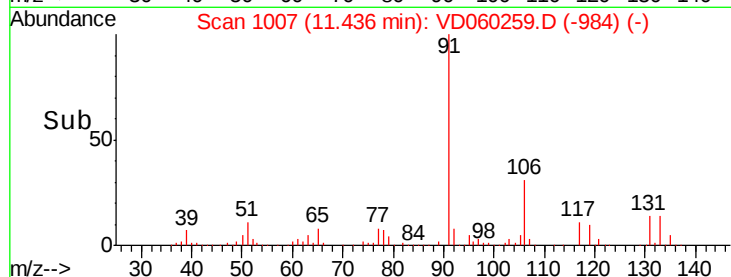
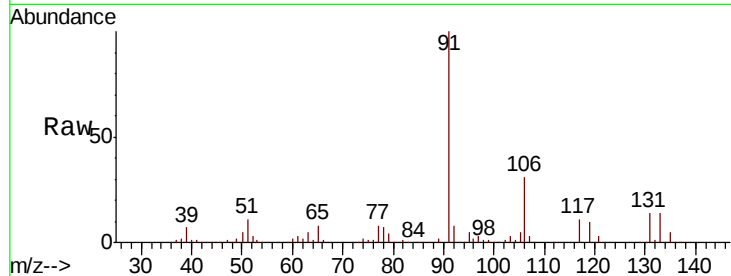
#67
Ethyl Benzene
Concen: 47.290 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2951373
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

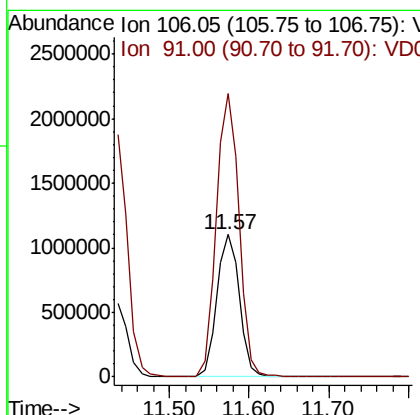
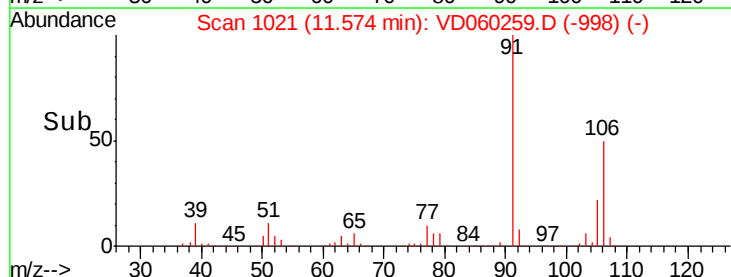
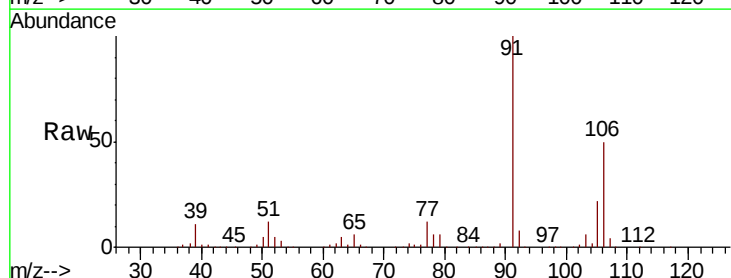
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#68
m/p-Xylenes
Concen: 94.176 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion: 106 Resp: 2196051
Ion Ratio Lower Upper
106 100
91 199.3 160.0 240.0





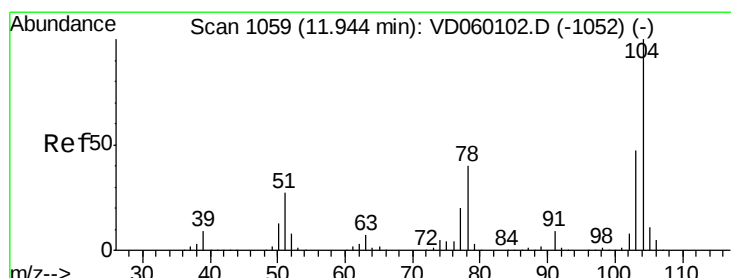
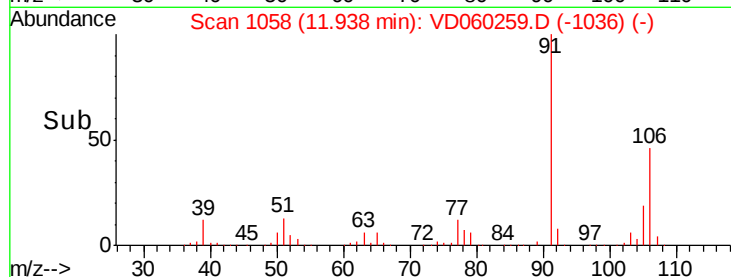
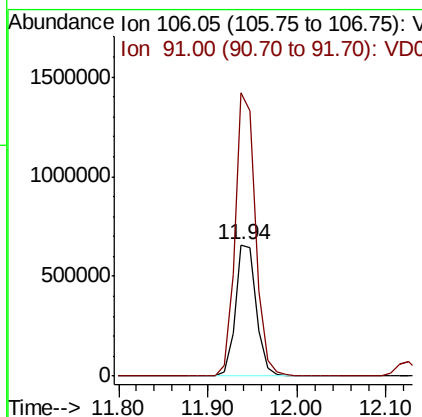
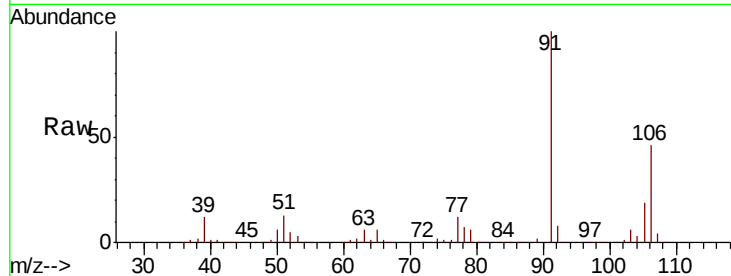
#69
o-Xylene
Concen: 46.680 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1076677
Ion Ratio Lower Upper
106 100
91 215.1 102.5 307.5

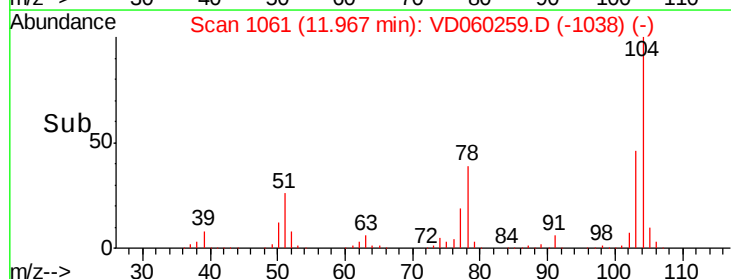
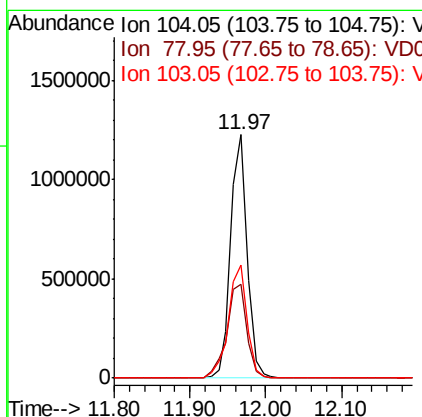
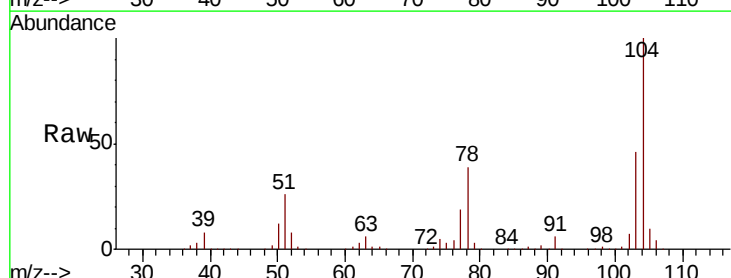
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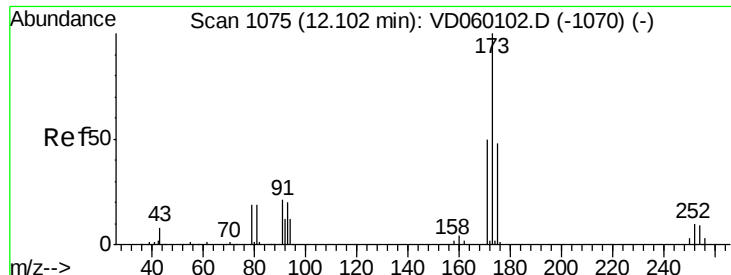
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#70
Styrene
Concen: 47.628 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion:104 Resp: 1837102
Ion Ratio Lower Upper
104 100
78 38.7 32.2 48.4
103 46.5 37.4 56.0





#71

Bromoform

Concen: 48.552 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 505218

Ion Ratio Lower Upper

173 100

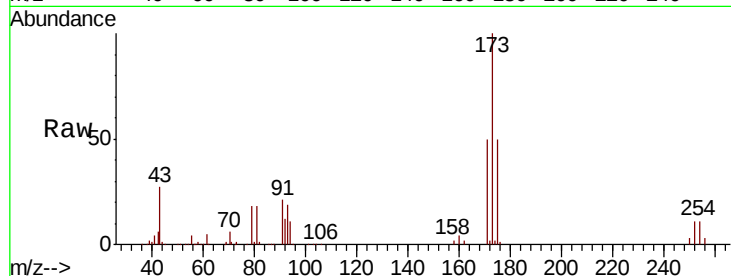
175 50.0 24.1 72.4

254 10.7 7.4 11.0

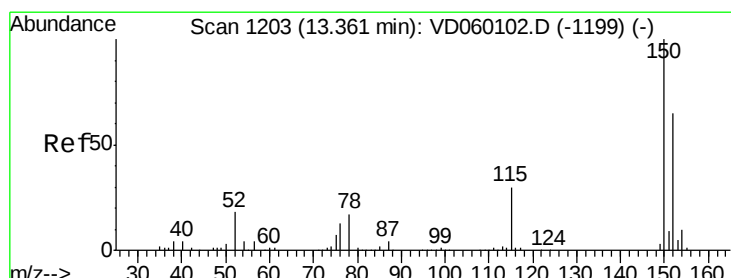
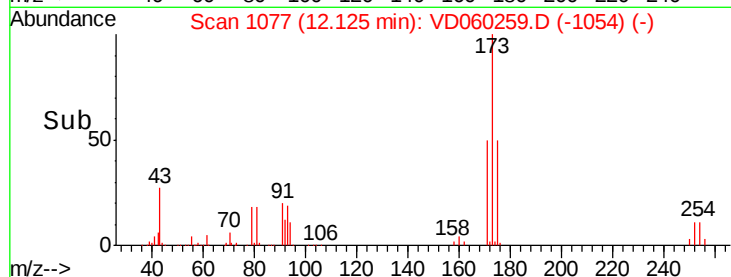
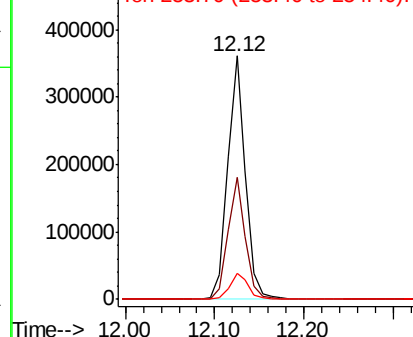
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

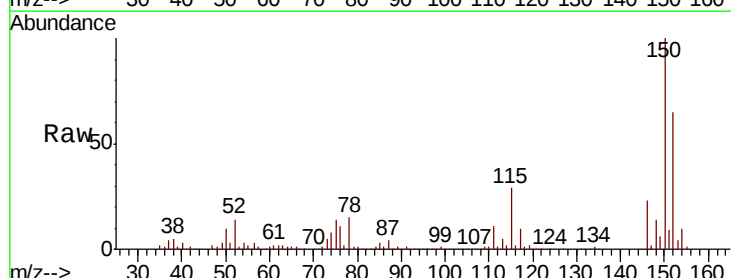
Tgt Ion:152 Resp: 979781

Ion Ratio Lower Upper

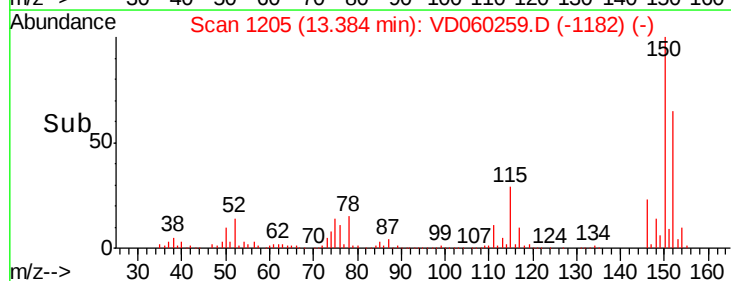
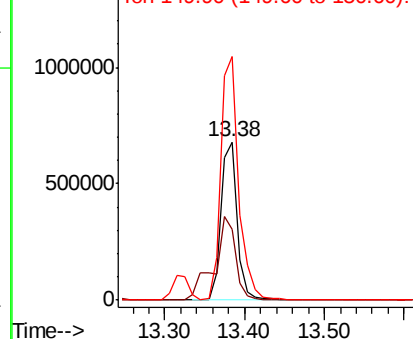
152 100

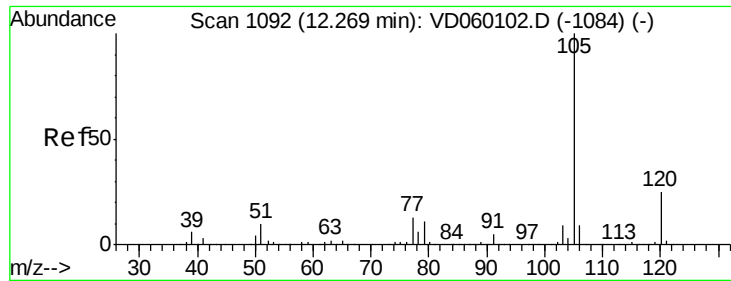
115 45.0 27.1 81.2

150 154.2 0.0 311.8



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: 46.617 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3013247

Ion Ratio Lower Upper

105 100

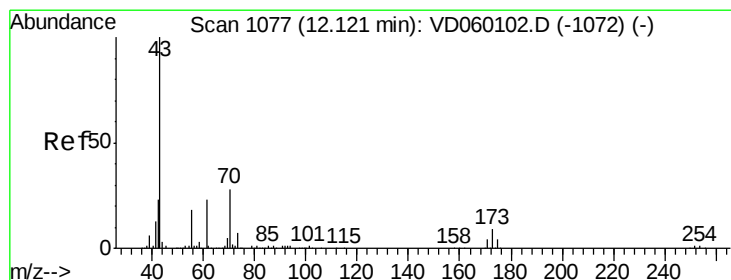
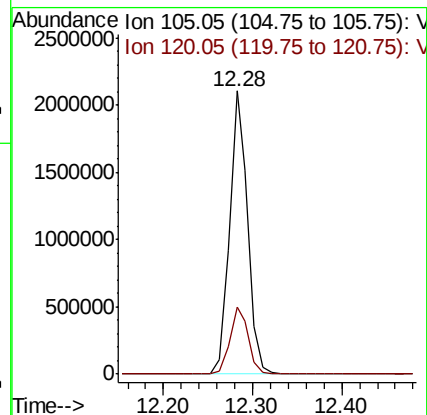
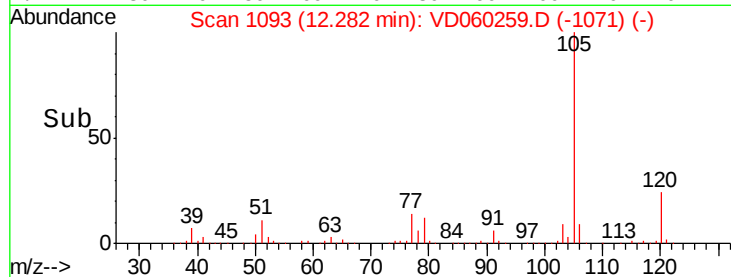
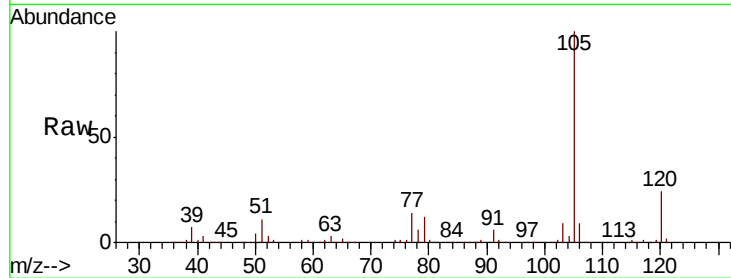
120 23.8 12.6 37.6

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#74

N-ethyl acetate

Concen: 44.520 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Tgt Ion: 43 Resp: 1054064

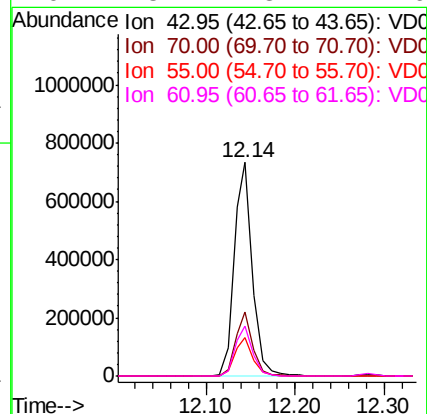
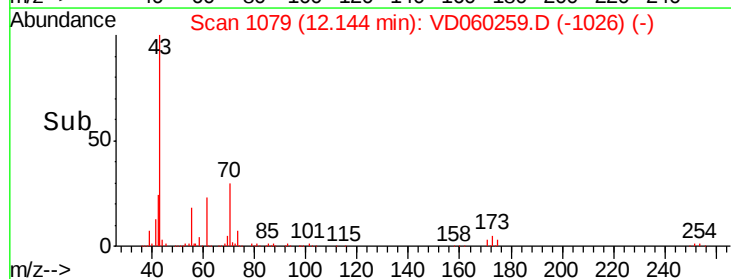
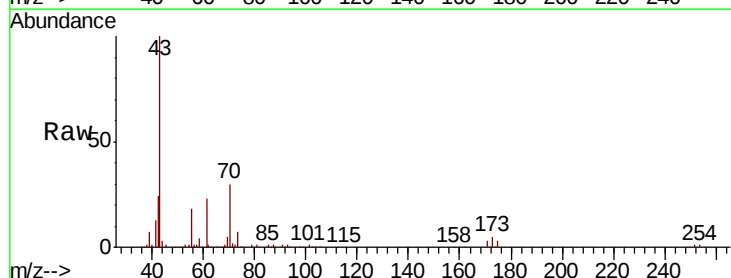
Ion Ratio Lower Upper

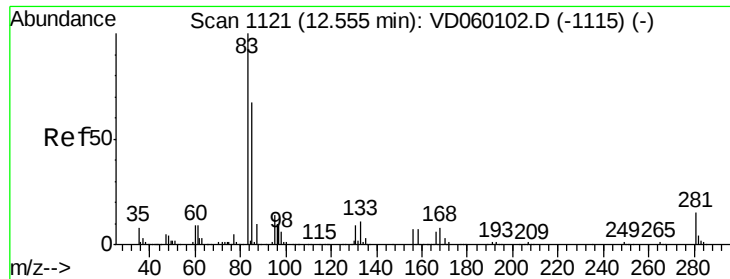
43 100

70 30.0 22.1 33.1

55 17.8 14.1 21.1

61 23.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.121 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 650841
Ion Ratio Lower Upper

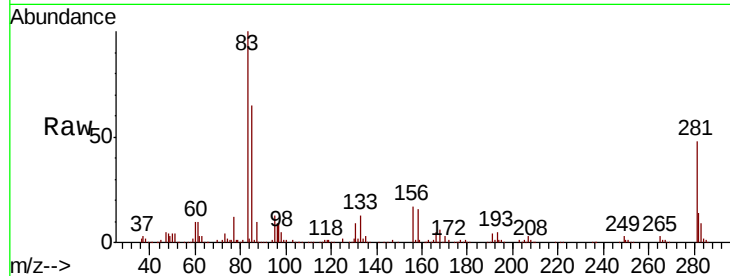
83 100

131 8.8 4.5 13.4

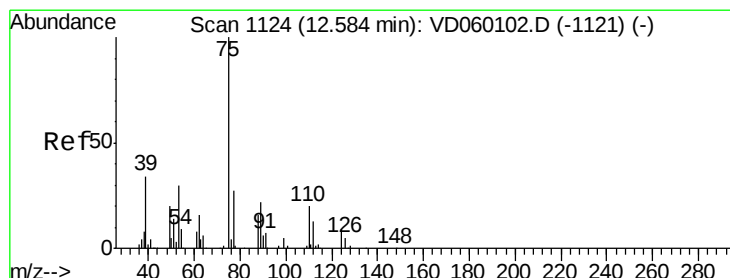
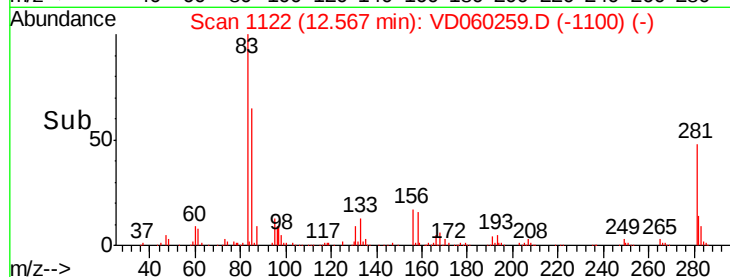
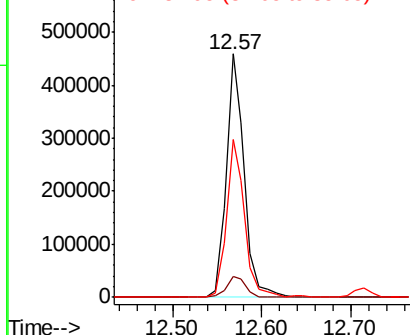
85 64.8 33.3 99.9

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 46.338 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.02 min

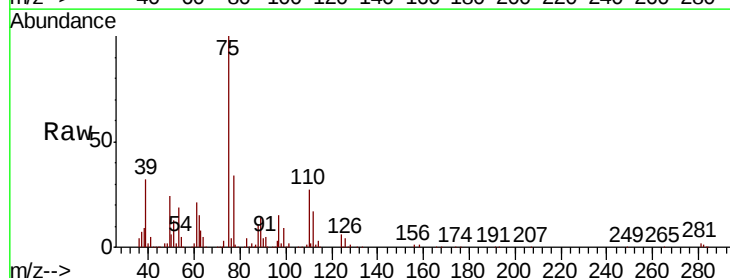
Lab File: VD060259.D

Acq: 1 Nov 2018 13:21

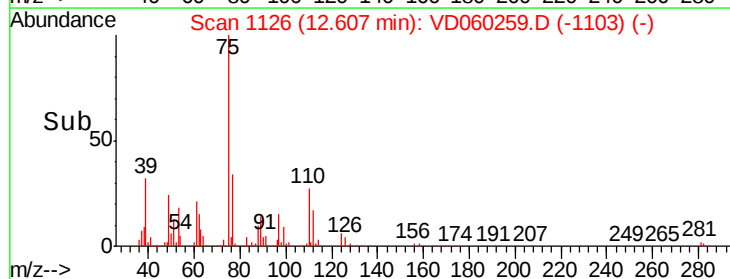
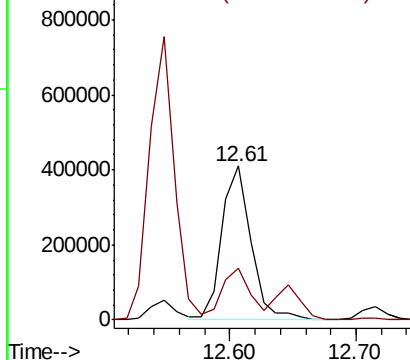
Tgt Ion: 75 Resp: 653836
Ion Ratio Lower Upper

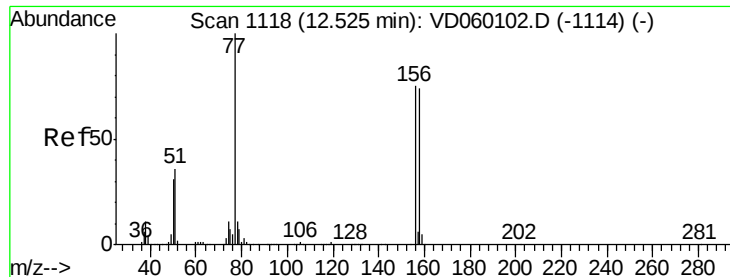
75 100

77 34.0 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





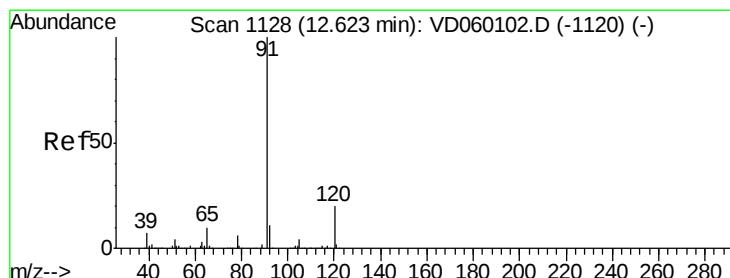
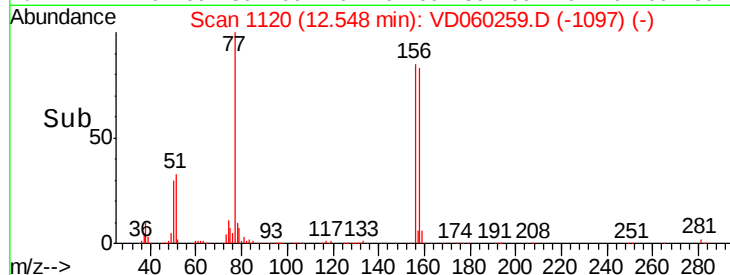
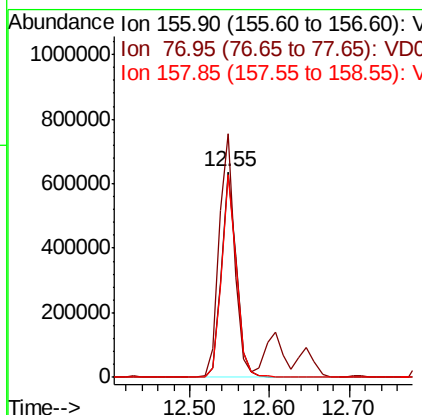
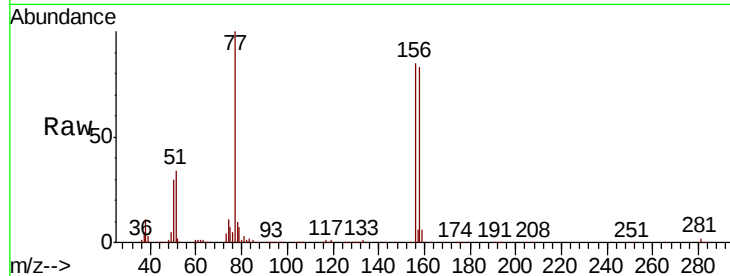
#77
Bromobenzene
Concen: 45.479 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	118.3	66.9	200.7
158	98.3	49.1	147.4

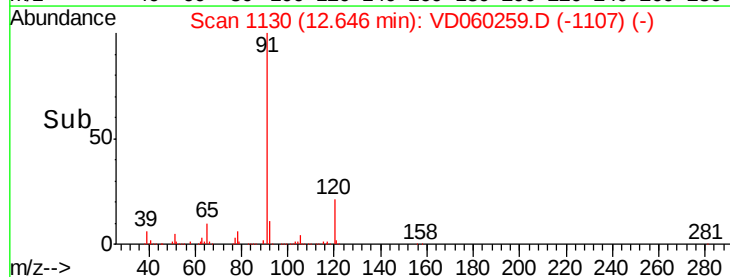
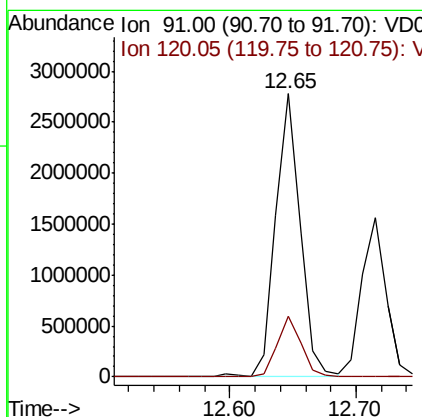
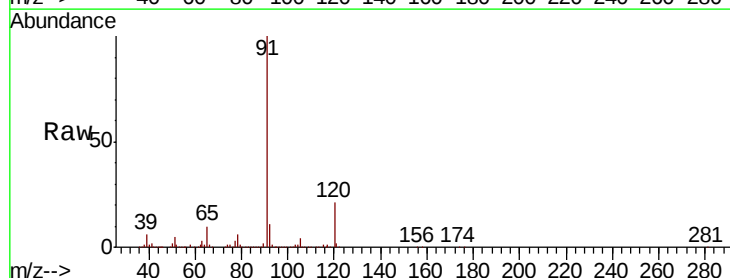
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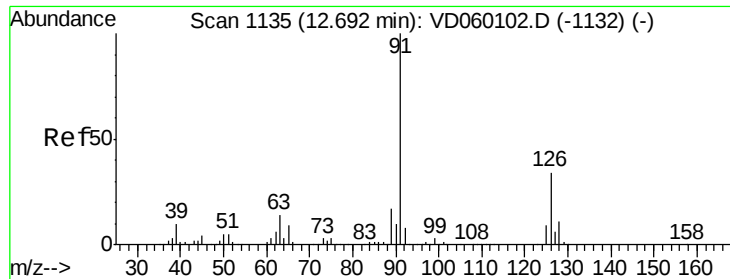
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#78
n-propylbenzene
Concen: 47.012 ug/l
RT: 12.65 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.0	30.0





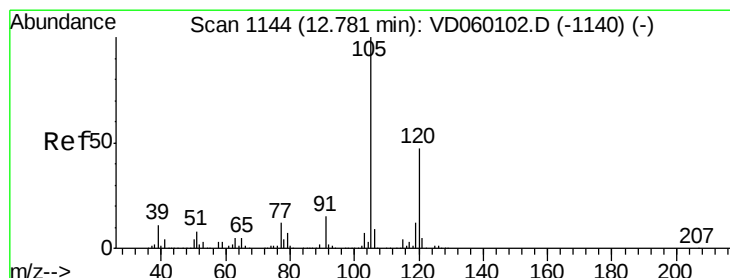
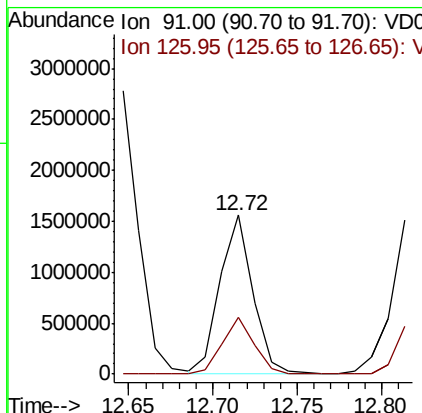
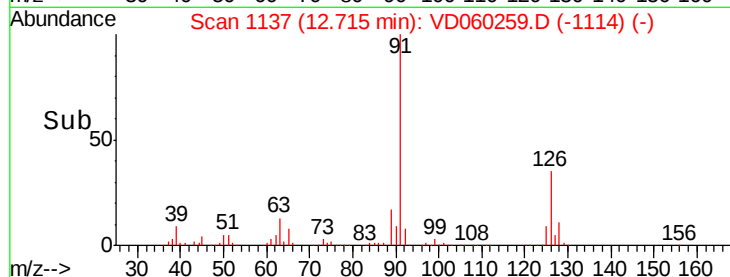
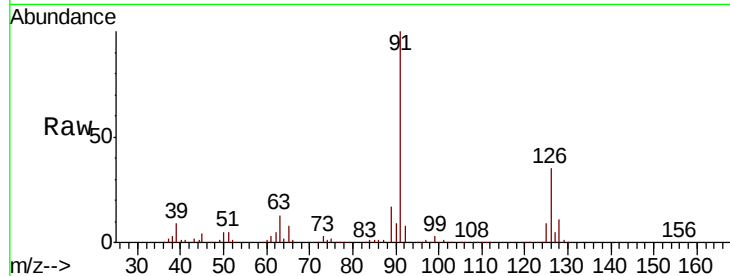
#79
2-Chlorotoluene
Concen: 46.845 ug/l
RT: 12.72 min Scan# 1137
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2086735
Ion Ratio Lower Upper
91 100
126 35.4 16.8 50.3

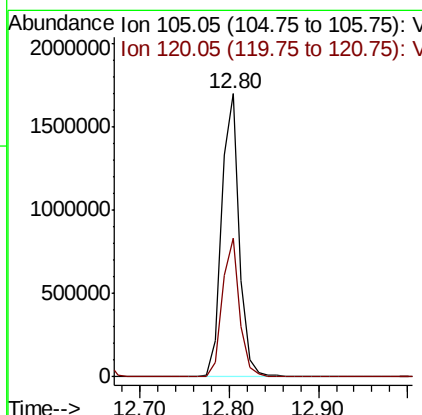
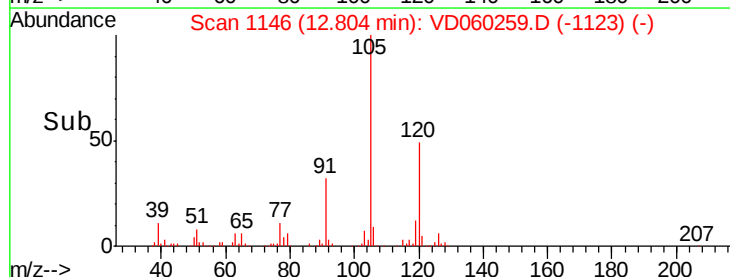
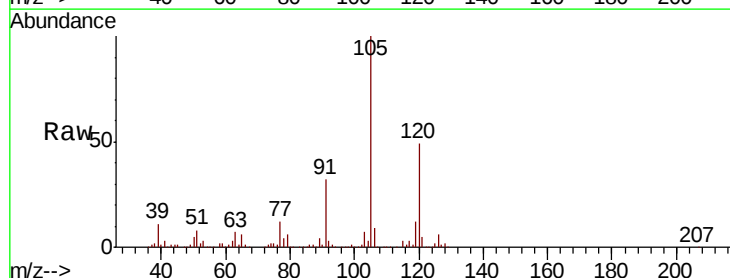
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#80
1,3,5-Trimethylbenzene
Concen: 46.909 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion: 105 Resp: 2346728
Ion Ratio Lower Upper
105 100
120 49.2 23.7 71.1





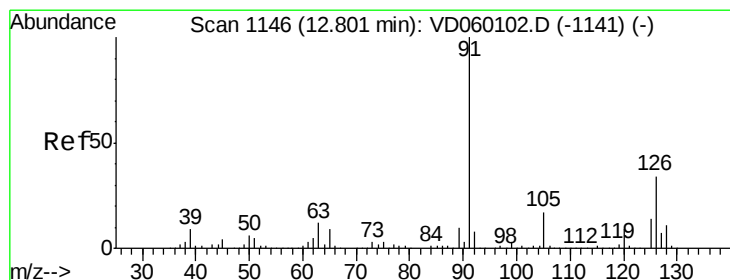
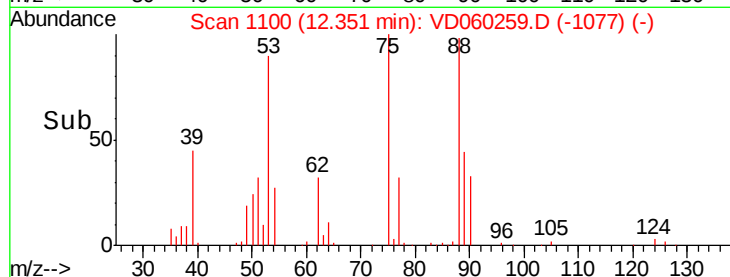
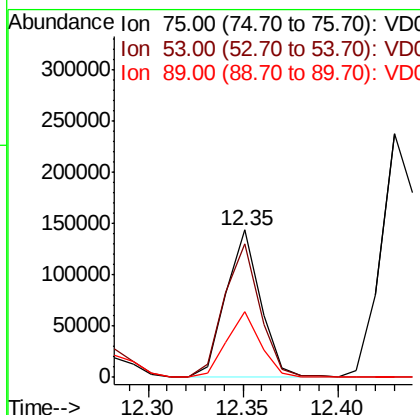
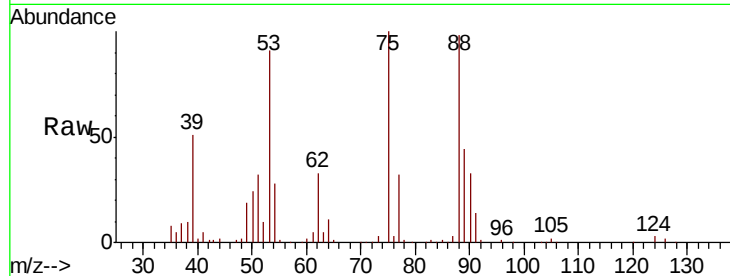
#81
trans-1,4-Dichloro-2-butene
Concen: 45.474 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 180292
Ion Ratio Lower Upper
75 100
53 90.7 73.0 109.6
89 44.2 32.0 48.0

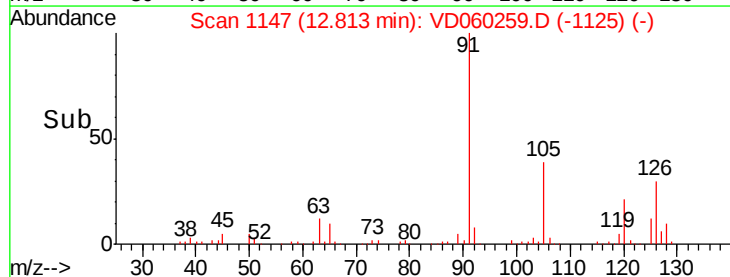
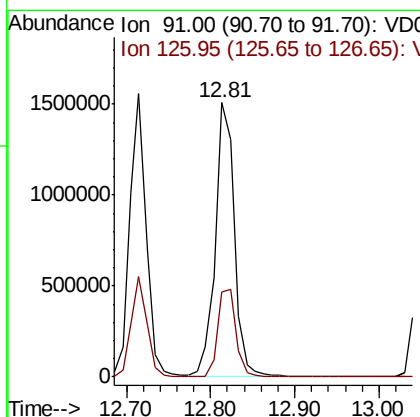
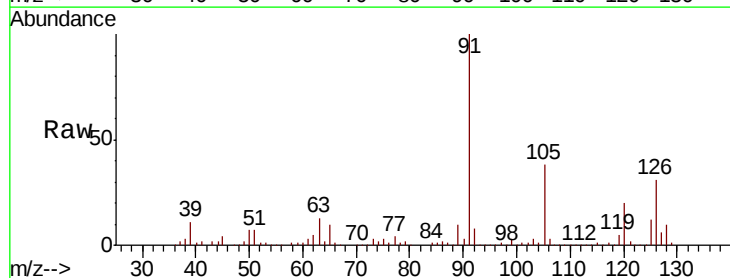
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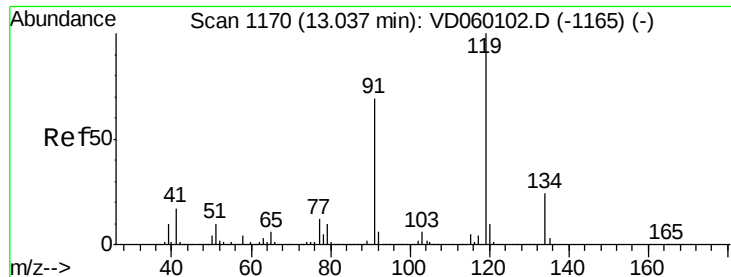
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#82
4-Chlorotoluene
Concen: 46.714 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion: 91 Resp: 2353640
Ion Ratio Lower Upper
91 100
126 31.2 17.1 51.2





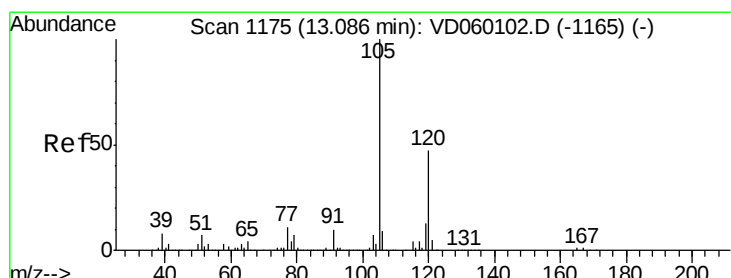
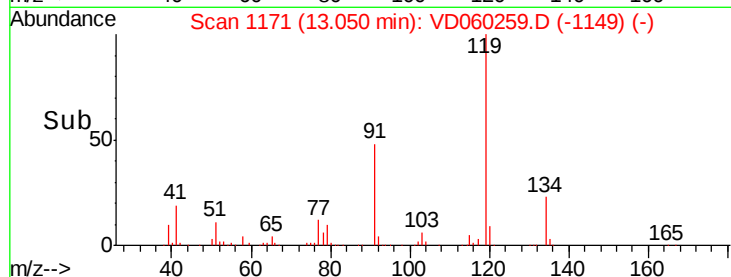
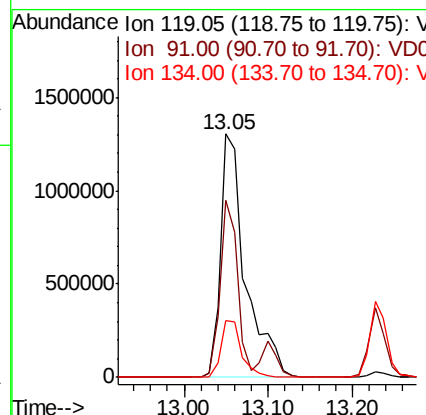
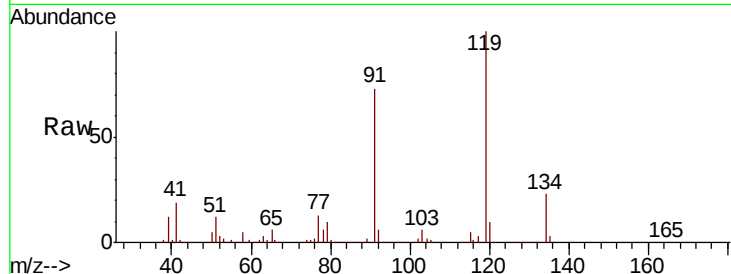
#83
tert-Butylbenzene
Concen: 46.770 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2684976
Ion Ratio Lower Upper
119 100
91 72.9 34.8 104.4
134 23.2 11.8 35.4

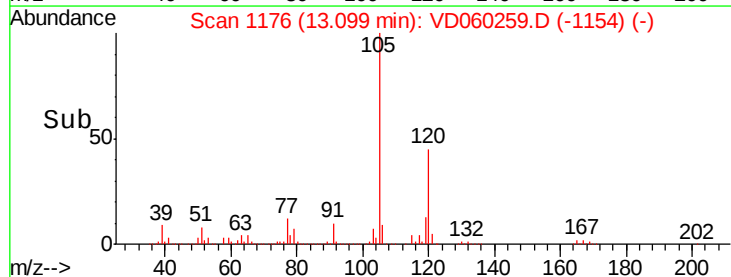
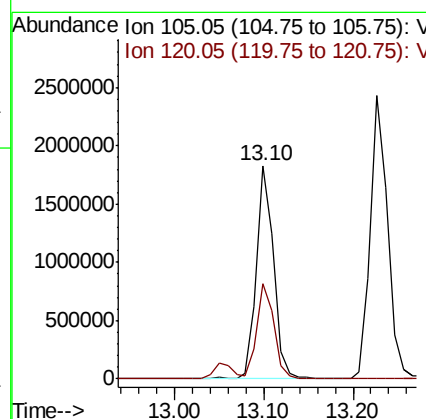
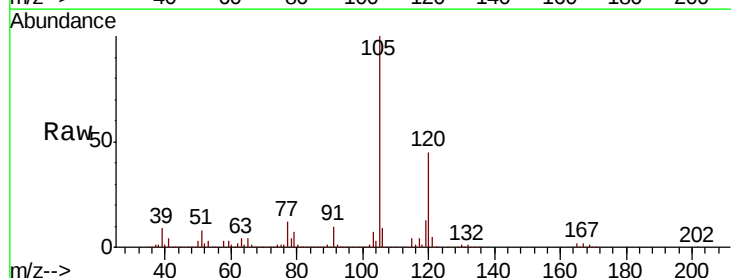
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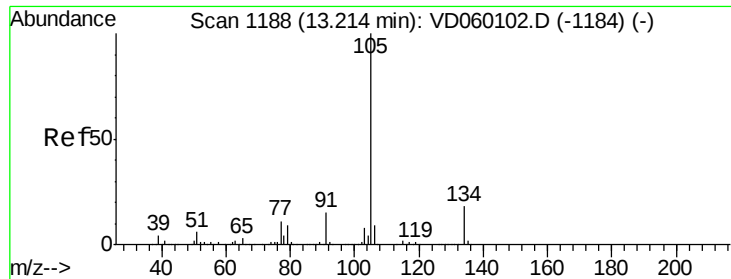
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#84
1,2,4-Trimethylbenzene
Concen: 45.703 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion:105 Resp: 2409708
Ion Ratio Lower Upper
105 100
120 44.7 23.4 70.0





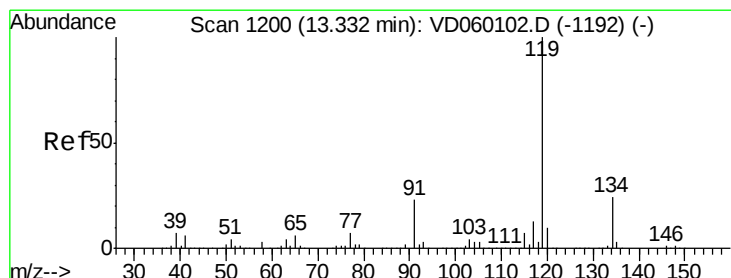
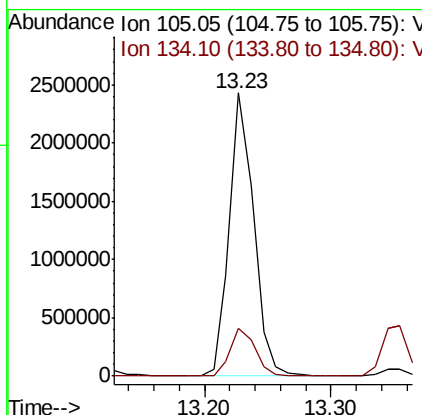
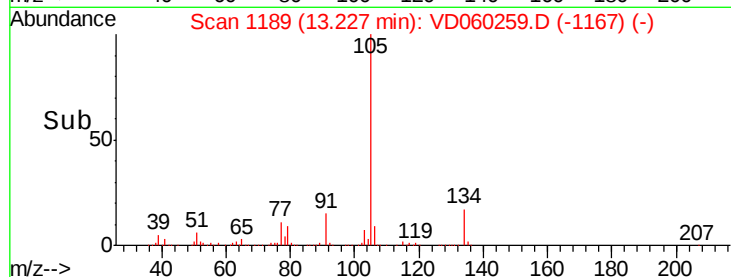
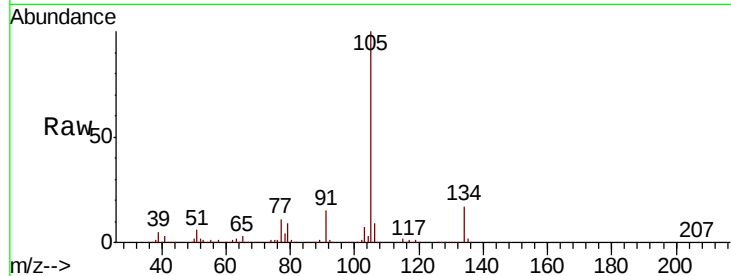
#85
 sec-Butylbenzene
 Concen: 47.754 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 3241412
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.8 26.2

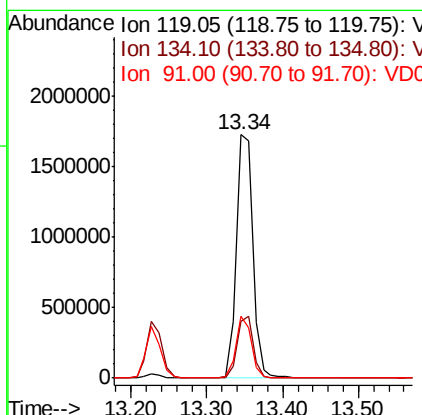
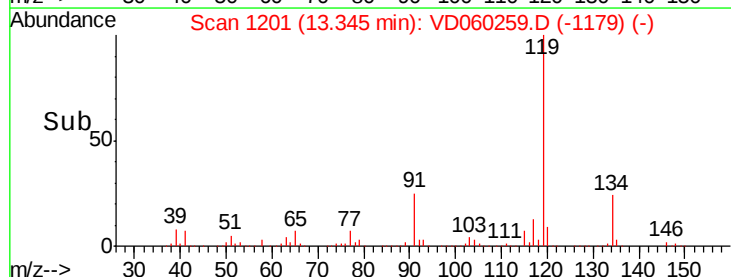
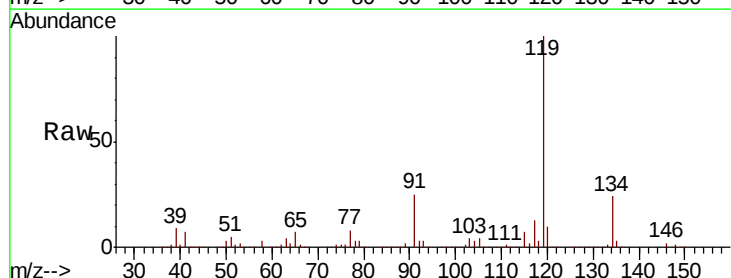
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#86
 p-Isopropyltoluene
 Concen: 46.077 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion:119 Resp: 2565268
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.3 36.8
 91 25.2 11.8 35.4





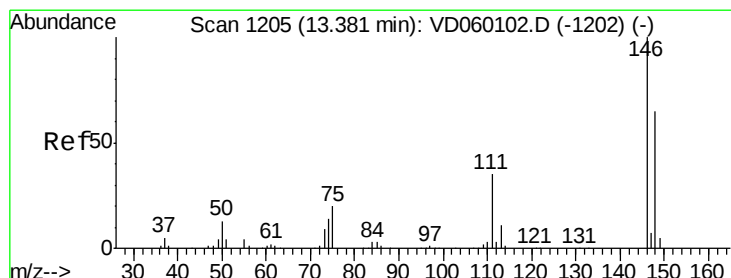
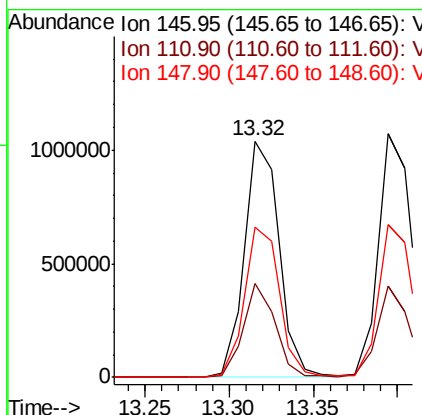
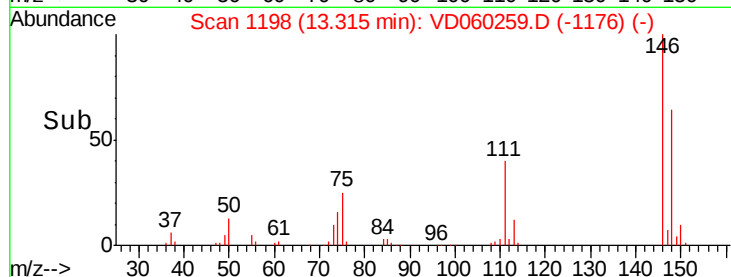
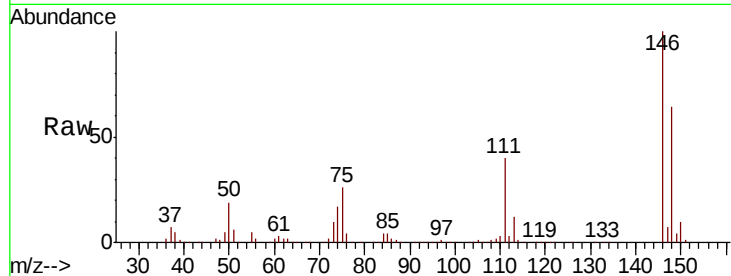
#87
 1,3-Dichlorobenzene
 Concen: 45.514 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.1	54.3
148	63.6	32.3	96.9

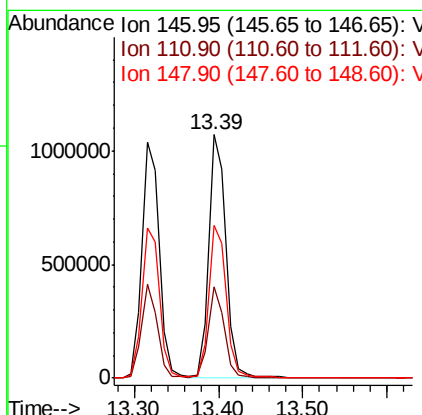
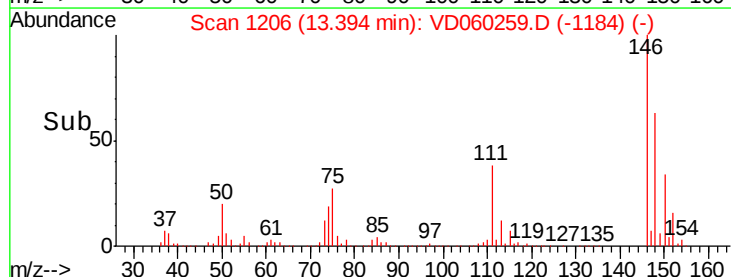
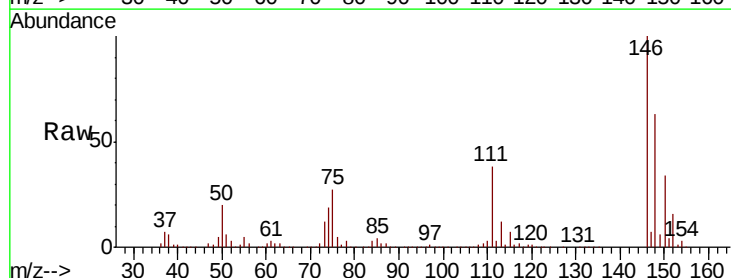
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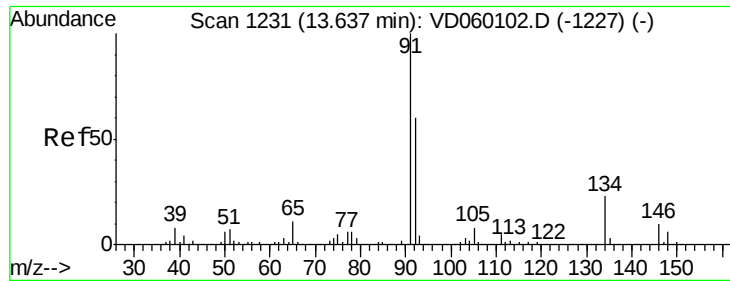
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#88
 1,4-Dichlorobenzene
 Concen: 45.981 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	17.8	53.3
148	62.6	32.4	97.2





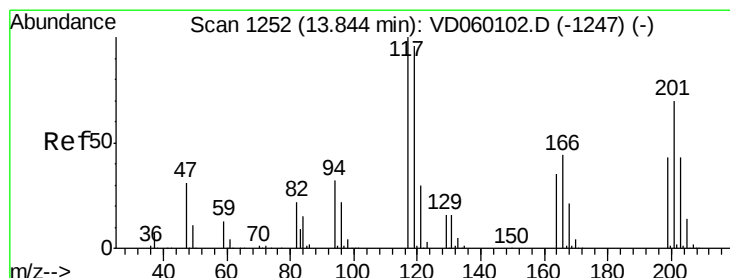
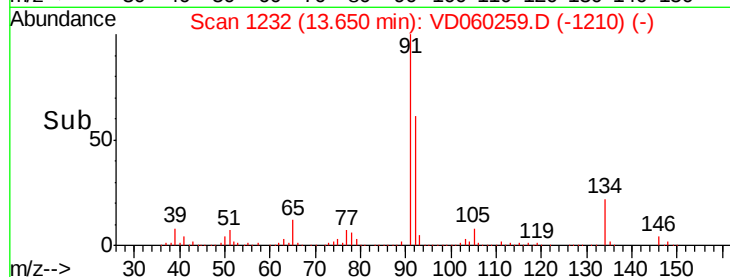
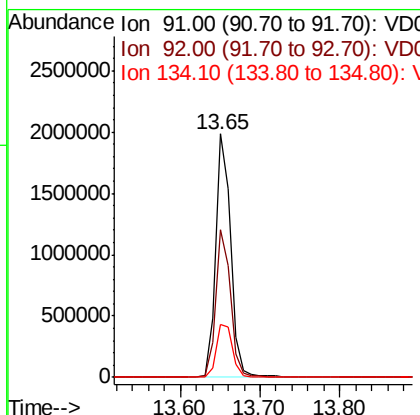
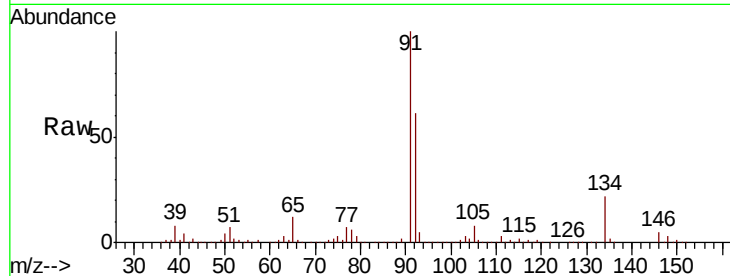
#89
n-Butylbenzene
Concen: 48.722 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2646753
Ion Ratio Lower Upper
91 100
92 60.5 30.1 90.3
134 21.9 11.6 34.7

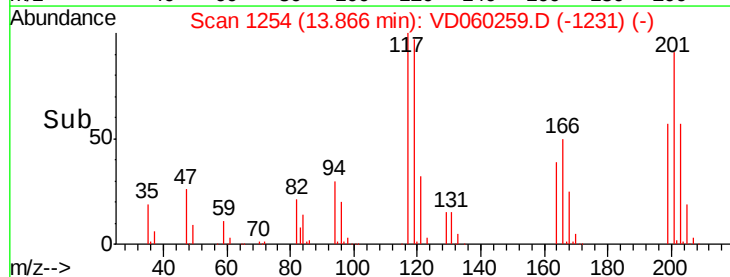
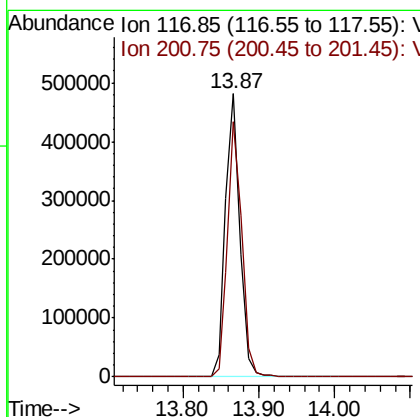
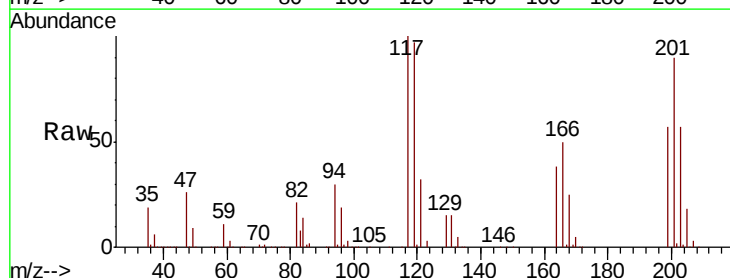
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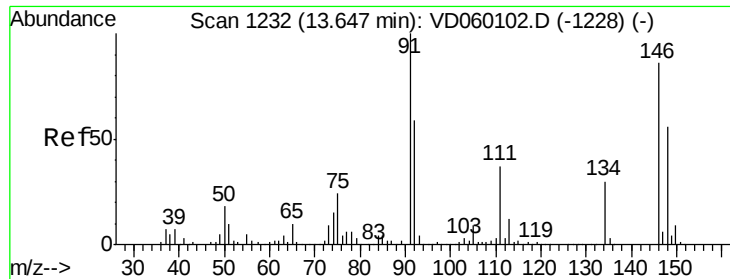
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#90
Hexachloroethane
Concen: 49.678 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion: 117 Resp: 640093
Ion Ratio Lower Upper
117 100
201 90.0 34.8 104.5





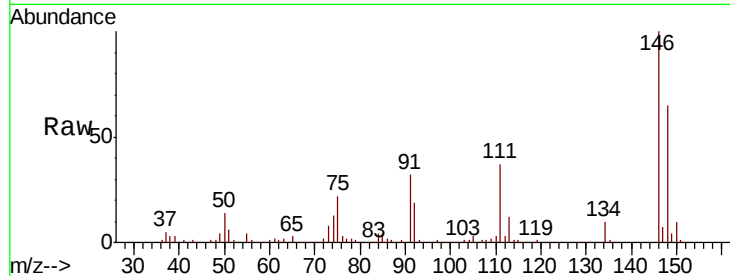
#91
 1,2-Dichlorobenzene
 Concen: 47.334 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCCC050

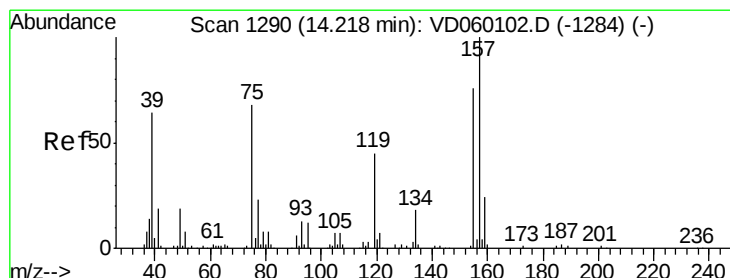
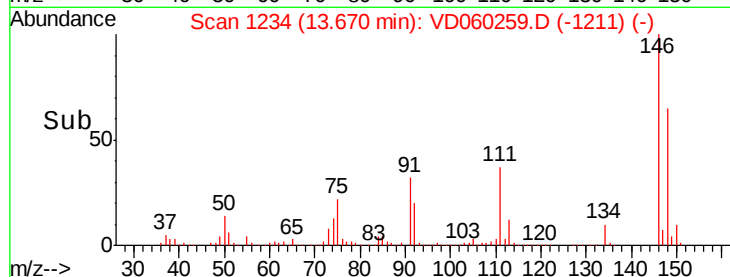
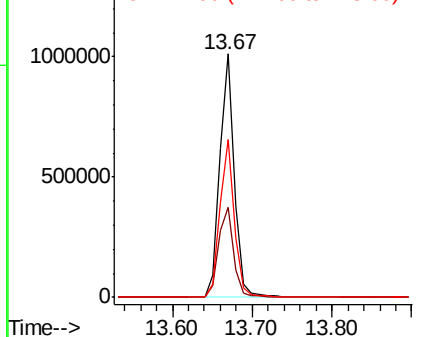
Tot Ion:146 Resp: 1302479
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.4 64.3
 148 65.1 32.2 96.6

Manual Integrations
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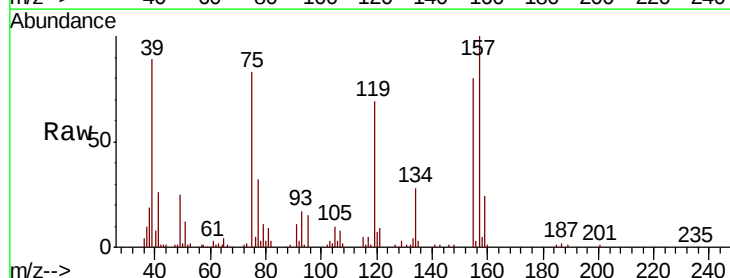


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

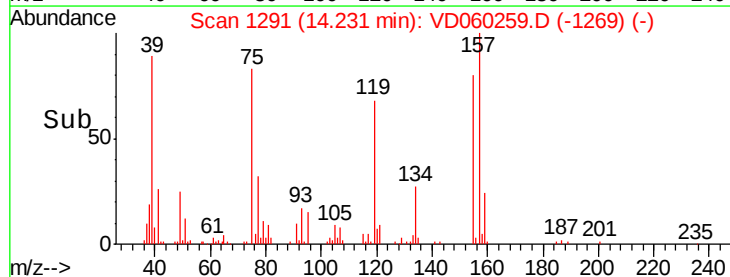
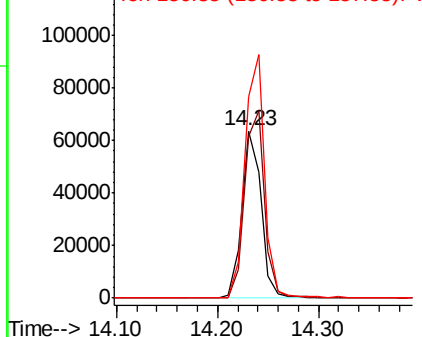


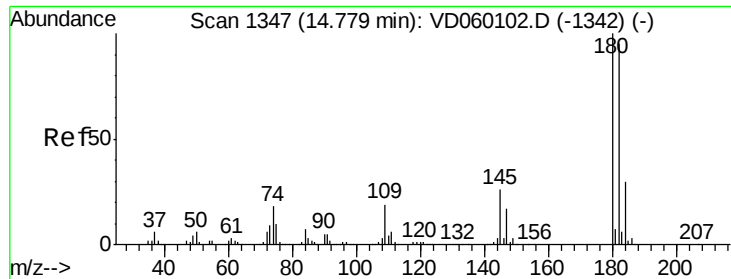
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.326 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060259.D
 Acq: 1 Nov 2018 13:21

Tgt Ion: 75 Resp: 85402
 Ion Ratio Lower Upper
 75 100
 155 96.6 55.9 167.7
 157 120.2 73.3 219.8



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





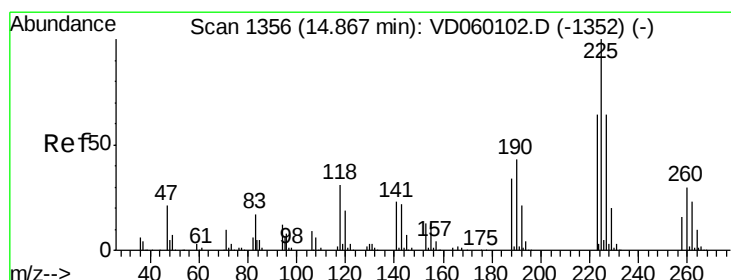
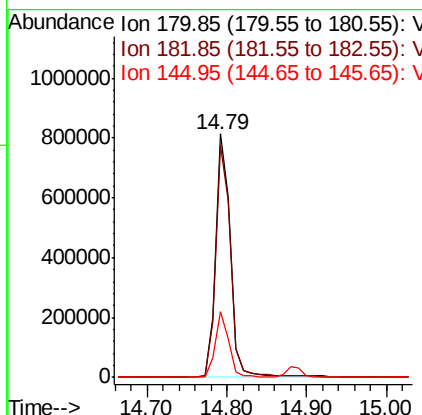
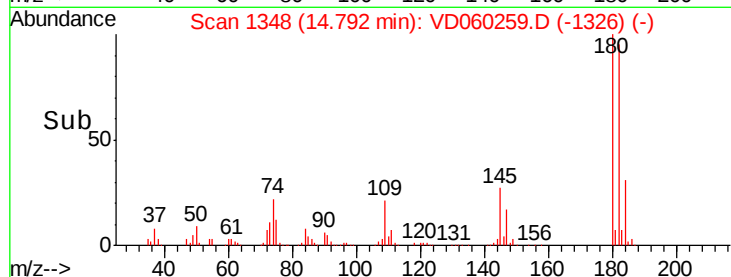
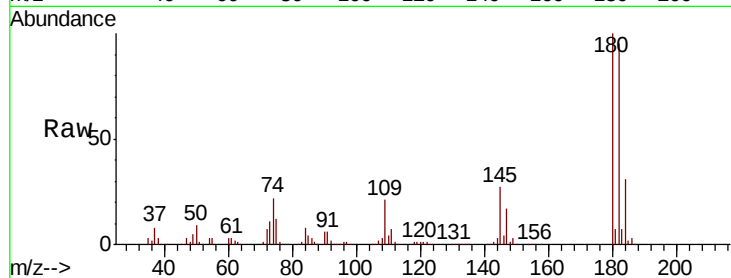
#93
1,2,4-Trichlorobenzene
Concen: 45.867 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	27.1	13.0	38.9

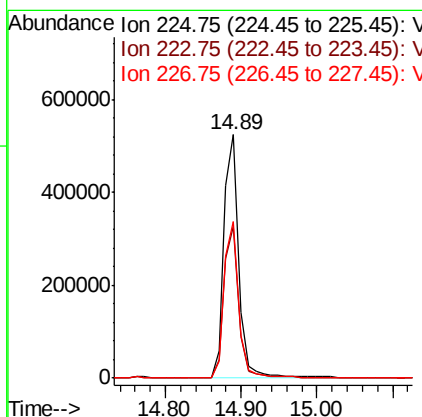
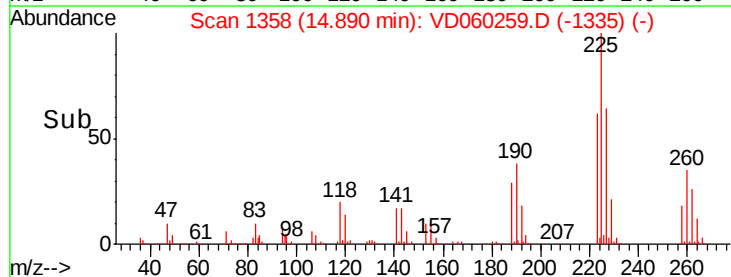
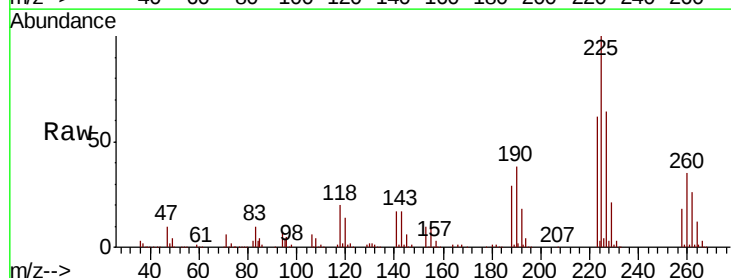
Manual Integrations
APPROVED

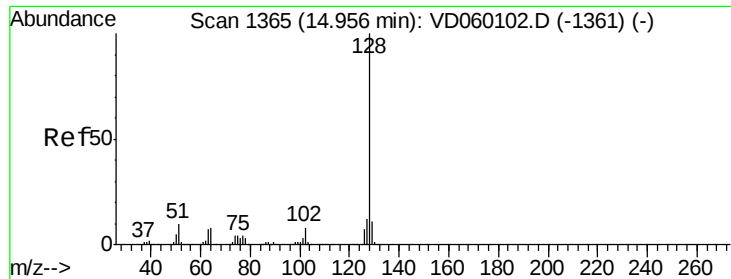
apatel
11/5/2018 1:21:08 PM



#94
Hexachlorobutadiene
Concen: 46.723 ug/l
RT: 14.89 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.8	95.4
227	64.5	32.0	96.0





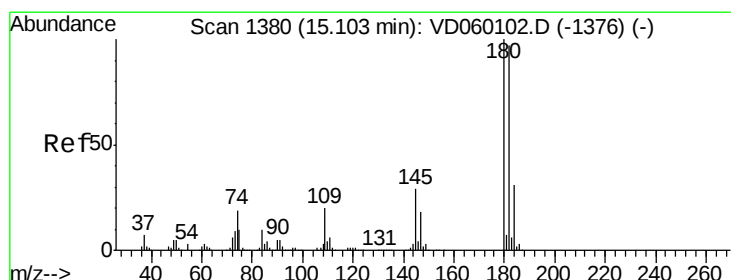
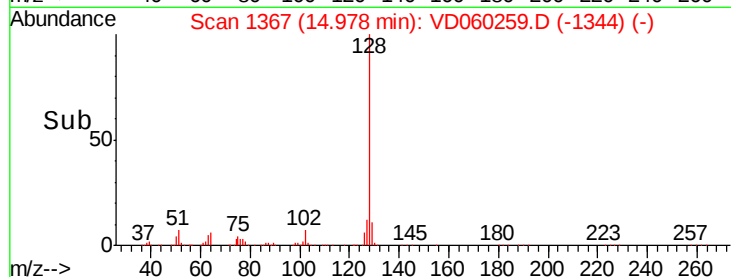
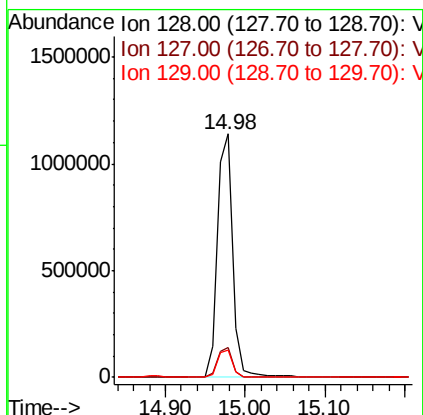
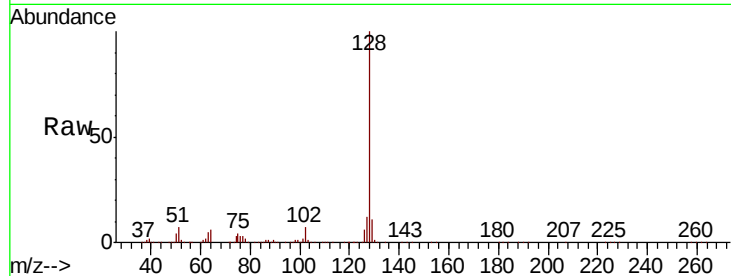
#95
Naphthalene
Concen: 45.085 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
11/5/2018 1:21:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.684 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060259.D
Acq: 1 Nov 2018 13:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.0
145	30.2	14.5	43.6

