

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060197.D
 Acq On : 25 Oct 2018 16:14
 Operator : JC/SY
 Sample : VD1025SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:50:57 AM

Quant Time: Oct 26 03:57:12 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	6.40	168	1631759	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2314919	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1864011	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1008031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	652022	52.71	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.42%	
35) Dibromofluoromethane	6.33	113	918805	52.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.45	98	2537497	50.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.43	95	986435	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.59	85	298560	19.451	ug/l	96
3) Chloromethane	1.76	50	325137	23.491	ug/l	96
4) Vinyl Chloride	1.86	62	262480	23.173	ug/l	97
5) Bromomethane	2.14	94	28063	19.731	ug/l	93
6) Chloroethane	2.25	64	55565	17.976	ug/l	97
7) Trichlorofluoromethane	2.51	101	287976	21.233	ug/l	99
8) Diethyl Ether	2.83	74	69249	24.830	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	212952	25.203	ug/l	98
10) Methyl Iodide	3.24	142	184901	20.636	ug/l	96
11) Tert butyl alcohol	3.97	59	84677	95.455	ug/l	100
12) 1,1-Dichloroethene	3.07	96	167009	25.090	ug/l	93
13) Acrolein	2.99	56	43570	79.676	ug/l	98
14) Allyl chloride	3.54	41	338441	24.481	ug/l	100
15) Acrylonitrile	4.08	53	410337	111.755	ug/l	98
16) Acetone	3.16	43	340057	151.514	ug/l	97
17) Carbon Disulfide	3.31	76	512719	22.905	ug/l	100
18) Methyl Acetate	3.56	43	114628	23.762	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	654297	22.357	ug/l	100
20) Methylene Chloride	3.72	84	380391	18.853	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	375973	21.870	ug/l	97
22) Diisopropyl ether	4.86	45	1409158	22.824	ug/l	96
23) Vinyl Acetate	4.80	43	4043062	116.500	ug/l	97
24) 1,1-Dichloroethane	4.76	63	644327	23.017	ug/l	100
25) 2-Butanone	5.62	43	697283	124.358	ug/l	96
26) 2,2-Dichloropropane	5.59	77	514612	24.249	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	405101	22.241	ug/l	93
28) Bromochloromethane	5.92	49	299343	22.005	ug/l	98
29) Tetrahydrofuran	5.95	42	366198	112.439	ug/l	98
30) Chloroform	6.10	83	651861	23.020	ug/l	99
31) Cyclohexane	6.36	56	568444	21.213	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	524265	22.598	ug/l	98
36) 1,1-Dichloropropene	6.52	75	476159	21.525	ug/l	97
37) Ethyl Acetate	5.70	43	322886	21.990	ug/l	97
38) Carbon Tetrachloride	6.49	117	443156	22.072	ug/l	95

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 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)
39) Methylcyclohexane	8.04	83	551487	21.942	ug/l	97
40) Benzene	6.80	78	1224990	21.167	ug/l	99
41) Methacrylonitrile	5.93	41	159880m	19.264	ug/l	
42) 1,2-Dichloroethane	6.90	62	368716	22.223	ug/l	99
43) Isopropyl Acetate	8.35	43	412198	21.338	ug/l	100
44) Trichloroethene	7.74	130	380584	21.244	ug/l	99
45) 1,2-Dichloropropane	8.11	63	335515	22.141	ug/l	99
46) Dibromomethane	8.21	93	207932	21.195	ug/l	93
47) Bromodichloromethane	8.49	83	480470	22.985	ug/l	99
48) Methyl methacrylate	8.24	41	243930	22.169	ug/l	98
49) 1,4-Dioxane	8.22	88	44123	407.547	ug/l	97
51) 4-Methyl-2-Pentanone	9.35	43	1359659	111.594	ug/l	98
52) Toluene	9.55	92	824875	22.131	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	423065	22.367	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	529085	22.652	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	265514	21.791	ug/l	99
56) Ethyl methacrylate	10.04	69	290663	21.610	ug/l	97
57) 1,3-Dichloropropane	10.38	76	405867	21.841	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	838523	112.268	ug/l	95
59) 2-Hexanone	10.49	43	1054130	120.317	ug/l	100
60) Dibromochloromethane	10.65	129	332384	22.233	ug/l	99
61) 1,2-Dibromoethane	10.76	107	274639	21.213	ug/l	100
64) Tetrachloroethene	10.25	164	342212	20.961	ug/l	99
65) Chlorobenzene	11.31	112	907865	22.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	308697	22.947	ug/l	98
67) Ethyl Benzene	11.43	91	1561808	23.905	ug/l	99
68) m/p-Xylenes	11.57	106	1143999	46.863	ug/l	97
69) o-Xylene	11.93	106	536907	22.236	ug/l	91
70) Styrene	11.95	104	911419	22.571	ug/l	97
71) Bromoform	12.12	173	227680	20.901	ug/l	97
73) Isopropylbenzene	12.28	105	1492791	22.447	ug/l	99
74) N-amyl acetate	12.13	43	524295	21.524	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	312534	21.527	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	311353	21.448	ug/l	97
77) Bromobenzene	12.54	156	420664	21.768	ug/l	88
78) n-propylbenzene	12.64	91	1860702	22.533	ug/l	96
79) 2-Chlorotoluene	12.70	91	1030891	22.494	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1175098	22.831	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	85533	20.969	ug/l	98
82) 4-Chlorotoluene	12.81	91	1201720	23.183	ug/l	97
83) tert-Butylbenzene	13.05	119	1356542	22.968	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	1233573	22.741	ug/l	98
85) sec-Butylbenzene	13.22	105	1574815	22.551	ug/l	98
86) p-Isopropyltoluene	13.34	119	1287762	22.482	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	750682	22.296	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	749876	22.173	ug/l	98
89) n-Butylbenzene	13.65	91	1386931	24.815	ug/l	98
90) Hexachloroethane	13.86	117	301395	22.736	ug/l	62
91) 1,2-Dichlorobenzene	13.66	146	660416	23.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	41675	21.499	ug/l	93

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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	517134	21.521	ug/l	99
94) Hexachlorobutadiene	14.88	225	342454	21.440	ug/l	99
95) Naphthalene	14.97	128	710264	19.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	426618	20.409	ug/l	99

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

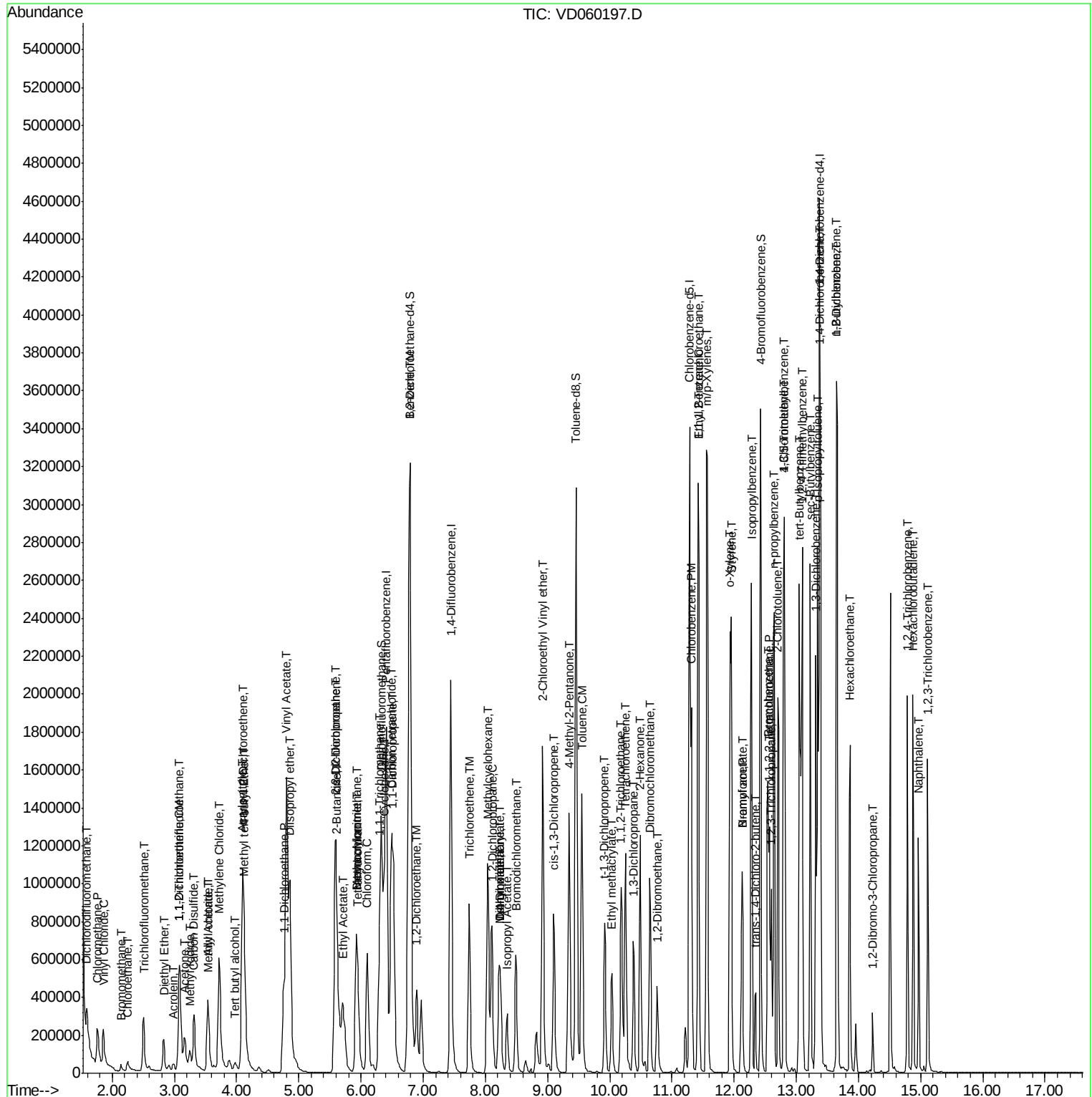
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Data File : VD060197.D
Acq On : 25 Oct 2018 16:14
Operator : JC/SY
Sample : VD1025SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

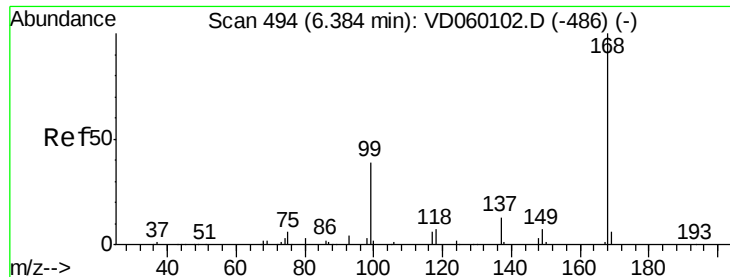
Instrument :
MSVOA_D
ClientSampleId :
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#1

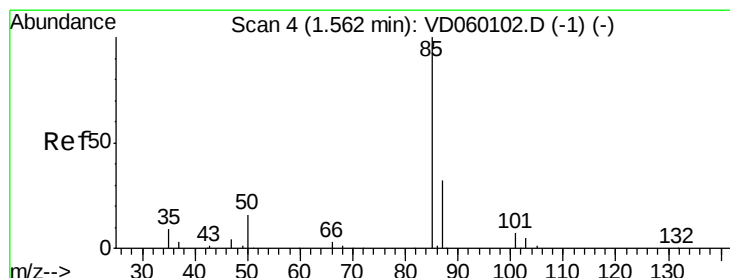
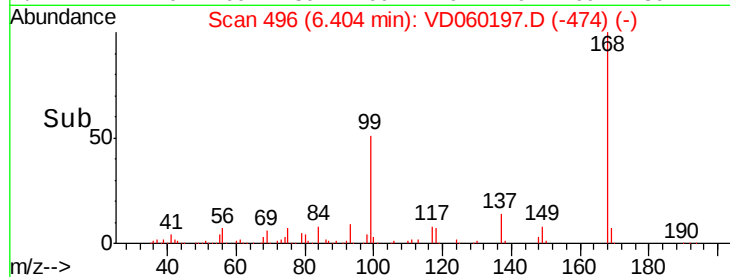
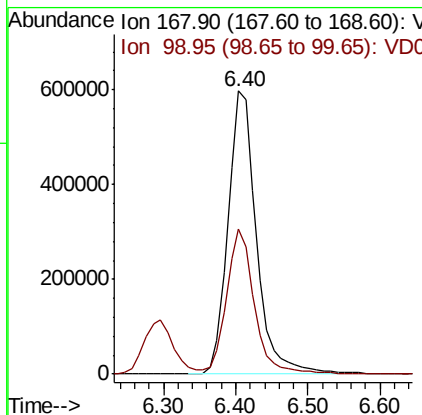
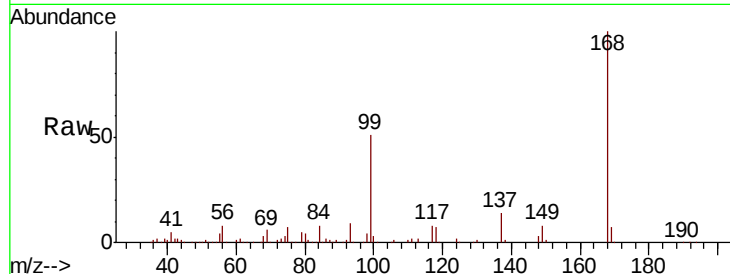
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion:168 Resp: 1631759
 Ion Ratio Lower Upper
 168 100
 99 51.3 35.4 53.0

Manual Integrations
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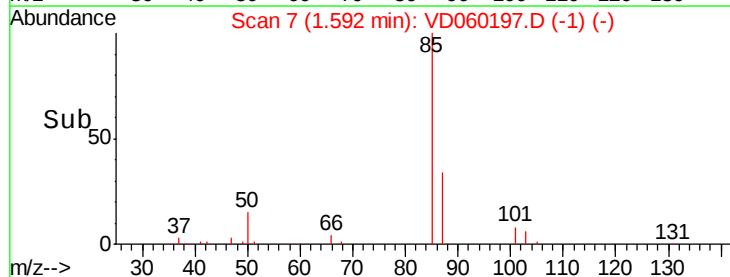
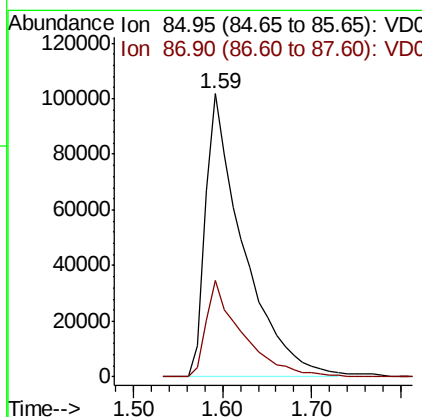
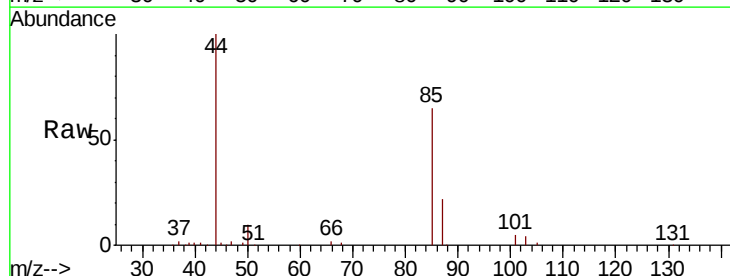
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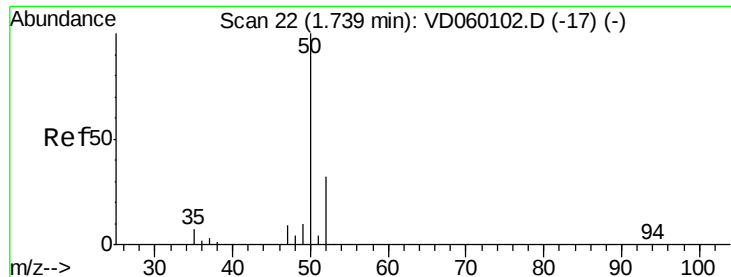


#2

Dichlorodifluoromethane
 Concen: 19.451 ug/l
 RT: 1.59 min Scan# 7
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 85 Resp: 298560
 Ion Ratio Lower Upper
 85 100
 87 34.1 15.9 47.6





#3

Chloromethane

Concen: 23.491 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 50 Resp: 325137

Ion Ratio Lower Upper

50 100

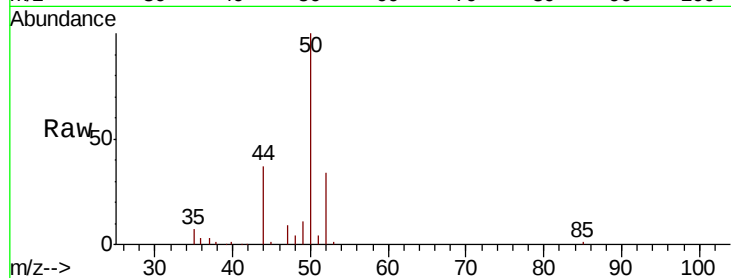
52 33.8 25.3 37.9

Manual Integrations

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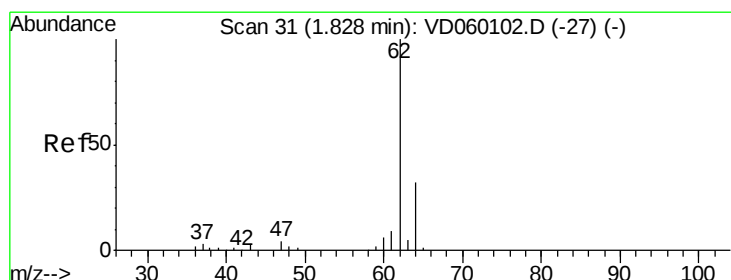
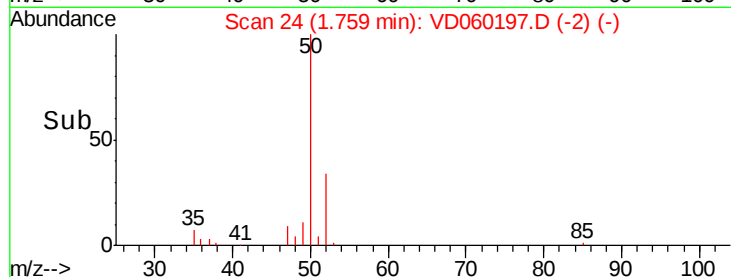
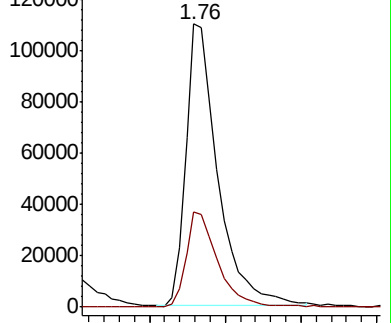
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.173 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060197.D

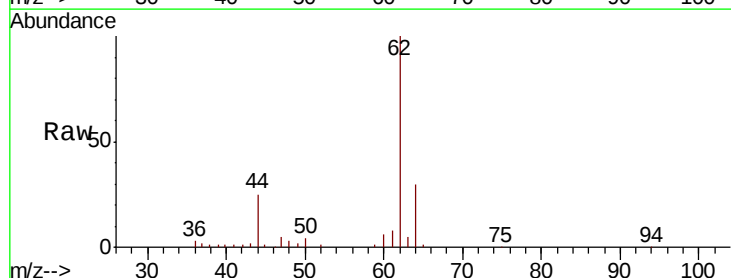
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Tgt Ion: 62 Resp: 262480

Ion Ratio Lower Upper

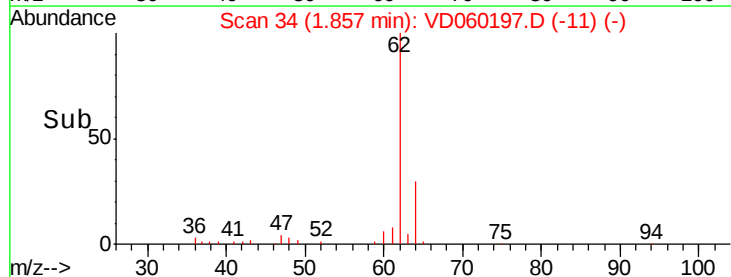
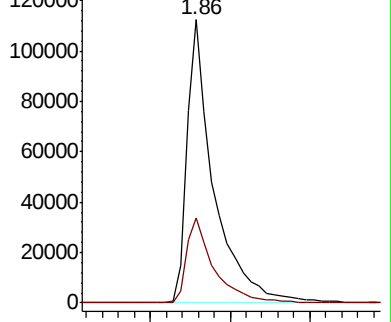
62 100

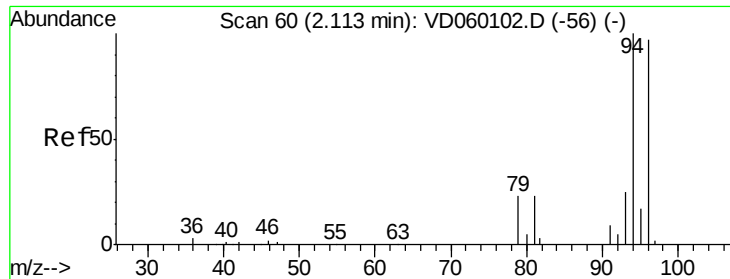
64 29.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.731 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 94 Resp: 28063

Ion Ratio Lower Upper

94 100

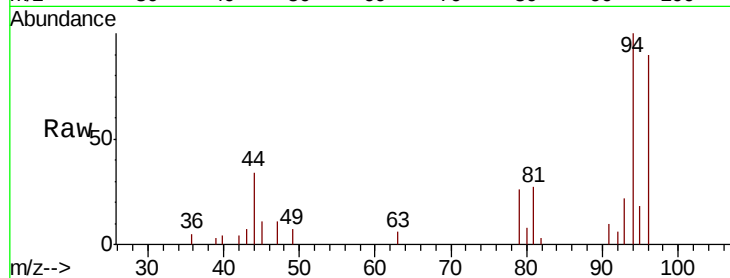
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Manual Integrations

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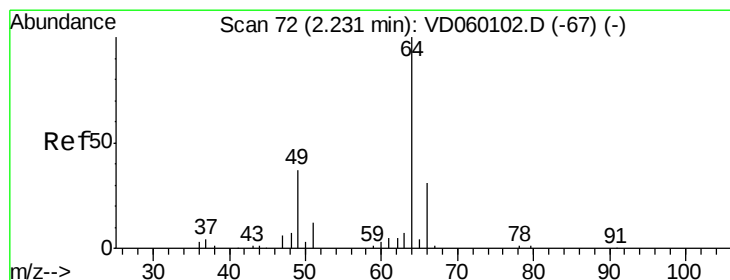
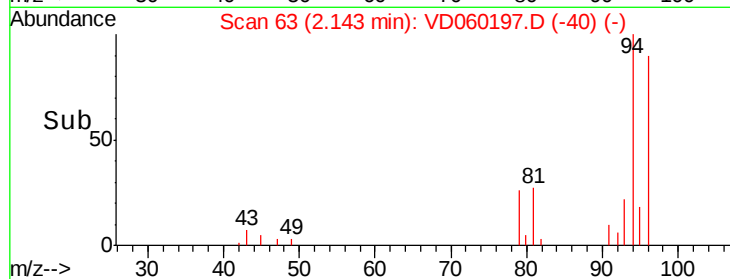
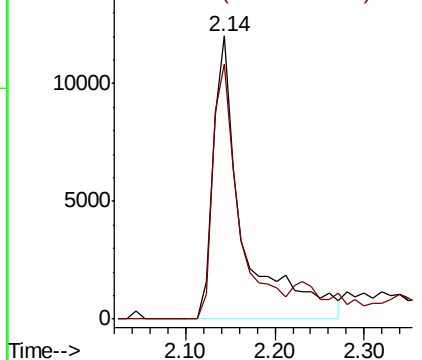
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.976 ug/l

RT: 2.25 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060197.D

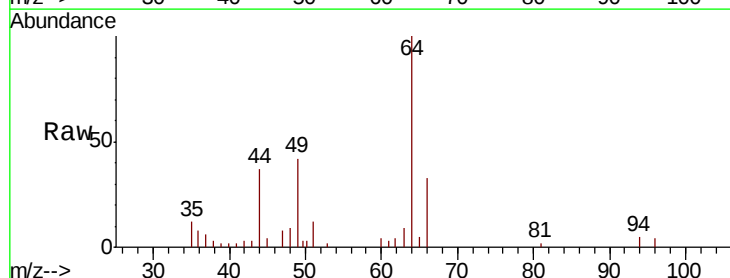
Acq: 25 Oct 2018 16:14

Tgt Ion: 64 Resp: 55565

Ion Ratio Lower Upper

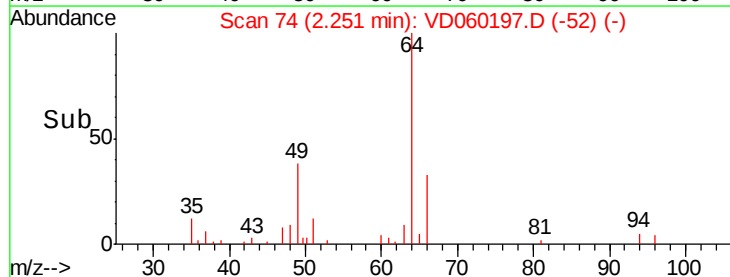
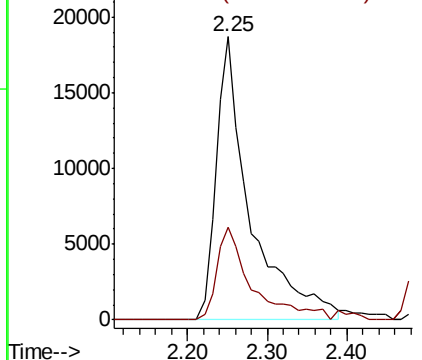
64 100

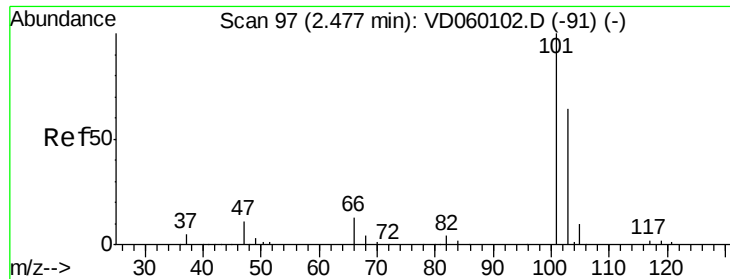
66 32.6 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

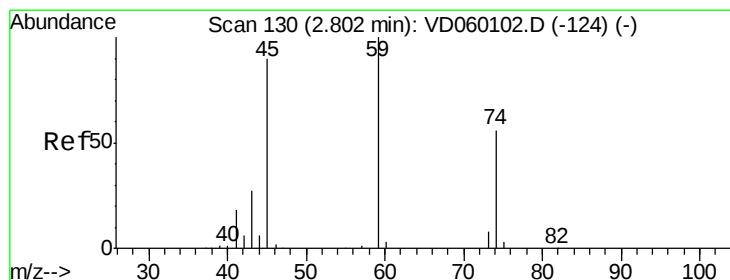
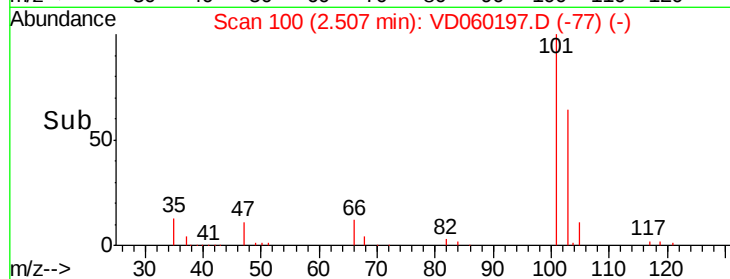
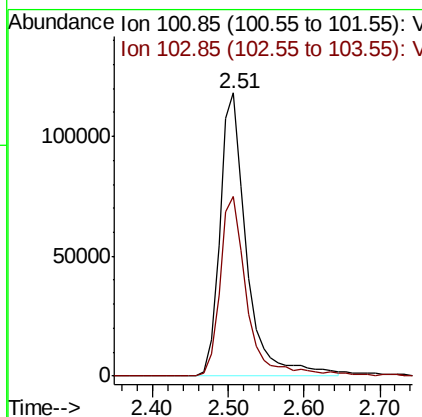
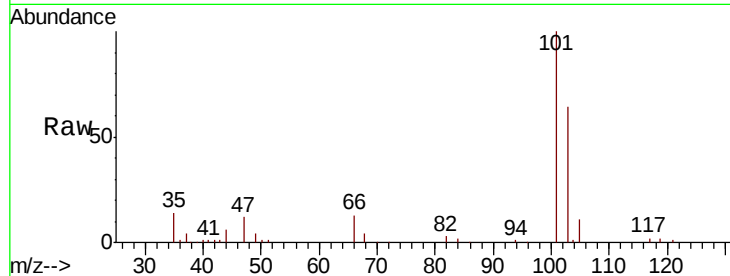
Trichlorofluoromethane
 Concen: 21.233 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

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 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.5	77.3

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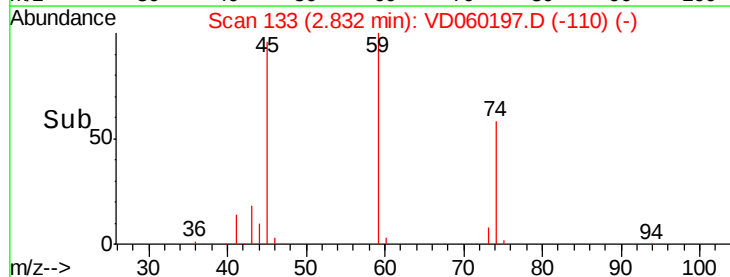
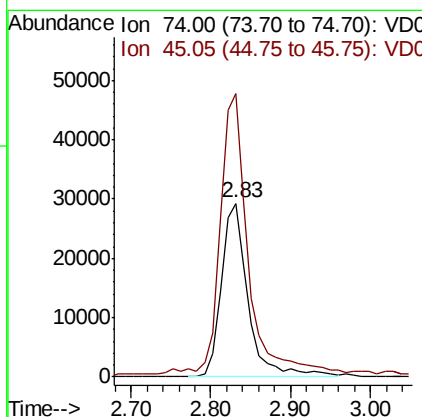
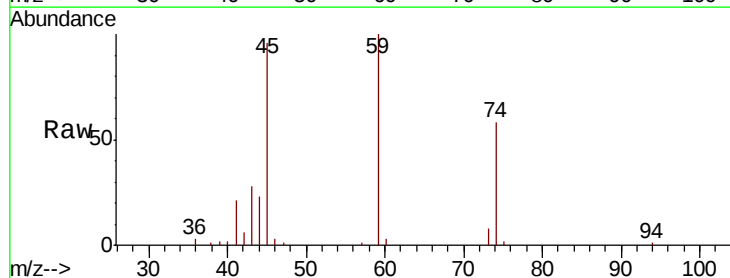
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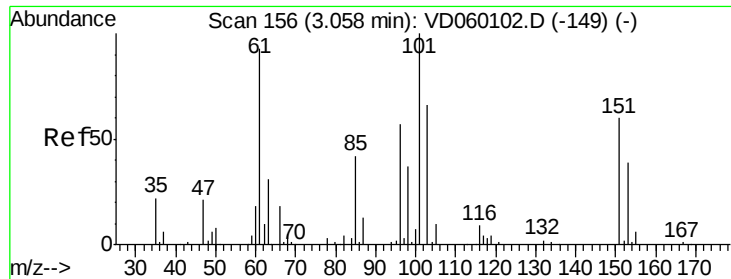


#8

Diethyl Ether
 Concen: 24.830 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	163.4	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.203 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

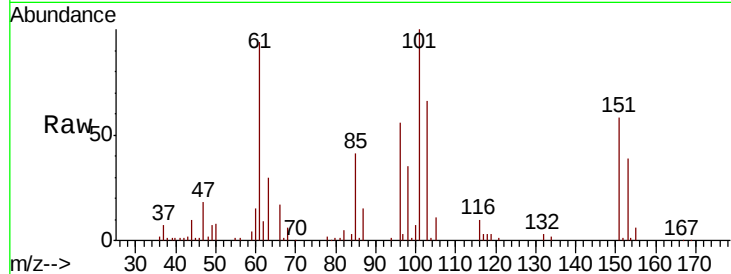
ClientSampleId :

VD1025SBS01

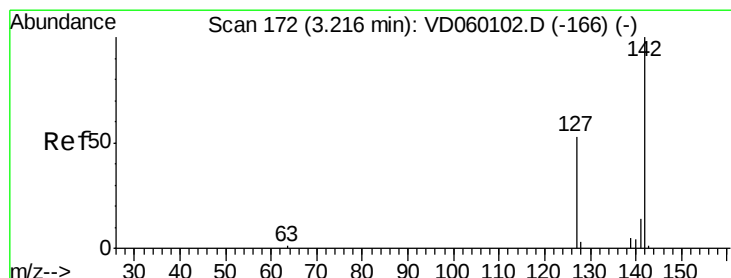
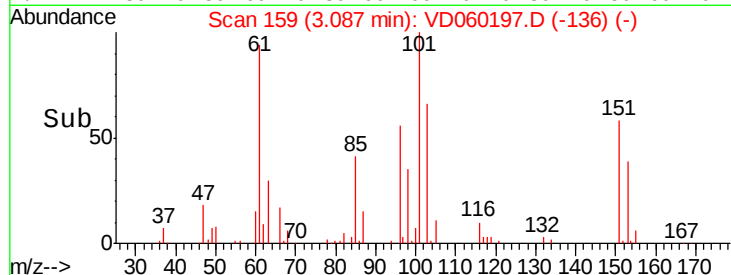
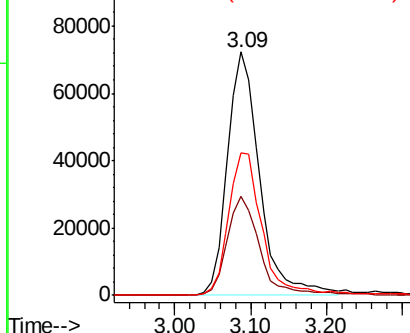
Tot Ion:	101	Resp:	212952
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.4	50.0
151	58.3	48.0	72.0

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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: 20.636 ug/l

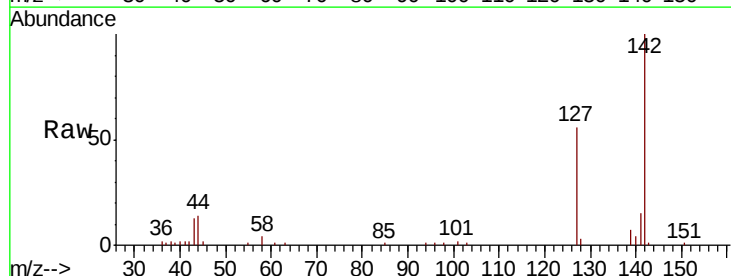
RT: 3.24 min Scan# 175

Delta R.T. 0.03 min

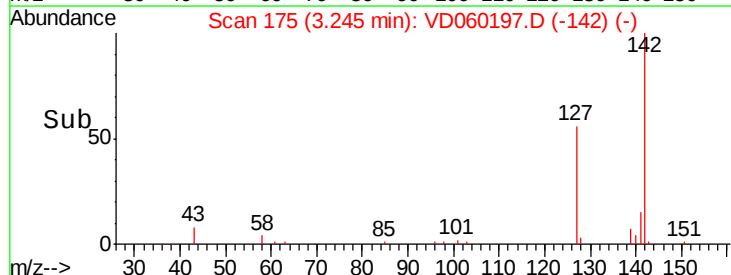
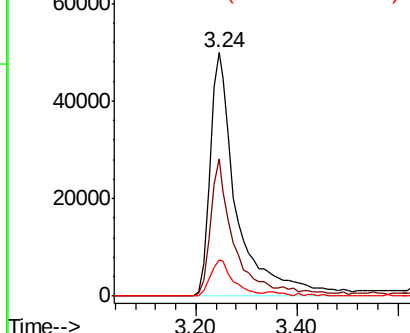
Lab File: VD060197.D

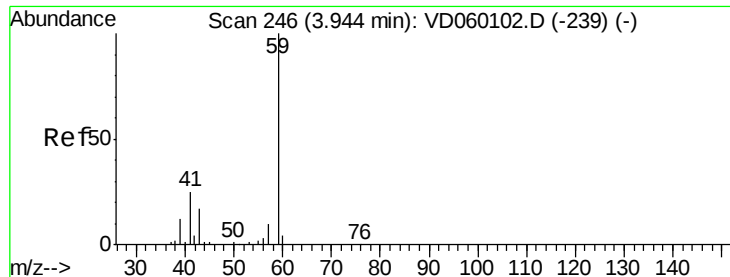
Acq: 25 Oct 2018 16:14

Tgt Ion:	142	Resp:	184901
Ion Ratio	Lower	Upper	
142	100		
127	56.2	42.0	63.0
141	14.7	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

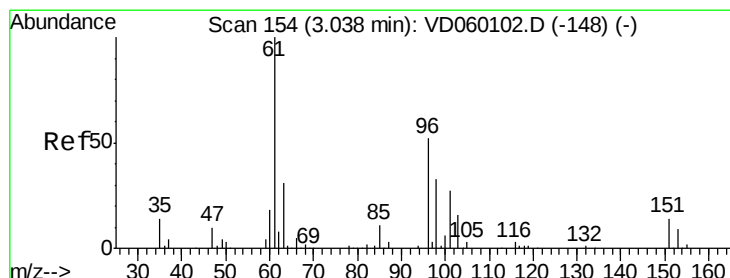
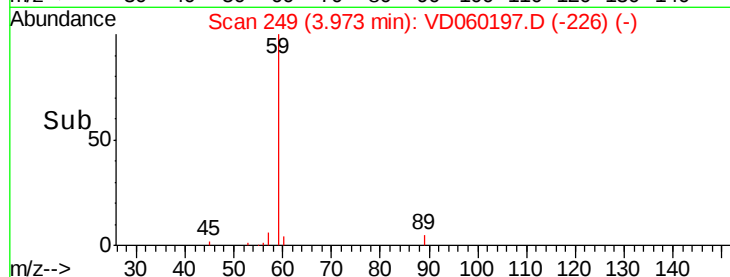
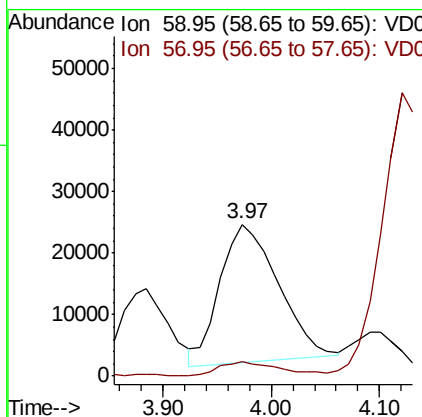
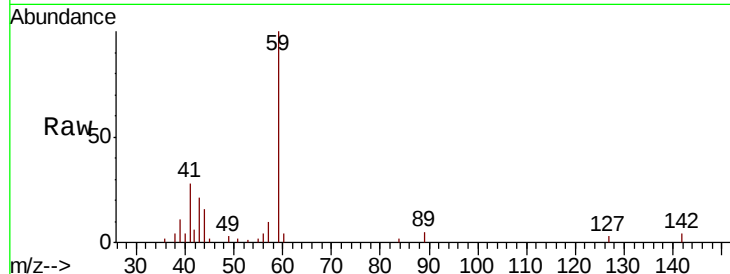
Tert butyl alcohol
 Concen: 95.455 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion: 59 Resp: 84677
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.6

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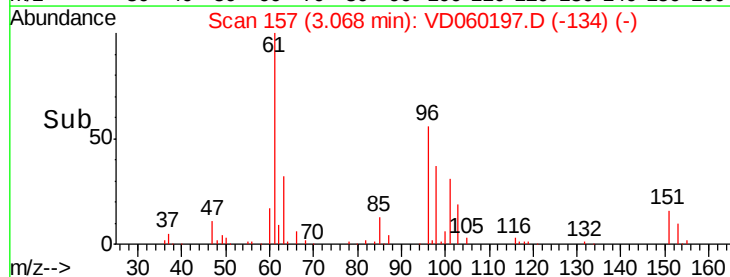
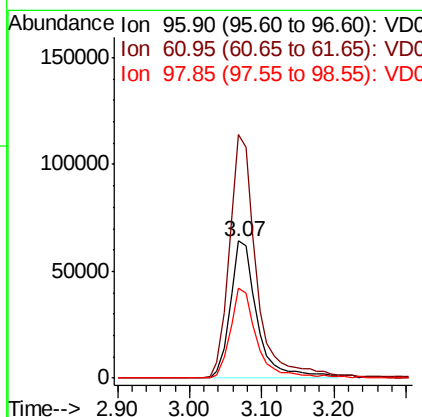
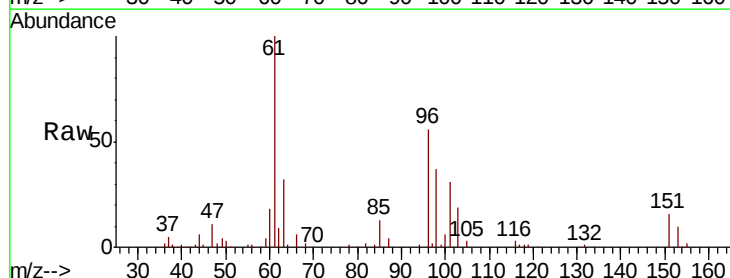
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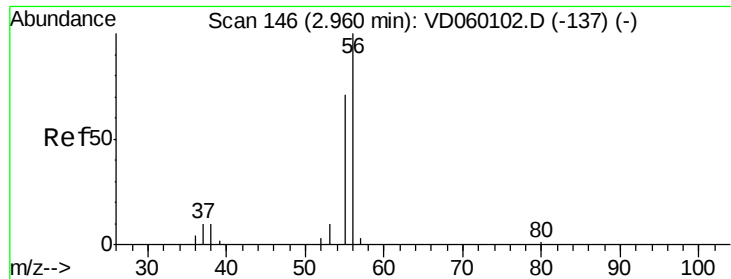


#12

1,1-Dichloroethene
 Concen: 25.090 ug/l
 RT: 3.07 min Scan# 157
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 96 Resp: 167009
 Ion Ratio Lower Upper
 96 100
 61 178.0 153.0 229.4
 98 65.8 51.1 76.7





#13

Acrolein

Concen: 79.676 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 56 Resp: 43570

Ion Ratio Lower Upper

56 100

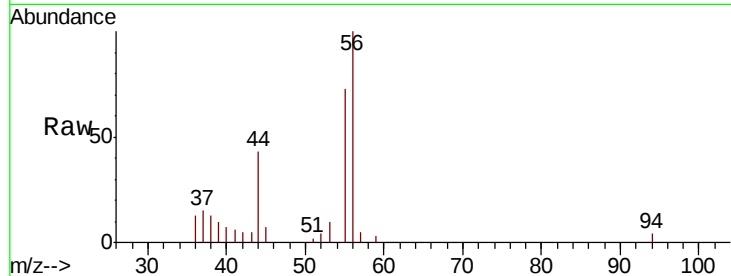
55 73.2 57.4 86.2

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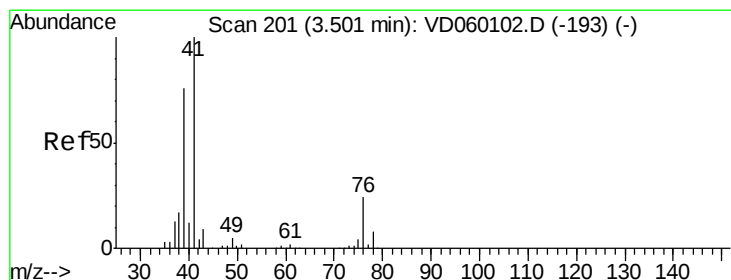
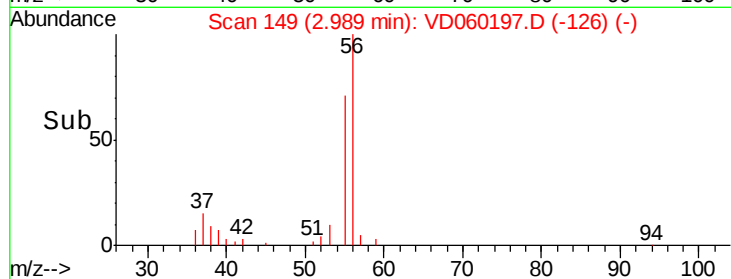
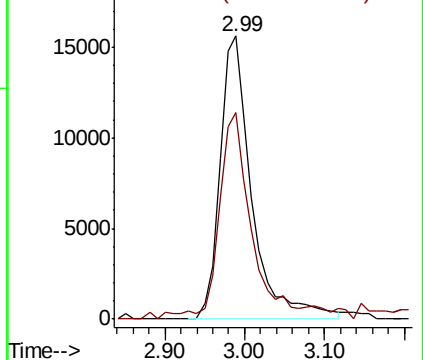
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.481 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

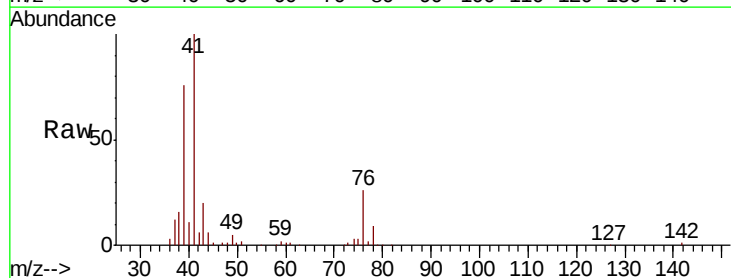
Tgt Ion: 41 Resp: 338441

Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

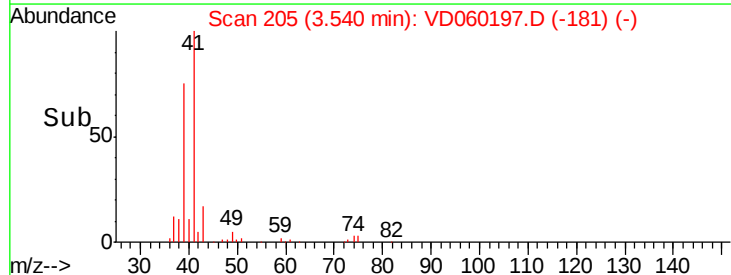
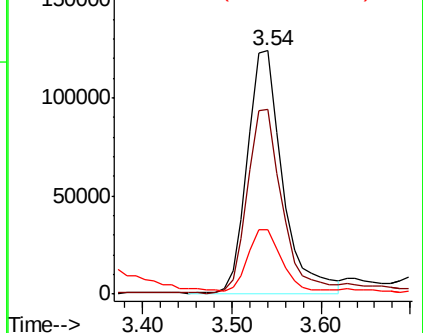
76 26.5 21.3 31.9

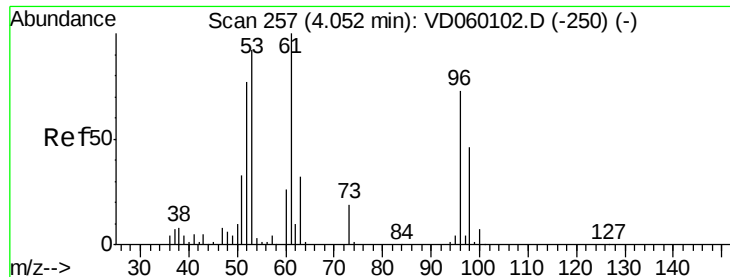


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.755 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 53 Resp: 410337

Ion Ratio Lower Upper

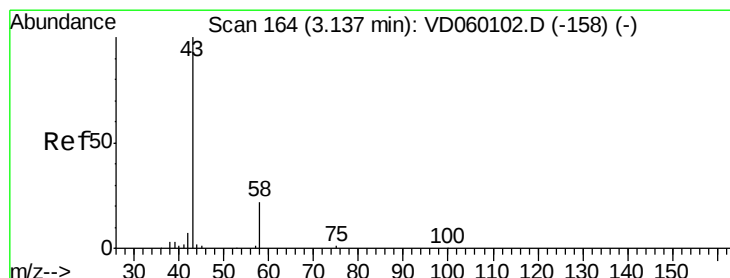
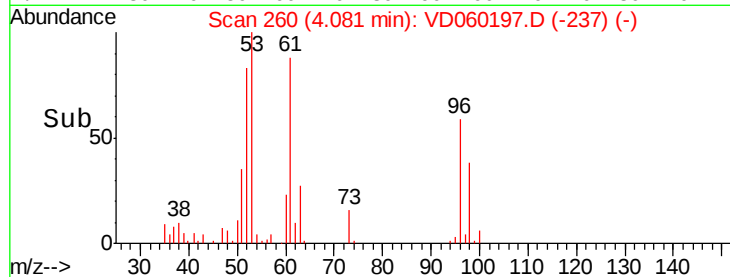
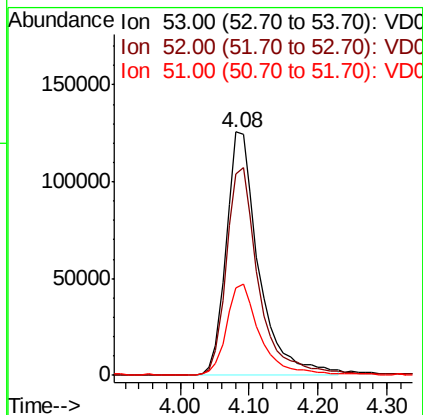
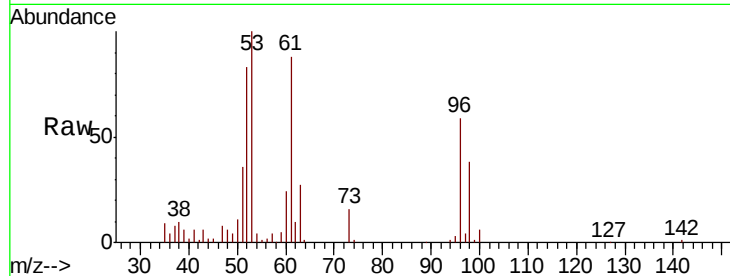
53 100

52 82.5 67.5 101.3

51 35.8 29.3 43.9

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#16

Acetone

Concen: 151.514 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060197.D

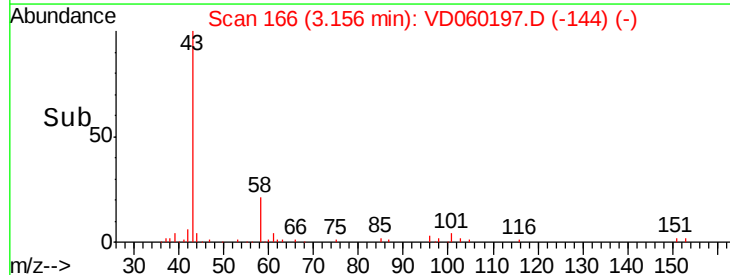
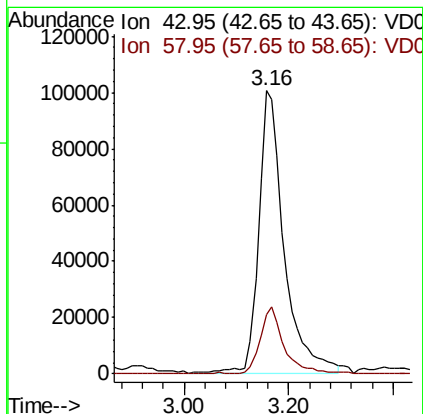
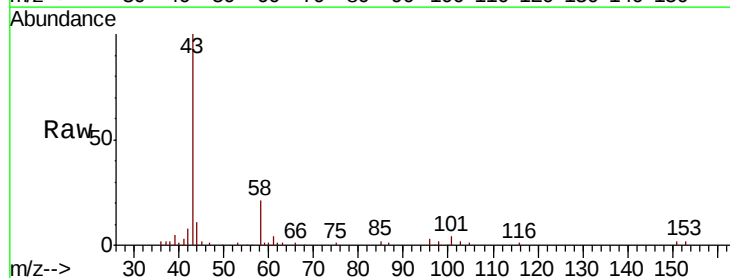
Acq: 25 Oct 2018 16:14

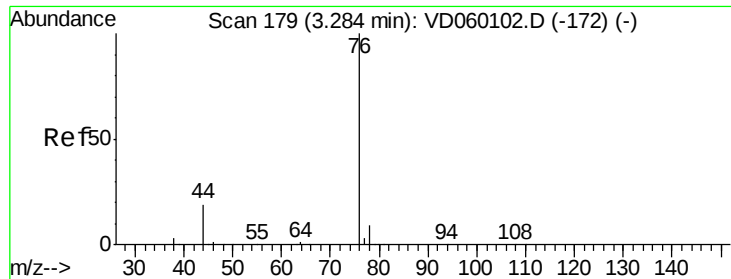
Tgt Ion: 43 Resp: 340057

Ion Ratio Lower Upper

43 100

58 20.9 17.7 26.5





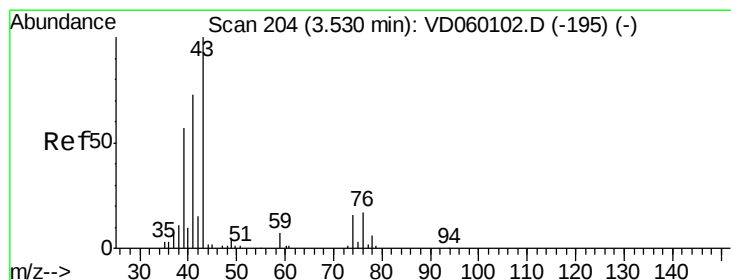
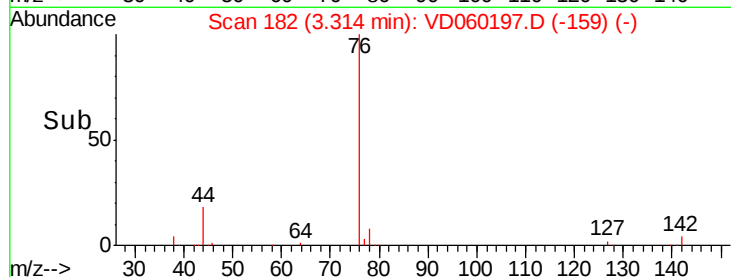
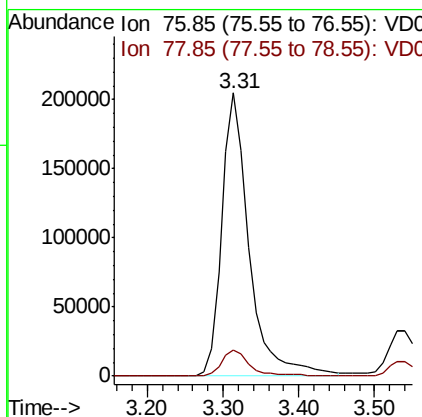
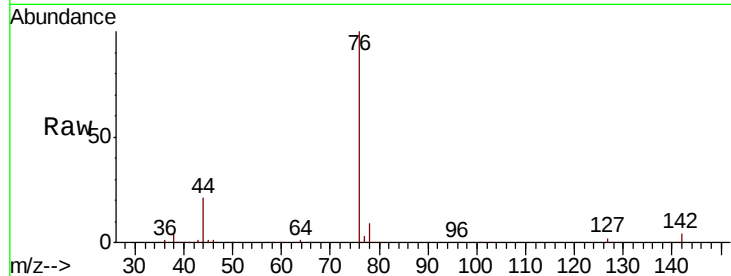
#17
Carbon Disulfide
Concen: 22.905 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

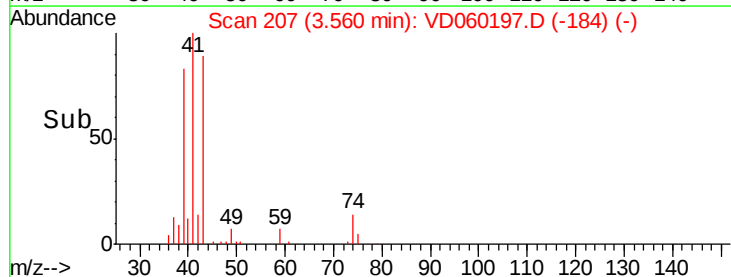
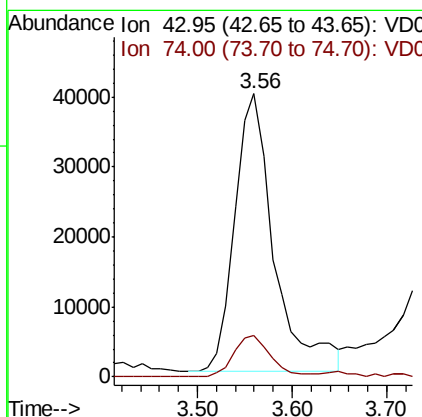
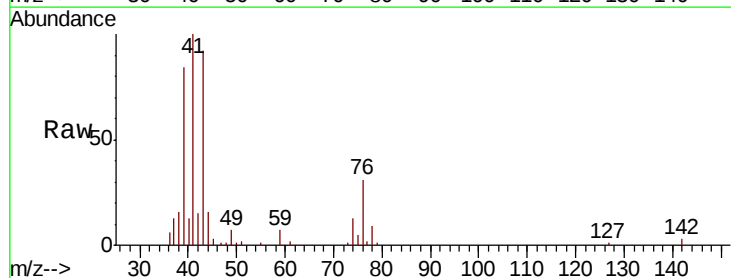
Manual Integrations
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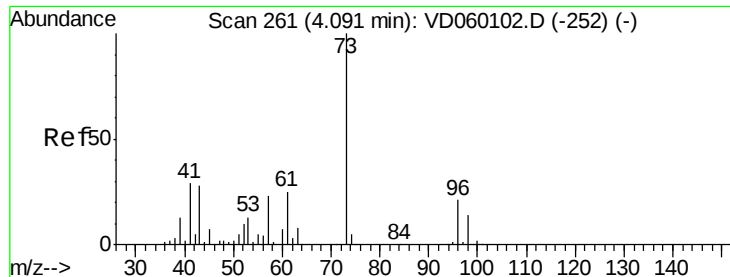
apatel
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#18
Methyl Acetate
Concen: 23.762 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	12.6	19.0





#19

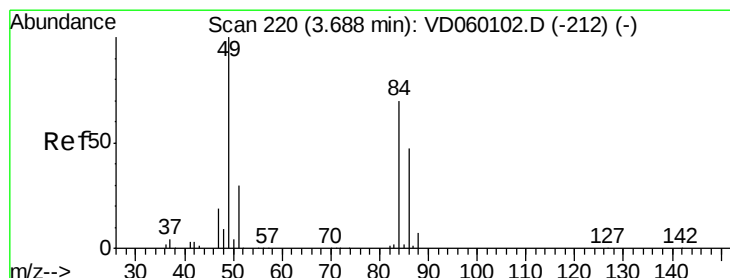
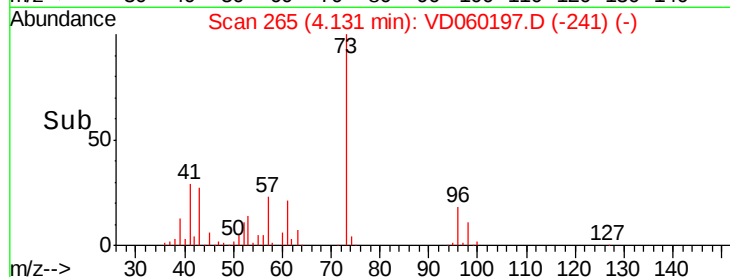
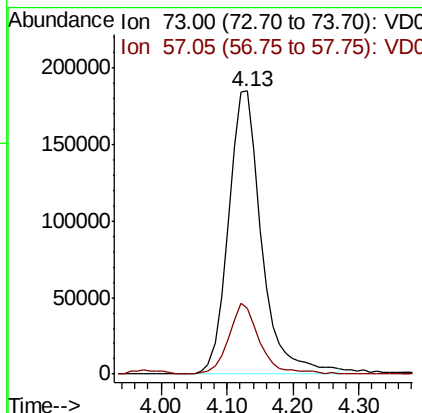
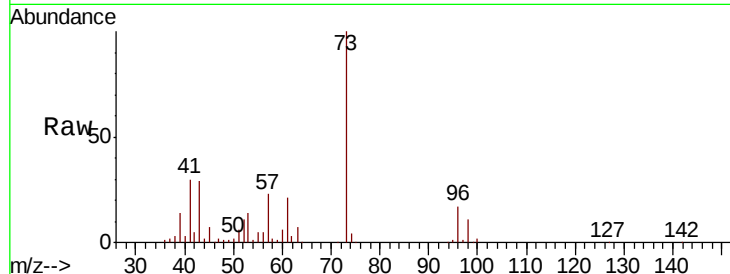
Methyl tert-butyl Ether
 Concen: 22.357 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. 0.04 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	73	Resp	654297
Ion Ratio	100	Lower	Upper
73	100	18.7	28.1
57	23.2		

Manual Integrations
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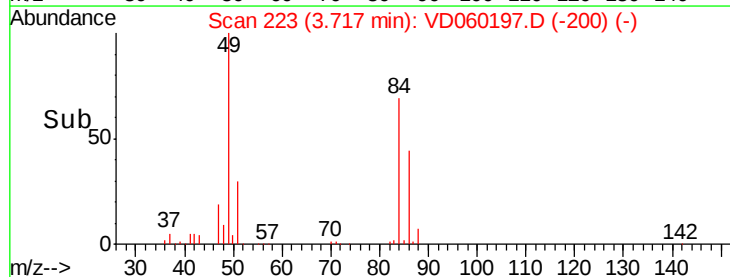
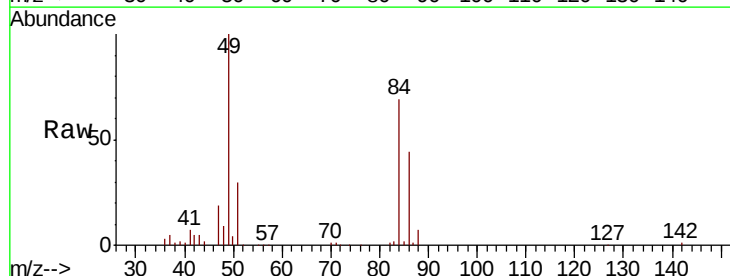
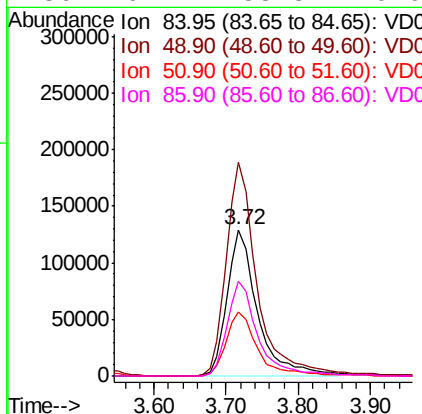
apatel
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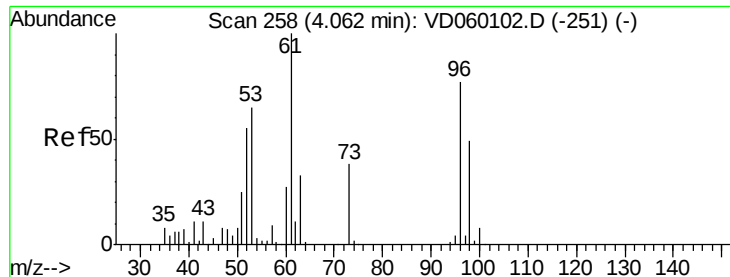


#20

Methylene Chloride
 Concen: 18.853 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	84	Resp	380391
Ion Ratio	100	Lower	Upper
84	100	114.6	172.0
49	145.9	33.8	50.8
51	43.5	53.3	79.9
86	64.4		





#21

trans-1,2-Dichloroethene

Concen: 21.870 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 96 Resp: 375973

Ion Ratio Lower Upper

96 100

61 133.6 103.3 154.9

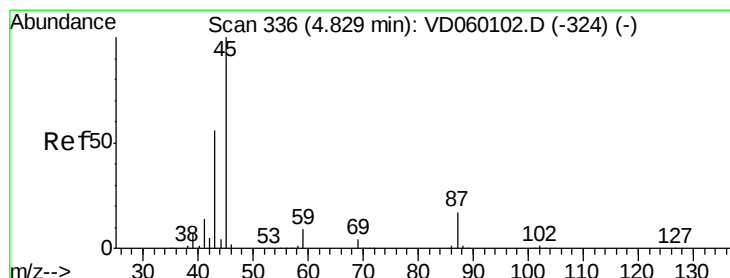
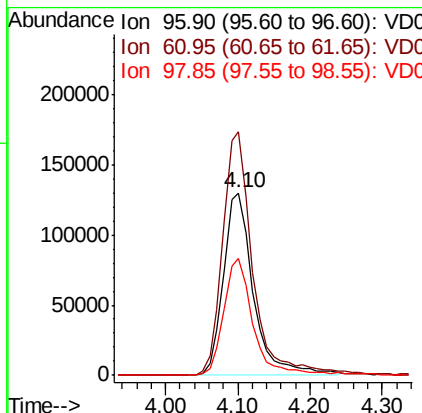
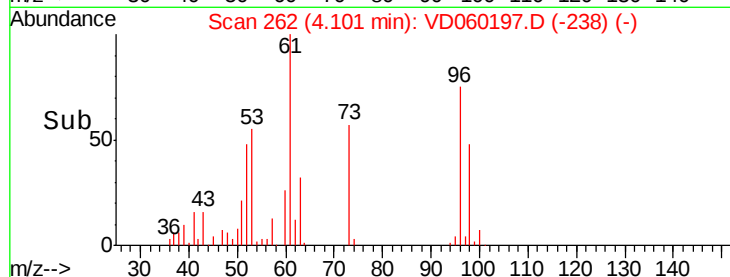
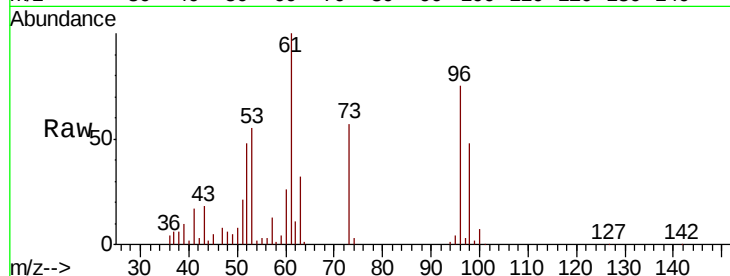
98 64.3 50.4 75.6

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#22

Diisopropyl ether

Concen: 22.824 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion: 45 Resp: 1409158

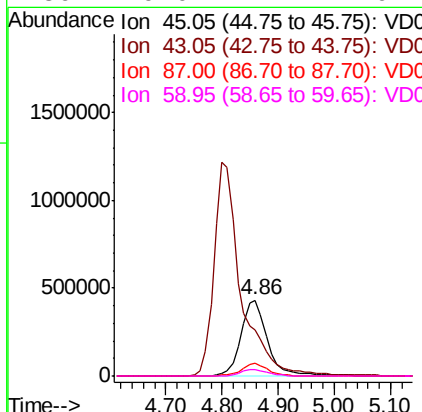
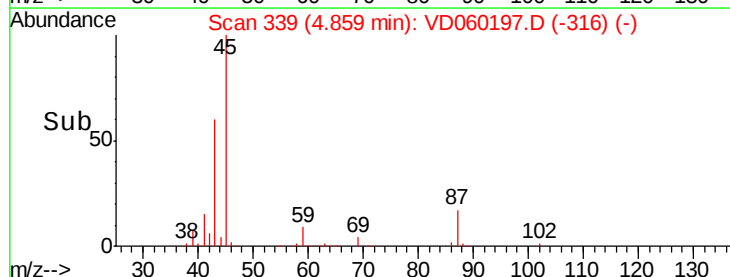
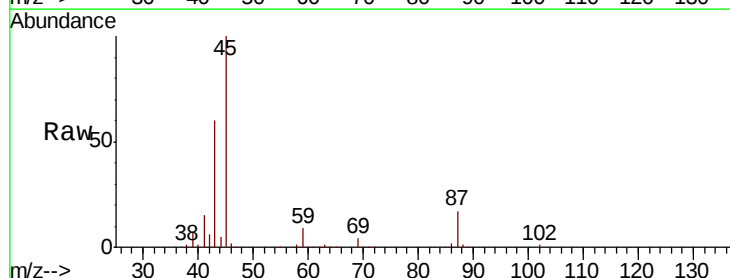
Ion Ratio Lower Upper

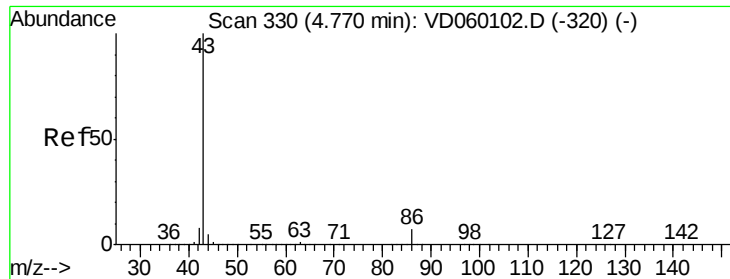
45 100

43 60.3 44.8 67.2

87 16.9 13.9 20.9

59 9.0 7.1 10.7





#23

Vinyl Acetate

Concen: 116.500 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleID :

VD1025SBS01

Tot Ion: 43 Resp: 4043062

Ion Ratio Lower Upper

43 100

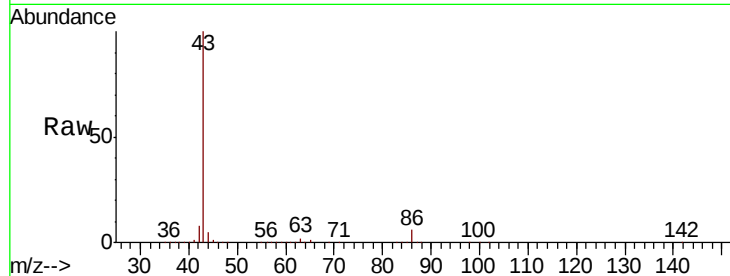
86 6.1 5.6 8.4

Manual Integrations

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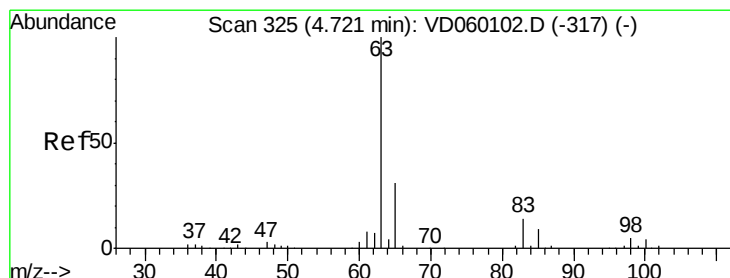
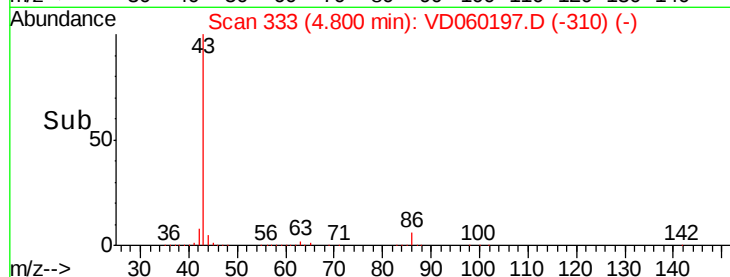
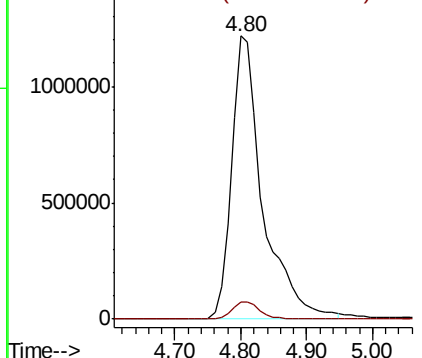
apatel

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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: 23.017 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

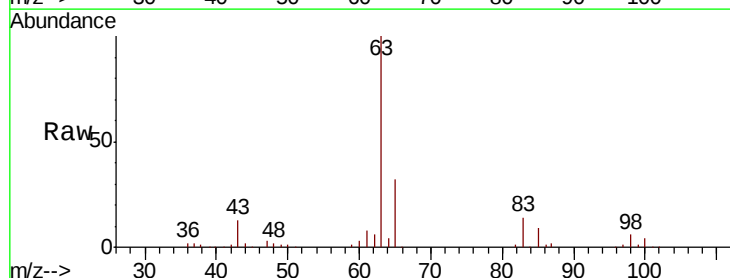
Tgt Ion: 63 Resp: 644327

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

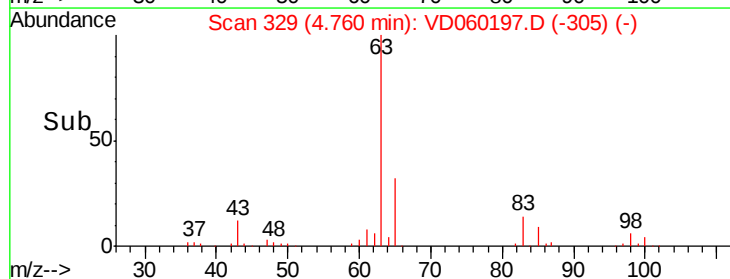
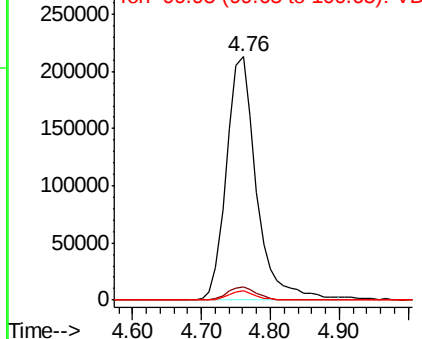
100 3.7 1.8 5.3

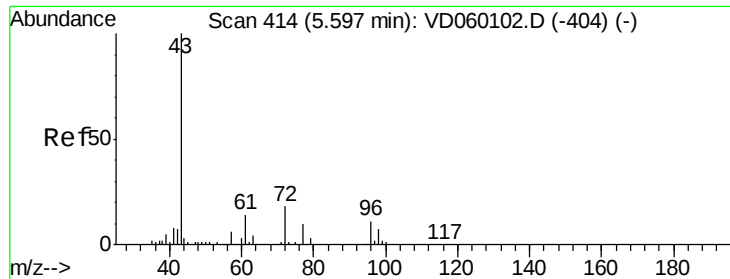


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 124.358 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 697283

Ion Ratio Lower Upper

43 100

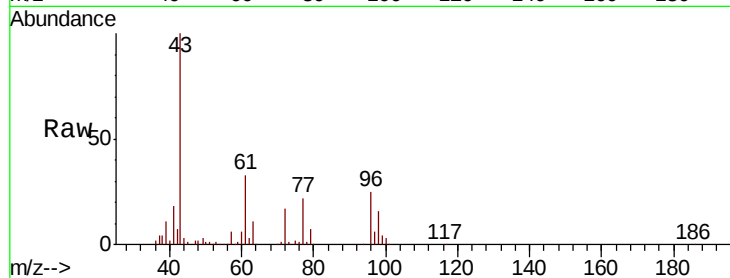
72 16.5 14.5 21.7

Manual Integrations

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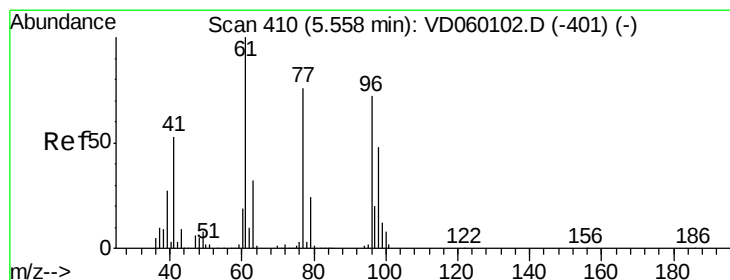
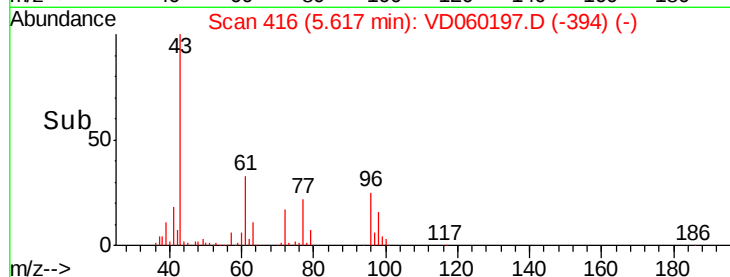
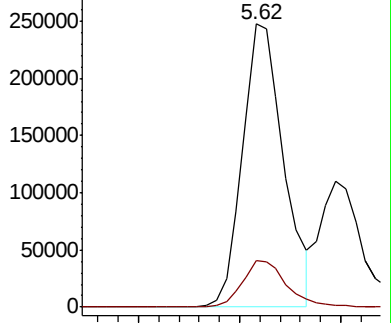
apatel

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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: 24.249 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060197.D

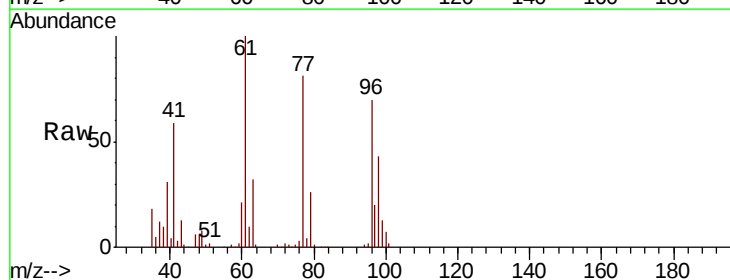
Acq: 25 Oct 2018 16:14

Tgt Ion: 77 Resp: 514612

Ion Ratio Lower Upper

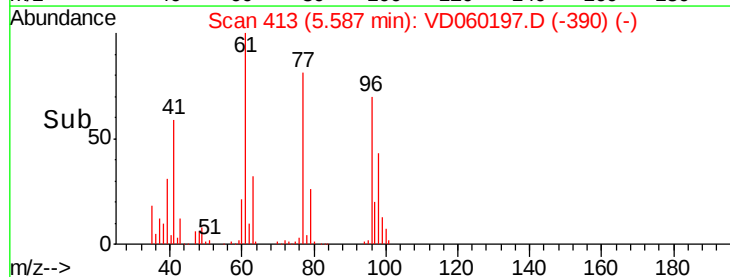
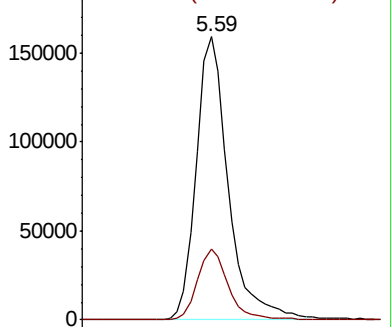
77 100

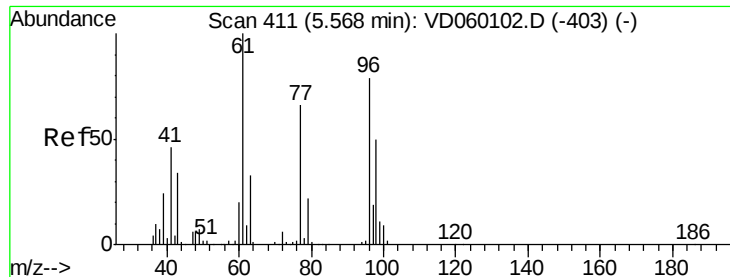
97 24.9 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

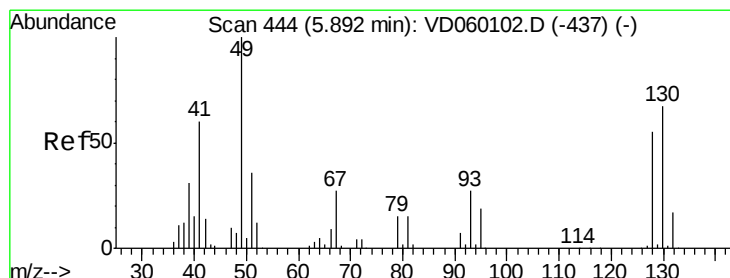
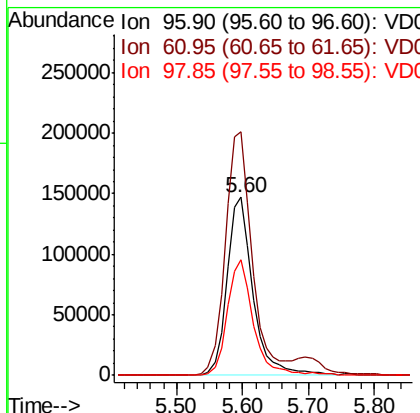
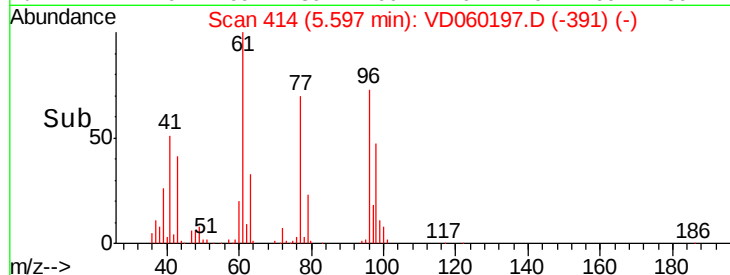
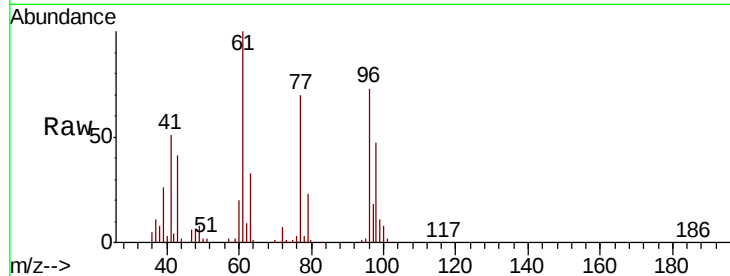
cis-1,2-Dichloroethene
Concen: 22.241 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	405101		
61	136.8	0.0	251.8	
98	64.8	0.0	125.2	

Manual Integrations
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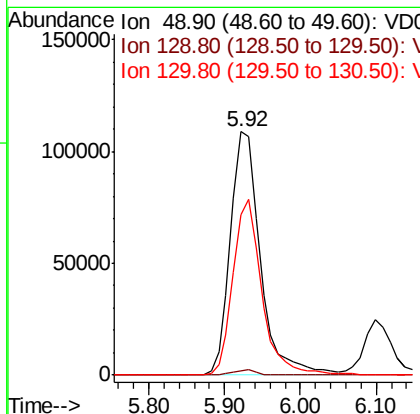
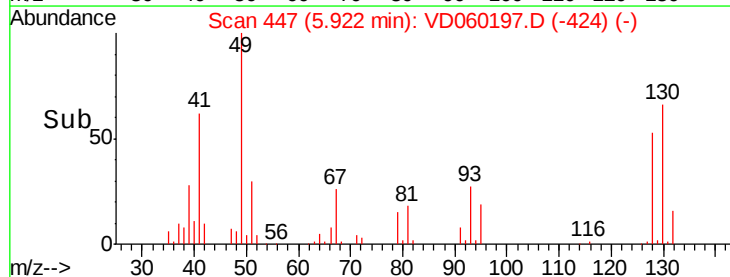
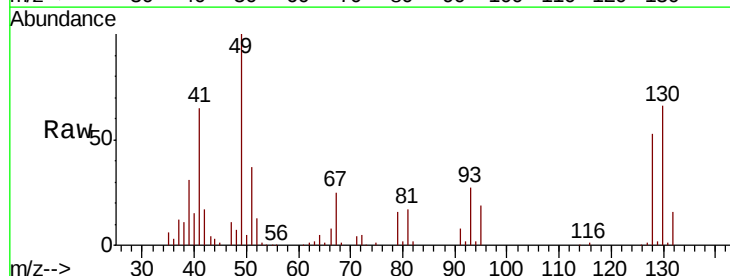
apatel
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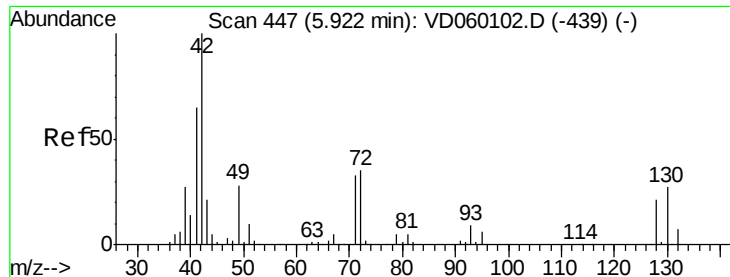


#28

Bromochloromethane
Concen: 22.005 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	299343		
129	1.7	0.0	3.6	
130	65.9	53.9	80.9	





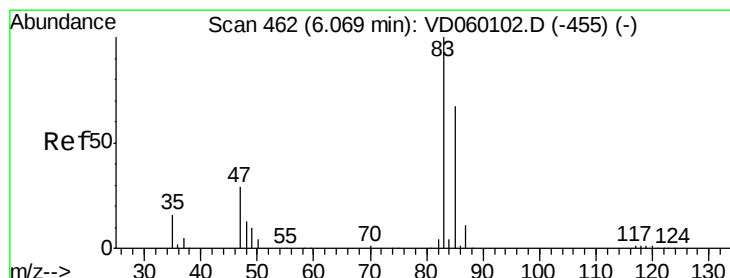
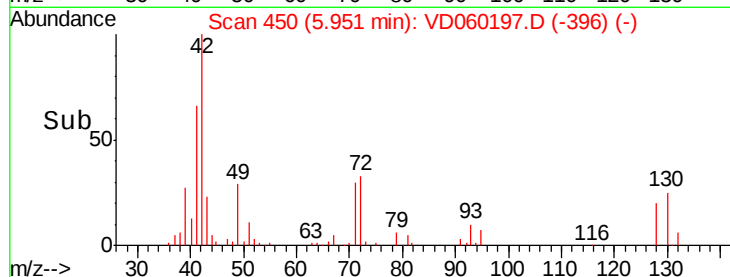
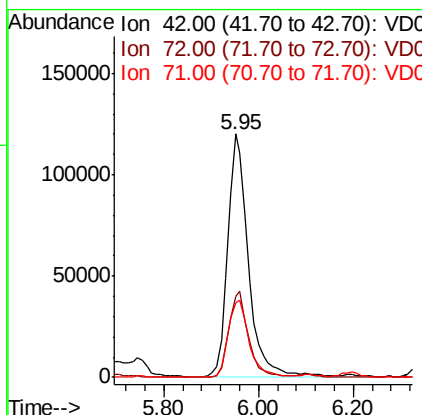
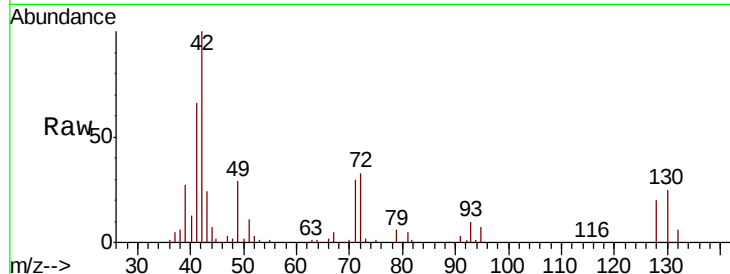
#29
Tetrahydrofuran
Concen: 112.439 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	33.1	26.9	40.3	
71	31.8	26.7	40.1	

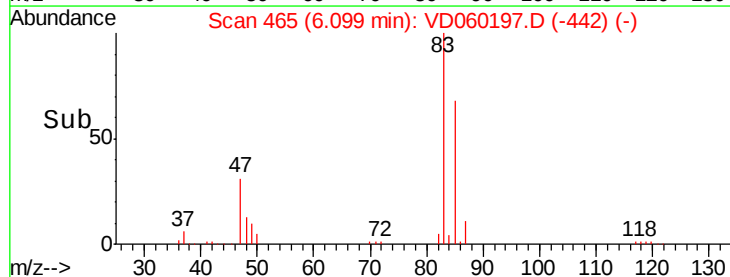
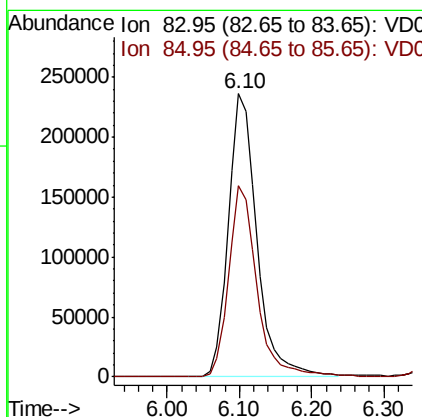
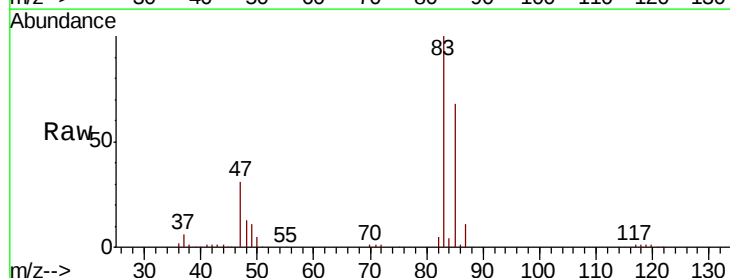
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APPROVED

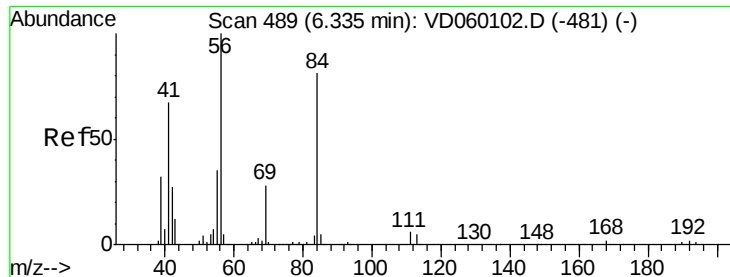
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#30
Chloroform
Concen: 23.020 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	67.7	53.8	80.8	





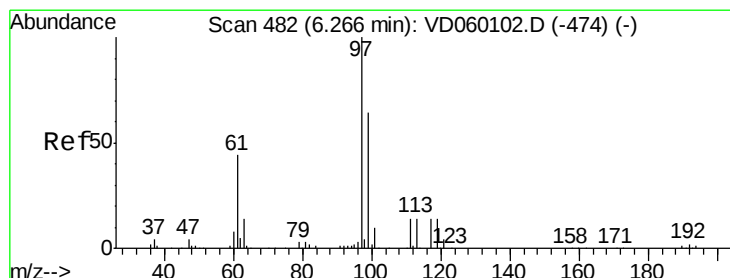
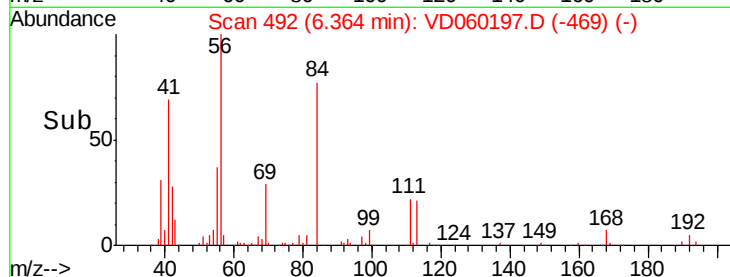
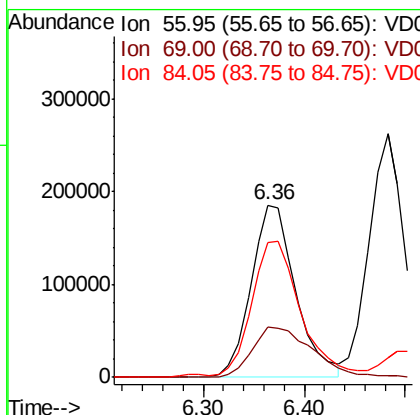
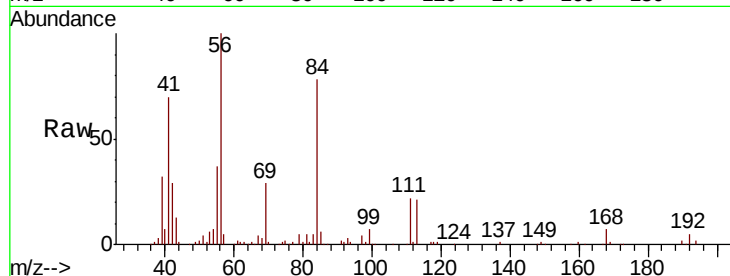
#31
Cyclohexane
Concen: 21.213 ug/l
RT: 6.36 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.8	34.2
84	78.2	64.9	97.3

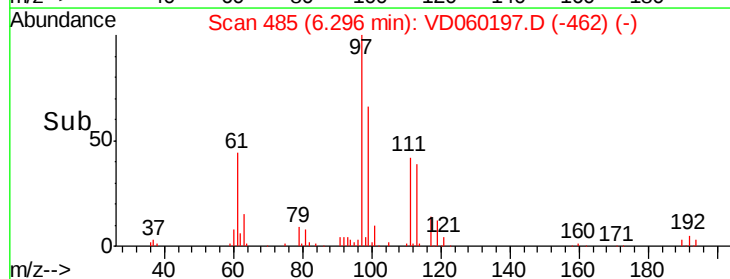
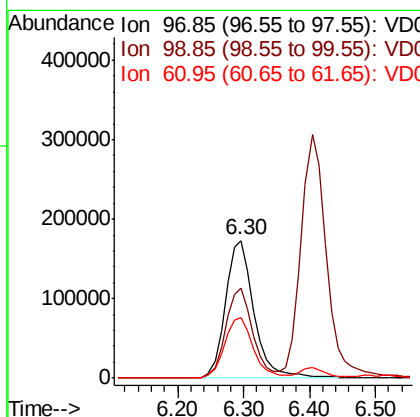
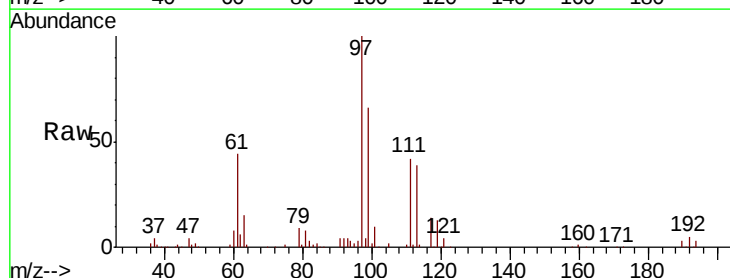
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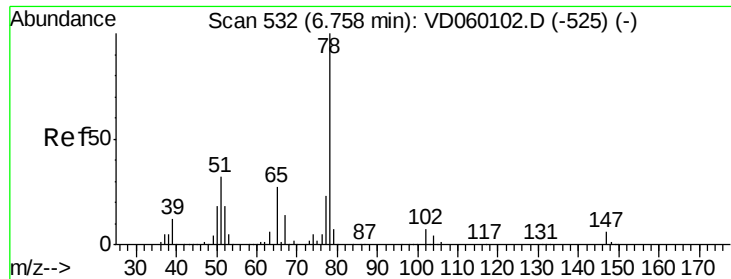
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#32
1,1,1-Trichloroethane
Concen: 22.598 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.4	77.0
61	43.7	35.5	53.3





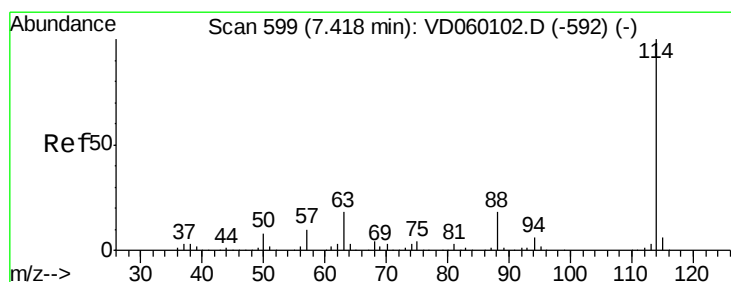
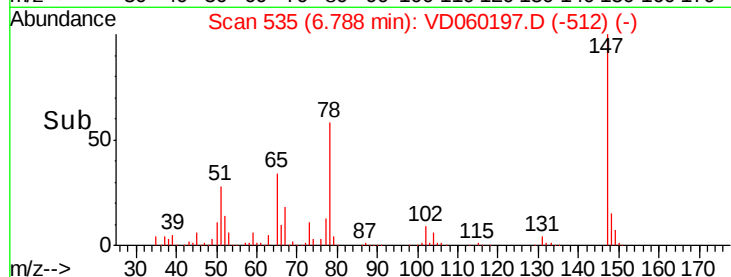
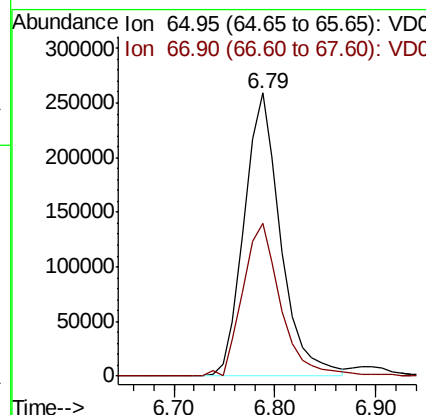
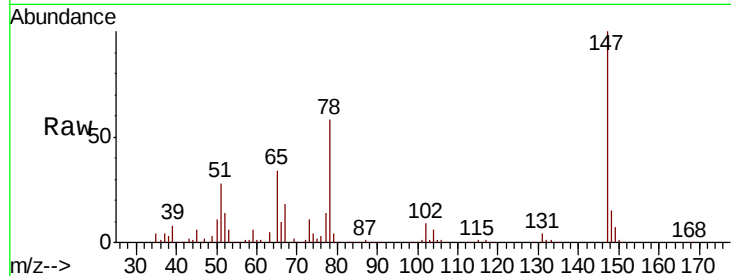
#33
 1,2-Dichloroethane-d4
 Concen: 22.598 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	652022		
67	54.1	0.0	106.2	

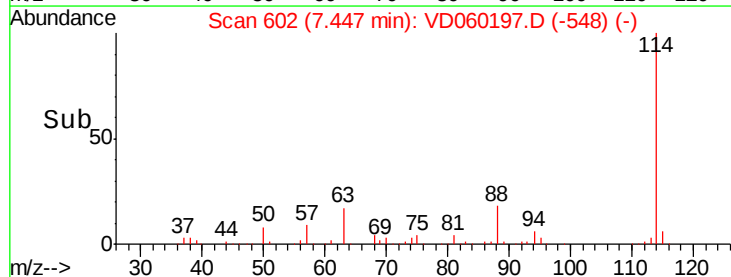
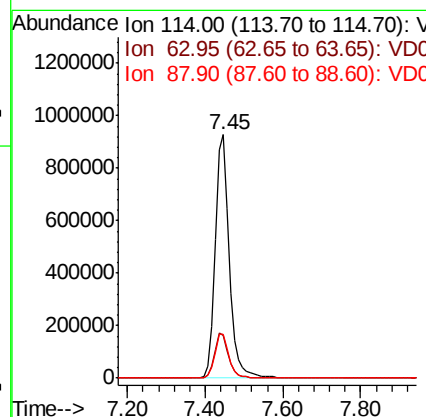
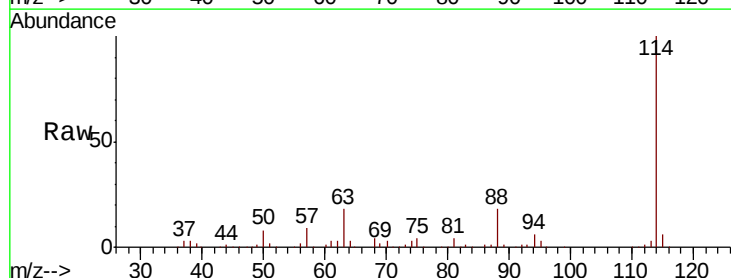
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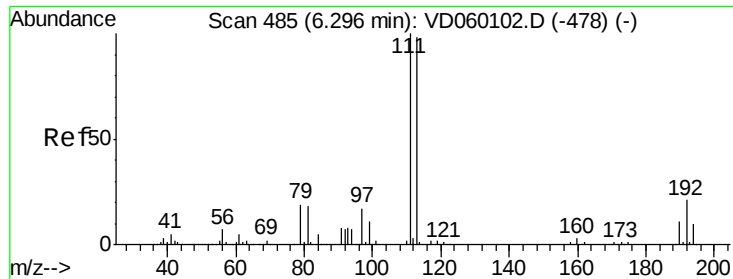
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2314919		
63	17.7	0.0	36.0	
88	18.1	0.0	36.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

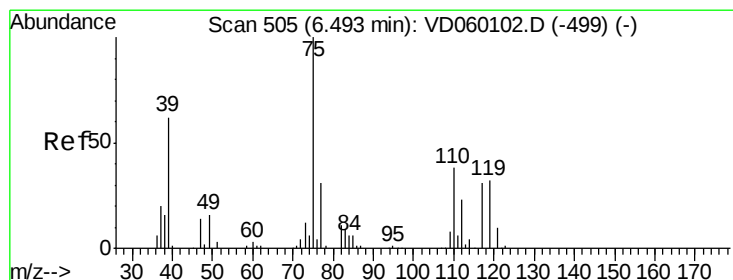
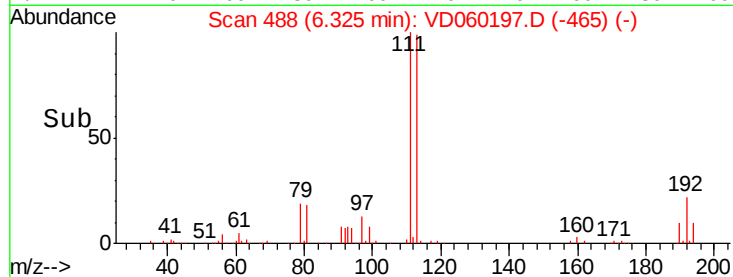
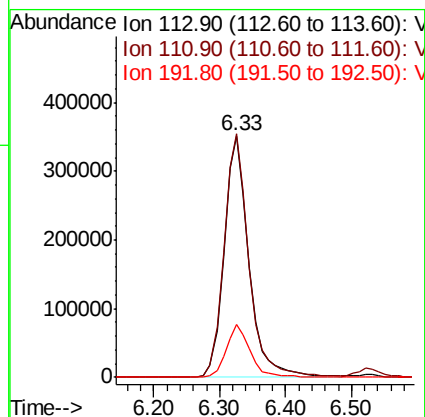
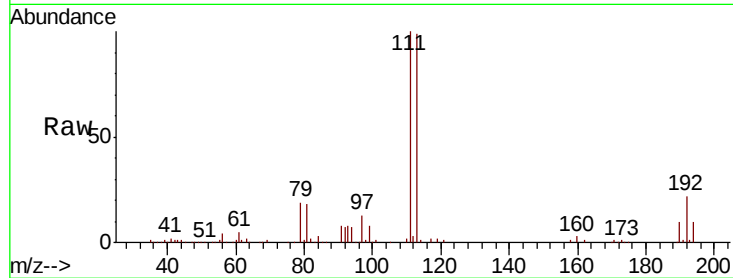
ClientSampleId :

VD1025SBS01

Tot Ion:	113	Resp:	918805
Ion Ratio	Lower	Upper	
113	100		
111	100.9	81.5	122.3
192	21.8	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 21.525 ug/l

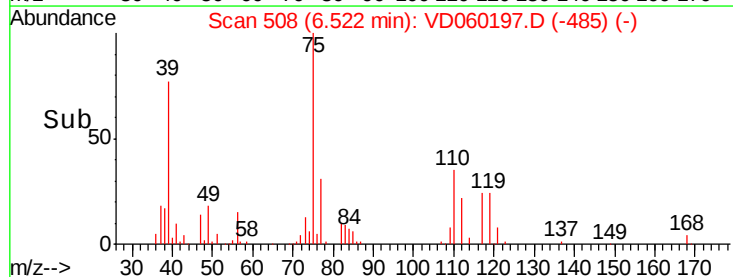
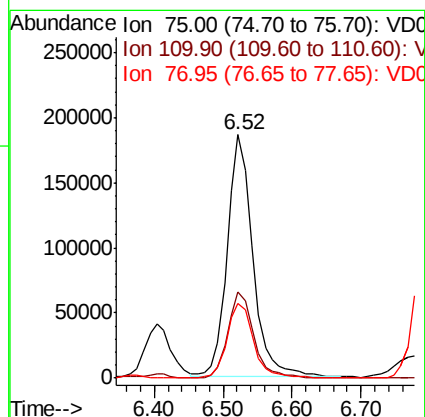
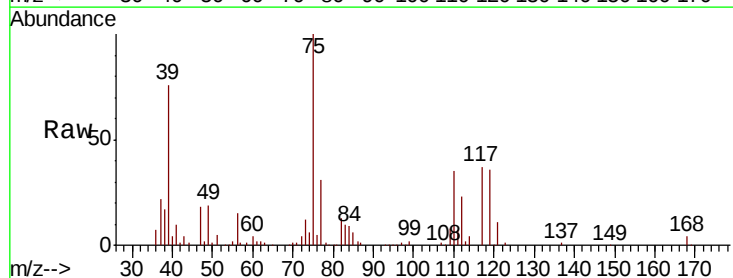
RT: 6.52 min Scan# 508

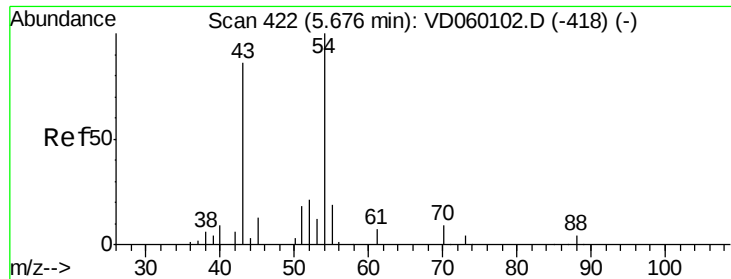
Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion:	75	Resp:	476159
Ion Ratio	Lower	Upper	
75	100		
110	35.3	19.0	57.0
77	30.8	24.9	37.3





#37

Ethyl Acetate

Concen: 21.990 ug/l

RT: 5.70 min Scan# 424

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

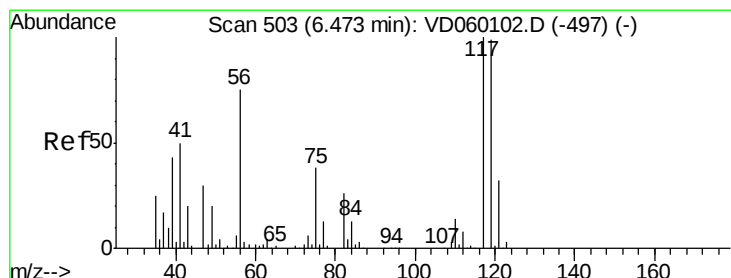
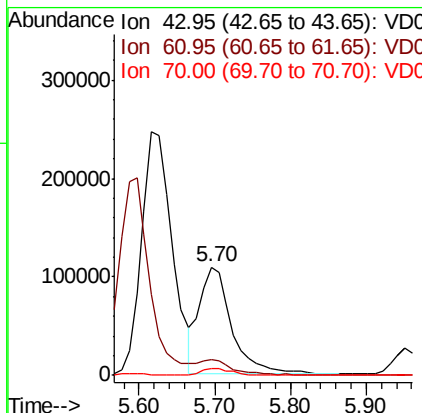
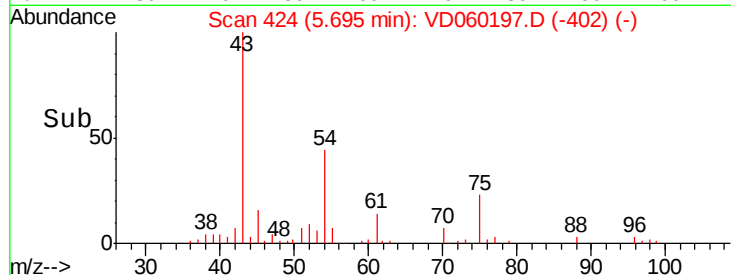
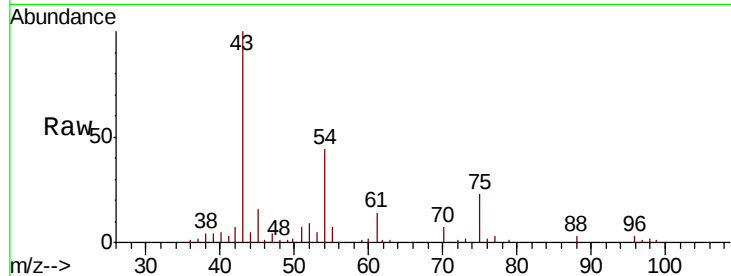
ClientSampleId :

VD1025SBS01

Tot Ion:	43	Resp:	322886
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.5	15.7
70	6.6	6.3	9.5

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#38

Carbon Tetrachloride

Concen: 22.072 ug/l

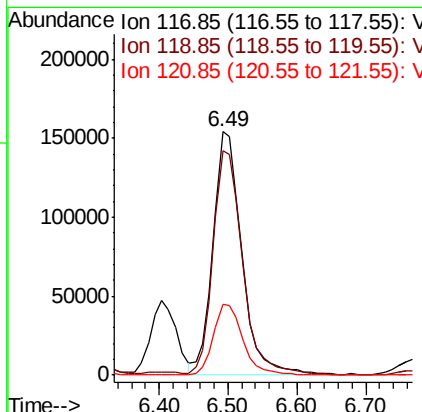
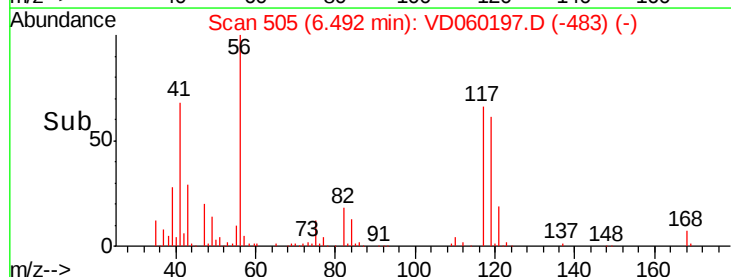
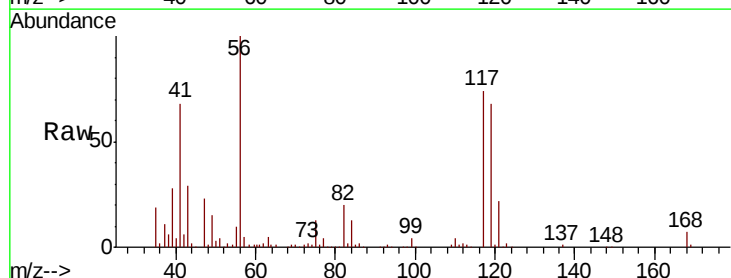
RT: 6.49 min Scan# 505

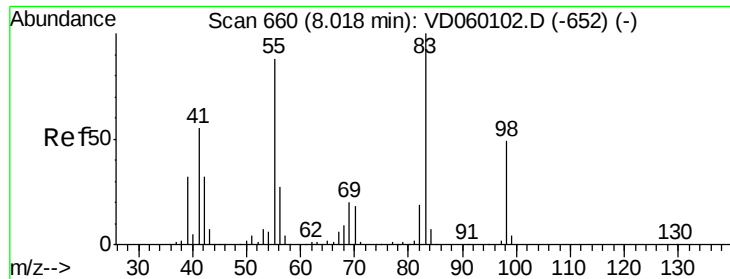
Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion:	117	Resp:	443156
Ion	Ratio	Lower	Upper
117	100		
119	92.3	77.8	116.6
121	29.2	24.8	37.2





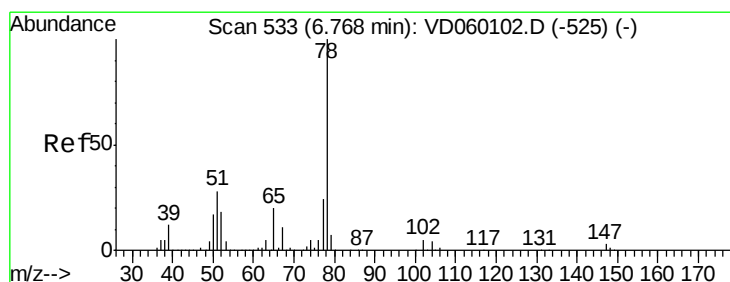
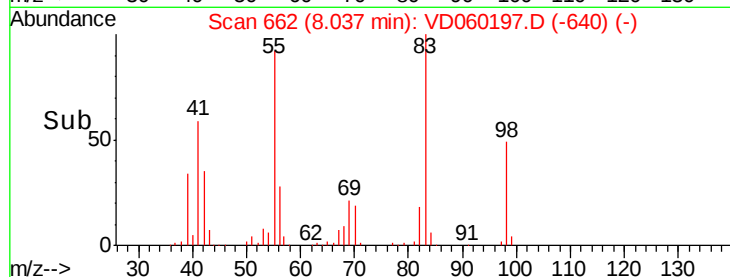
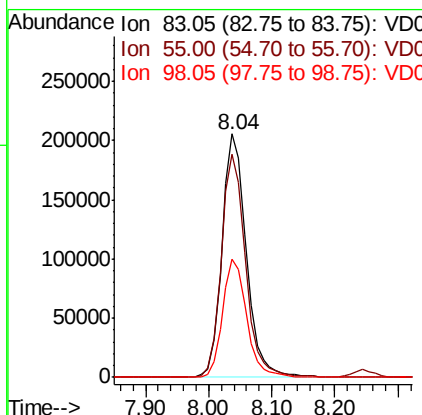
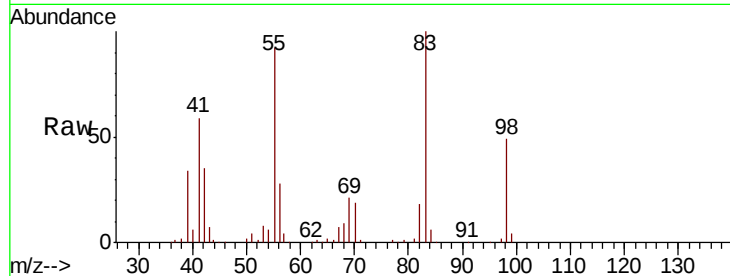
#39
Methvlcvclohexane
Concen: 21.942 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 83 Resp: 551487
Ion Ratio Lower Upper
83 100
55 91.9 70.5 105.7
98 48.7 39.4 59.2

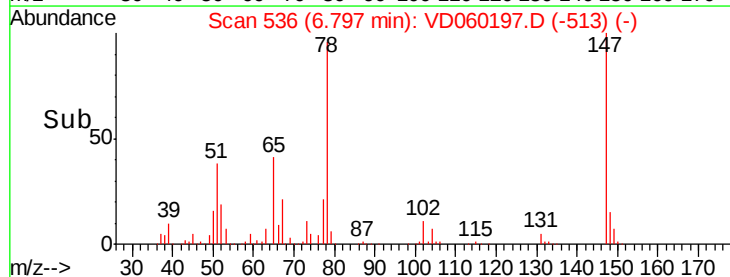
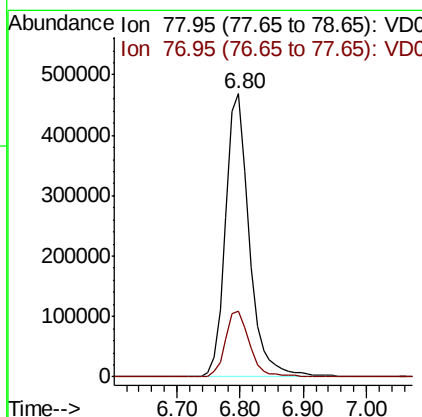
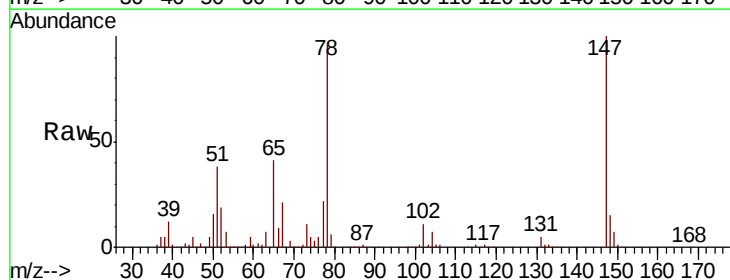
Manual Integrations
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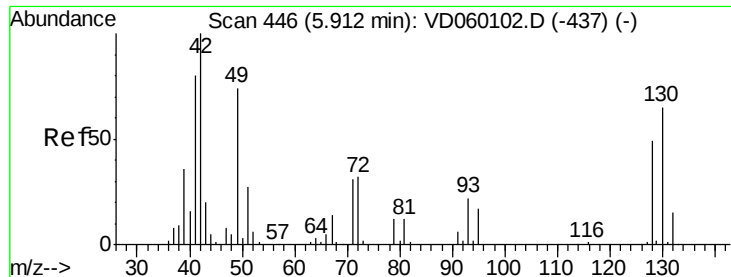
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#40
Benzene
Concen: 21.167 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 78 Resp: 1224990
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 19.264 ug/l m

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 41 Resp: 159880

Ion Ratio Lower Upper

41 100

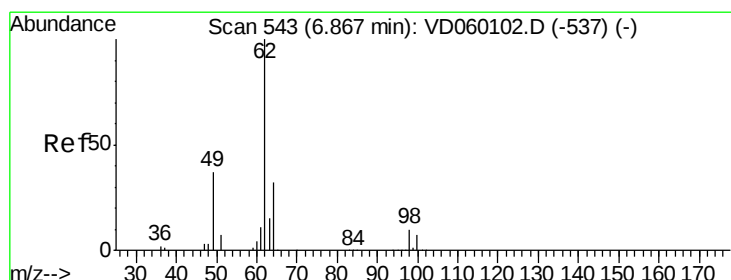
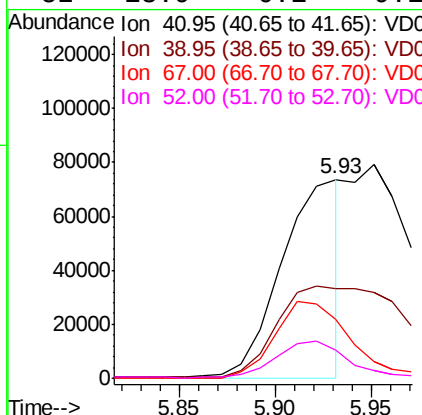
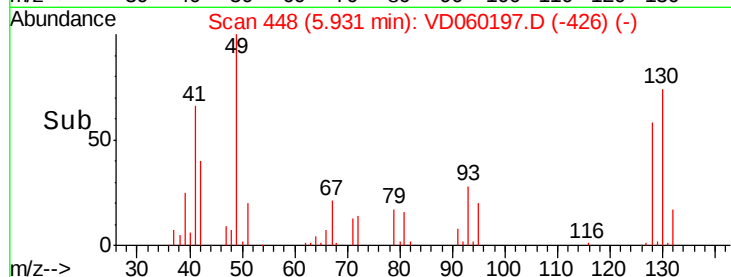
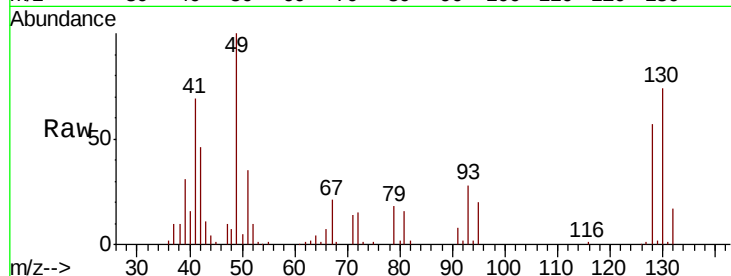
39 45.3 36.0 54.0

67 30.0 13.9 20.9#

52 13.9 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.223 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060197.D

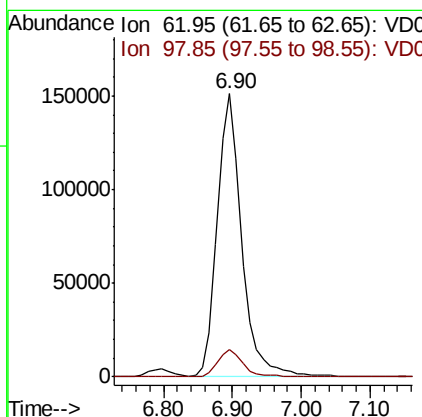
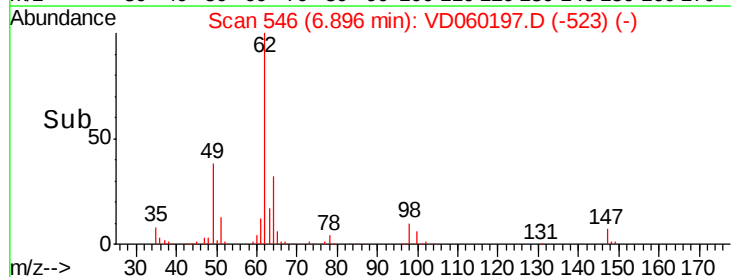
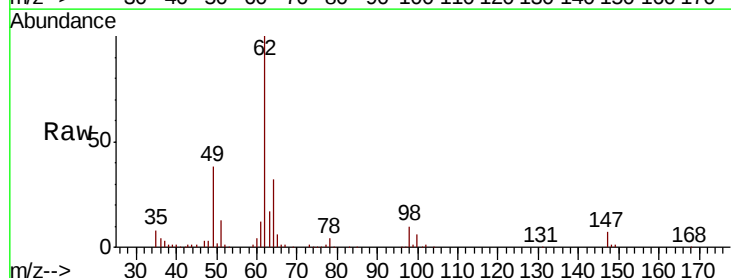
Acq: 25 Oct 2018 16:14

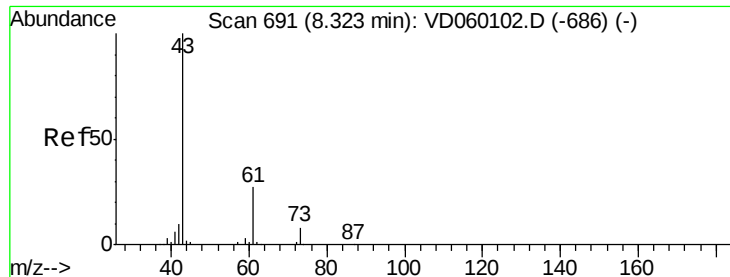
Tgt Ion: 62 Resp: 368716

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.6





#43

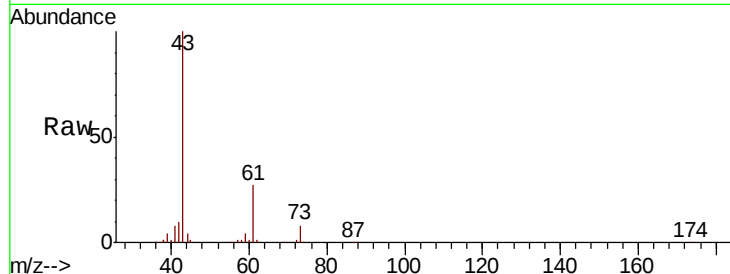
Isopropyl Acetate
 Concen: 21.338 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1025SBS01

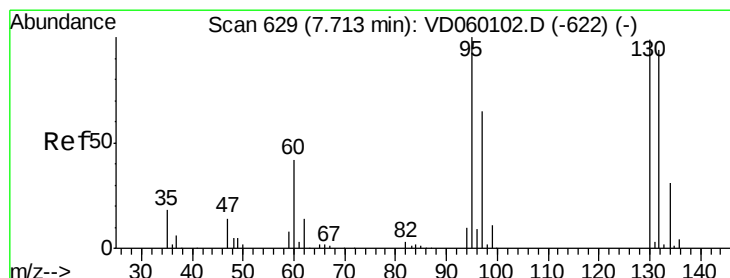
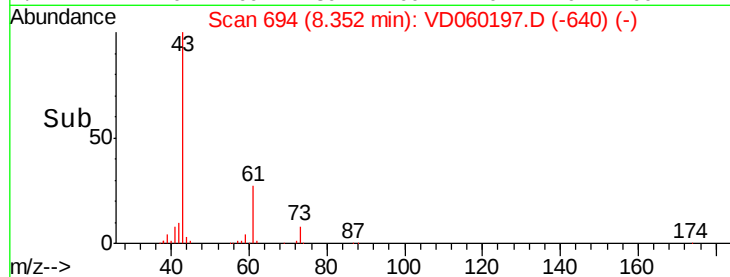
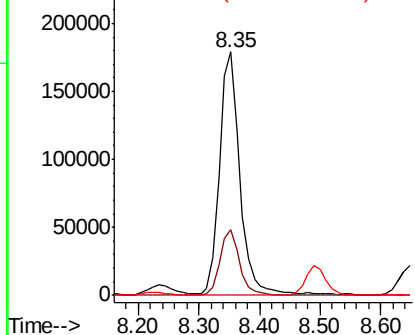
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.4	32.2
87	0.2	0.2	0.2

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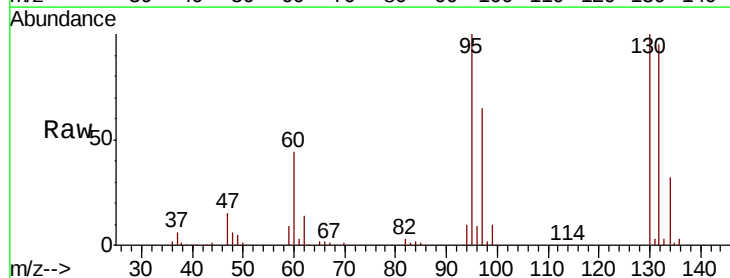
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



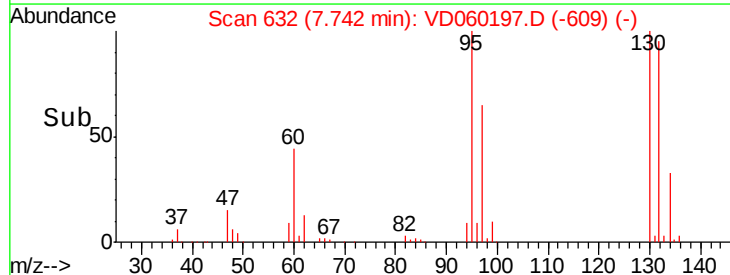
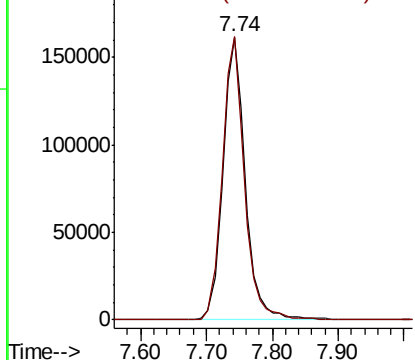
#44

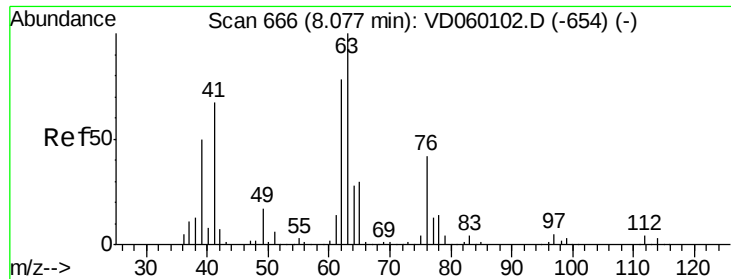
Trichloroethene
 Concen: 21.244 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





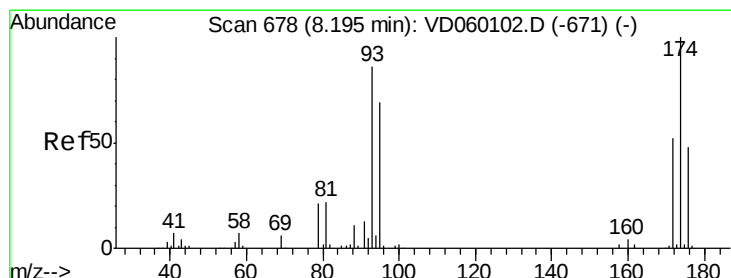
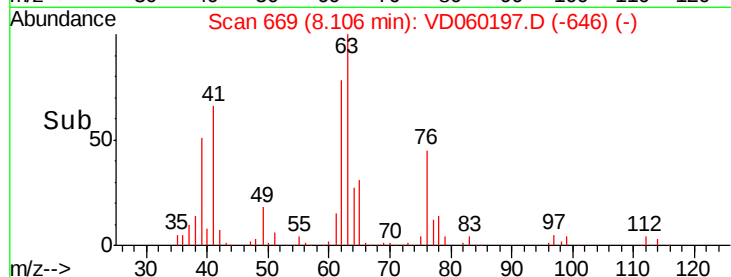
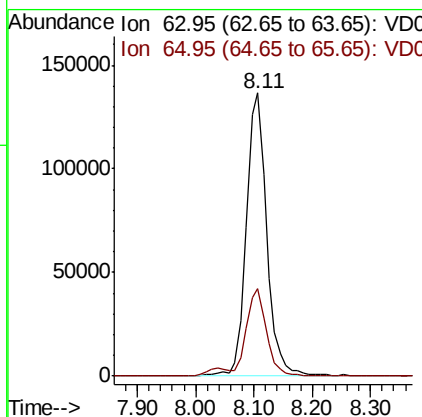
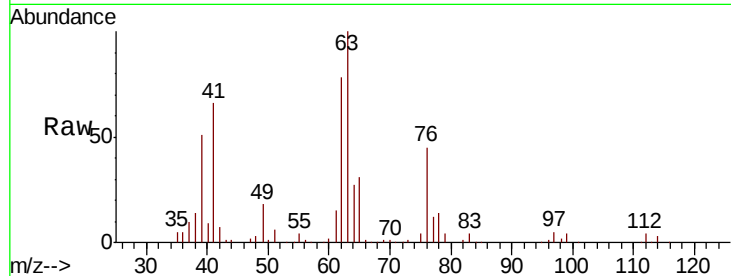
#45
 1,2-Dichloropropane
 Concen: 22.141 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion: 63 Resp: 335515
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.1 36.1

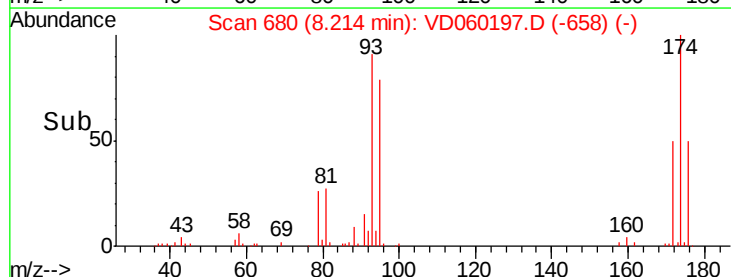
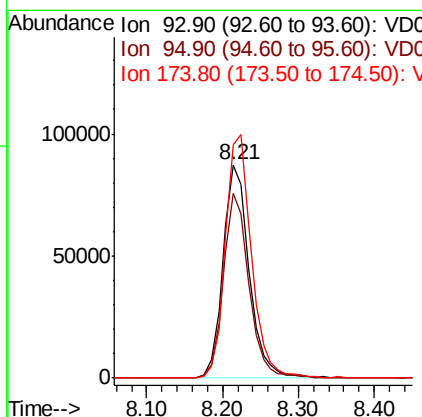
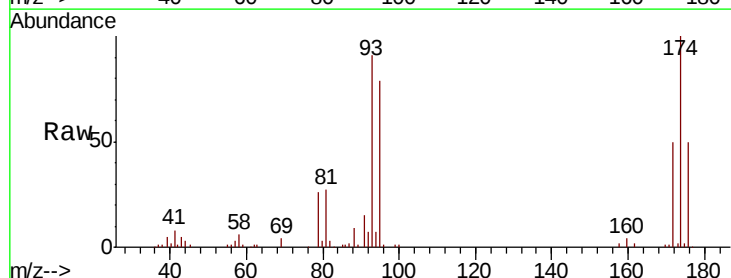
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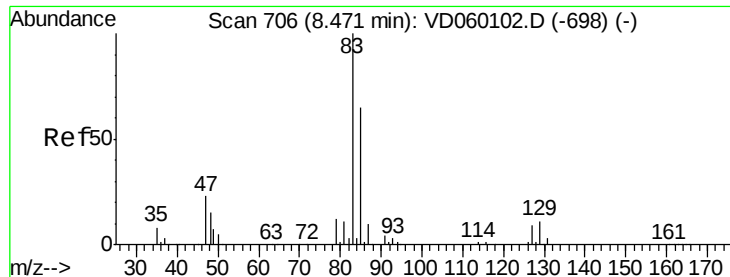
apatel
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#46
 Dibromomethane
 Concen: 21.195 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 93 Resp: 207932
 Ion Ratio Lower Upper
 93 100
 95 86.7 63.8 95.6
 174 109.4 92.9 139.3





#47

Bromodichloromethane

Concen: 22.985 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

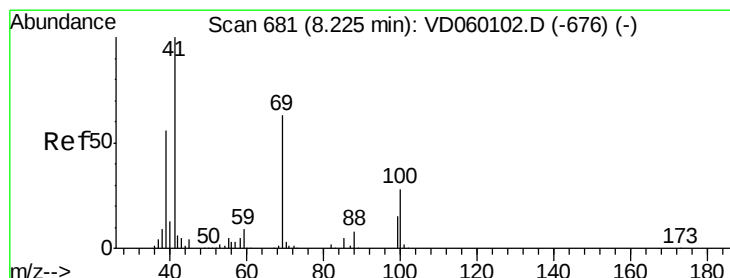
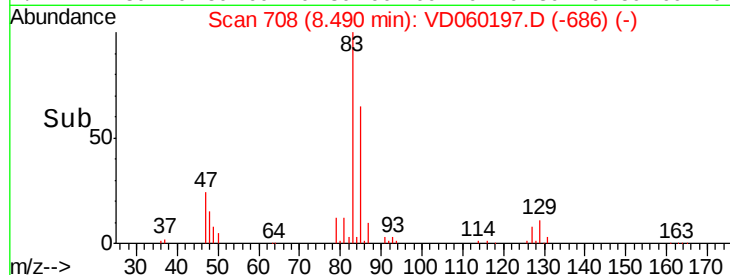
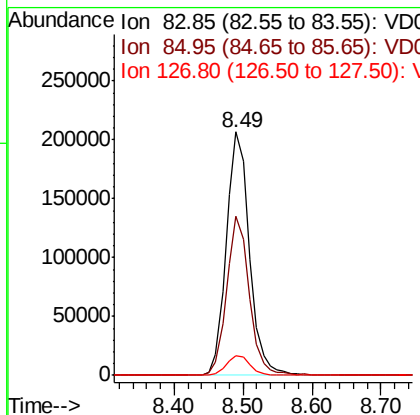
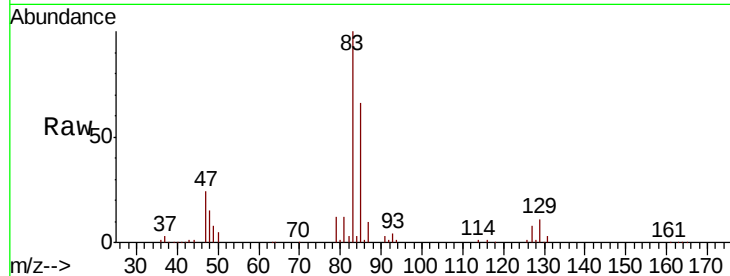
ClientSampleId :

VD1025SBS01

Tot Ion:	83	Resp:	480470
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.2	78.2
127	8.2	7.4	11.0

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#48

Methyl methacrylate

Concen: 22.169 ug/l

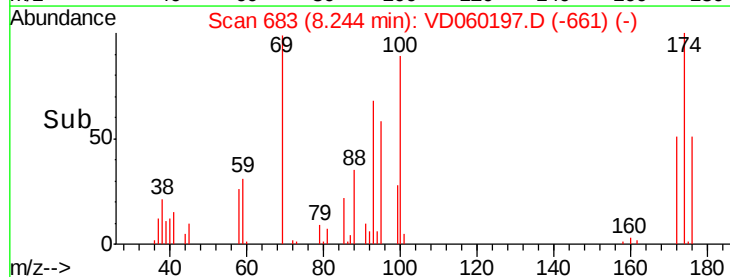
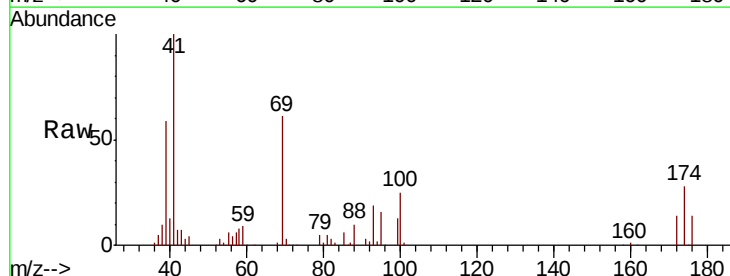
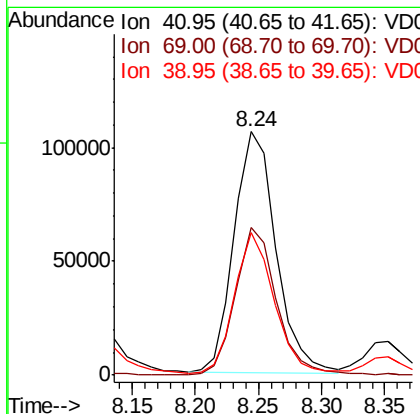
RT: 8.24 min Scan# 683

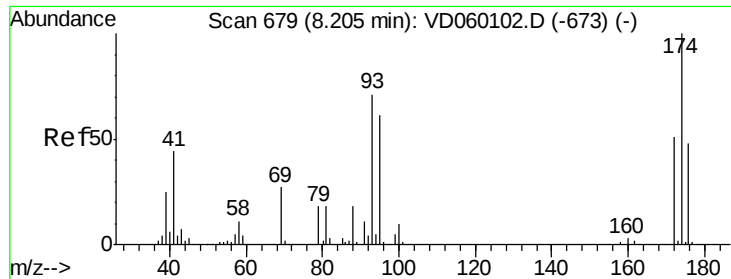
Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion:	41	Resp:	243930
Ion Ratio	Lower	Upper	
41	100		
69	60.7	49.7	74.5
39	58.7	45.2	67.8





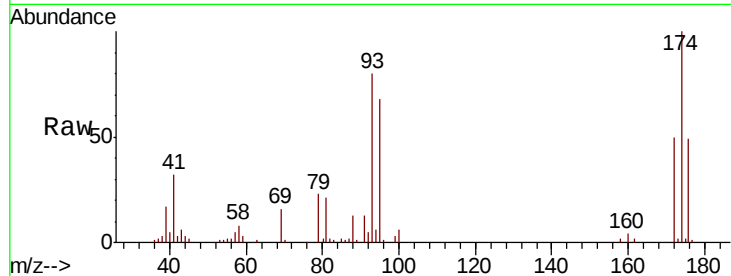
#49
1,4-Dioxane
Concen: 407.547 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

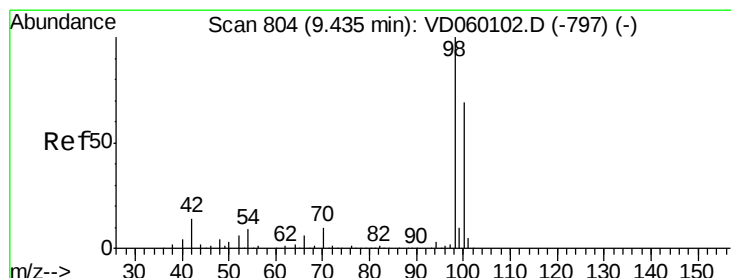
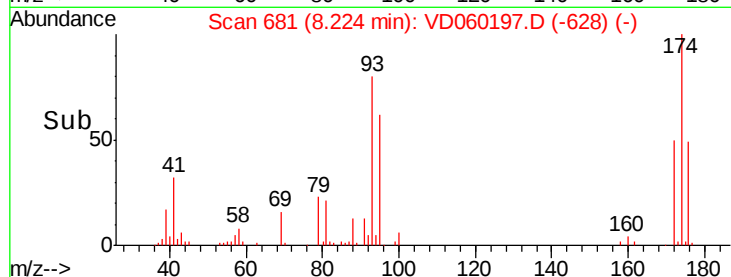
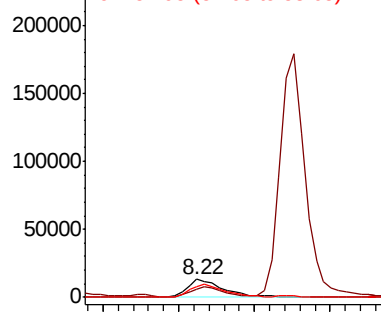
Tot Ion	Ratio	Lower	Upper
88	100		
43	45.5	33.7	50.5
58	62.5	49.1	73.7

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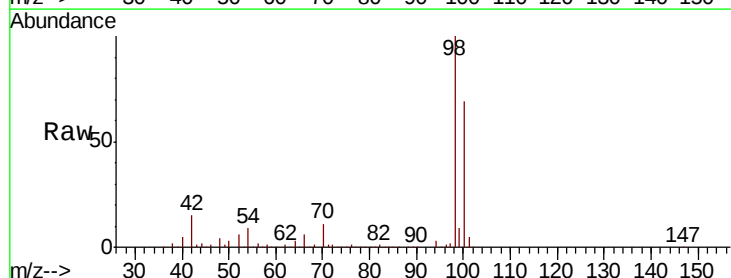


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

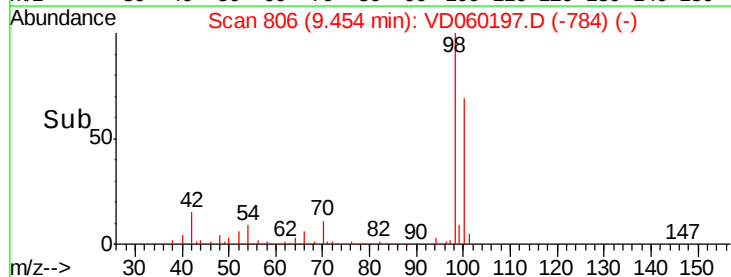
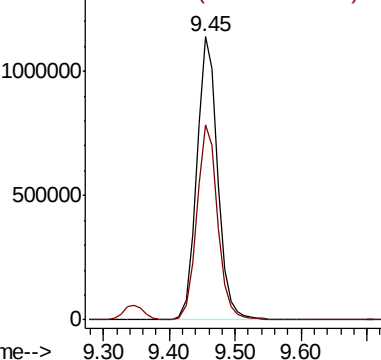


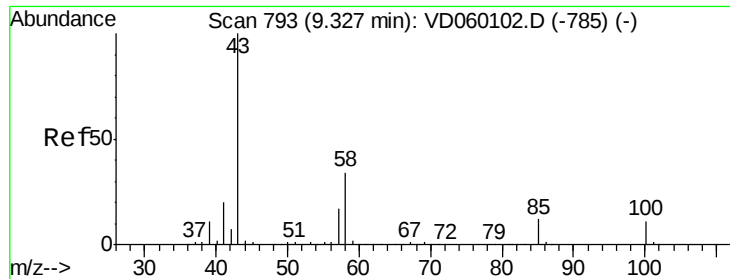
#50
Toluene-d8
Concen: 407.547 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	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: 111.594 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 1359659

Ion Ratio Lower Upper

43 100

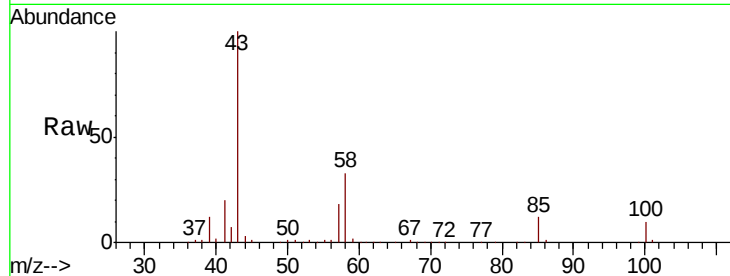
58 32.8 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

400000

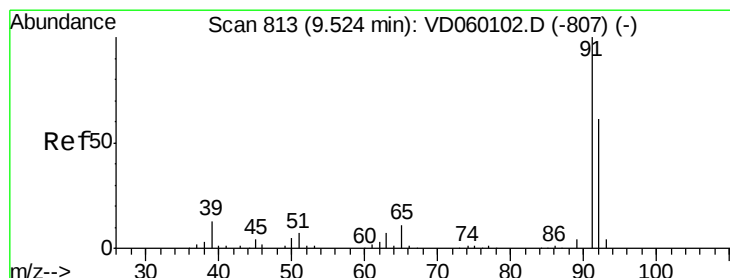
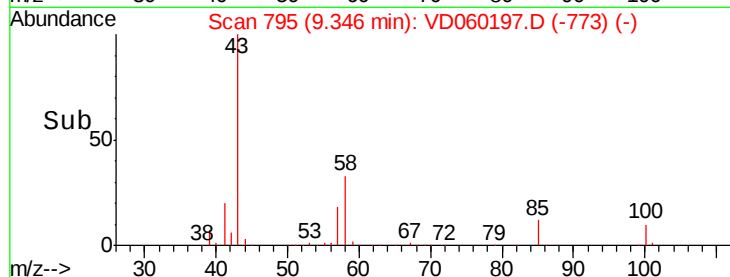
200000

0

9.35

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 22.131 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060197.D

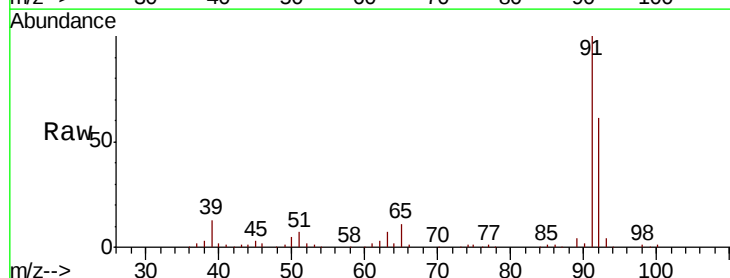
Acq: 25 Oct 2018 16:14

Tgt Ion: 92 Resp: 824875

Ion Ratio Lower Upper

92 100

91 163.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

400000

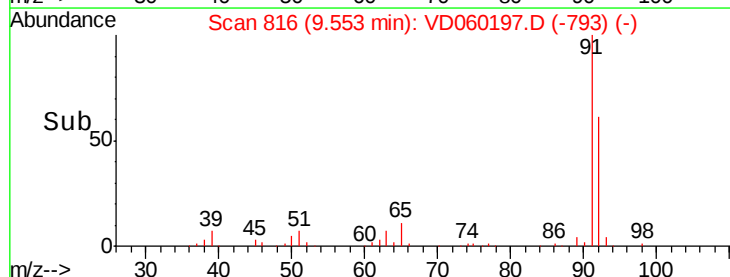
200000

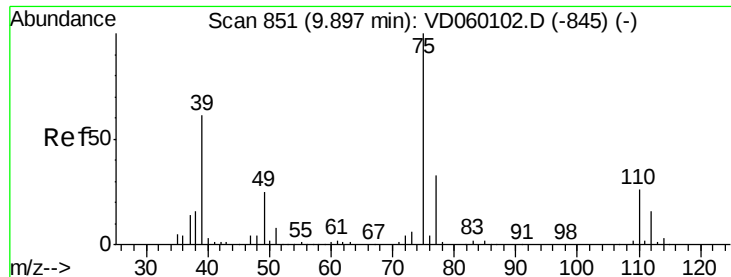
0

9.55

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.367 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tot Ion: 75 Resp: 423065

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

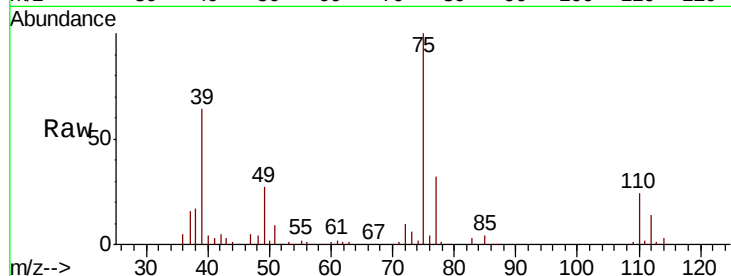
VD1025SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

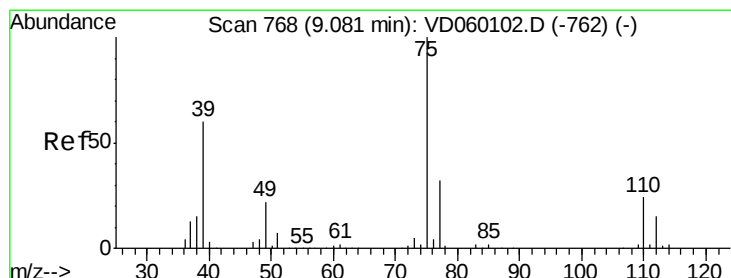
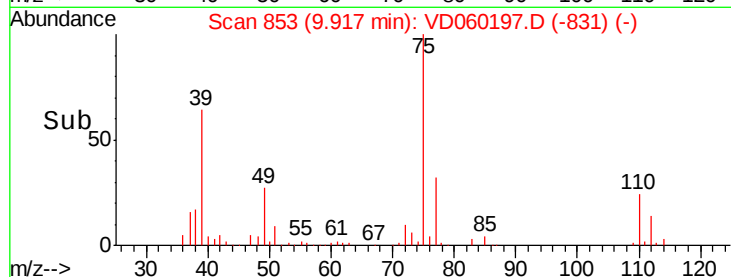
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.652 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

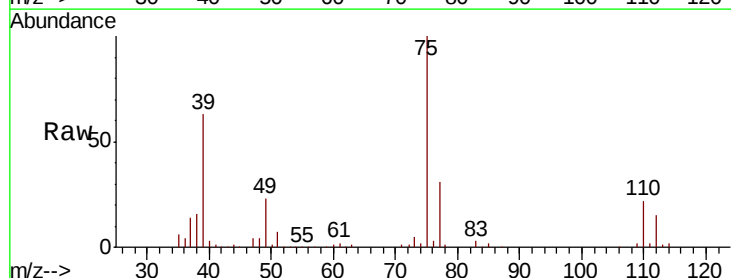
Tgt Ion: 75 Resp: 529085

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 62.9 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

300000

250000

200000

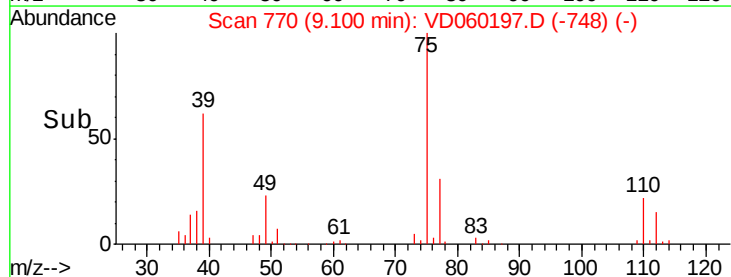
150000

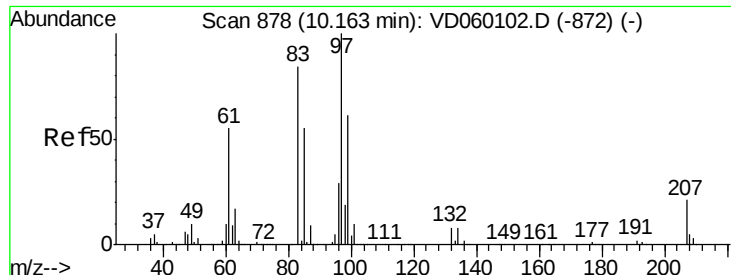
100000

50000

0

Time-->





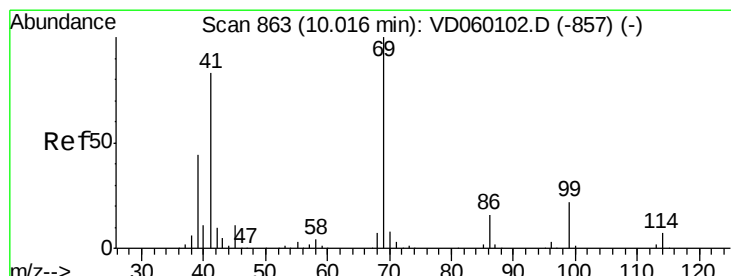
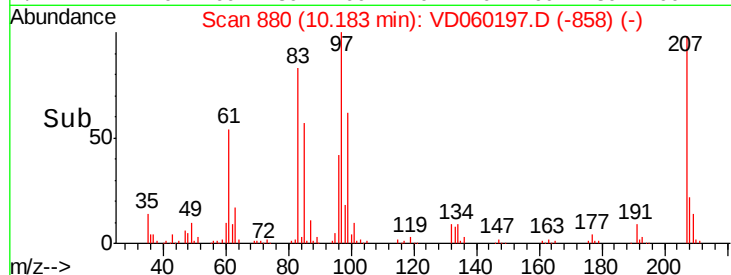
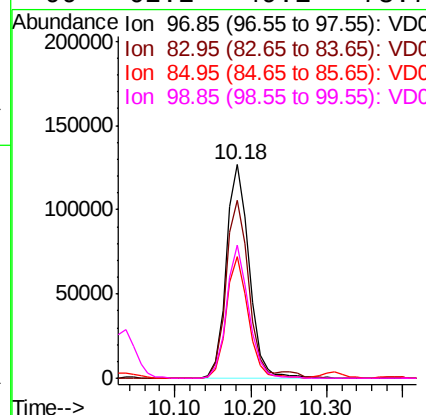
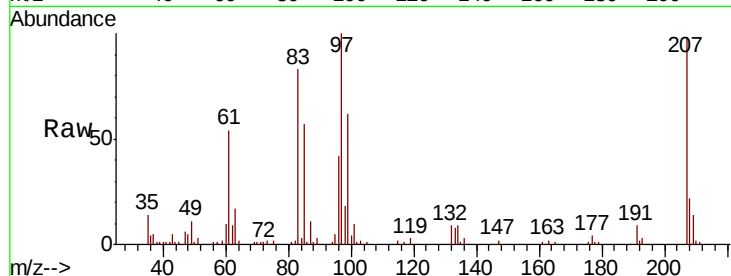
#55
 1,1,2-Trichloroethane
 Concen: 21.791 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		265514		
83	83.4	67.0	100.6		
85	57.1	43.9	65.9		
99	62.2	49.1	73.7		

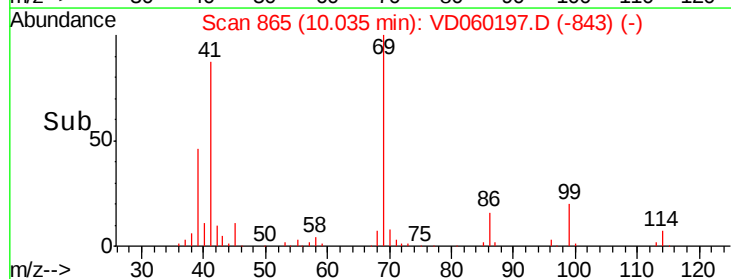
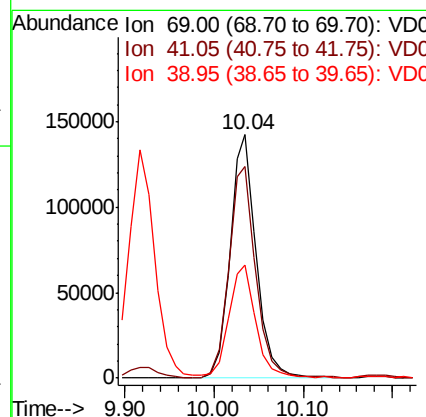
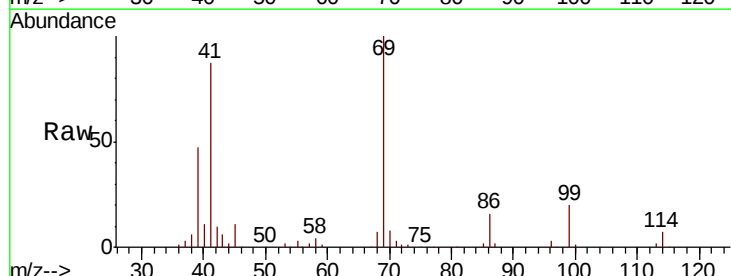
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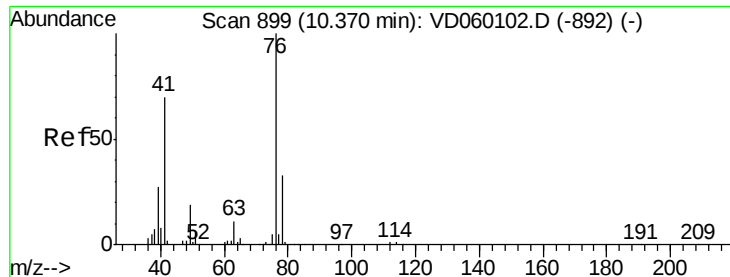
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#56
 Ethyl methacrylate
 Concen: 21.610 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		290663		
41	86.7	66.6	100.0		
39	46.6	36.0	54.0		





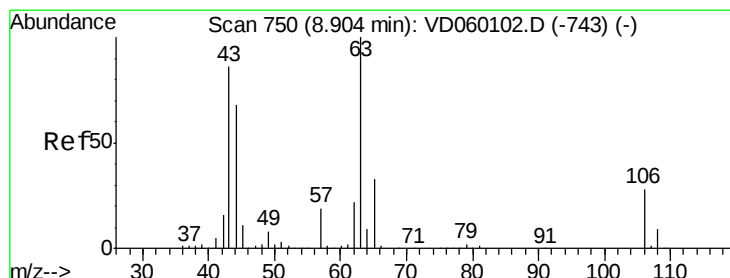
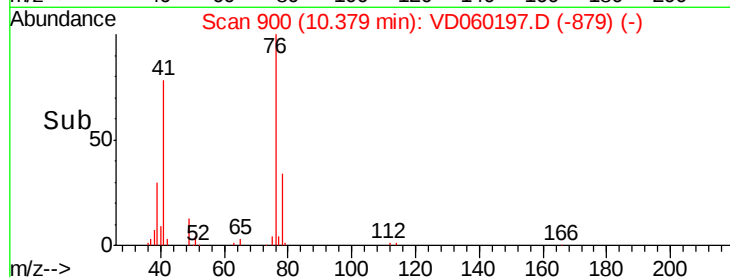
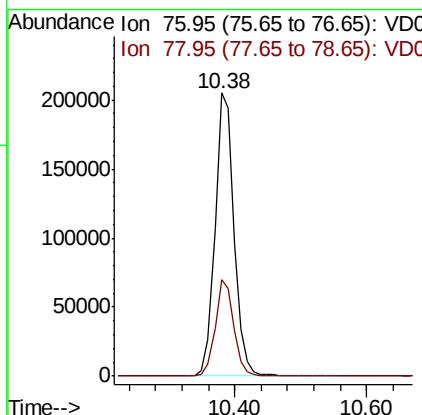
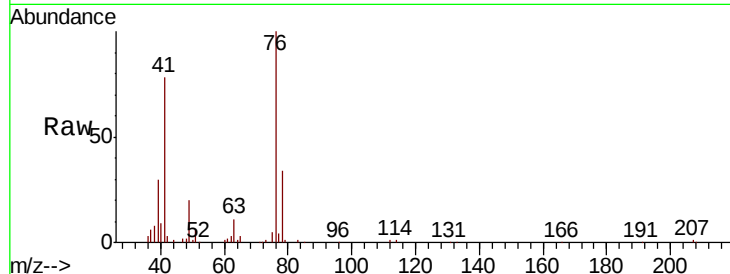
#57
 1,3-Dichloropropane
 Concen: 21.841 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion: 76 Resp: 405867
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.2 39.2

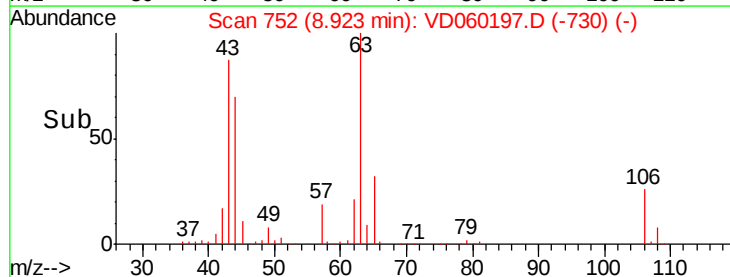
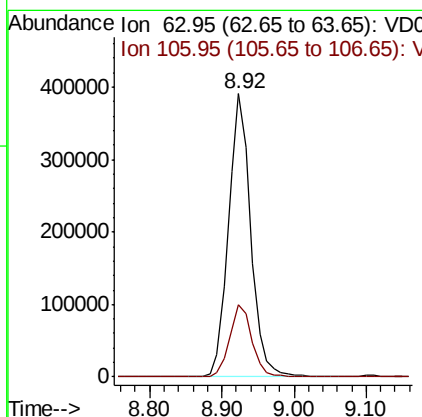
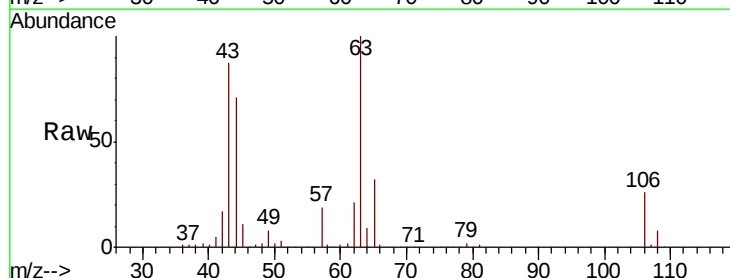
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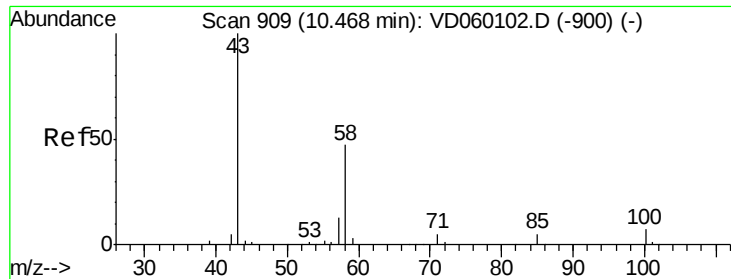
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.268 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 63 Resp: 838523
 Ion Ratio Lower Upper
 63 100
 106 25.7 22.6 34.0





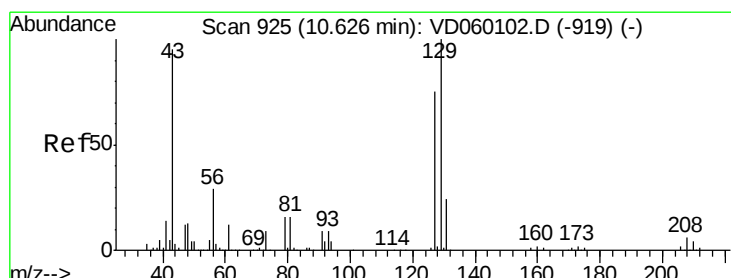
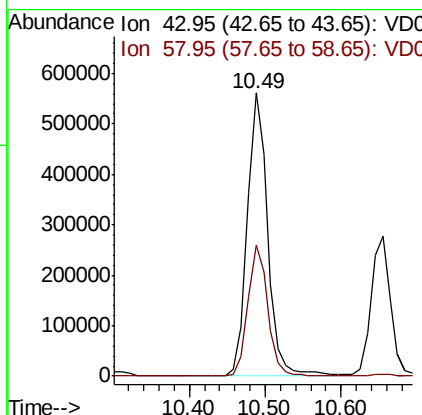
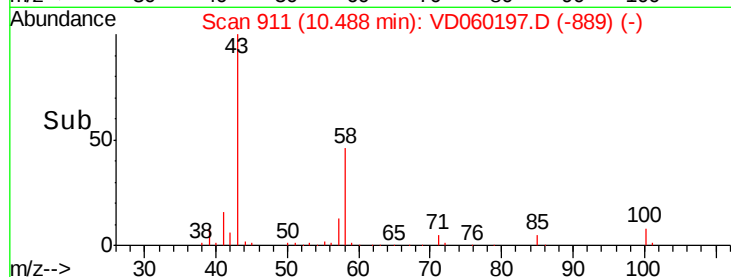
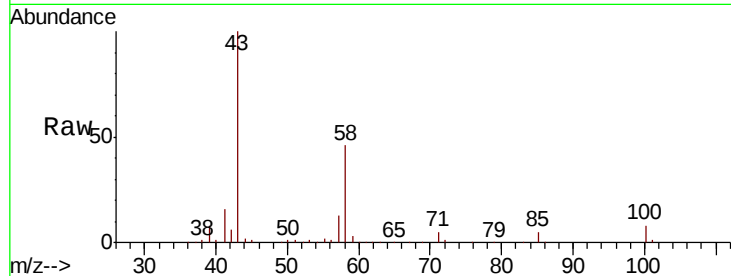
#59
2-Hexanone
Concen: 120.317 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 43 Resp: 1054130
Ion Ratio Lower Upper
43 100
58 46.3 23.3 69.9

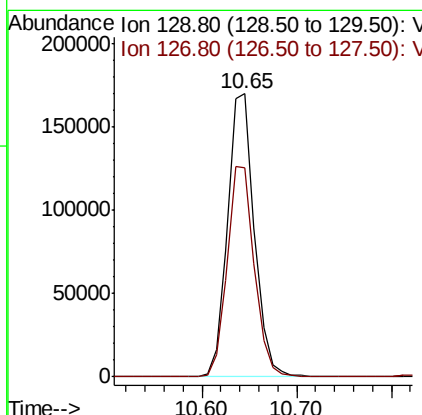
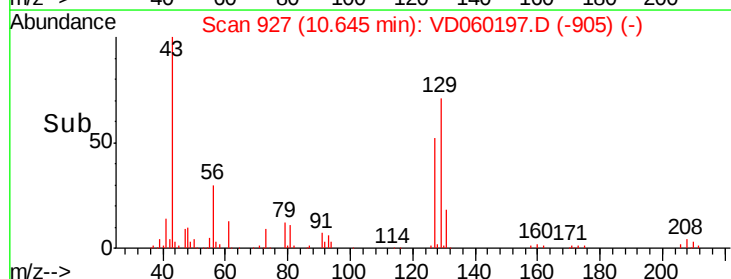
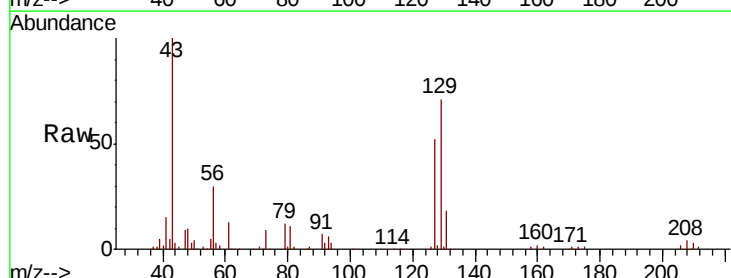
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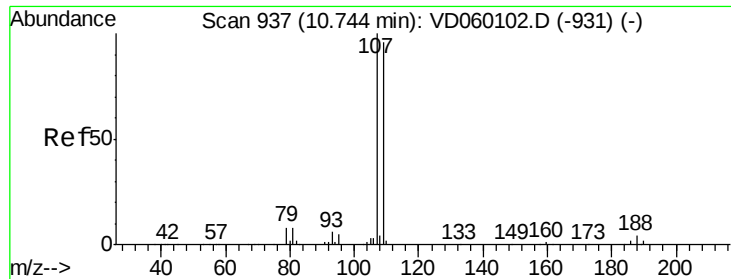
apatel
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#60
Dibromochloromethane
Concen: 22.233 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 129 Resp: 332384
Ion Ratio Lower Upper
129 100
127 73.9 37.4 112.2





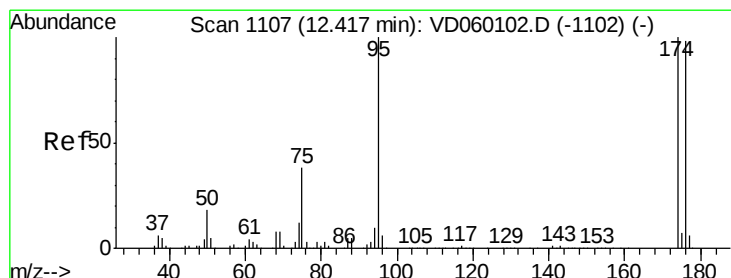
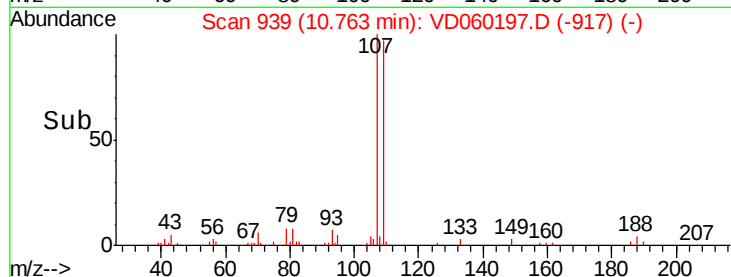
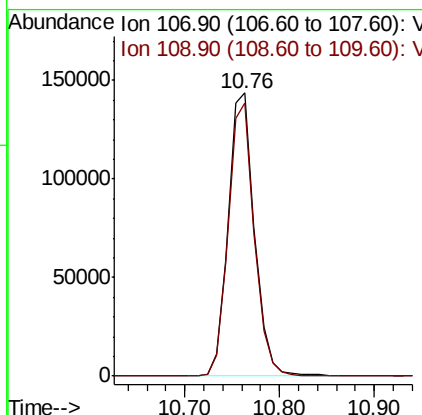
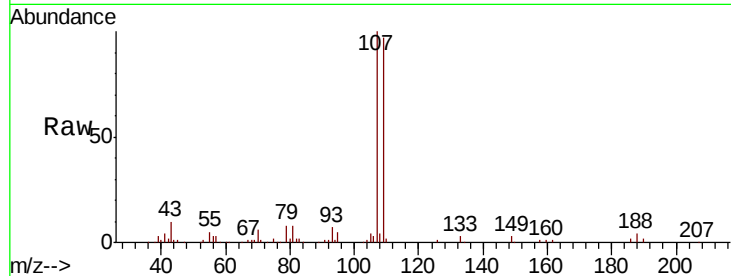
#61
 1,2-Dibromoethane
 Concen: 21.213 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	77.1	115.7

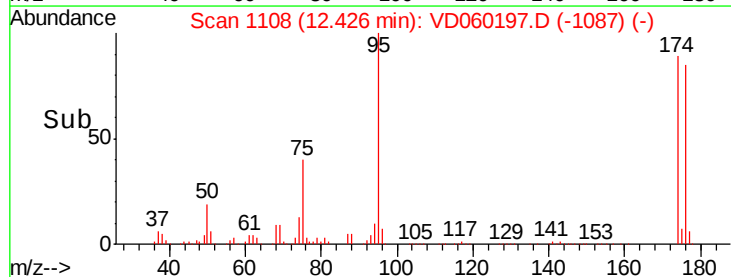
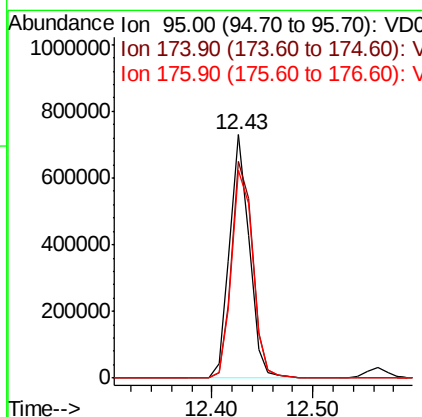
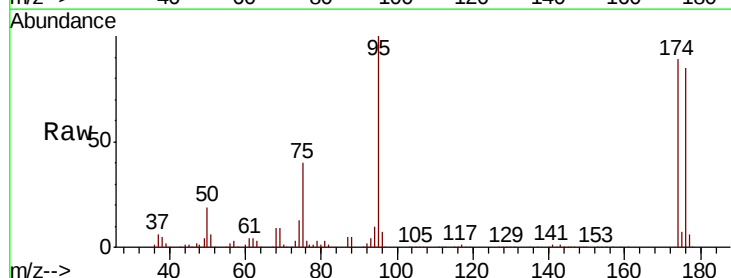
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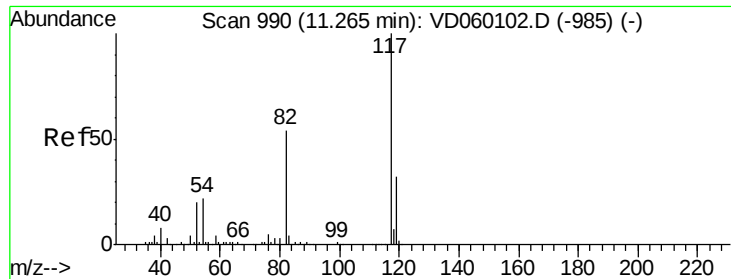
apatel
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#62
 4-Bromofluorobenzene
 Concen: 21.213 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	200.2
176	85.5	0.0	195.6





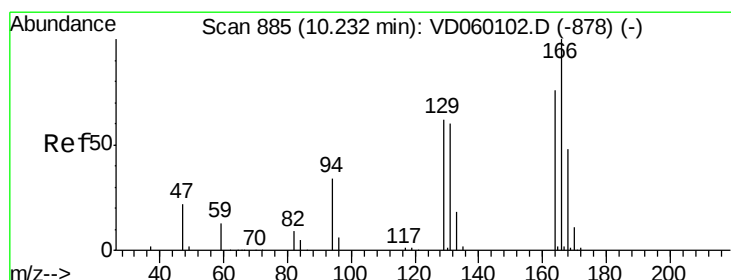
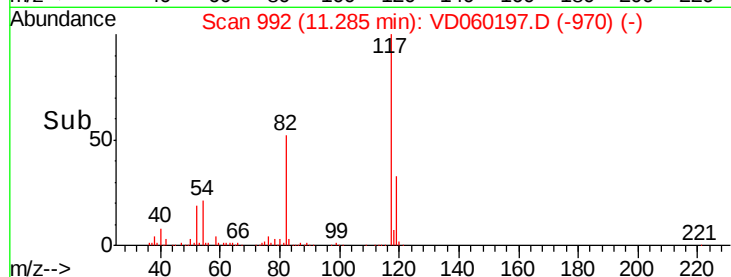
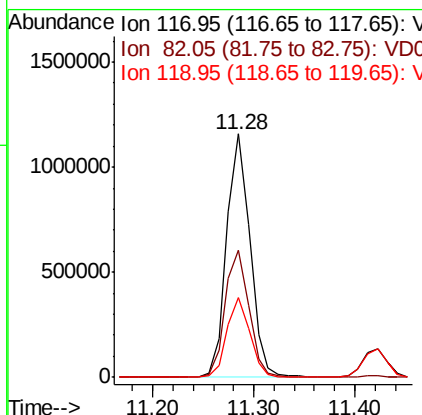
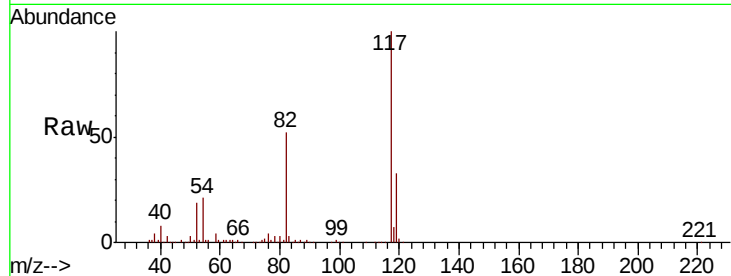
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion:117 Resp: 1864011
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.2
119 33.0 26.0 39.0

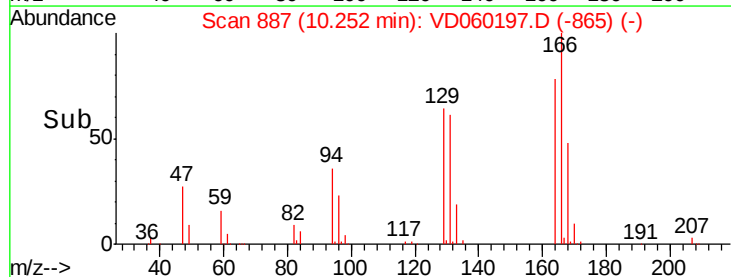
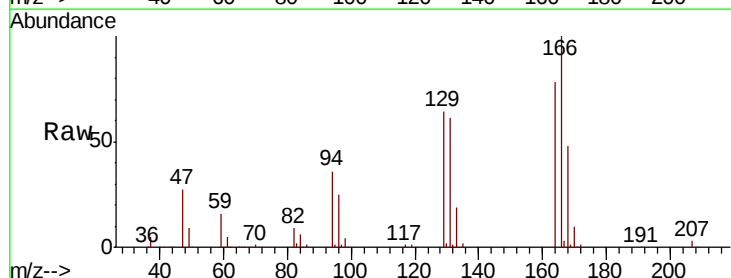
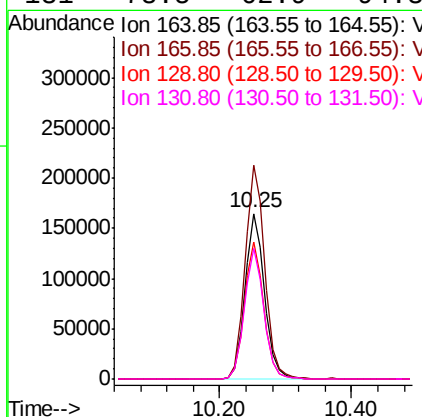
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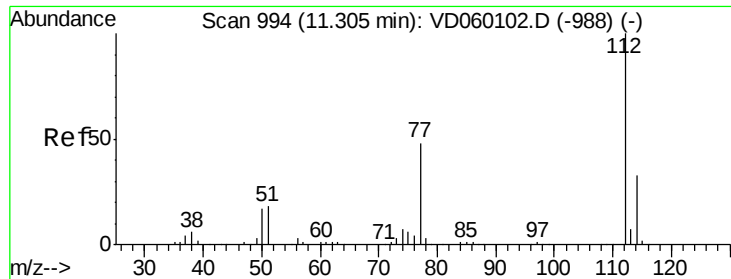
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#64
Tetrachloroethene
Concen: 20.961 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion:164 Resp: 342212
Ion Ratio Lower Upper
164 100
166 128.9 105.4 158.0
129 82.6 65.7 98.5
131 78.5 62.9 94.3





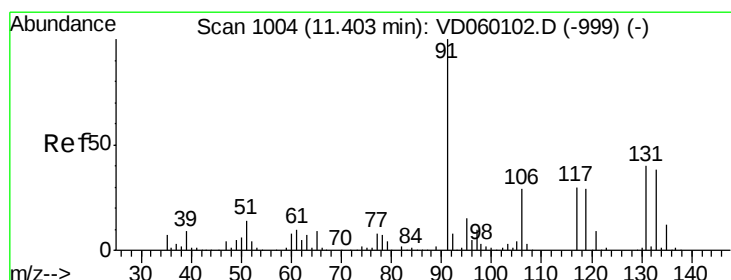
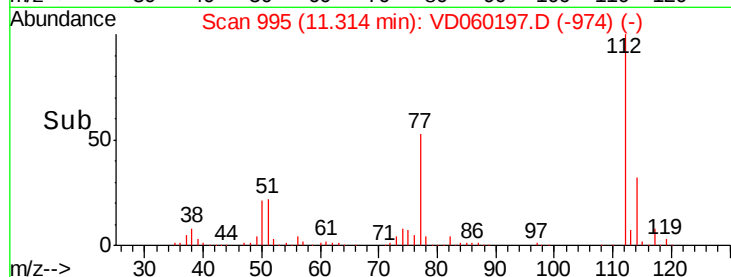
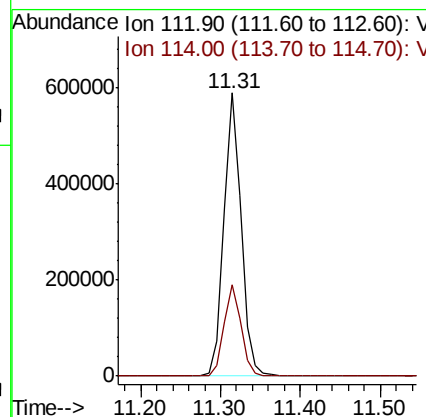
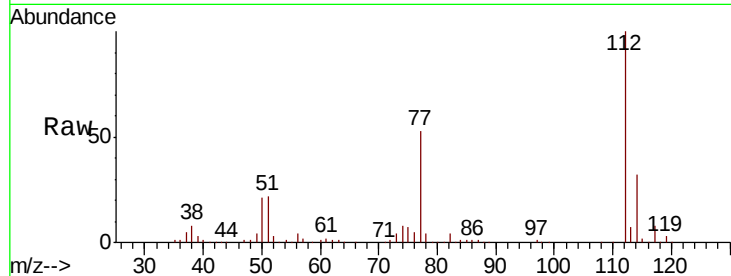
#65
Chlorobenzene
Concen: 22.513 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion:112 Resp: 907865
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

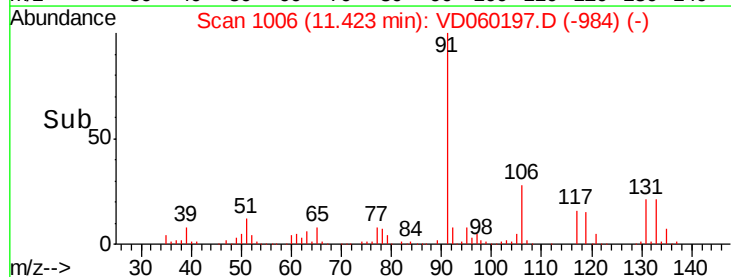
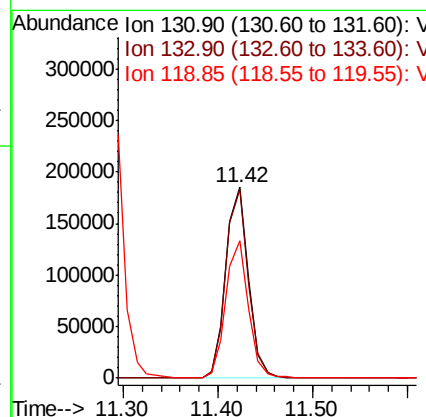
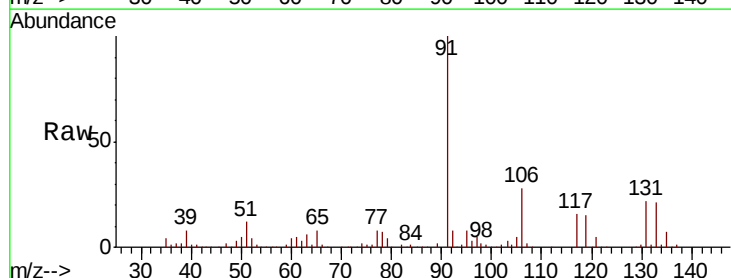
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.947 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion:131 Resp: 308697
Ion Ratio Lower Upper
131 100
133 98.7 47.4 142.3
119 71.9 36.1 108.3





#67

Ethyl Benzene

Concen: 23.905 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampled :

VD1025SBS01

Tot Ion: 91 Resp: 1561808

Ion Ratio Lower Upper

91 100

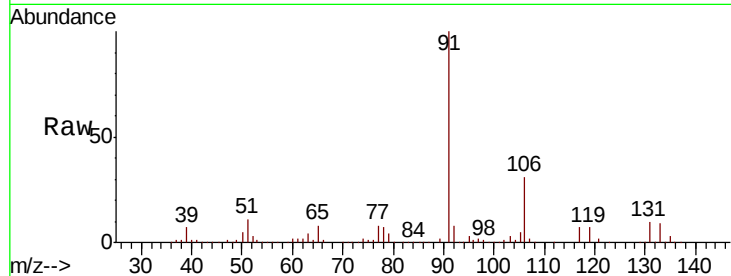
106 30.9 24.4 36.6

Manual Integrations

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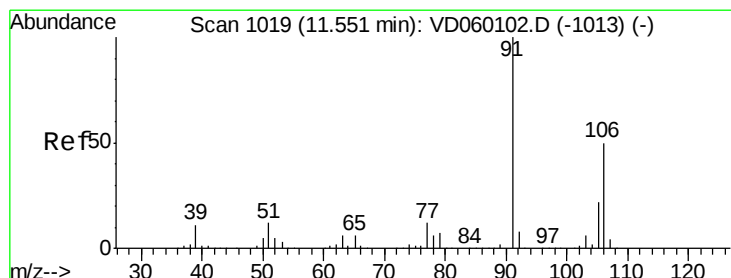
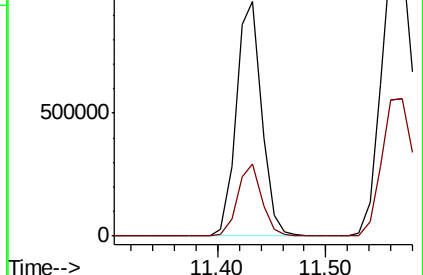
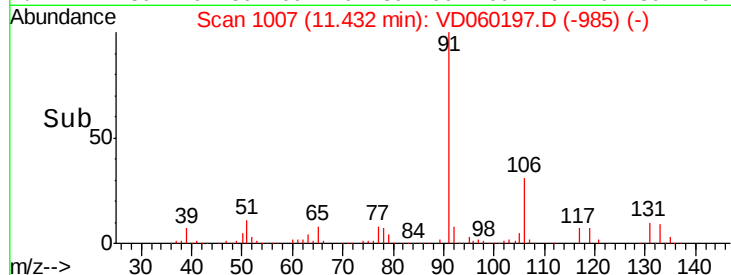


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

11.43

11.50



#68

m/p-Xylenes

Concen: 46.863 ug/l

RT: 11.57 min Scan# 1021

Delta R.T. 0.02 min

Lab File: VD060197.D

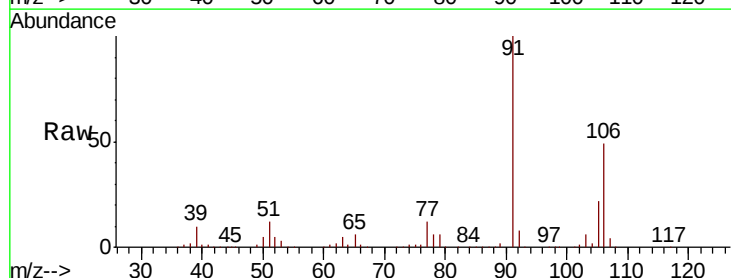
Acq: 25 Oct 2018 16:14

Tgt Ion:106 Resp: 1143999

Ion Ratio Lower Upper

106 100

91 205.1 160.0 240.0

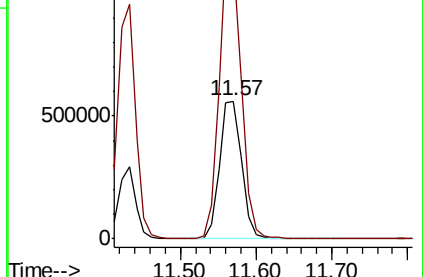
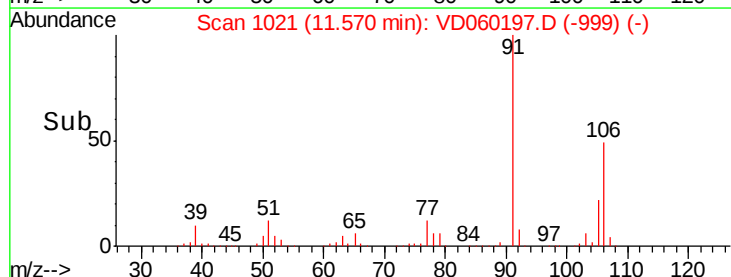


Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

11.57

11.70





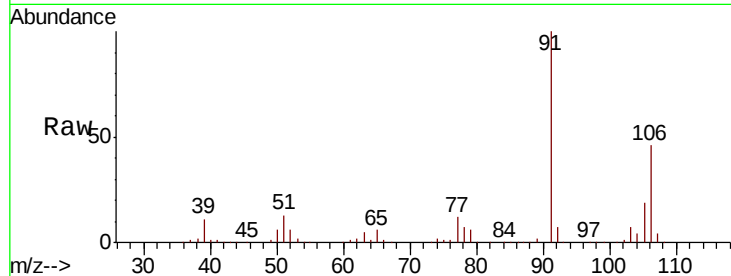
#69
o-Xylene
Concen: 22.236 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

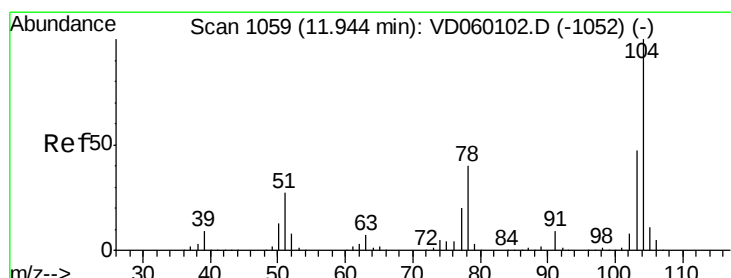
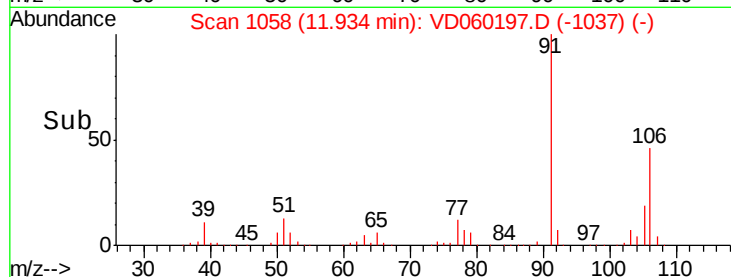
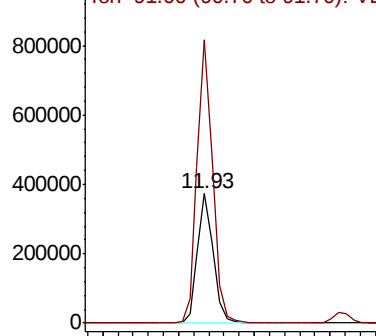
Tot Ion:106 Resp: 536907
Ion Ratio Lower Upper
106 100
91 218.5 102.5 307.5

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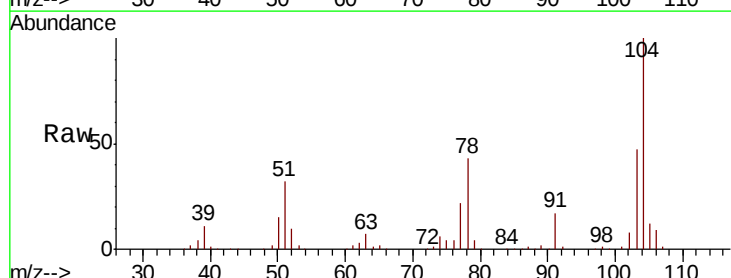


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

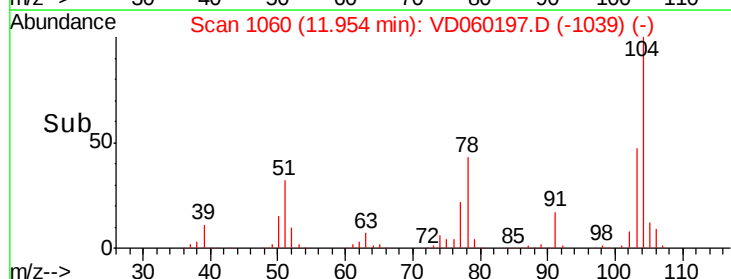
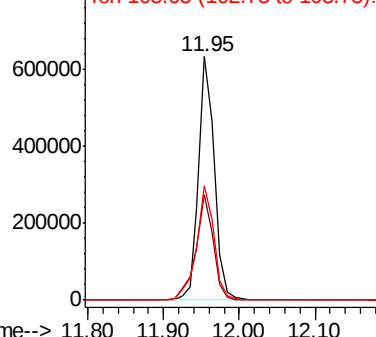


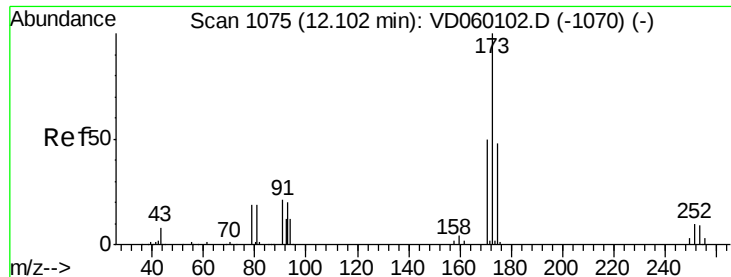
#70
Styrene
Concen: 22.571 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion:104 Resp: 911419
Ion Ratio Lower Upper
104 100
78 43.4 32.2 48.4
103 47.2 37.4 56.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





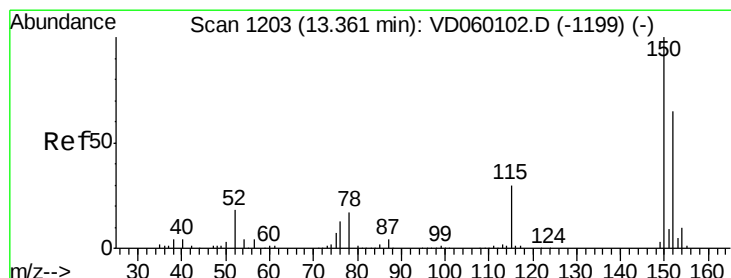
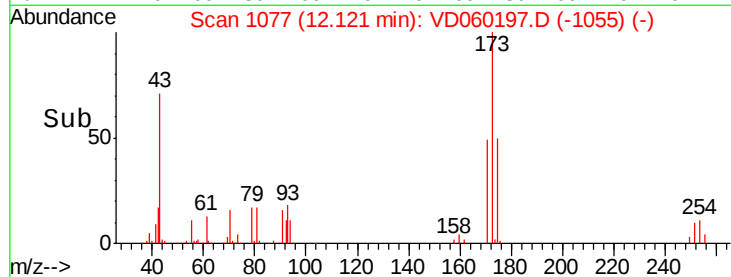
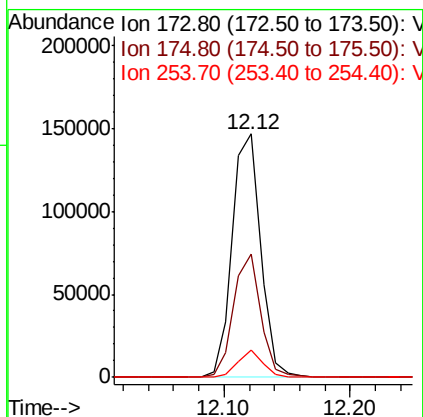
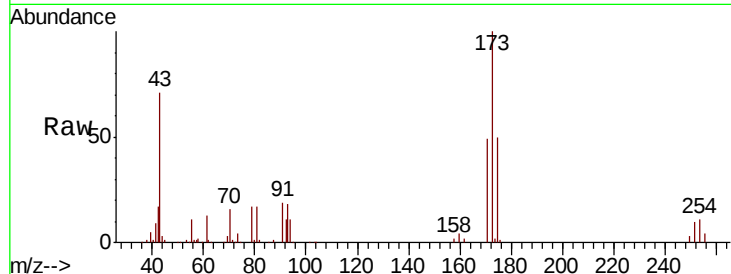
#71
Bromoform
Concen: 20.901 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.1	72.4
254	11.0	7.4	11.0

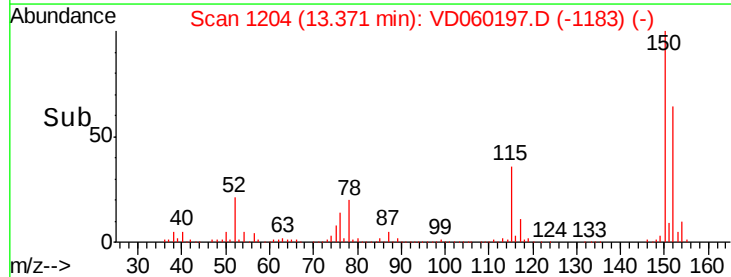
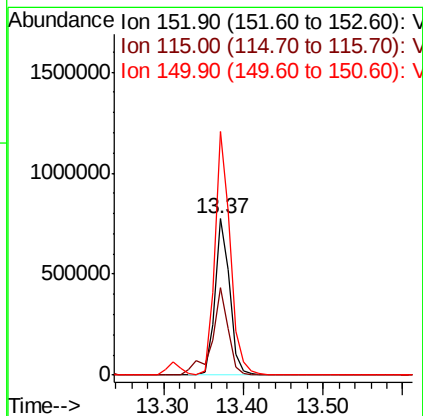
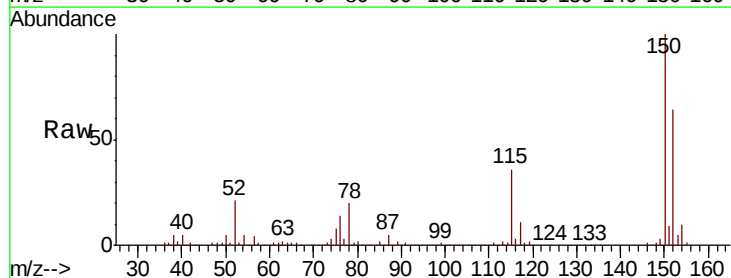
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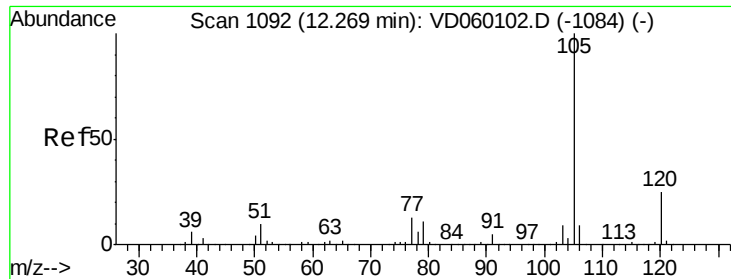
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.1	81.2
150	155.8	0.0	311.8





#73

Isopropylbenzene

Concen: 22.447 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:105 Resp: 1492791

Ion Ratio Lower Upper

105 100

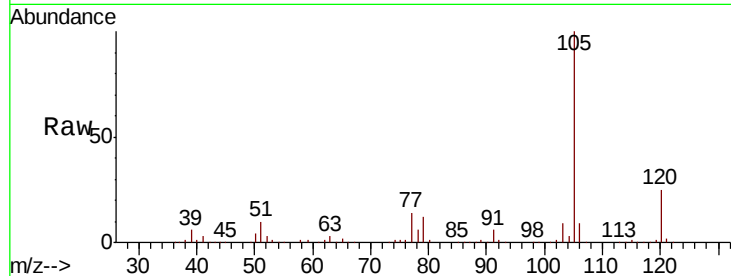
120 24.5 12.6 37.6

Manual Integrations

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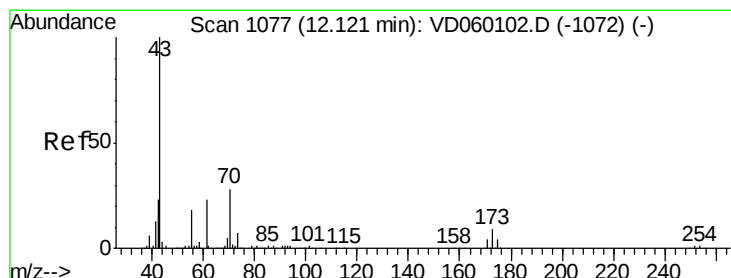
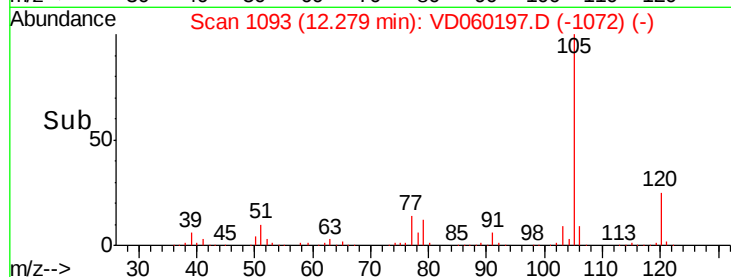
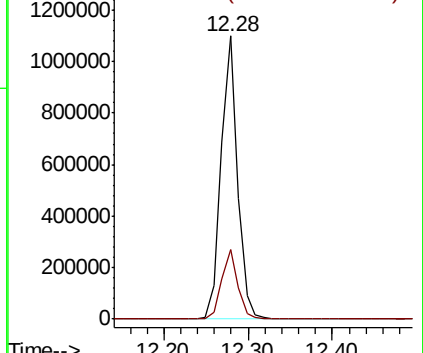
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.524 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion: 43 Resp: 524295

Ion Ratio Lower Upper

43 100

70 26.1 22.1 33.1

55 17.0 14.1 21.1

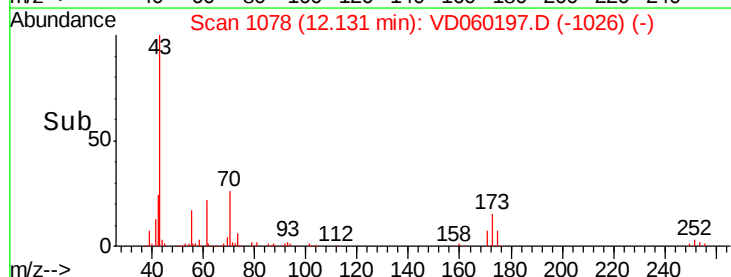
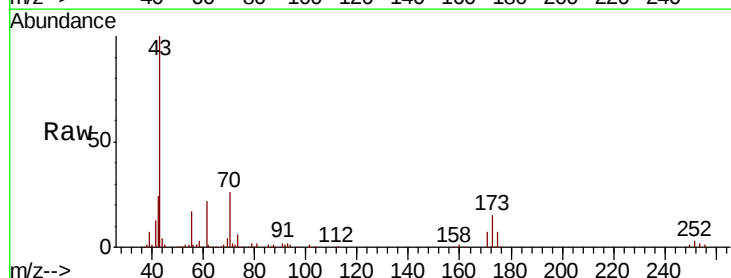
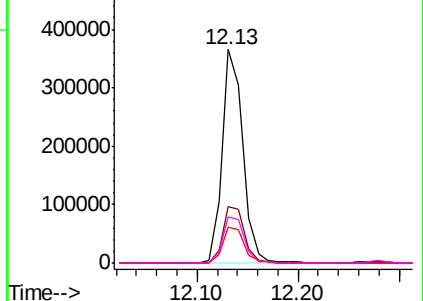
61 21.8 18.4 27.6

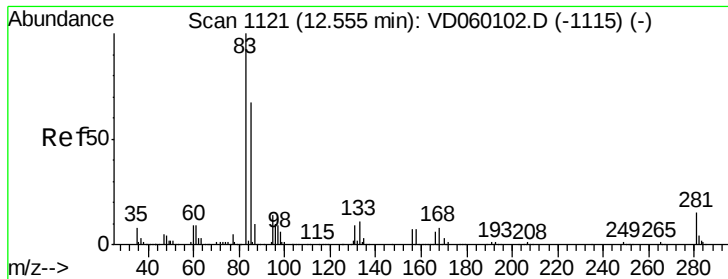
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.527 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

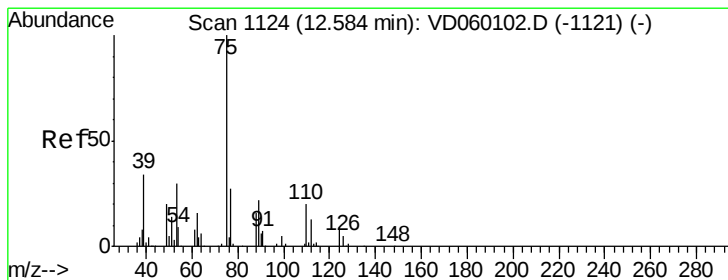
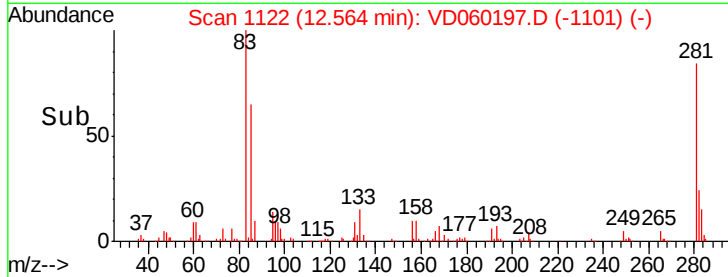
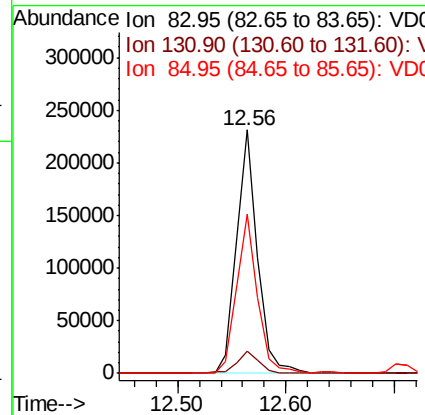
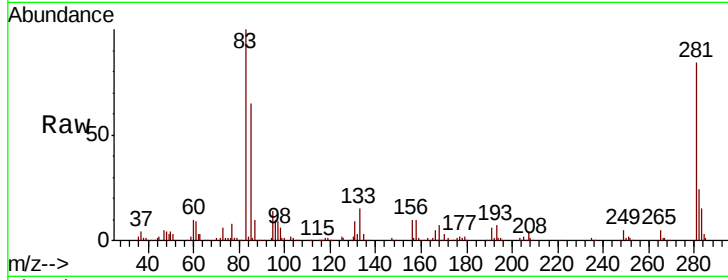
ClientSampleId :

VD1025SBS01

Tot Ion:	83	Resp:	312534
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.4
85	65.4	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 21.448 ug/l

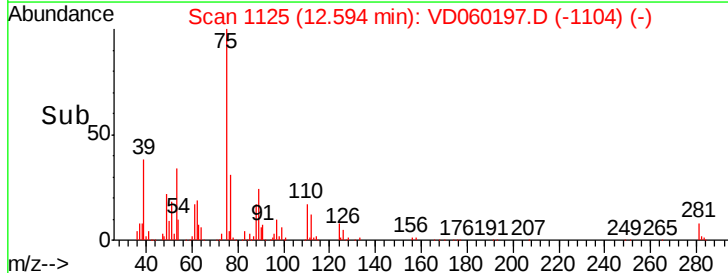
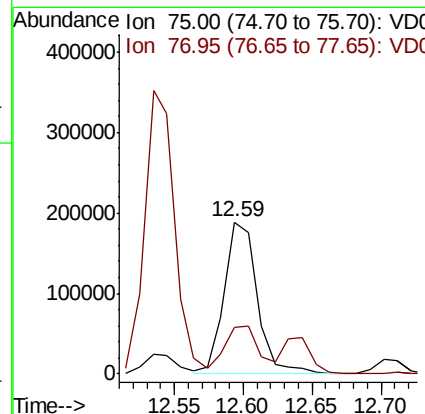
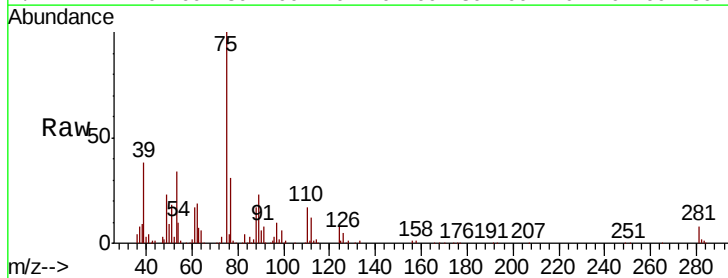
RT: 12.59 min Scan# 1125

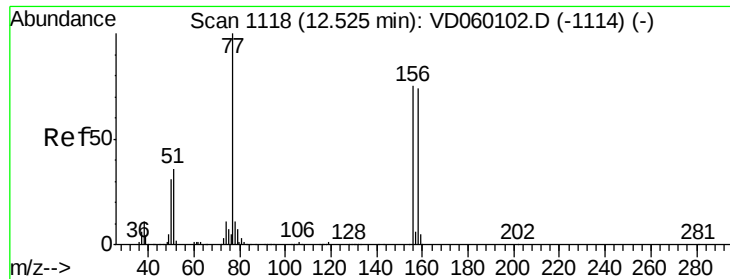
Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion:	75	Resp:	311353
Ion Ratio	Lower	Upper	
75	100		
77	31.0	16.3	48.9





#77

Bromobenzene

Concen: 21.768 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

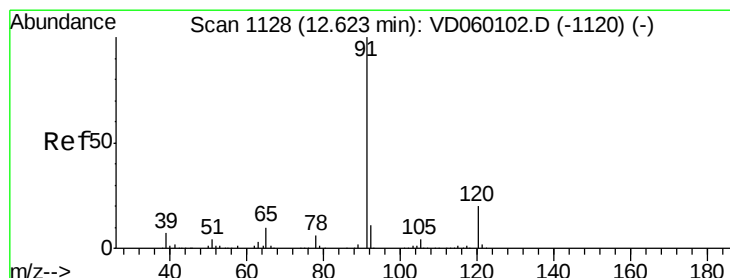
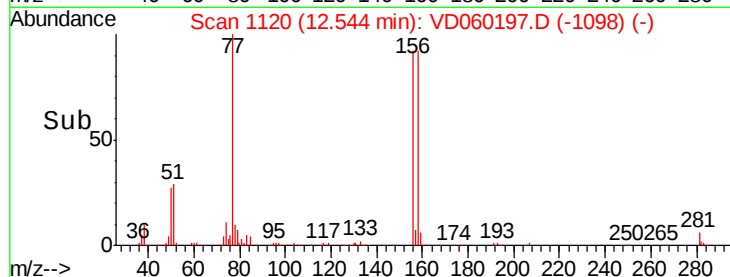
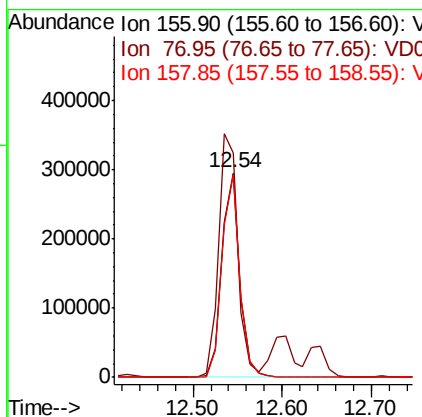
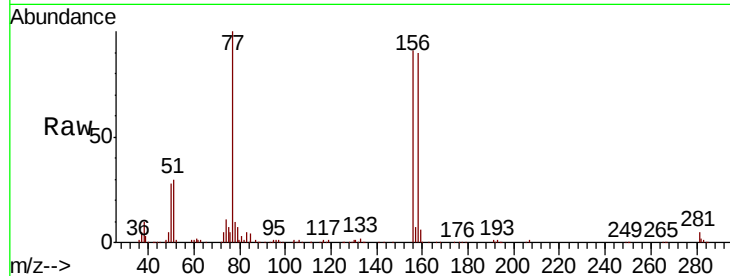
ClientSampleId :

VD1025SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		420664		
77	110.0	66.9	200.7		
158	99.2	49.1	147.4		

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#78

n-propylbenzene

Concen: 22.533 ug/l

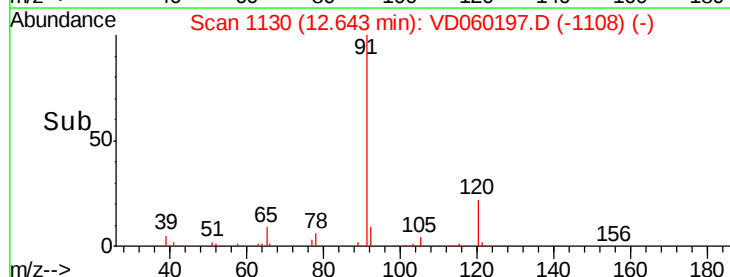
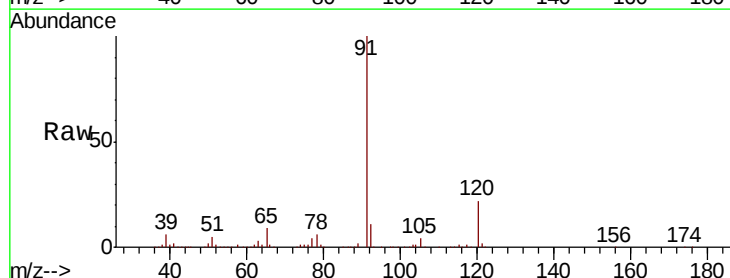
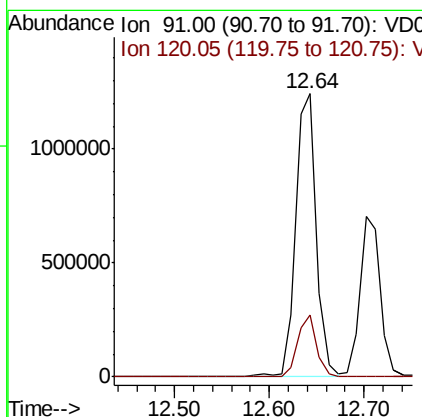
RT: 12.64 min Scan# 1130

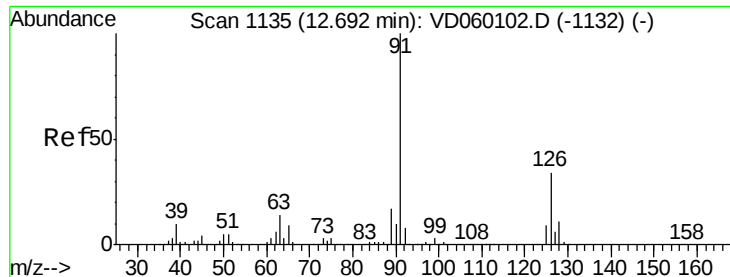
Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1860702		
120	22.0	10.0	30.0		





#79

2-Chlorotoluene

Concen: 22.494 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 91 Resp: 1030891

Ion Ratio Lower Upper

91 100

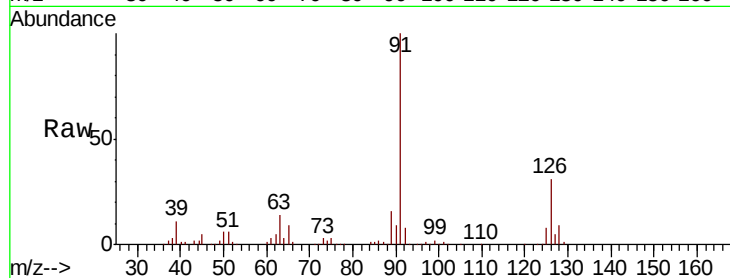
126 30.8 16.8 50.3

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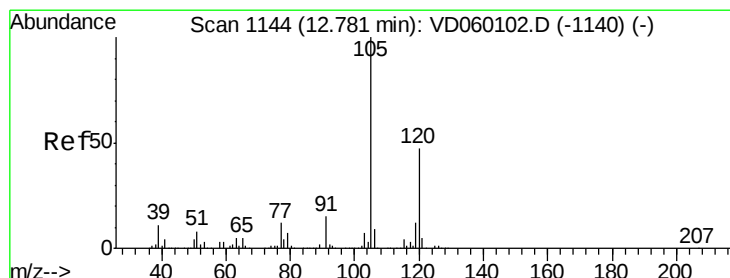
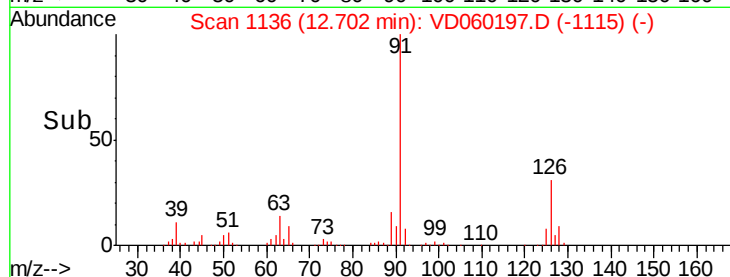
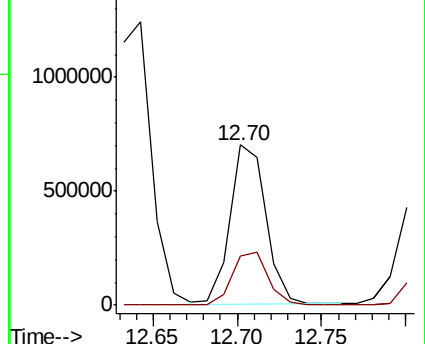
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.831 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060197.D

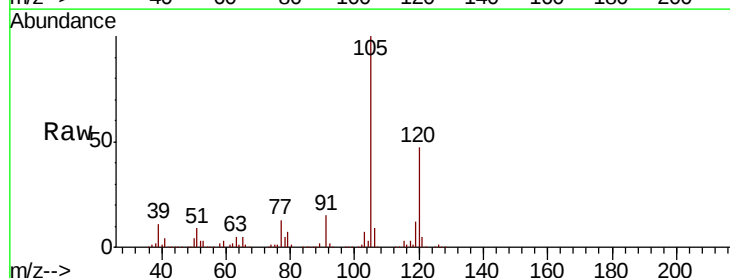
Acq: 25 Oct 2018 16:14

Tgt Ion:105 Resp: 1175098

Ion Ratio Lower Upper

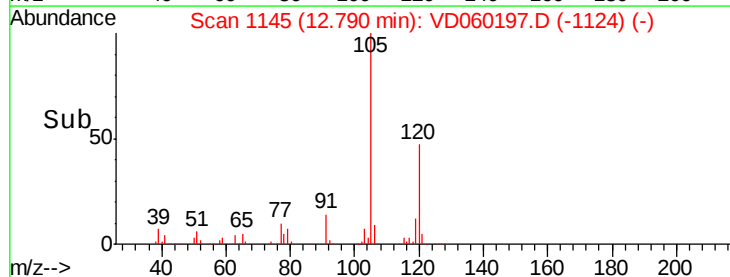
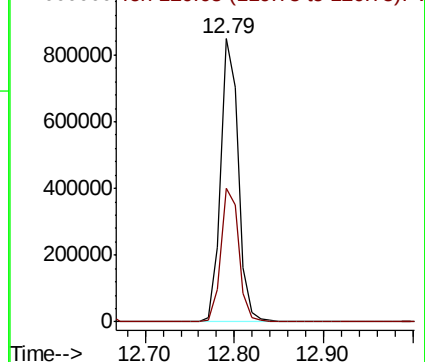
105 100

120 47.3 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.969 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 75 Resp: 85533

Ion Ratio Lower Upper

75 100

53 91.8 73.0 109.6

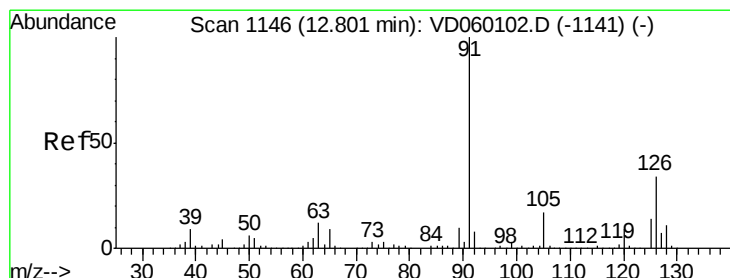
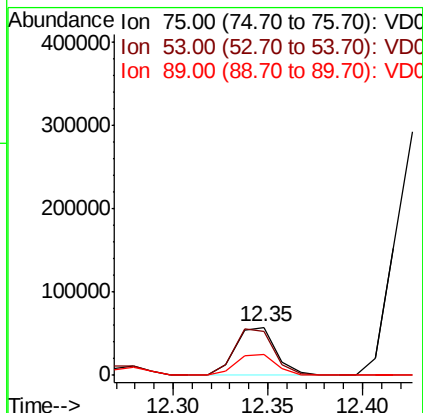
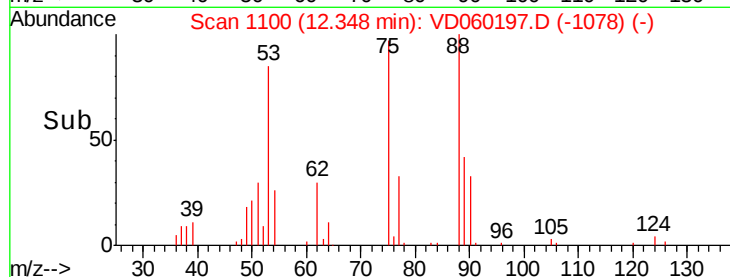
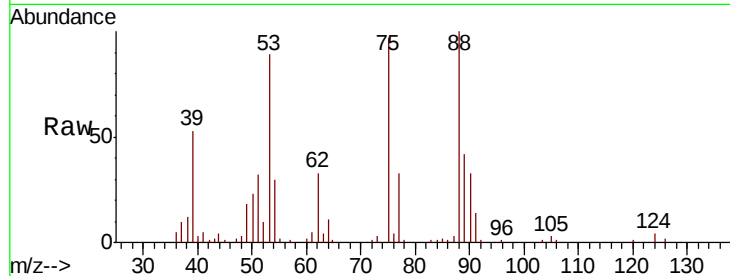
89 43.2 32.0 48.0

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#82

4-Chlorotoluene

Concen: 23.183 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060197.D

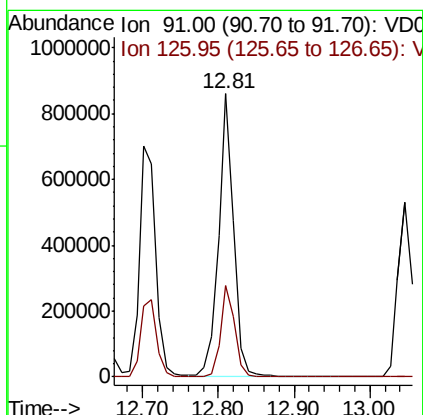
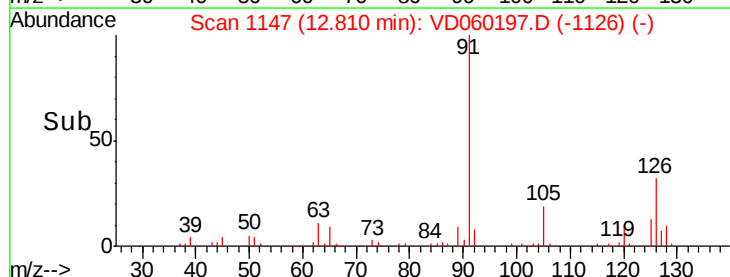
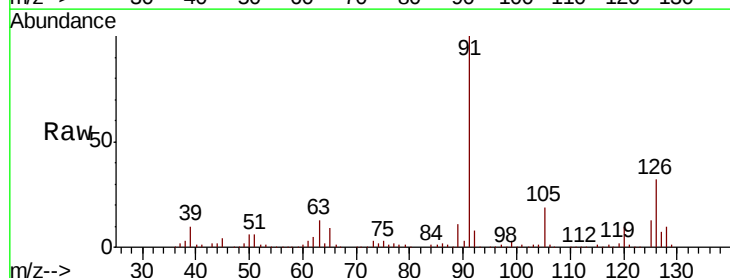
Acq: 25 Oct 2018 16:14

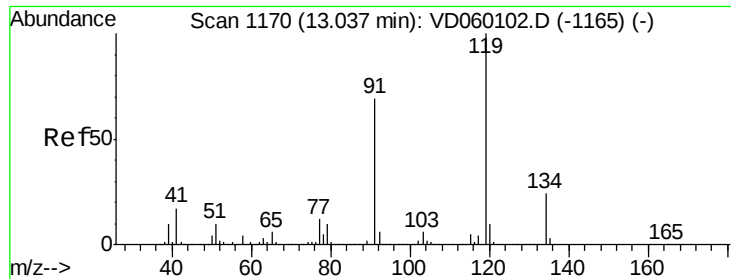
Tgt Ion: 91 Resp: 1201720

Ion Ratio Lower Upper

91 100

126 32.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 22.968 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleID :

VD1025SBS01

Tot Ion:119 Resp: 1356542

Ion Ratio Lower Upper

119 100

91 70.8 34.8 104.4

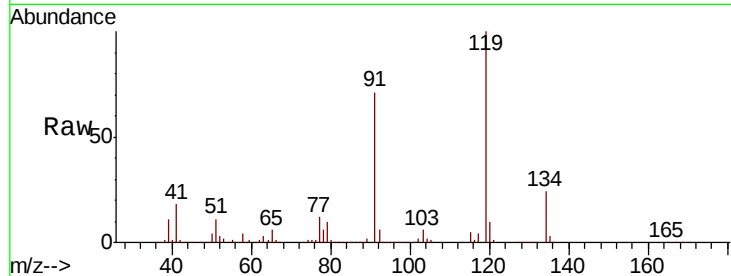
134 23.6 11.8 35.4

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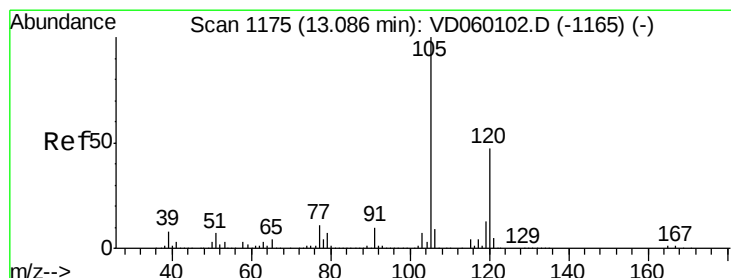
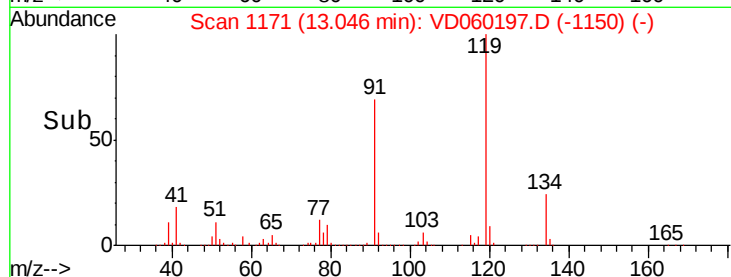
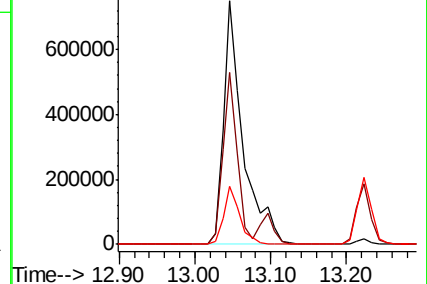
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.741 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VD060197.D

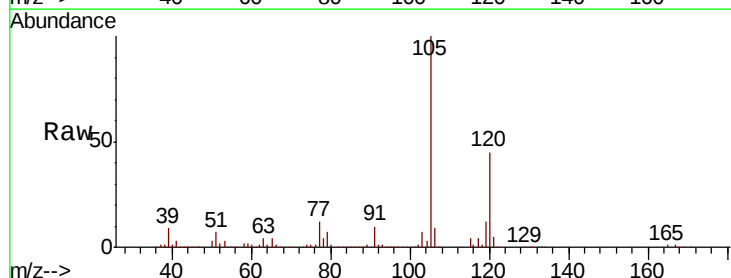
Acq: 25 Oct 2018 16:14

Tgt Ion:105 Resp: 1233573

Ion Ratio Lower Upper

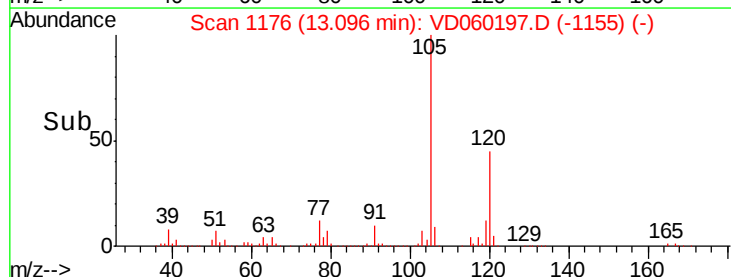
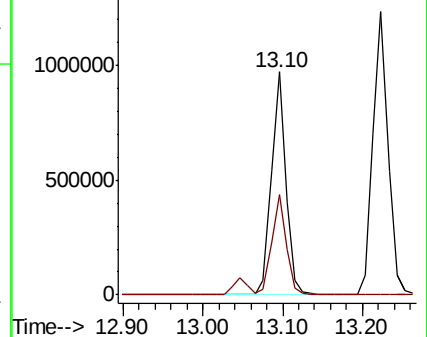
105 100

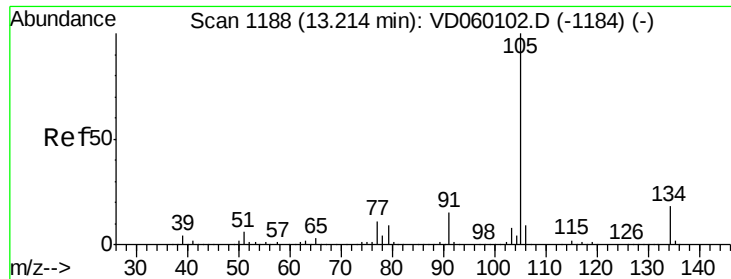
120 45.3 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





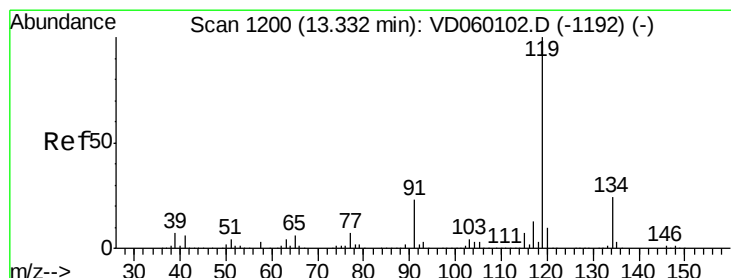
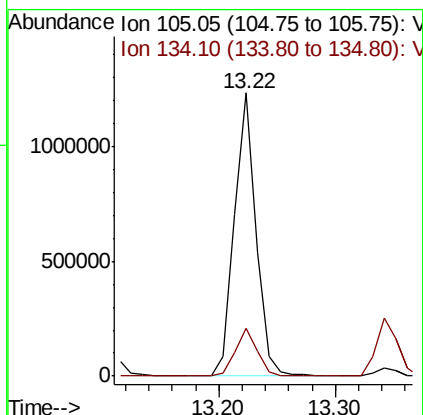
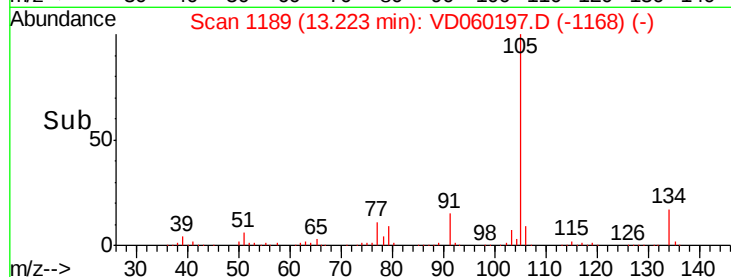
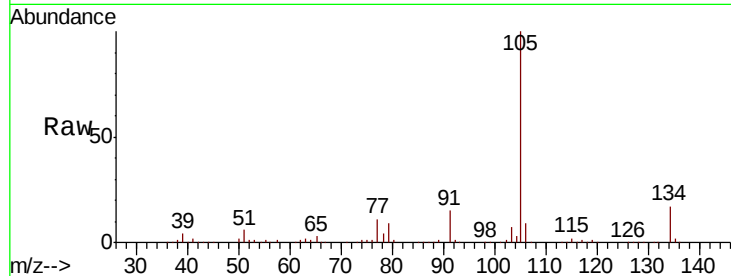
#85
 sec-Butylbenzene
 Concen: 22.551 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1025SBS01

Tot Ion:105 Resp: 1574815
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.8 26.2

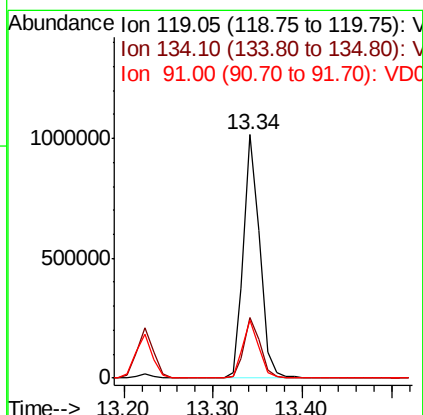
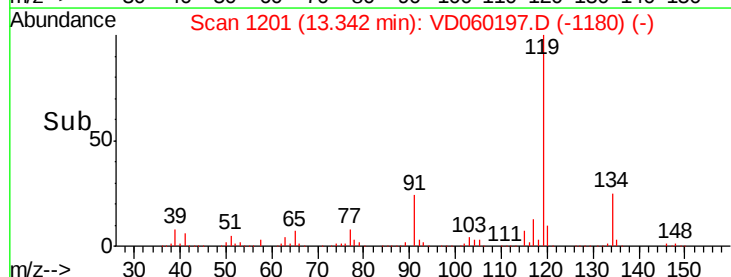
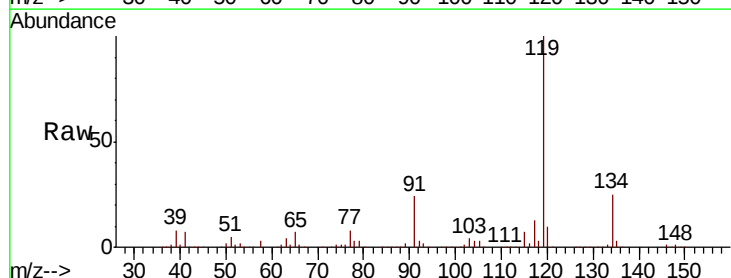
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#86
 p-Isopropyltoluene
 Concen: 22.482 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion:119 Resp: 1287762
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 23.9 11.8 35.4





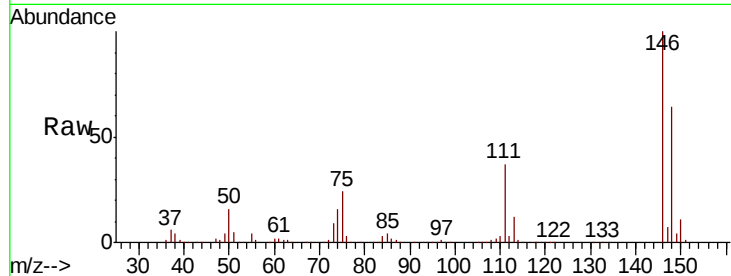
#87
 1,3-Dichlorobenzene
 Concen: 22.296 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.3
148	63.6	32.3	96.9

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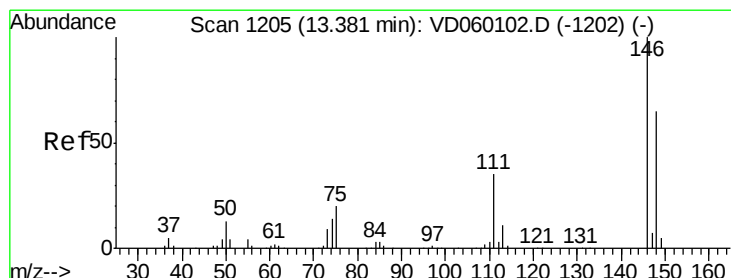
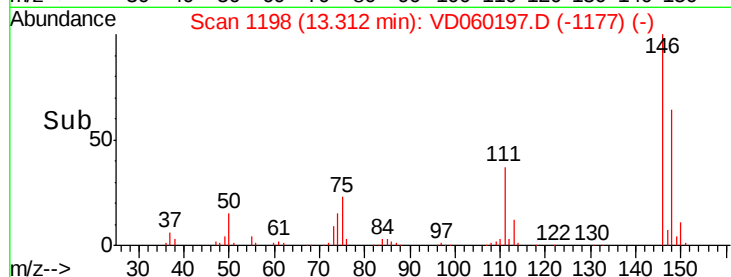
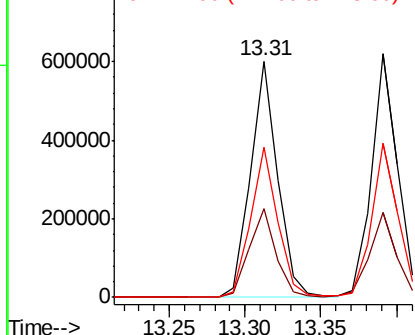


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 22.173 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

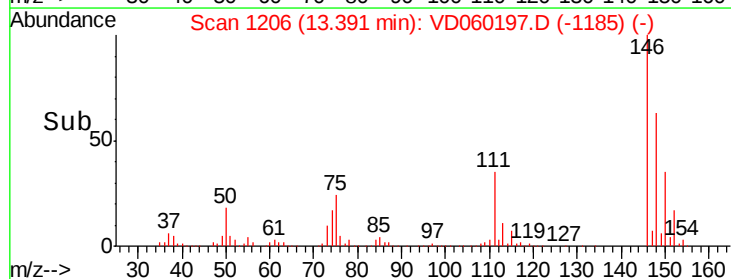
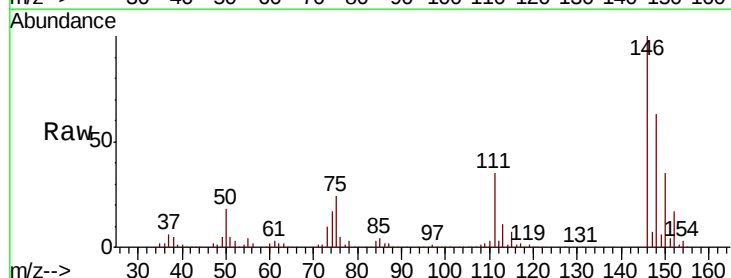
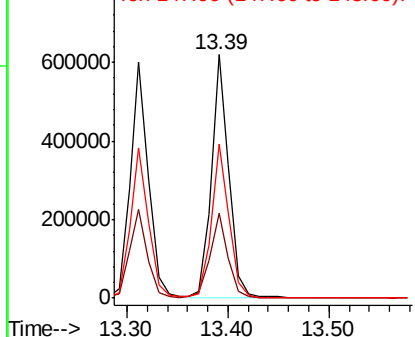
Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	17.8	53.3
148	63.0	32.4	97.2

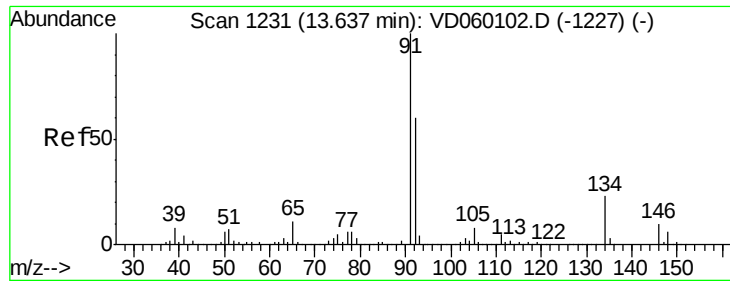
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





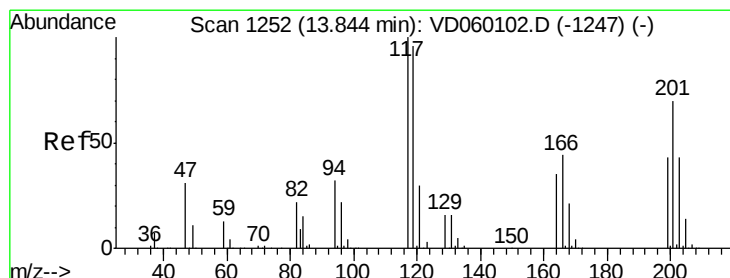
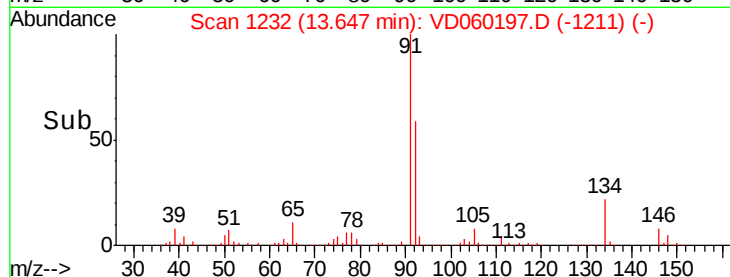
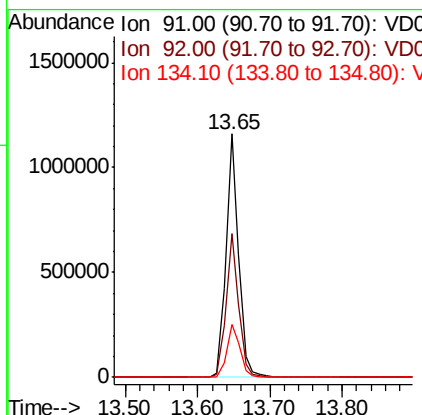
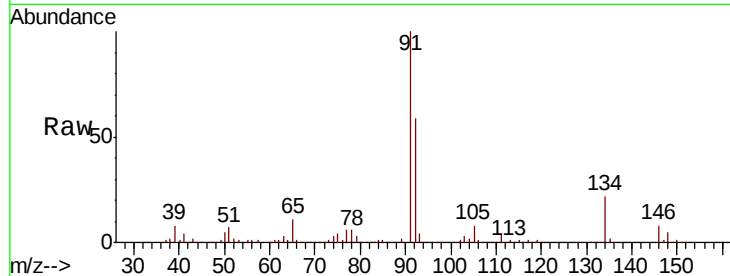
#89
n-Butylbenzene
Concen: 24.815 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 91 Resp: 1386931
Ion Ratio Lower Upper
91 100
92 58.9 30.1 90.3
134 21.8 11.6 34.7

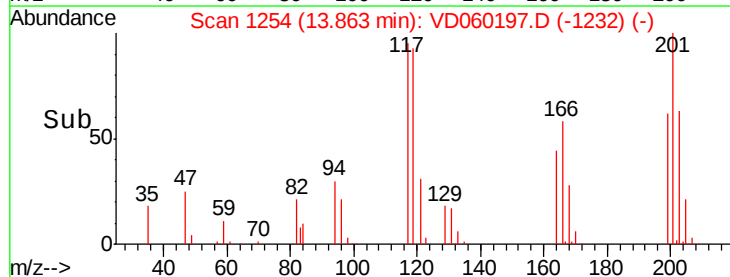
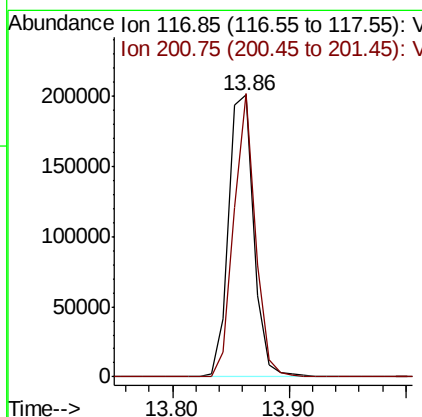
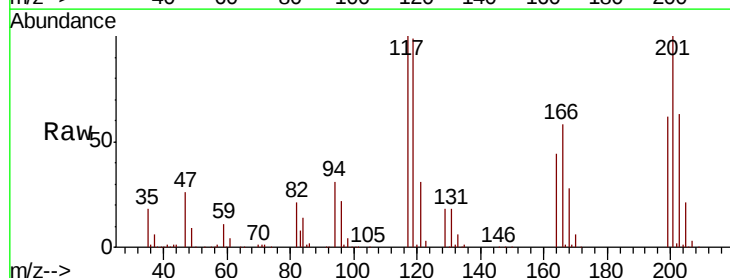
Manual Integrations
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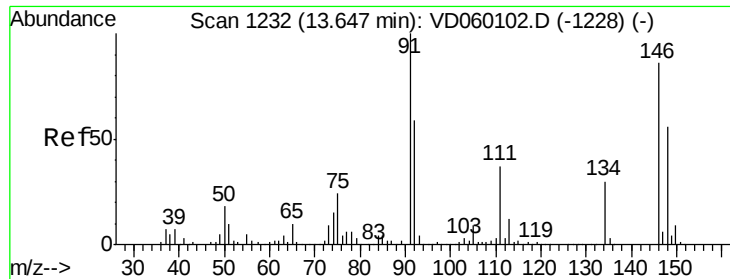
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#90
Hexachloroethane
Concen: 22.736 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 117 Resp: 301395
Ion Ratio Lower Upper
117 100
201 100.5 34.8 104.5





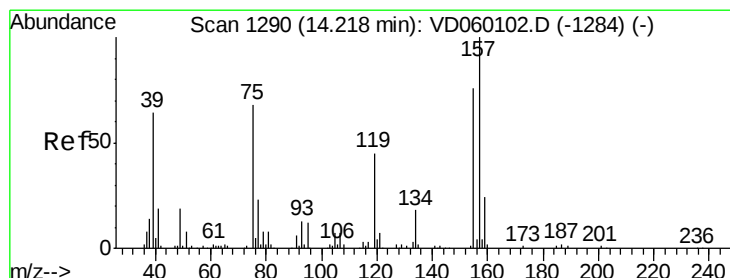
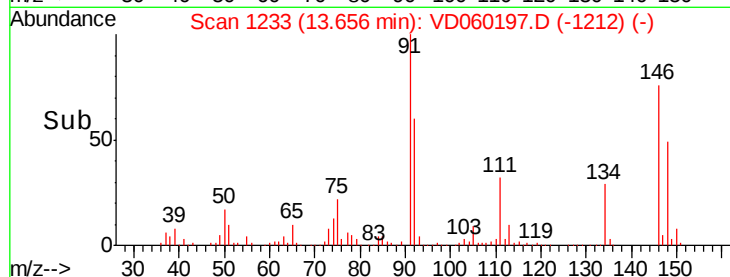
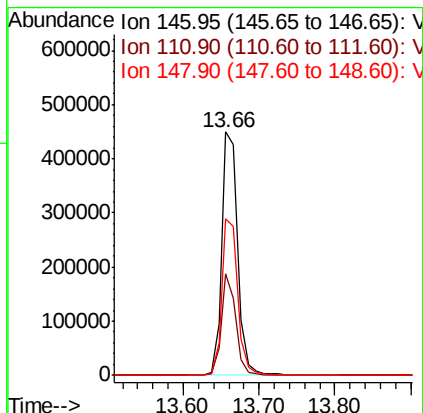
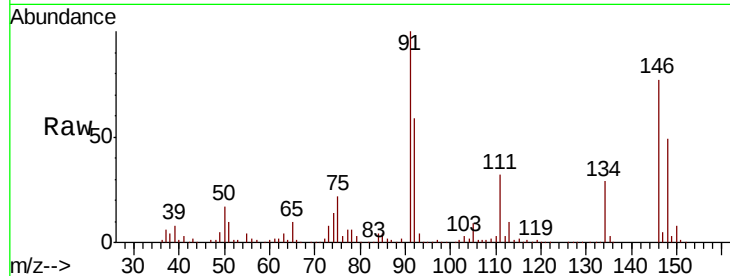
#91
 1,2-Dichlorobenzene
 Concen: 23.328 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.3
148	64.5	32.2	96.6

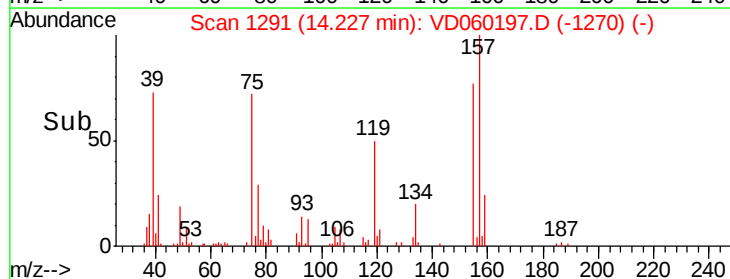
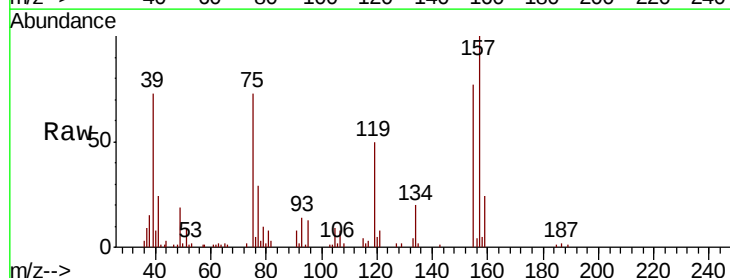
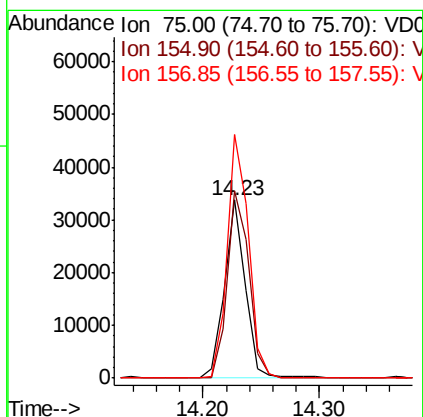
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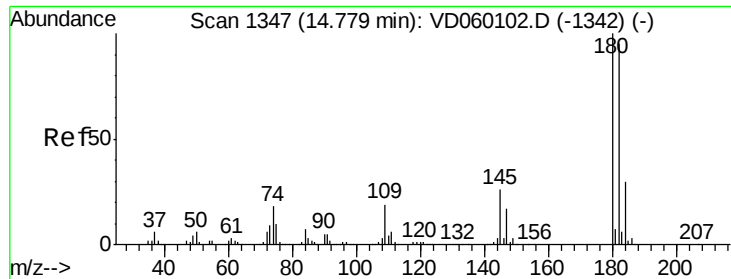
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.499 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.0	55.9	167.7
157	136.6	73.3	219.8





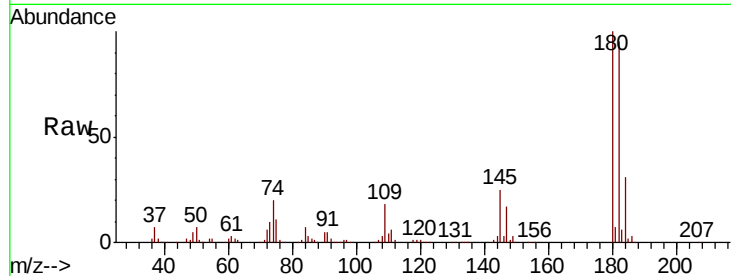
#93
 1,2,4-Trichlorobenzene
 Concen: 21.521 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

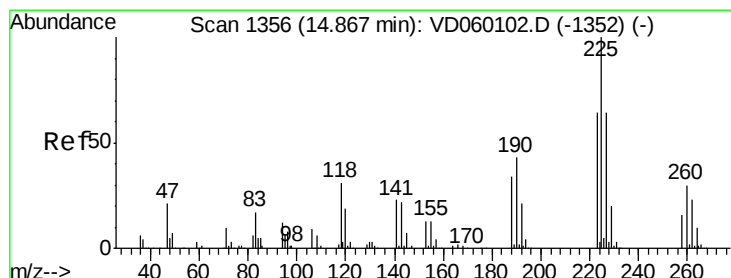
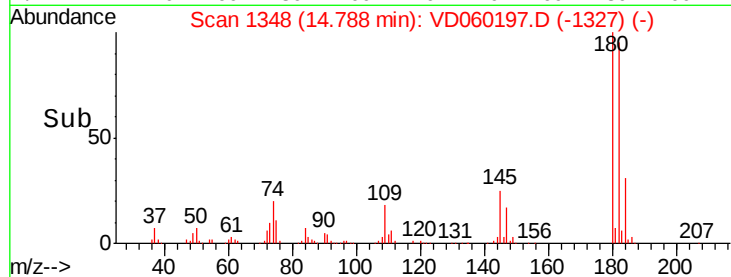
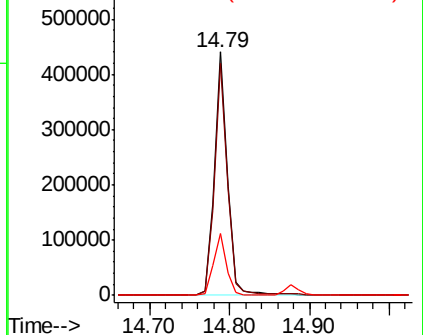
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.8
145	25.3	13.0	38.9

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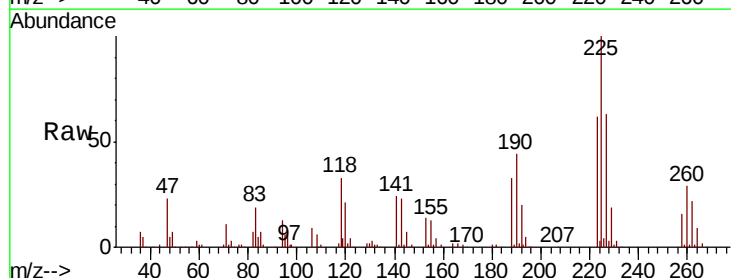


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

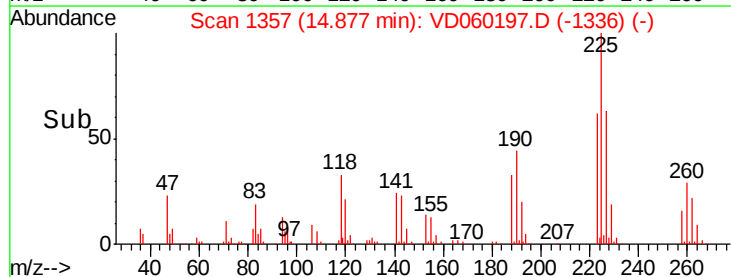
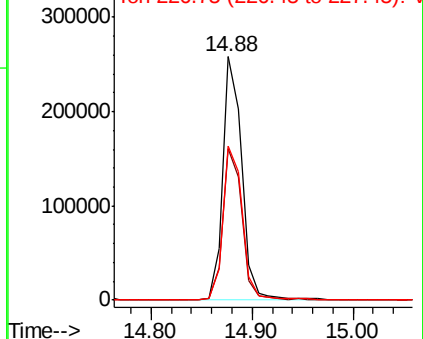


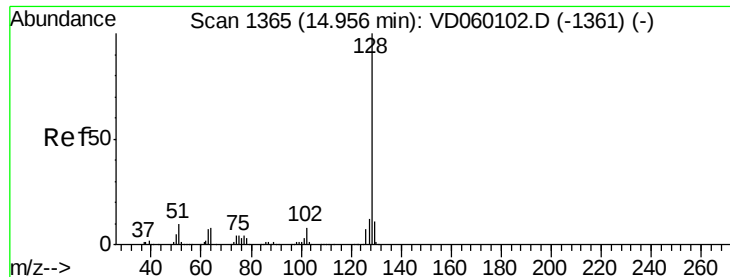
#94
 Hexachlorobutadiene
 Concen: 21.440 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.8	95.4
227	63.0	32.0	96.0



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





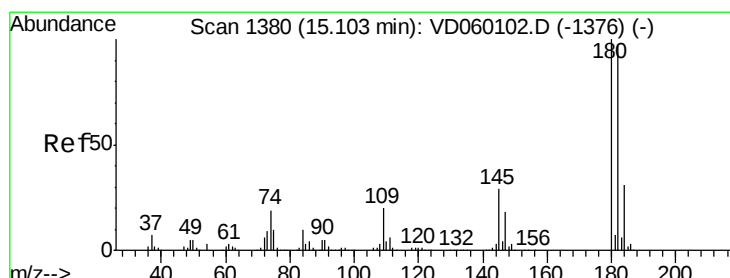
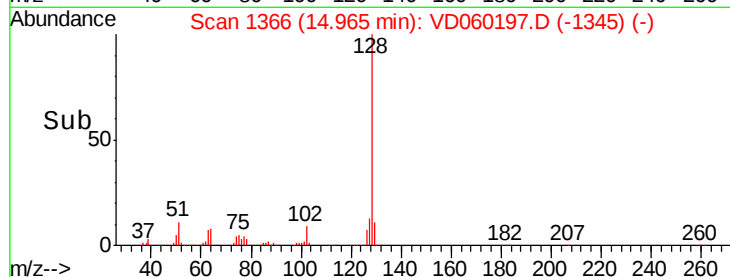
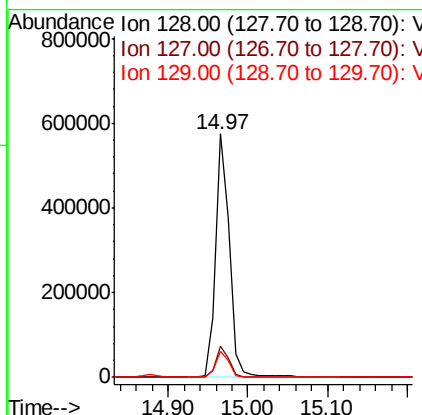
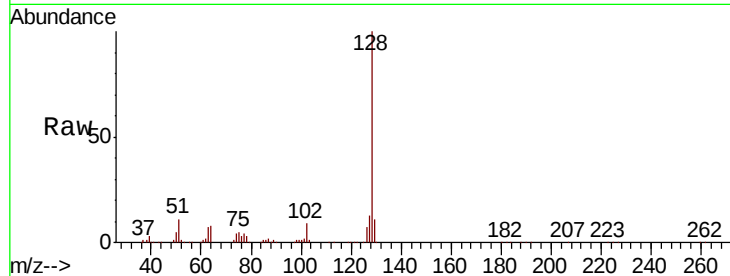
#95
Naphthalene
Concen: 19.941 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	710264		
127	12.5		9.9	14.9
129	10.6		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 20.409 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	426618		
182	95.7		48.4	145.0
145	28.8		14.5	43.6

