

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060169.D
 Acq On : 10 Oct 2018 12:17
 Operator : VA/AP
 Sample : VD1010SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Manual Integrations
 APPROVED

apatel
 10/11/2018 4:24:27 PM

Quant Time: Oct 11 01:22:57 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	6.39	168	1498641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2059151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1670943	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	924960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	613663	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	6.30	113	839029	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	9.44	98	2278603	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.42	95	878163	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	272639m	19.340	ug/l	
3) Chloromethane	1.74	50	267870	21.073	ug/l	99
4) Vinyl Chloride	1.83	62	209330	20.122	ug/l	98
5) Bromomethane	2.12	94	17923	13.721	ug/l	96
6) Chloroethane	2.23	64	46702	16.451	ug/l	92
7) Trichlorofluoromethane	2.48	101	241101	19.356	ug/l	97
8) Diethyl Ether	2.81	74	55840	21.801	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.06	101	159680	20.577	ug/l	100
10) Methyl Iodide	3.22	142	139318	16.929	ug/l	98
11) Tert butyl alcohol	3.96	59	86104	105.686	ug/l	95
12) 1,1-Dichloroethene	3.04	96	130563	21.357	ug/l	90
13) Acrolein	2.96	56	42093	83.812	ug/l	97
14) Allyl chloride	3.51	41	264518	20.833	ug/l	97
15) Acrylonitrile	4.06	53	371122	110.053	ug/l	98
16) Acetone	3.14	43	268086	130.057	ug/l	96
17) Carbon Disulfide	3.29	76	406635	19.780	ug/l	99
18) Methyl Acetate	3.53	43	93828	21.178	ug/l	95
19) Methyl tert-butyl Ether	4.11	73	593563	22.083	ug/l	96
20) Methylene Chloride	3.69	84	593135	35.292	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	328009	20.775	ug/l	95
22) Diisopropyl ether	4.83	45	1247574	22.002	ug/l	96
23) Vinyl Acetate	4.78	43	3649270	114.493	ug/l	99
24) 1,1-Dichloroethane	4.74	63	562727	21.888	ug/l	99
25) 2-Butanone	5.60	43	644146	125.086	ug/l	96
26) 2,2-Dichloropropane	5.56	77	442756	22.717	ug/l	95
27) cis-1,2-Dichloroethene	5.57	96	357122	21.348	ug/l	92
28) Bromochloromethane	5.91	49	267798	21.435	ug/l	94
29) Tetrahydrofuran	5.94	42	331213	110.730	ug/l	99
30) Chloroform	6.08	83	554440	21.319	ug/l	97
31) Cyclohexane	6.35	56	508477	20.661	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	462528	21.708	ug/l	98
36) 1,1-Dichloropropene	6.51	75	421995	21.446	ug/l	99
37) Ethyl Acetate	5.68	43	284154	21.756	ug/l	99
38) Carbon Tetrachloride	6.48	117	371221	20.786	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	468845	20.971	ug/l	98
40) Benzene	6.77	78	1102943	21.425	ug/l	99
41) Methacrylonitrile	5.92	41	163330m	22.125	ug/l	
42) 1,2-Dichloroethane	6.87	62	321833	21.806	ug/l	99
43) Isopropyl Acetate	8.34	43	360545	20.983	ug/l #	99
44) Trichloroethene	7.73	130	333640	20.937	ug/l	98
45) 1,2-Dichloropropane	8.09	63	293244	21.755	ug/l	99
46) Dibromomethane	8.20	93	184487	21.141	ug/l	94
47) Bromodichloromethane	8.47	83	410263	22.064	ug/l	100
48) Methyl methacrylate	8.23	41	210429	21.499	ug/l	97
49) 1,4-Dioxane	8.22	88	41281	428.658	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	1229566	113.452	ug/l	97
52) Toluene	9.54	92	708036	21.356	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	380051	22.589	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	455826	21.940	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	233556	21.549	ug/l	98
56) Ethyl methacrylate	10.02	69	254434	21.266	ug/l	97
57) 1,3-Dichloropropane	10.37	76	368112	22.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	755974	113.787	ug/l	95
59) 2-Hexanone	10.48	43	946615	121.466	ug/l	99
60) Dibromochloromethane	10.63	129	283552	21.323	ug/l	97
61) 1,2-Dibromoethane	10.75	107	248594	21.587	ug/l	98
64) Tetrachloroethene	10.25	164	308371	21.071	ug/l	96
65) Chlorobenzene	11.31	112	762073	21.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	270169	22.404	ug/l	98
67) Ethyl Benzene	11.42	91	1349016	23.033	ug/l	98
68) m/p-Xylenes	11.55	106	999617	45.680	ug/l	95
69) o-Xylene	11.93	106	475667	21.976	ug/l	96
70) Styrene	11.95	104	815611	22.532	ug/l	99
71) Bromoform	12.11	173	212722	21.784	ug/l	99
73) Isopropylbenzene	12.27	105	1315963	21.566	ug/l	100
74) N-amyl acetate	12.13	43	481400	21.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	285533	21.433	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	282178	21.184	ug/l	98
77) Bromobenzene	12.54	156	376114	21.211	ug/l	85
78) n-propylbenzene	12.63	91	1640806	21.655	ug/l	98
79) 2-Chlorotoluene	12.70	91	904362	21.505	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	1045262	22.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	79090	21.131	ug/l	97
82) 4-Chlorotoluene	12.80	91	1059388	22.272	ug/l	98
83) tert-Butylbenzene	13.04	119	1149372	21.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1053219	21.160	ug/l	98
85) sec-Butylbenzene	13.22	105	1411415	22.026	ug/l	98
86) p-Isopropyltoluene	13.34	119	1137667	21.646	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	675385	21.861	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	663789	21.391	ug/l	99
89) n-Butylbenzene	13.64	91	1195073	23.303	ug/l	99
90) Hexachloroethane	13.86	117	259414	21.327	ug/l	59
91) 1,2-Dichlorobenzene	13.65	146	588788	22.666	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	40021	22.499	ug/l	85

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	474840	21.536	ug/l	98
94) Hexachlorobutadiene	14.87	225	309229	21.099	ug/l	98
95) Naphthalene	14.96	128	668427	20.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	404151	21.071	ug/l	98

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

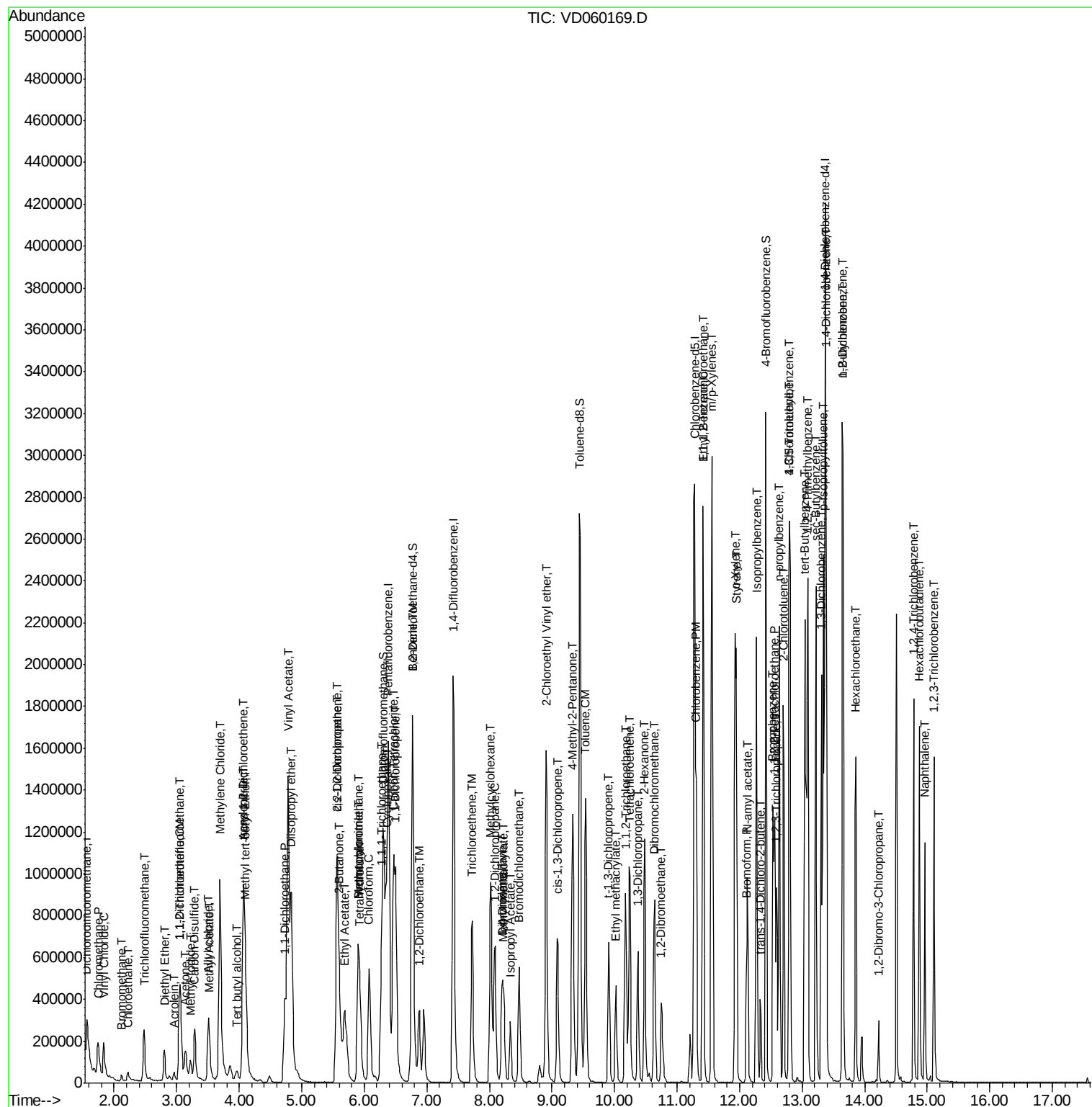
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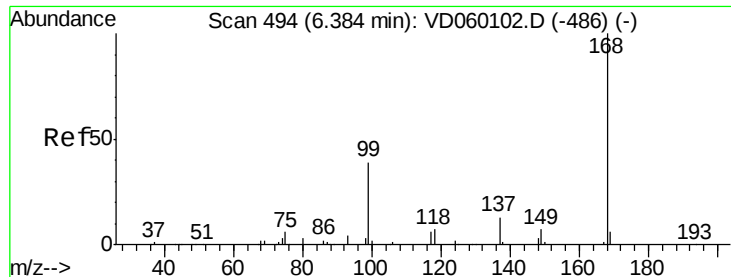
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:168 Resp: 1498641

Ion Ratio Lower Upper

168 100

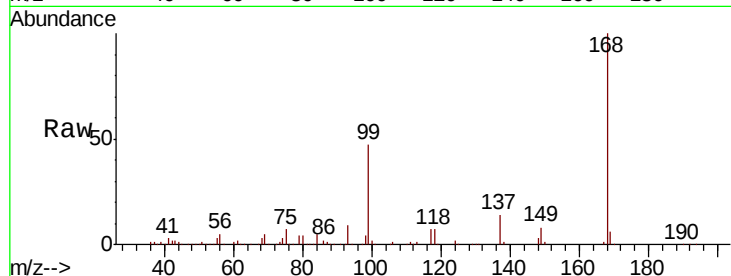
99 46.5 35.4 53.0

Manual Integrations

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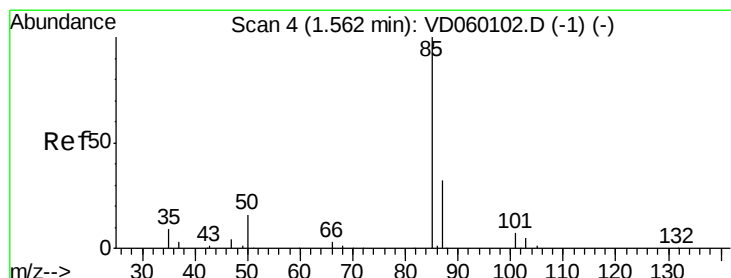
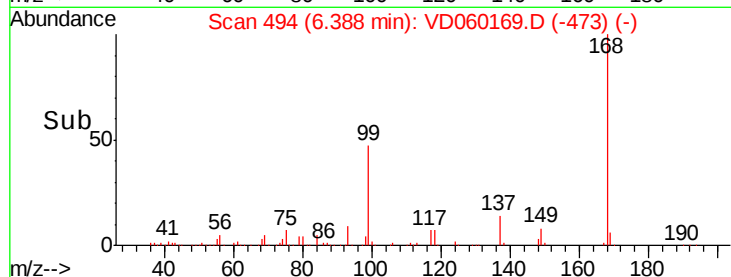
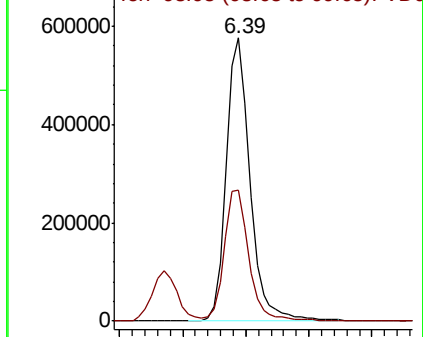
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 19.340 ug/l m

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060169.D

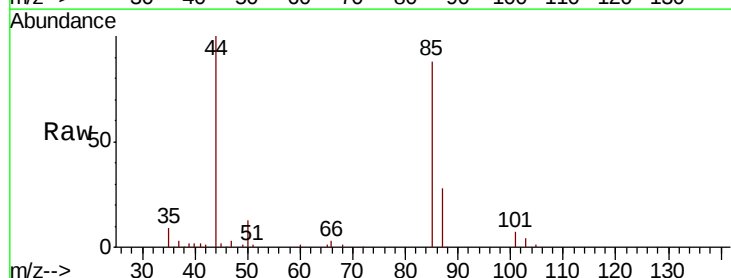
Acq: 10 Oct 2018 12:17

Tgt Ion: 85 Resp: 272639

Ion Ratio Lower Upper

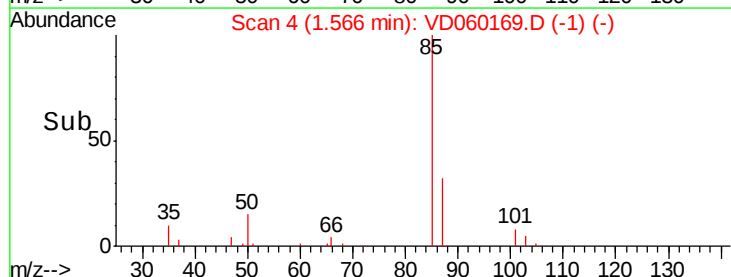
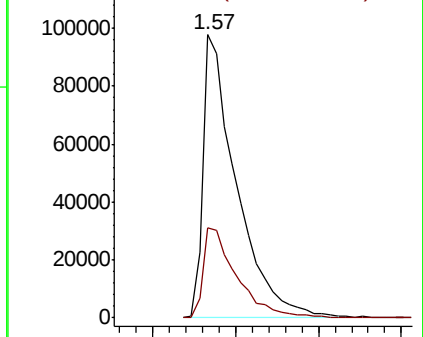
85 100

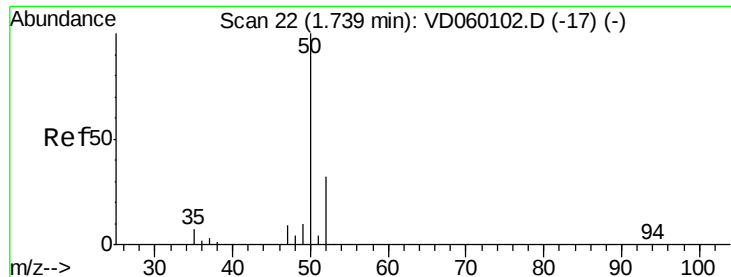
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 21.073 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 50 Resp: 267870

Ion Ratio Lower Upper

50 100

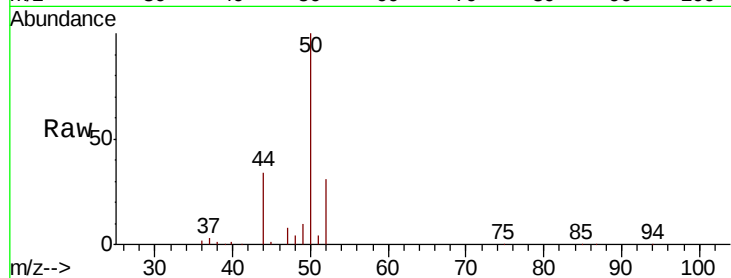
52 30.8 25.3 37.9

Manual Integrations

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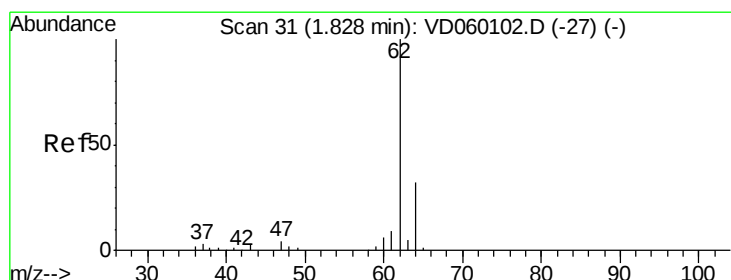
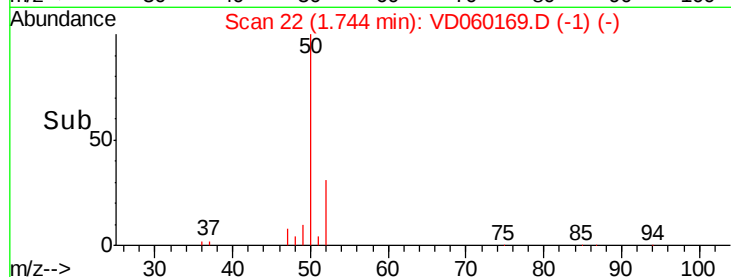
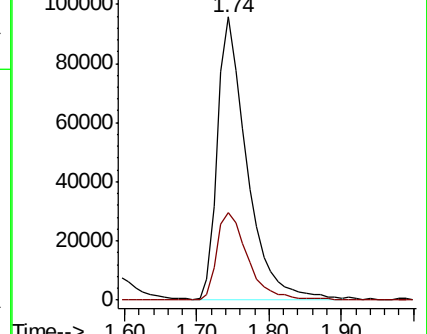
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.122 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060169.D

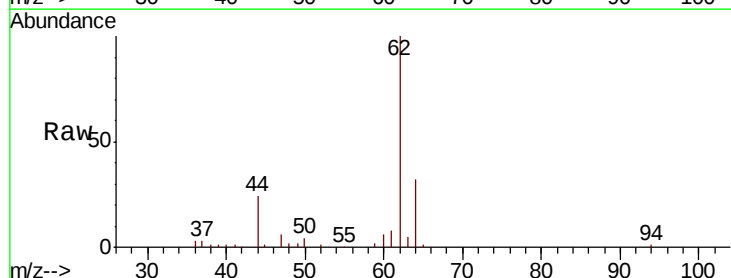
Acq: 10 Oct 2018 12:17

Tgt Ion: 62 Resp: 209330

Ion Ratio Lower Upper

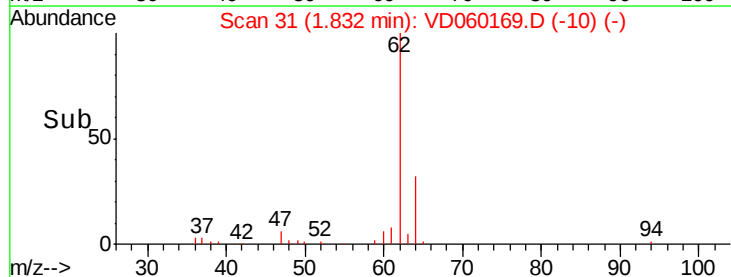
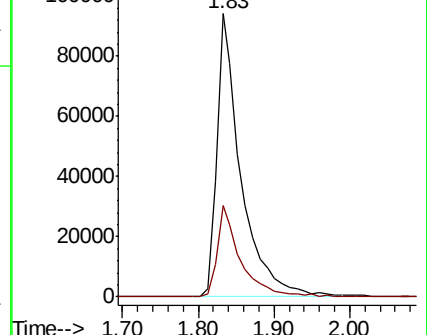
62 100

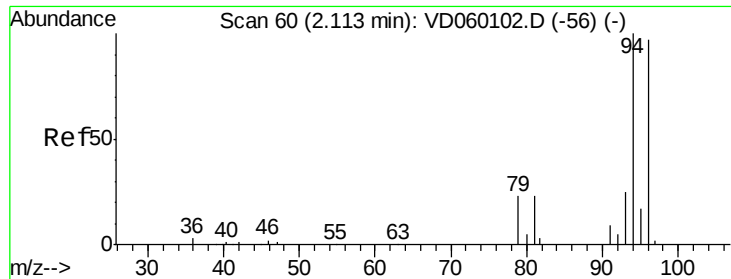
64 32.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.721 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

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ClientSampleId :

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Tot Ion: 94 Resp: 17923

Ion Ratio Lower Upper

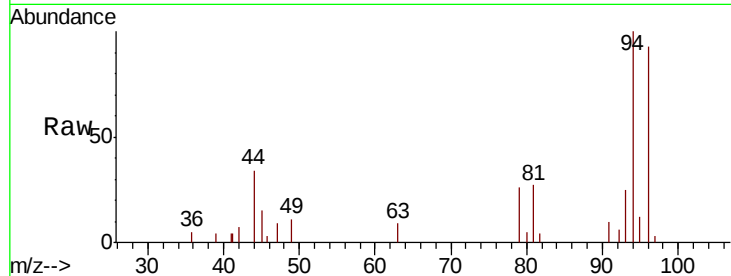
94 100

96 93.2 77.4 116.2

Manual Integrations
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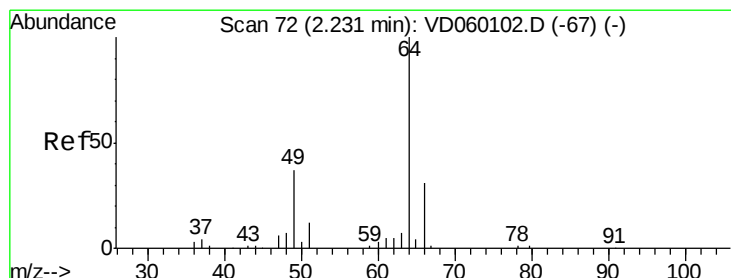
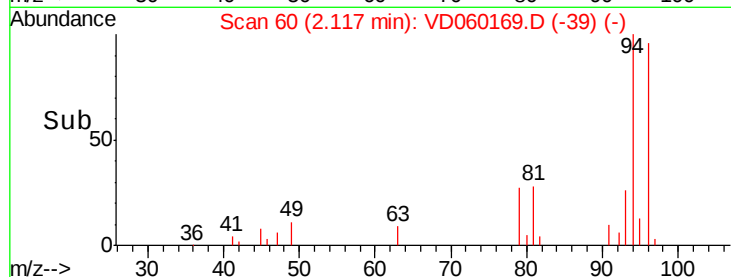
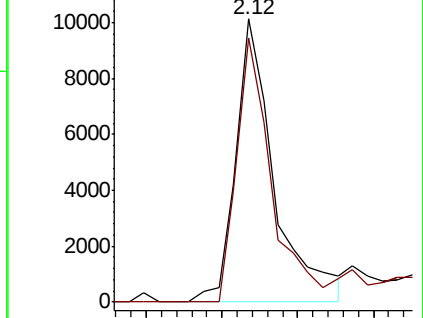
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.451 ug/l

RT: 2.23 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060169.D

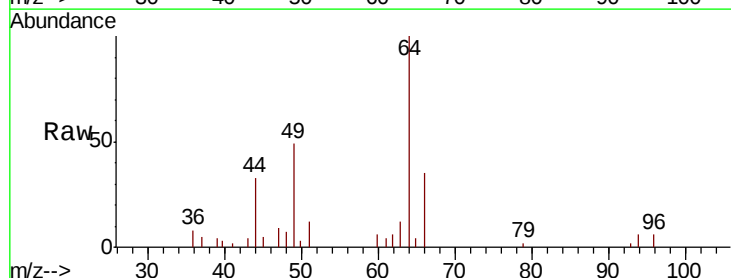
Acq: 10 Oct 2018 12:17

Tgt Ion: 64 Resp: 46702

Ion Ratio Lower Upper

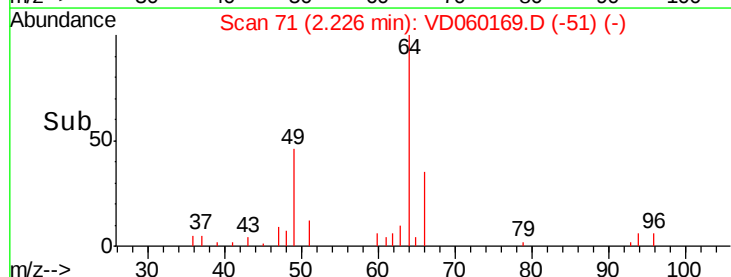
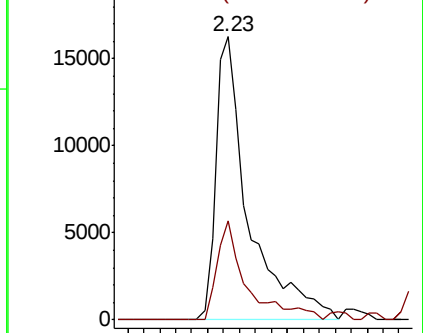
64 100

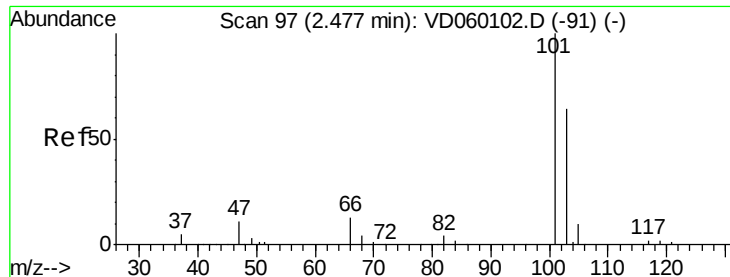
66 35.0 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

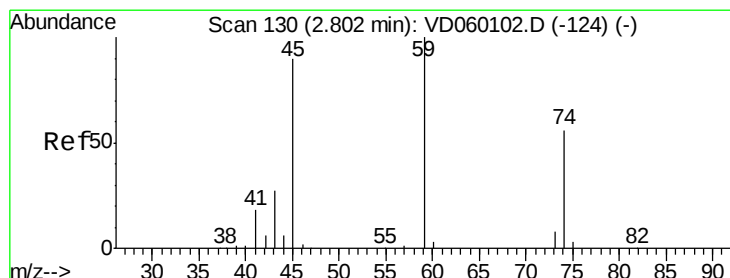
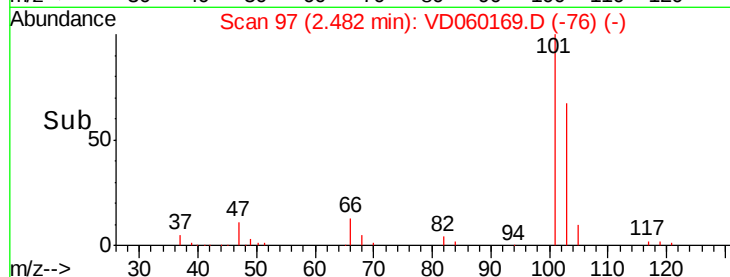
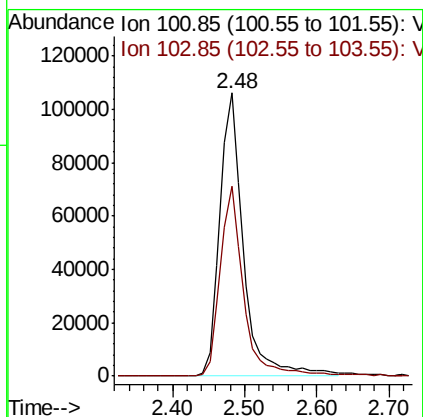
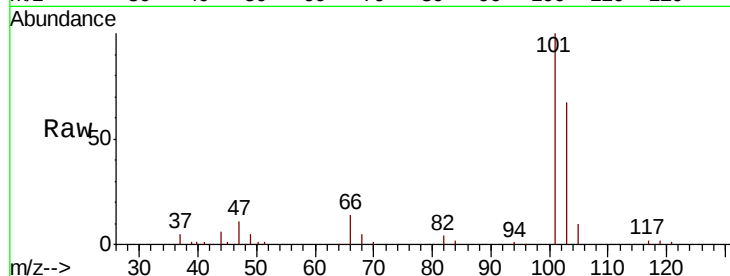
Trichlorofluoromethane
Concen: 19.356 ug/l
RT: 2.48 min Scan# 97
Delta R.T. 0.00 min
Lab File: VD060169.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	241101		
103	67.1	51.5	77.3	

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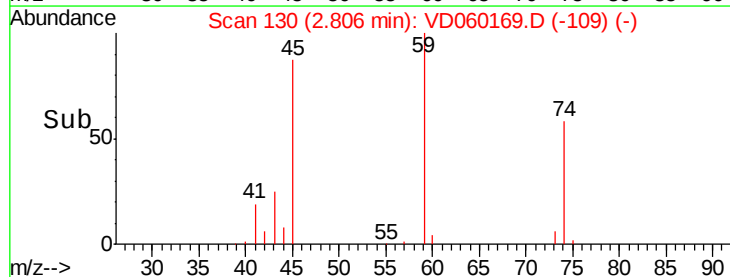
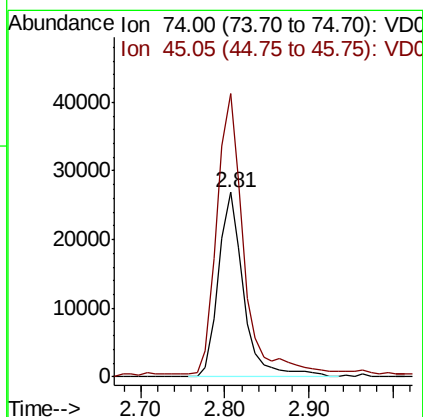
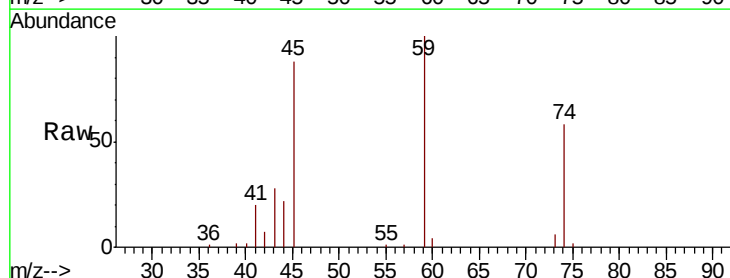
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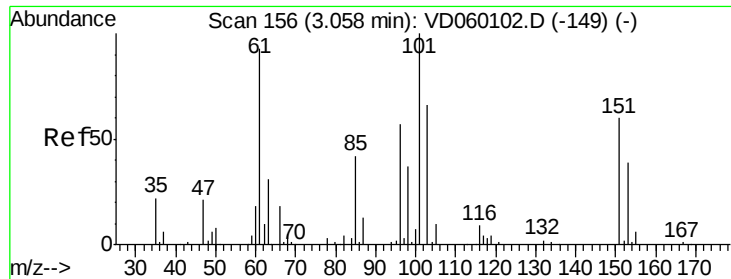


#8

Diethyl Ether
Concen: 21.801 ug/l
RT: 2.81 min Scan# 130
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55840		
45	153.2	80.3	241.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.577 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

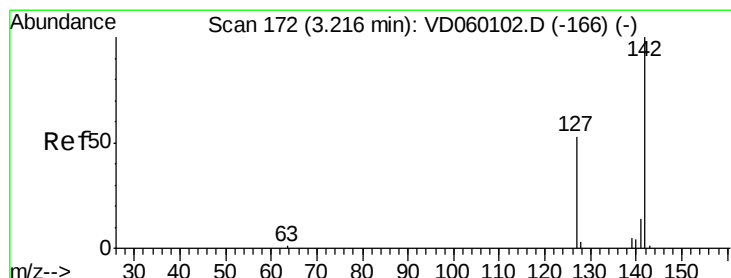
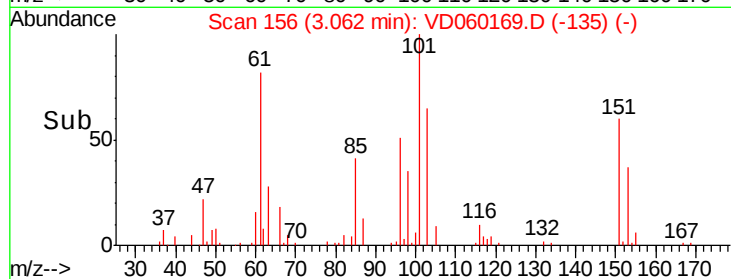
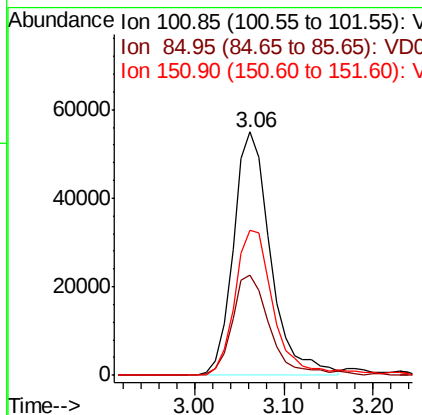
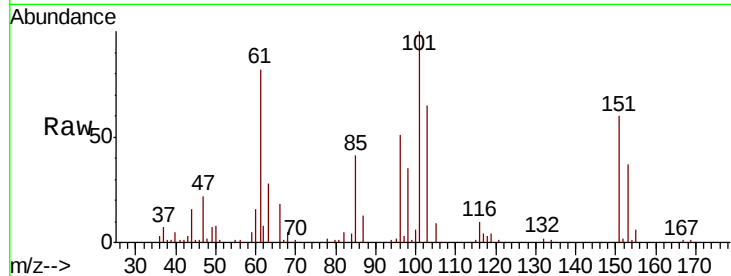
ClientSampleId :

VD1010SBS01

Tot Ion:	101	Resp:	159680
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.0
151	59.6	48.0	72.0

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#10

Methyl Iodide

Concen: 16.929 ug/l

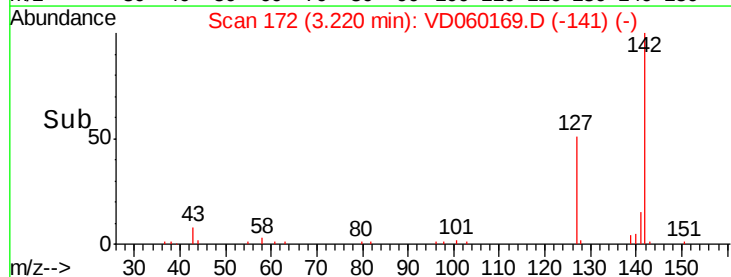
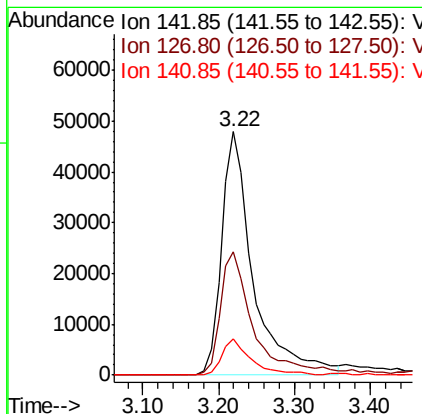
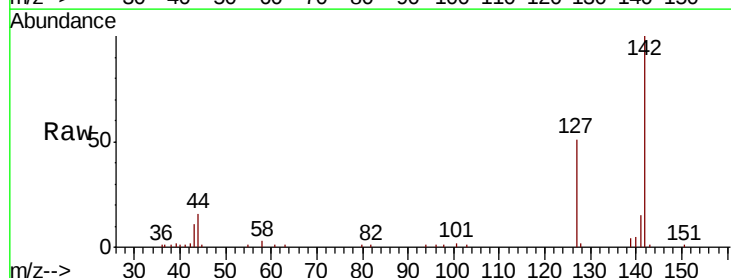
RT: 3.22 min Scan# 172

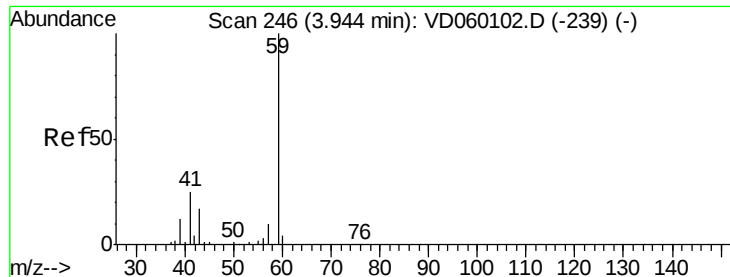
Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion:	142	Resp:	139318
Ion Ratio	Lower	Upper	
142	100		
127	50.8	42.0	63.0
141	15.1	11.4	17.0





#11

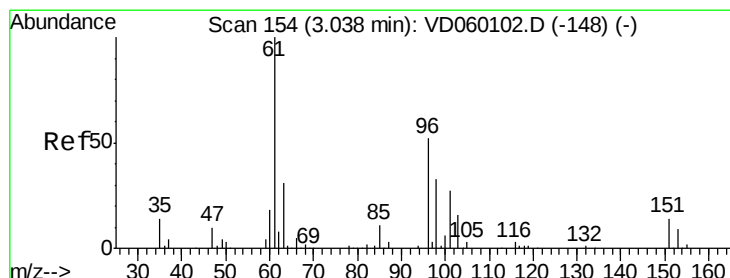
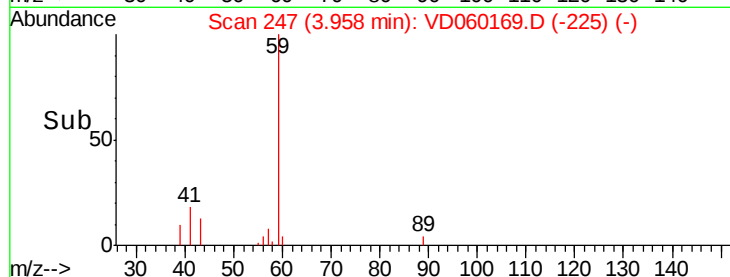
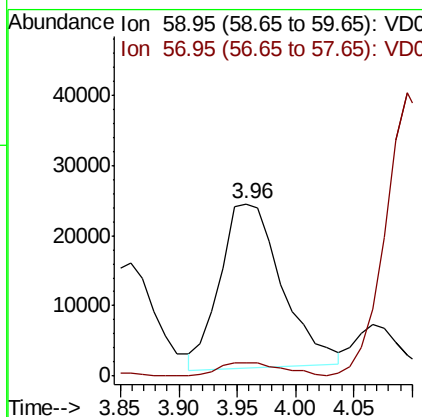
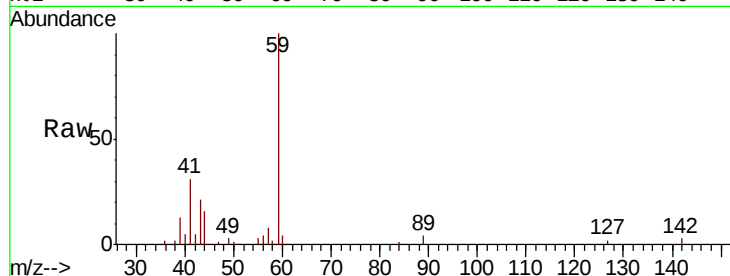
Tert butyl alcohol
Concen: 105.686 ug/l
RT: 3.96 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	59	Resp	86104
Ion Ratio	100	Lower	Upper
57	7.8	7.8	11.6

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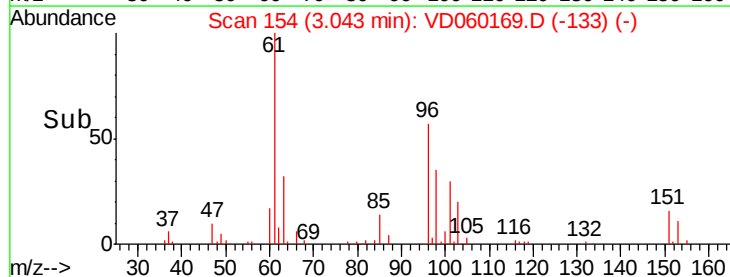
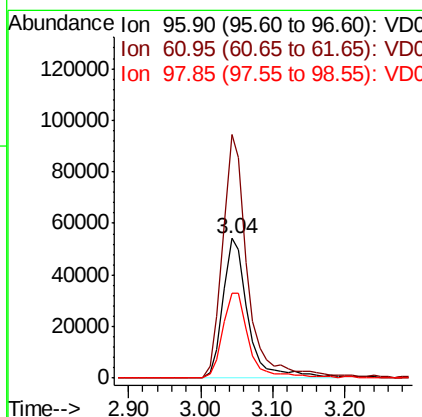
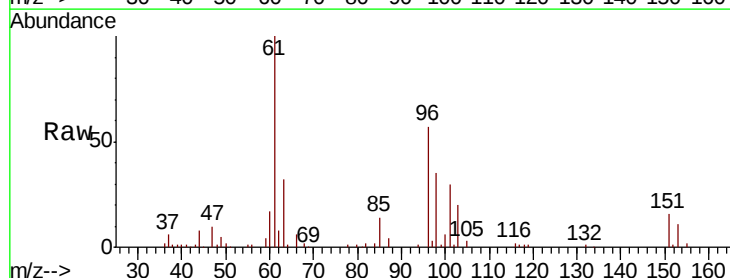
apatel
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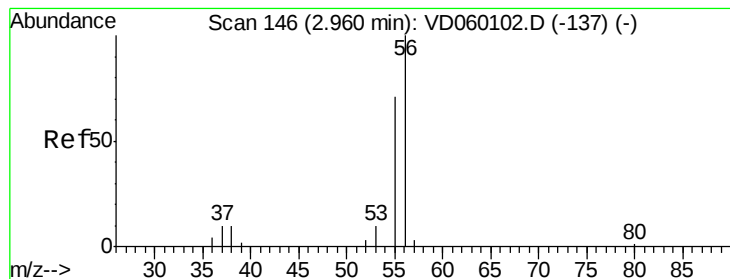


#12

1,1-Dichloroethene
Concen: 21.357 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	96	Resp	130563
Ion Ratio	100	Lower	Upper
61	174.4	153.0	229.4
98	60.6	51.1	76.7





#13

Acrolein

Concen: 83.812 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 56 Resp: 42093

Ion Ratio Lower Upper

56 100

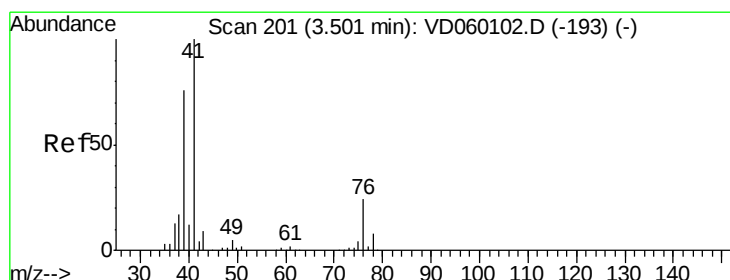
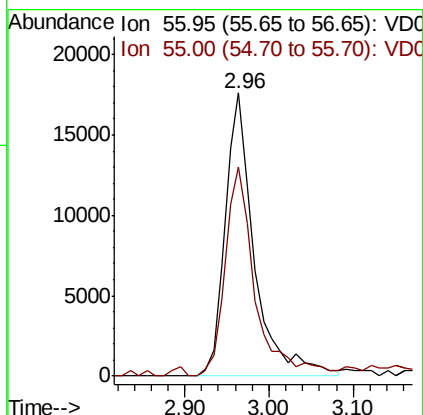
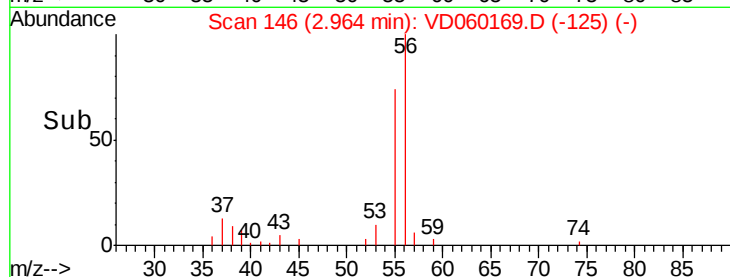
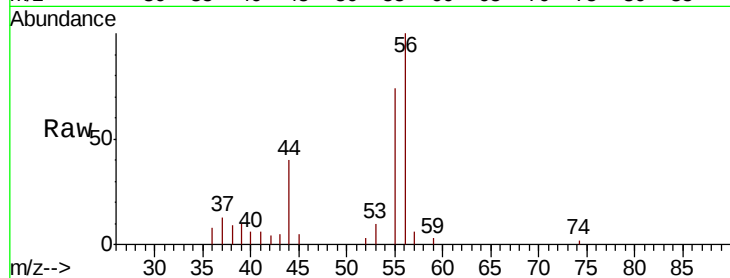
55 74.0 57.4 86.2

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#14

Allyl chloride

Concen: 20.833 ug/l

RT: 3.51 min Scan# 201

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

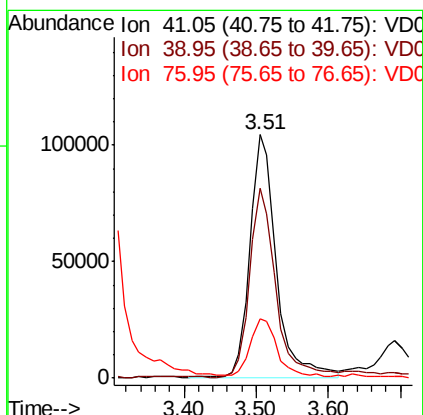
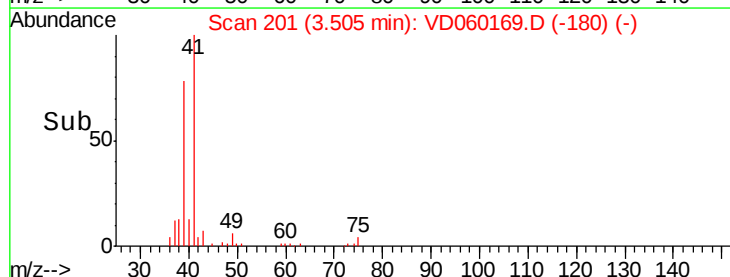
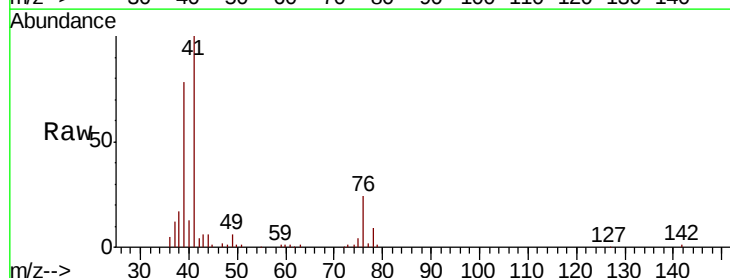
Tgt Ion: 41 Resp: 264518

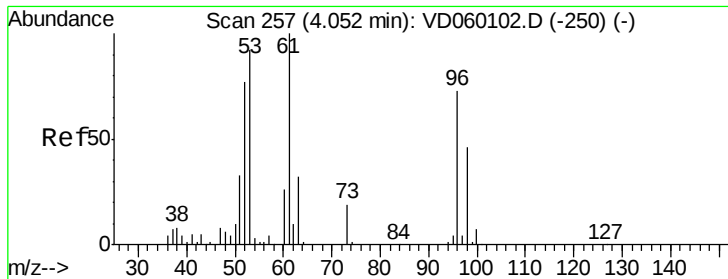
Ion Ratio Lower Upper

41 100

39 78.2 60.6 90.8

76 24.4 21.3 31.9





#15

Acrylonitrile

Concen: 110.053 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

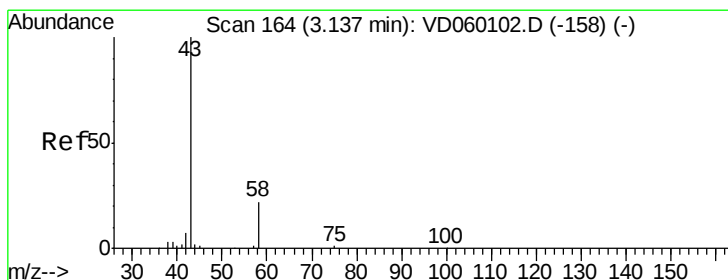
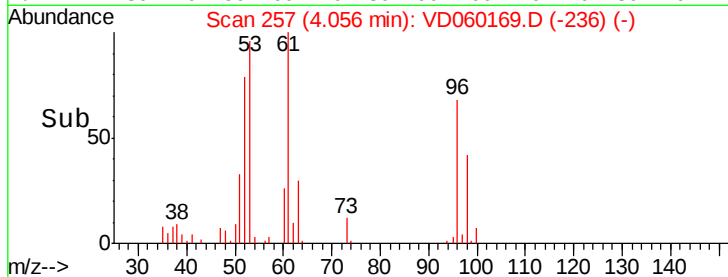
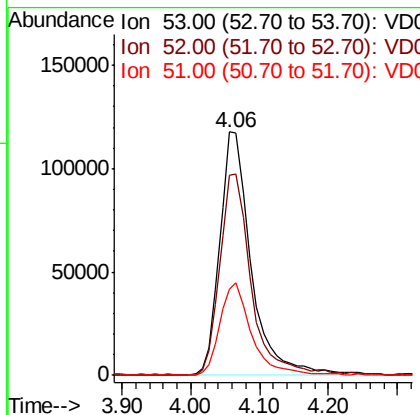
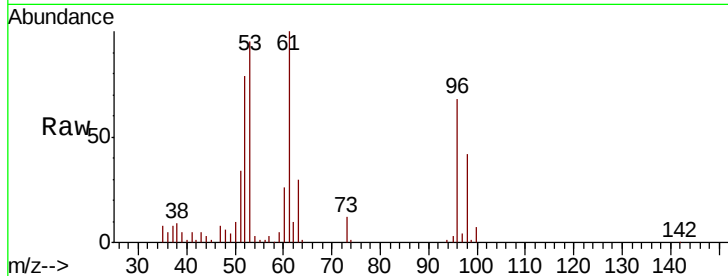
ClientSampleId :

VD1010SBS01

Tot Ion:	53	Resp:	371122
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.5	101.3
51	35.3	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 130.057 ug/l

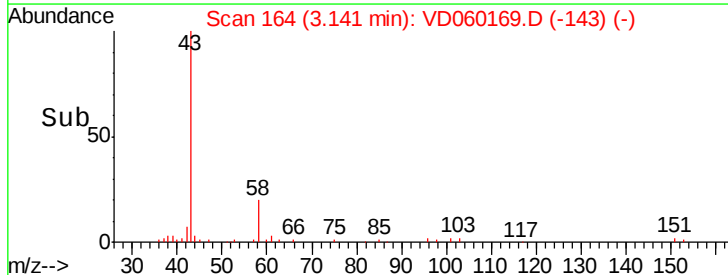
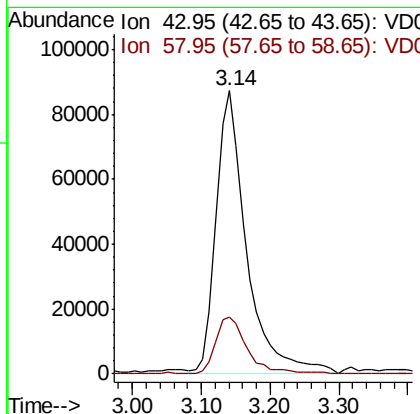
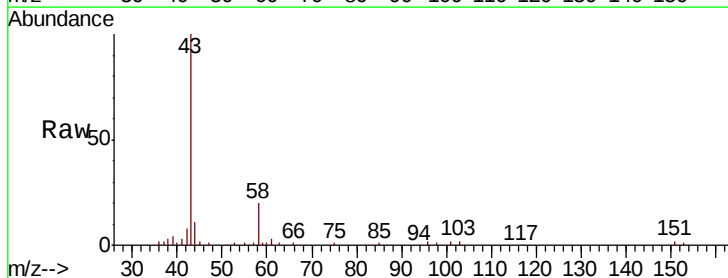
RT: 3.14 min Scan# 164

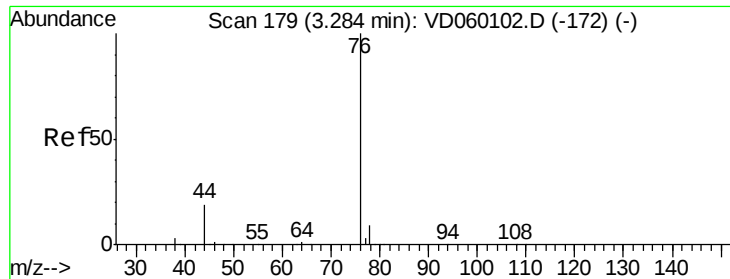
Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion:	43	Resp:	268086
Ion	Ratio	Lower	Upper
43	100		
58	20.0	17.7	26.5





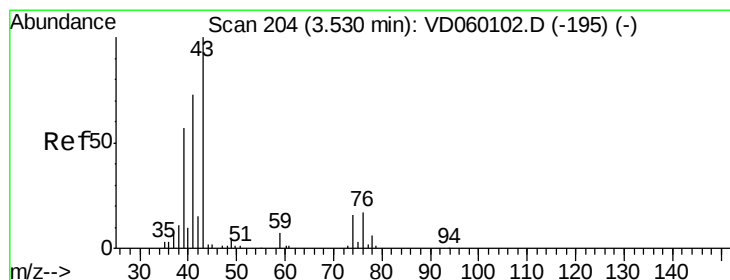
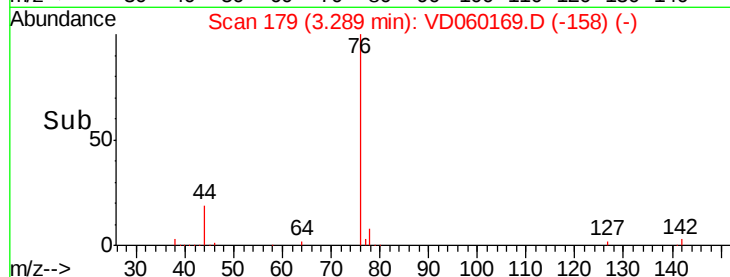
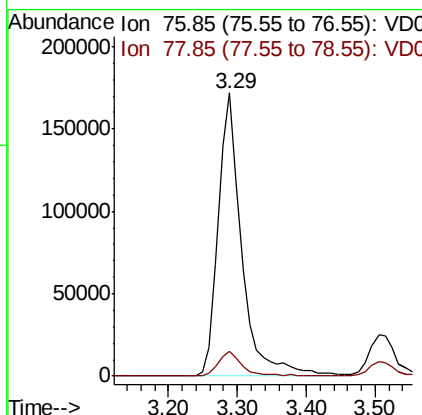
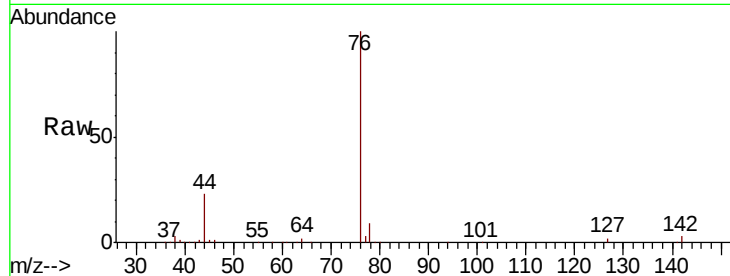
#17
Carbon Disulfide
Concen: 19.780 ug/l
RT: 3.29 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

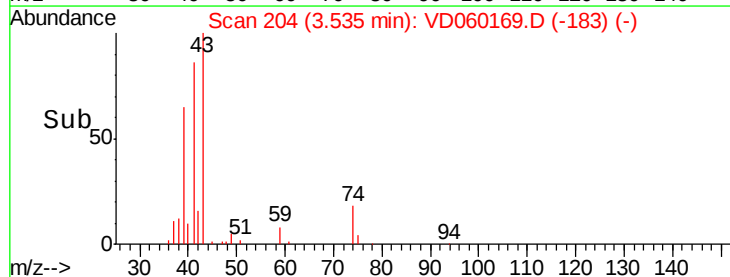
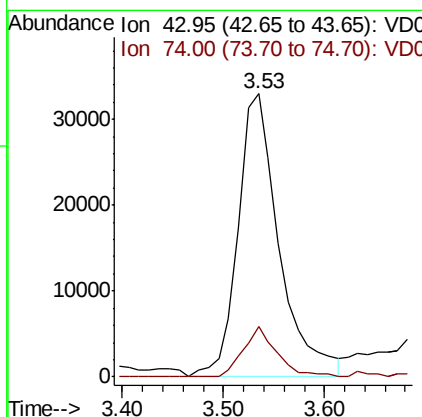
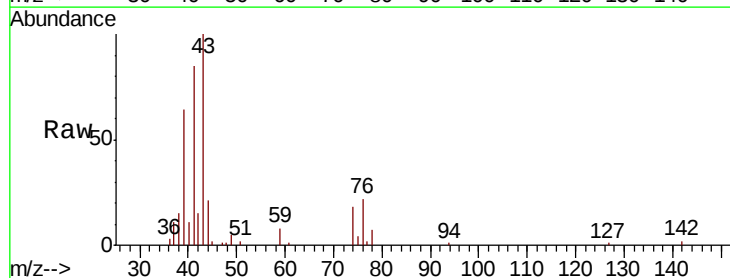
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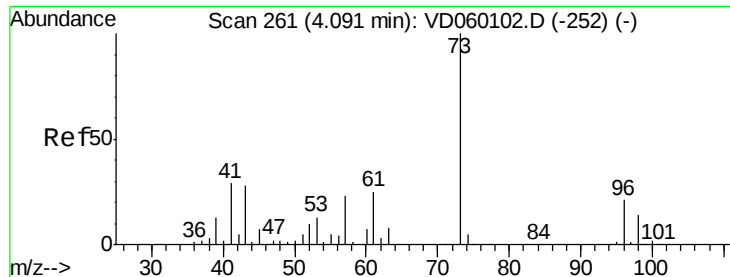
apatel
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#18
Methyl Acetate
Concen: 21.178 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.8	12.6	19.0





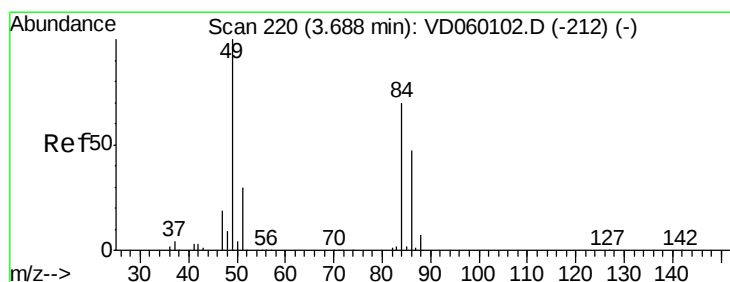
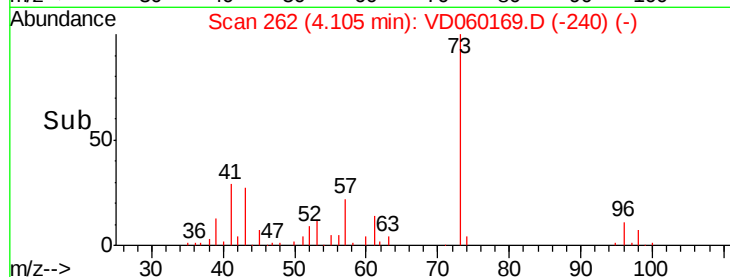
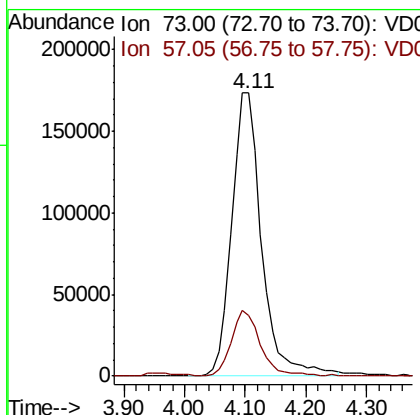
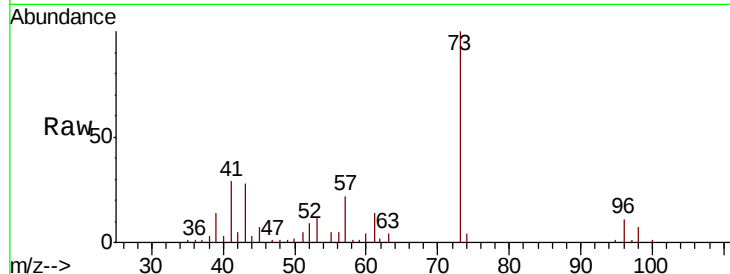
#19
Methvl tert-butvl Ether
Concen: 22.083 ug/l
RT: 4.11 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 73 Resp: 593563
Ion Ratio Lower Upper
73 100
57 21.6 18.7 28.1

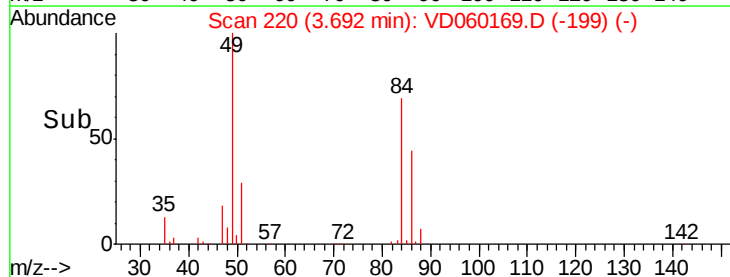
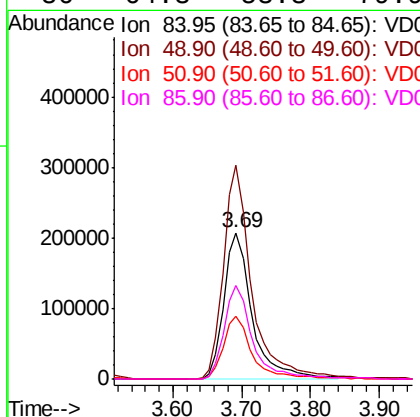
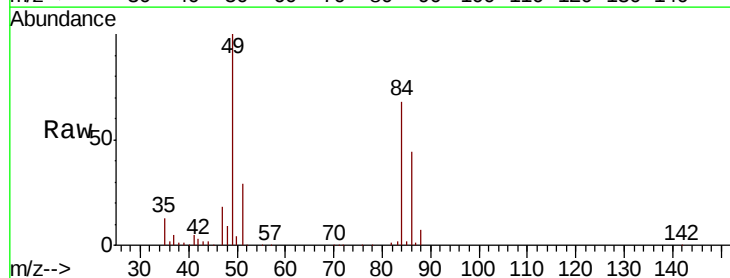
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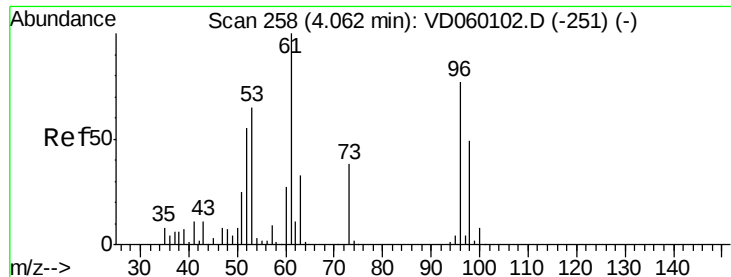
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#20
Methylene Chloride
Concen: 35.292 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 84 Resp: 593135
Ion Ratio Lower Upper
84 100
49 146.2 114.6 172.0
51 42.9 33.8 50.8
86 64.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.775 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 96 Resp: 328009

Ion Ratio Lower Upper

96 100

61 137.9 103.3 154.9

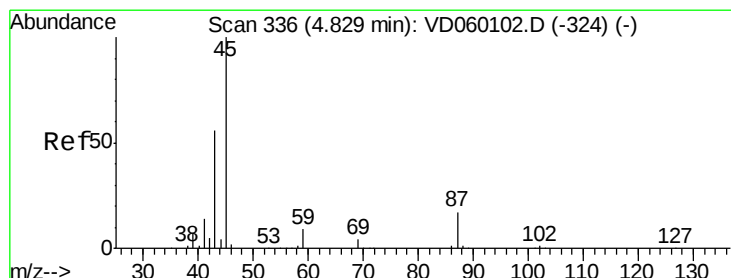
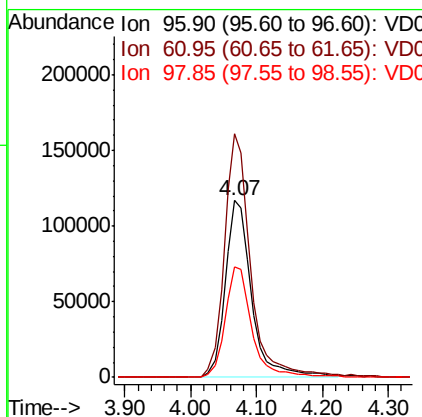
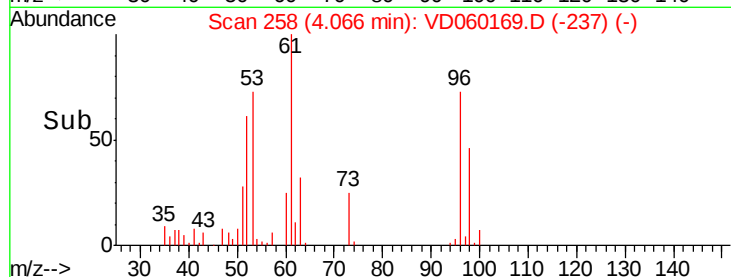
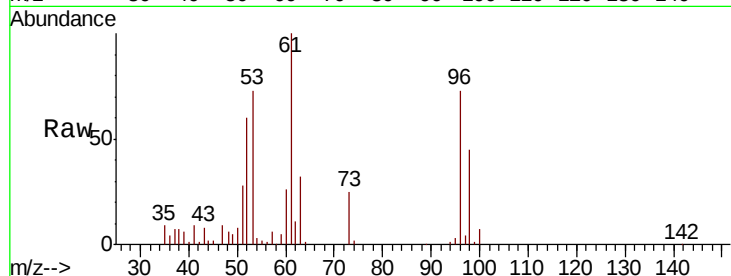
98 62.6 50.4 75.6

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#22

Diisopropyl ether

Concen: 22.002 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion: 45 Resp: 1247574

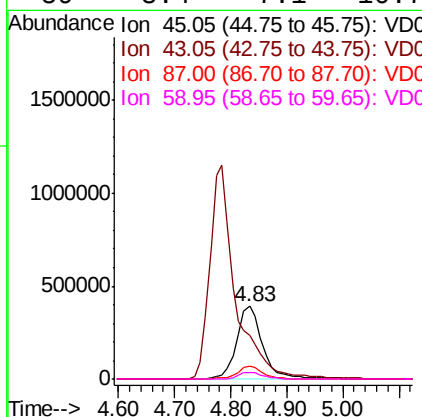
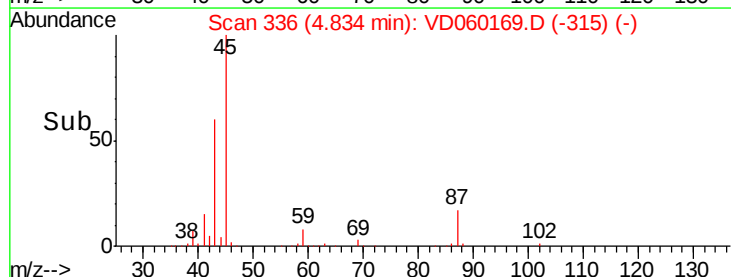
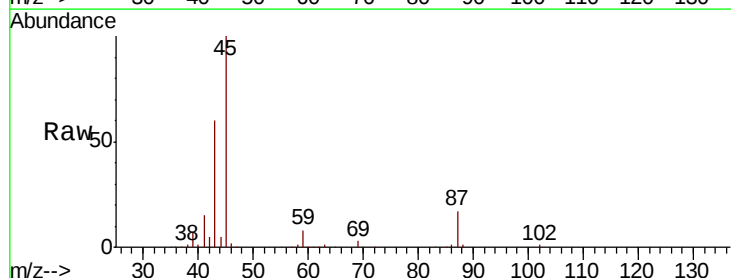
Ion Ratio Lower Upper

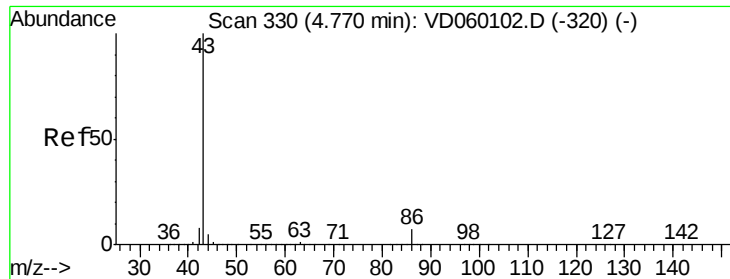
45 100

43 59.9 44.8 67.2

87 17.3 13.9 20.9

59 8.4 7.1 10.7





#23

Vinyl Acetate

Concen: 114.493 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 43 Resp: 3649270

Ion Ratio Lower Upper

43 100

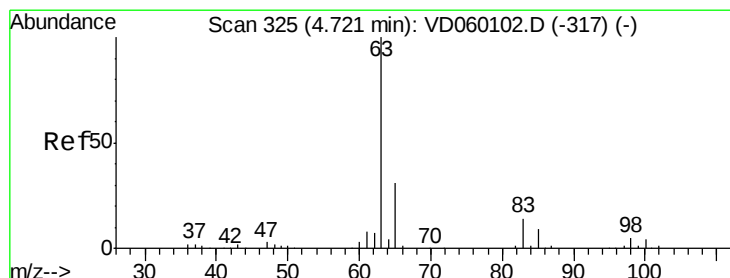
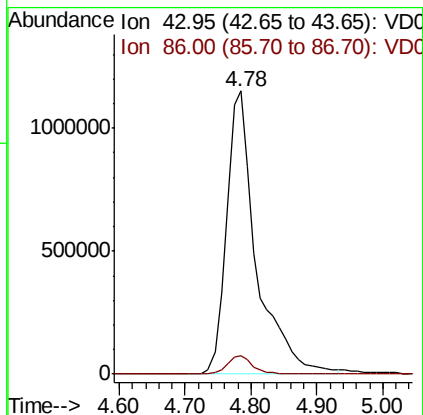
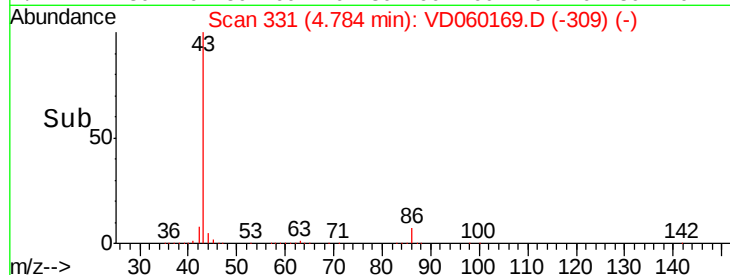
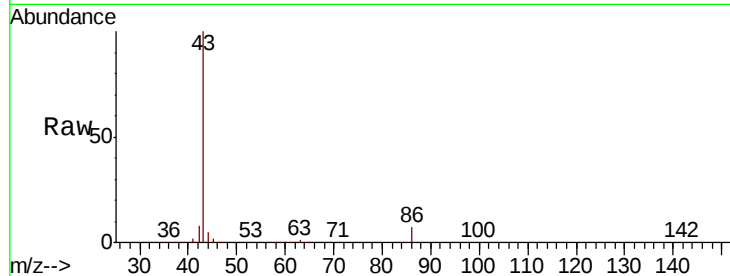
86 6.7 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 21.888 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

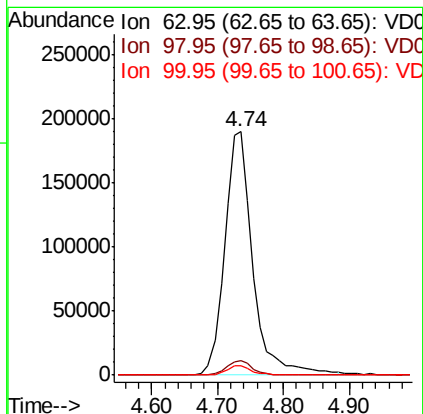
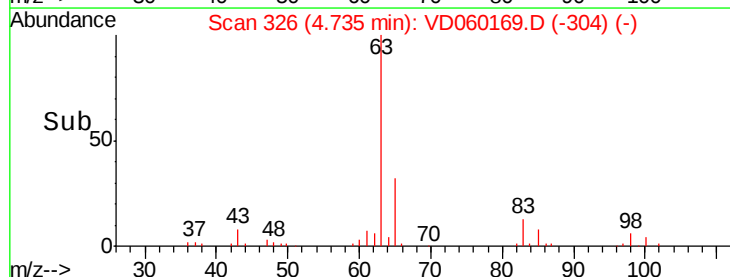
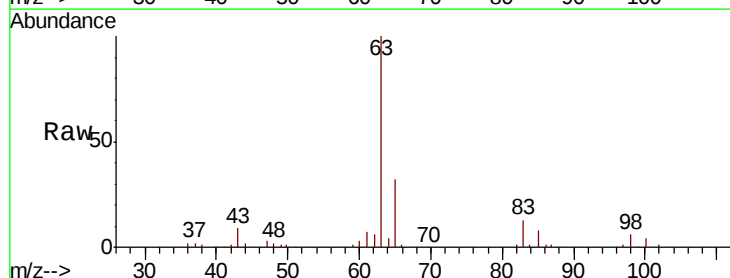
Tgt Ion: 63 Resp: 562727

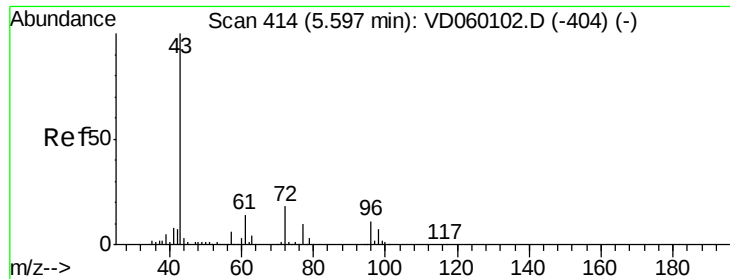
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

100 4.0 1.8 5.3





#25

2-Butanone

Concen: 125.086 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 43 Resp: 644146

Ion Ratio Lower Upper

43 100

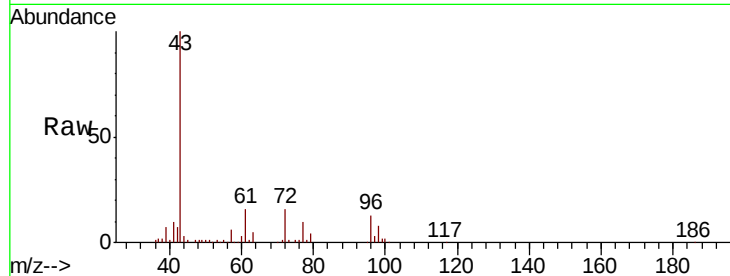
72 16.4 14.5 21.7

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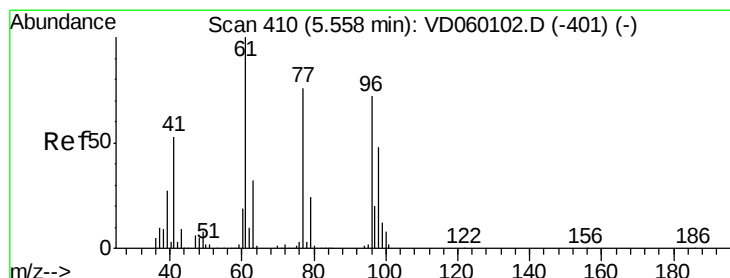
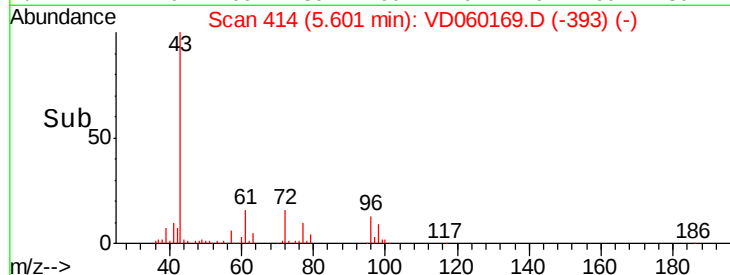
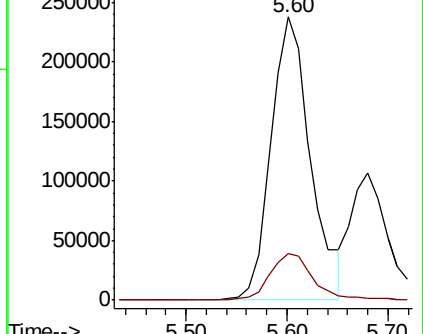
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.717 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060169.D

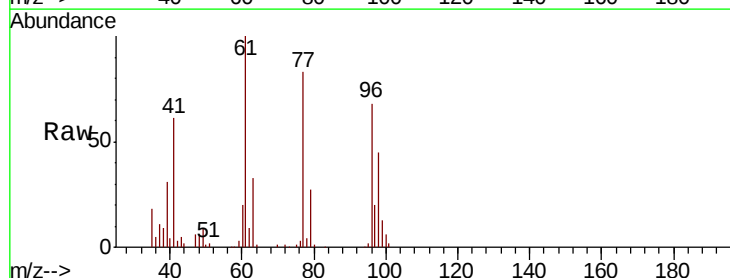
Acq: 10 Oct 2018 12:17

Tgt Ion: 77 Resp: 442756

Ion Ratio Lower Upper

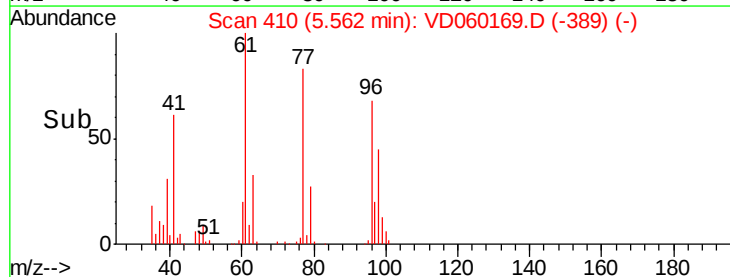
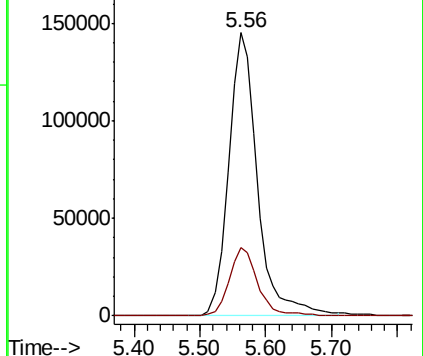
77 100

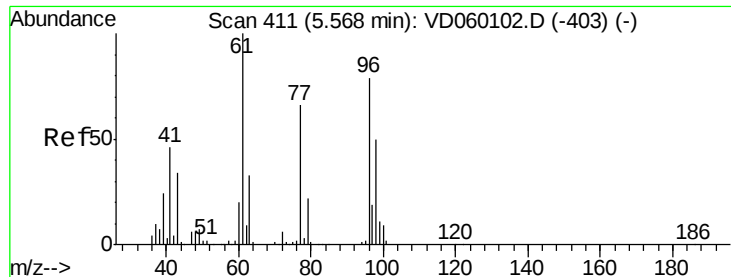
97 24.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

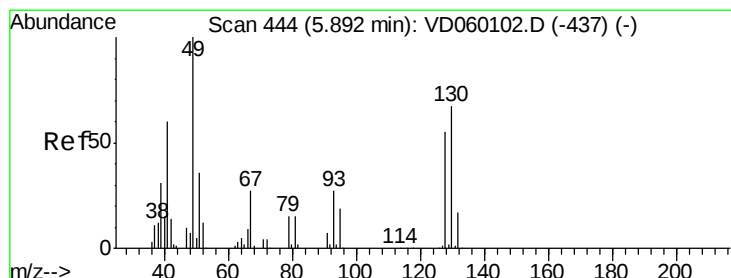
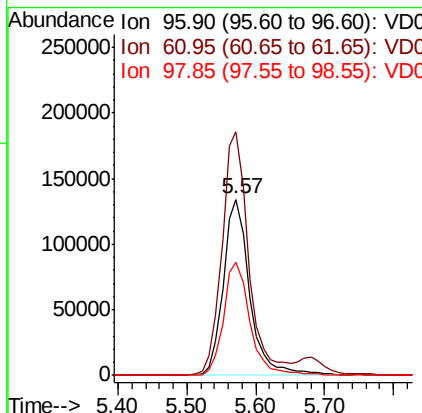
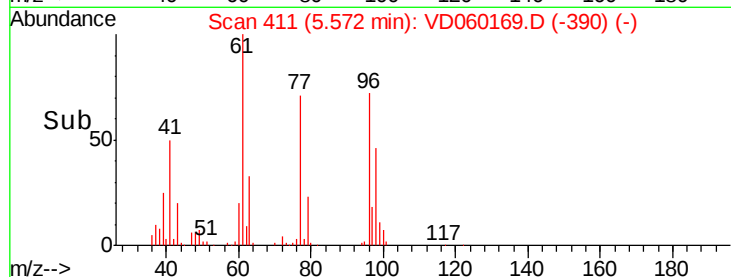
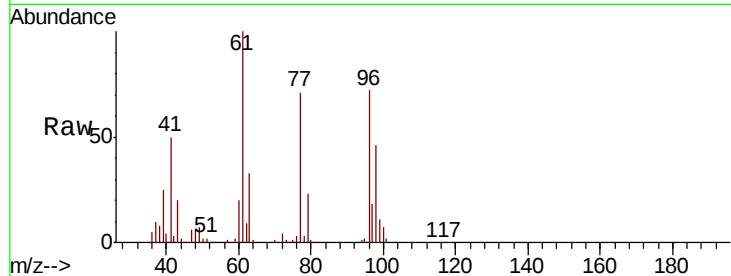
cis-1,2-Dichloroethene
Concen: 21.348 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.0	0.0	251.8	
98	64.0	0.0	125.2	

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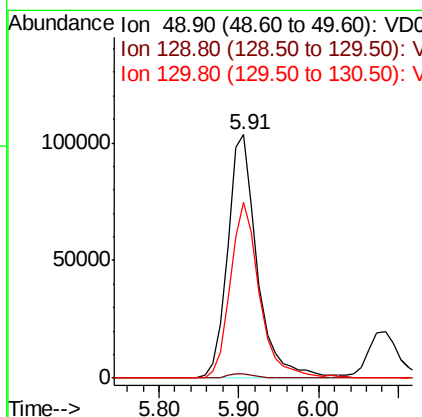
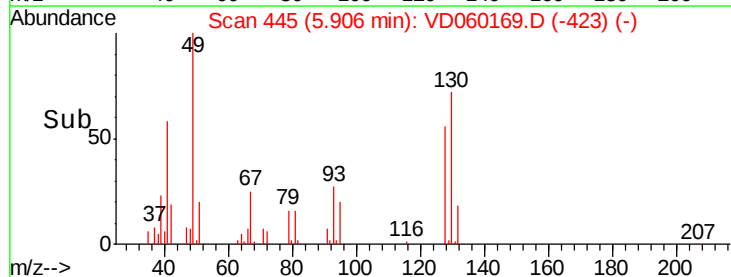
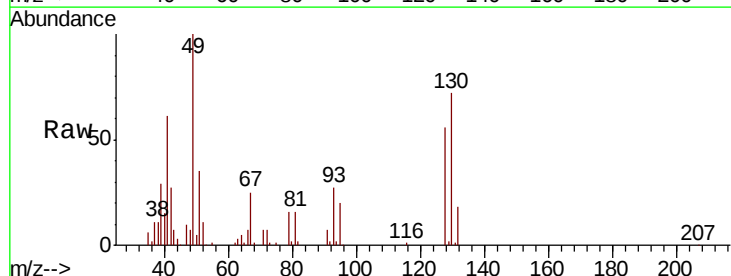
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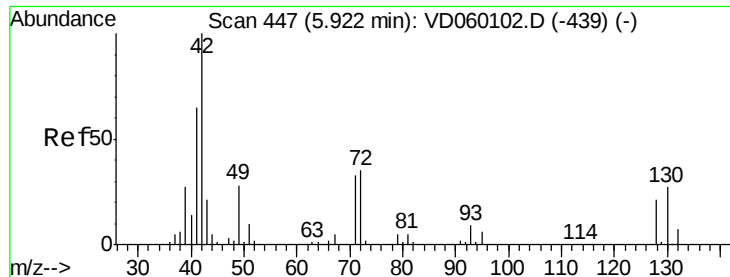


#28

Bromochloromethane
Concen: 21.435 ug/l
RT: 5.91 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	72.0	53.9	80.9	





#29

Tetrahydrofuran

Concen: 110.730 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

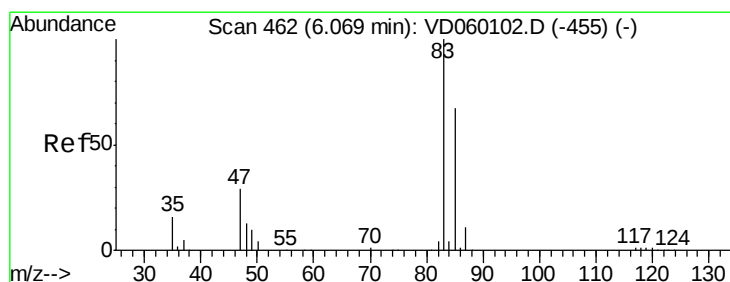
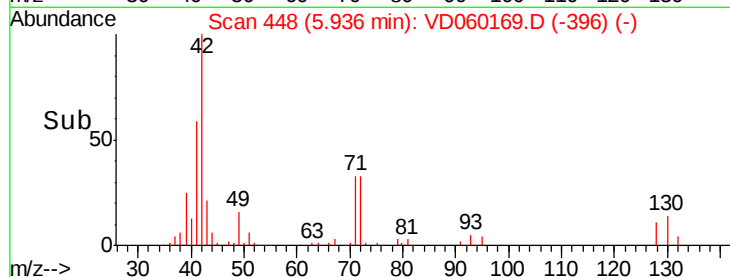
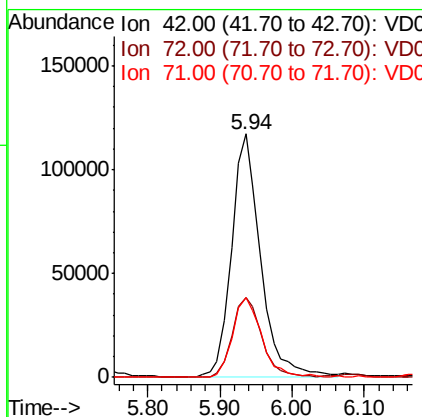
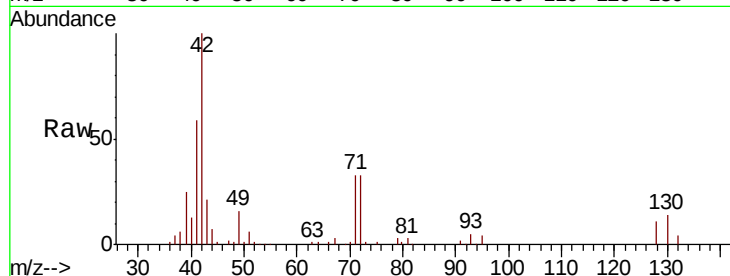
ClientSampleId :

VD1010SBS01

Tot Ion:	42	Resp:	331213
Ion Ratio		Lower	Upper
42	100		
72	33.2	26.9	40.3
71	32.9	26.7	40.1

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#30

Chloroform

Concen: 21.319 ug/l

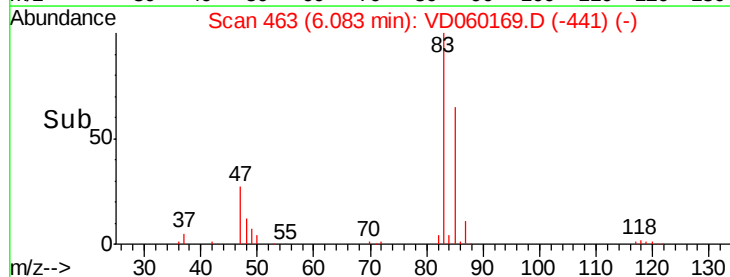
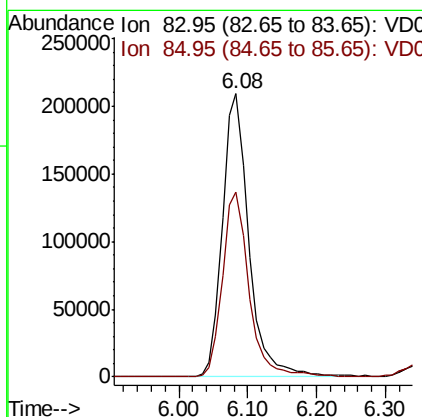
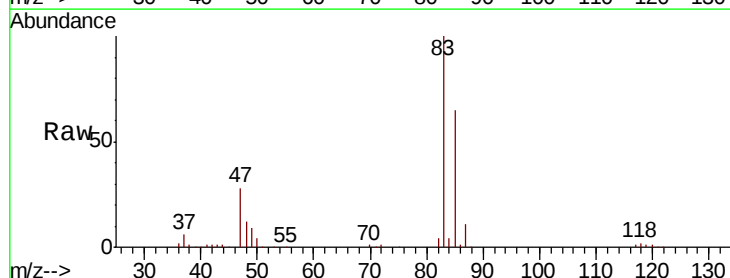
RT: 6.08 min Scan# 463

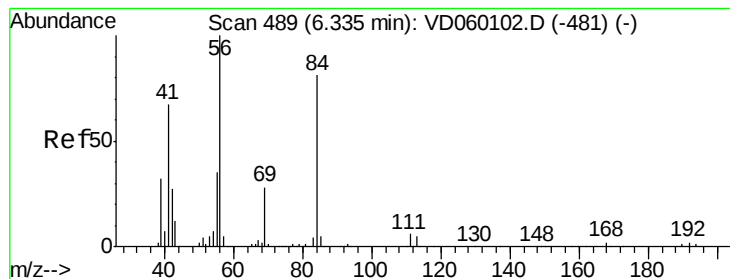
Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion:	83	Resp:	554440
Ion Ratio		Lower	Upper
83	100		
85	65.2	53.8	80.8





#31

Cyclohexane

Concen: 20.661 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

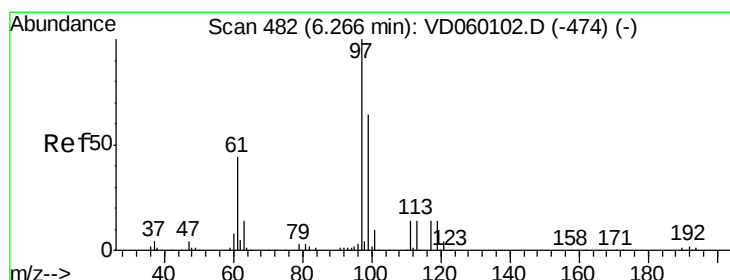
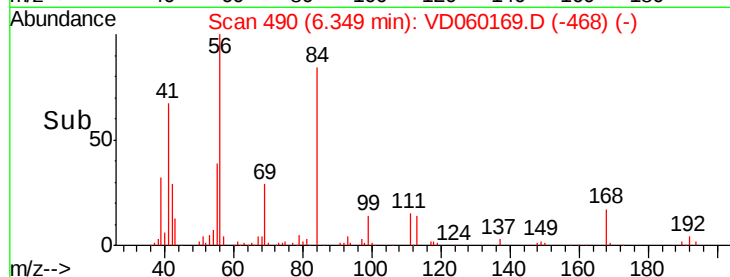
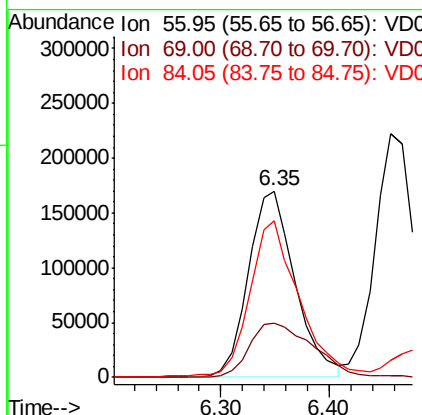
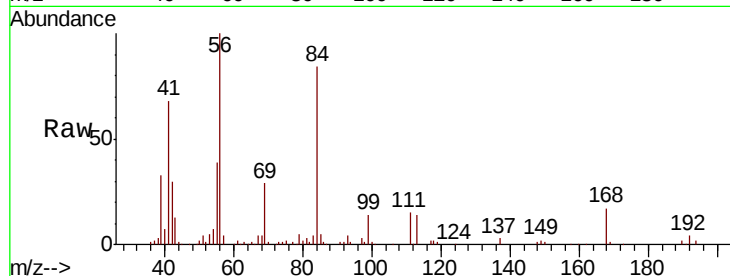
ClientSampleId :

VD1010SBS01

Tot Ion:	56	Resp:	508477
Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.8	34.2
84	84.2	64.9	97.3

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#32

1,1,1-Trichloroethane

Concen: 21.708 ug/l

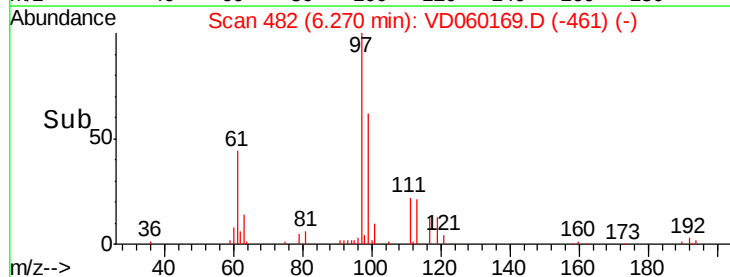
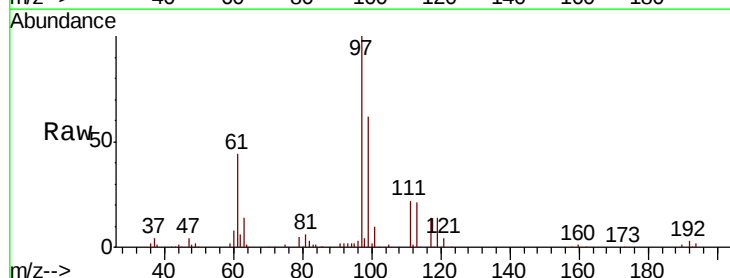
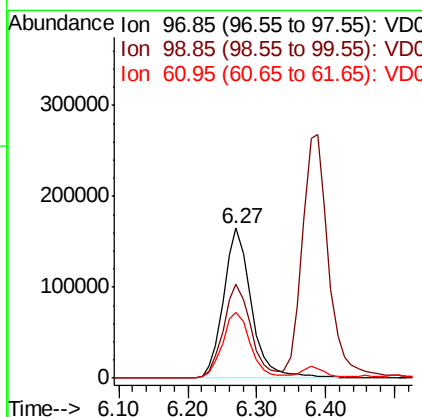
RT: 6.27 min Scan# 482

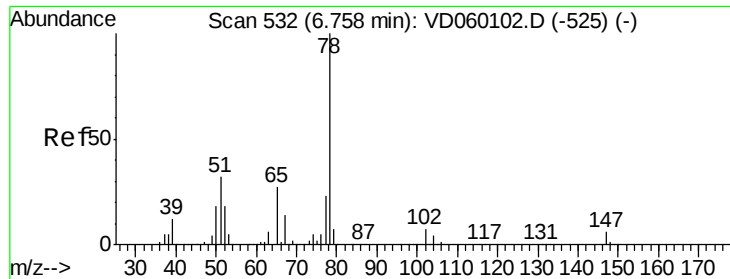
Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion:	97	Resp:	462528
Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	43.9	35.5	53.3





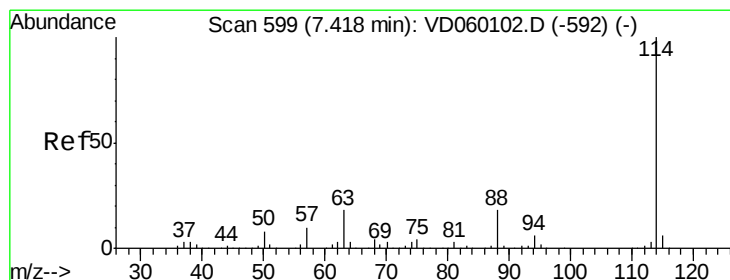
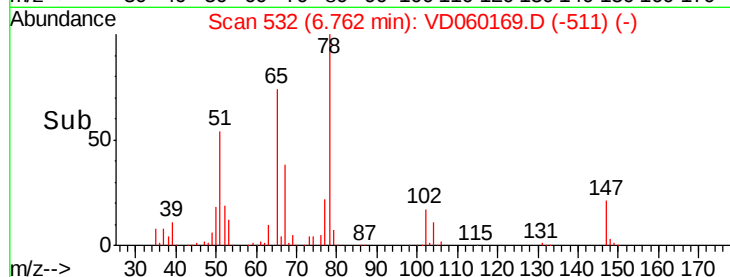
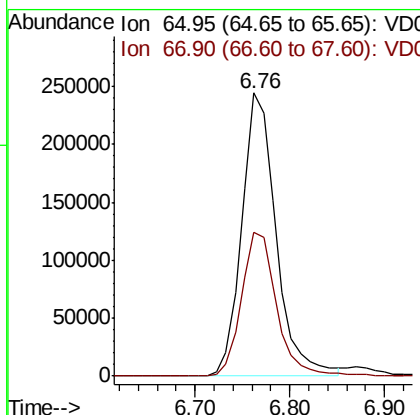
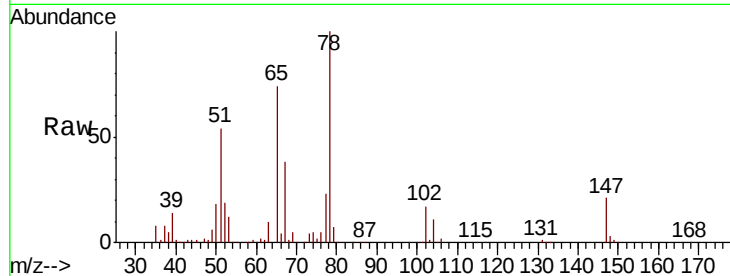
#33
 1,2-Dichloroethane-d4
 Concen: 21.708 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion: 65 Resp: 613663
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.2

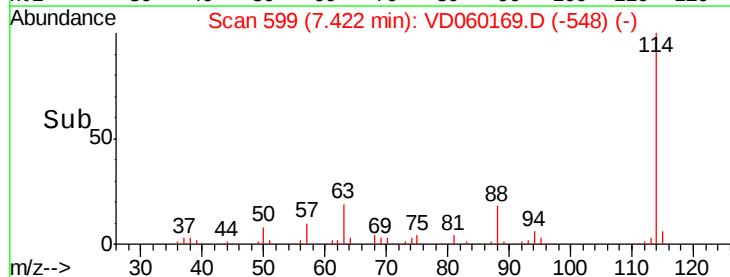
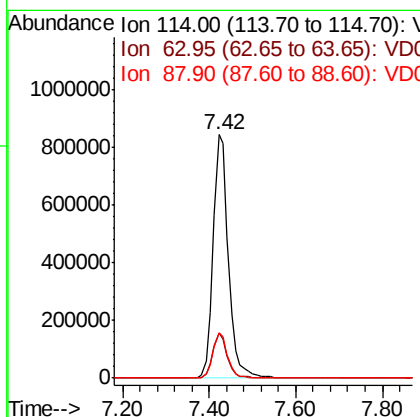
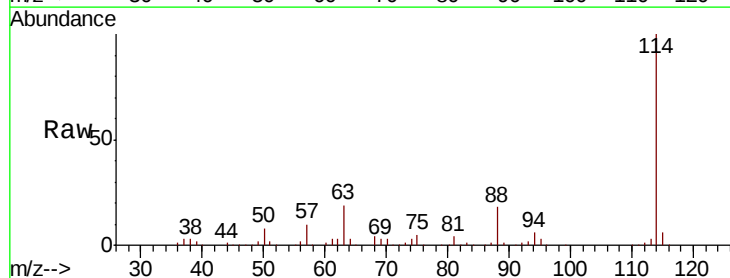
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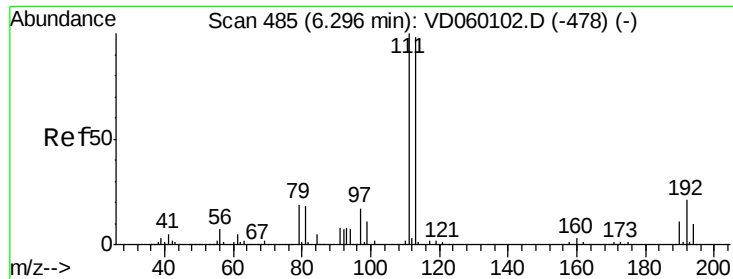
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion: 114 Resp: 2059151
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.0
 88 18.4 0.0 36.2





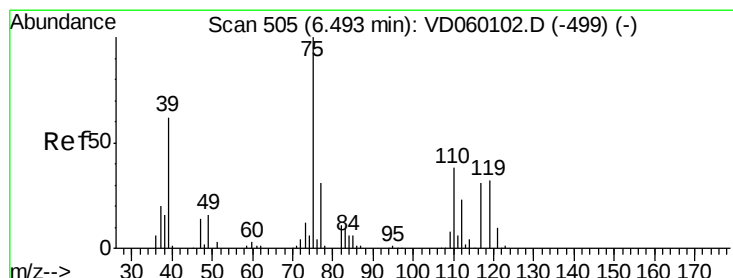
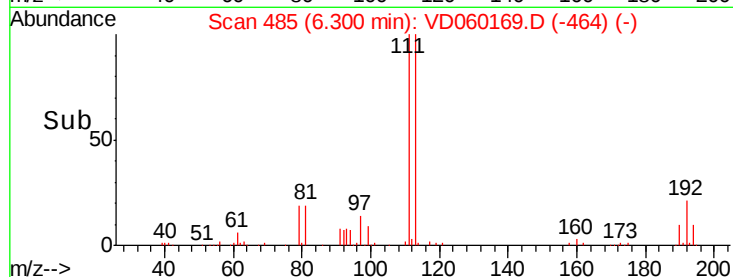
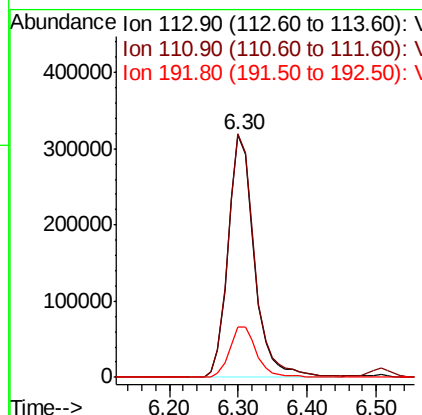
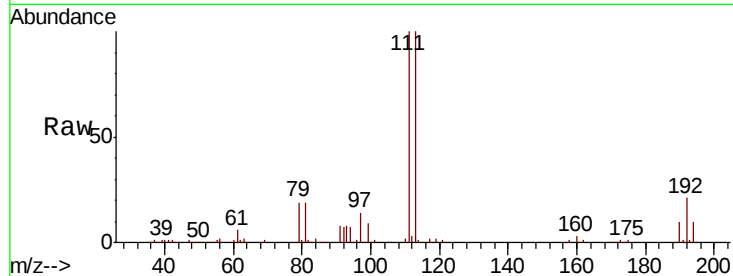
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.2	81.5	122.3	
192	20.6	17.4	26.0	

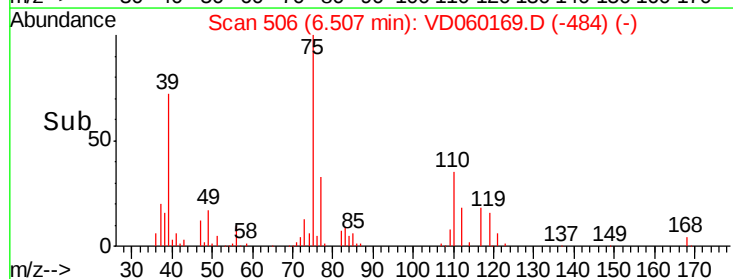
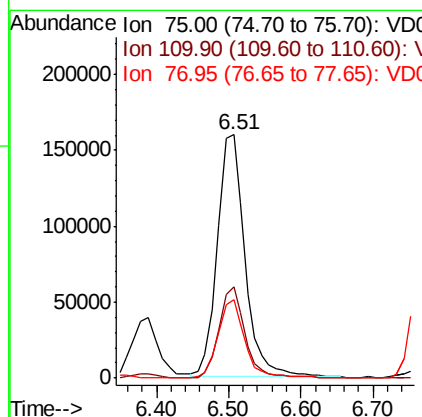
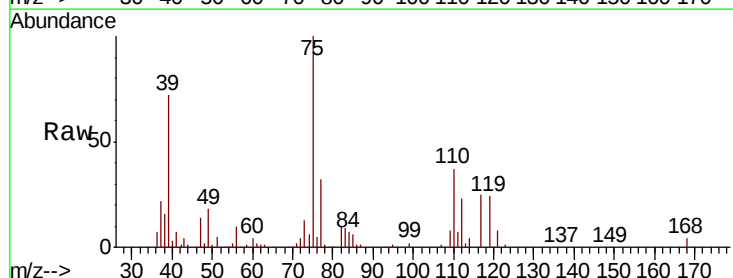
Manual Integrations
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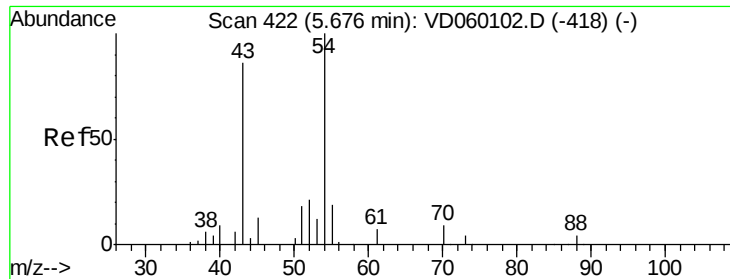
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#36
1,1-Dichloropropene
Concen: 21.446 ug/l
RT: 6.51 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	19.0	57.0	
77	32.2	24.9	37.3	





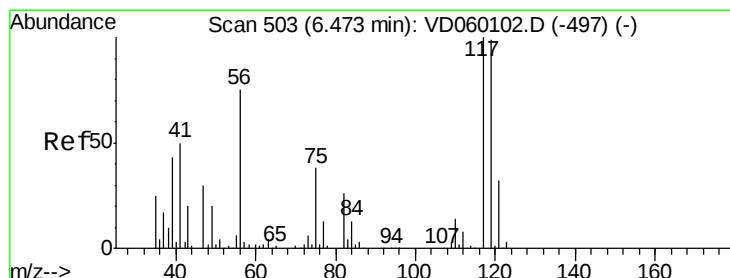
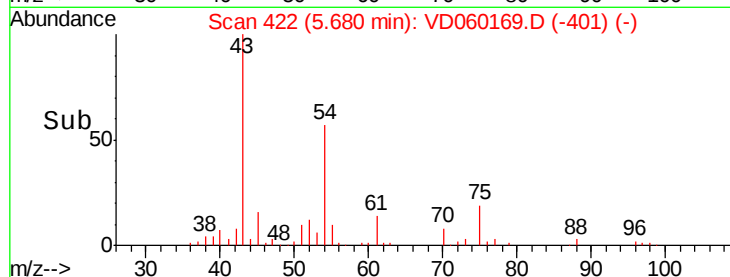
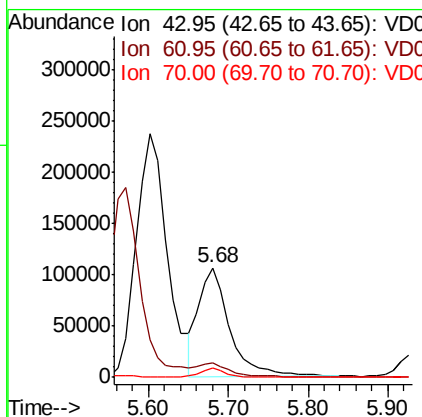
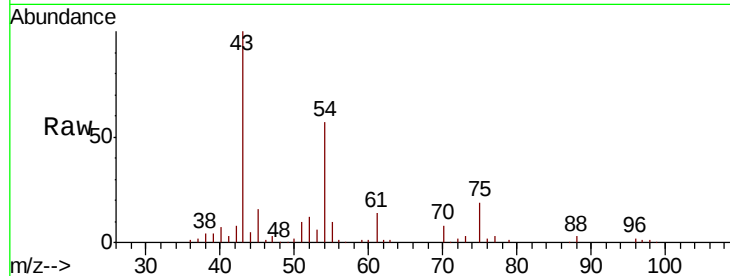
#37
Ethyl Acetate
Concen: 21.756 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	8.2	6.3	9.5

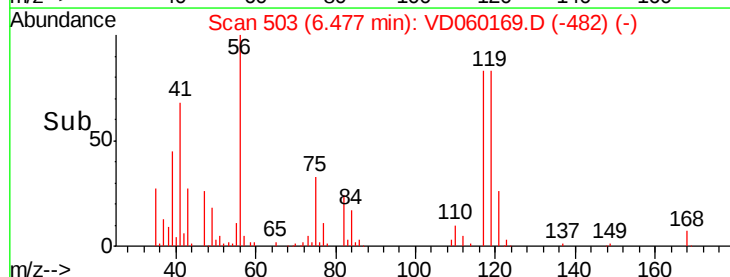
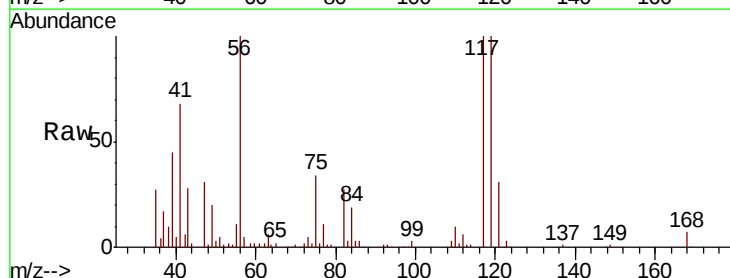
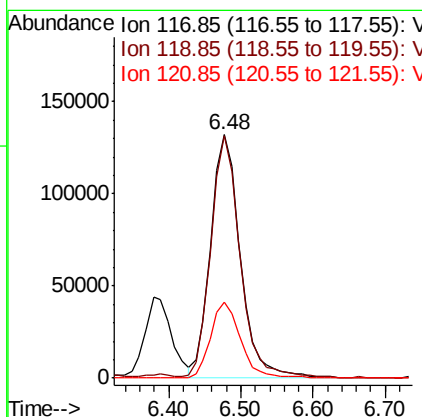
Manual Integrations
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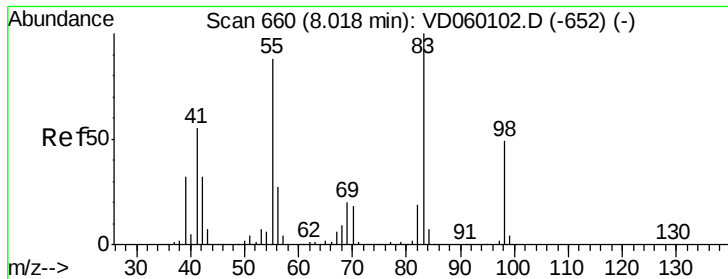
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#38
Carbon Tetrachloride
Concen: 20.786 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	77.8	116.6
121	31.1	24.8	37.2





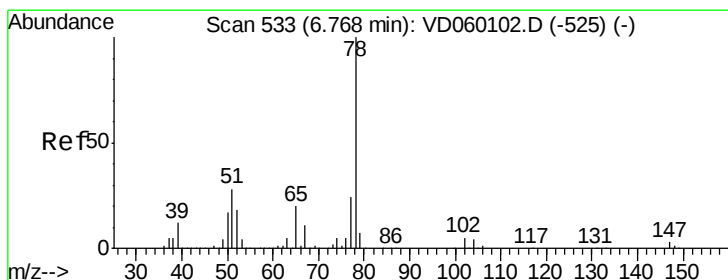
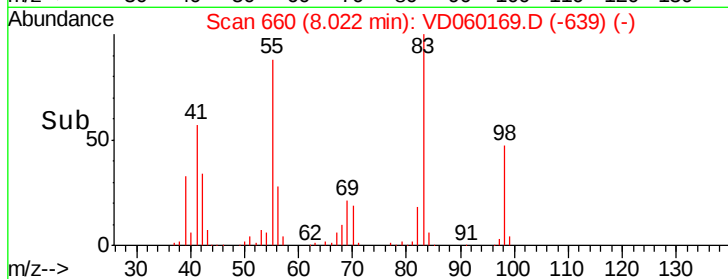
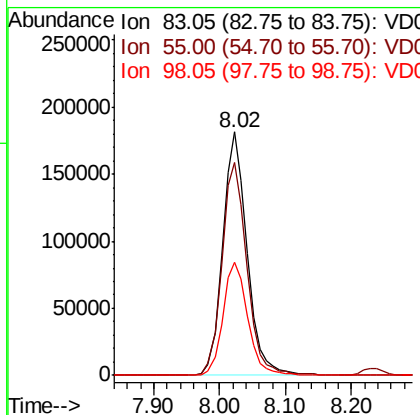
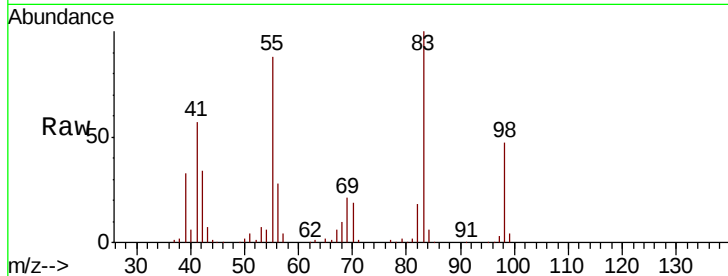
#39
Methvlcvclohexane
Concen: 20.971 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	70.5	105.7
98	46.6	39.4	59.2

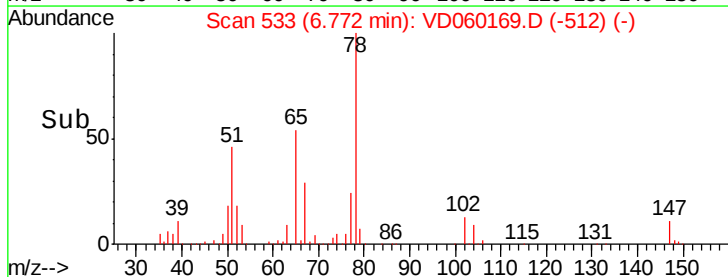
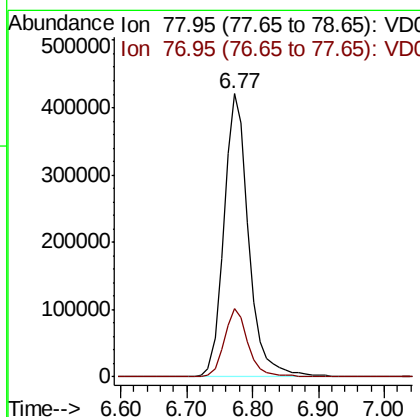
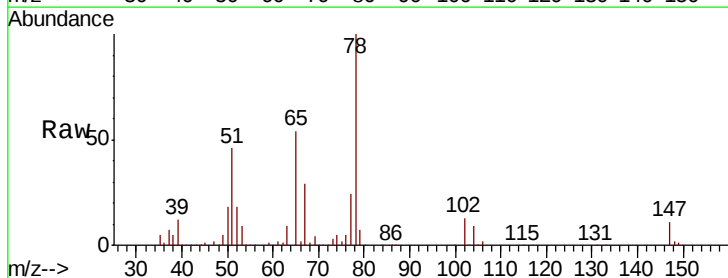
Manual Integrations
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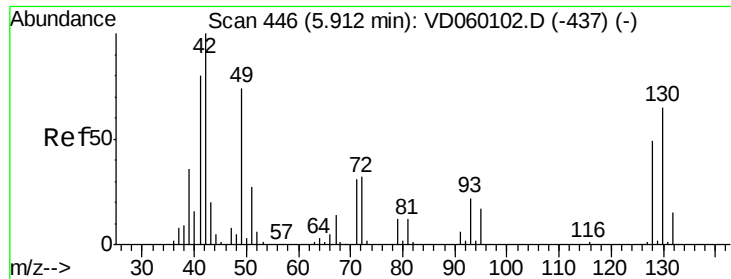
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#40
Benzene
Concen: 21.425 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 22.125 ug/l m

RT: 5.92 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 41 Resp: 163330

Ion Ratio Lower Upper

41 100

39 47.3 36.0 54.0

67 24.3 13.9 20.9#

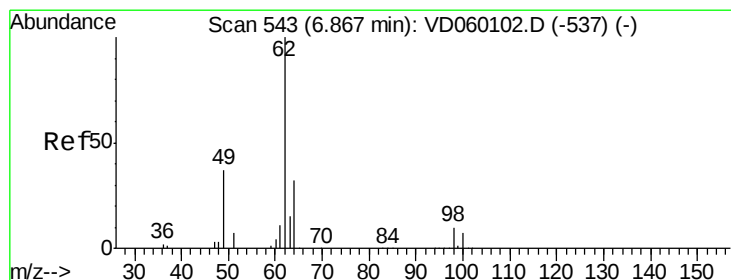
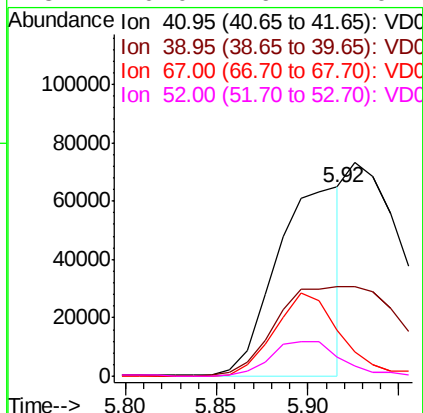
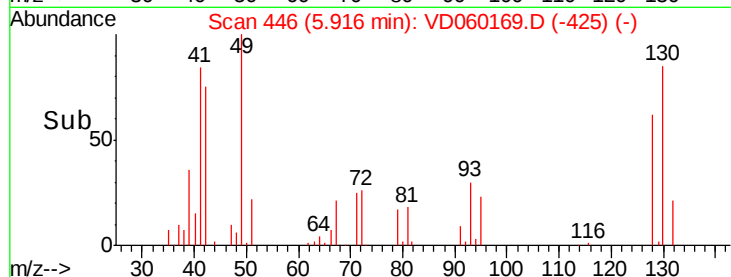
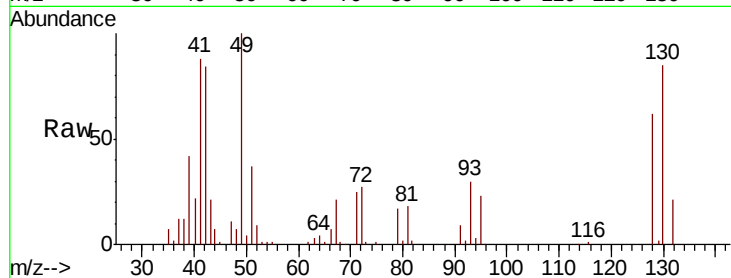
52 10.0 6.1 9.1#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 21.806 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060169.D

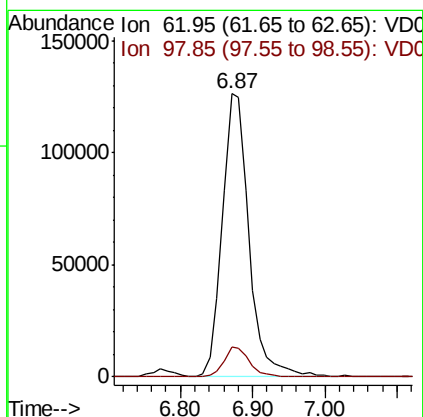
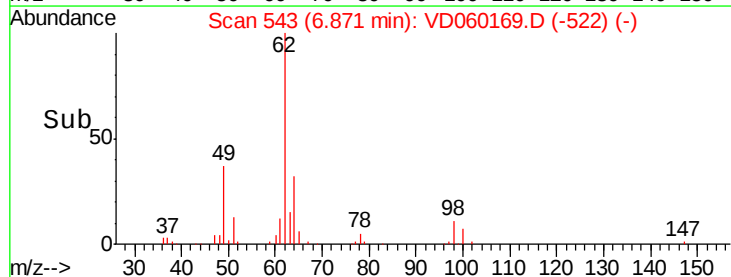
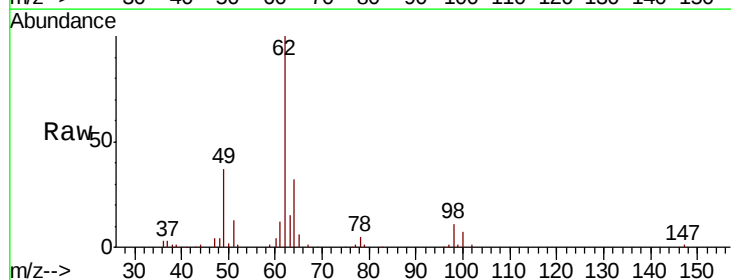
Acq: 10 Oct 2018 12:17

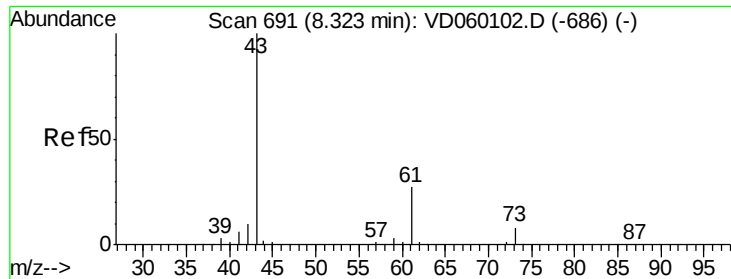
Tgt Ion: 62 Resp: 321833

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.6





#43

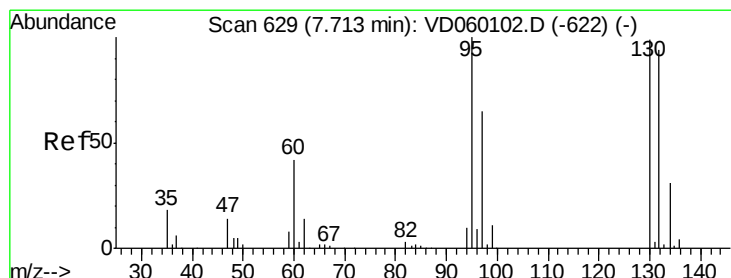
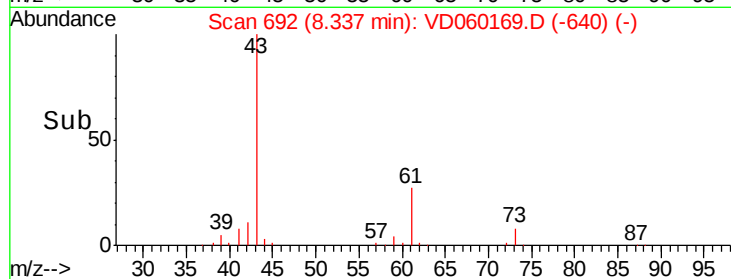
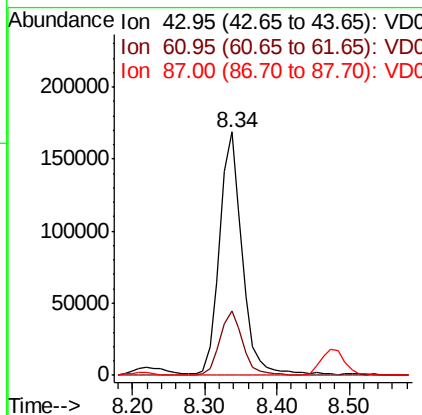
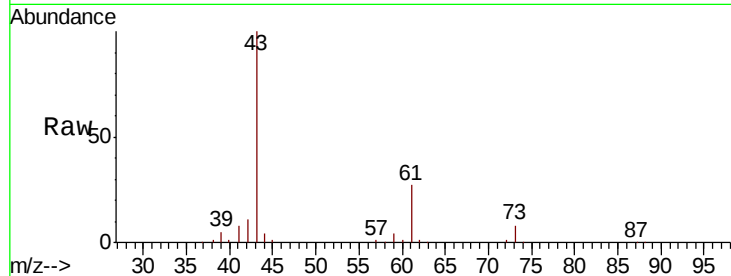
Isopropyl Acetate
 Concen: 20.983 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.4	32.2
87	0.3	0.2	0.2#

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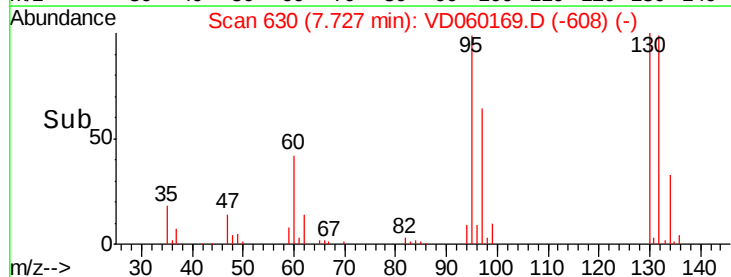
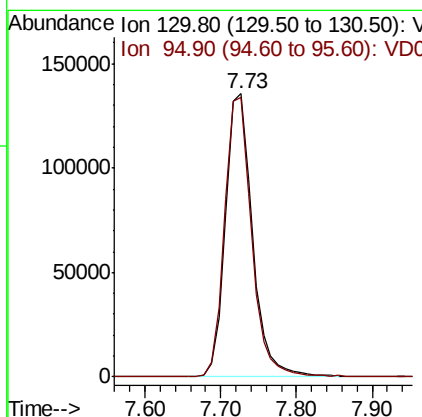
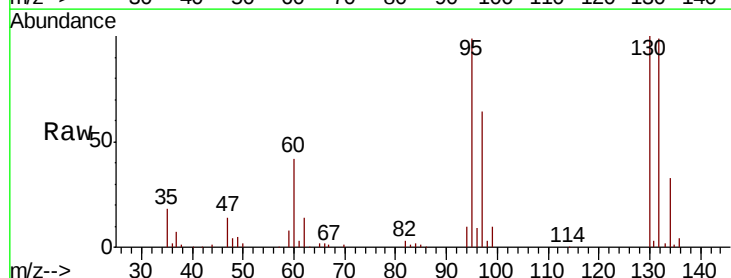
apatel
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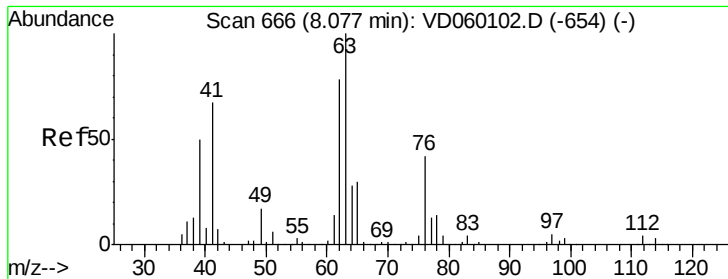


#44

Trichloroethene
 Concen: 20.937 ug/l
 RT: 7.73 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	202.2





#45

1,2-Dichloropropane

Concen: 21.755 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 63 Resp: 293244

Ion Ratio Lower Upper

63 100

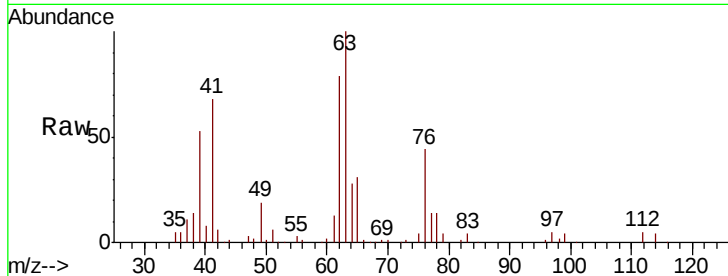
65 30.7 24.1 36.1

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

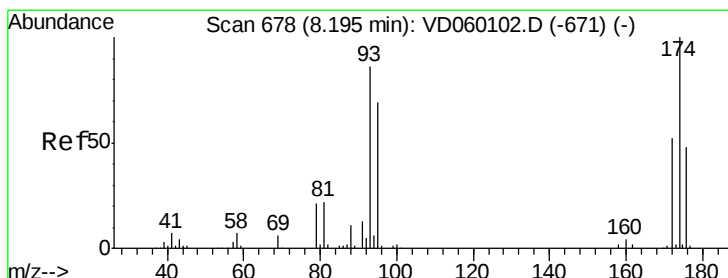
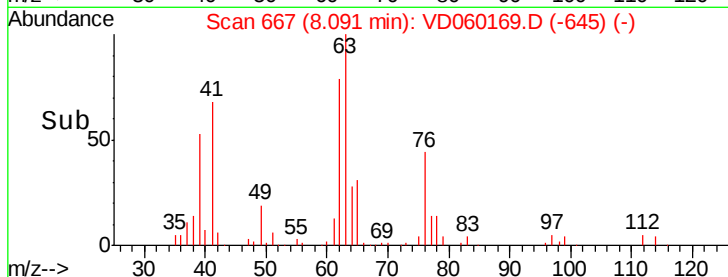
8.09

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 21.141 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

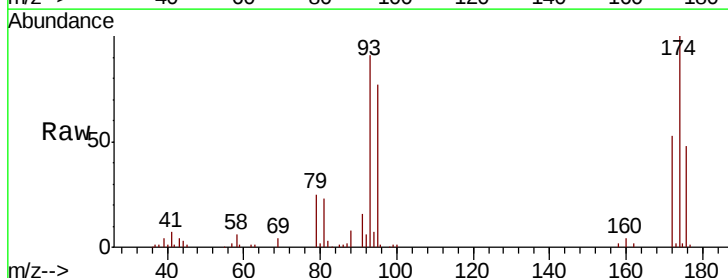
Tgt Ion: 93 Resp: 184487

Ion Ratio Lower Upper

93 100

95 83.7 63.8 95.6

174 109.4 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

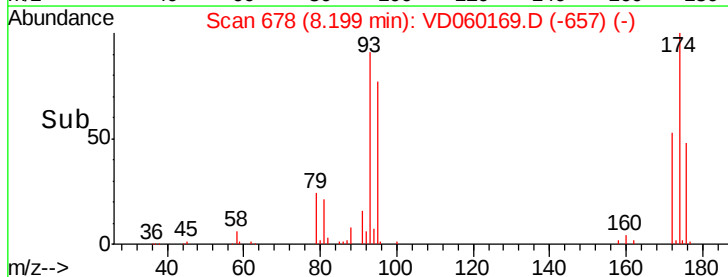
60000

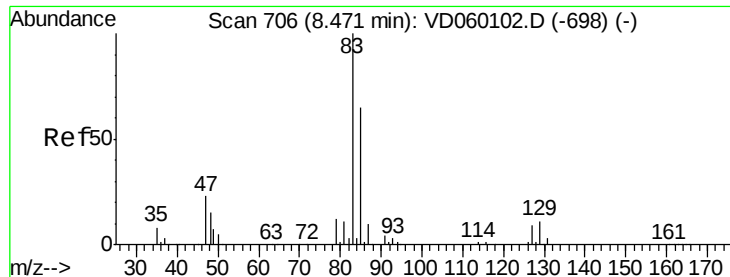
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 22.064 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

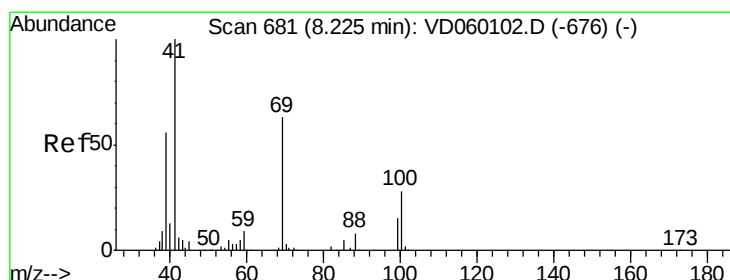
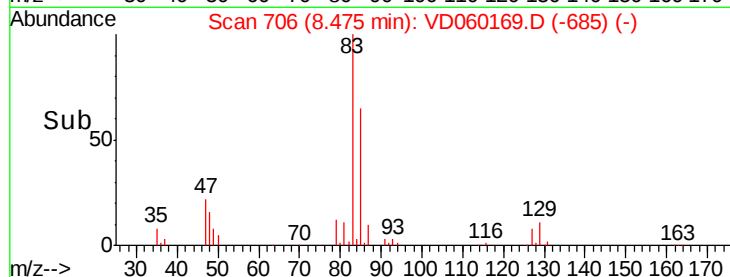
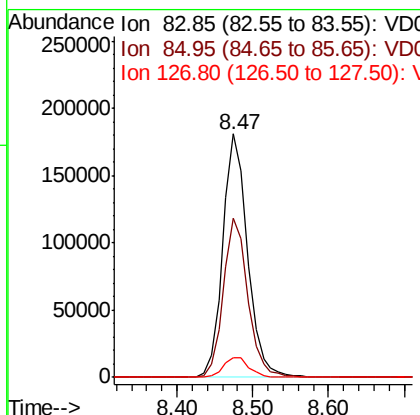
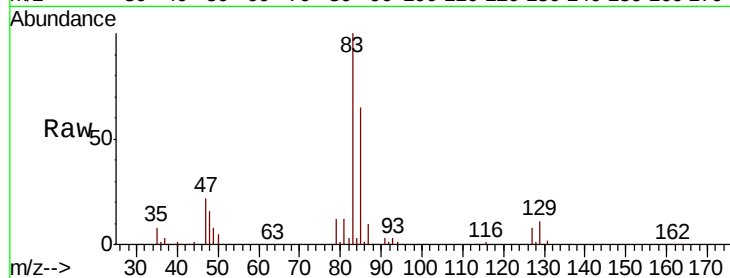
ClientSampleId :

VD1010SBS01

Tot Ion:	83	Resp:	410263
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2
127	8.1	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.499 ug/l

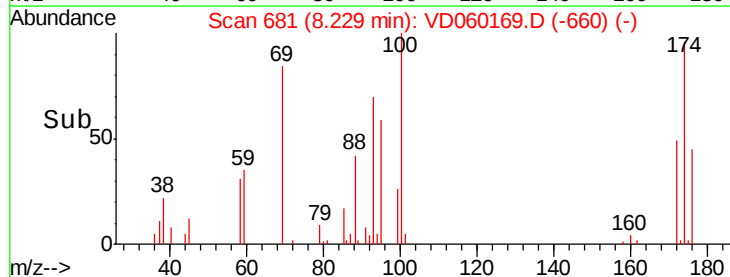
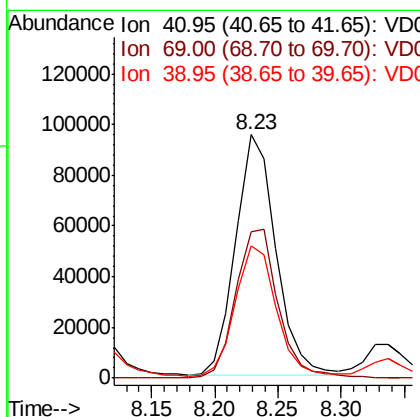
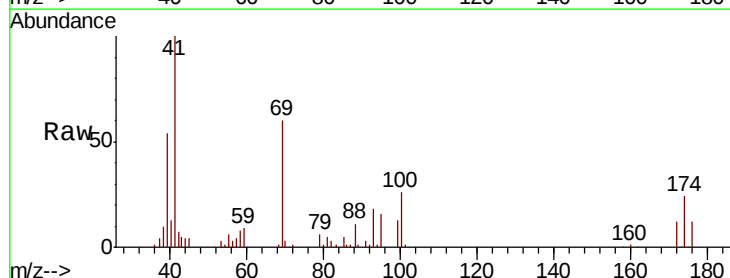
RT: 8.23 min Scan# 681

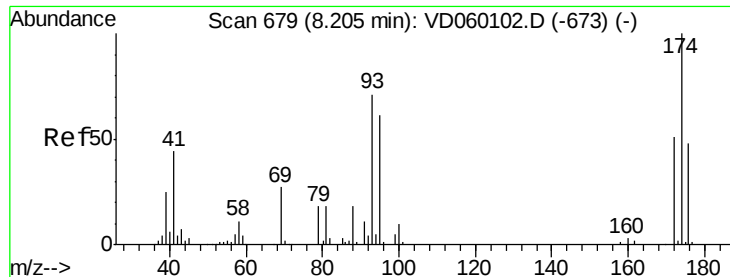
Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion:	41	Resp:	210429
Ion	Ratio	Lower	Upper
41	100		
69	60.4	49.7	74.5
39	54.2	45.2	67.8





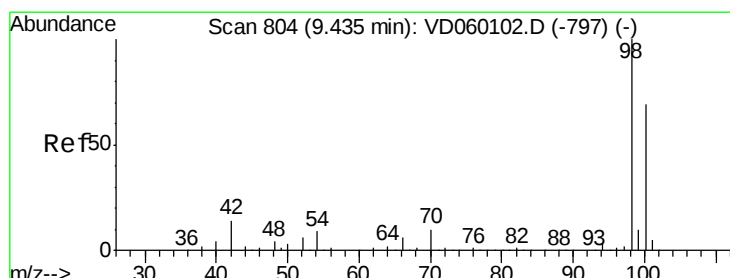
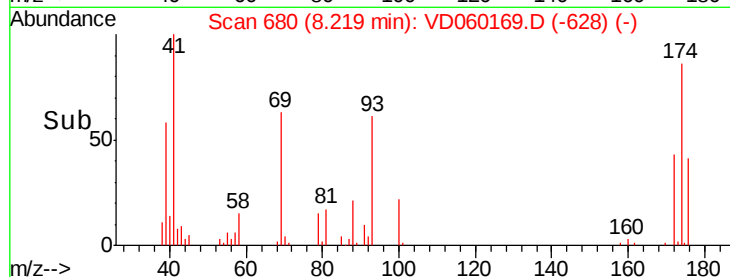
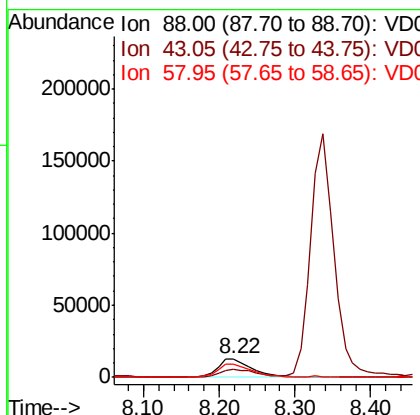
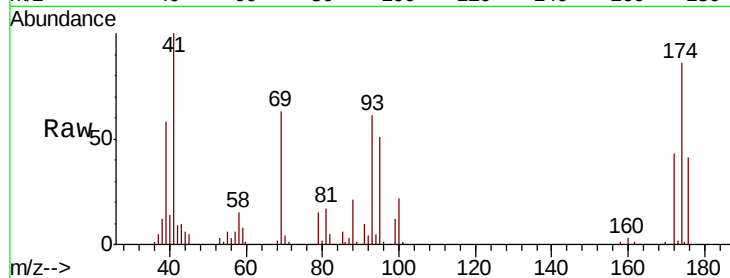
#49
1,4-Dioxane
Concen: 428.658 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	88	Resp	41281
Ion Ratio	Lower	Upper	
88	100		
43	46.2	33.7	50.5
58	70.5	49.1	73.7

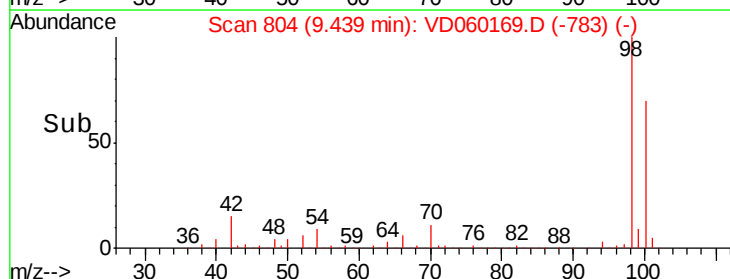
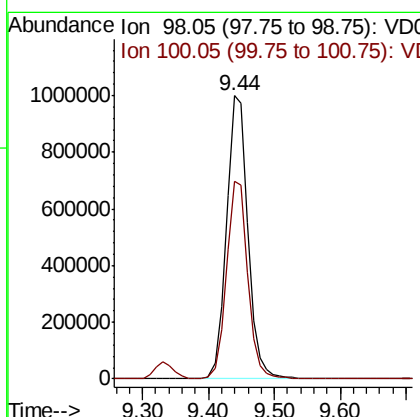
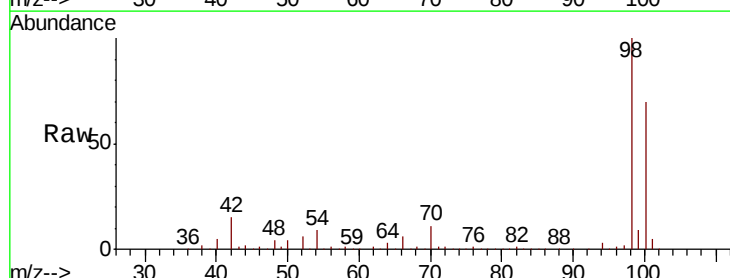
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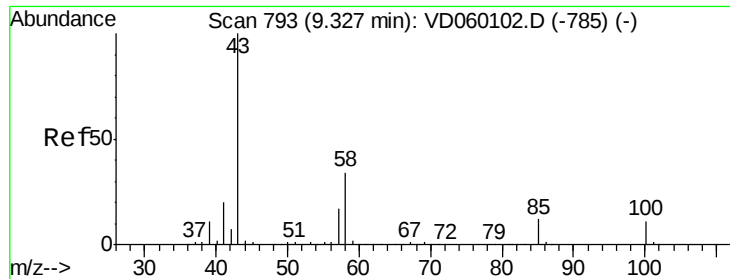
apatel
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#50
Toluene-d8
Concen: 428.658 ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	98	Resp	2278603
Ion Ratio	Lower	Upper	
98	100		
100	69.9	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 113.452 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 43 Resp: 1229566

Ion Ratio Lower Upper

43 100

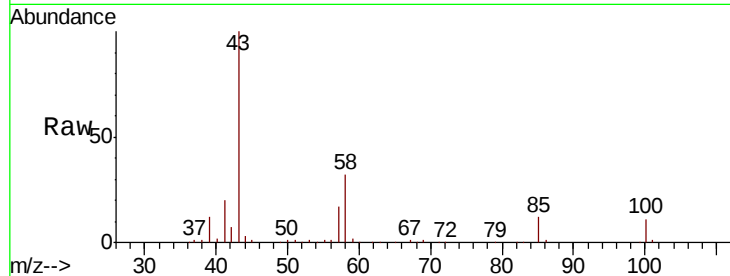
58 32.0 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

600000

500000

400000

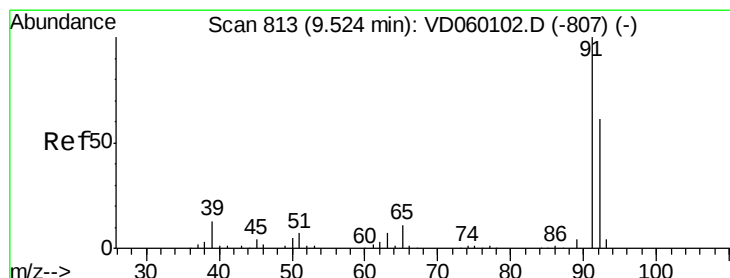
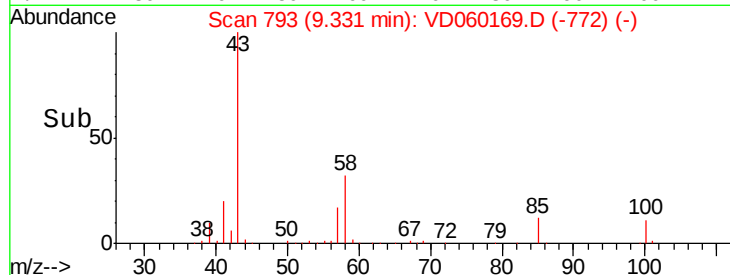
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.356 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060169.D

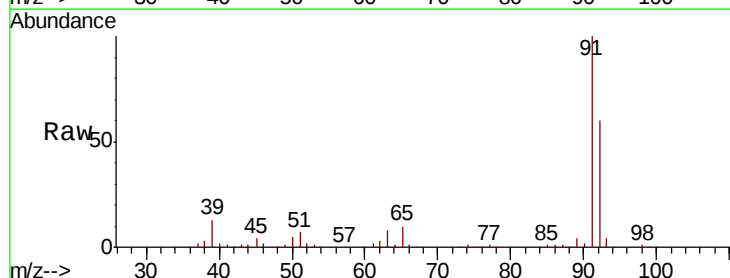
Acq: 10 Oct 2018 12:17

Tgt Ion: 92 Resp: 708036

Ion Ratio Lower Upper

92 100

91 165.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

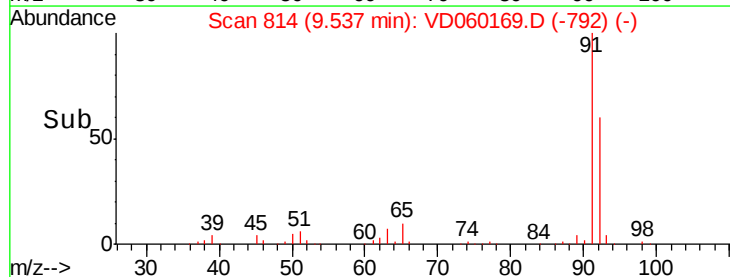
300000

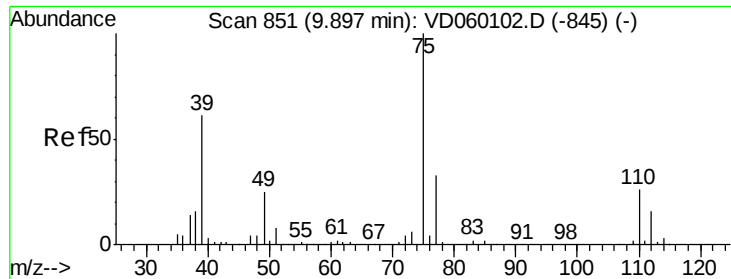
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.589 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tot Ion: 75 Resp: 380051

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

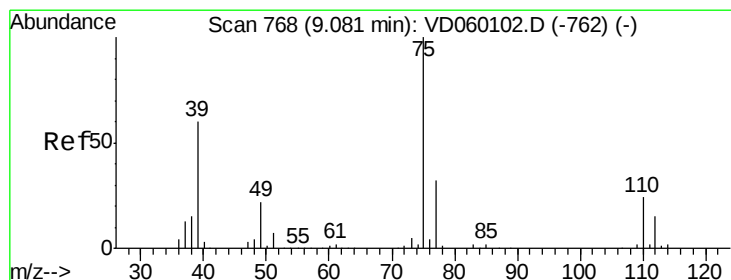
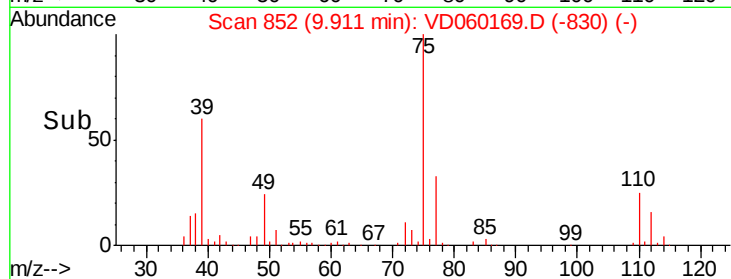
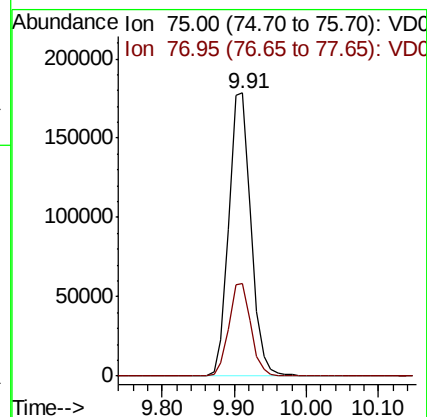
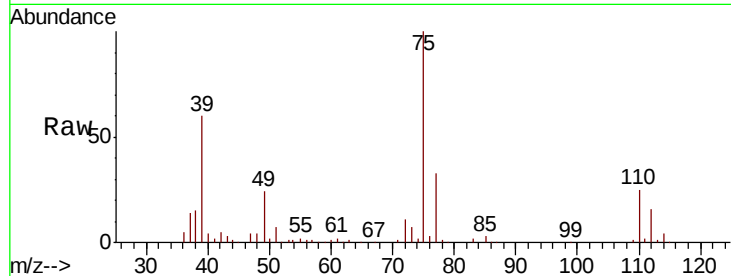
VD1010SBS01

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#54

cis-1,3-Dichloropropene

Concen: 21.940 ug/l

RT: 9.08 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

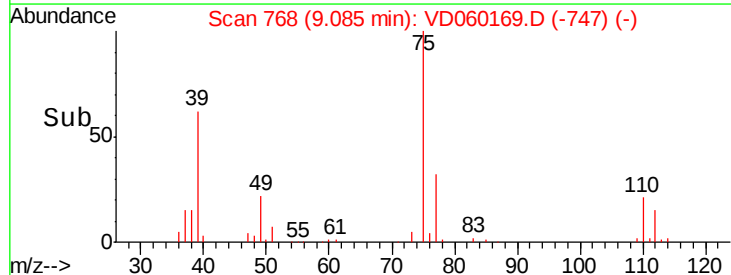
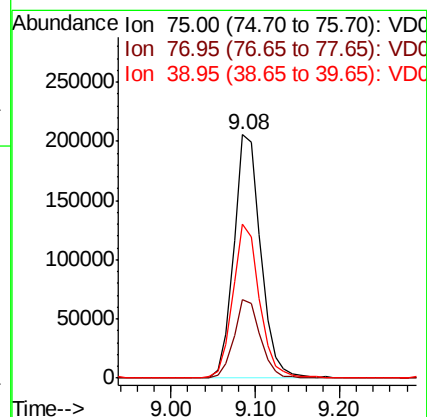
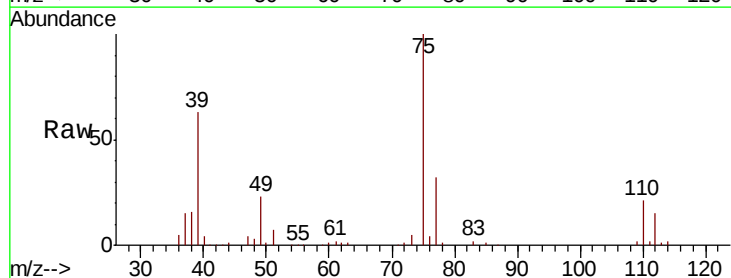
Tgt Ion: 75 Resp: 455826

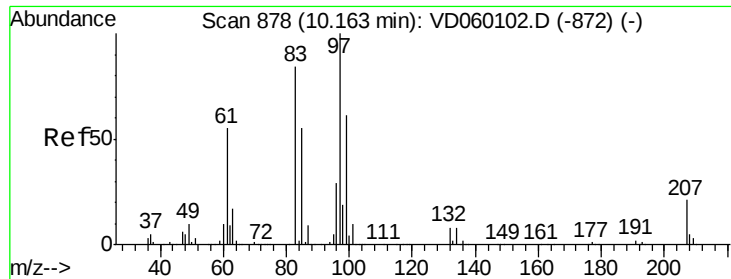
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 63.1 48.2 72.4





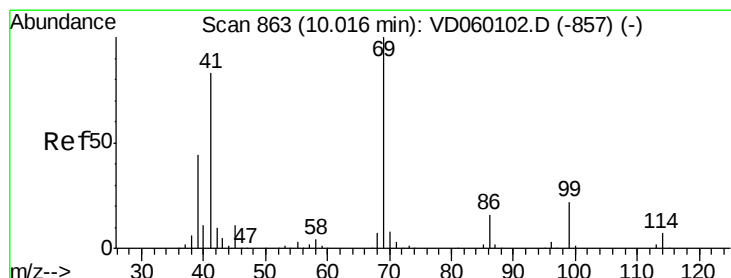
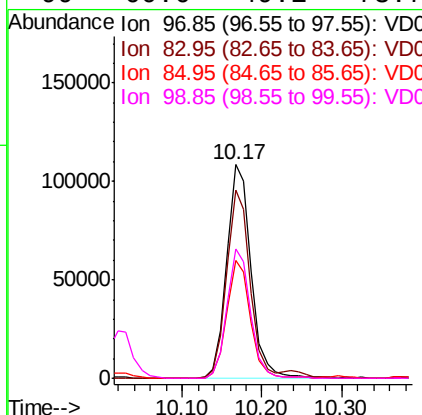
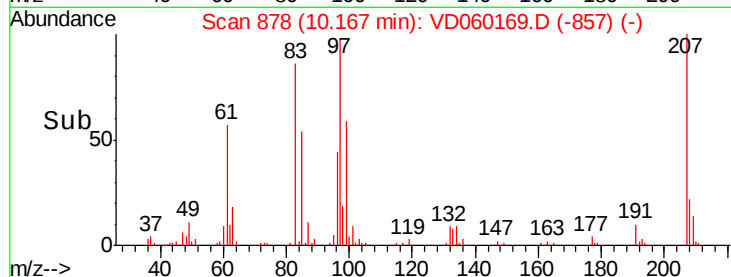
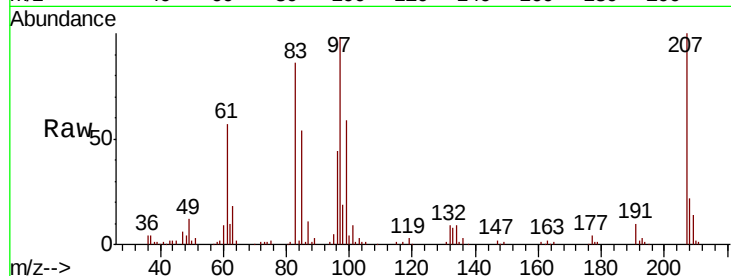
#55
1,1,2-Trichloroethane
Concen: 21.549 ug/l
RT: 10.17 min Scan# 878
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	97	Resp	233556
Ion Ratio	Lower	Upper	
97	100		
83	88.2	67.0	100.6
85	55.2	43.9	65.9
99	60.6	49.1	73.7

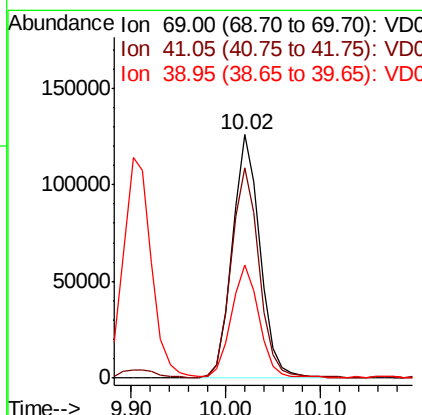
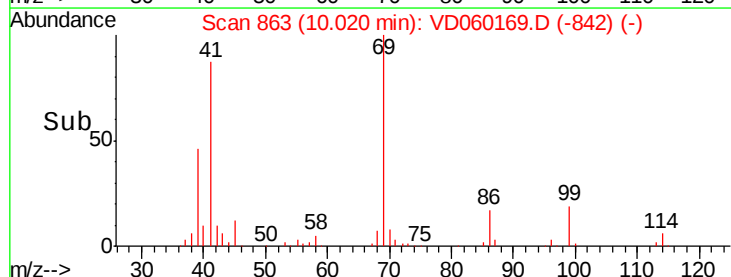
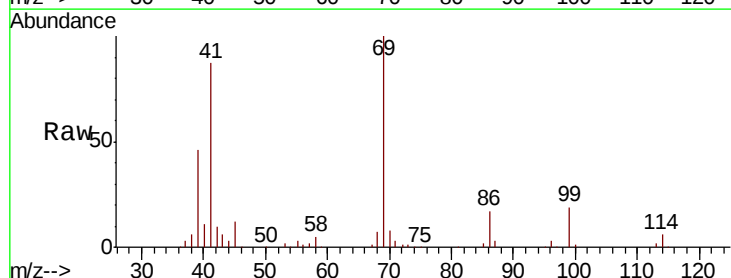
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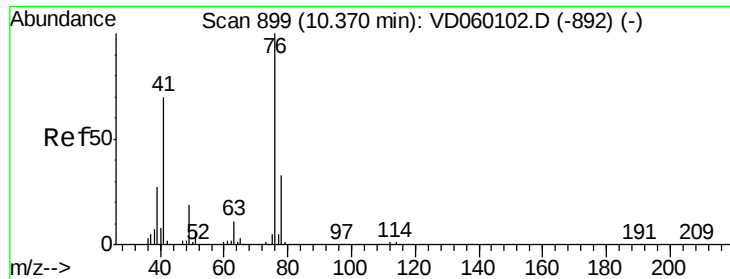
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#56
Ethyl methacrylate
Concen: 21.266 ug/l
RT: 10.02 min Scan# 863
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	69	Resp	254434
Ion Ratio	Lower	Upper	
69	100		
41	86.5	66.6	100.0
39	46.5	36.0	54.0





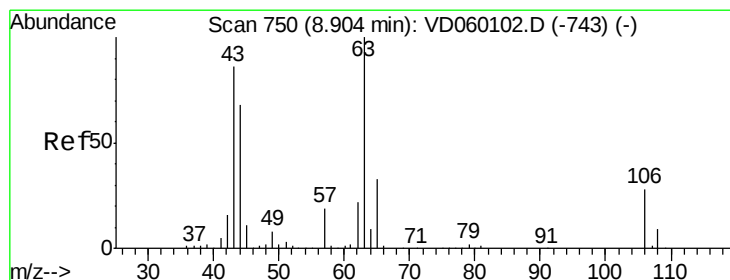
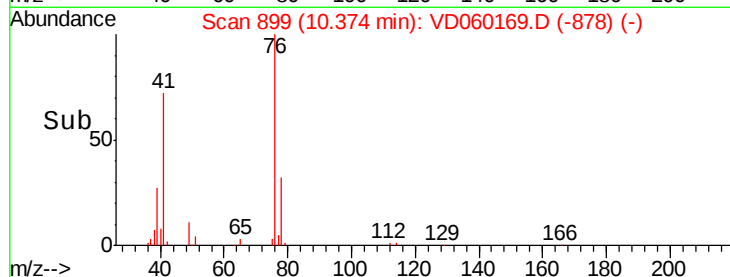
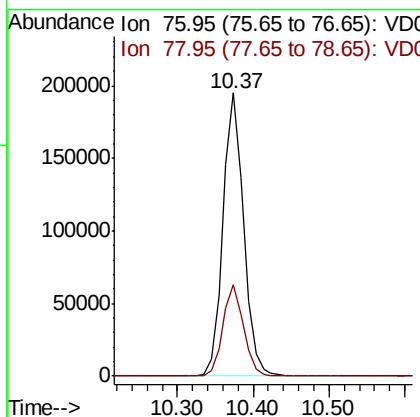
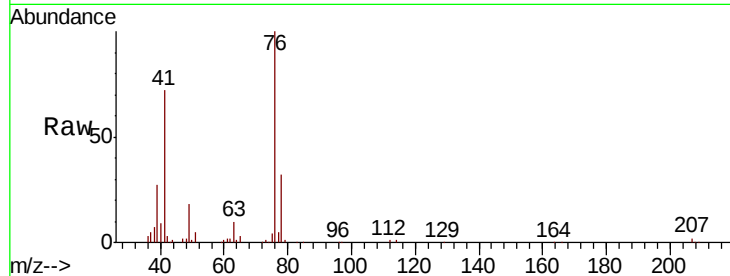
#57
 1,3-Dichloropropane
 Concen: 22.269 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

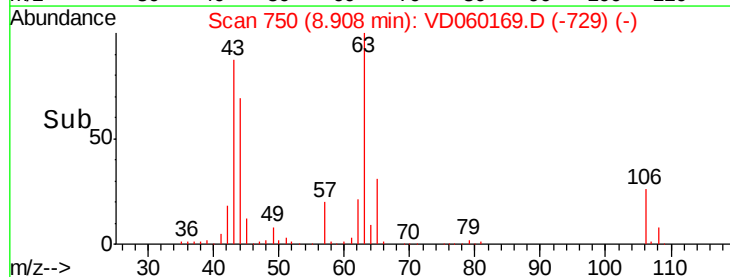
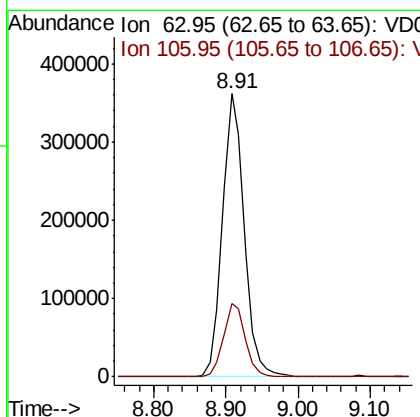
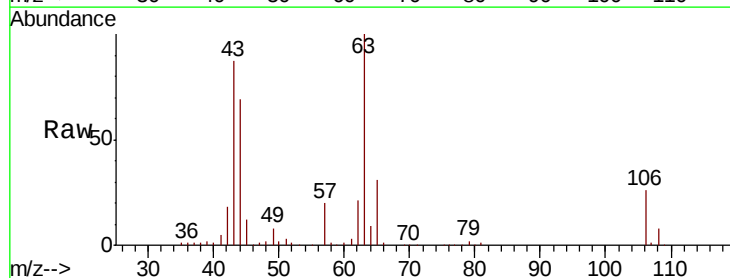
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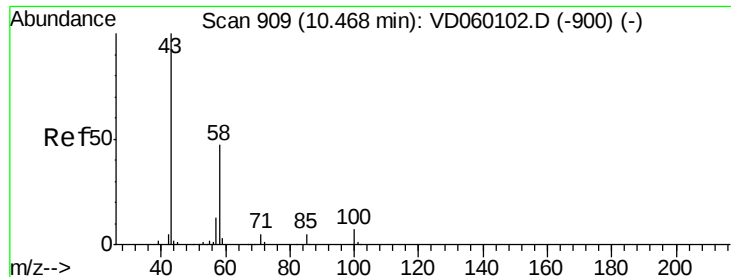
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.787 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	22.6	34.0





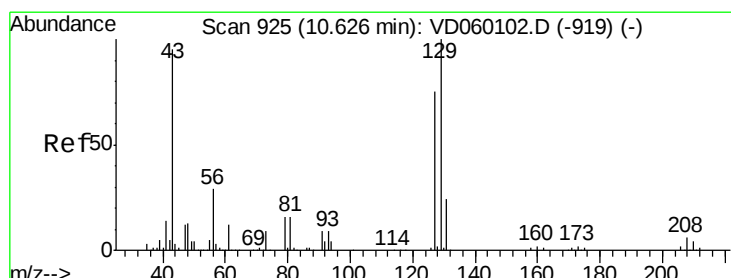
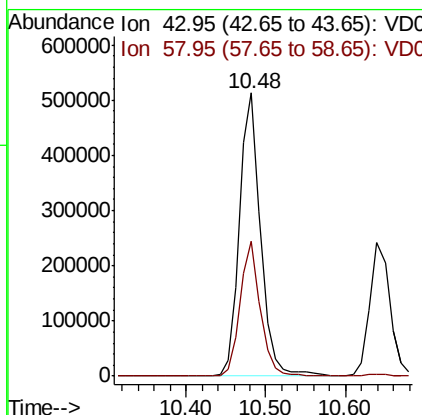
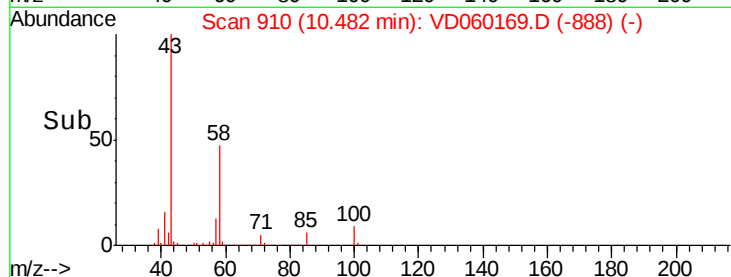
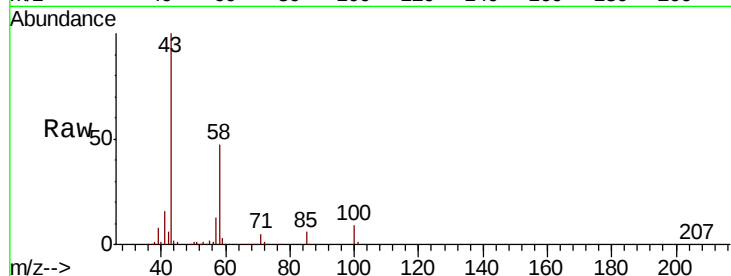
#59
2-Hexanone
Concen: 121.466 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 43 Resp: 946615
Ion Ratio Lower Upper
43 100
58 47.5 23.3 69.9

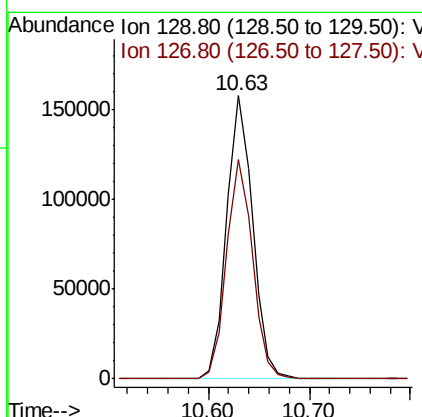
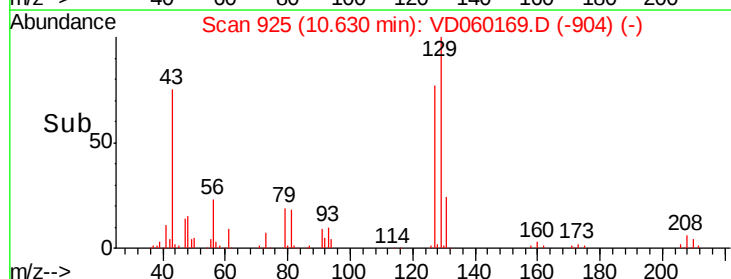
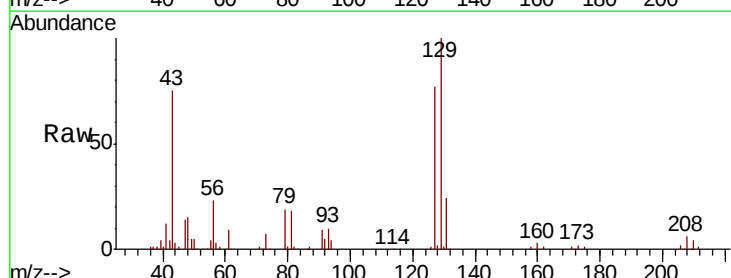
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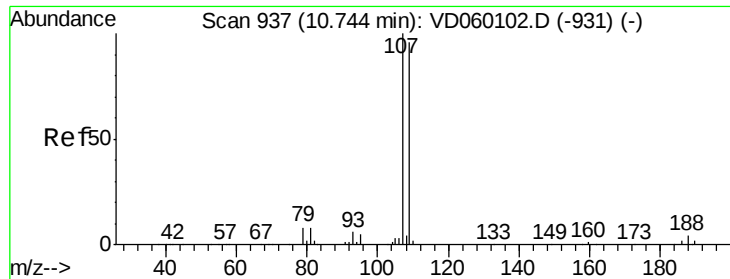
apatel
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#60
Dibromochloromethane
Concen: 21.323 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 129 Resp: 283552
Ion Ratio Lower Upper
129 100
127 77.4 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.587 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:107 Resp: 248594

Ion Ratio Lower Upper

107 100

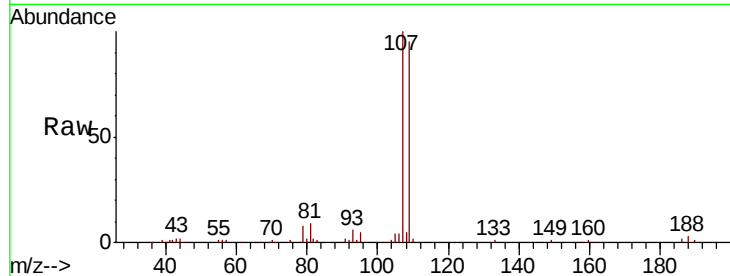
109 94.6 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

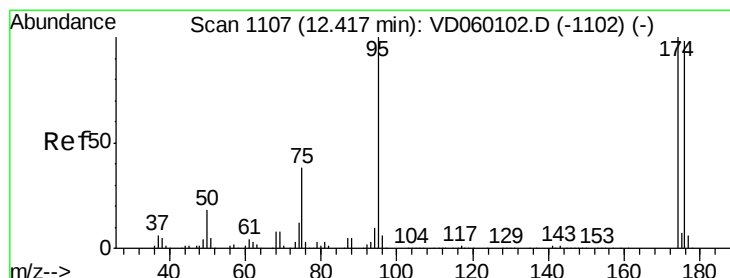
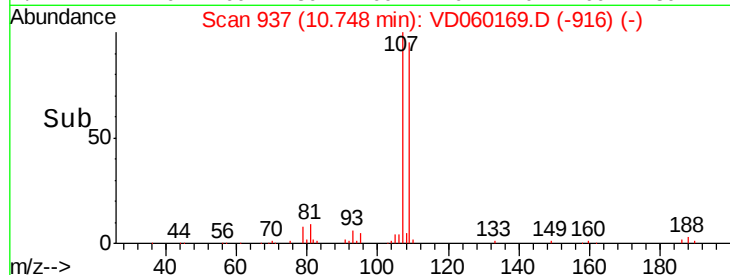
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.587 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

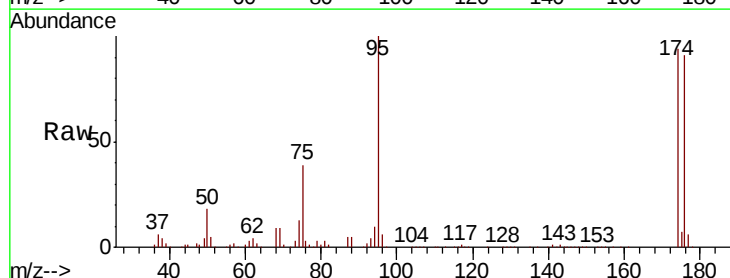
Tgt Ion: 95 Resp: 878163

Ion Ratio Lower Upper

95 100

174 93.8 0.0 200.2

176 91.2 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

800000

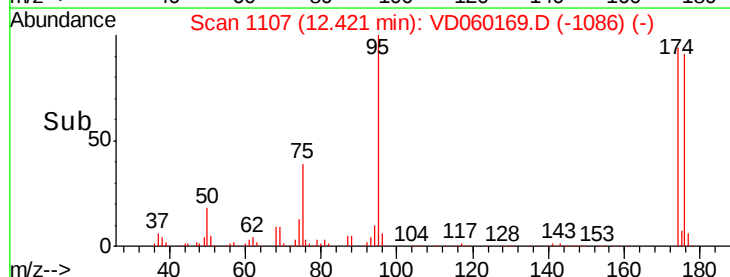
600000

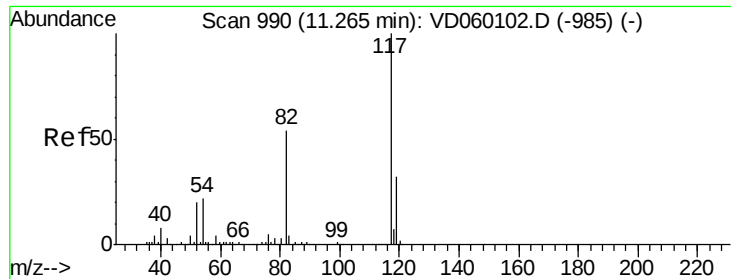
400000

200000

0

Time-->





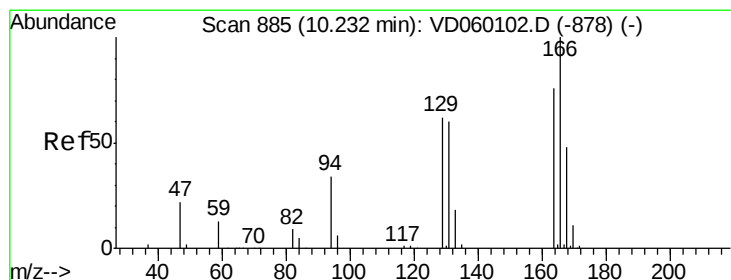
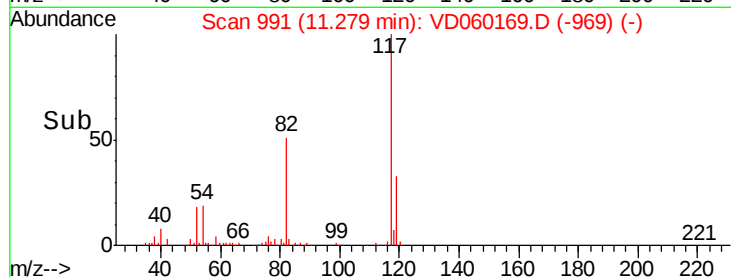
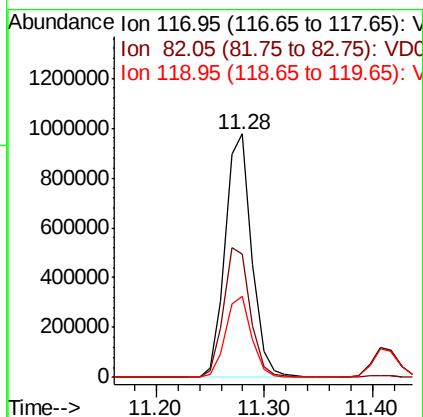
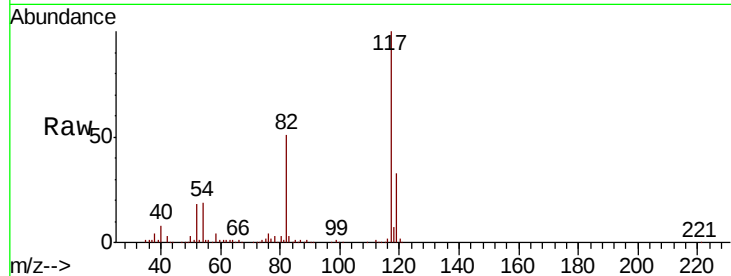
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:117 Resp: 1670943
Ion Ratio Lower Upper
117 100
82 50.6 43.4 65.2
119 33.5 26.0 39.0

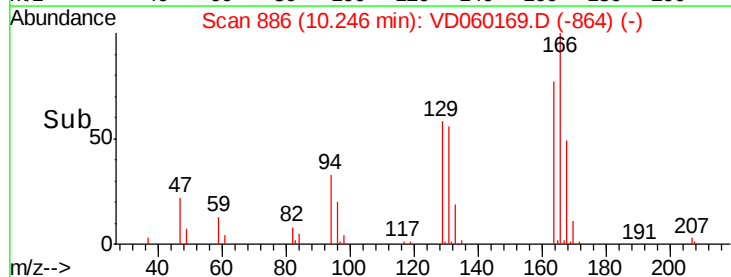
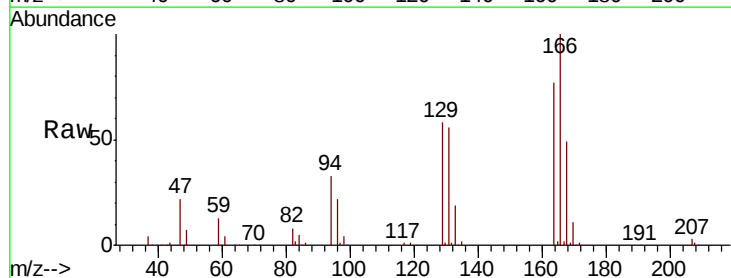
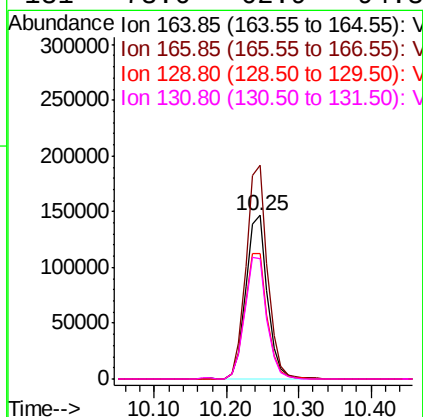
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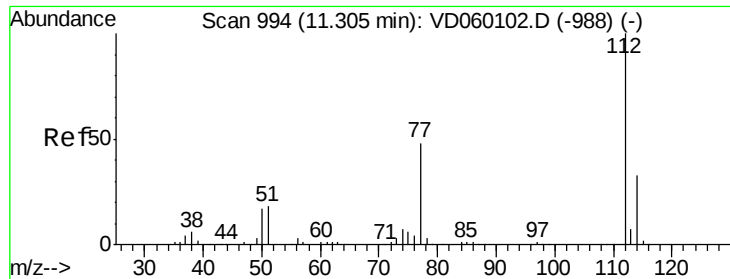
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#64
Tetrachloroethene
Concen: 21.071 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion:164 Resp: 308371
Ion Ratio Lower Upper
164 100
166 130.4 105.4 158.0
129 76.3 65.7 98.5
131 73.6 62.9 94.3





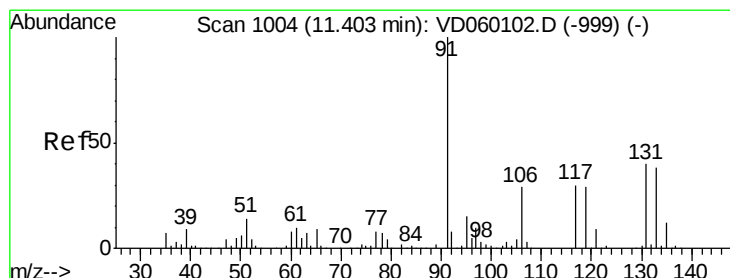
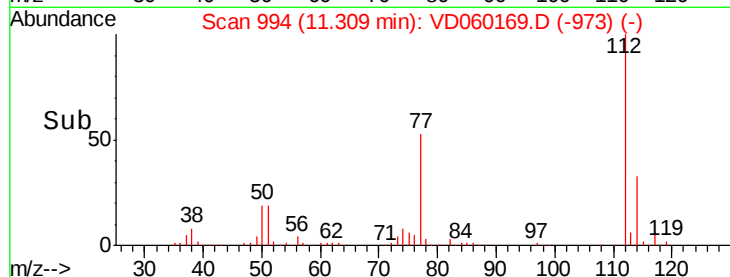
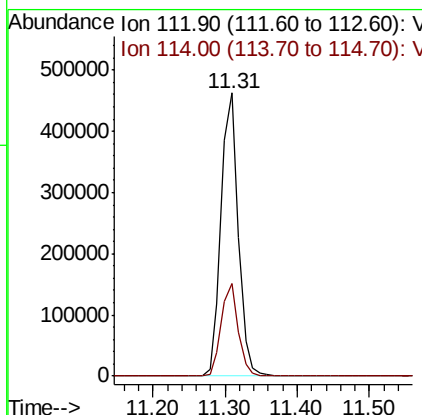
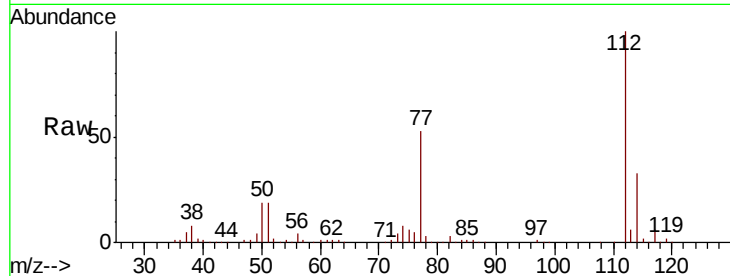
#65
Chlorobenzene
Concen: 21.082 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:112 Resp: 762073
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

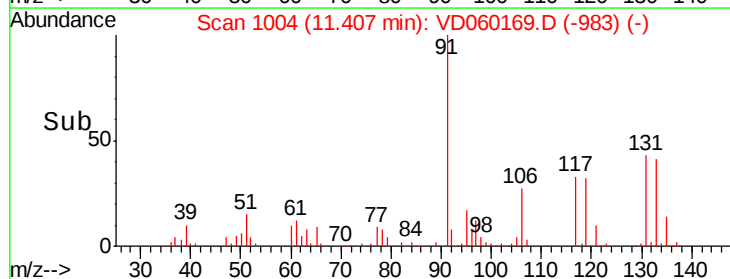
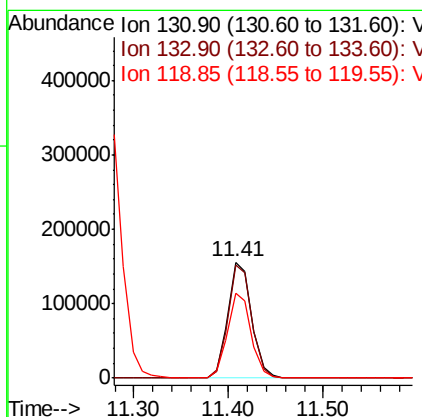
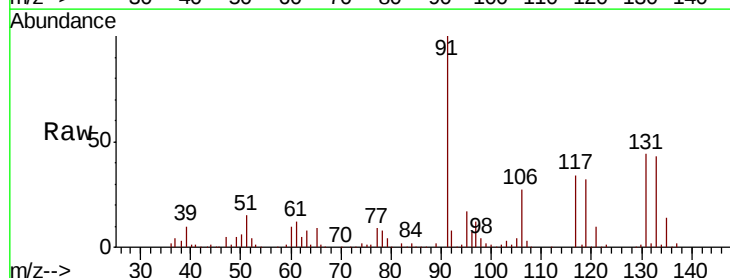
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.404 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion:131 Resp: 270169
Ion Ratio Lower Upper
131 100
133 97.7 47.4 142.3
119 73.9 36.1 108.3





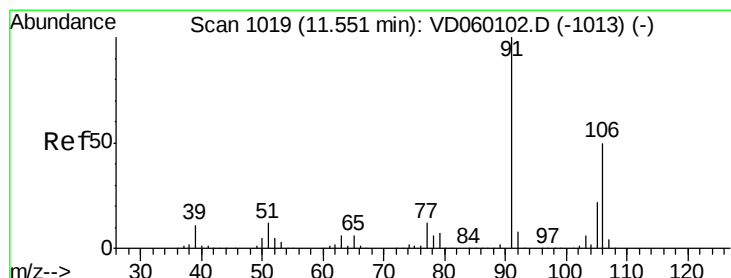
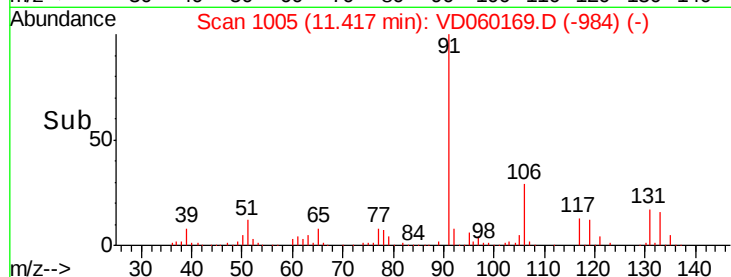
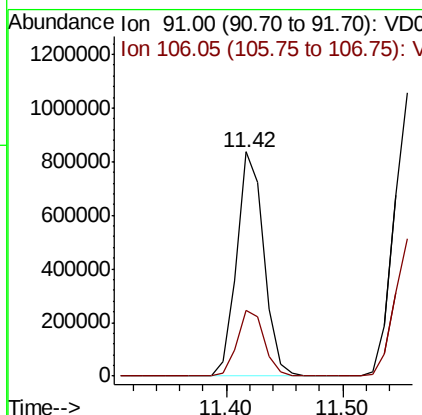
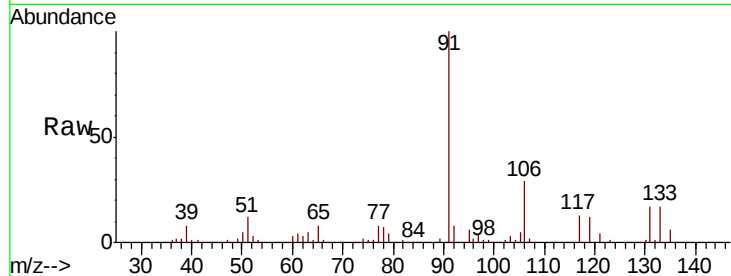
#67
Ethyl Benzene
Concen: 23.033 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 91 Resp: 1349016
Ion Ratio Lower Upper
91 100
106 29.2 24.4 36.6

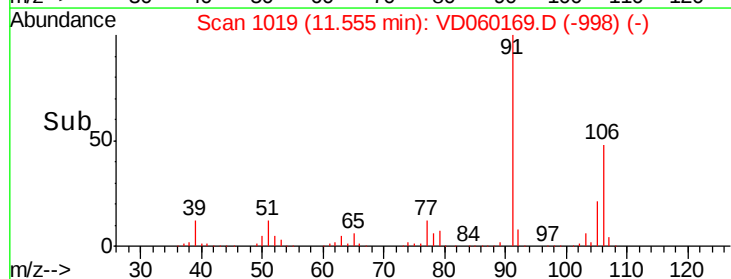
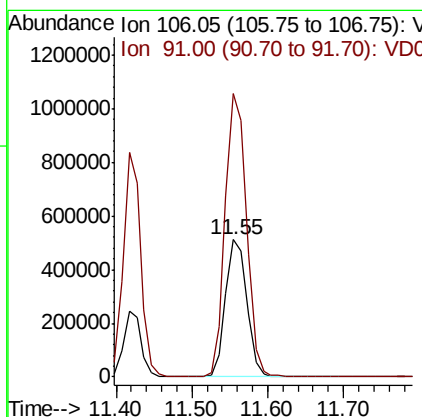
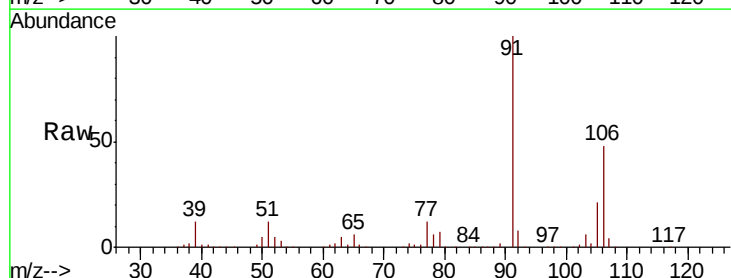
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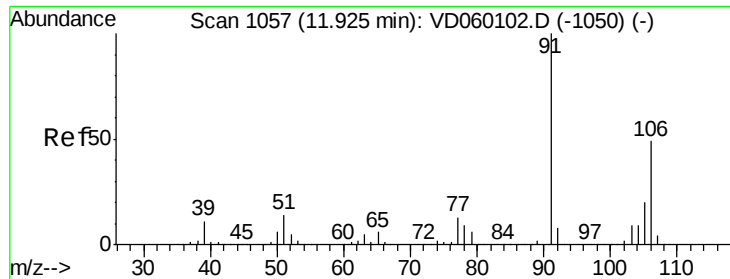
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#68
m/p-Xylenes
Concen: 45.680 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 106 Resp: 999617
Ion Ratio Lower Upper
106 100
91 206.8 160.0 240.0





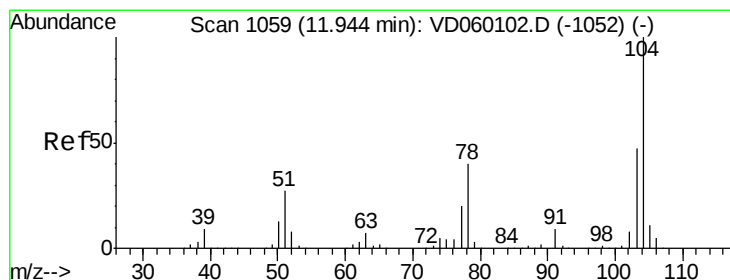
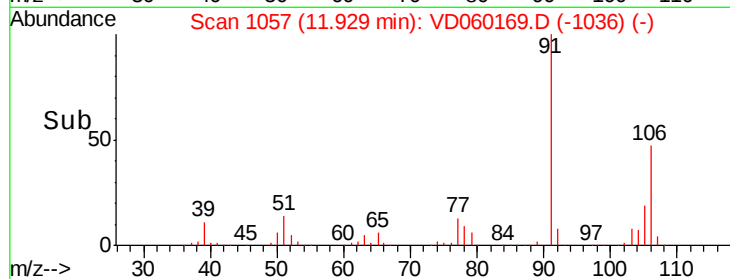
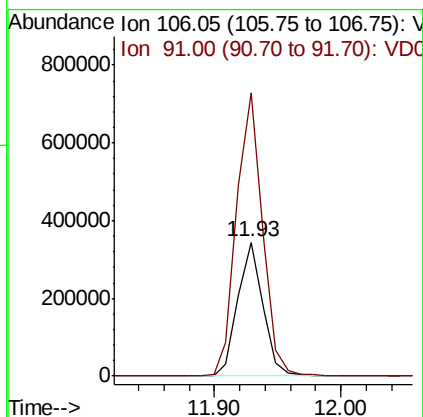
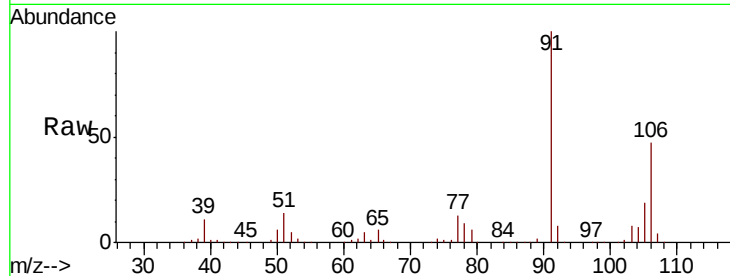
#69
o-Xylene
Concen: 21.976 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:106 Resp: 475667
Ion Ratio Lower Upper
106 100
91 210.9 102.5 307.5

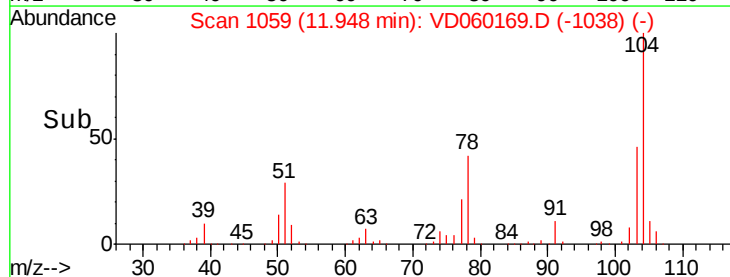
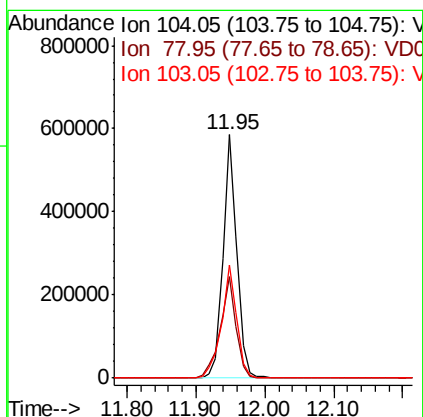
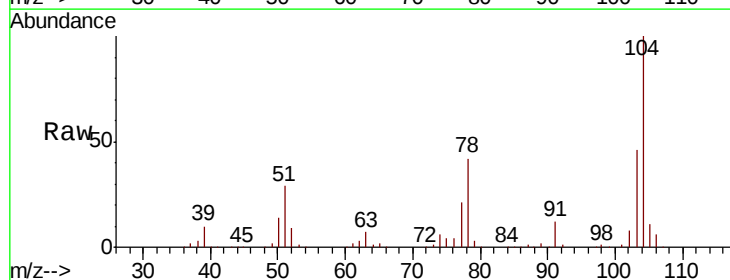
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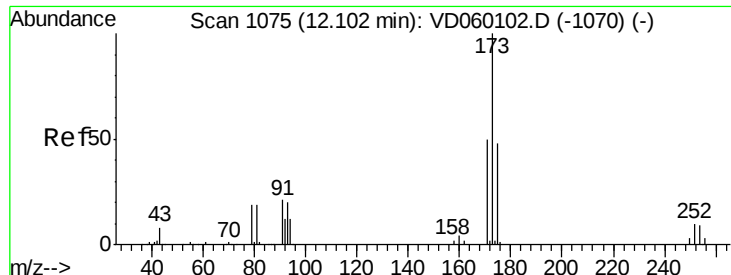
apatel
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#70
Styrene
Concen: 22.532 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion:104 Resp: 815611
Ion Ratio Lower Upper
104 100
78 41.7 32.2 48.4
103 46.2 37.4 56.0





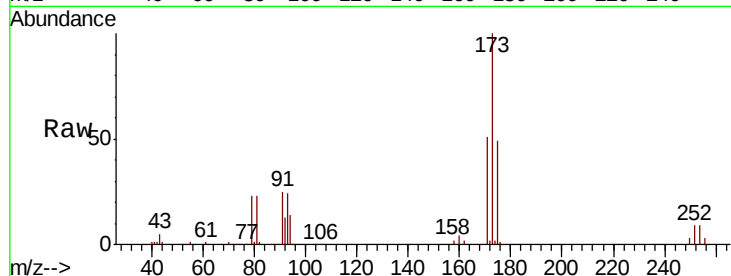
#71
Bromoform
Concen: 21.784 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

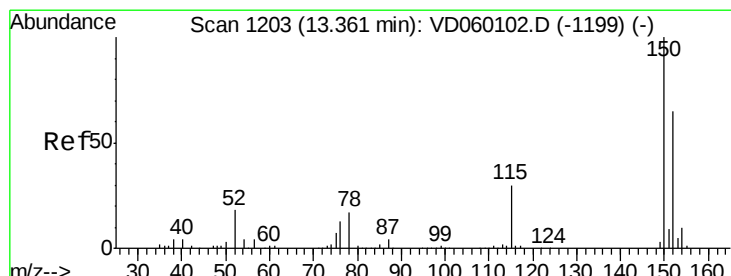
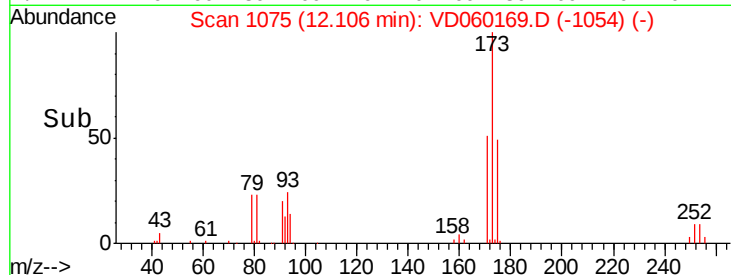
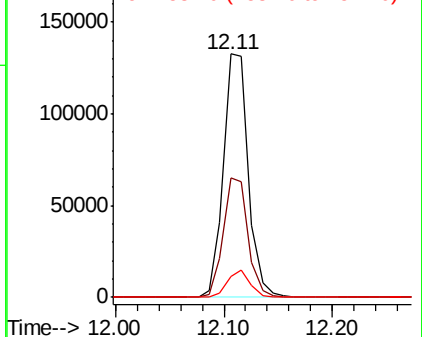
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.4
254	8.7	7.4	11.0

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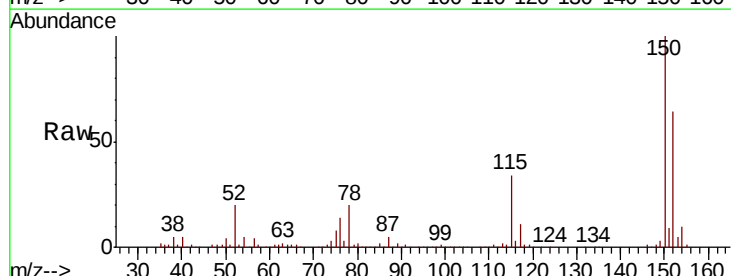


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

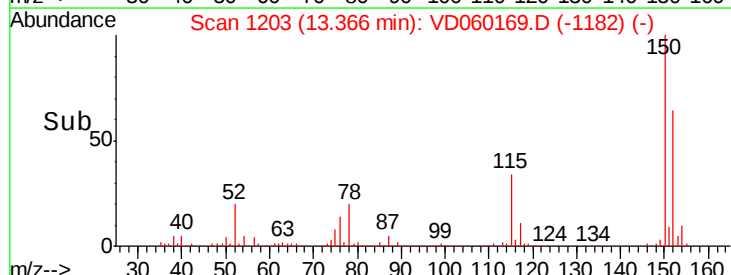
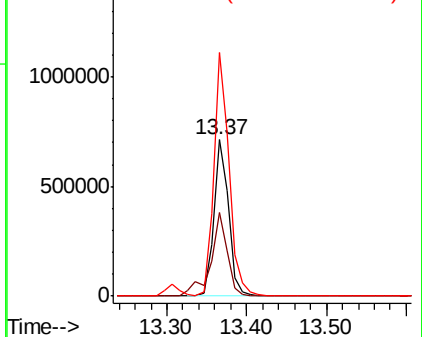


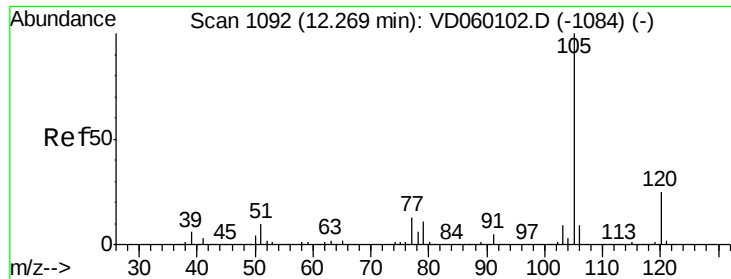
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.1	81.2
150	156.1	0.0	311.8



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





#73

Isopropylbenzene

Concen: 21.566 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:105 Resp: 1315963

Ion Ratio Lower Upper

105 100

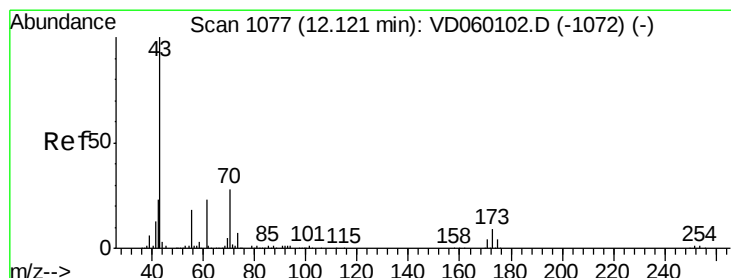
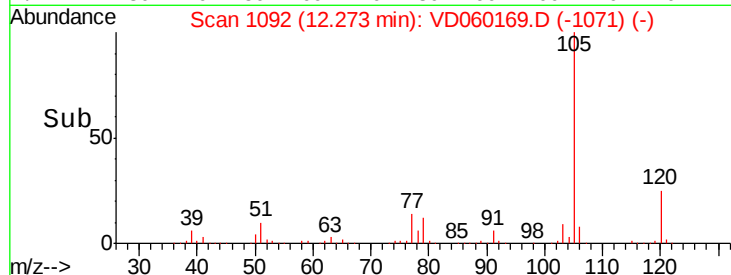
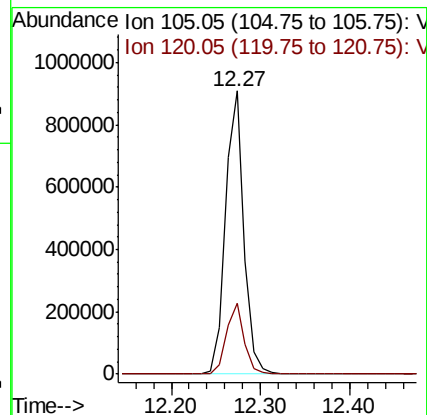
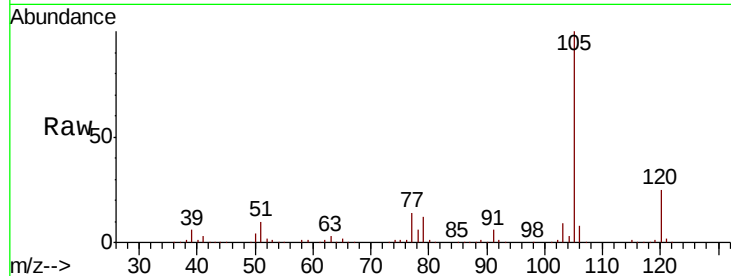
120 25.2 12.6 37.6

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#74

N-ethyl acetate

Concen: 21.538 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion: 43 Resp: 481400

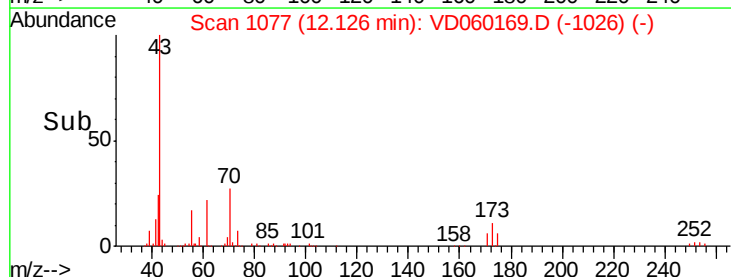
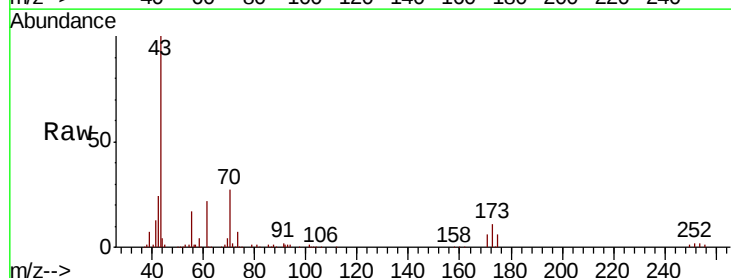
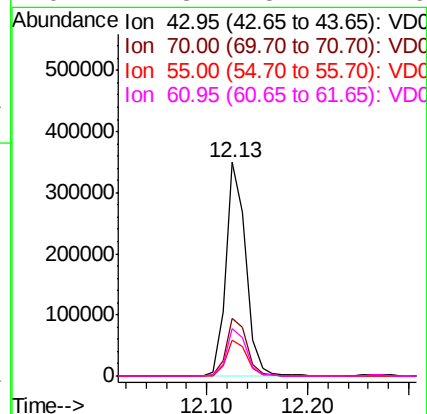
Ion Ratio Lower Upper

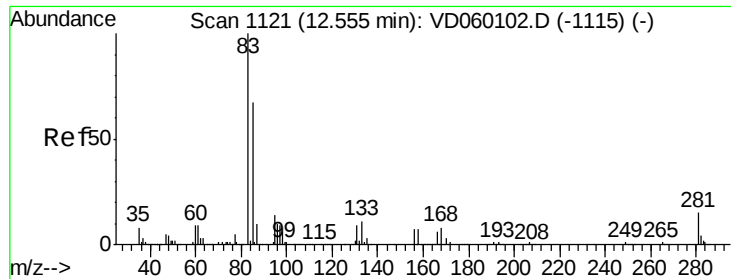
43 100

70 26.7 22.1 33.1

55 16.8 14.1 21.1

61 22.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.433 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 83 Resp: 285533

Ion Ratio Lower Upper

83 100

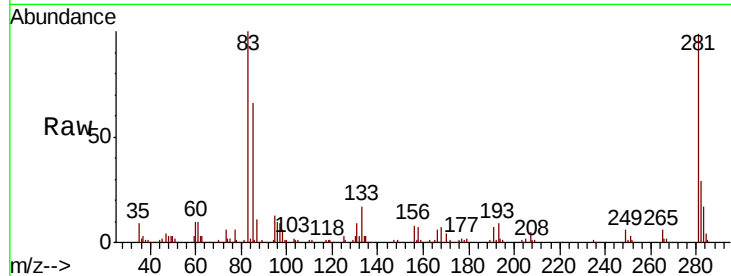
131 9.2 4.5 13.4

85 66.4 33.3 99.9

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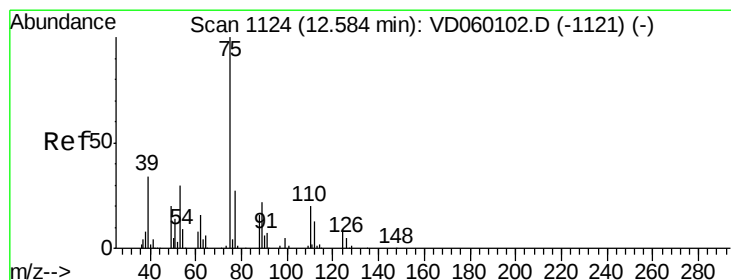
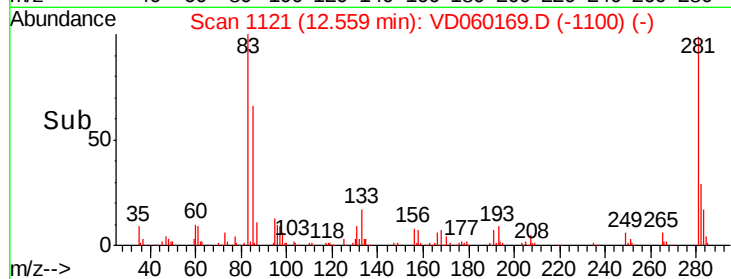
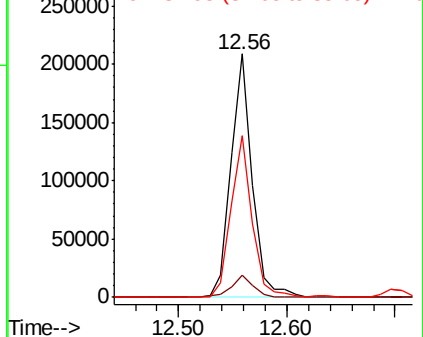
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.184 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD060169.D

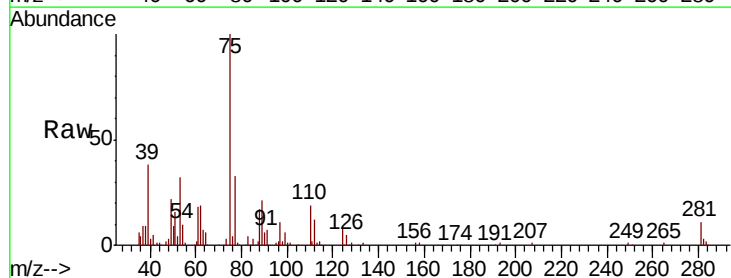
Acq: 10 Oct 2018 12:17

Tgt Ion: 75 Resp: 282178

Ion Ratio Lower Upper

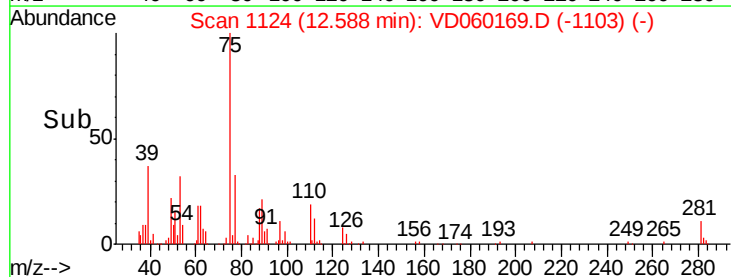
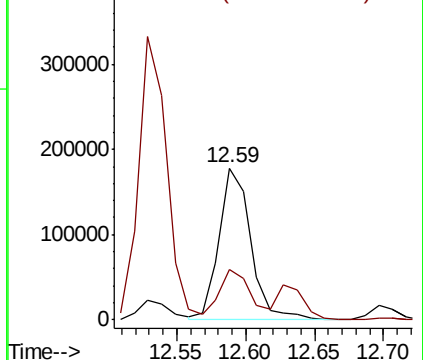
75 100

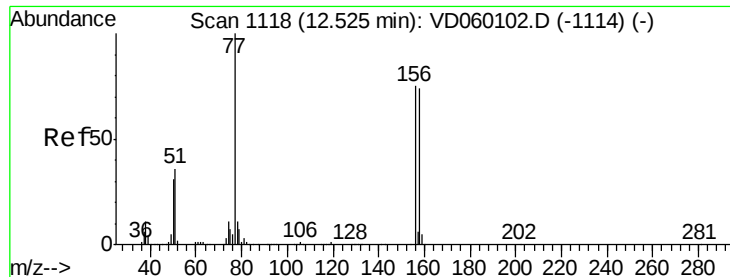
77 33.5 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.211 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

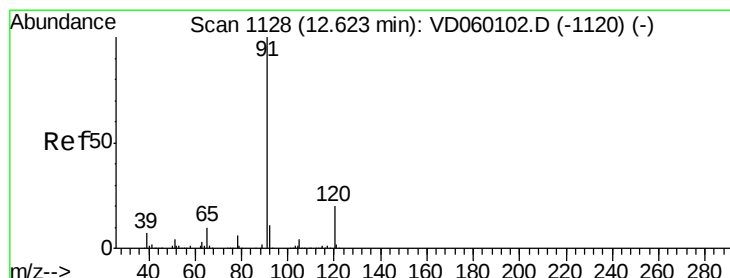
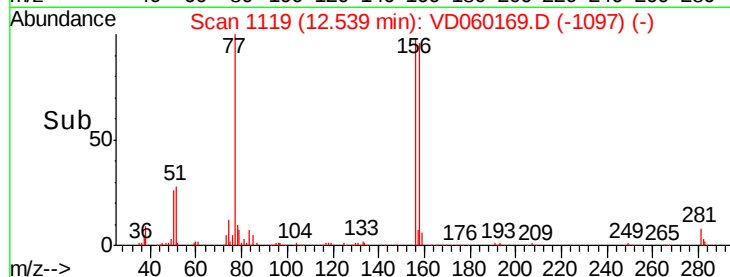
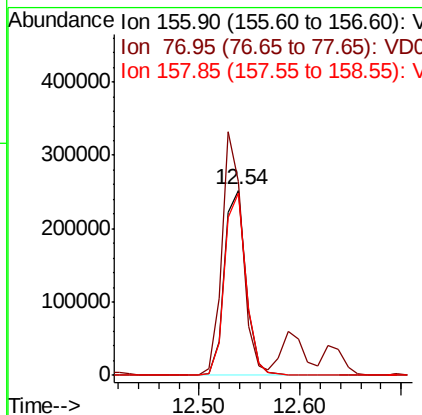
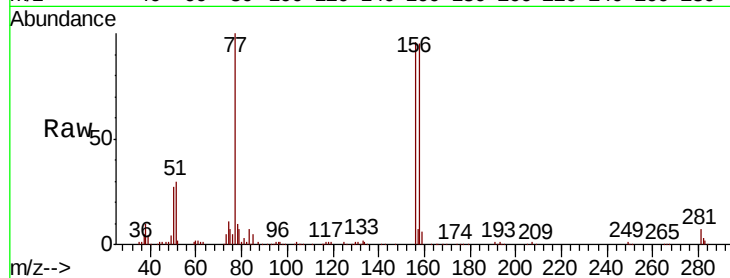
ClientSampleId :

VD1010SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	104.3	66.9	200.7
158	98.6	49.1	147.4

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#78

n-propylbenzene

Concen: 21.655 ug/l

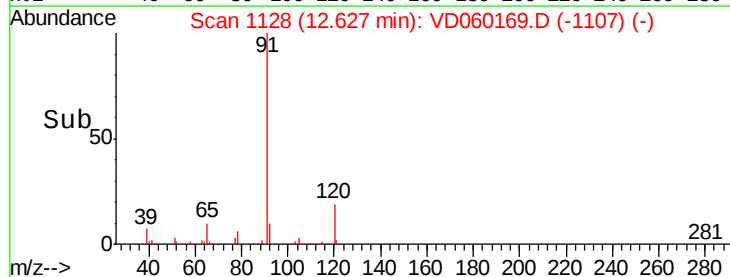
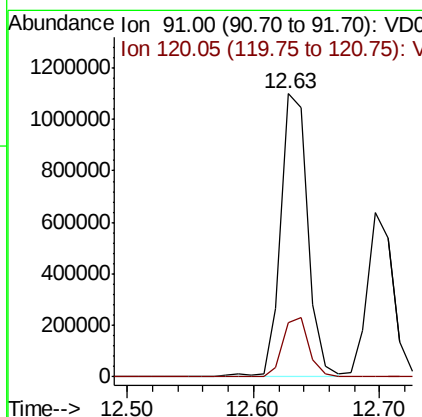
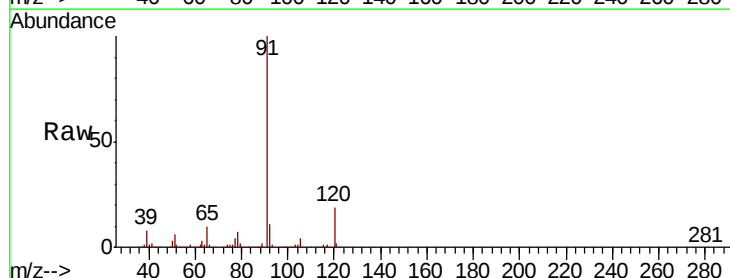
RT: 12.63 min Scan# 1128

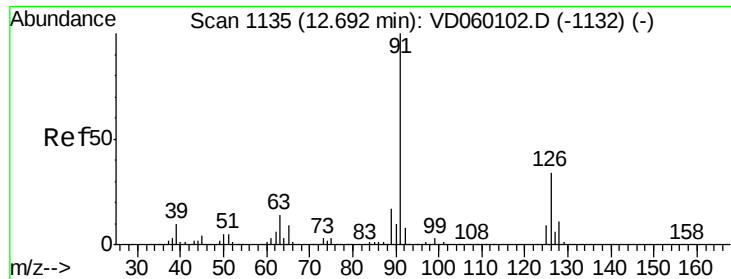
Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.0	10.0	30.0





#79

2-Chlorotoluene

Concen: 21.505 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 91 Resp: 904362

Ion Ratio Lower Upper

91 100

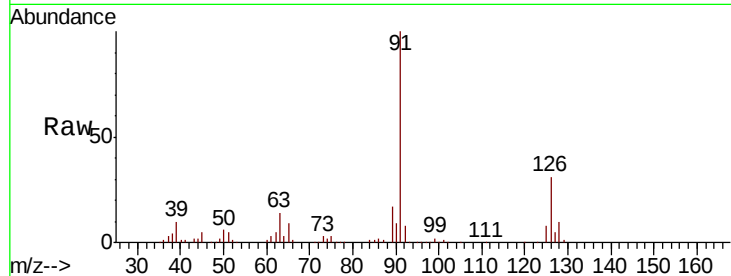
126 31.1 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

1200000

1000000

800000

600000

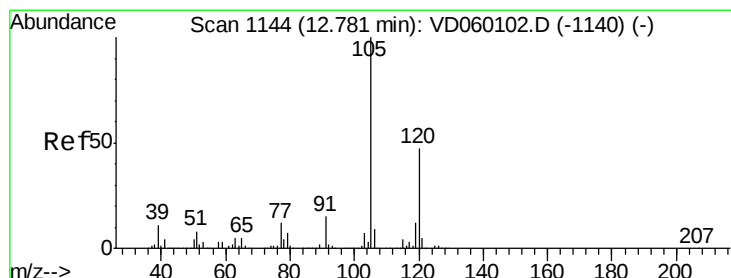
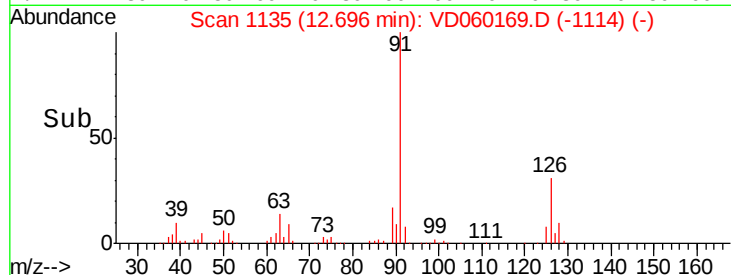
400000

200000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.132 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD060169.D

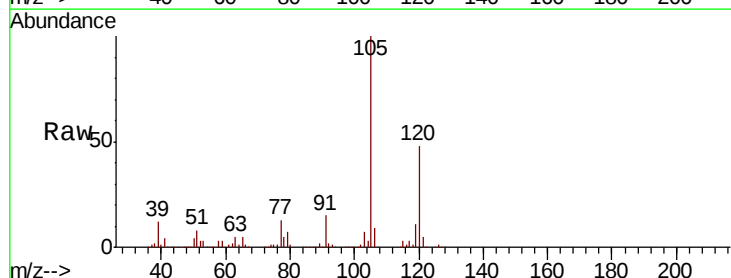
Acq: 10 Oct 2018 12:17

Tgt Ion:105 Resp: 1045262

Ion Ratio Lower Upper

105 100

120 47.6 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

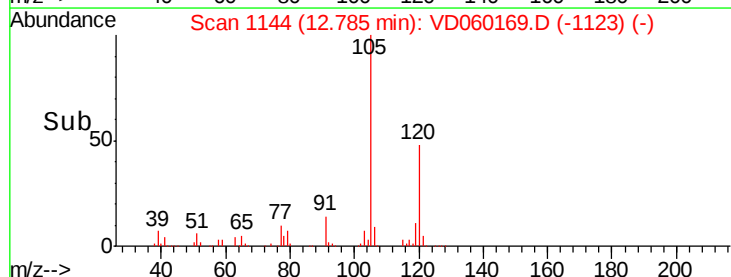
400000

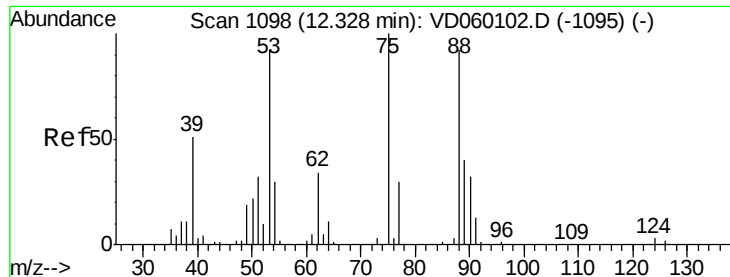
200000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.131 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion: 75 Resp: 79090

Ion Ratio Lower Upper

75 100

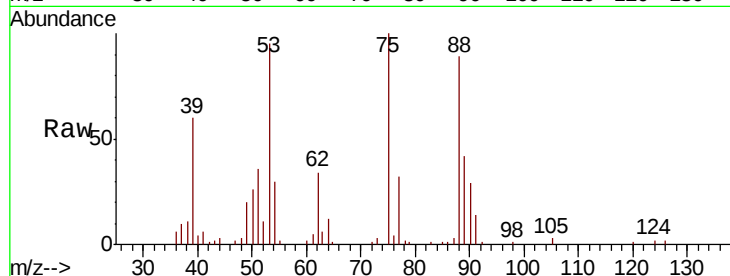
53 94.8 73.0 109.6

89 41.7 32.0 48.0

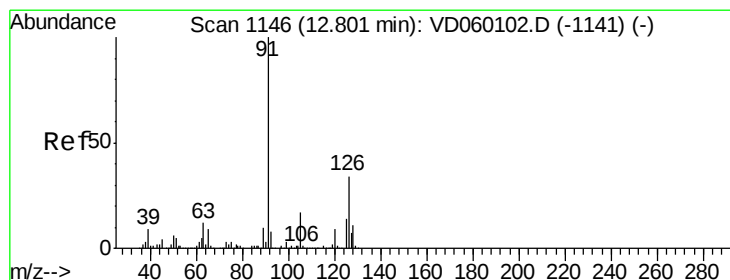
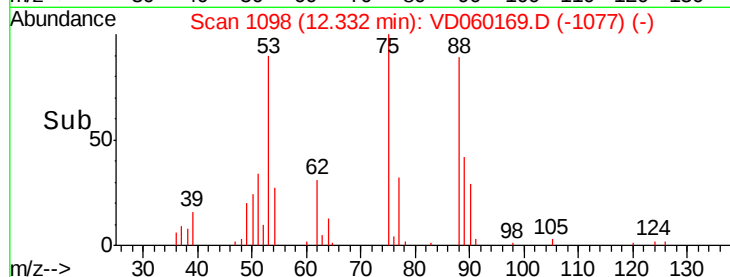
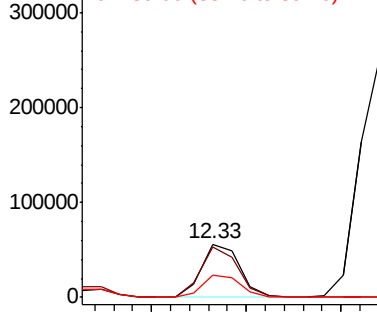
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.272 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060169.D

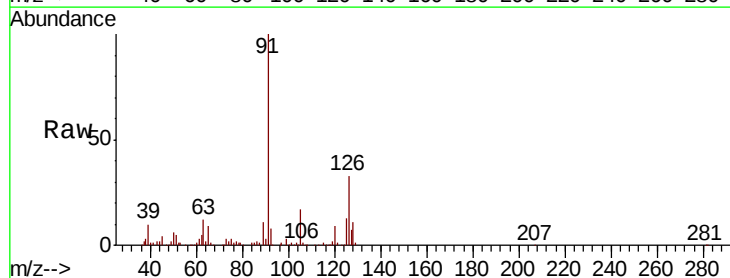
Acq: 10 Oct 2018 12:17

Tgt Ion: 91 Resp: 1059388

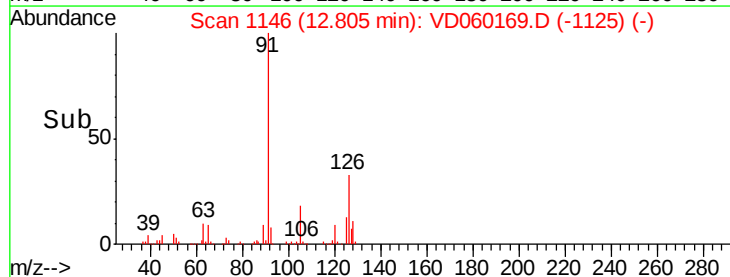
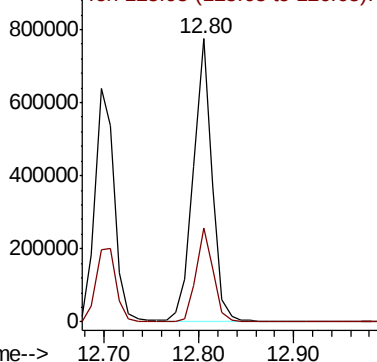
Ion Ratio Lower Upper

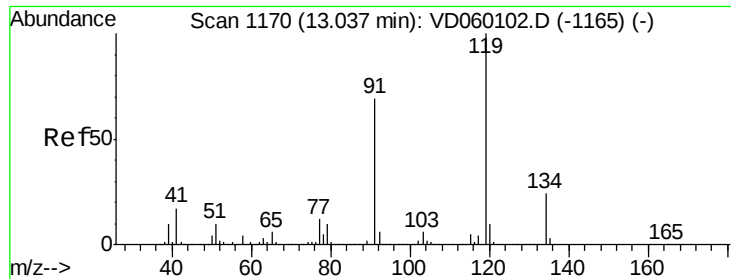
91 100

126 33.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





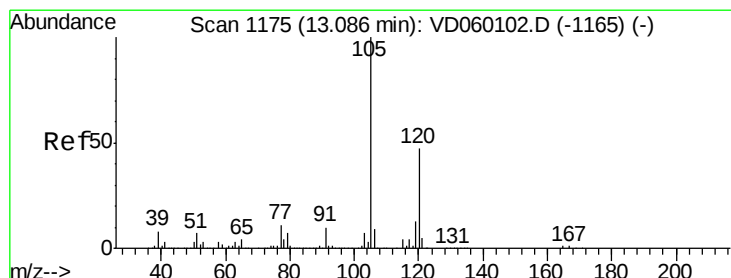
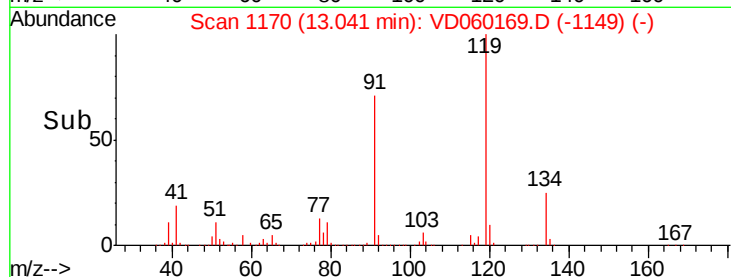
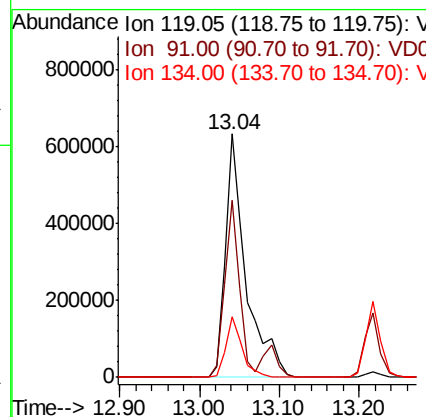
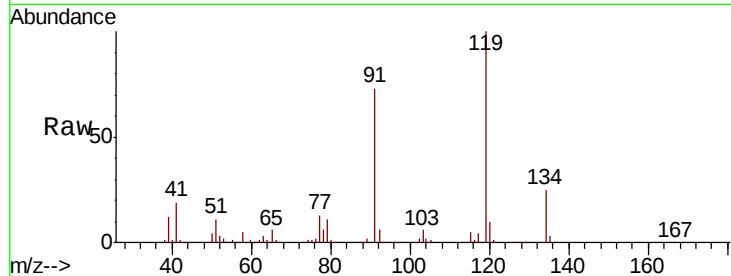
#83
tert-Butylbenzene
Concen: 21.208 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:119 Resp: 1149372
Ion Ratio Lower Upper
119 100
91 72.7 34.8 104.4
134 24.9 11.8 35.4

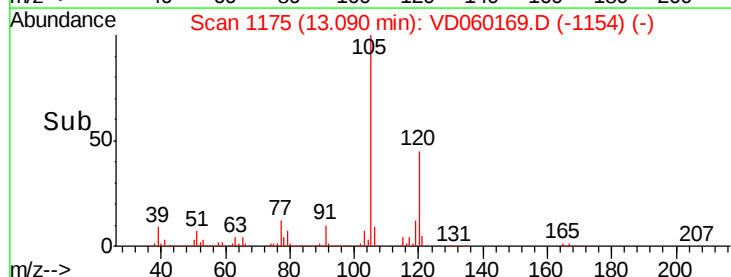
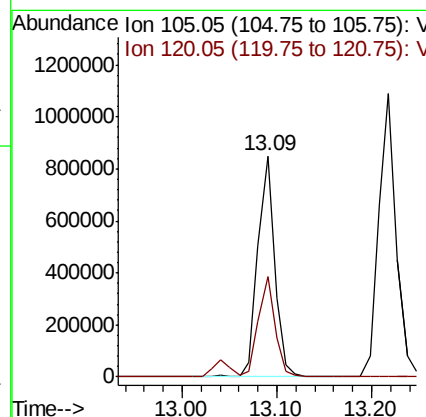
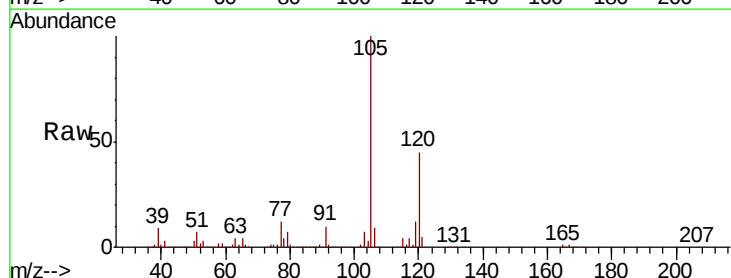
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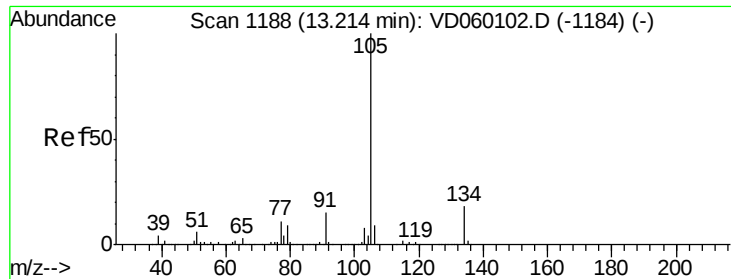
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#84
1,2,4-Trimethylbenzene
Concen: 21.160 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion:105 Resp: 1053219
Ion Ratio Lower Upper
105 100
120 45.3 23.4 70.0





#85

sec-Butylbenzene

Concen: 22.026 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

Tot Ion:105 Resp: 1411415

Ion Ratio Lower Upper

105 100

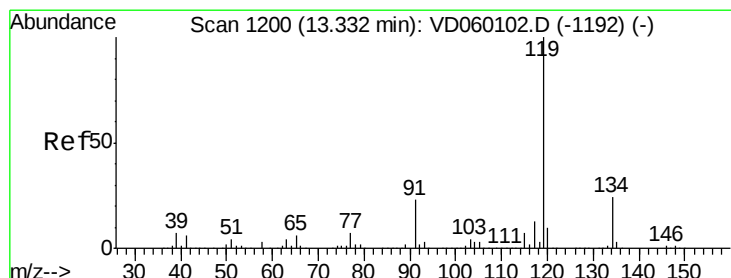
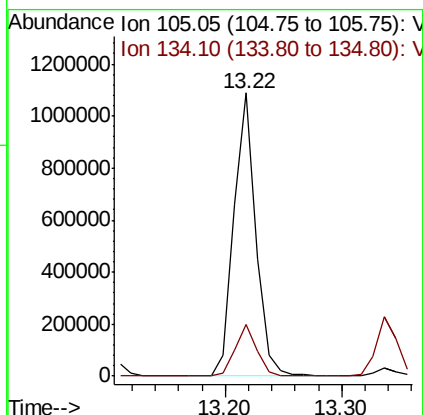
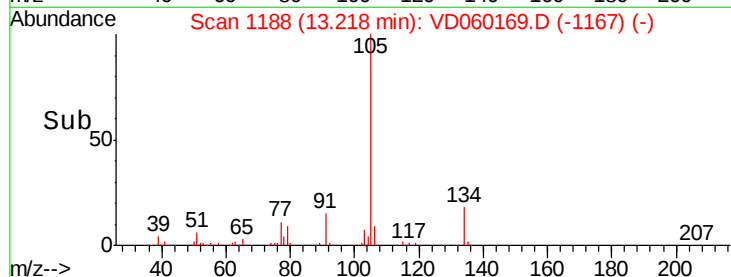
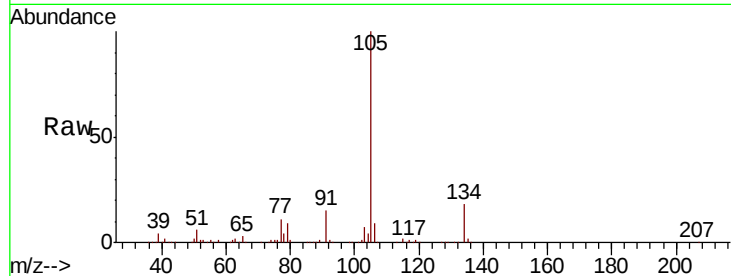
134 18.3 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 21.646 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

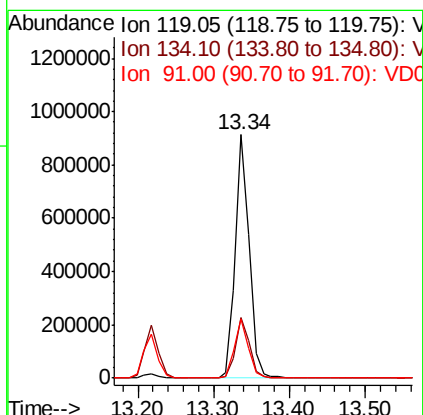
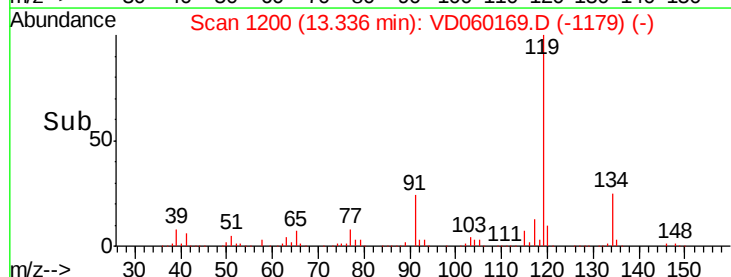
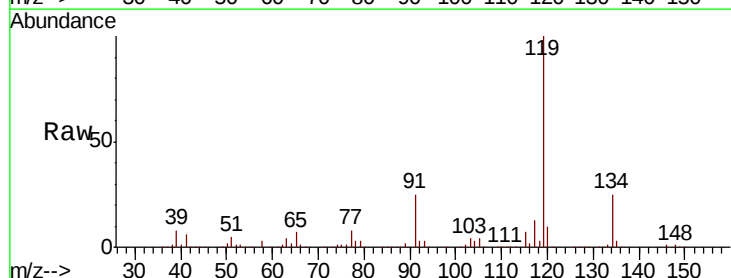
Tgt Ion:119 Resp: 1137667

Ion Ratio Lower Upper

119 100

134 25.1 12.3 36.8

91 24.5 11.8 35.4





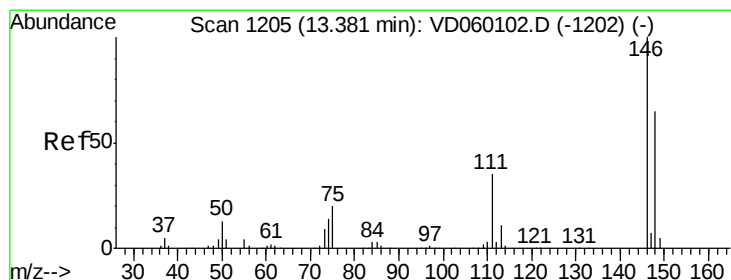
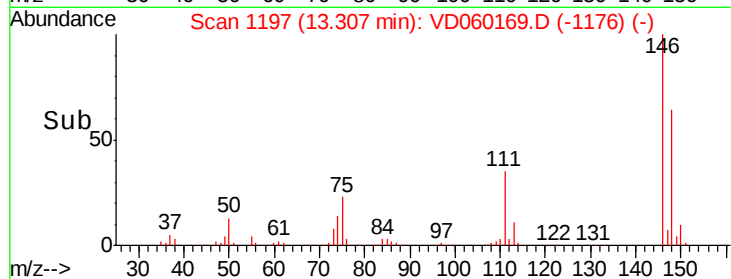
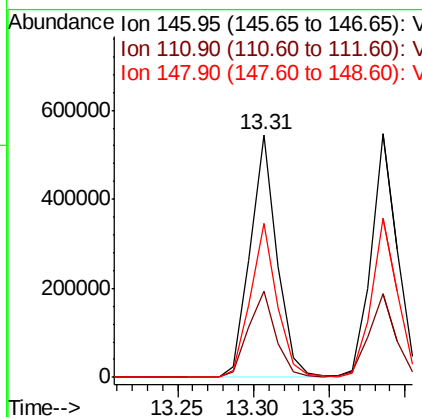
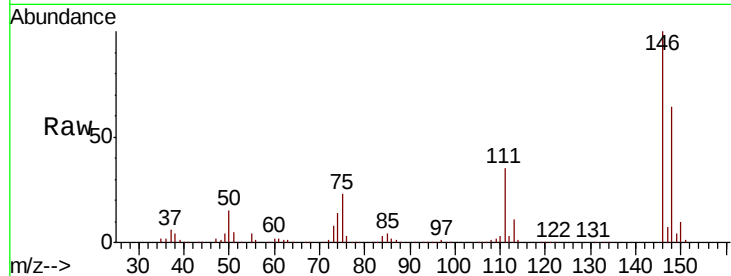
#87
 1,3-Dichlorobenzene
 Concen: 21.861 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.1	54.3
148	63.6	32.3	96.9

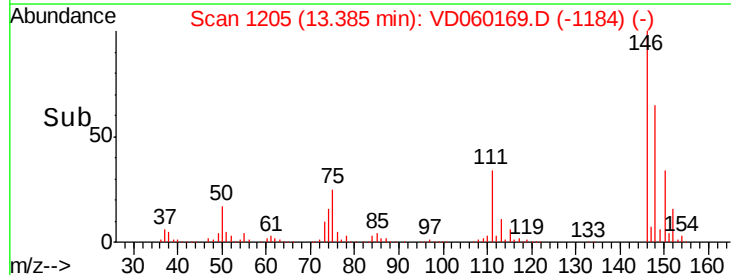
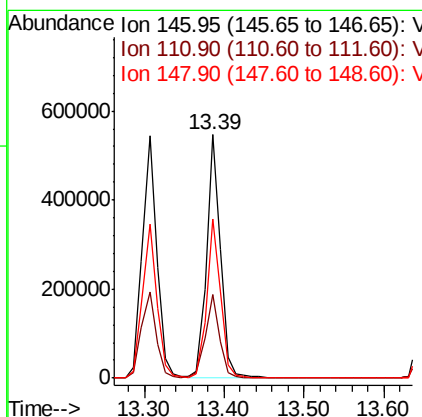
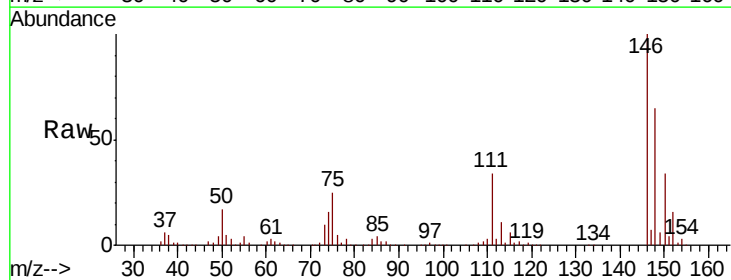
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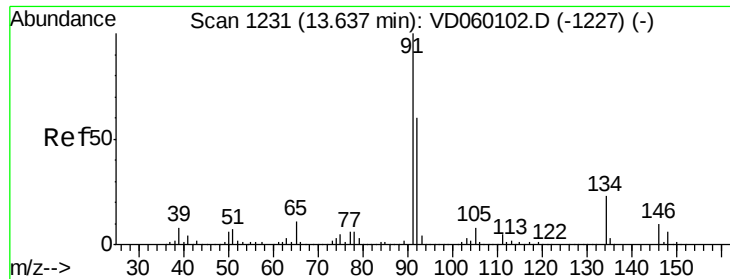
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#88
 1,4-Dichlorobenzene
 Concen: 21.391 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.8	53.3
148	65.1	32.4	97.2





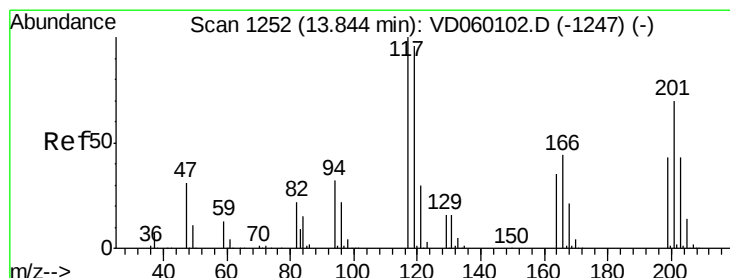
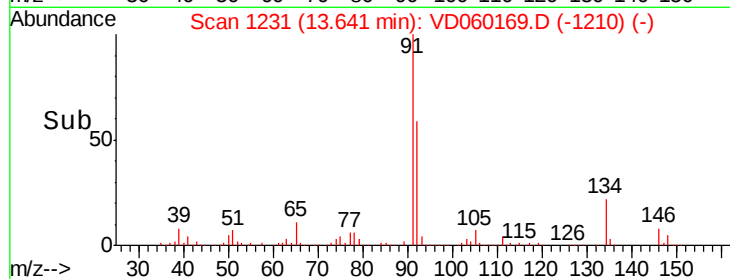
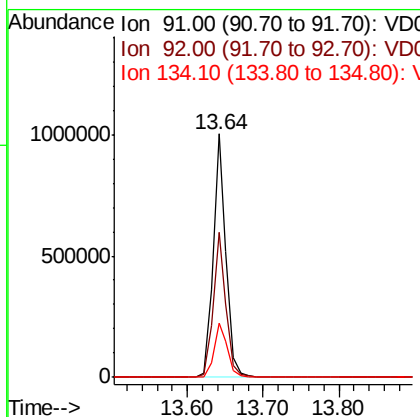
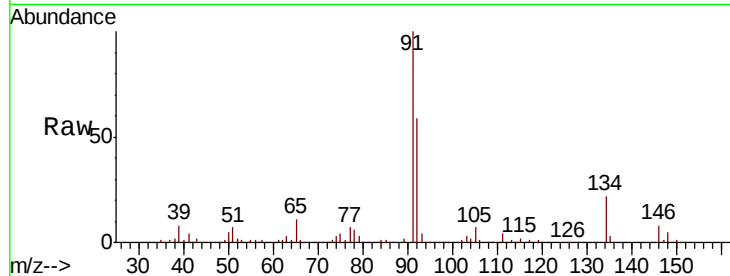
#89
n-Butylbenzene
Concen: 23.303 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 91 Resp: 1195073
Ion Ratio Lower Upper
91 100
92 59.4 30.1 90.3
134 22.2 11.6 34.7

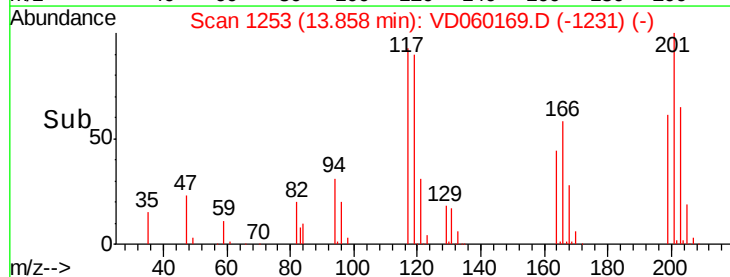
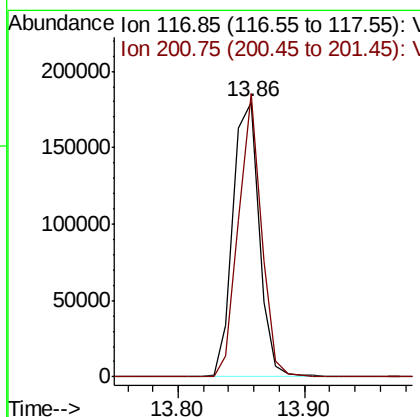
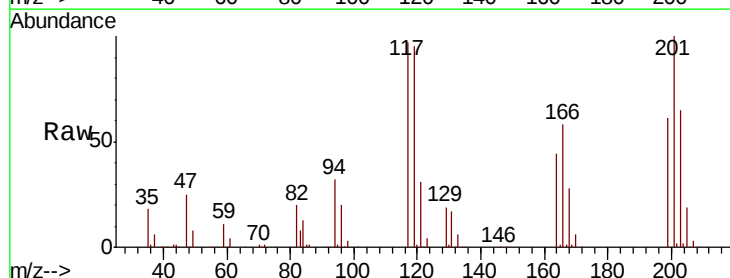
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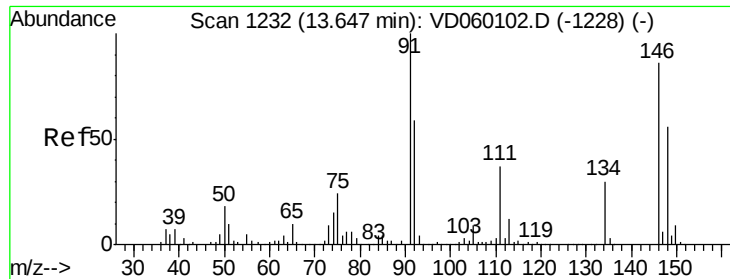
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#90
Hexachloroethane
Concen: 21.327 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 117 Resp: 259414
Ion Ratio Lower Upper
117 100
201 103.0 34.8 104.5





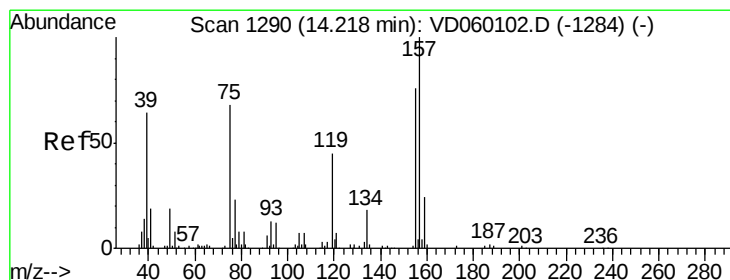
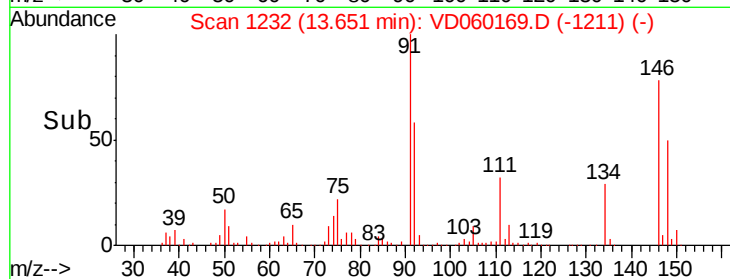
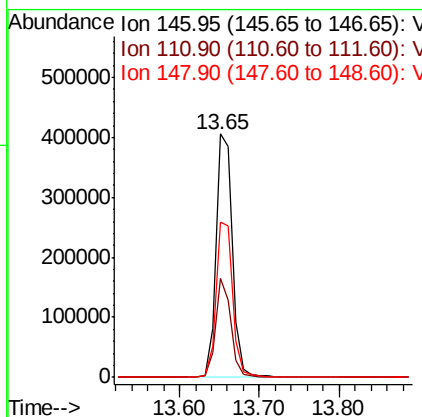
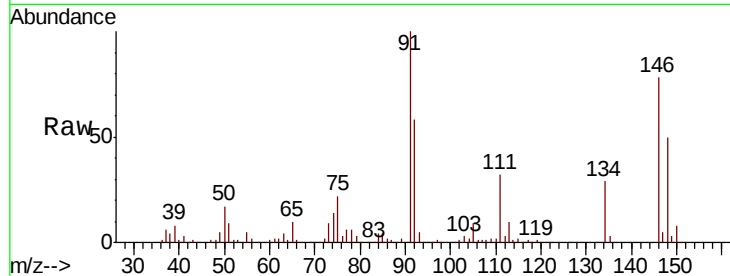
#91
 1,2-Dichlorobenzene
 Concen: 22.666 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.4	64.3
148	64.0	32.2	96.6

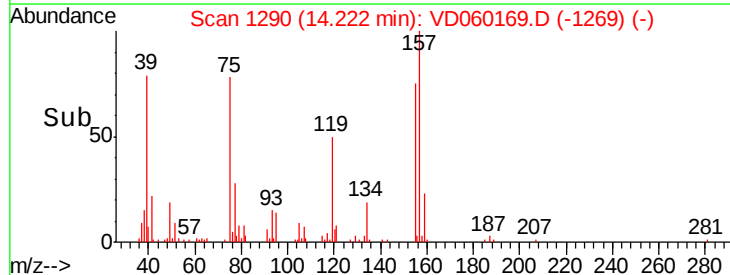
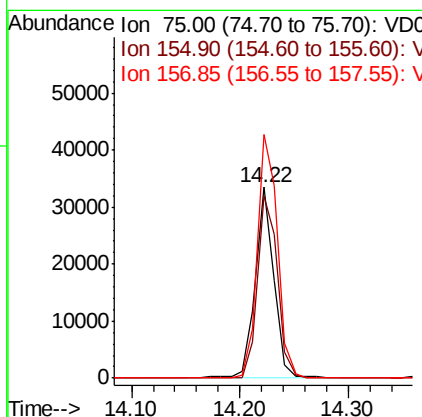
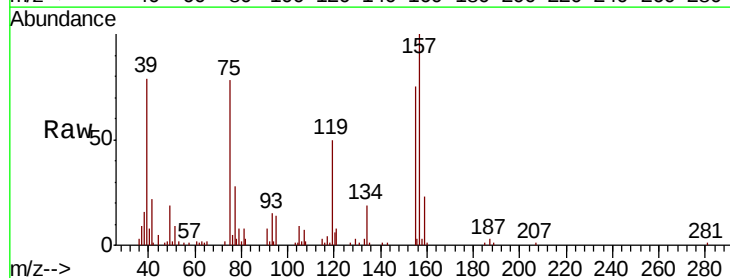
Manual Integrations
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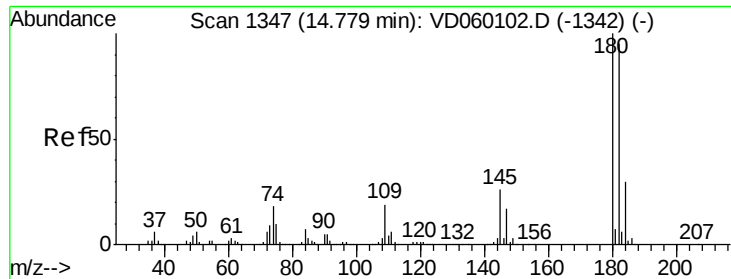
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.499 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	55.9	167.7
157	127.8	73.3	219.8





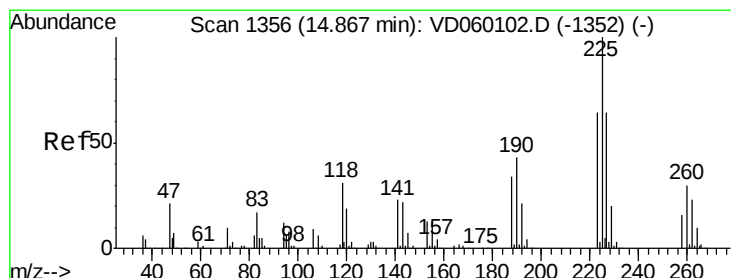
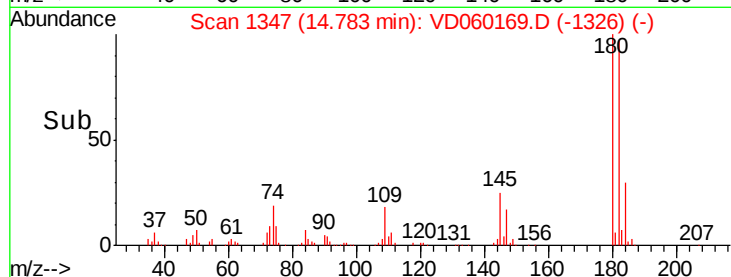
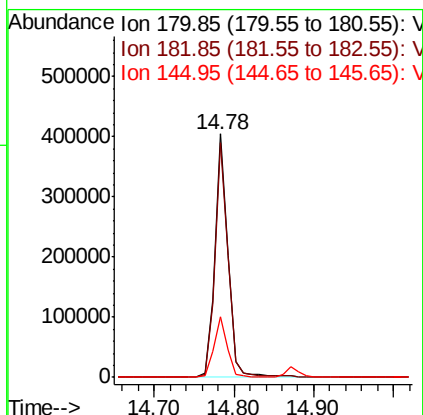
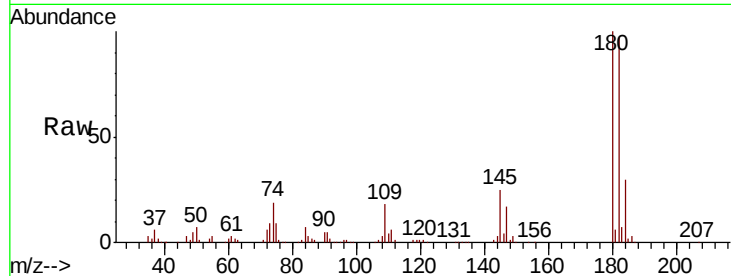
#93
 1,2,4-Trichlorobenzene
 Concen: 21.536 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	25.0	13.0	38.9

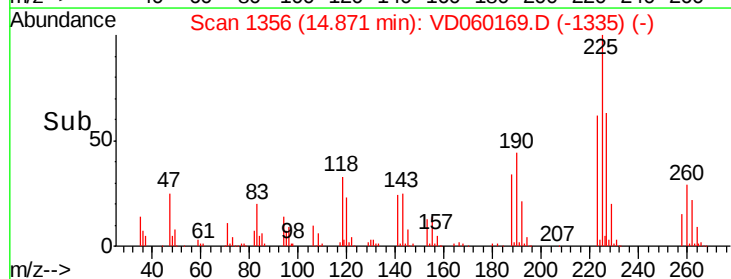
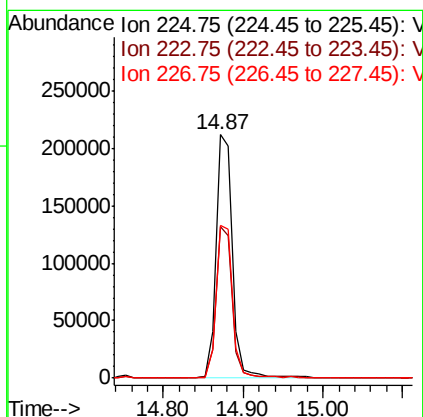
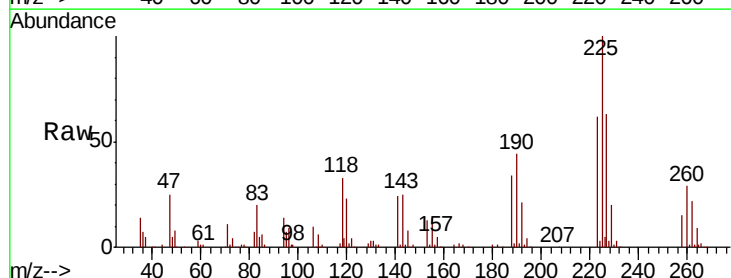
Manual Integrations
 APPROVED

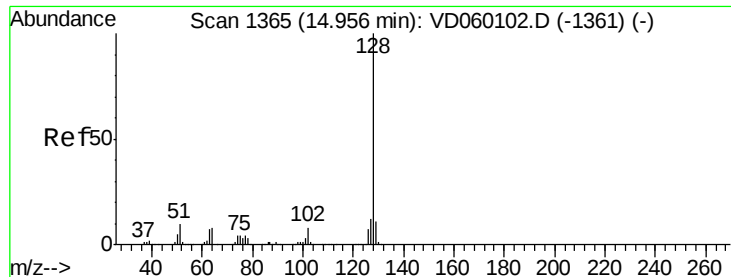
apatel
 10/11/2018 4:24:27 PM



#94
 Hexachlorobutadiene
 Concen: 21.099 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.8	95.4
227	62.5	32.0	96.0





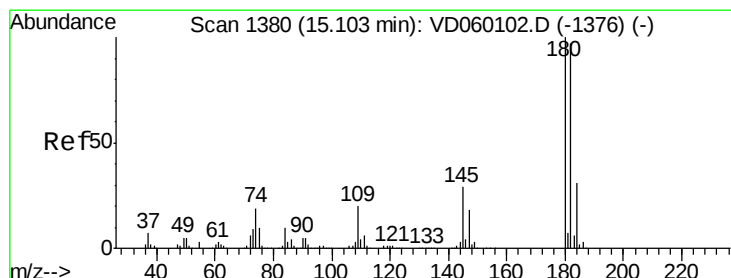
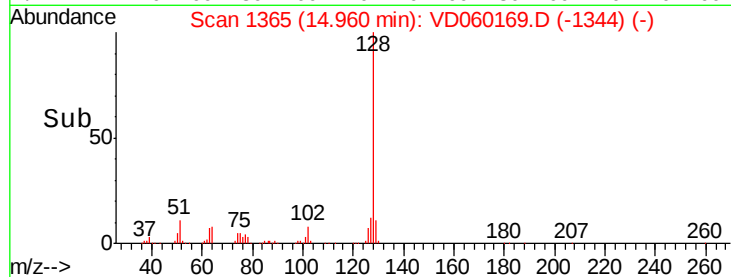
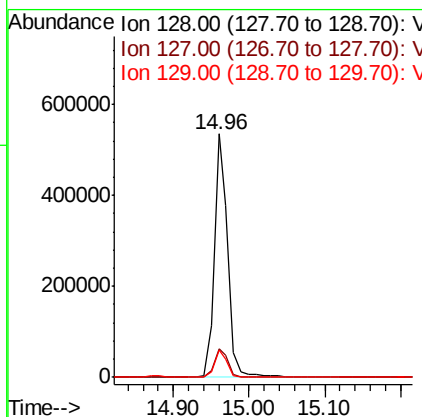
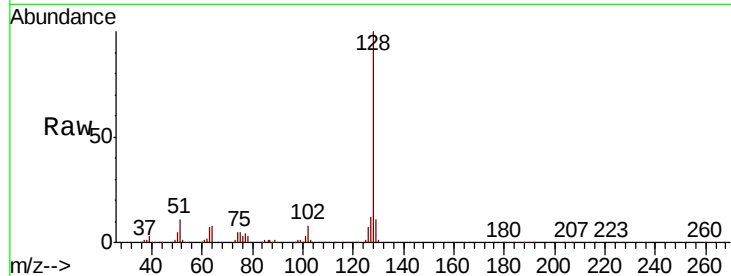
#95
Naphthalene
Concen: 20.452 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	668427		
127	11.7		9.9	14.9
129	11.2		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.071 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	404151		
182	94.7		48.4	145.0
145	27.4		14.5	43.6

