

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\
 Data File : VD060745.D
 Acq On : 28 Dec 2018 14:31
 Operator : VA/AP
 Sample : VD1228SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Manual Integrations
 APPROVED

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 1/2/2019 1:14:45 PM

Quant Time: Dec 28 22:15:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1433827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2027061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1661571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	874220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	535139	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	6.33	113	767647	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	9.46	98	2172496	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.43	95	808539	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.61	85	334230	18.243	ug/l 99
3) Chloromethane	1.77	50	337493	20.016	ug/l 99
4) Vinyl Chloride	1.87	62	264622	19.768	ug/l 97
5) Bromomethane	2.16	94	47848	15.957	ug/l 92
6) Chloroethane	2.27	64	73519	18.403	ug/l 96
7) Trichlorofluoromethane	2.52	101	304441	20.447	ug/l 96
8) Diethyl Ether	2.84	74	56912	22.846	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.10	101	203715	21.092	ug/l 95
10) Methyl Iodide	3.26	142	219137	21.589	ug/l 97
11) Tert butyl alcohol	3.98	59	38800	93.695	ug/l 98
12) 1,1-Dichloroethene	3.09	96	166066	20.926	ug/l 94
13) Acrolein	3.00	56	44927	106.463	ug/l 100
14) Allyl chloride	3.55	41	295725	20.308	ug/l 96
15) Acrylonitrile	4.11	53	260911	108.525	ug/l 97
16) Acetone	3.17	43	188220	108.771	ug/l 98
17) Carbon Disulfide	3.33	76	499002	19.689	ug/l 98
18) Methyl Acetate	3.57	43	98328	22.928	ug/l 96
19) Methyl tert-butyl Ether	4.13	73	448431	22.273	ug/l 99
20) Methylene Chloride	3.73	84	343131	19.094	ug/l 98
21) trans-1,2-Dichloroethene	4.11	96	330422	20.331	ug/l 99
22) Diisopropyl ether	4.86	45	1054678	21.332	ug/l 94
23) Vinyl Acetate	4.81	43	2542531	106.293	ug/l 99
24) 1,1-Dichloroethane	4.77	63	539868	20.760	ug/l 99
25) 2-Butanone	5.63	43	382288	115.450	ug/l 97
26) 2,2-Dichloropropane	5.60	77	441051	21.485	ug/l 97
27) cis-1,2-Dichloroethene	5.60	96	346808	21.021	ug/l 96
28) Bromochloromethane	5.94	49	209936	19.109	ug/l 95
29) Tetrahydrofuran	5.97	42	206450	109.979	ug/l 98
30) Chloroform	6.11	83	558265	21.334	ug/l 100
31) Cyclohexane	6.38	56	492308	19.671	ug/l 99
32) 1,1,1-Trichloroethane	6.30	97	436696	20.171	ug/l 97
36) 1,1-Dichloropropene	6.54	75	414725	19.869	ug/l 99
37) Ethyl Acetate	5.71	43	177941	20.383	ug/l 98
38) Carbon Tetrachloride	6.51	117	371991	20.201	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	466854	19.611	ug/l	99
40) Benzene	6.80	78	1104960	20.494	ug/l	100
41) Methacrylonitrile	5.95	41	105893m	21.930	ug/l	
42) 1,2-Dichloroethane	6.90	62	280249	20.946	ug/l	98
43) Isopropyl Acetate	8.36	43	235587	21.030	ug/l #	98
44) Trichloroethene	7.75	130	330036	20.681	ug/l	94
45) 1,2-Dichloropropane	8.11	63	270884	20.487	ug/l	98
46) Dibromomethane	8.23	93	159577	21.146	ug/l	99
47) Bromodichloromethane	8.49	83	382226	21.384	ug/l	98
48) Methyl methacrylate	8.25	41	144569	21.247	ug/l	96
49) 1,4-Dioxane	8.24	88	26430	417.774	ug/l #	87
51) 4-Methyl-2-Pentanone	9.35	43	754695	109.957	ug/l	100
52) Toluene	9.56	92	684808	20.261	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	317618	21.300	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	412786	21.149	ug/l	95
55) 1,1,2-Trichloroethane	10.19	97	195832	21.534	ug/l	97
56) Ethyl methacrylate	10.04	69	176045	20.841	ug/l	99
57) 1,3-Dichloropropane	10.38	76	302345	20.975	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	554035	111.316	ug/l	97
59) 2-Hexanone	10.49	43	536084	111.586	ug/l	99
60) Dibromochloromethane	10.65	129	243303	21.004	ug/l	97
61) 1,2-Dibromoethane	10.77	107	192581	20.416	ug/l	97
64) Tetrachloroethene	10.26	164	300465	19.951	ug/l	97
65) Chlorobenzene	11.32	112	756082	20.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	252166	21.364	ug/l	99
67) Ethyl Benzene	11.44	91	1306862	20.787	ug/l	99
68) m/p-Xylenes	11.56	106	918147	39.961	ug/l	94
69) o-Xylene	11.94	106	444157	20.376	ug/l	92
70) Styrene	11.96	104	725187	20.656	ug/l	97
71) Bromoform	12.12	173	159891	20.522	ug/l	98
73) Isopropylbenzene	12.28	105	1278678	20.543	ug/l	98
74) N-amyl acetate	12.14	43	305440	20.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	213658	21.177	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	205867	20.684	ug/l	99
77) Bromobenzene	12.55	156	342016	20.813	ug/l	90
78) n-propylbenzene	12.64	91	1568576	19.712	ug/l	95
79) 2-Chlorotoluene	12.71	91	877677	20.593	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	988384	20.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	56855	20.673	ug/l	92
82) 4-Chlorotoluene	12.81	91	1012686	20.963	ug/l	93
83) tert-Butylbenzene	13.05	119	1125100	20.569	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1011222	20.428	ug/l	98
85) sec-Butylbenzene	13.23	105	1342033	20.118	ug/l	97
86) p-Isopropyltoluene	13.35	119	1109022	20.596	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	631460	20.932	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	618995	20.823	ug/l	97
89) n-Butylbenzene	13.65	91	1153433	20.961	ug/l	98
90) Hexachloroethane	13.86	117	268393	20.289	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	524193	21.662	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23086	19.478	ug/l	75

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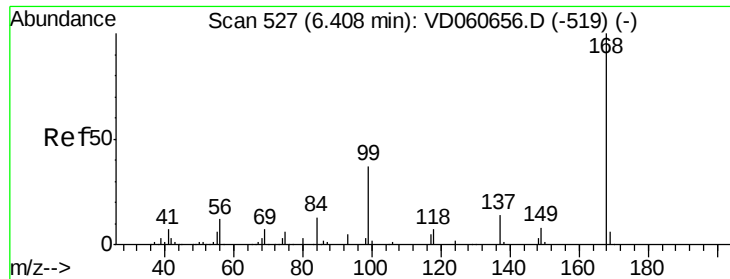
Manual Integrations
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1/2/2019 1:14:45 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401828	20.868	ug/l	98
94) Hexachlorobutadiene	14.88	225	281443	19.774	ug/l	97
95) Naphthalene	14.97	128	467093	20.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	314465	20.891	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion:168 Resp: 1433827

Ion Ratio Lower Upper

168 100

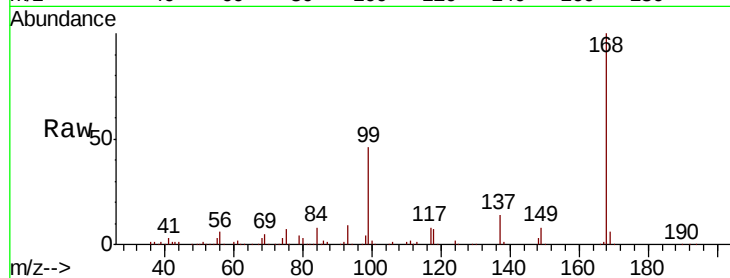
99 46.2 38.7 58.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

600000

500000

400000

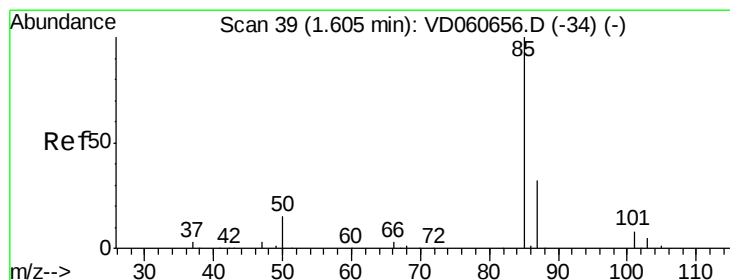
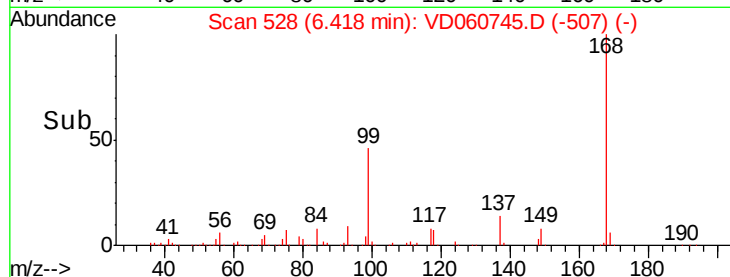
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.243 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.00 min

Lab File: VD060745.D

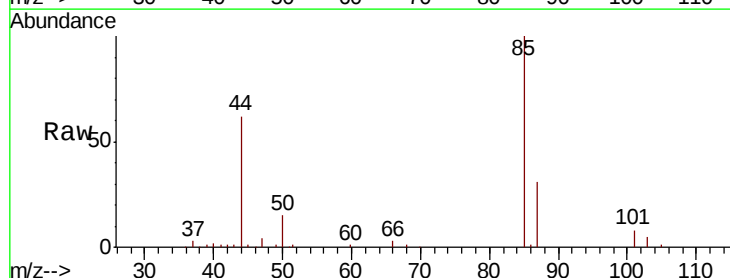
Acq: 28 Dec 2018 14:31

Tgt Ion: 85 Resp: 334230

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

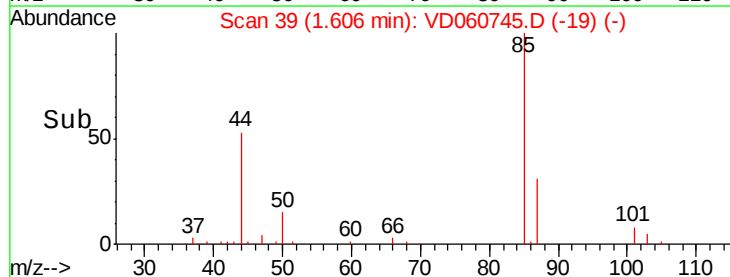
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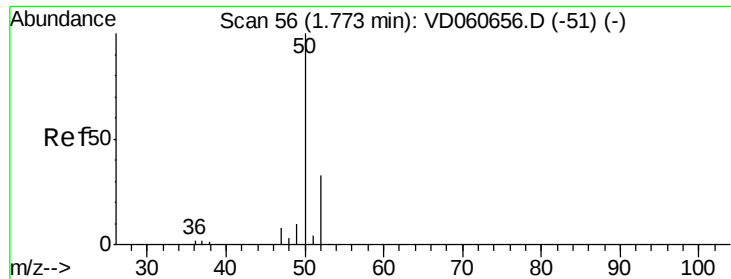
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50000

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Time-->





#3

Chloromethane

Concen: 20.016 ug/l

RT: 1.77 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 50 Resp: 337493

Ion Ratio Lower Upper

50 100

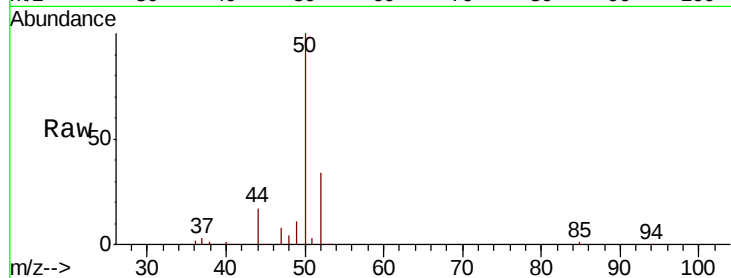
52 33.9 26.6 39.8

Manual Integrations

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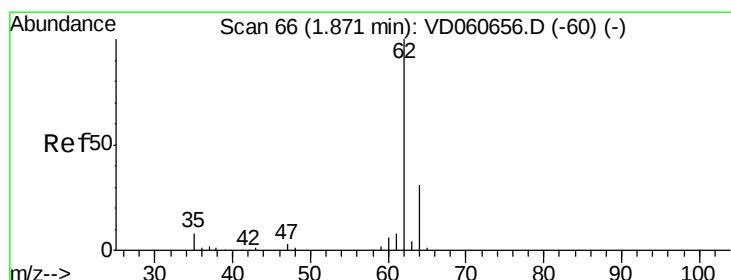
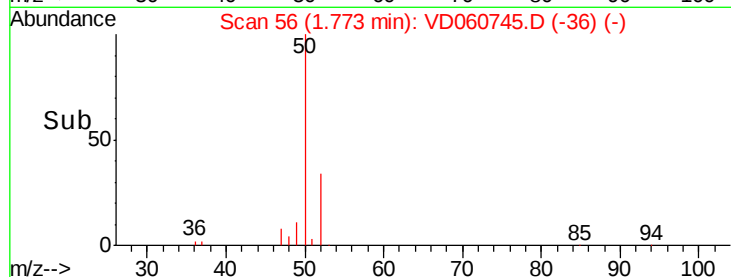
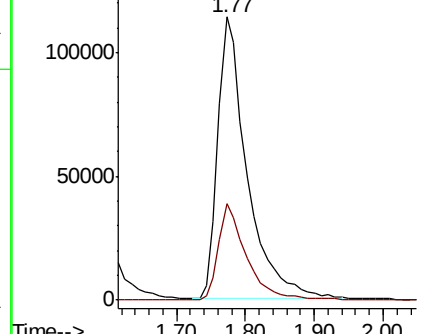
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.768 ug/l

RT: 1.87 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060745.D

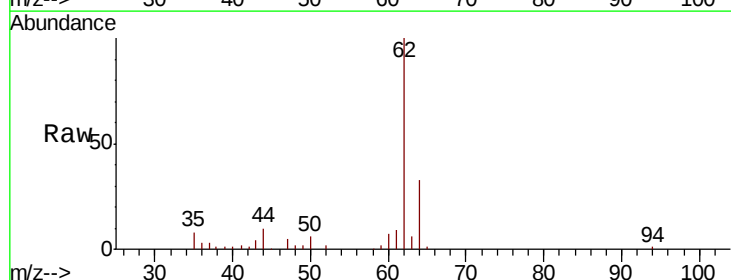
Acq: 28 Dec 2018 14:31

Tgt Ion: 62 Resp: 264622

Ion Ratio Lower Upper

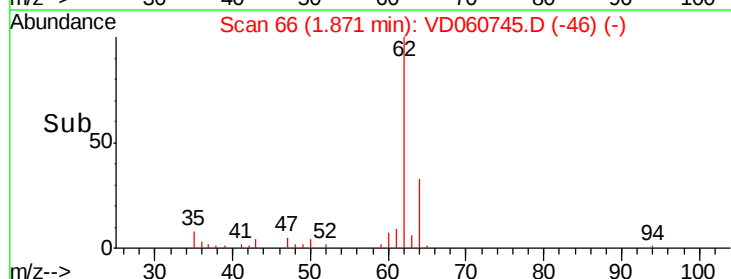
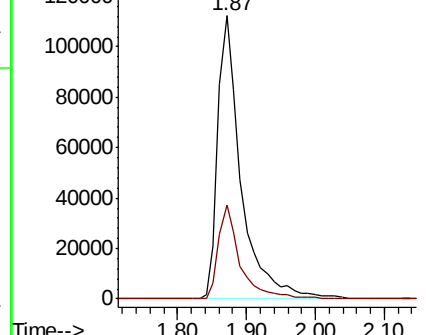
62 100

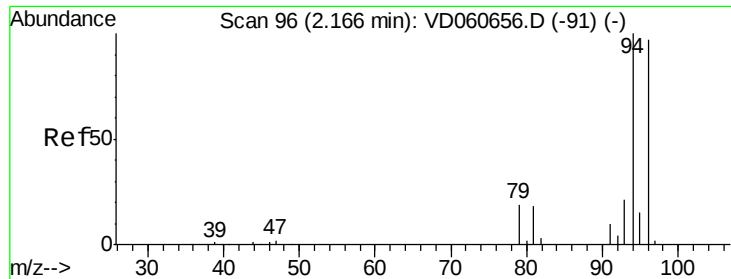
64 33.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.957 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 94 Resp: 47848

Ion Ratio Lower Upper

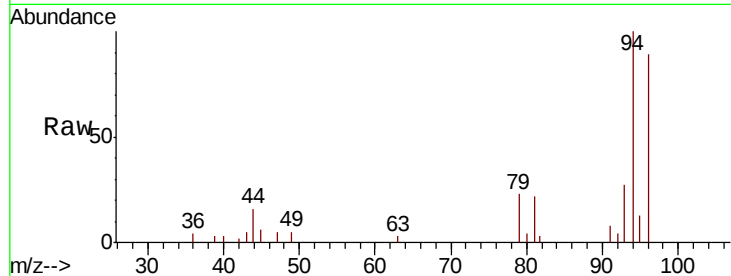
94 100

96 88.6 77.2 115.8

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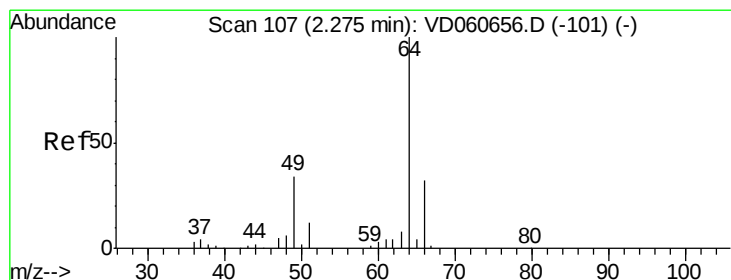
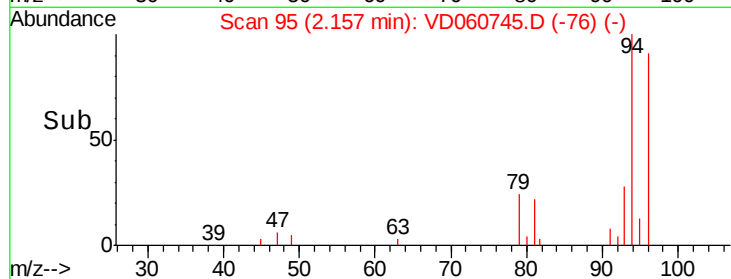
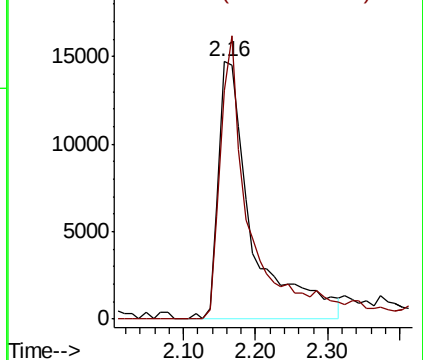
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.403 ug/l

RT: 2.27 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD060745.D

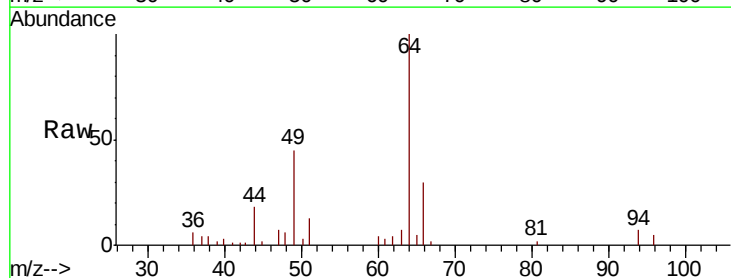
Acq: 28 Dec 2018 14:31

Tgt Ion: 64 Resp: 73519

Ion Ratio Lower Upper

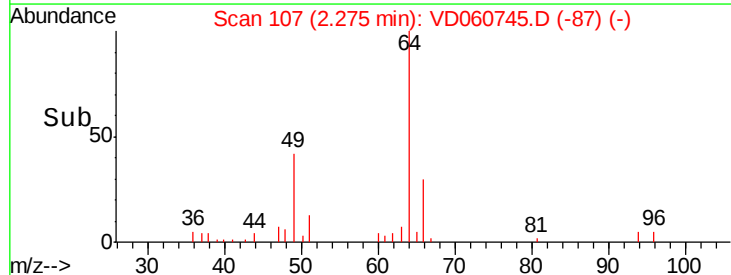
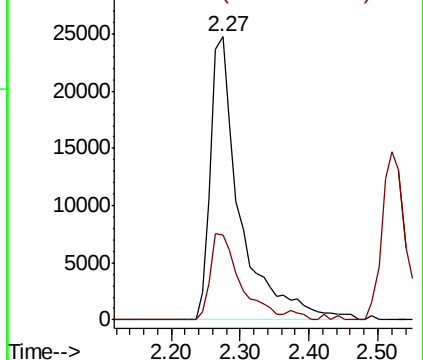
64 100

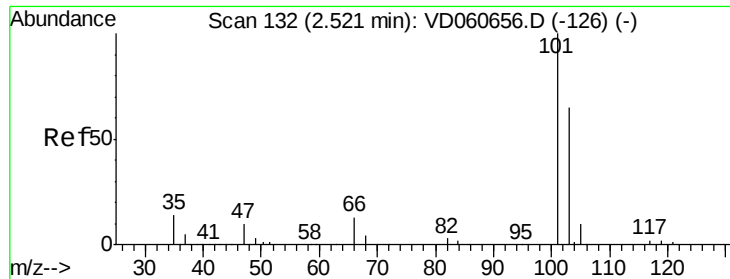
66 29.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

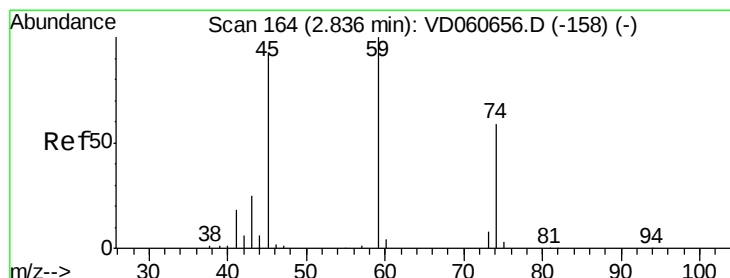
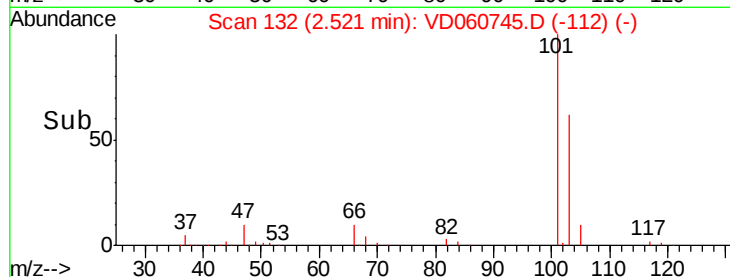
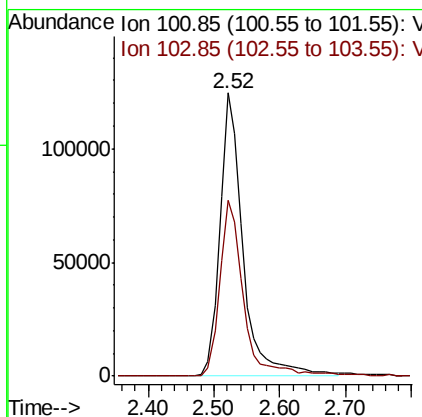
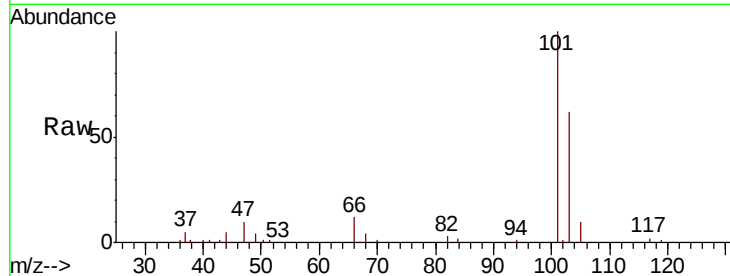
Trichlorofluoromethane
Concen: 20.447 ug/l
RT: 2.52 min Scan# 132
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

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VD1228SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.9	77.9

Manual Integrations
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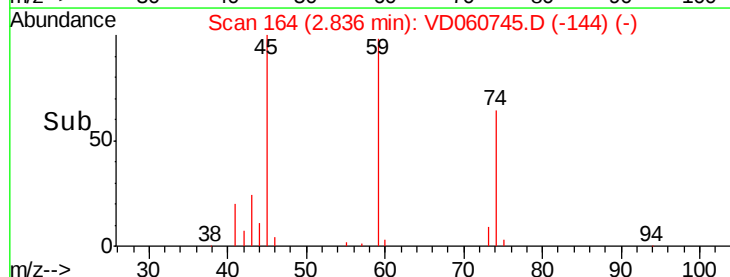
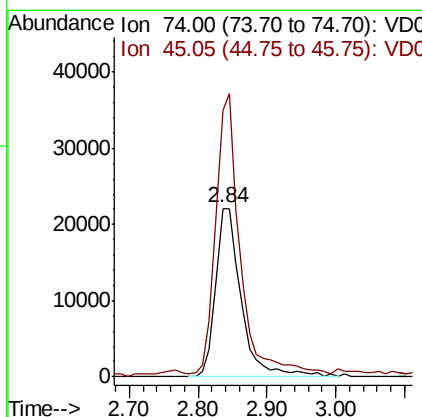
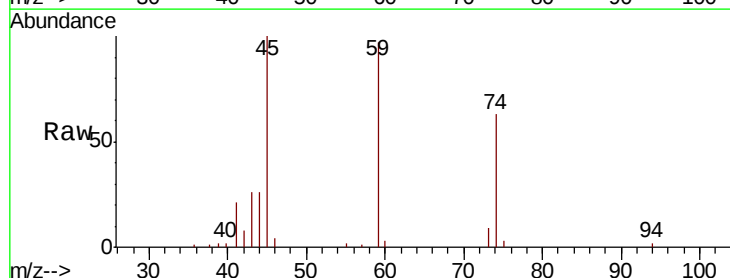
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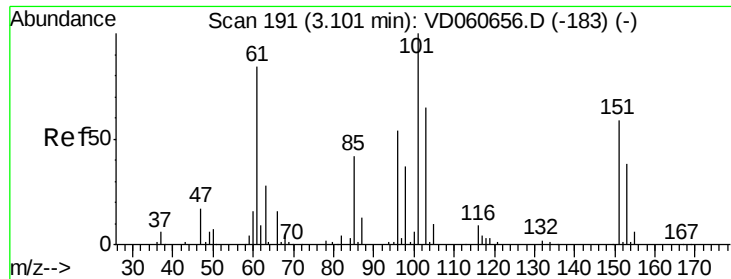


#8

Diethyl Ether
Concen: 22.846 ug/l
RT: 2.84 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	158.8	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.092 ug/l

RT: 3.10 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

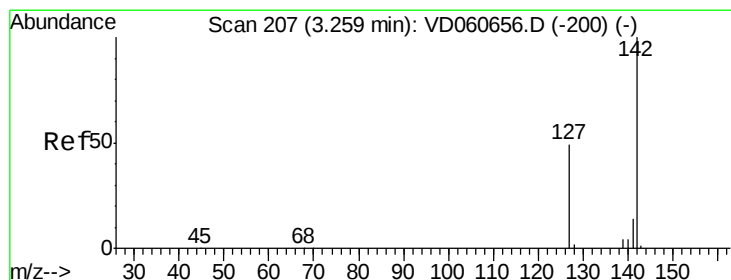
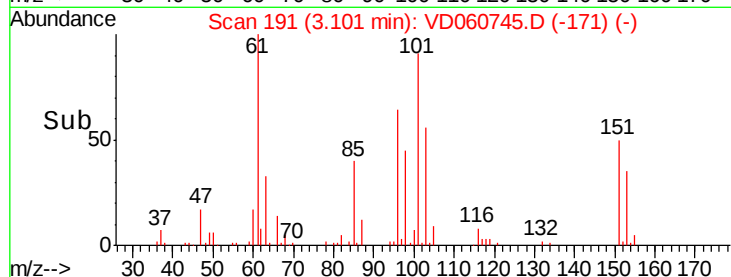
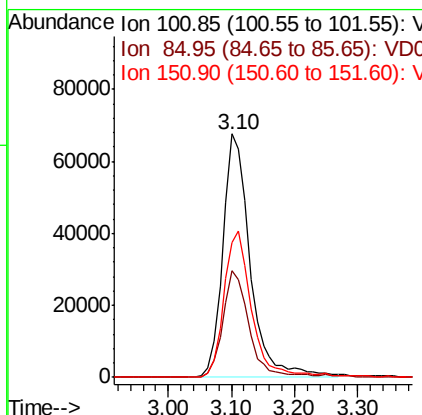
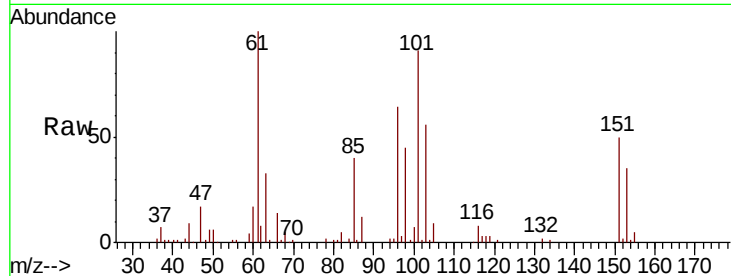
ClientSampleId :

VD1228SBS01

Tot Ion:	101	Resp:	203715
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.4	50.0
151	55.3	47.5	71.3

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#10

Methyl Iodide

Concen: 21.589 ug/l

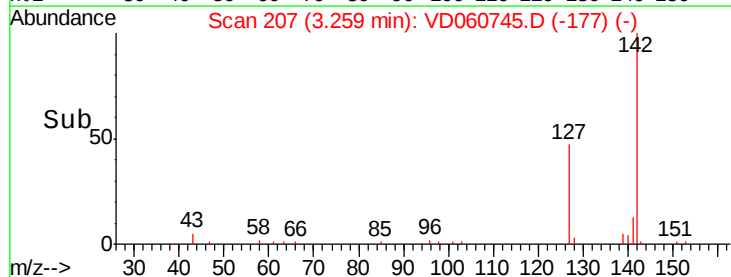
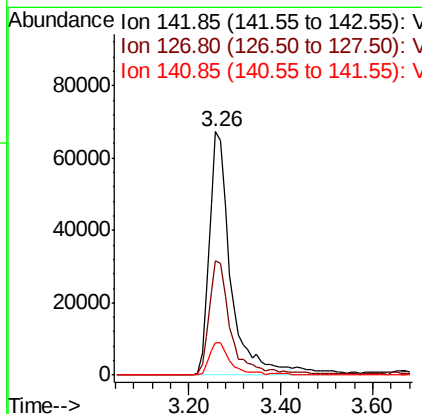
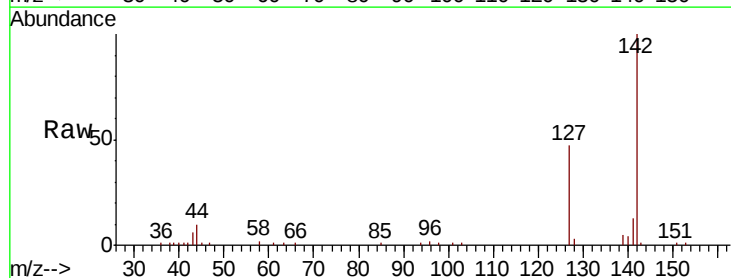
RT: 3.26 min Scan# 207

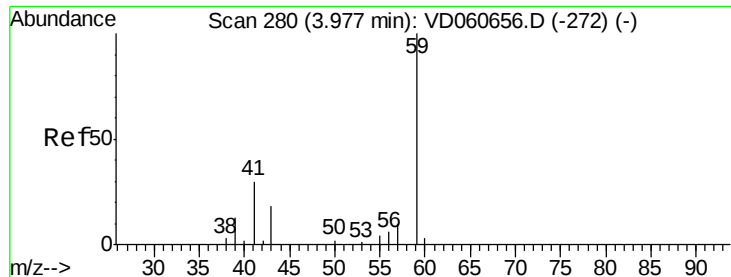
Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Tgt Ion:	142	Resp:	219137
Ion Ratio	Lower	Upper	
142	100		
127	47.2	39.5	59.3
141	13.4	11.3	16.9





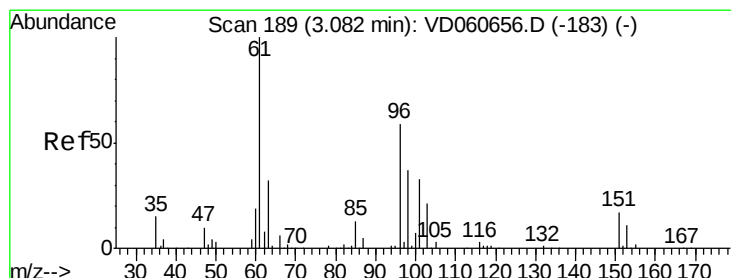
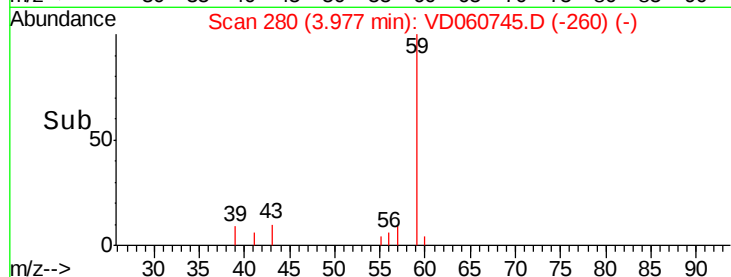
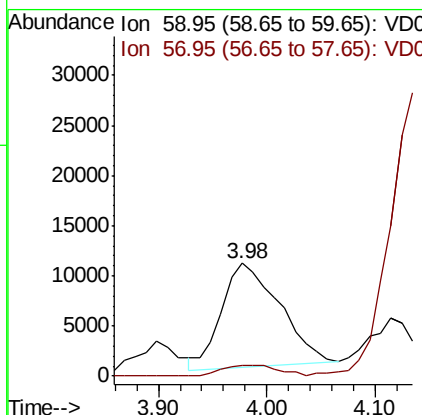
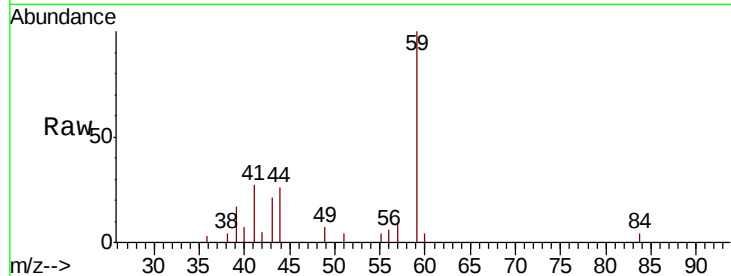
#11
Tert butyl alcohol
Concen: 93.695 ug/l
RT: 3.98 min Scan# 280
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion: 59 Resp: 38800
Ion Ratio Lower Upper
59 100
57 9.0 7.8 11.6

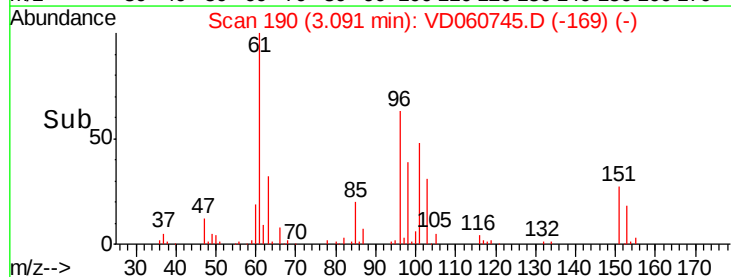
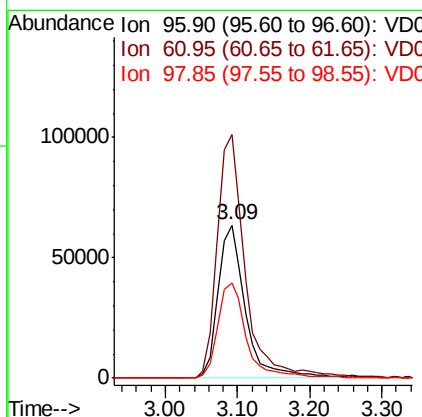
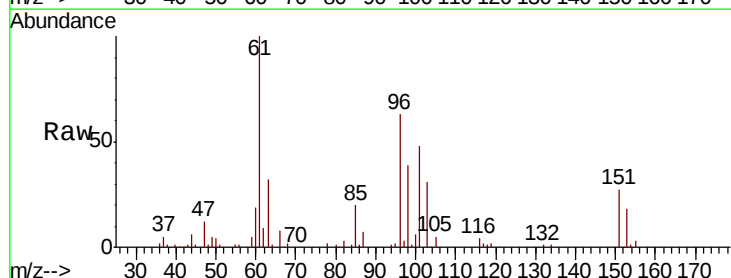
Manual Integrations
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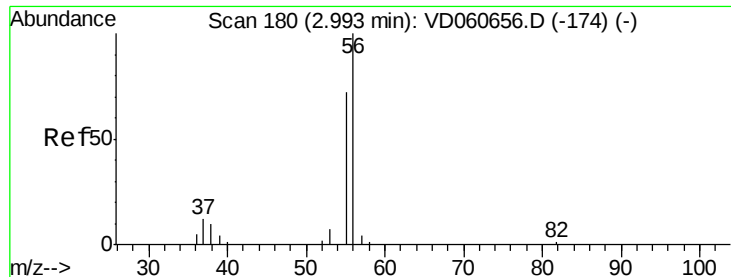
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#12
1,1-Dichloroethene
Concen: 20.926 ug/l
RT: 3.09 min Scan# 190
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 96 Resp: 166066
Ion Ratio Lower Upper
96 100
61 159.0 136.2 204.4
98 62.1 50.7 76.1





#13

Acrolein

Concen: 106.463 ug/l

RT: 3.00 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 56 Resp: 44927

Ion Ratio Lower Upper

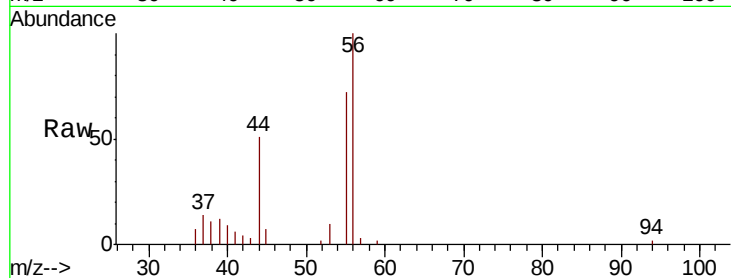
56 100

55 71.8 57.7 86.5

Manual Integrations
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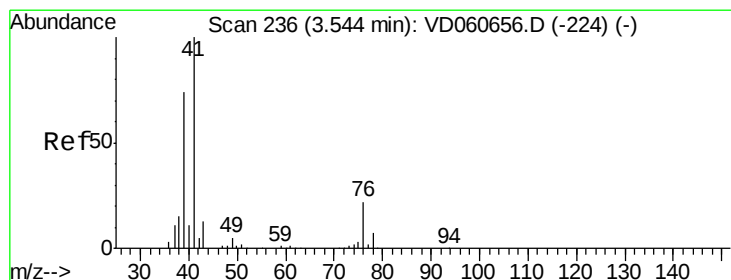
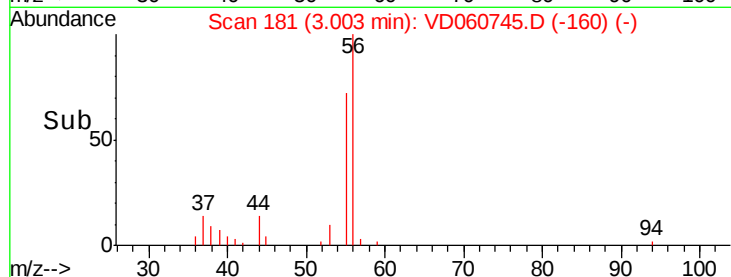
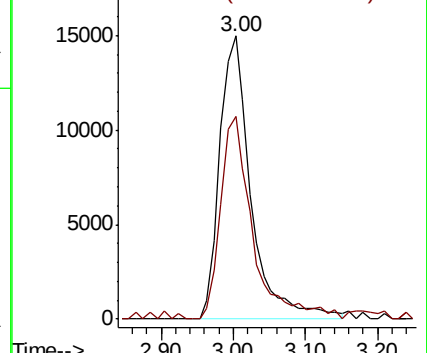
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.308 ug/l

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

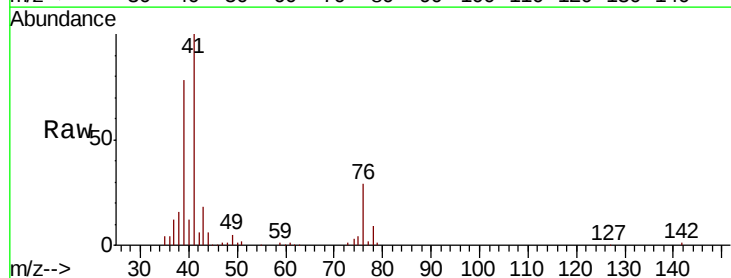
Tgt Ion: 41 Resp: 295725

Ion Ratio Lower Upper

41 100

39 78.2 59.6 89.4

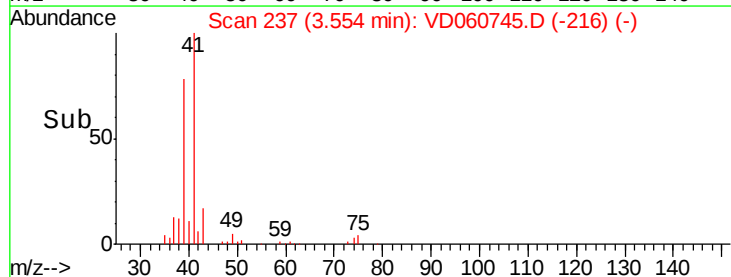
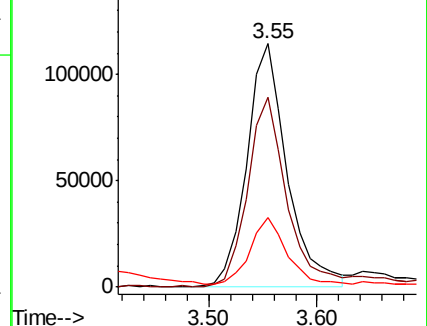
76 28.7 21.8 32.6

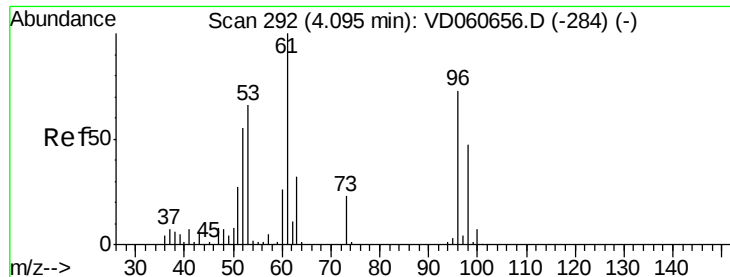


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





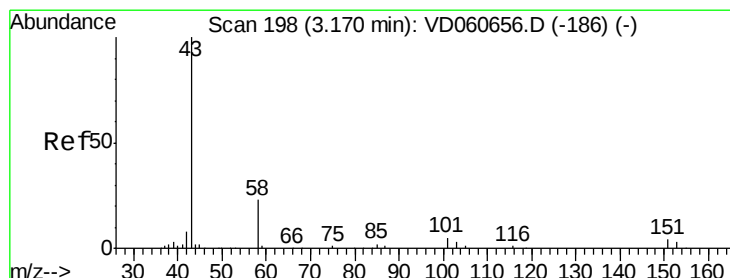
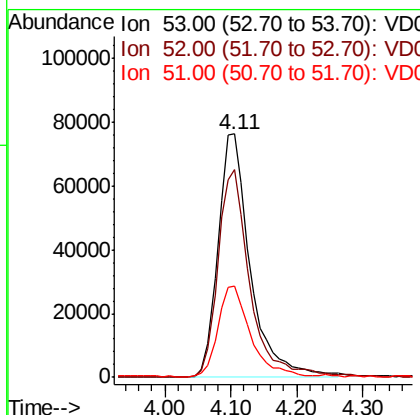
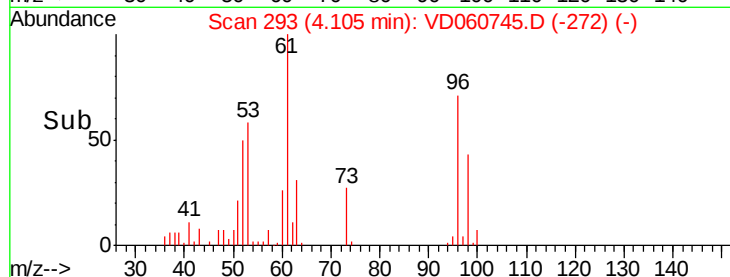
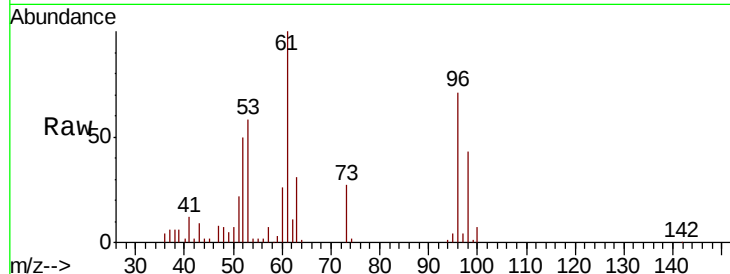
#15
Acrylonitrile
Concen: 108.525 ug/l
RT: 4.11 min Scan# 293
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleID :
VD1228SBS01

Tot Ion	53	Ratio	Lower	Upper
53	100			
52	85.2	66.7	100.1	
51	37.5	32.7	49.1	

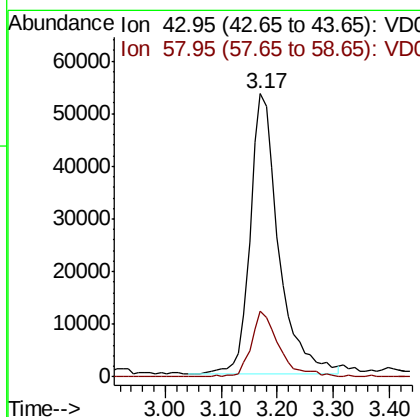
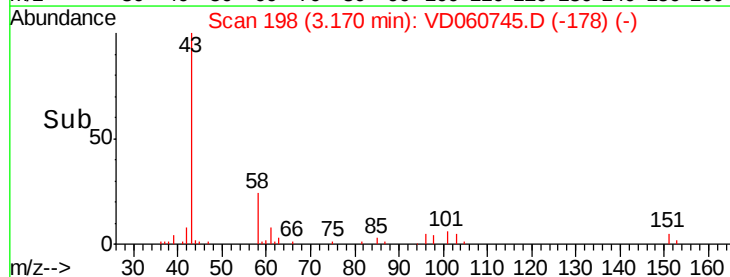
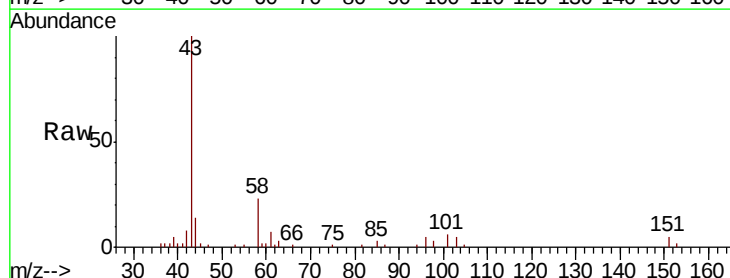
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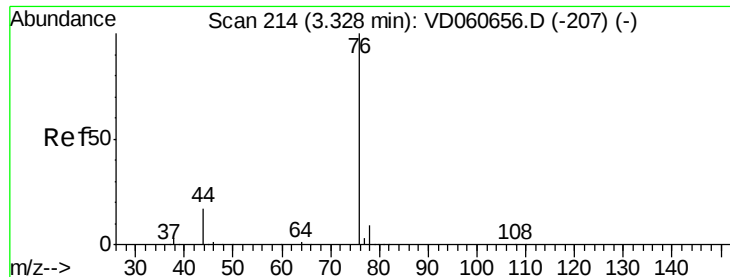
apatel
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#16
Acetone
Concen: 108.771 ug/l
RT: 3.17 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	43	Ratio	Lower	Upper
43	100			
58	23.4	18.2	27.2	





#17

Carbon Disulfide

Concen: 19.689 ug/l

RT: 3.33 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 76 Resp: 499002

Ion Ratio Lower Upper

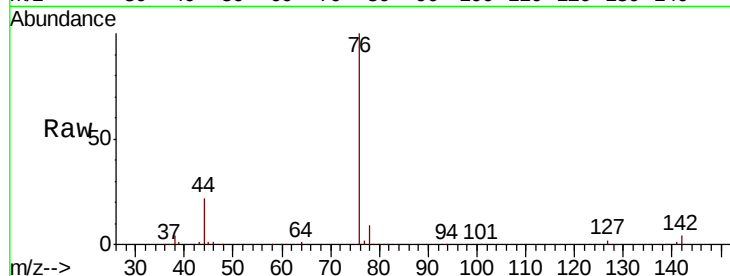
76 100

78 8.6 7.4 11.0

Manual Integrations
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

200000

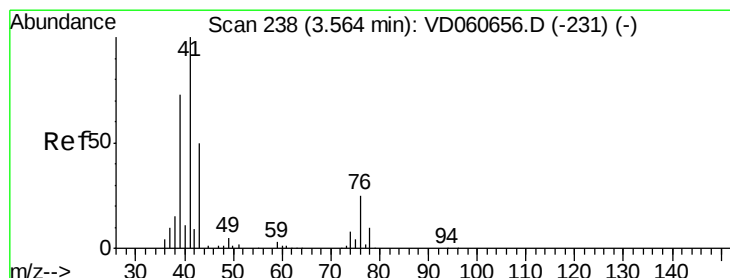
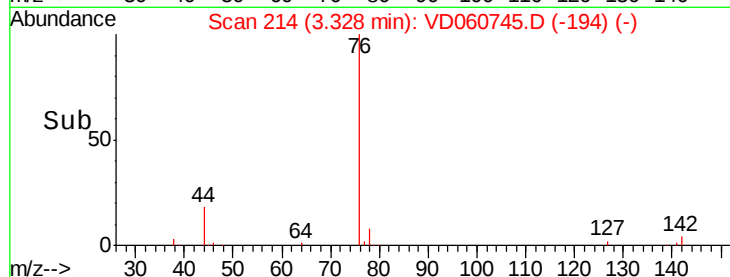
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.928 ug/l

RT: 3.57 min Scan# 239

Delta R.T. 0.01 min

Lab File: VD060745.D

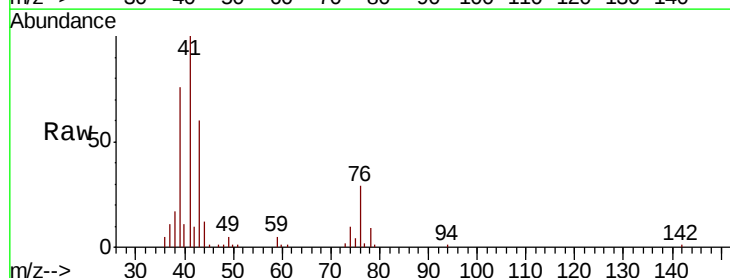
Acq: 28 Dec 2018 14:31

Tgt Ion: 43 Resp: 98328

Ion Ratio Lower Upper

43 100

74 17.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

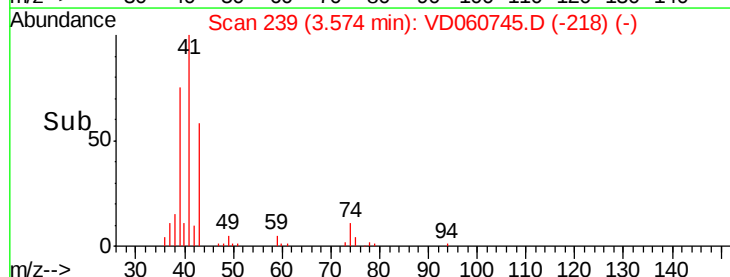
30000

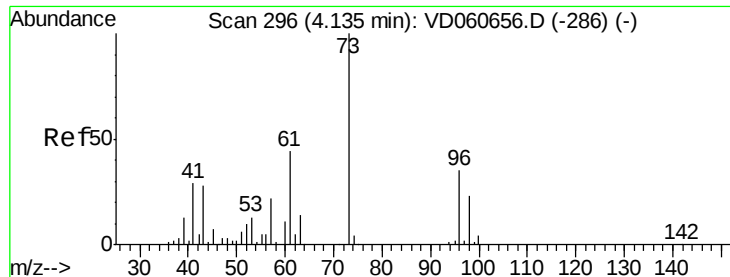
20000

10000

0

Time-->





#19

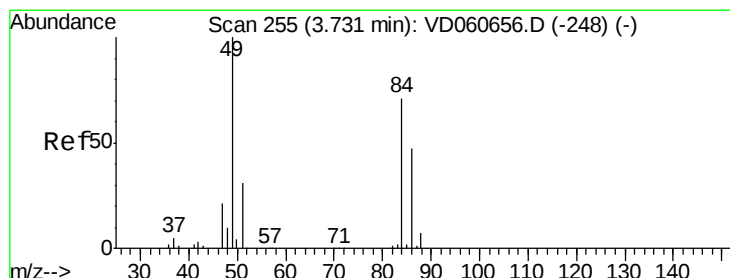
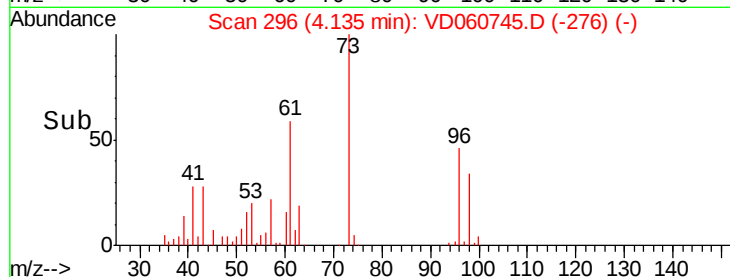
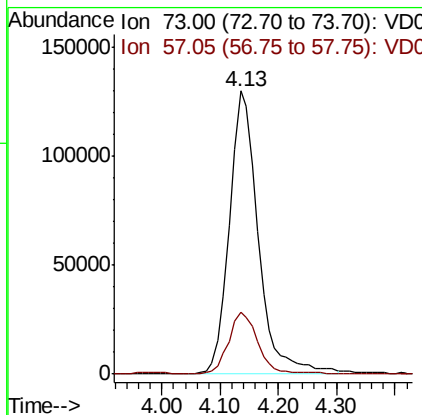
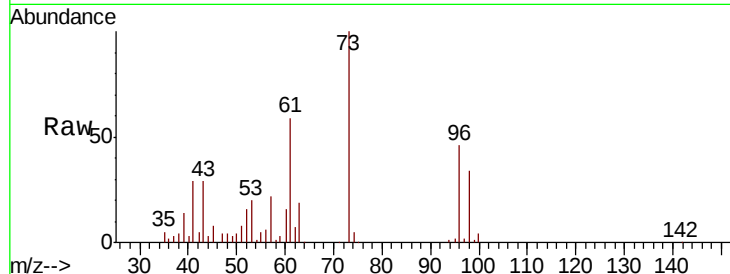
Methyl tert-butyl Ether
 Concen: 22.273 ug/l
 RT: 4.13 min Scan# 296
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tot Ion: 73 Resp: 448431
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.6 26.4

Manual Integrations
 APPROVED

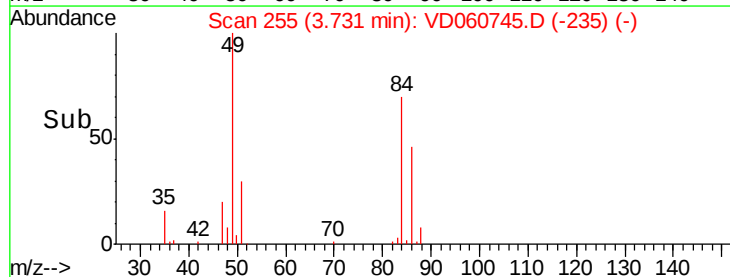
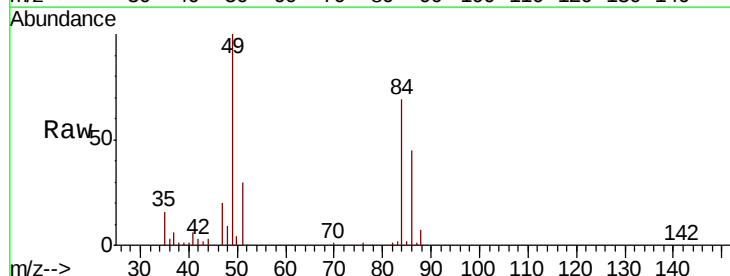
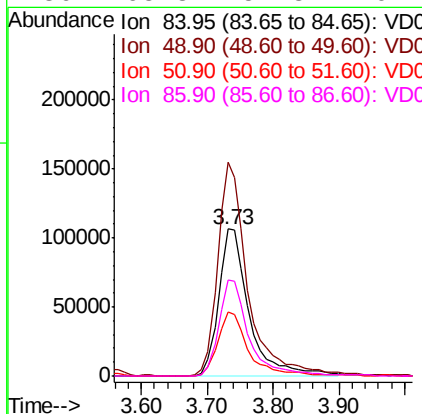
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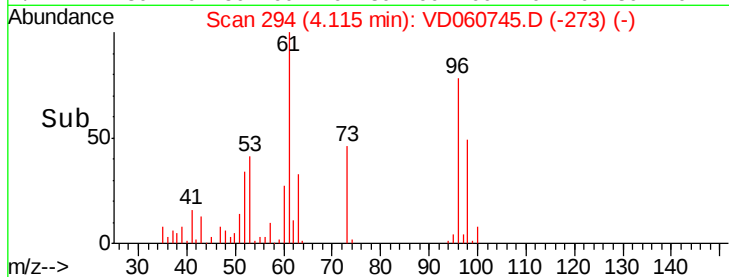
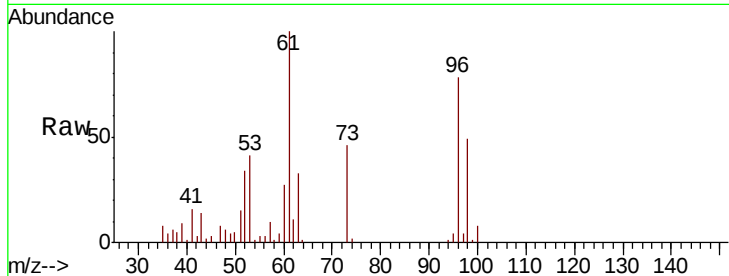
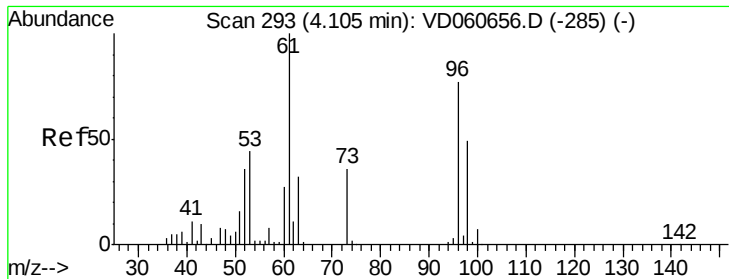


#20

Methylene Chloride
 Concen: 19.094 ug/l
 RT: 3.73 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 84 Resp: 343131
 Ion Ratio Lower Upper
 84 100
 49 145.5 113.6 170.4
 51 43.4 34.7 52.1
 86 65.8 52.8 79.2





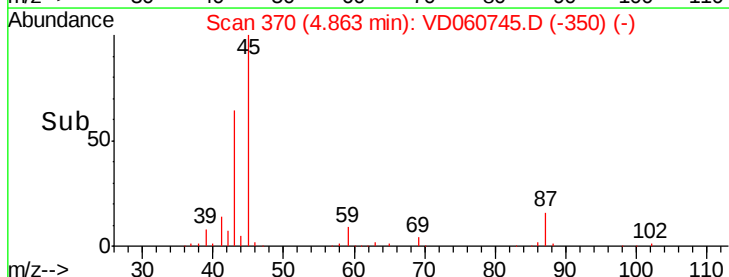
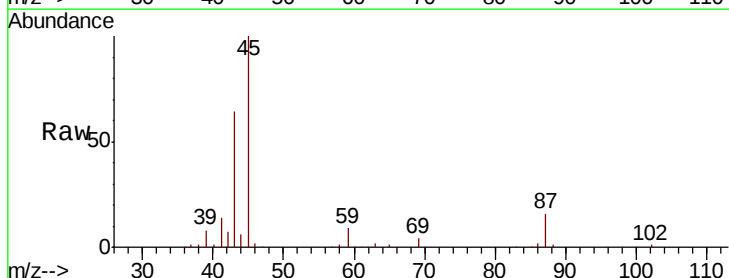
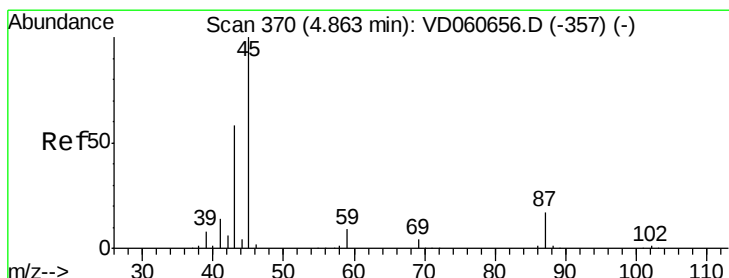
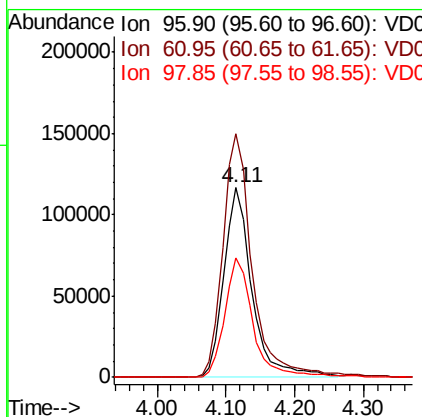
#21
trans-1,2-Dichloroethene
Concen: 20.331 ug/l
RT: 4.11 min Scan# 294
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.3	104.2	156.2
98	63.2	51.2	76.8

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

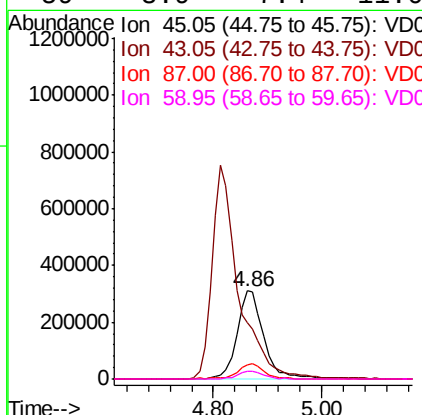
Manual Integrations
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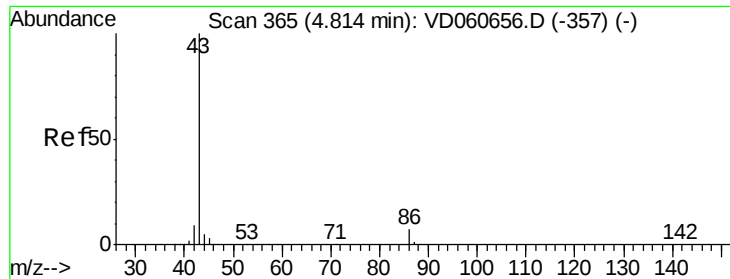
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#22
Diisopropyl ether
Concen: 21.332 ug/l
RT: 4.86 min Scan# 370
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	46.1	69.1
87	16.4	13.7	20.5
59	8.9	7.4	11.0





#23

Vinyl Acetate

Concen: 106.293 ug/l

RT: 4.81 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 43 Resp: 2542531

Ion Ratio Lower Upper

43 100

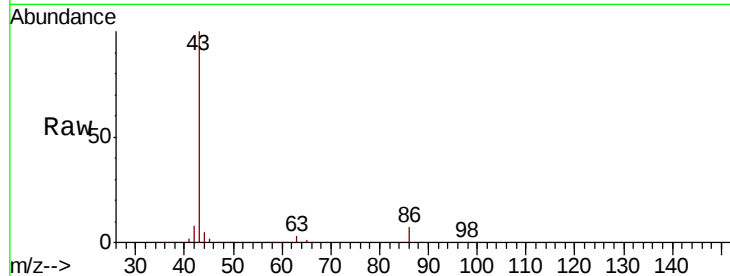
86 6.6 5.6 8.4

Manual Integrations

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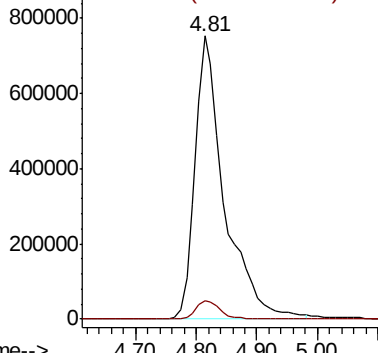
apatel

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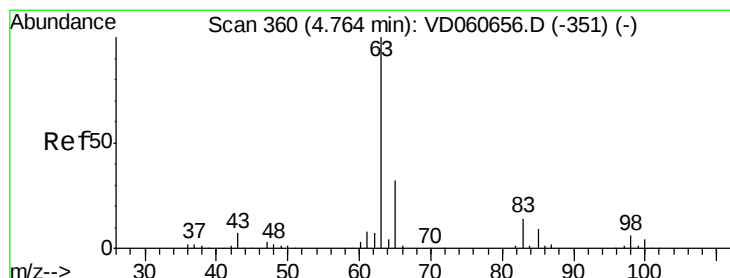
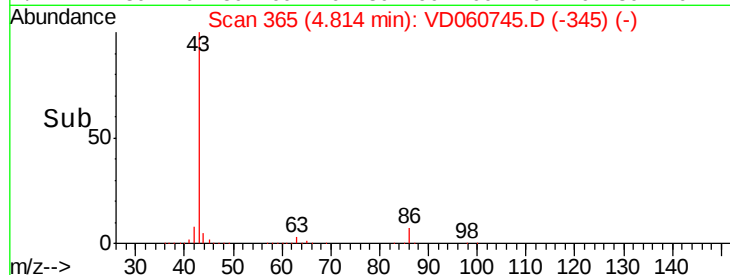


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.760 ug/l

RT: 4.77 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

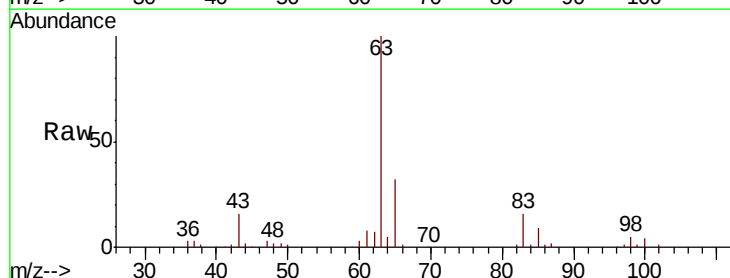
Tgt Ion: 63 Resp: 539868

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.7

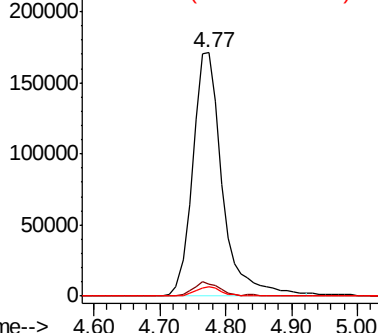
100 3.9 2.0 5.8



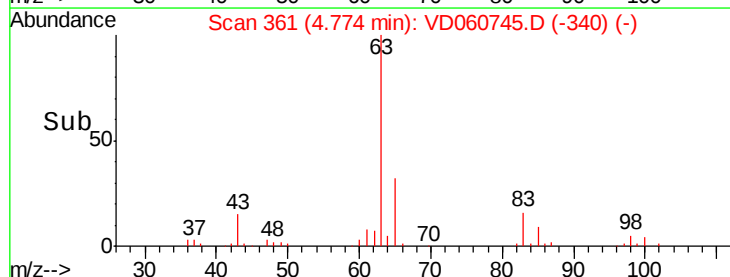
Abundance Ion 62.95 (62.65 to 63.65): VDC

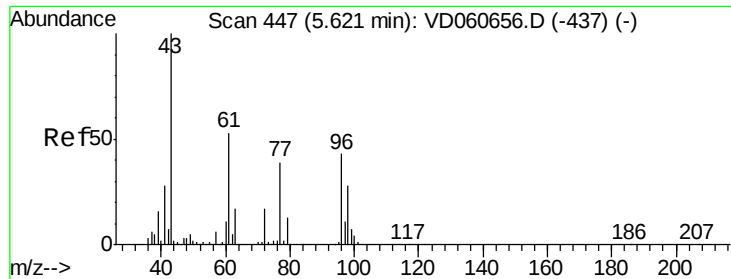
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 115.450 ug/l

RT: 5.63 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 43 Resp: 382288

Ion Ratio Lower Upper

43 100

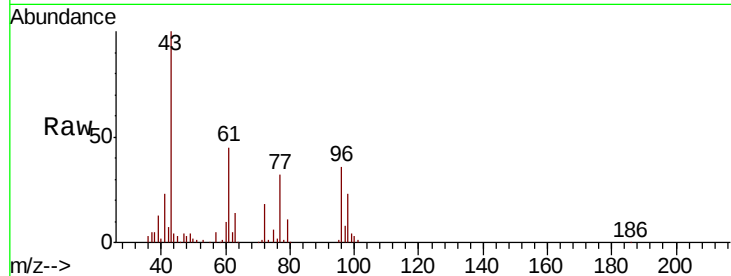
72 18.3 13.7 20.5

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

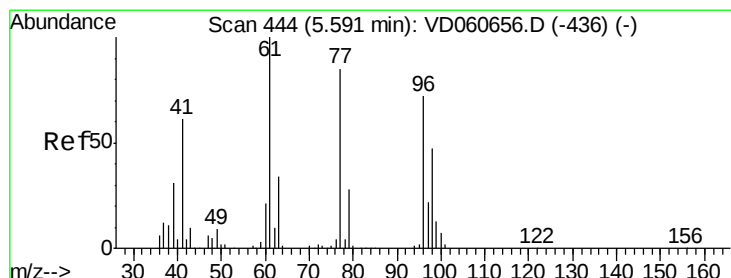
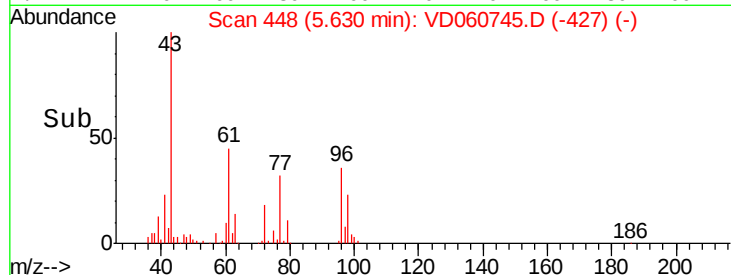
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.485 ug/l

RT: 5.60 min Scan# 445

Delta R.T. 0.01 min

Lab File: VD060745.D

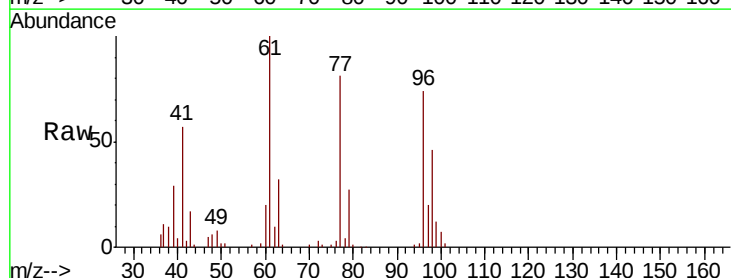
Acq: 28 Dec 2018 14:31

Tgt Ion: 77 Resp: 441051

Ion Ratio Lower Upper

77 100

97 24.6 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

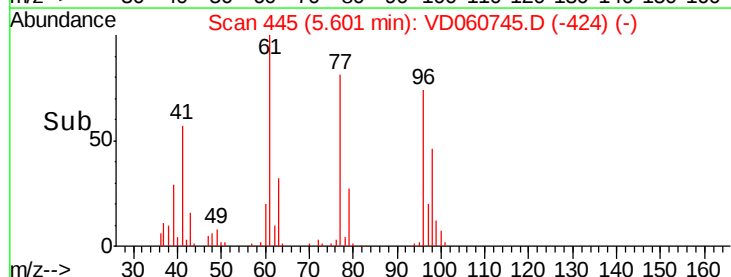
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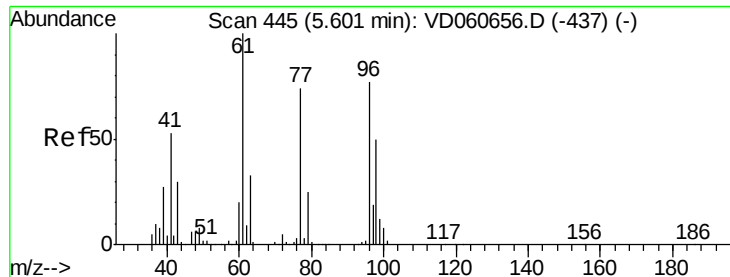
50000

0

5.50 5.60 5.70 5.80

Time-->





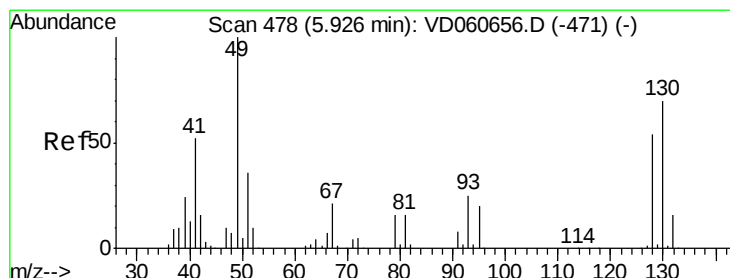
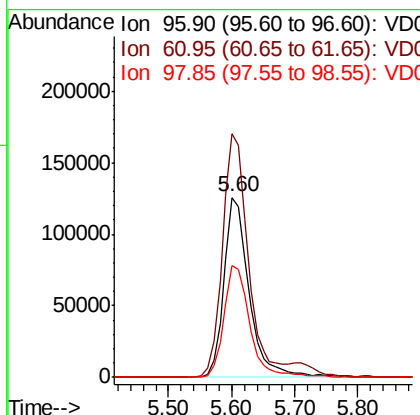
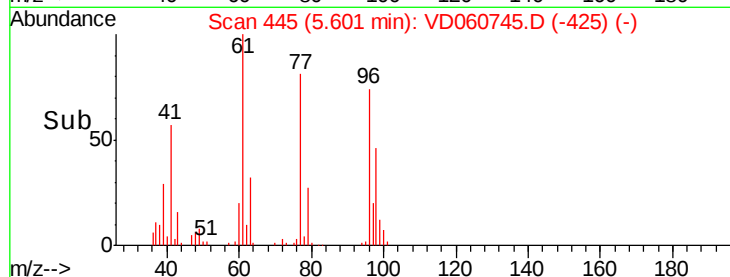
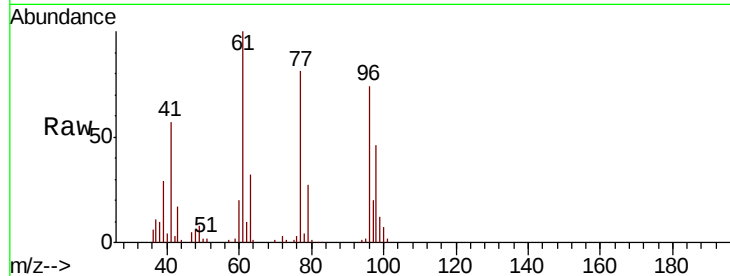
#27
 cis-1,2-Dichloroethene
 Concen: 21.021 ug/l
 RT: 5.60 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.6	0.0	259.4	
98	62.4	0.0	130.0	

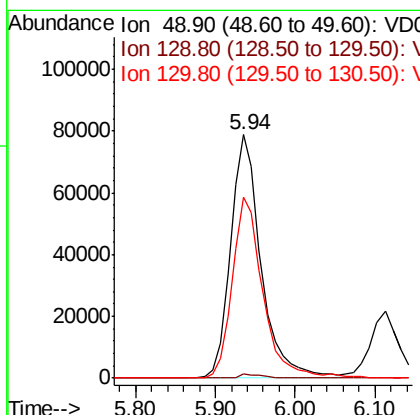
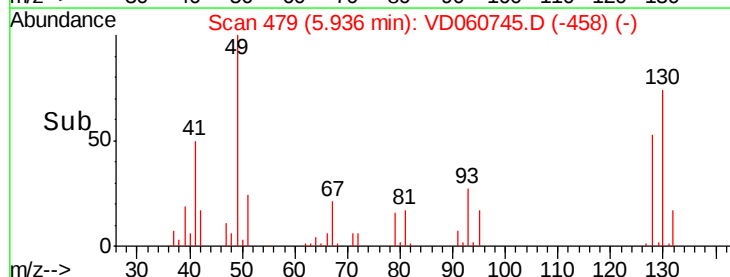
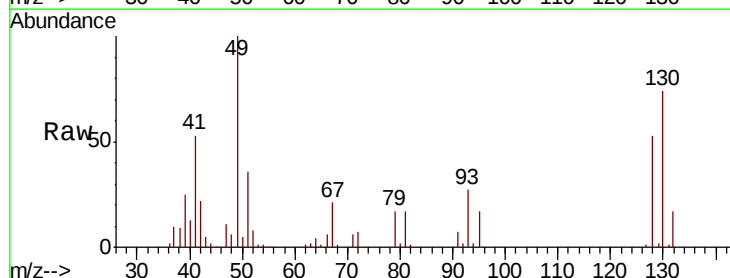
Manual Integrations
 APPROVED

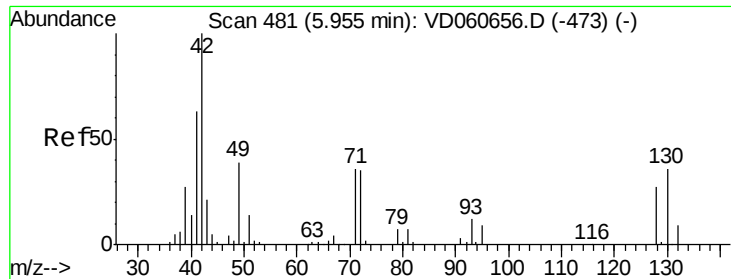
apatel
 1/2/2019 1:14:45 PM



#28
 Bromochloromethane
 Concen: 19.109 ug/l
 RT: 5.94 min Scan# 479
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.4	
130	74.2	56.2	84.2	





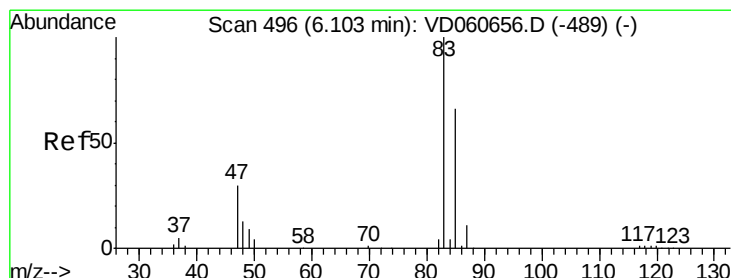
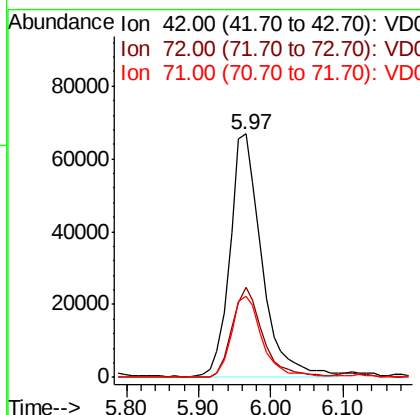
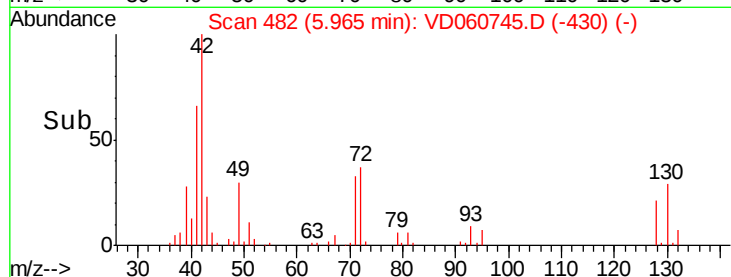
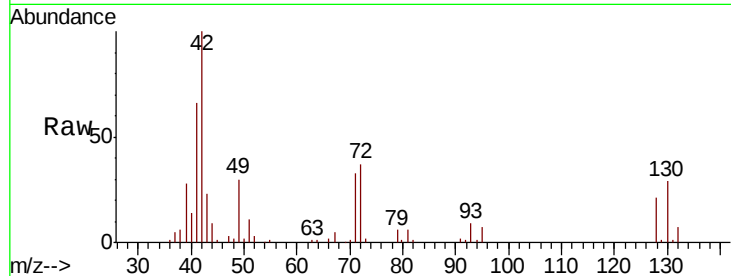
#29
Tetrahydrofuran
Concen: 109.979 ug/l
RT: 5.97 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.0	42.0
71	31.9	27.0	40.6

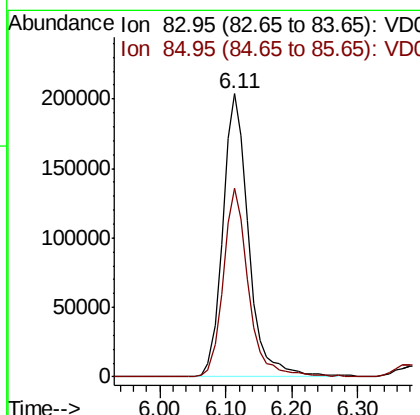
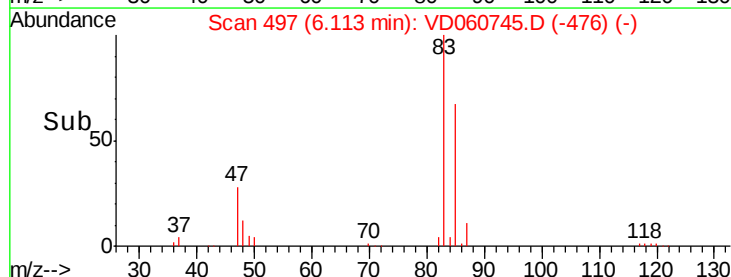
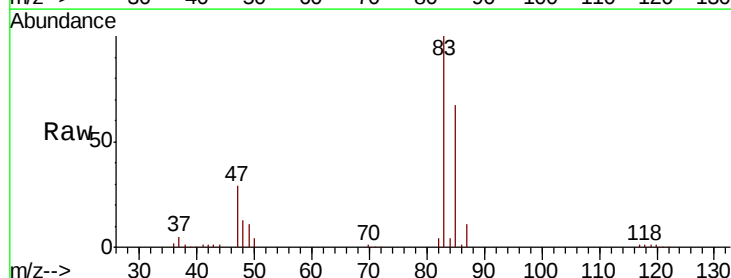
Manual Integrations
APPROVED

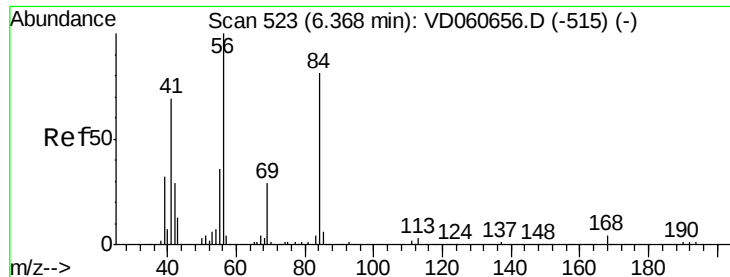
apatel
1/2/2019 1:14:45 PM



#30
Chloroform
Concen: 21.334 ug/l
RT: 6.11 min Scan# 497
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.0	79.6





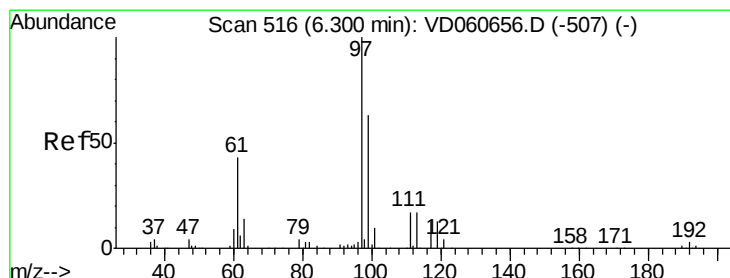
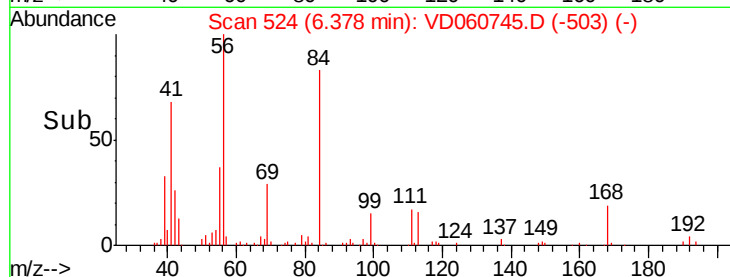
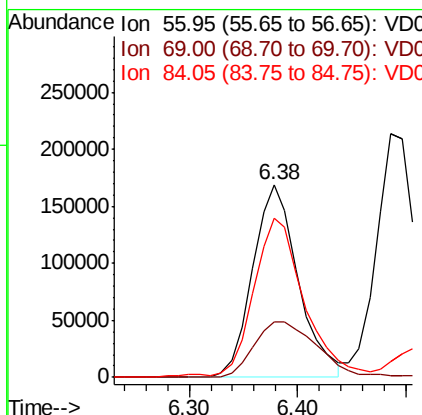
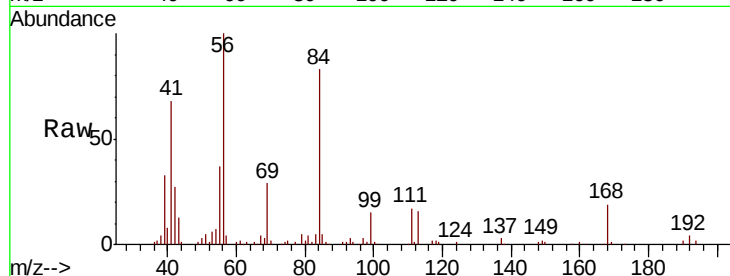
#31
Cvclohexane
Concen: 19.671 ug/l
RT: 6.38 min Scan# 524
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.6	35.4
84	82.5	65.8	98.6

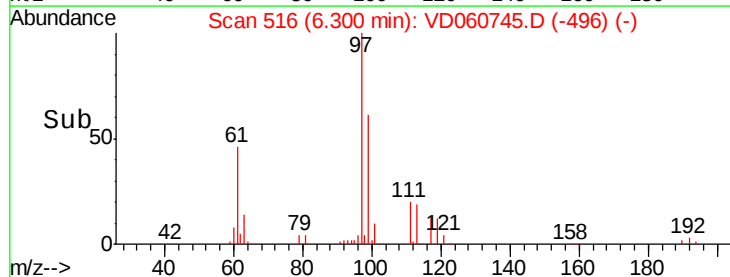
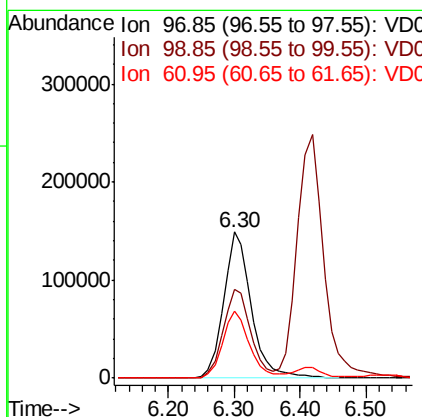
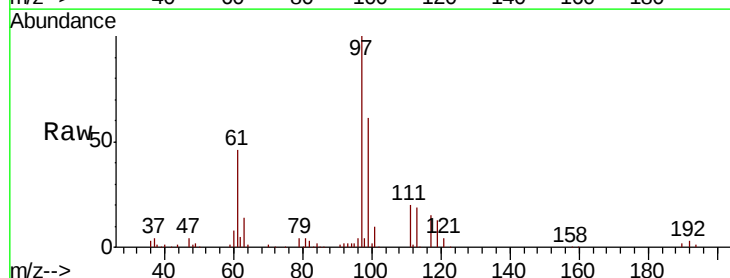
Manual Integrations
APPROVED

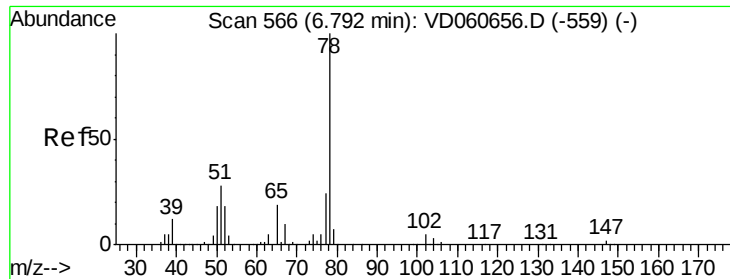
apatel
1/2/2019 1:14:45 PM



#32
1,1,1-Trichloroethane
Concen: 20.171 ug/l
RT: 6.30 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.1	50.5	75.7
61	46.0	34.6	51.8





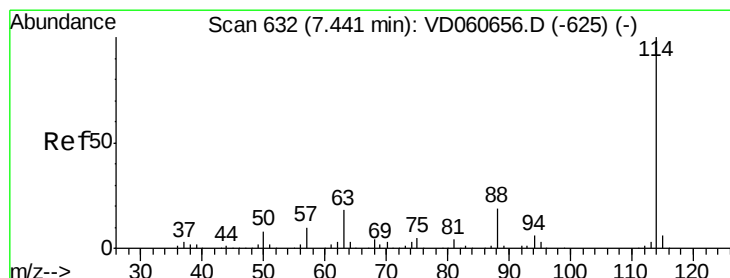
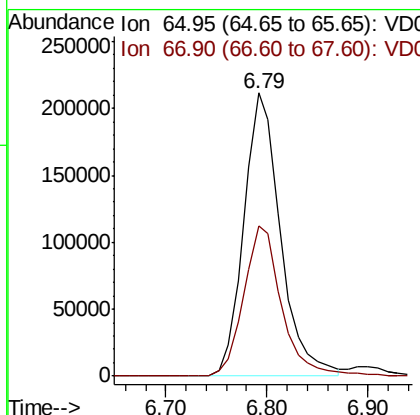
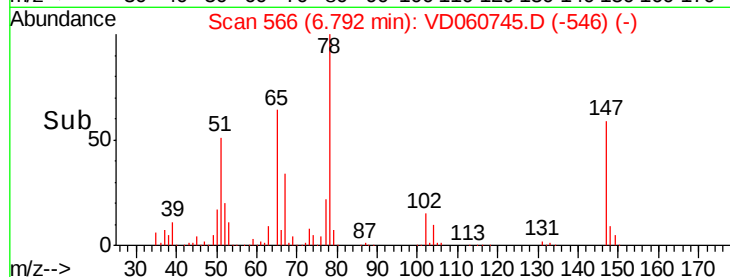
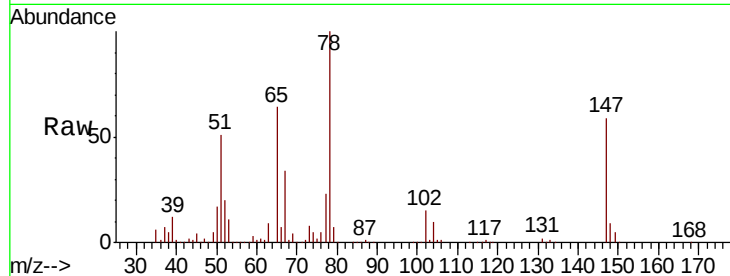
#33
 1,2-Dichloroethane-d4
 Concen: 20.171 ug/l
 RT: 6.79 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	105.4	

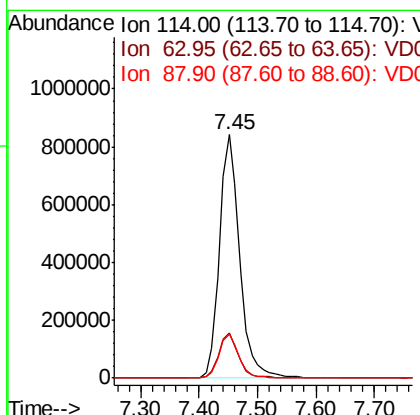
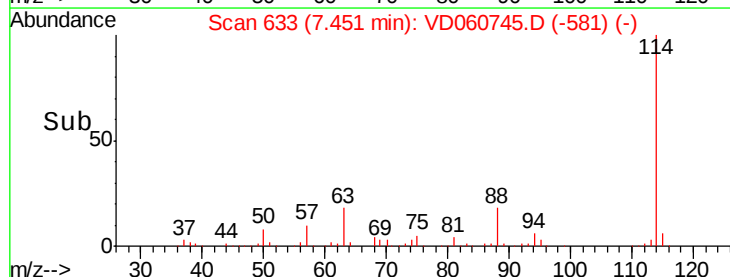
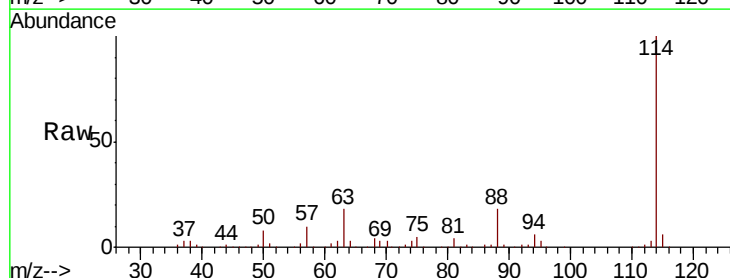
Manual Integrations
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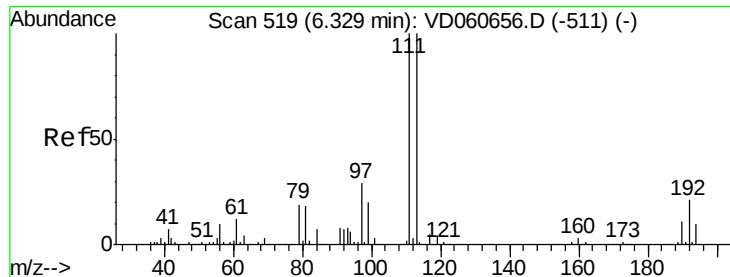
apatel
 1/2/2019 1:14:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	36.2	
88	18.3	0.0	37.0	





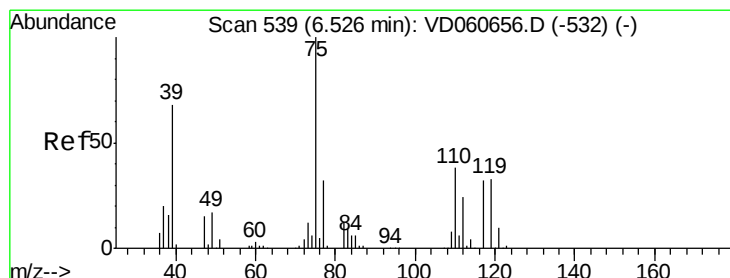
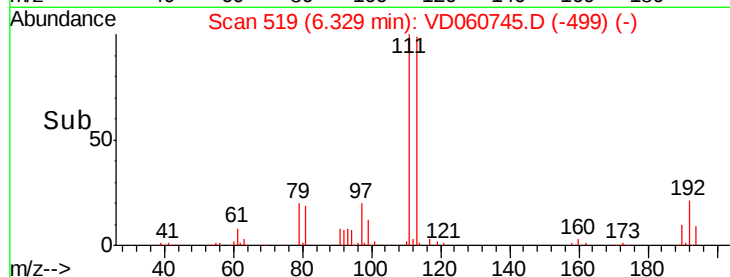
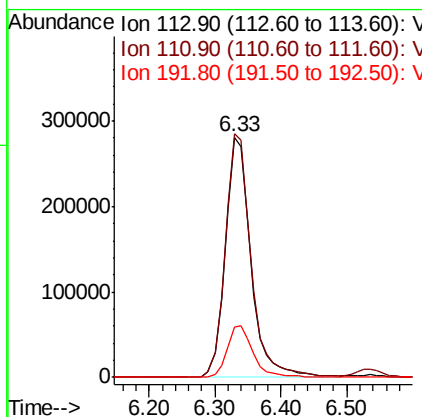
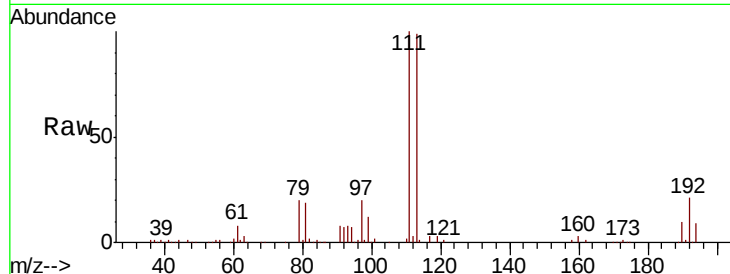
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	767647		
111	101.5	80.0	120.0	
192	20.9	16.6	25.0	

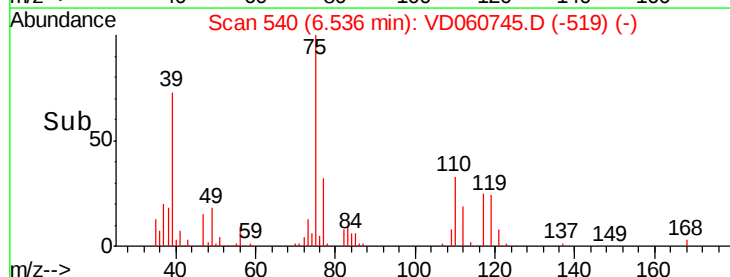
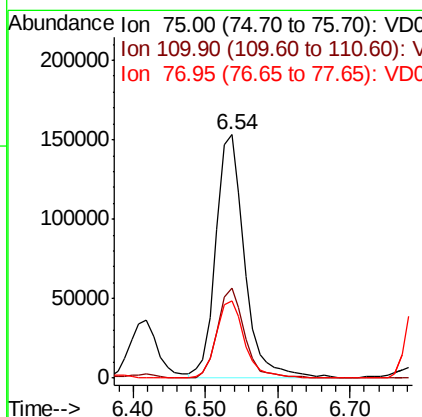
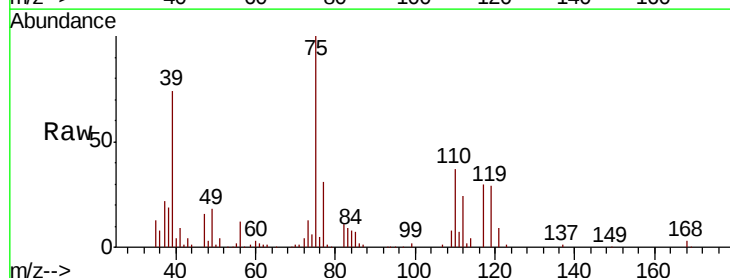
Manual Integrations
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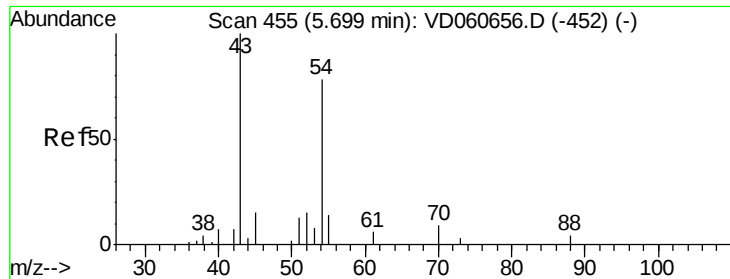
apatel
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#36
1,1-Dichloropropene
Concen: 19.869 ug/l
RT: 6.54 min Scan# 540
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	414725		
110	36.7	18.9	56.7	
77	31.5	25.4	38.0	





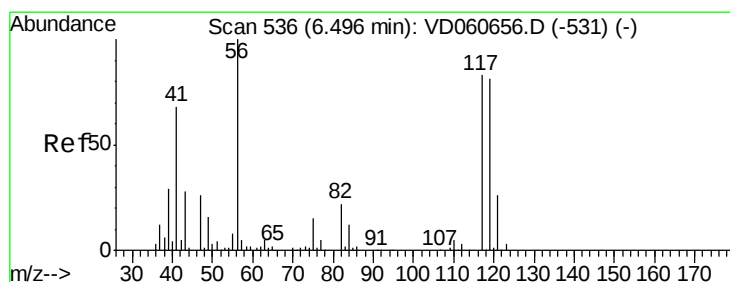
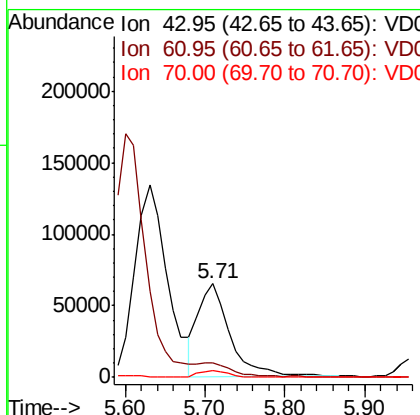
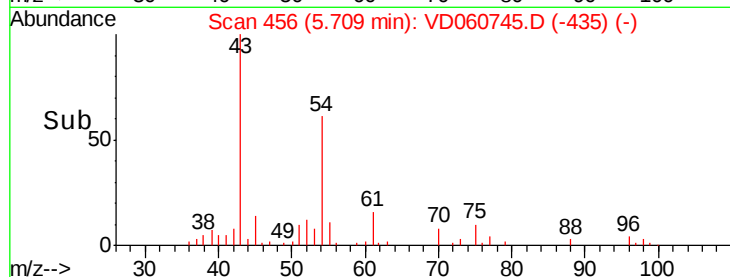
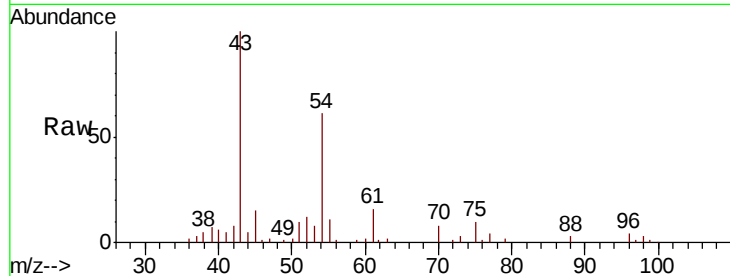
#37
Ethyl Acetate
Concen: 20.383 ug/l
RT: 5.71 min Scan# 456
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	7.5	5.8	8.6

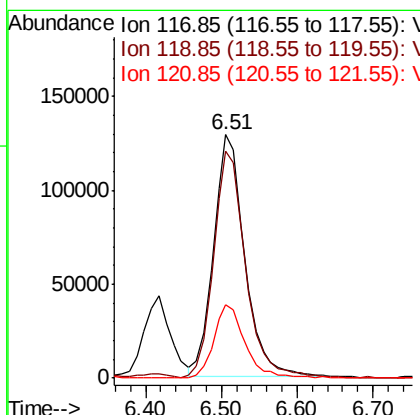
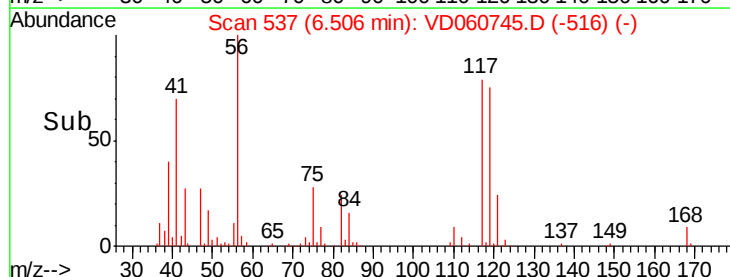
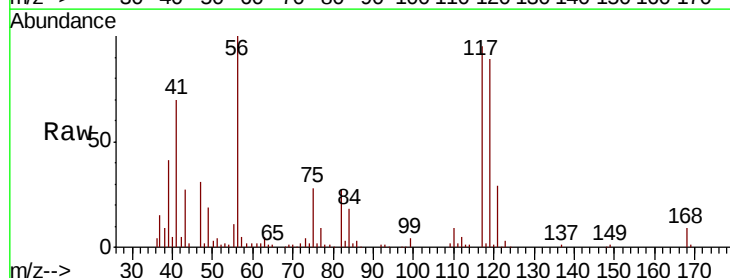
Manual Integrations
APPROVED

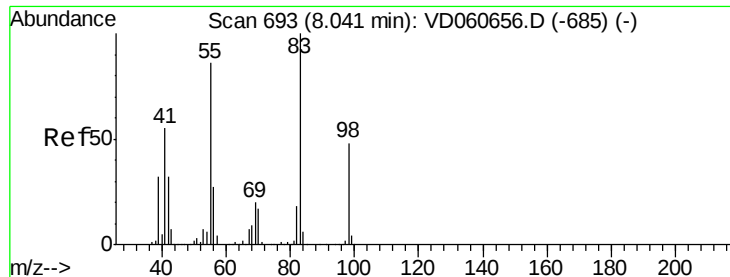
apatel
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#38
Carbon Tetrachloride
Concen: 20.201 ug/l
RT: 6.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.0	115.4
121	30.1	24.7	37.1





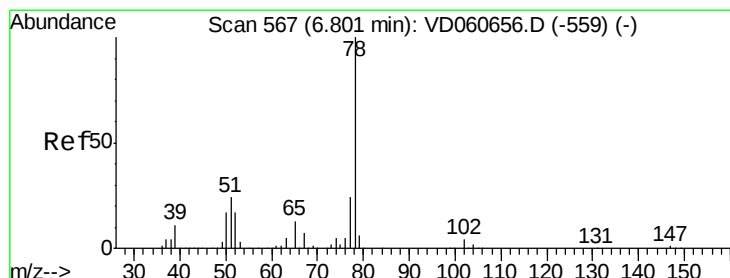
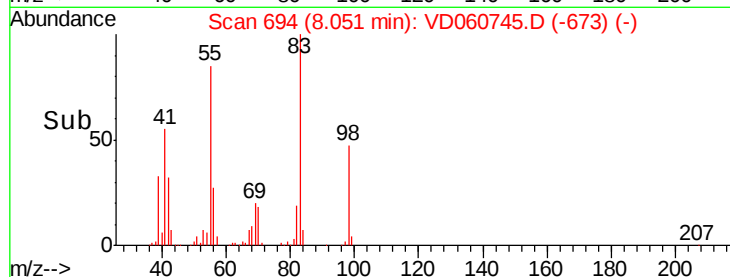
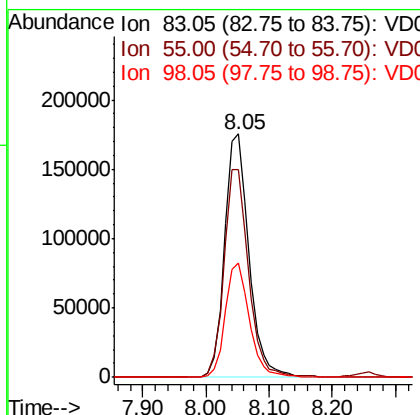
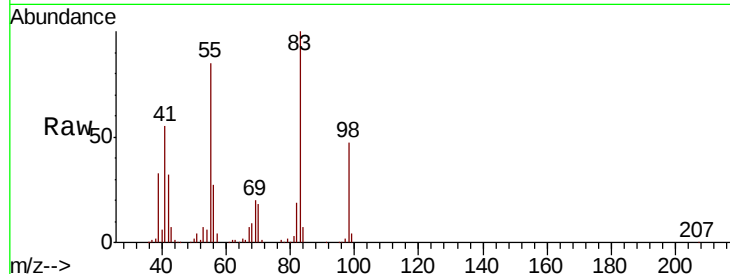
#39
Methvlcvclohexane
Concen: 19.611 ug/l
RT: 8.05 min Scan# 694
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	68.6	102.8
98	47.1	38.1	57.1

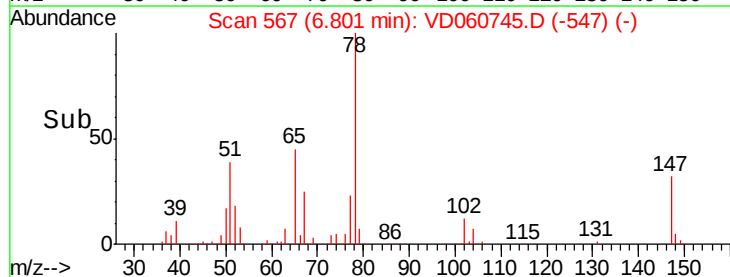
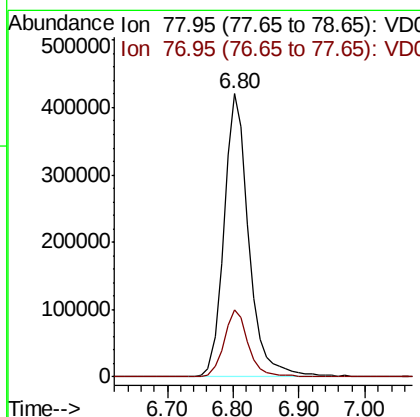
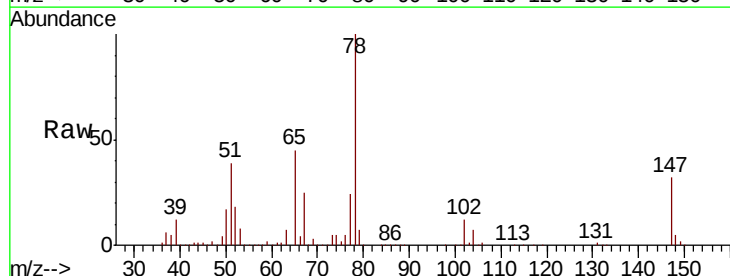
Manual Integrations
APPROVED

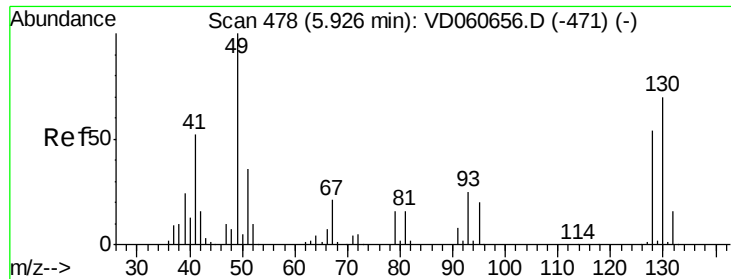
apatel
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#40
Benzene
Concen: 20.494 ug/l
RT: 6.80 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





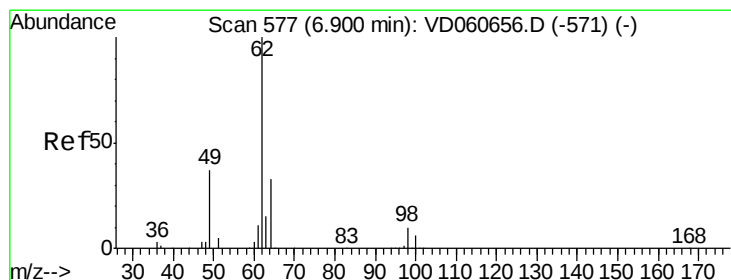
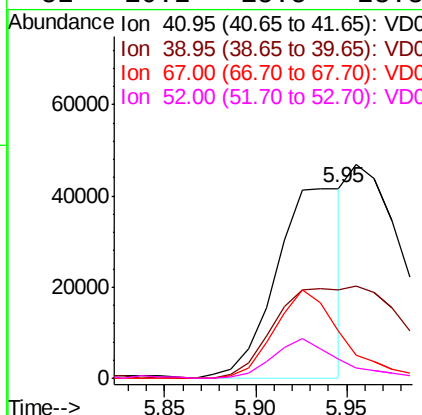
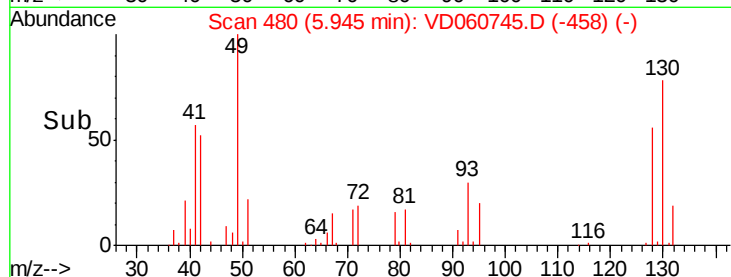
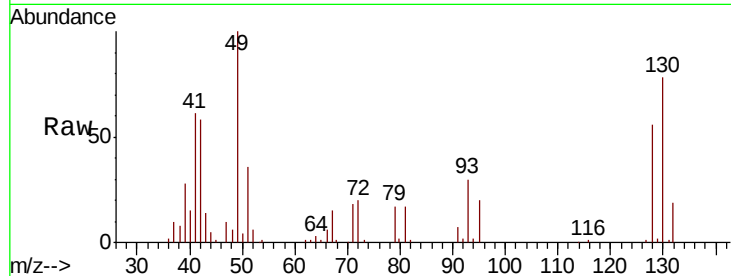
#41
Methacrylonitrile
Concen: 21.930 ug/l m
RT: 5.95 min Scan# 480
Delta R.T. 0.02 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.4	37.6	56.4
67	24.8	33.0	49.6
52	10.2	15.5	23.3

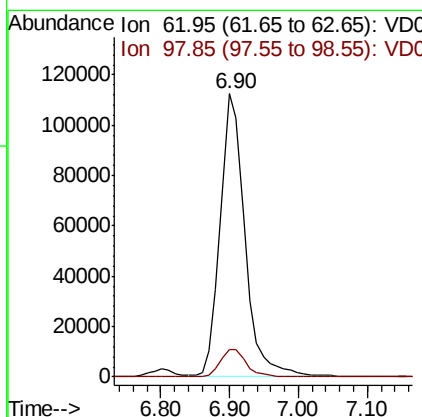
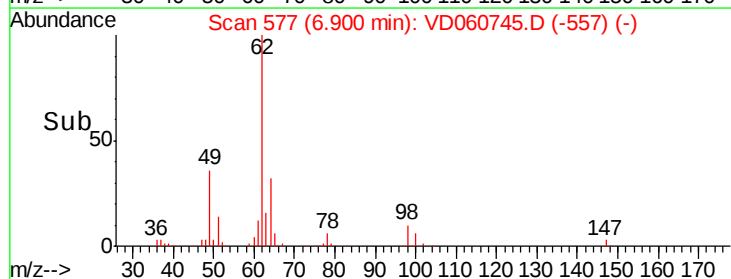
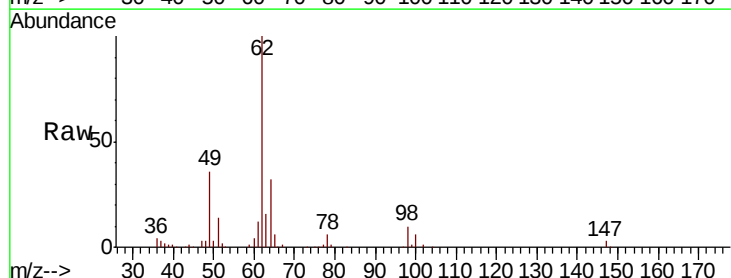
Manual Integrations
APPROVED

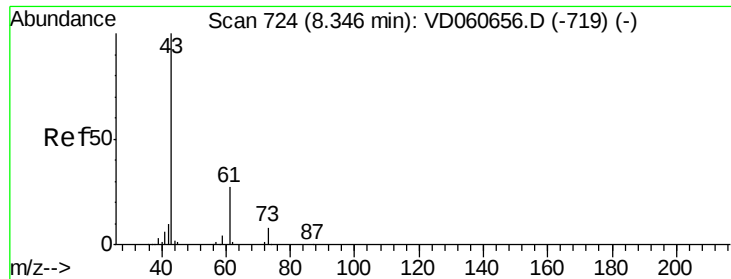
apatel
1/2/2019 1:14:45 PM



#42
1,2-Dichloroethane
Concen: 20.946 ug/l
RT: 6.90 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.4





#43

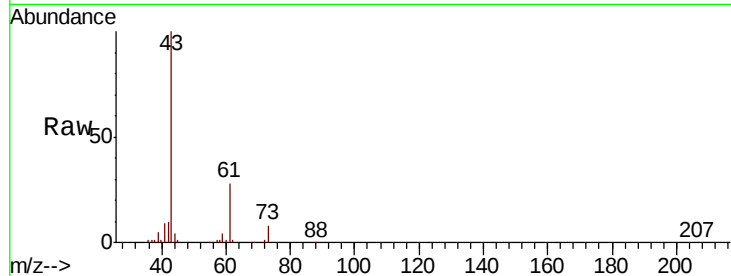
Isopropyl Acetate
 Concen: 21.030 ug/l
 RT: 8.36 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

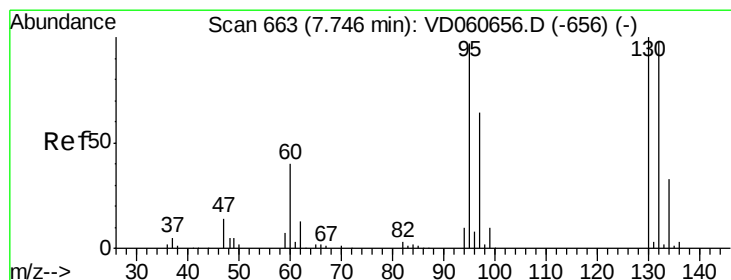
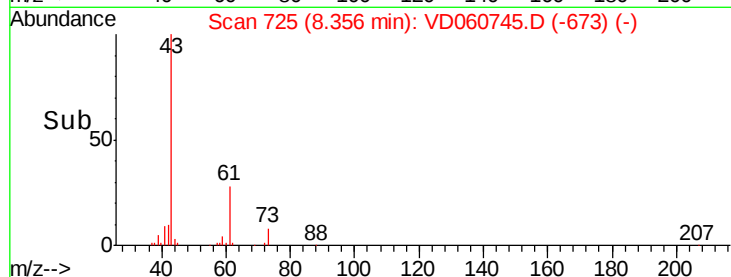
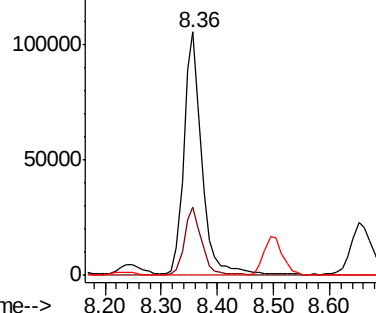
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	21.8	32.8
87	0.0	0.2	0.4

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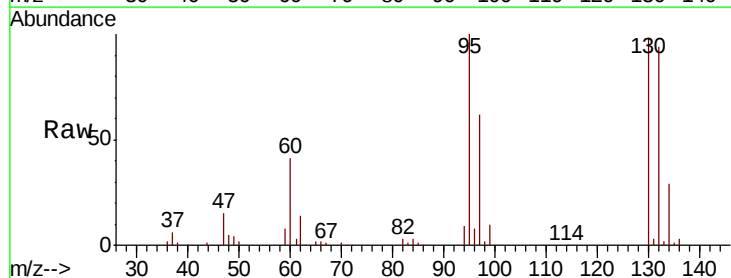
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



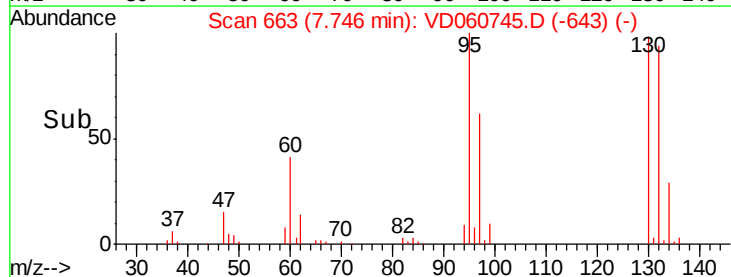
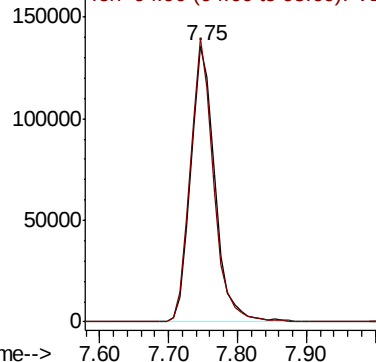
#44

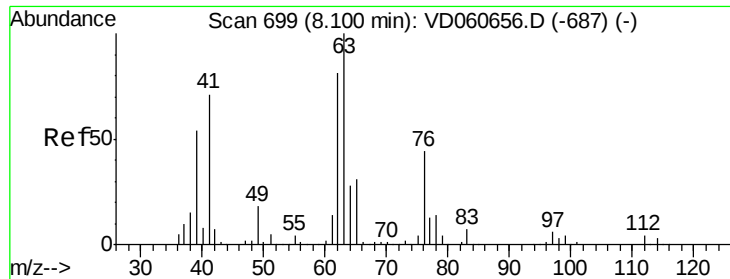
Trichloroethene
 Concen: 20.681 ug/l
 RT: 7.75 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	193.6



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





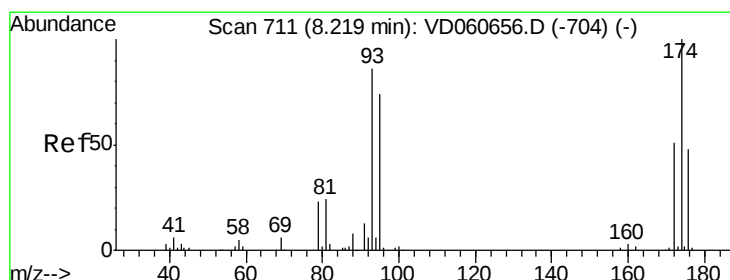
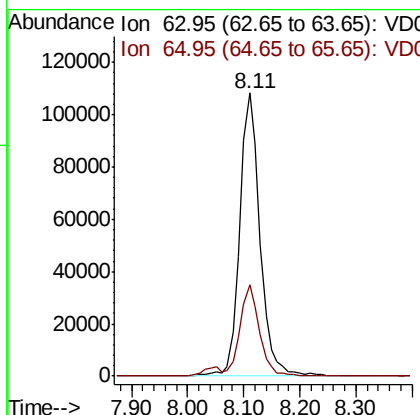
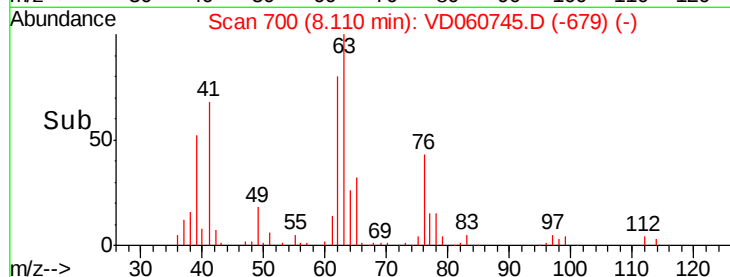
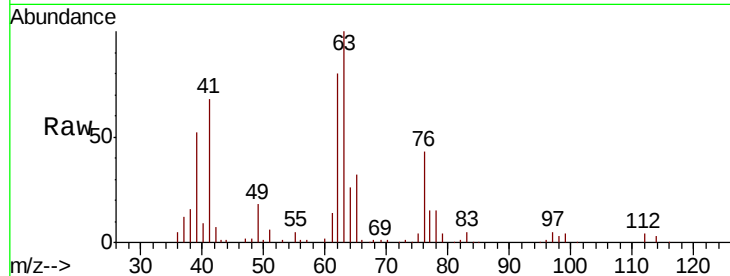
#45
 1,2-Dichloropropane
 Concen: 20.487 ug/l
 RT: 8.11 min Scan# 700
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tot Ion: 63 Resp: 270884
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.6

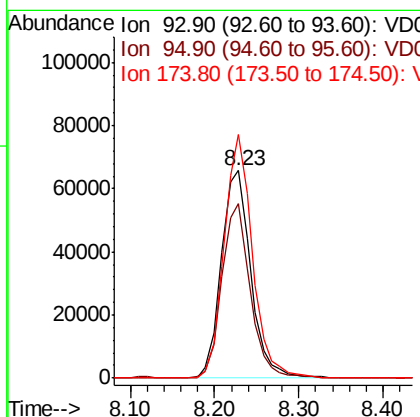
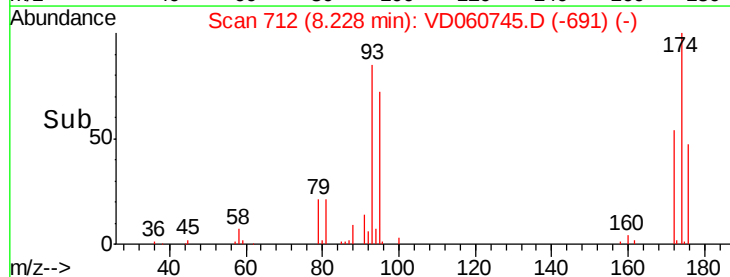
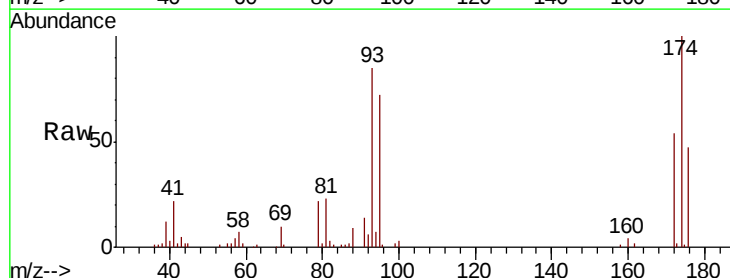
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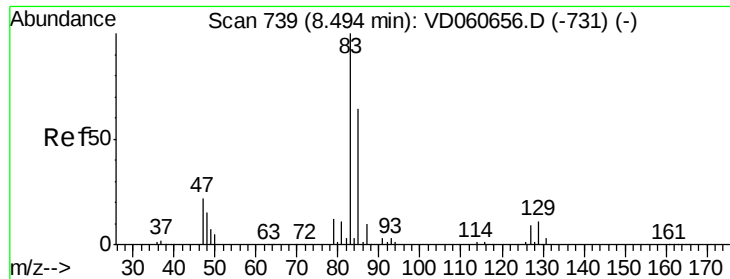
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#46
 Dibromomethane
 Concen: 21.146 ug/l
 RT: 8.23 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 93 Resp: 159577
 Ion Ratio Lower Upper
 93 100
 95 84.3 68.8 103.2
 174 117.3 93.0 139.4





#47

Bromodichloromethane

Concen: 21.384 ug/l

RT: 8.49 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

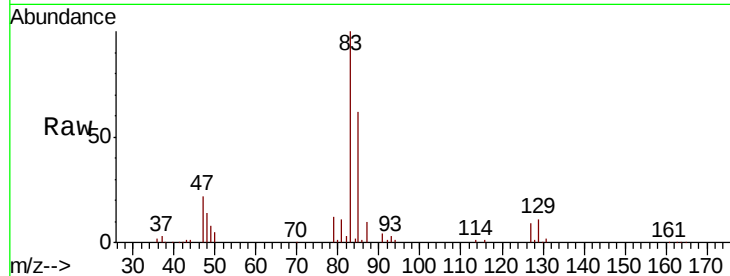
ClientSampleId :

VD1228SBS01

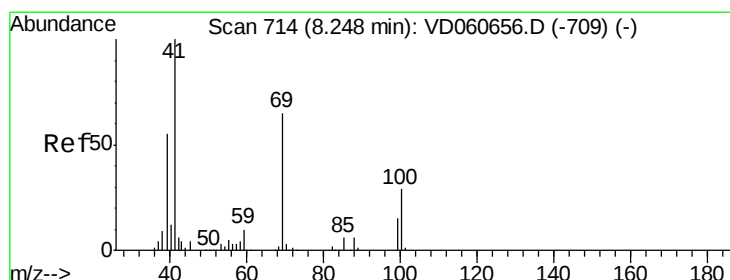
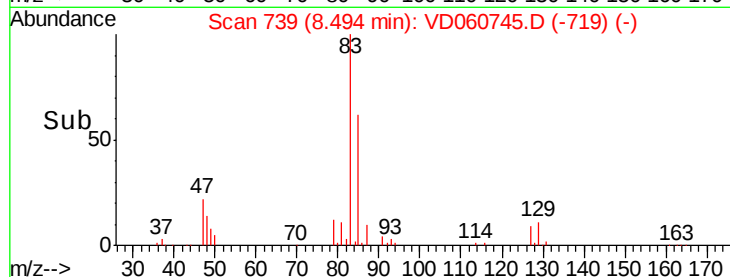
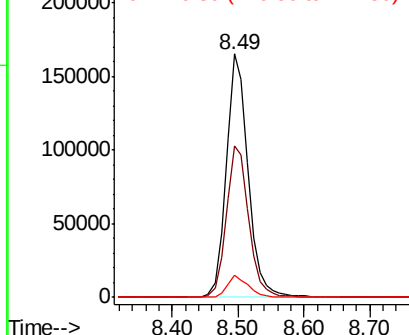
Tot Ion:	83	Resp:	382226
Ion Ratio	Lower	Upper	
83	100		
85	62.4	51.1	76.7
127	8.9	7.0	10.6

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.247 ug/l

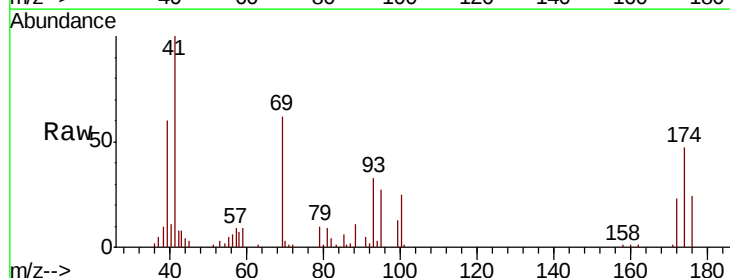
RT: 8.25 min Scan# 714

Delta R.T. 0.00 min

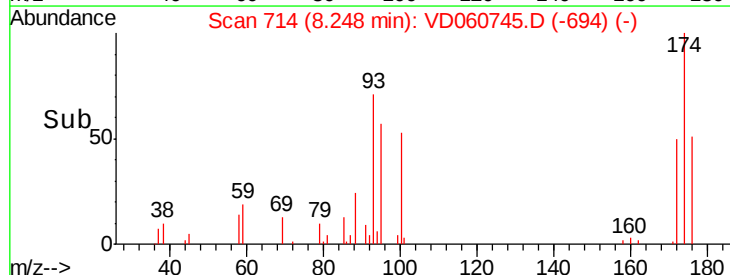
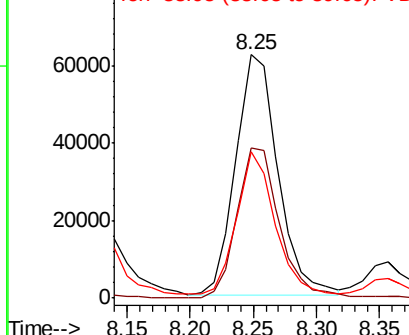
Lab File: VD060745.D

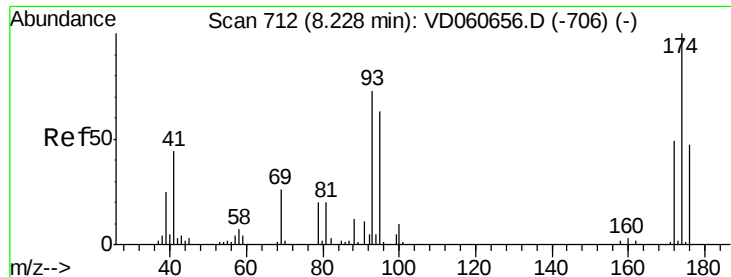
Acq: 28 Dec 2018 14:31

Tgt Ion:	41	Resp:	144569
Ion Ratio	Lower	Upper	
41	100		
69	61.9	51.2	76.8
39	60.0	44.6	67.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





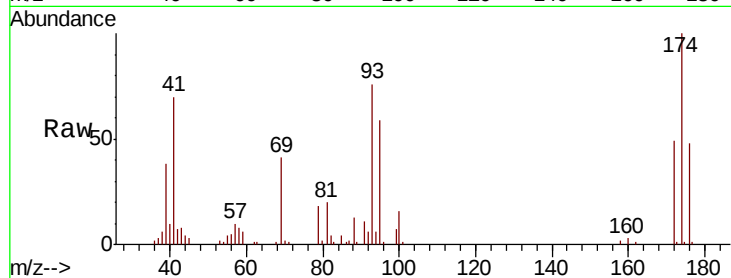
#49
1,4-Dioxane
Concen: 417.774 ug/l
RT: 8.24 min Scan# 713
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

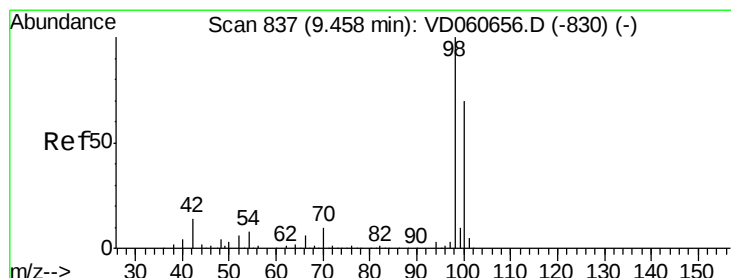
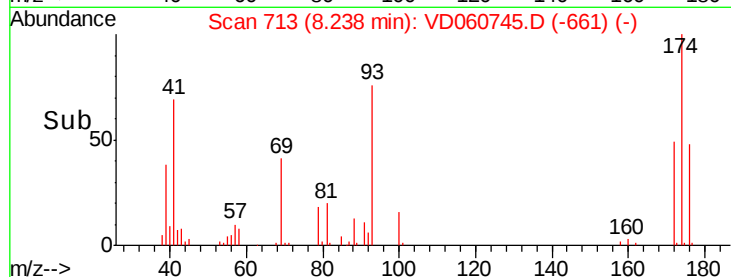
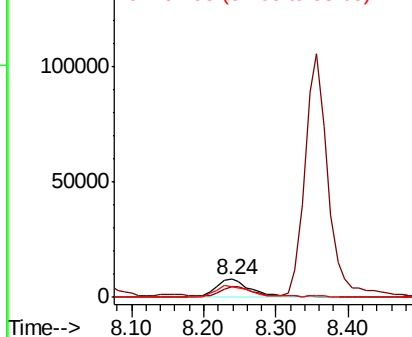
Tot Ion	Ratio	Lower	Upper
88	100		
43	58.6	31.5	47.3#
58	61.8	50.6	76.0

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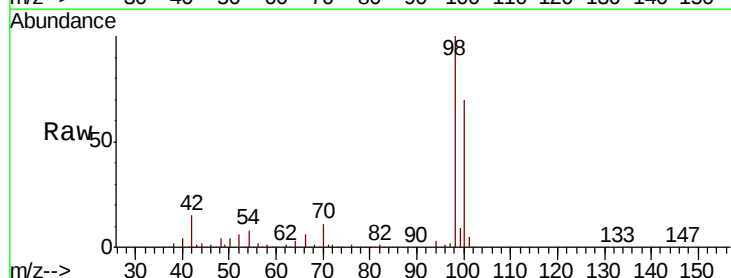


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

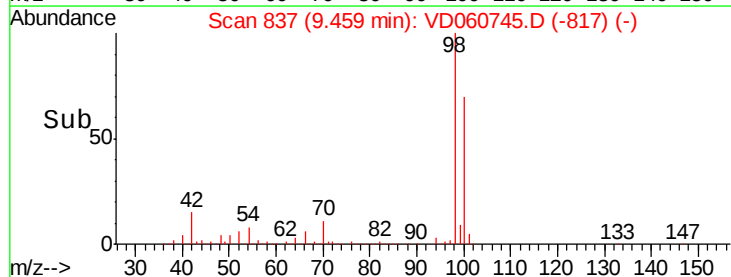
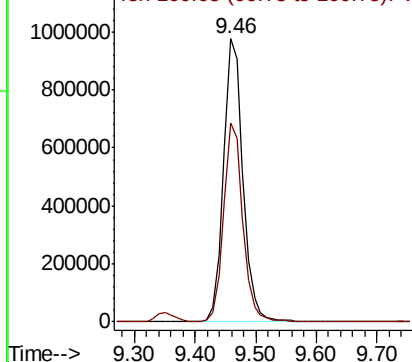


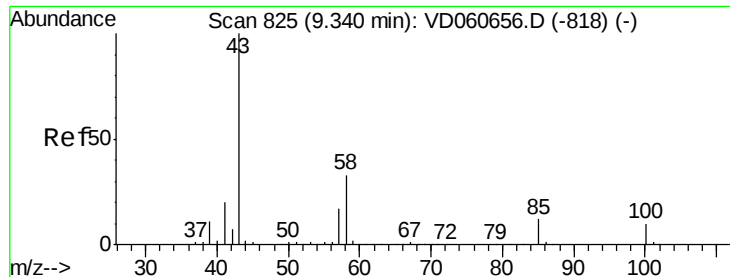
#50
Toluene-d8
Concen: 417.774 ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.8	83.8



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





#51

4-Methyl-2-Pentanone

Concen: 109.957 ug/l

RT: 9.35 min Scan# 826

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 43 Resp: 754695

Ion Ratio Lower Upper

43 100

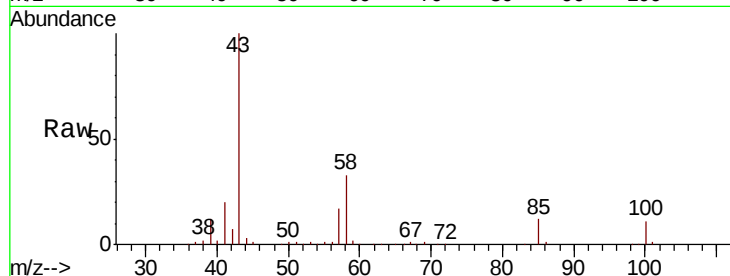
58 32.8 26.3 39.5

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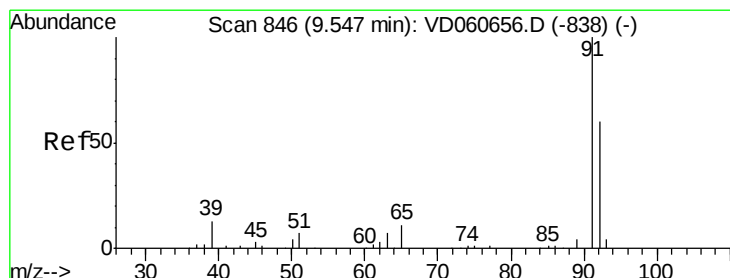
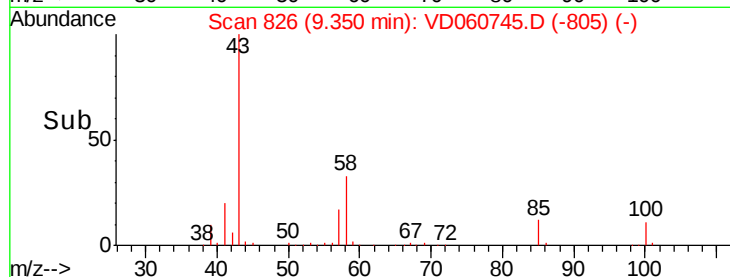
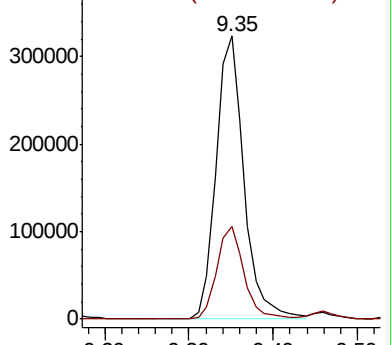
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.261 ug/l

RT: 9.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD060745.D

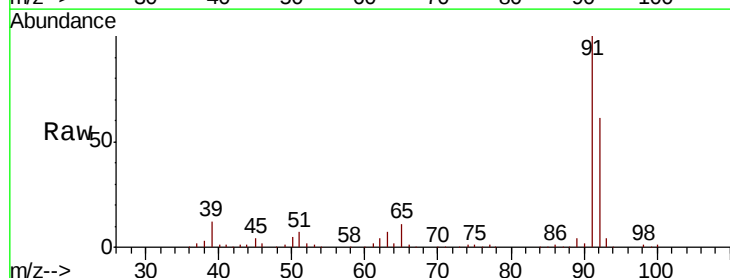
Acq: 28 Dec 2018 14:31

Tgt Ion: 92 Resp: 684808

Ion Ratio Lower Upper

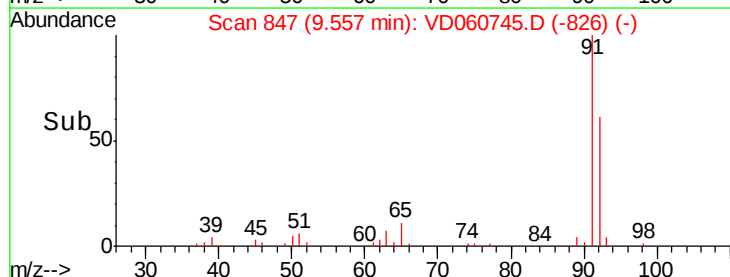
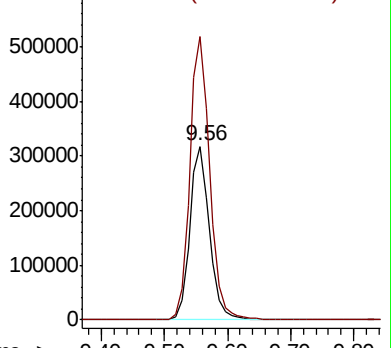
92 100

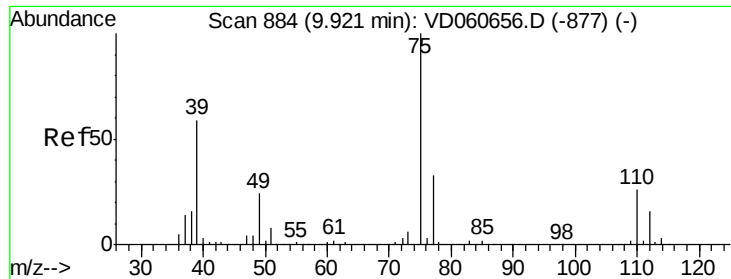
91 163.0 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.300 ug/l

RT: 9.92 min Scan# 884

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Tot Ion: 75 Resp: 317618

Ion Ratio Lower Upper

75 100

77 32.6 26.0 39.0

Instrument :

MSVOA_D

ClientSampleId :

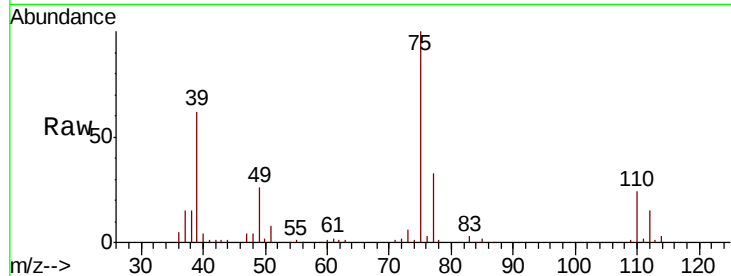
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

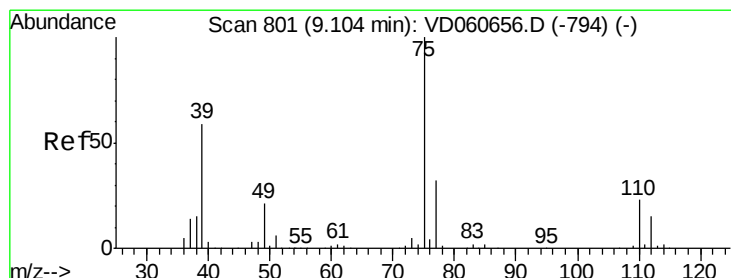
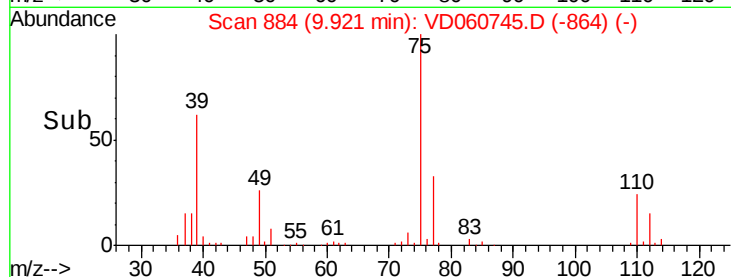
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.149 ug/l

RT: 9.10 min Scan# 801

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

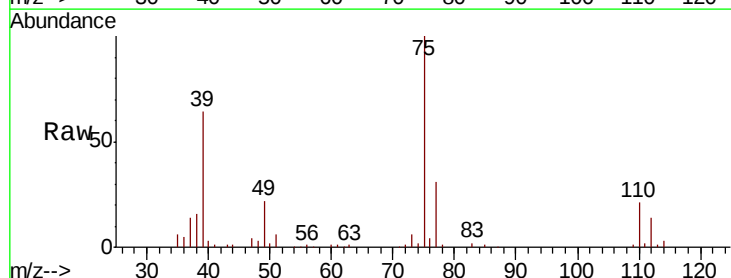
Tgt Ion: 75 Resp: 412786

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2

39 63.5 47.0 70.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

150000

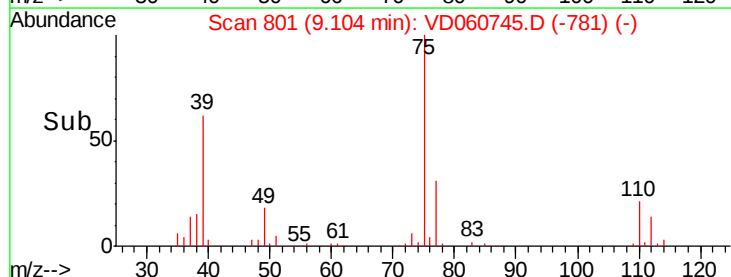
100000

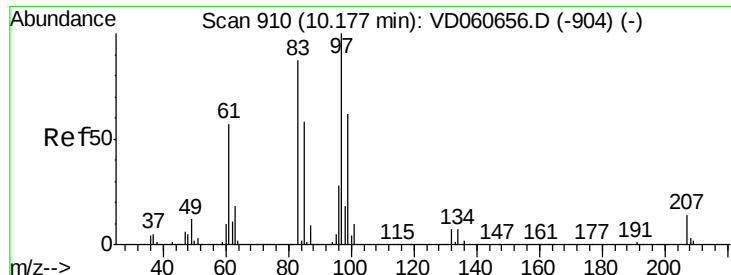
50000

0

9.00 9.10 9.20 9.30

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.534 ug/l

RT: 10.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

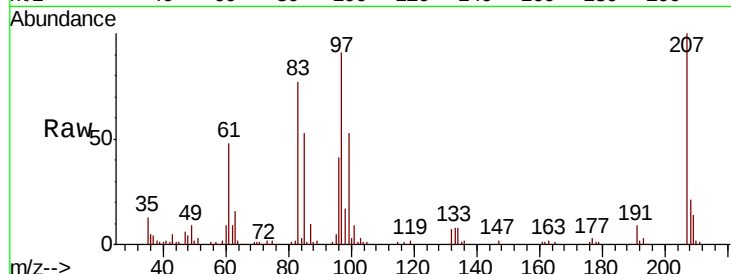
ClientSampleId :

VD1228SBS01

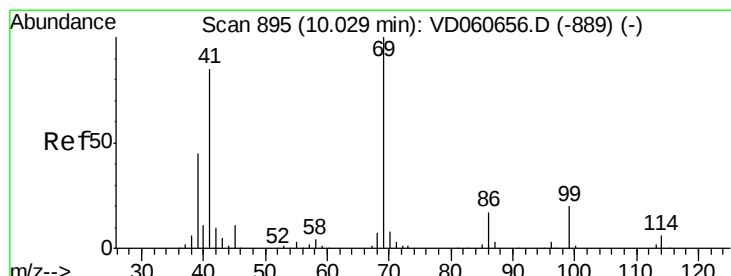
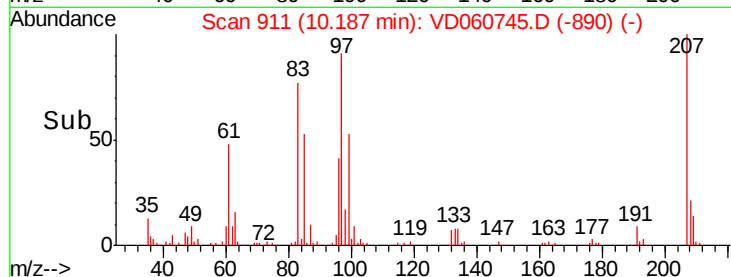
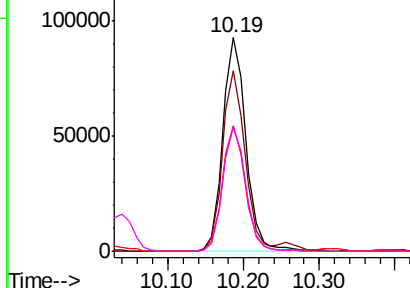
Tot Ion:	97	Resp:	195832
Ion Ratio	Lower	Upper	
97	100		
83	84.4	70.0	105.0
85	58.6	46.6	70.0
99	58.0	49.6	74.4

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Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.841 ug/l

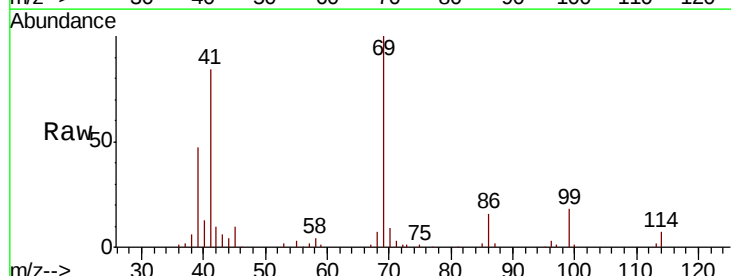
RT: 10.04 min Scan# 896

Delta R.T. 0.01 min

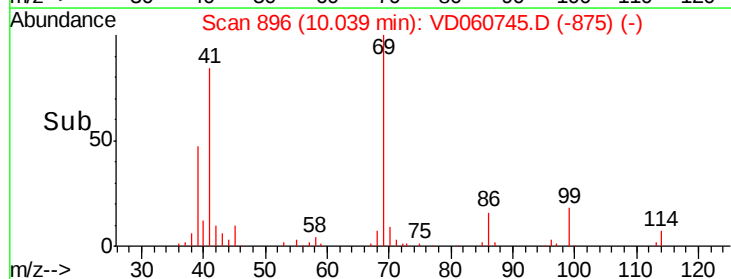
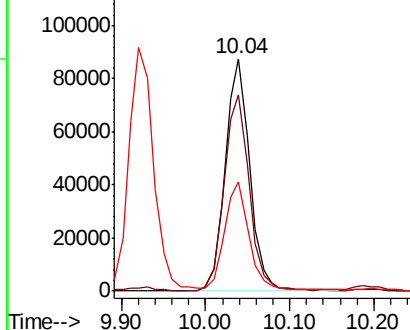
Lab File: VD060745.D

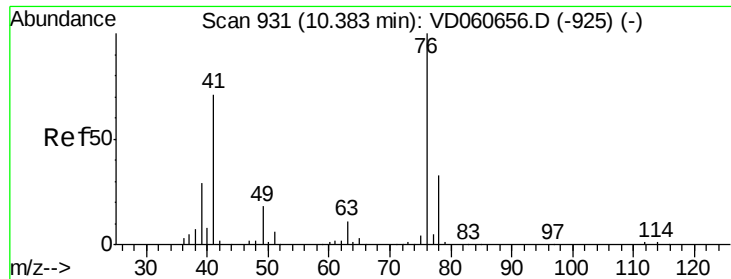
Acq: 28 Dec 2018 14:31

Tgt Ion:	69	Resp:	176045
Ion Ratio	Lower	Upper	
69	100		
41	84.4	68.3	102.5
39	46.9	37.2	55.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





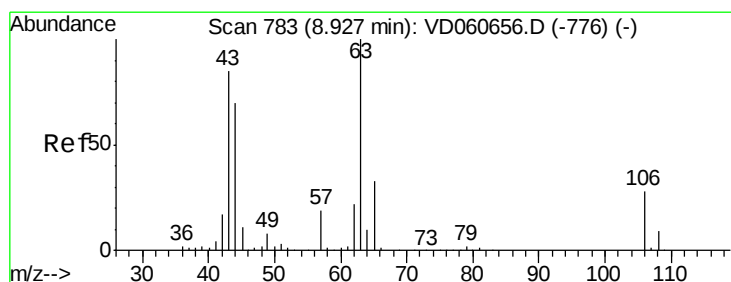
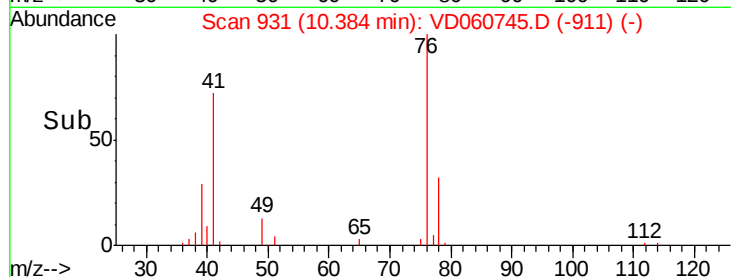
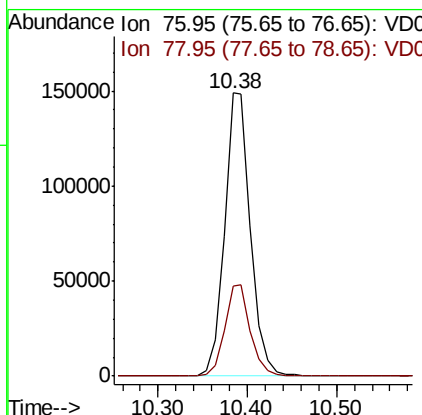
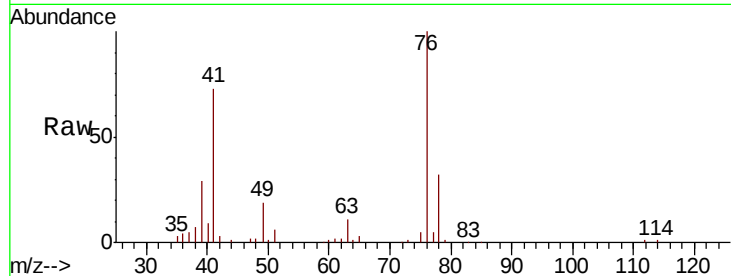
#57
 1,3-Dichloropropane
 Concen: 20.975 ug/l
 RT: 10.38 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tot Ion: 76 Resp: 302345
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1

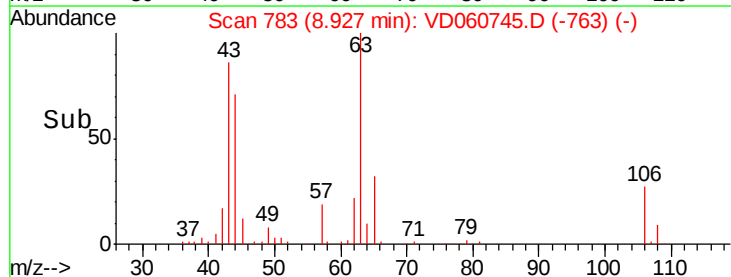
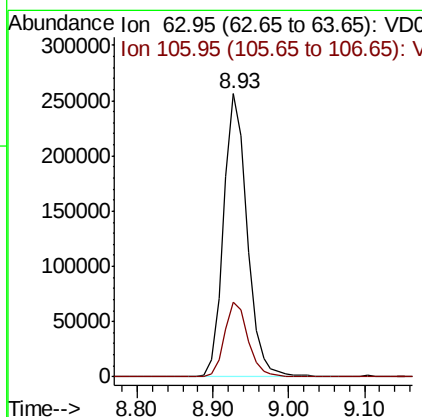
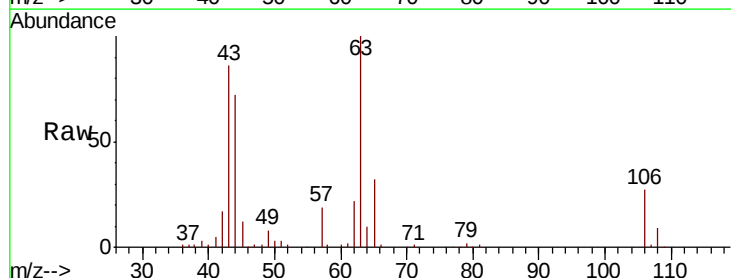
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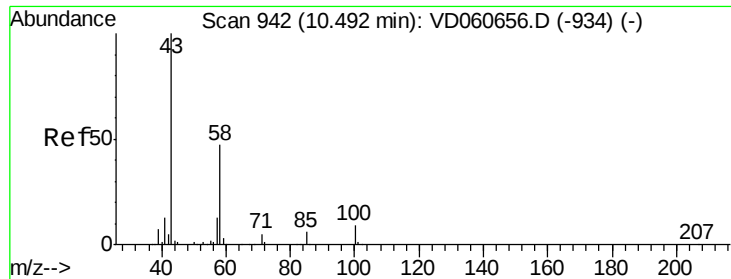
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.316 ug/l
 RT: 8.93 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 63 Resp: 554035
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.4 33.6





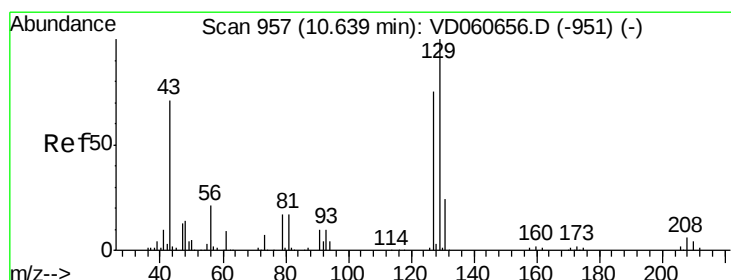
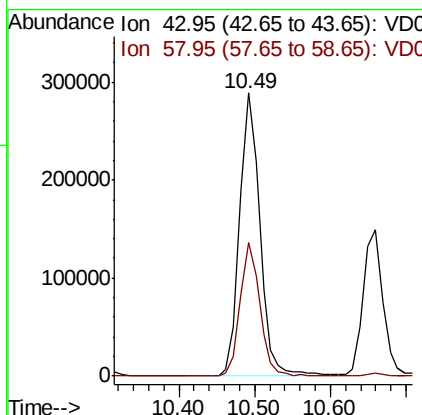
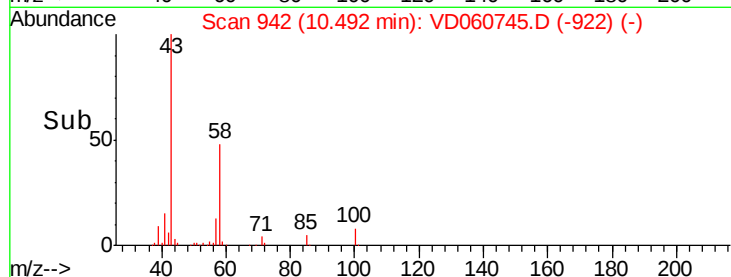
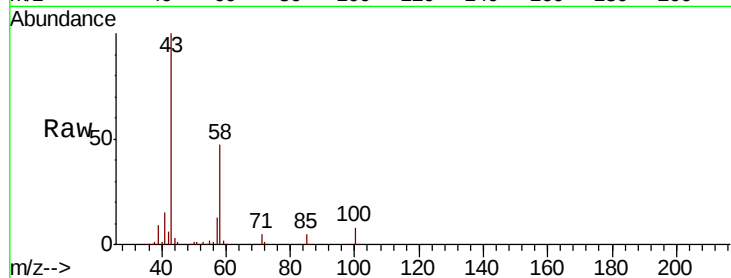
#59
2-Hexanone
Concen: 111.586 ug/l
RT: 10.49 min Scan# 942
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	23.5	70.5

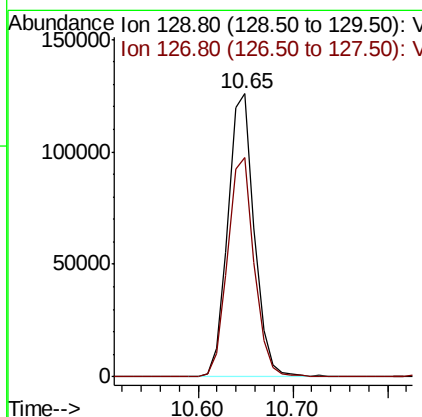
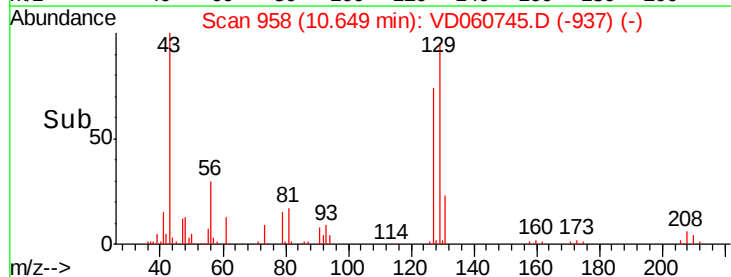
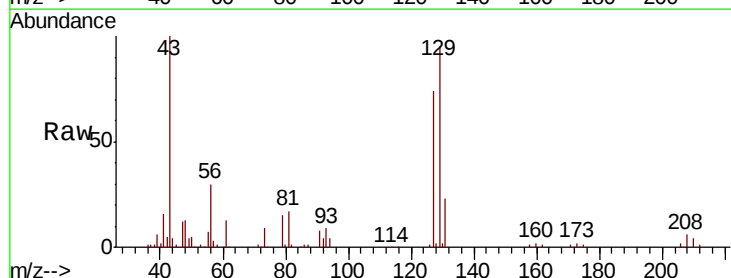
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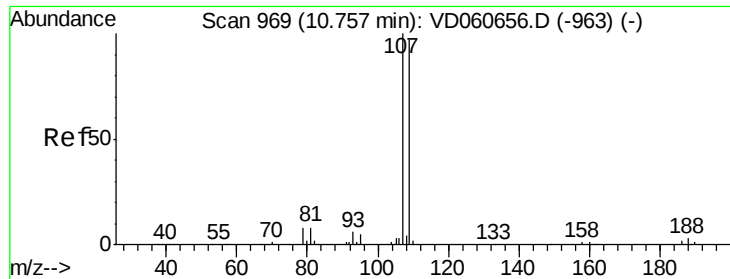
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#60
Dibromochloromethane
Concen: 21.004 ug/l
RT: 10.65 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	37.6	112.9





#61

1,2-Dibromoethane

Concen: 20.416 ug/l

RT: 10.77 min Scan# 970

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 107 Resp: 192581

Ion Ratio Lower Upper

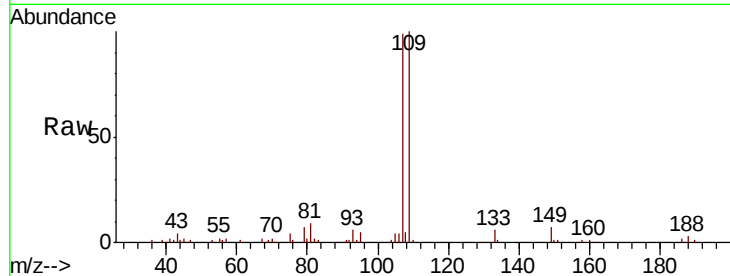
107 100

109 100.9 78.0 117.0

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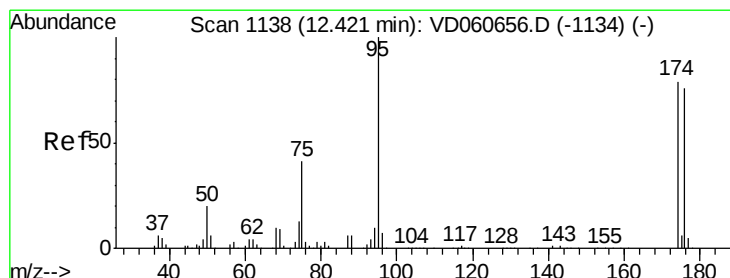
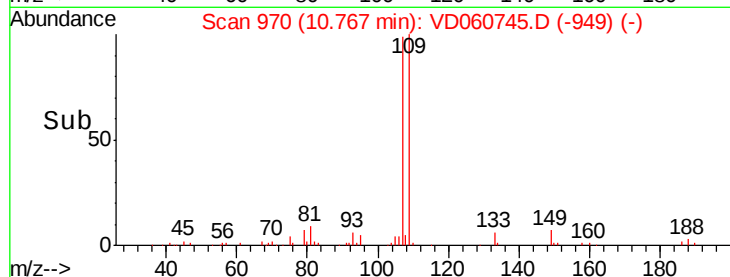
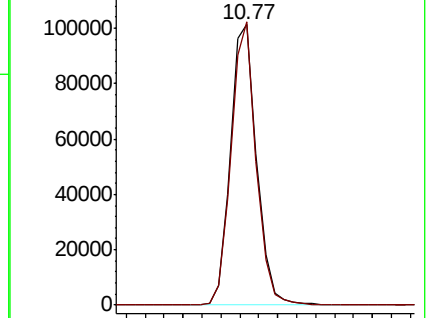
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.416 ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

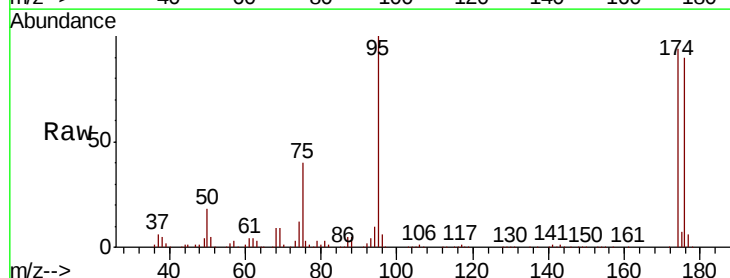
Tgt Ion: 95 Resp: 808539

Ion Ratio Lower Upper

95 100

174 94.0 0.0 158.2

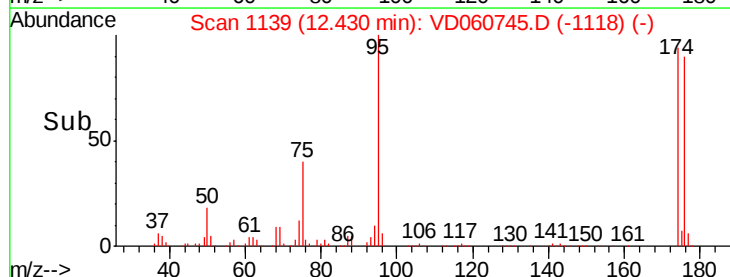
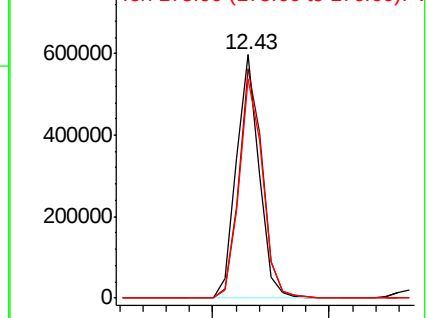
176 90.1 0.0 152.4

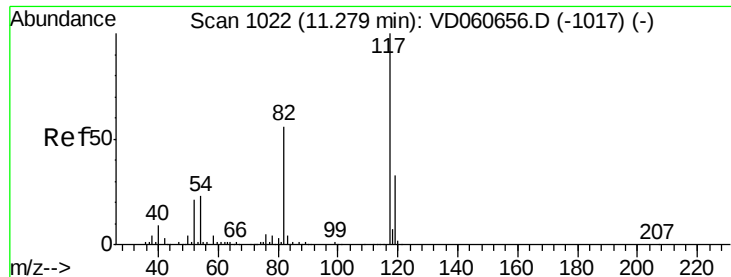


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





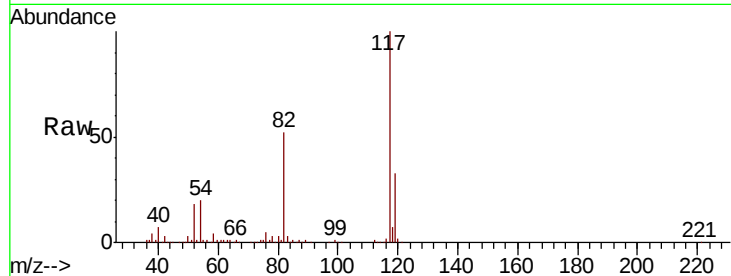
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampled :
VD1228SBS01

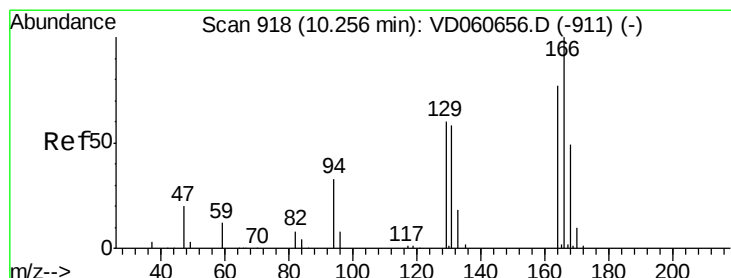
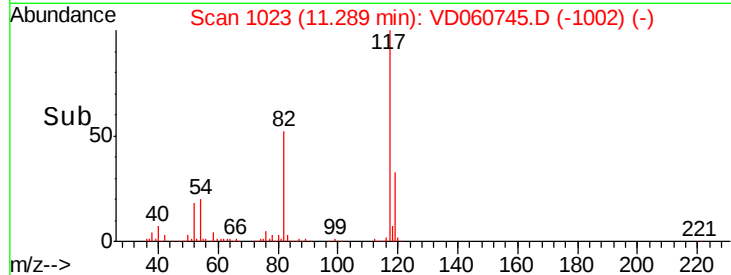
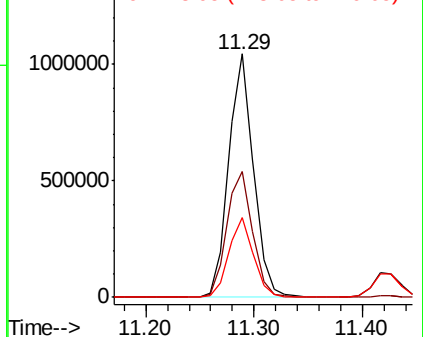
Tot Ion:117 Resp: 1661571
Ion Ratio Lower Upper
117 100
82 51.7 44.5 66.7
119 33.0 26.3 39.5

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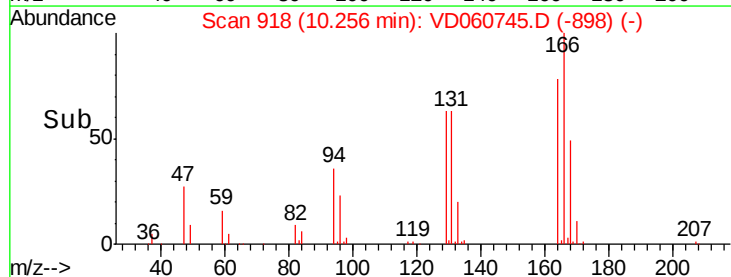
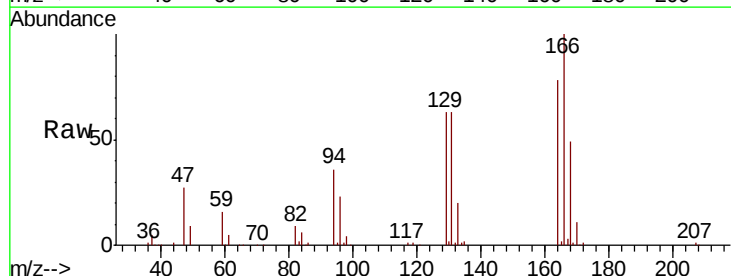
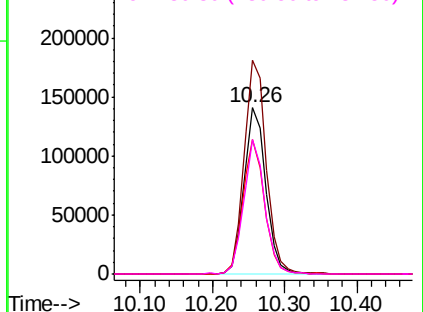
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

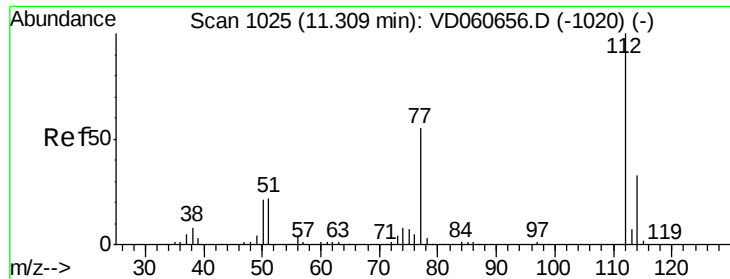


#64
Tetrachloroethene
Concen: 19.951 ug/l
RT: 10.26 min Scan# 918
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion:164 Resp: 300465
Ion Ratio Lower Upper
164 100
166 128.6 104.4 156.6
129 80.8 62.7 94.1
131 80.9 61.1 91.7

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





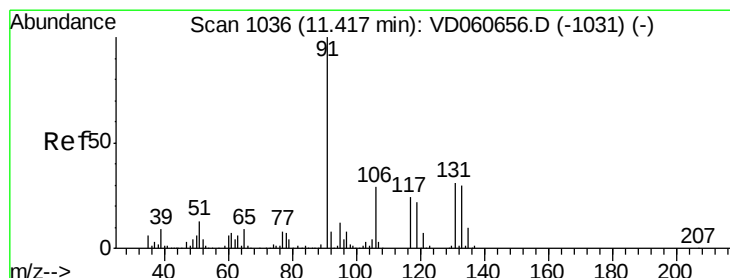
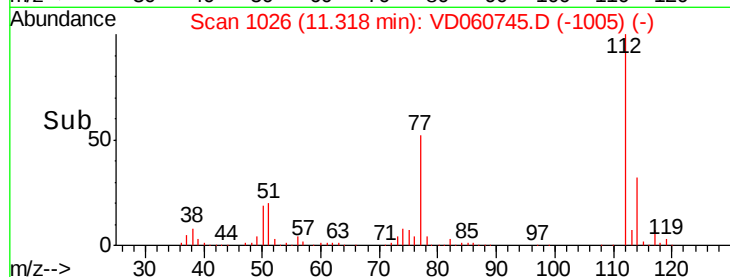
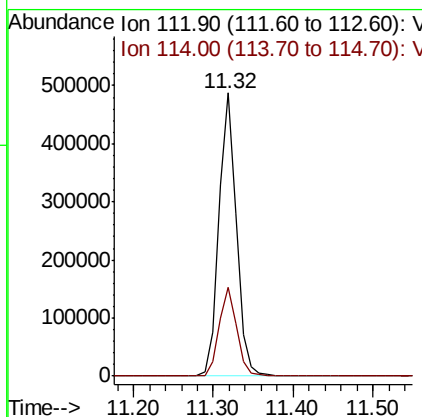
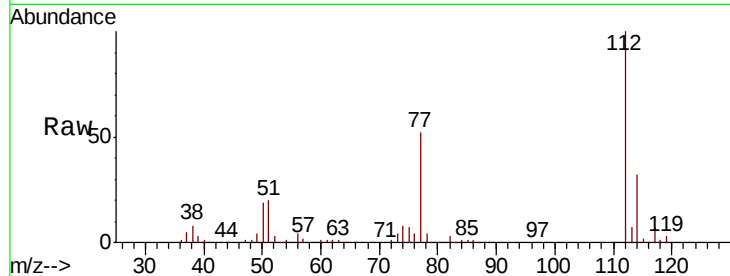
#65
Chlorobenzene
Concen: 20.596 ug/l
RT: 11.32 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion:112 Resp: 756082
Ion Ratio Lower Upper
112 100
114 31.5 26.1 39.1

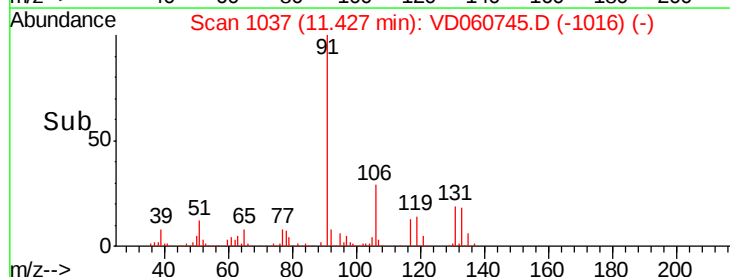
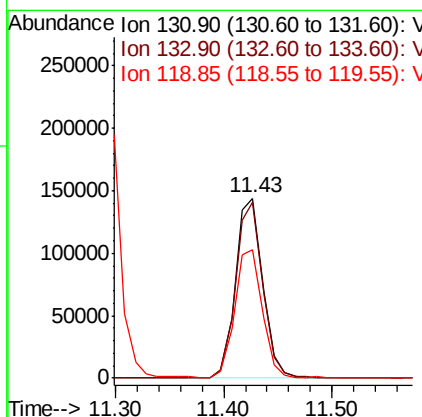
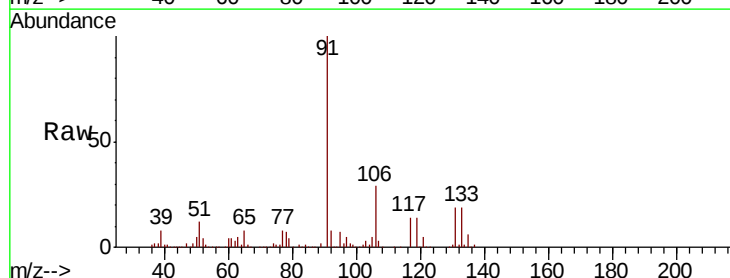
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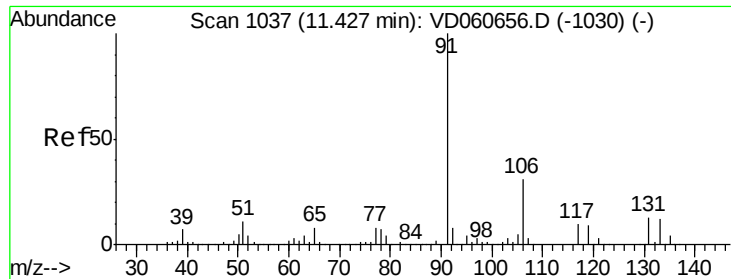
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.364 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion:131 Resp: 252166
Ion Ratio Lower Upper
131 100
133 97.6 49.1 147.3
119 71.8 36.6 109.8





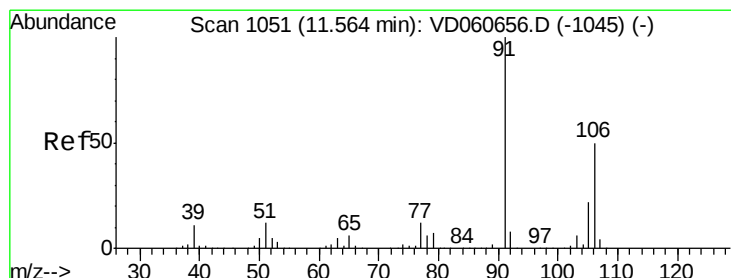
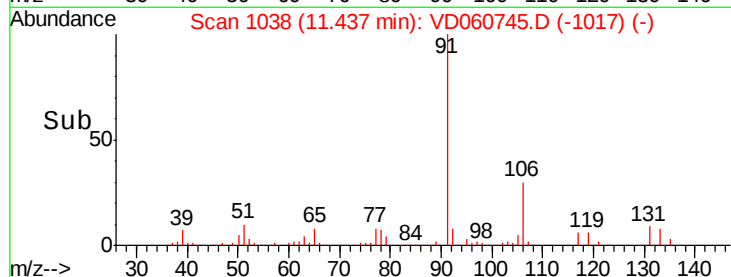
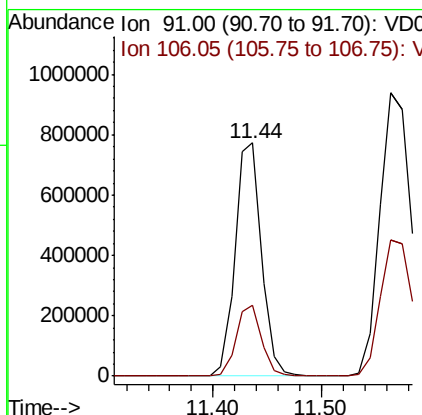
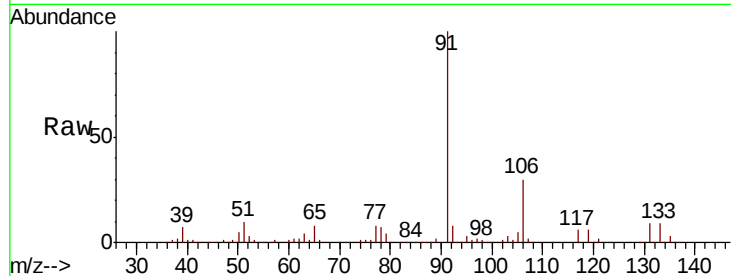
#67
Ethyl Benzene
Concen: 20.787 ug/l
RT: 11.44 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleID :
VD1228SBS01

Tot Ion: 91 Resp: 1306862
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8

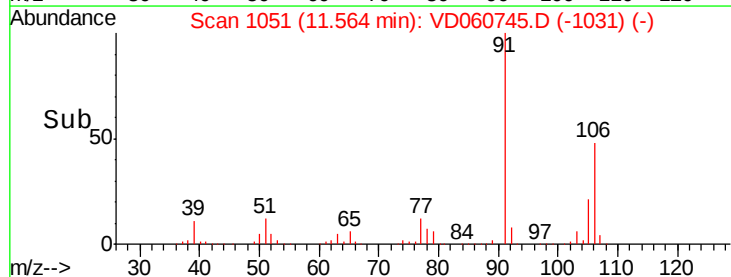
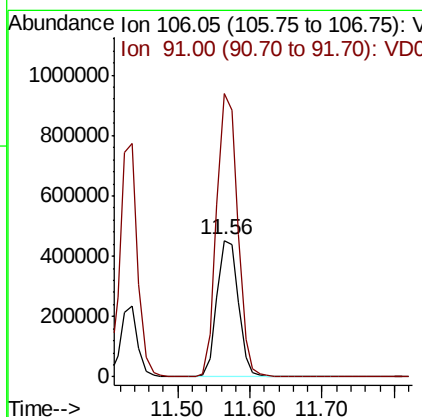
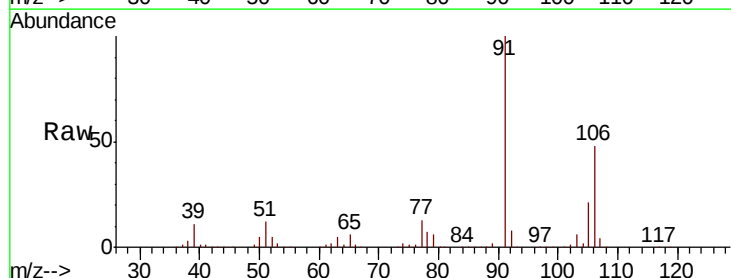
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#68
m/p-Xylenes
Concen: 39.961 ug/l
RT: 11.56 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 106 Resp: 918147
Ion Ratio Lower Upper
106 100
91 207.1 158.9 238.3





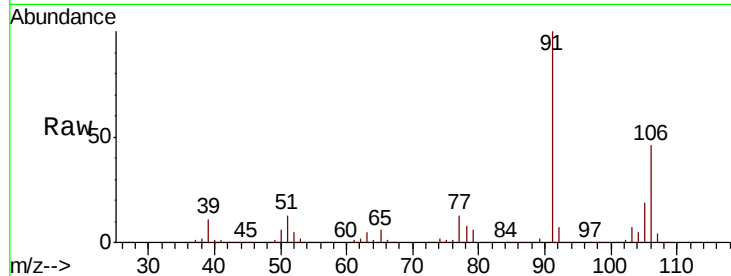
#69
o-Xylene
Concen: 20.376 ug/l
RT: 11.94 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

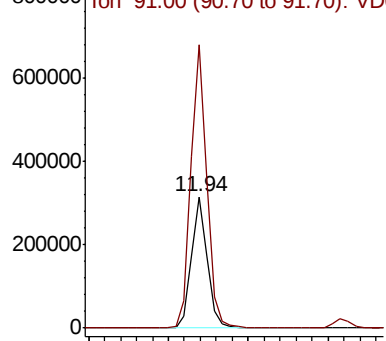
Tot Ion:106 Resp: 444157
Ion Ratio Lower Upper
106 100
91 216.0 101.5 304.5

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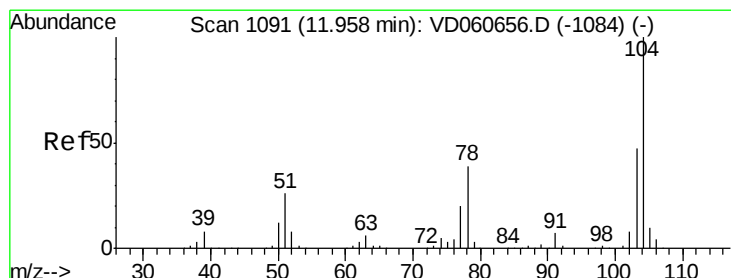
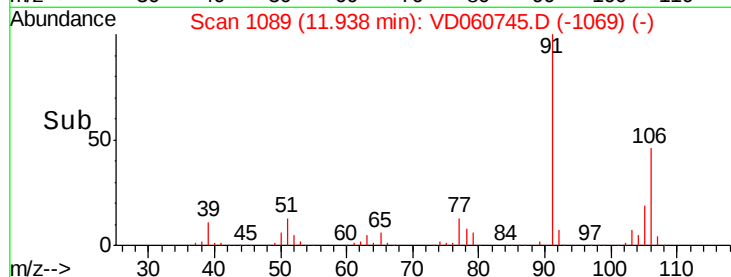
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

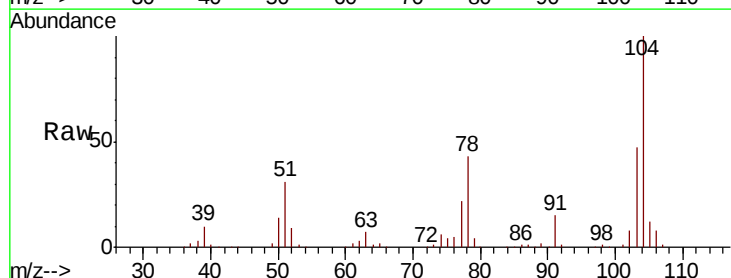


Time--> 11.80 11.90 12.00 12.10

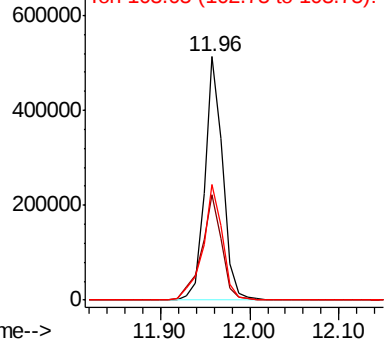


#70
Styrene
Concen: 20.656 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

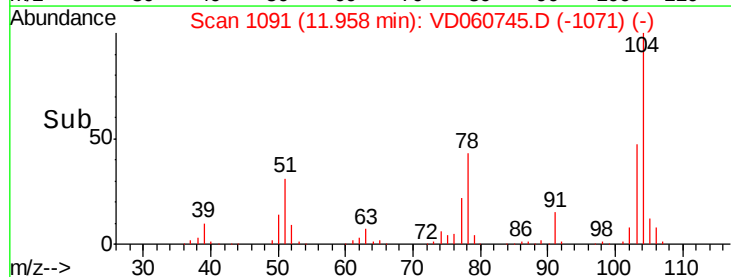
Tgt Ion:104 Resp: 725187
Ion Ratio Lower Upper
104 100
78 43.3 31.4 47.2
103 47.3 37.5 56.3

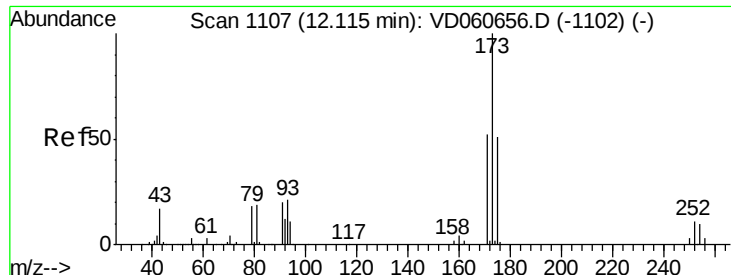


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.90 12.00 12.10





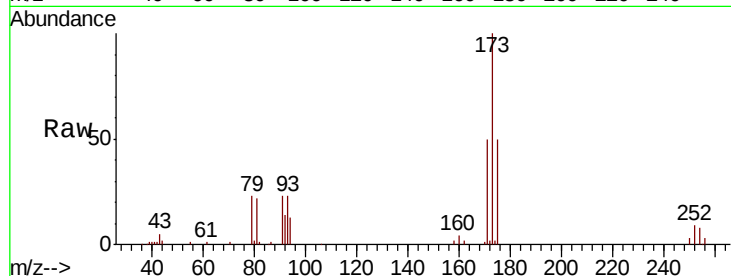
#71
Bromoform
Concen: 20.522 ug/l
RT: 12.12 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

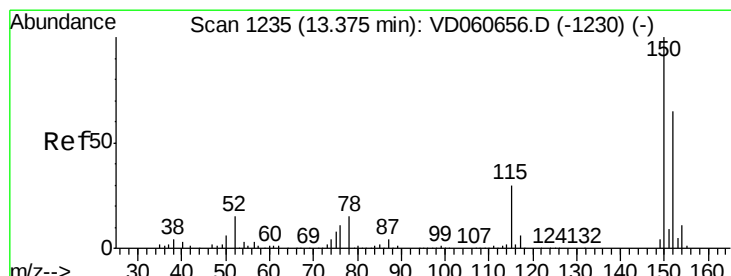
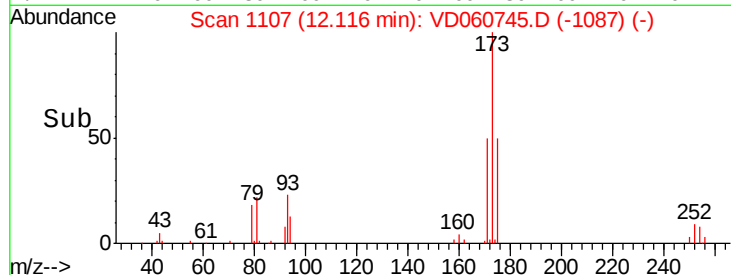
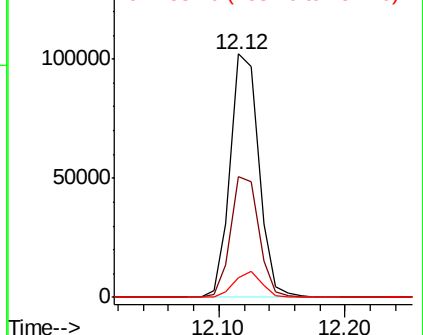
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	25.5	76.5
254	8.3	7.9	11.9

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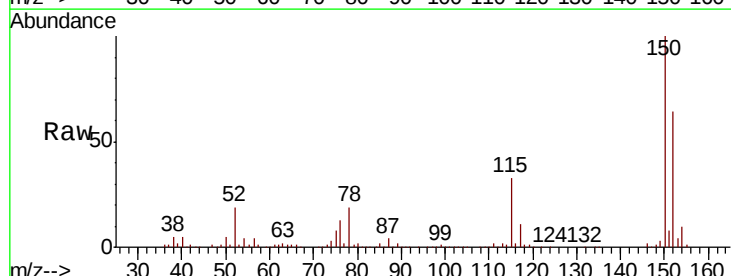


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

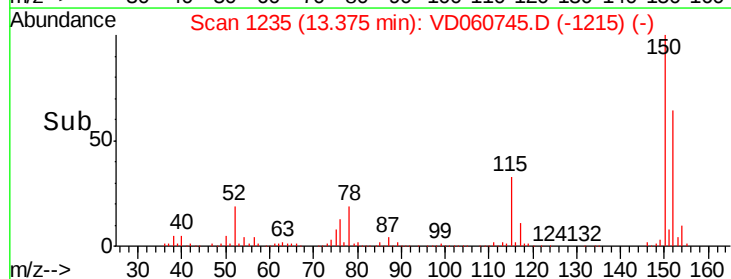
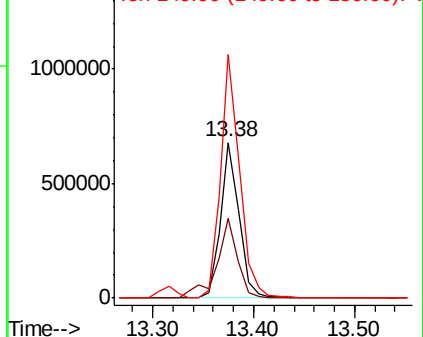


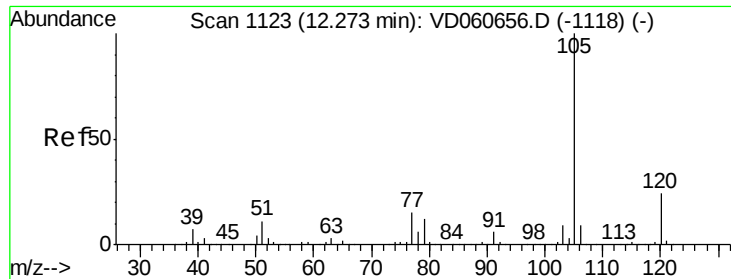
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.4	24.1	72.3
150	156.7	0.0	315.0



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





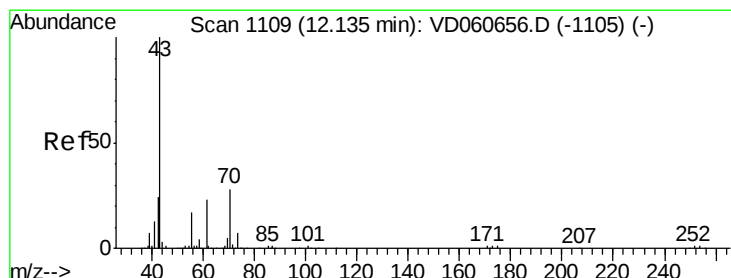
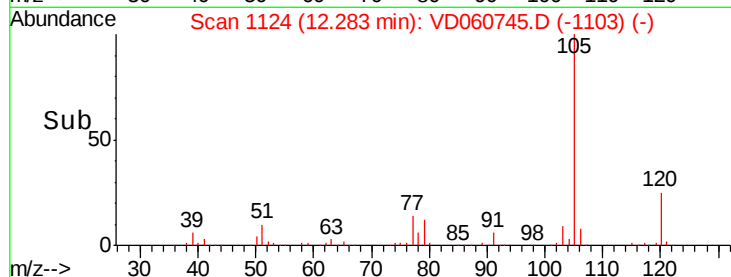
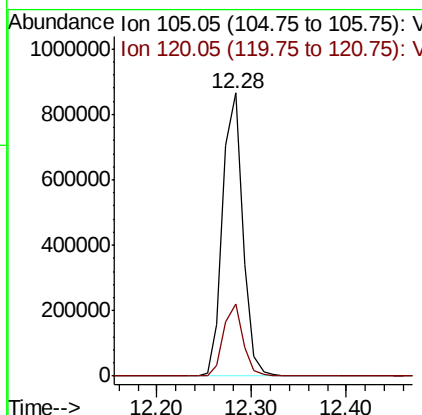
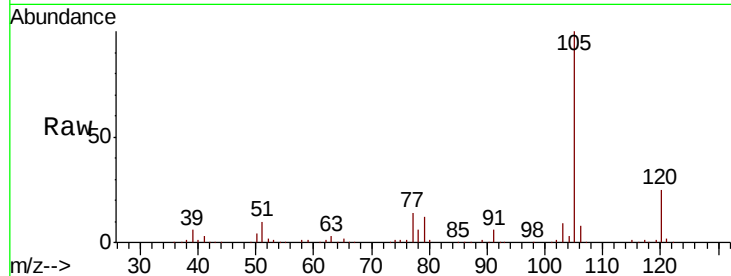
#73
Isopropylbenzene
Concen: 20.543 ug/l
RT: 12.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion:105 Resp: 1278678
Ion Ratio Lower Upper
105 100
120 25.4 12.2 36.4

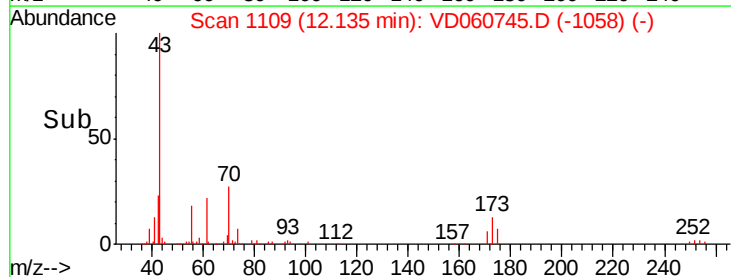
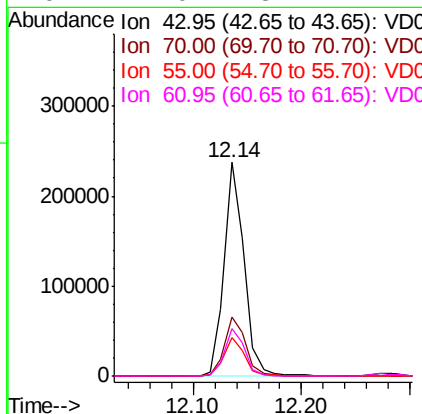
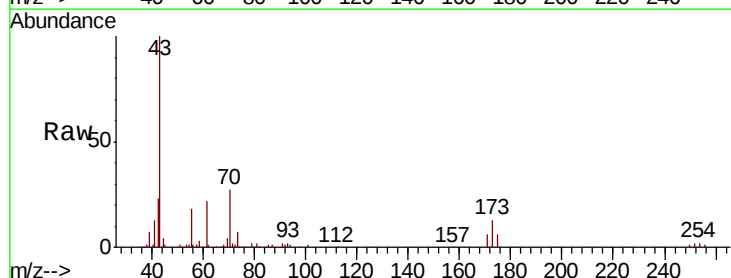
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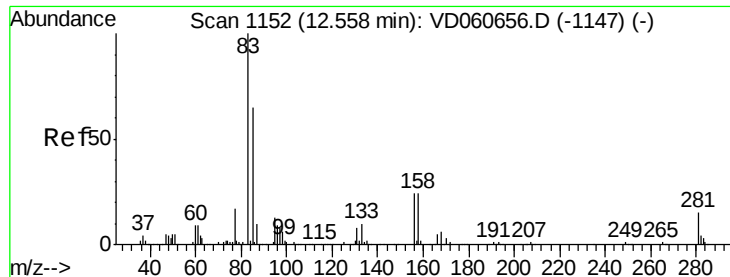
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#74
N-ethyl acetate
Concen: 20.792 ug/l
RT: 12.14 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 43 Resp: 305440
Ion Ratio Lower Upper
43 100
70 27.4 22.2 33.2
55 17.8 13.8 20.8
61 22.0 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.177 ug/l

RT: 12.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion: 83 Resp: 213658

Ion Ratio Lower Upper

83 100

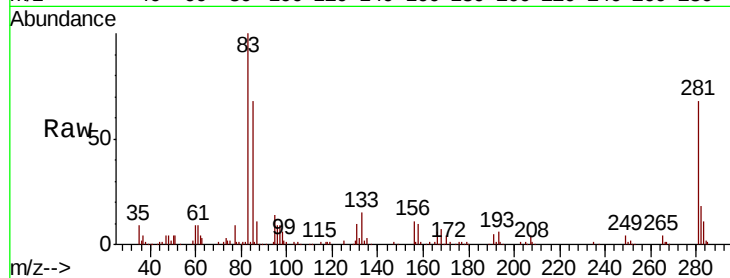
131 9.9 4.2 12.4

85 67.7 32.6 97.7

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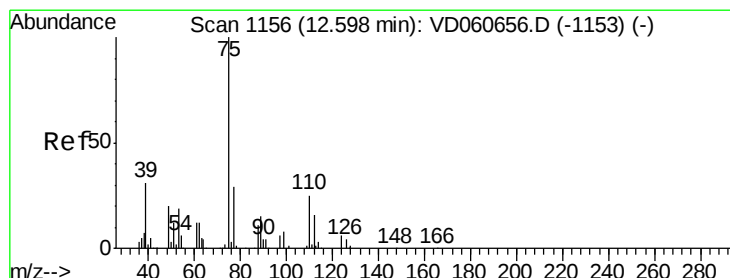
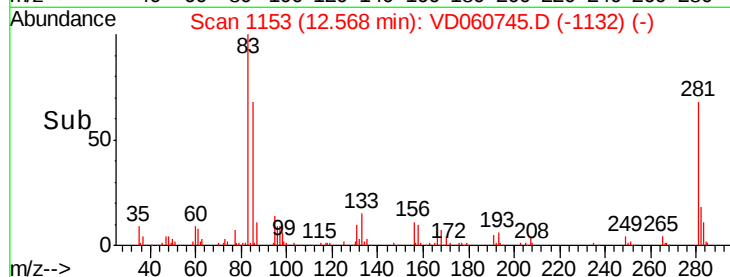
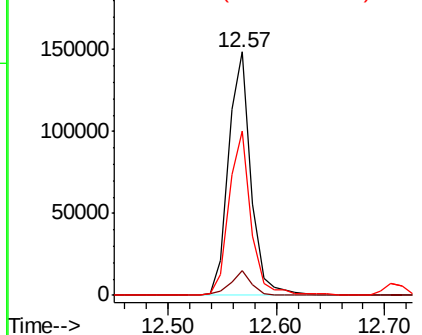
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.684 ug/l

RT: 12.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD060745.D

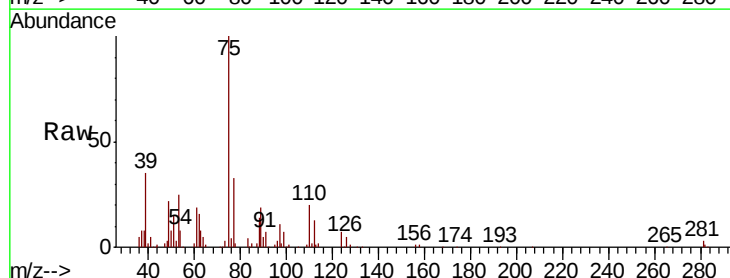
Acq: 28 Dec 2018 14:31

Tgt Ion: 75 Resp: 205867

Ion Ratio Lower Upper

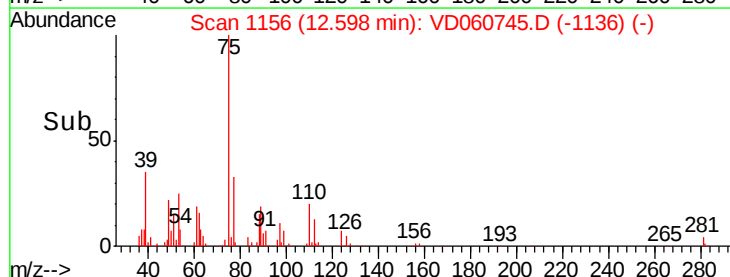
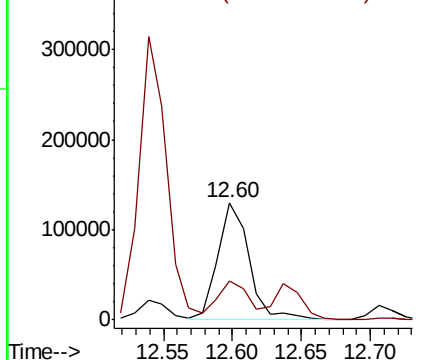
75 100

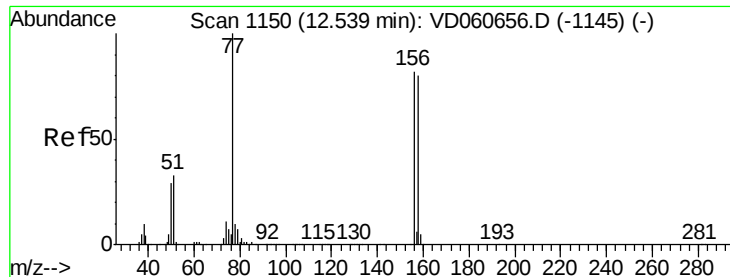
77 32.9 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





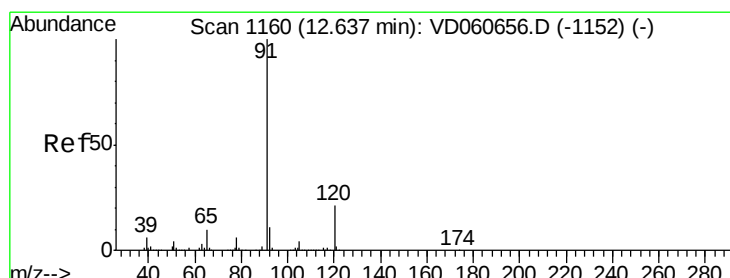
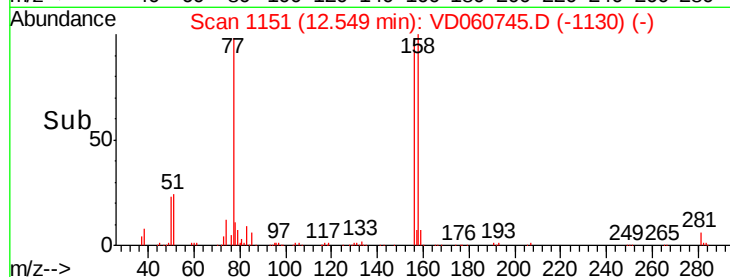
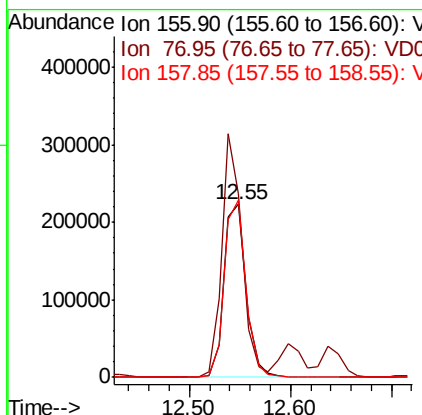
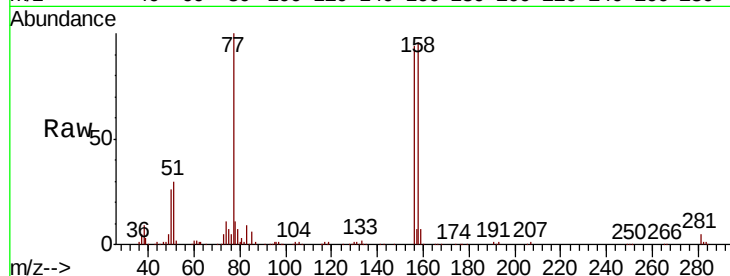
#77
Bromobenzene
Concen: 20.813 ug/l
RT: 12.55 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	106.3	61.3	183.9	
158	102.4	48.9	146.6	

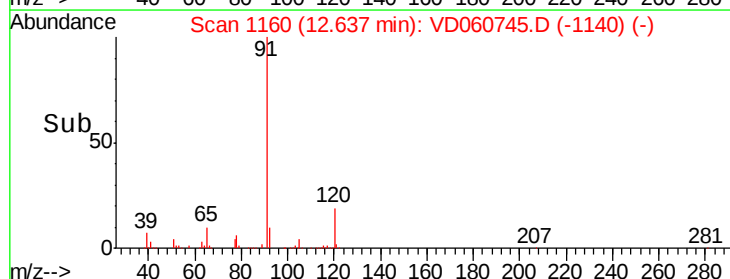
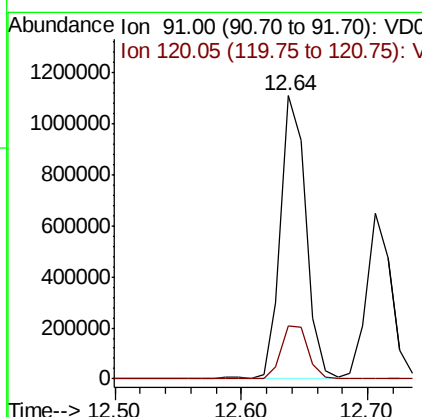
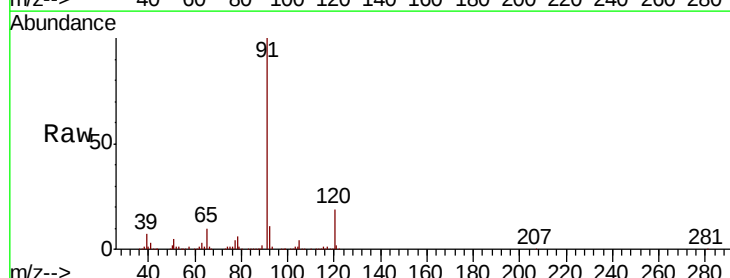
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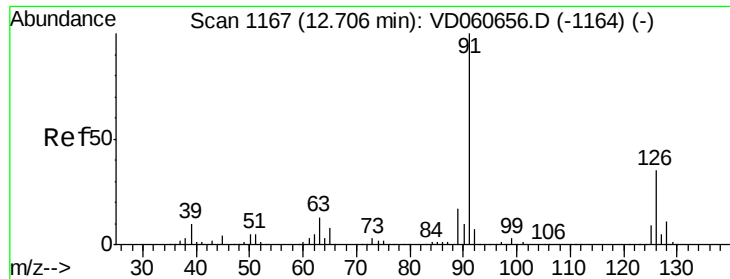
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#78
n-propylbenzene
Concen: 19.712 ug/l
RT: 12.64 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	18.5	10.4	31.2	





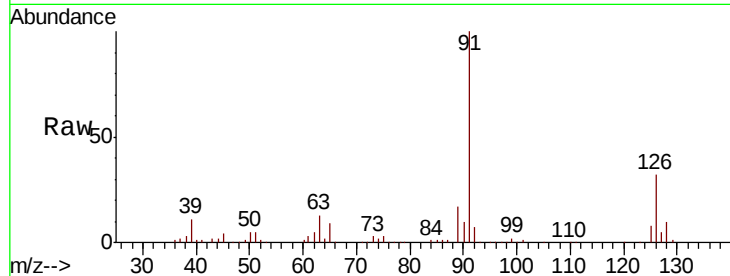
#79
 2-Chlorotoluene
 Concen: 20.593 ug/l
 RT: 12.71 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

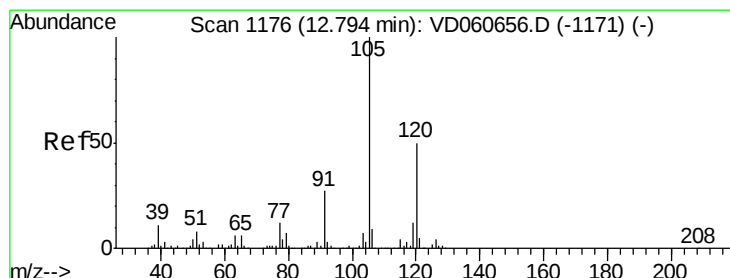
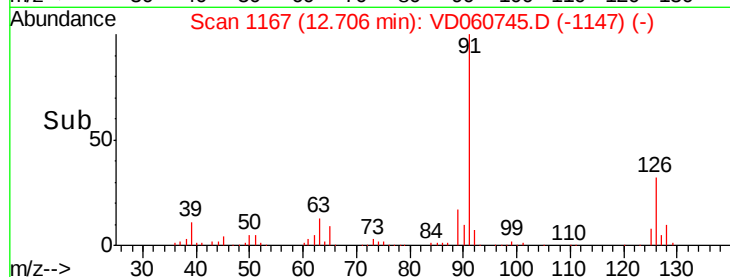
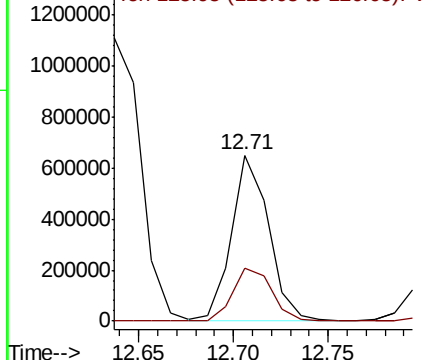
Tot Ion: 91 Resp: 877677
 Ion Ratio Lower Upper
 91 100
 126 31.6 17.2 51.5

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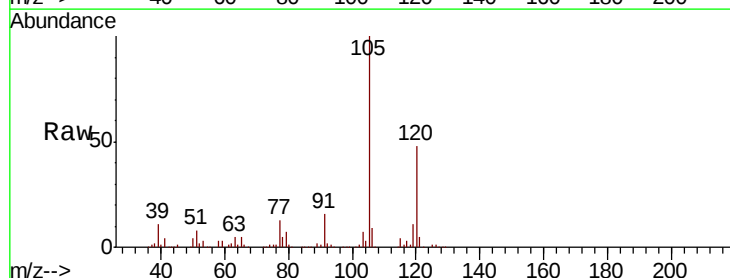


Abundance Ion 91.00 (90.70 to 91.70): VD060656.D (-1164) (-)
 Ion 125.95 (125.65 to 126.65): VD060656.D (-1164) (-)

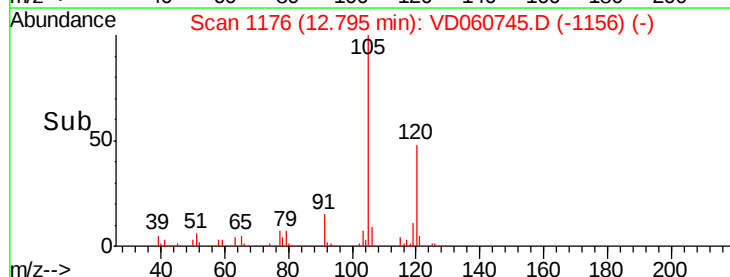
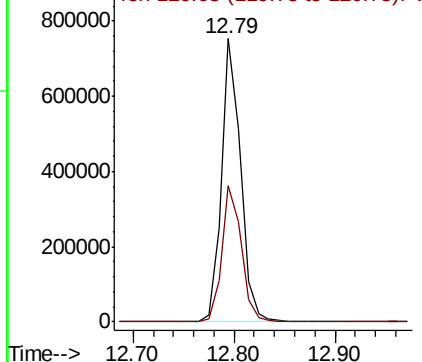


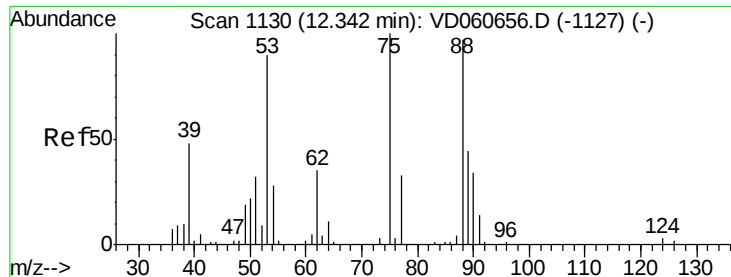
#80
 1,3,5-Trimethylbenzene
 Concen: 20.564 ug/l
 RT: 12.79 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 105 Resp: 988384
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060656.D (-1171) (-)
 Ion 120.05 (119.75 to 120.75): VD060656.D (-1171) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.673 ug/l

RT: 12.34 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

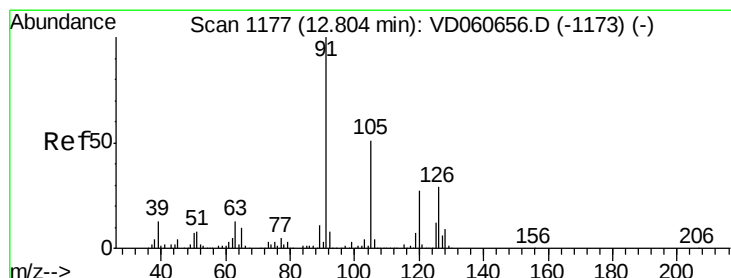
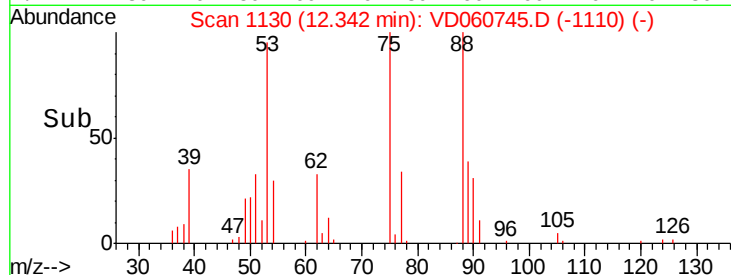
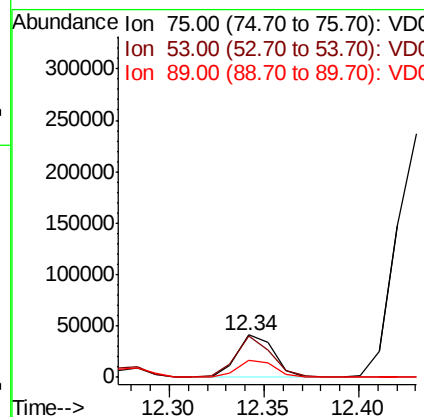
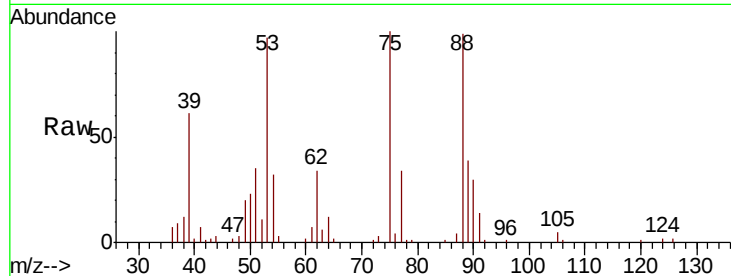
ClientSampleId :

VD1228SBS01

Tot Ion:	75	Resp:	56855
Ion	Ratio	Lower	Upper
75	100		
53	97.5	72.1	108.1
89	39.1	35.1	52.7

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#82

4-Chlorotoluene

Concen: 20.963 ug/l

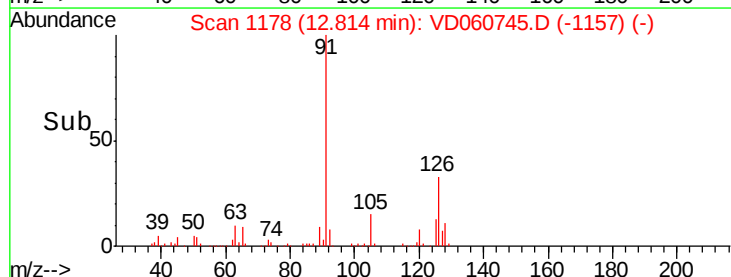
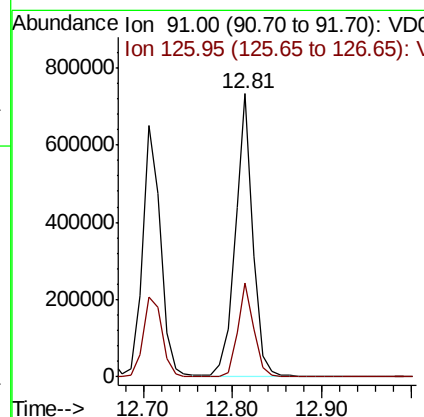
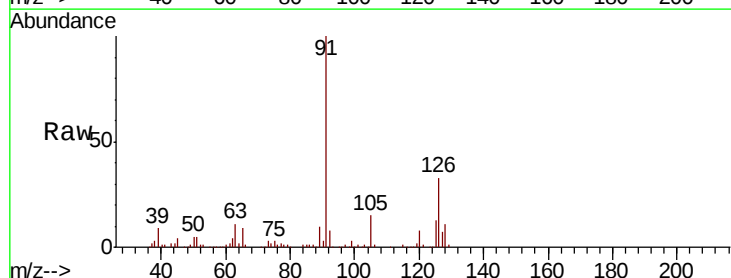
RT: 12.81 min Scan# 1178

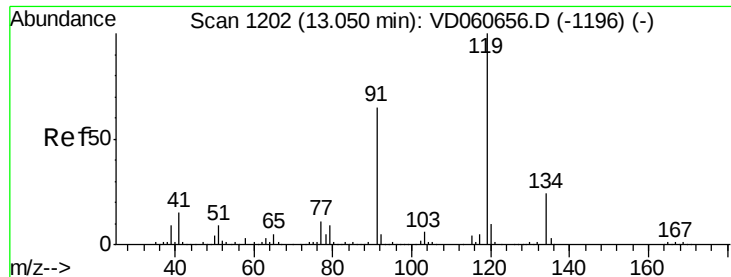
Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Tgt Ion:	91	Resp:	1012686
Ion	Ratio	Lower	Upper
91	100		
126	33.0	14.6	43.8





#83

tert-Butylbenzene

Concen: 20.569 ug/l

RT: 13.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion:119 Resp: 1125100

Ion Ratio Lower Upper

119 100

91 68.6 32.5 97.4

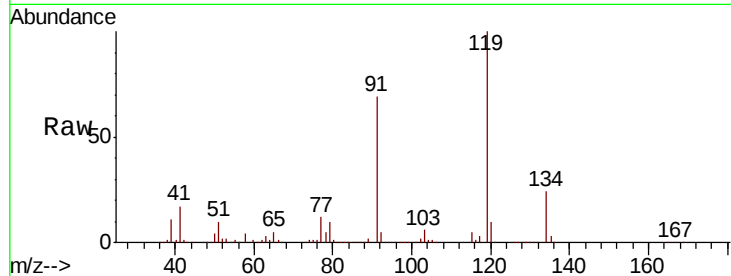
134 24.1 11.9 35.9

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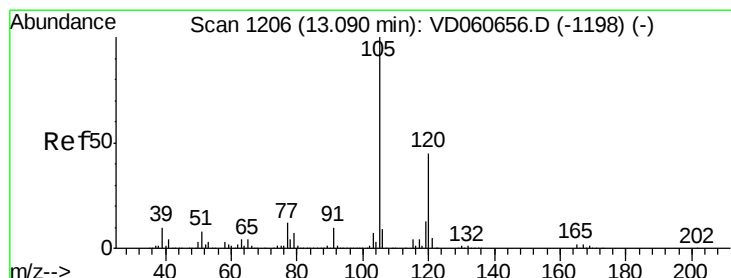
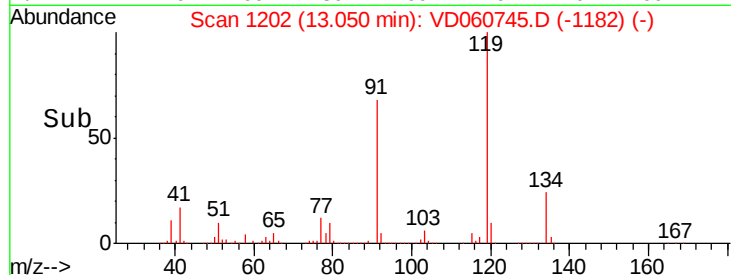
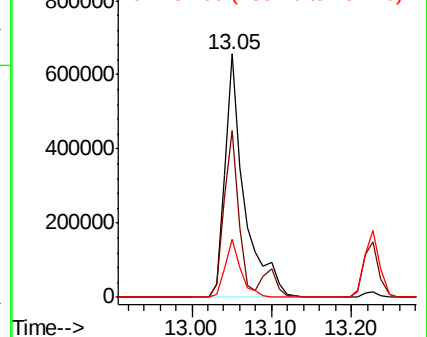
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.428 ug/l

RT: 13.10 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VD060745.D

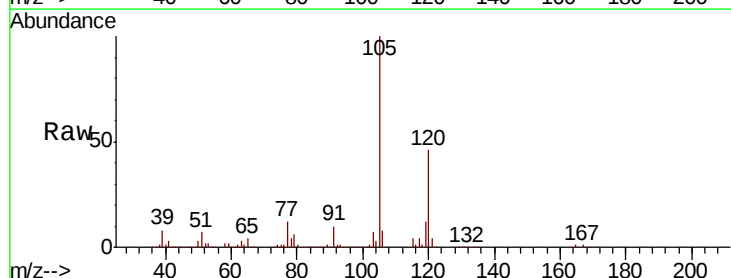
Acq: 28 Dec 2018 14:31

Tgt Ion:105 Resp: 1011222

Ion Ratio Lower Upper

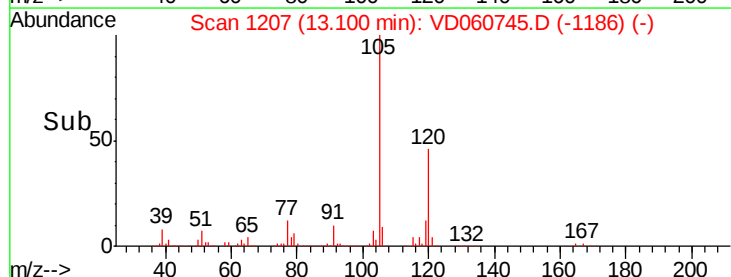
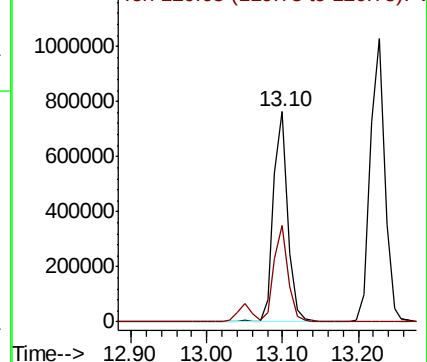
105 100

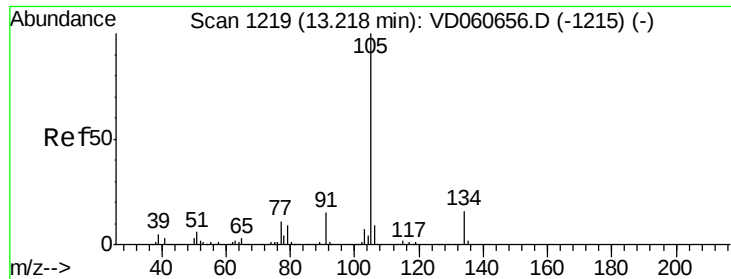
120 46.2 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.118 ug/l

RT: 13.23 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

Tot Ion:105 Resp: 1342033

Ion Ratio Lower Upper

105 100

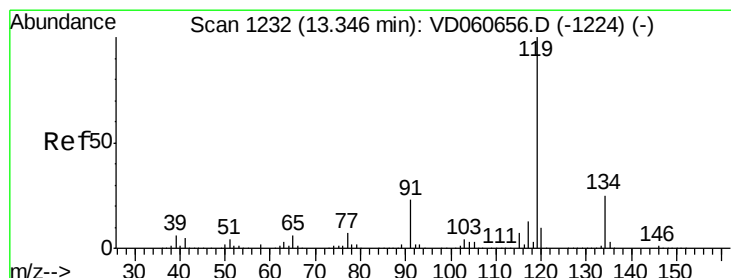
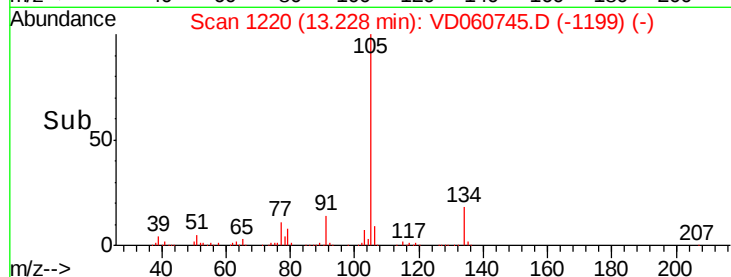
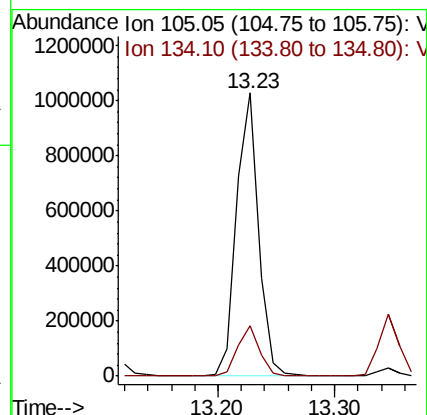
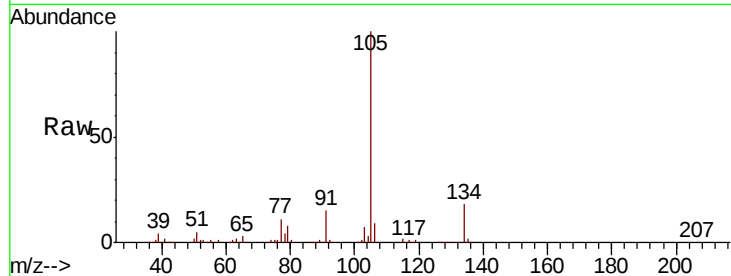
134 17.6 8.2 24.4

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#86

p-Isopropyltoluene

Concen: 20.596 ug/l

RT: 13.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

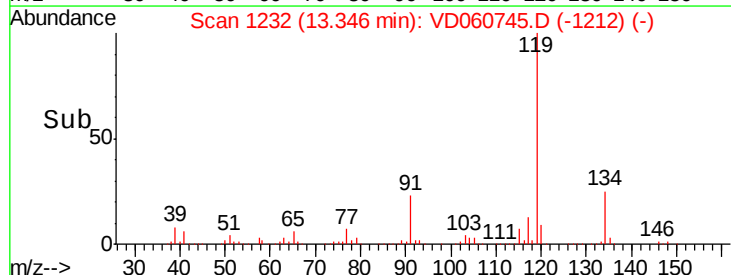
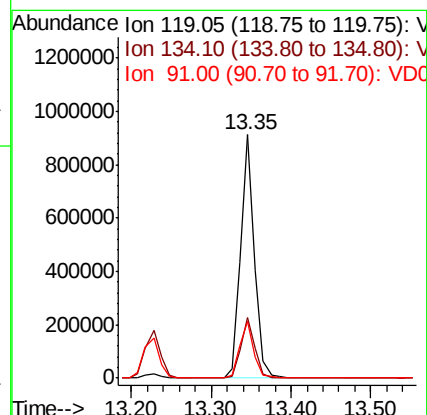
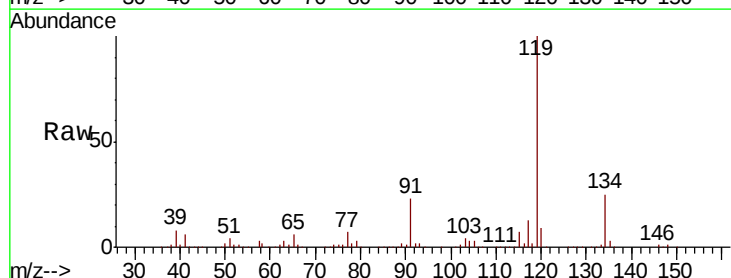
Tgt Ion:119 Resp: 1109022

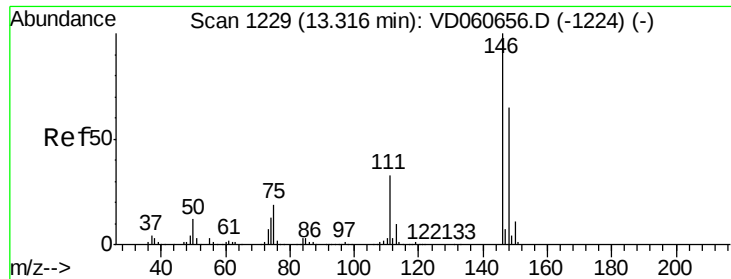
Ion Ratio Lower Upper

119 100

134 24.7 12.5 37.5

91 23.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.932 ug/l

RT: 13.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

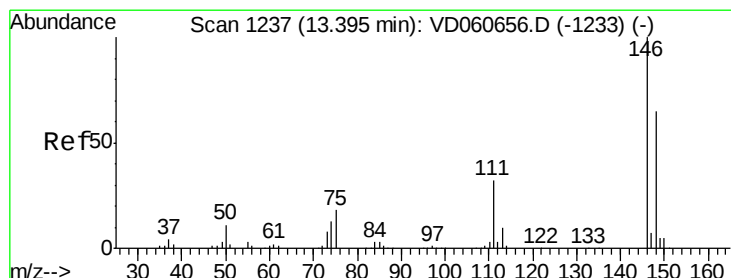
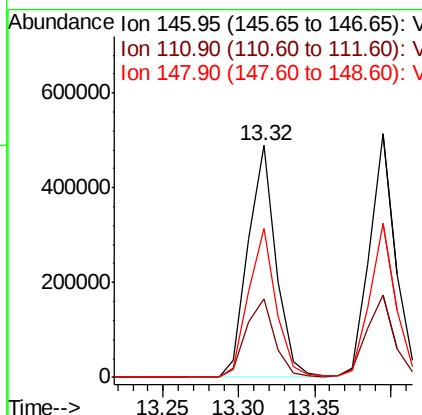
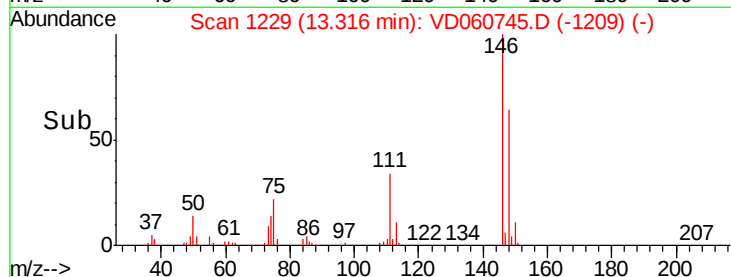
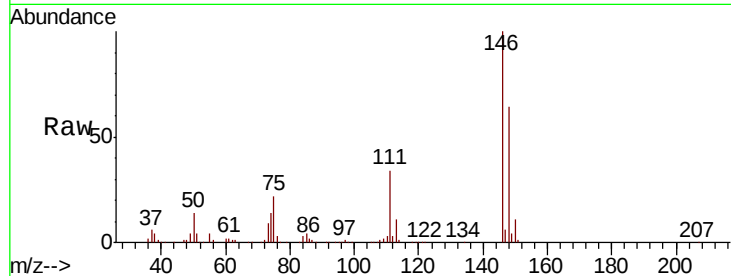
ClientSampleId :

VD1228SBS01

Tot Ion:	146	Resp:	631460
Ion Ratio	Lower	Upper	
146	100		
111	34.0	16.6	49.8
148	64.1	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 20.823 ug/l

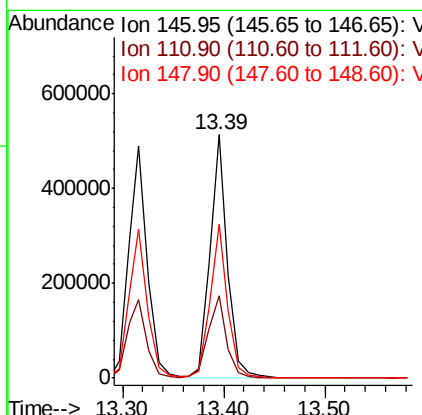
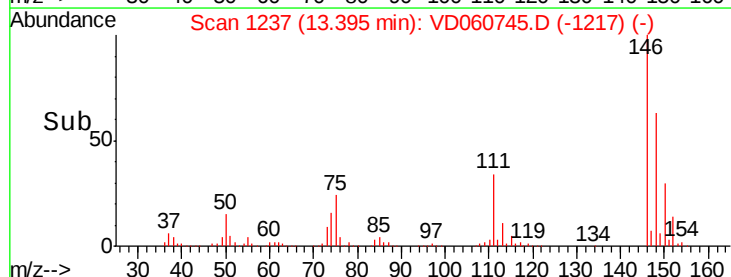
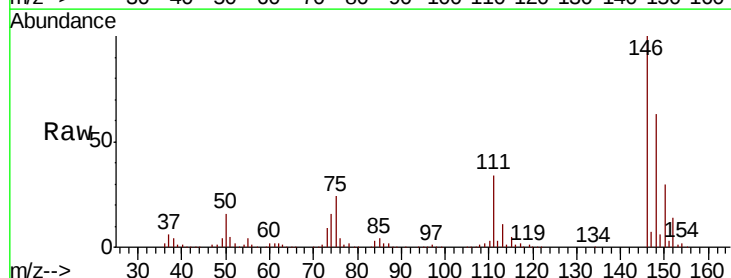
RT: 13.39 min Scan# 1237

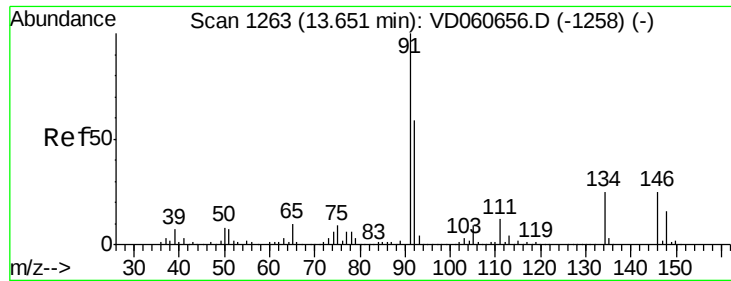
Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Tgt Ion:	146	Resp:	618995
Ion Ratio	Lower	Upper	
146	100		
111	33.8	16.2	48.5
148	63.1	32.7	98.1





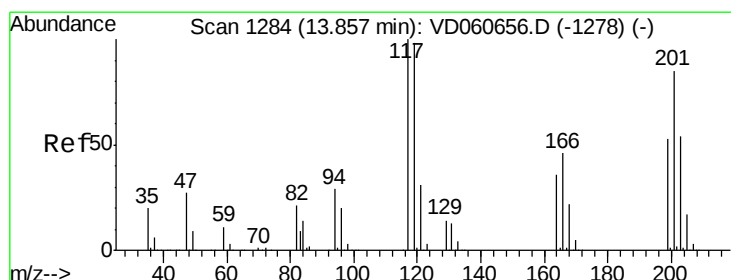
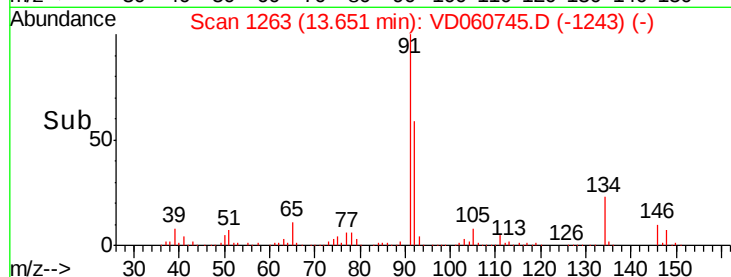
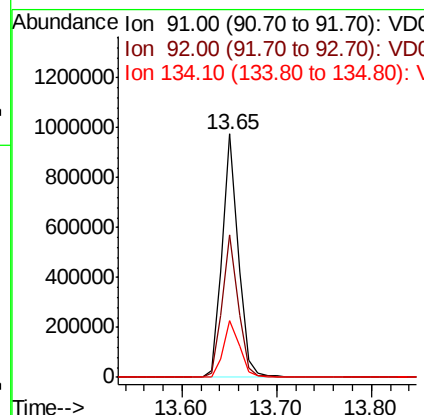
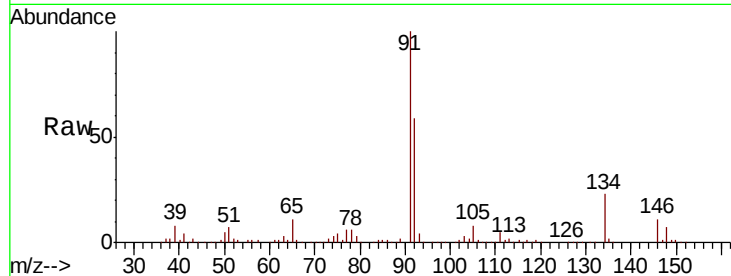
#89
n-Butylbenzene
Concen: 20.961 ug/l
RT: 13.65 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tot Ion: 91 Resp: 1153433
Ion Ratio Lower Upper
91 100
92 58.7 29.7 89.1
134 23.2 12.7 38.1

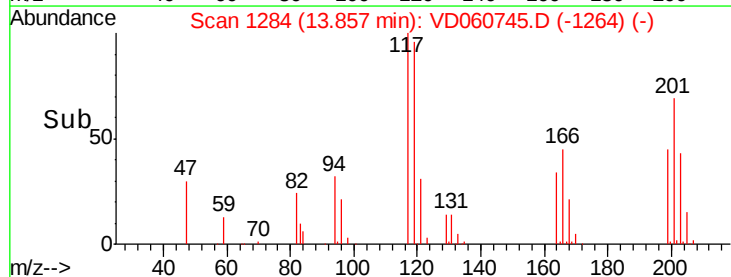
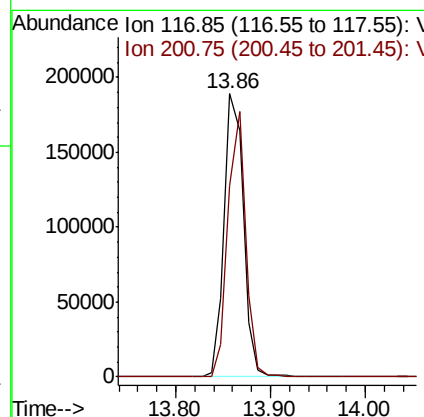
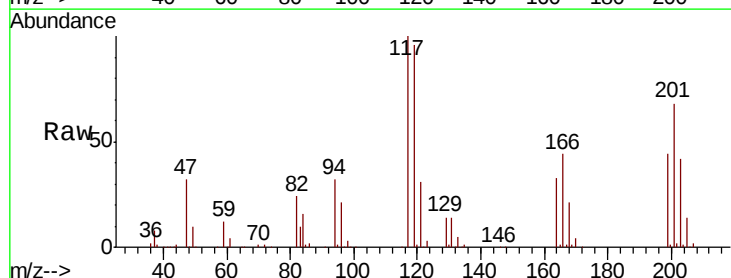
Manual Integrations
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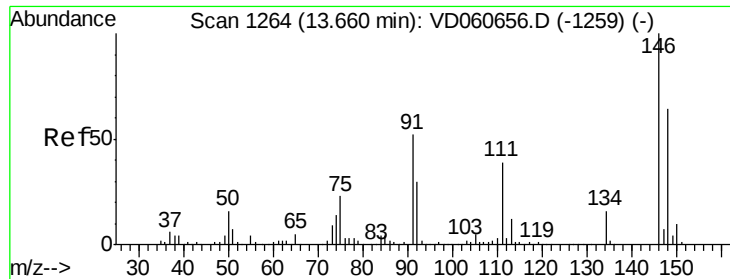
apatel
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#90
Hexachloroethane
Concen: 20.289 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 117 Resp: 268393
Ion Ratio Lower Upper
117 100
201 67.8 42.6 127.8





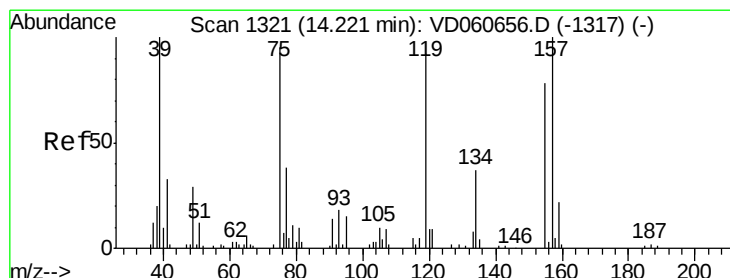
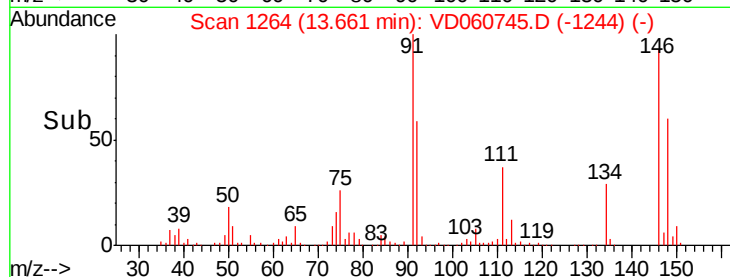
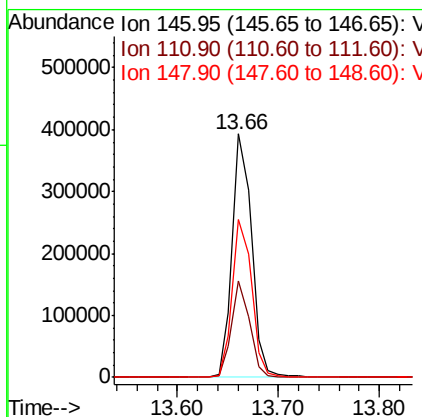
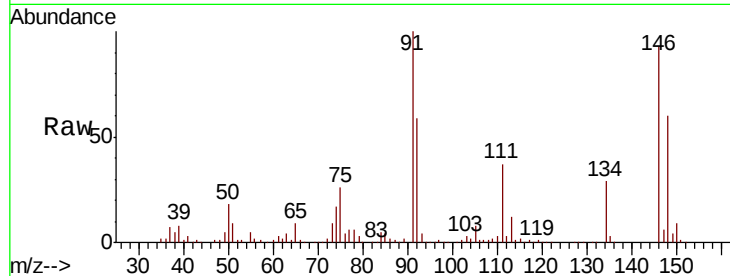
#91
 1,2-Dichlorobenzene
 Concen: 21.662 ug/l
 RT: 13.66 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.6	31.9	95.9

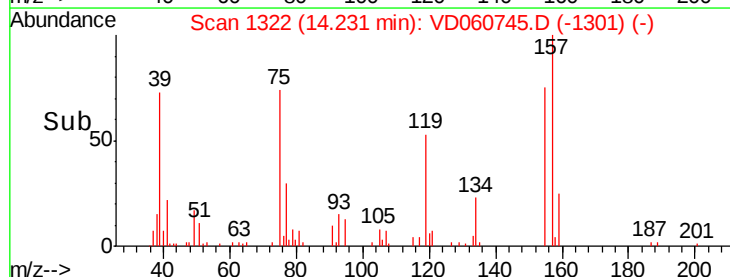
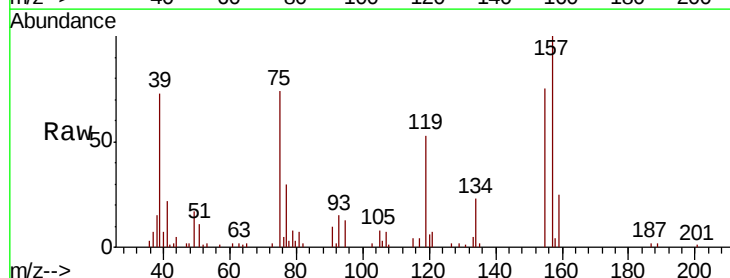
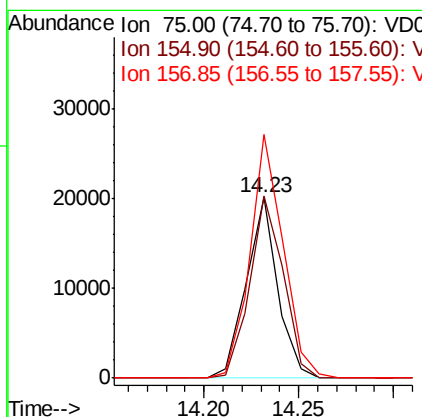
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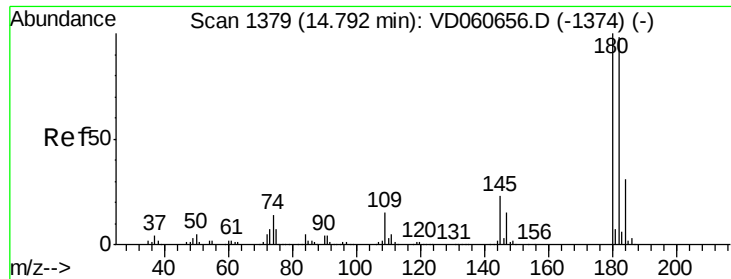
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.478 ug/l
 RT: 14.23 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	41.1	123.4
157	134.9	52.5	157.6





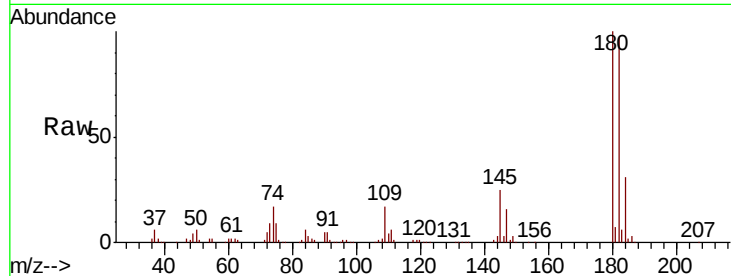
#93
 1,2,4-Trichlorobenzene
 Concen: 20.868 ug/l
 RT: 14.79 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

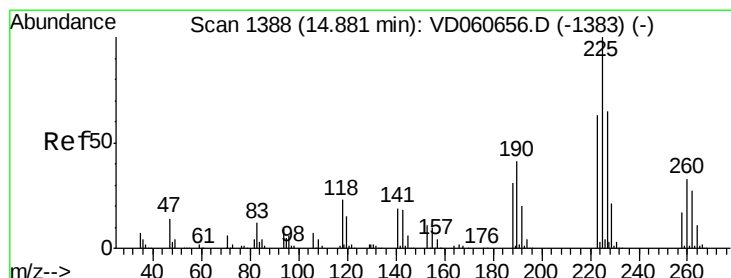
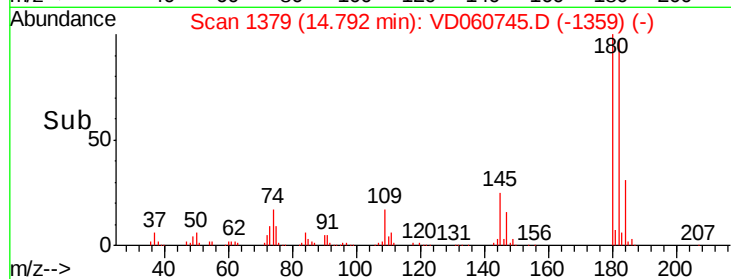
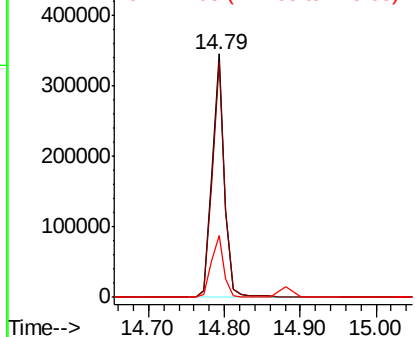
Tot Ion	Ratio	Resp	Lower	Upper
180	100	401828		
182	96.7	48.8	146.4	
145	25.5	11.8	35.3	

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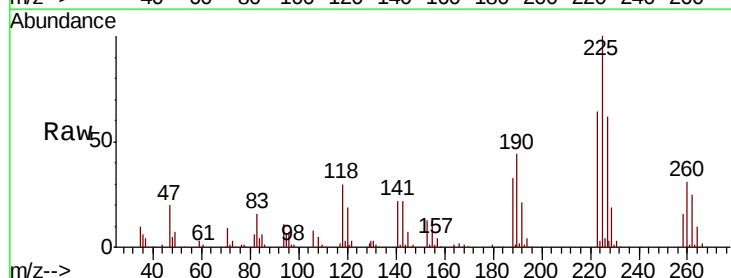


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

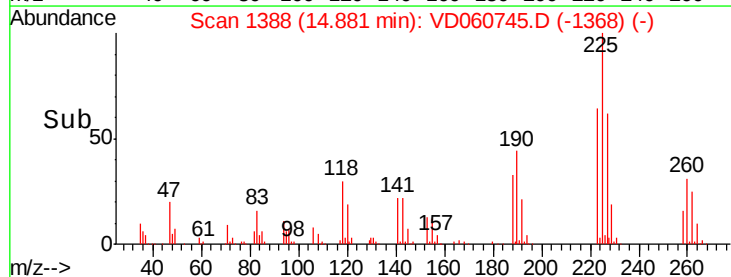
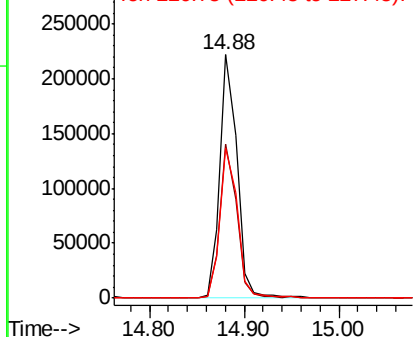


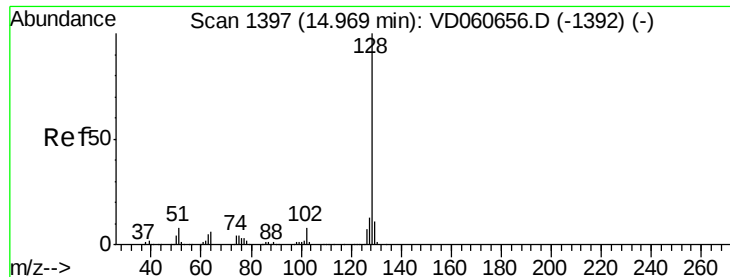
#94
 Hexachlorobutadiene
 Concen: 19.774 ug/l
 RT: 14.88 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	281443		
223	63.5	31.3	93.8	
227	61.9	32.5	97.4	



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





#95

Naphthalene

Concen: 20.410 ug/l

RT: 14.97 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

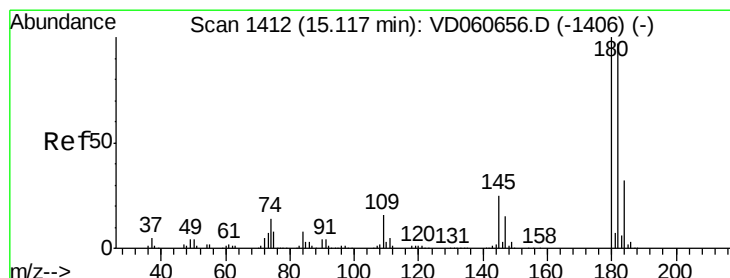
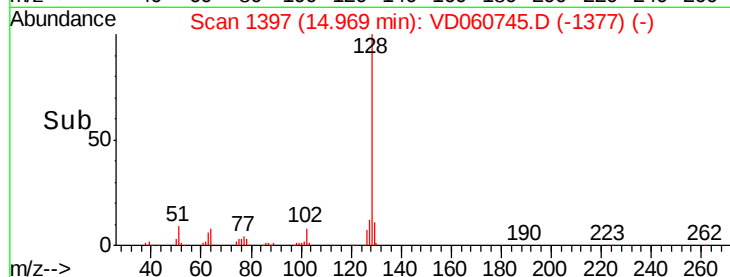
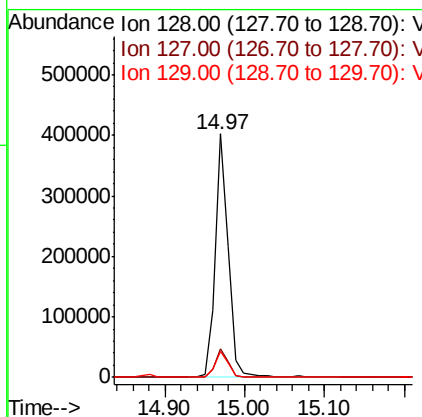
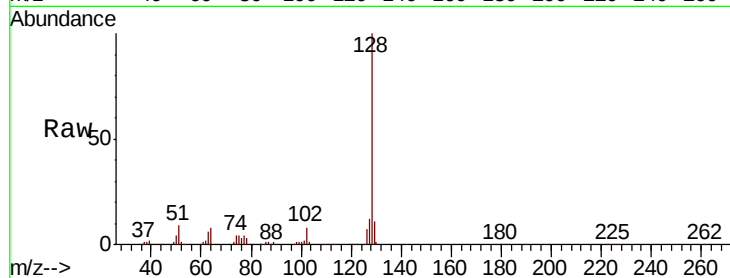
ClientSampleId :

VD1228SBS01

Tot Ion:	128	Resp:	467093
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.1	15.1
129	10.7	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 20.891 ug/l

RT: 15.12 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Tgt Ion:	180	Resp:	314465
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.6	145.9
145	26.2	12.6	37.8

