

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060722.D
 Acq On : 27 Dec 2018 13:15
 Operator : VA/AP
 Sample : VD1227SBS01
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Manual Integrations
 APPROVED

apatel
 12/28/2018 9:47:05 AM

Quant Time: Dec 28 08:24:24 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	6.37	168	1451912	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1972644	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.25	117	1550634	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.35	152	811039	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	510689	50.90	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	6.28	113	792268	54.87	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	9.42	98	2279503	52.91	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.41	95	791727	52.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	338160	18.228	ug/l	97
3) Chloromethane	1.76	50	316709	18.550	ug/l	99
4) Vinyl Chloride	1.85	62	248512	18.333	ug/l	98
5) Bromomethane	2.14	94	39658	13.061	ug/l	92
6) Chloroethane	2.25	64	73506	18.170	ug/l	98
7) Trichlorofluoromethane	2.50	101	287348	19.058	ug/l	99
8) Diethyl Ether	2.81	74	47561	18.854	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.07	101	193866	19.823	ug/l	98
10) Methyl Iodide	3.22	142	184455	17.946	ug/l	98
11) Tert butyl alcohol	3.94	59	36596	87.272	ug/l	96
12) 1,1-Dichloroethene	3.06	96	159476	19.845	ug/l	97
13) Acrolein	2.97	56	33856	79.229	ug/l	97
14) Allyl chloride	3.51	41	280166	19.000	ug/l	98
15) Acrylonitrile	4.05	53	235977	96.931	ug/l	97
16) Acetone	3.14	43	168835	96.353	ug/l	98
17) Carbon Disulfide	3.29	76	455096	17.733	ug/l	99
18) Methyl Acetate	3.53	43	75960	17.492	ug/l	96
19) Methyl tert-butyl Ether	4.09	73	408422	20.033	ug/l	99
20) Methylene Chloride	3.70	84	327026	17.971	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	326541	19.842	ug/l	99
22) Diisopropyl ether	4.82	45	985296	19.680	ug/l	99
23) Vinyl Acetate	4.77	43	2350240	97.031	ug/l	99
24) 1,1-Dichloroethane	4.72	63	518876	19.704	ug/l	99
25) 2-Butanone	5.59	43	311015	92.755	ug/l	96
26) 2,2-Dichloropropane	5.56	77	413408	19.888	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	328014	19.634	ug/l	96
28) Bromochloromethane	5.89	49	196153	17.632	ug/l	95
29) Tetrahydrofuran	5.92	42	177071	93.154	ug/l	99
30) Chloroform	6.07	83	530807	20.032	ug/l	98
31) Cyclohexane	6.33	56	496209	19.580	ug/l	99
32) 1,1,1-Trichloroethane	6.25	97	433439	19.771	ug/l	97
36) 1,1-Dichloropropene	6.49	75	406874	20.030	ug/l	98
37) Ethyl Acetate	5.66	43	168290	19.810	ug/l	96
38) Carbon Tetrachloride	6.46	117	365392	20.390	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	466085	20.119	ug/l	99
40) Benzene	6.76	78	1015585	19.356	ug/l	98
41) Methacrylonitrile	5.90	41	102075m	21.722	ug/l	
42) 1,2-Dichloroethane	6.86	62	255332	19.610	ug/l	98
43) Isopropyl Acetate	8.31	43	201821	18.512	ug/l #	100
44) Trichloroethene	7.70	130	308804	19.885	ug/l	98
45) 1,2-Dichloropropane	8.07	63	250296	19.452	ug/l	98
46) Dibromomethane	8.18	93	143364	19.521	ug/l	97
47) Bromodichloromethane	8.45	83	346046	19.894	ug/l	100
48) Methyl methacrylate	8.21	41	128223	19.365	ug/l	99
49) 1,4-Dioxane	8.19	88	23412	380.278	ug/l #	79
51) 4-Methyl-2-Pentanone	9.31	43	653617	97.857	ug/l	99
52) Toluene	9.51	92	658583	20.022	ug/l	98
53) t-1,3-Dichloropropene	9.89	75	281221	19.379	ug/l	98
54) cis-1,3-Dichloropropene	9.07	75	373734	19.676	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	181289	20.484	ug/l	96
56) Ethyl methacrylate	9.99	69	151264	18.402	ug/l	98
57) 1,3-Dichloropropane	10.35	76	267449	19.066	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	491896	101.557	ug/l	97
59) 2-Hexanone	10.46	43	454177	97.145	ug/l	96
60) Dibromochloromethane	10.61	129	224624	19.926	ug/l	99
61) 1,2-Dibromoethane	10.73	107	137552	14.984	ug/l	100
64) Tetrachloroethene	10.22	164	296398	21.089	ug/l	98
65) Chlorobenzene	11.28	112	705746	20.600	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.39	131	231402	21.007	ug/l	98
67) Ethyl Benzene	11.40	91	1253492	21.364	ug/l	98
68) m/p-Xylenes	11.54	106	930553	43.399	ug/l	97
69) o-Xylene	11.91	106	428601	21.069	ug/l	94
70) Styrene	11.93	104	693057	21.153	ug/l	99
71) Bromoform	12.09	173	145373	19.993	ug/l	94
73) Isopropylbenzene	12.26	105	1180292	20.440	ug/l	99
74) N-amyl acetate	12.11	43	262003	19.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	183374	19.592	ug/l	98
76) 1,2,3-Trichloropropane	12.57	75	185111	20.048	ug/l	100
77) Bromobenzene	12.52	156	313106	20.538	ug/l	90
78) n-propylbenzene	12.62	91	1541750	20.884	ug/l	99
79) 2-Chlorotoluene	12.68	91	825833	20.886	ug/l	95
80) 1,3,5-Trimethylbenzene	12.77	105	974152	21.847	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.32	75	48191	18.888	ug/l	92
82) 4-Chlorotoluene	12.79	91	989345	22.075	ug/l	95
83) tert-Butylbenzene	13.03	119	1071051	21.106	ug/l	92
84) 1,2,4-Trimethylbenzene	13.07	105	933342	20.323	ug/l	99
85) sec-Butylbenzene	13.20	105	1324347	21.400	ug/l	98
86) p-Isopropyltoluene	13.32	119	1081821	21.656	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	579915	20.721	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	577415	20.938	ug/l	96
89) n-Butylbenzene	13.63	91	1118755	21.915	ug/l	97
90) Hexachloroethane	13.84	117	258210	21.040	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	496937	22.136	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.21	75	20742	18.863	ug/l	89

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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	14.77	180	373828	20.926	ug/l	97
94) Hexachlorobutadiene	14.87	225	281809	21.342	ug/l	98
95) Naphthalene	14.95	128	410846	19.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	288286	20.644	ug/l	100

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

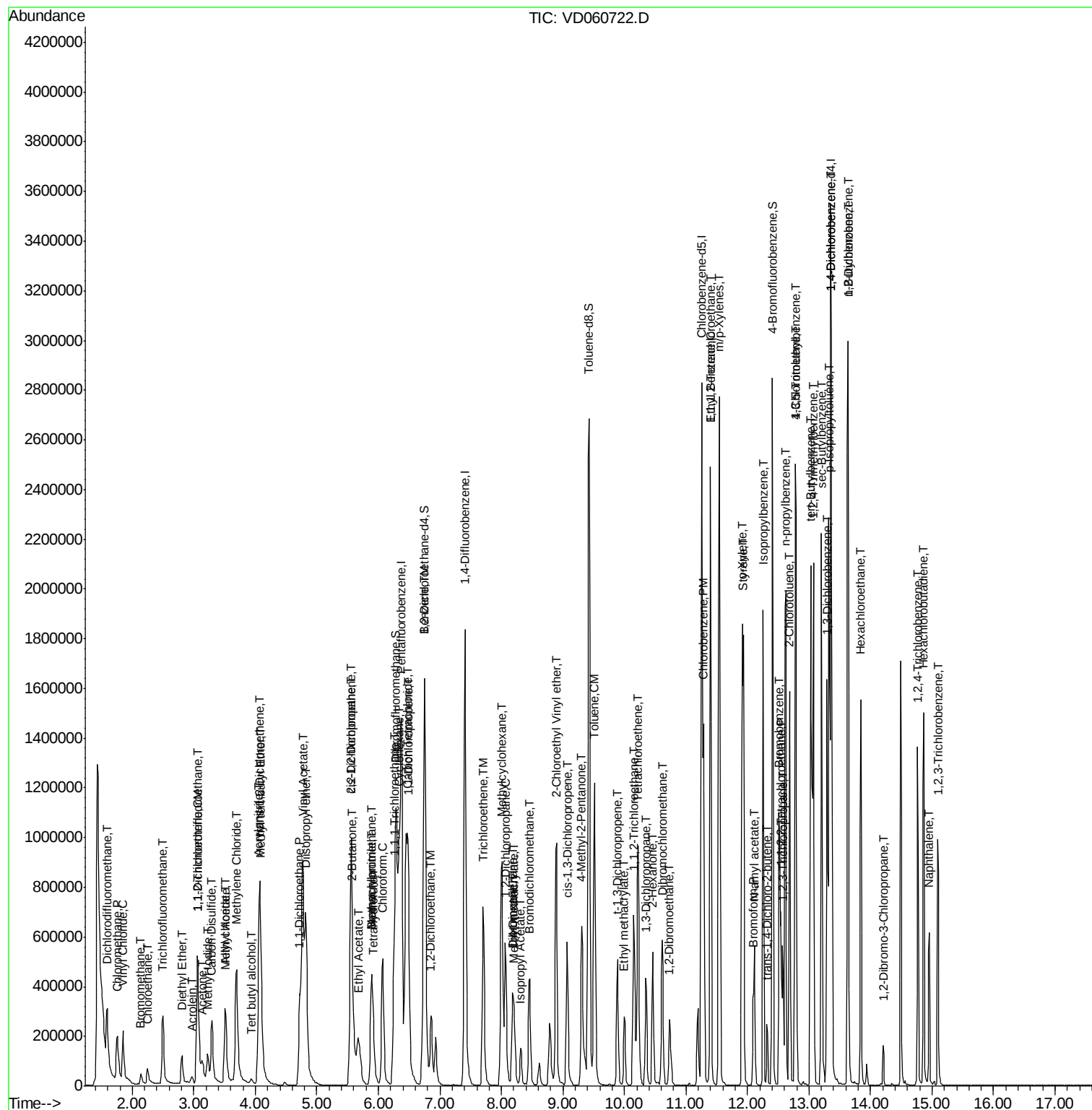
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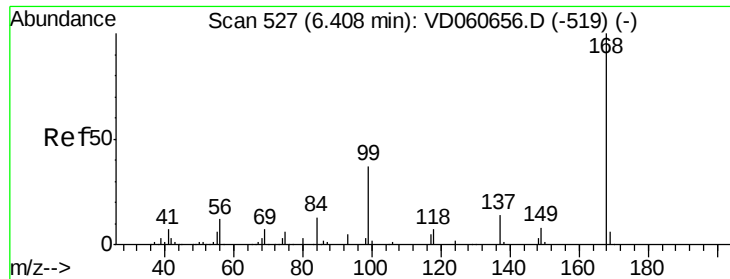
Instrument :
MSVOA_D
Client Sample Id :
VD1227SBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion:168 Resp: 1451912

Ion Ratio Lower Upper

168 100

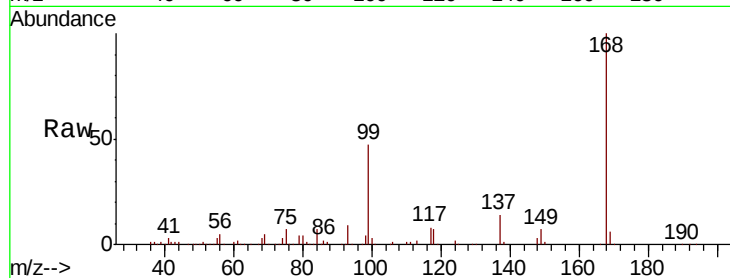
99 46.7 38.7 58.1

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

6.37

500000

400000

300000

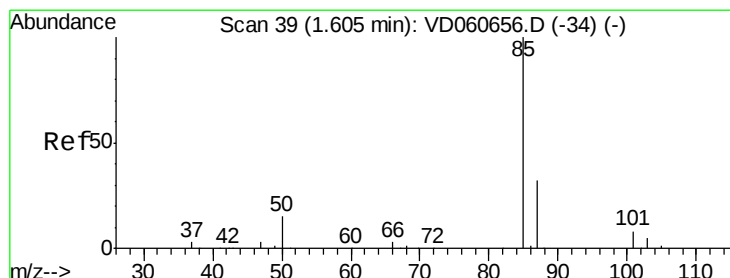
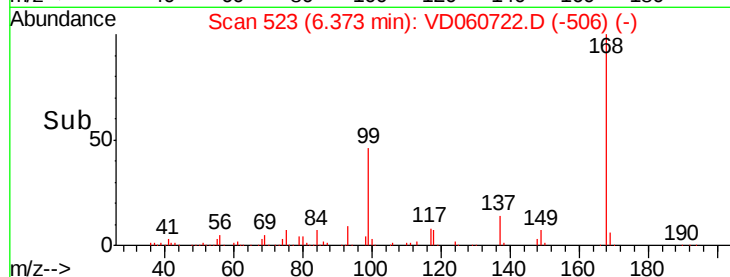
200000

100000

0

6.20 6.40 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.228 ug/l

RT: 1.59 min Scan# 37

Delta R.T. -0.02 min

Lab File: VD060722.D

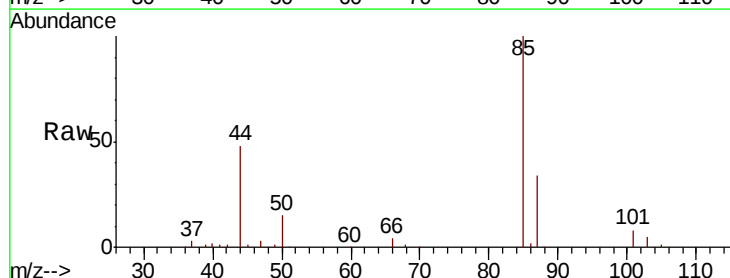
Acq: 27 Dec 2018 13:15

Tgt Ion: 85 Resp: 338160

Ion Ratio Lower Upper

85 100

87 33.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

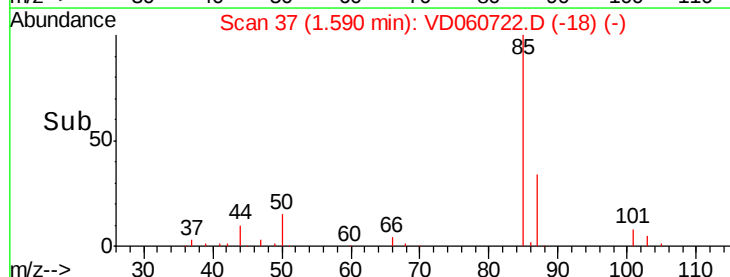
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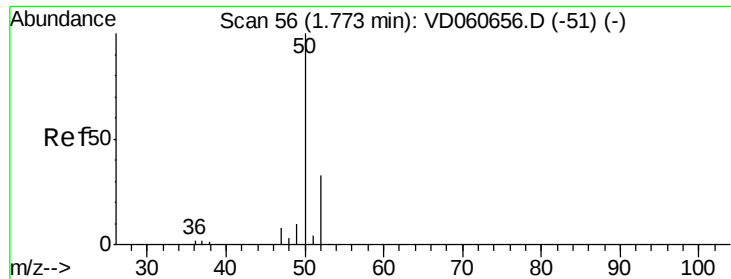
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 18.550 ug/l

RT: 1.76 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 50 Resp: 316709

Ion Ratio Lower Upper

50 100

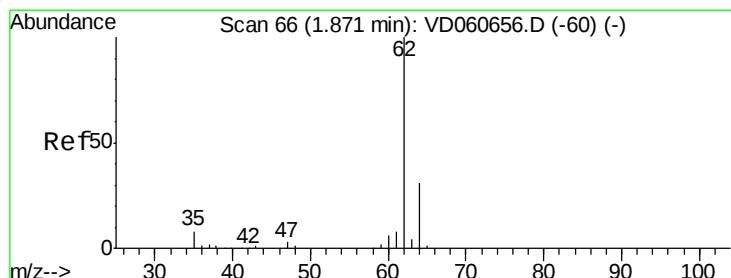
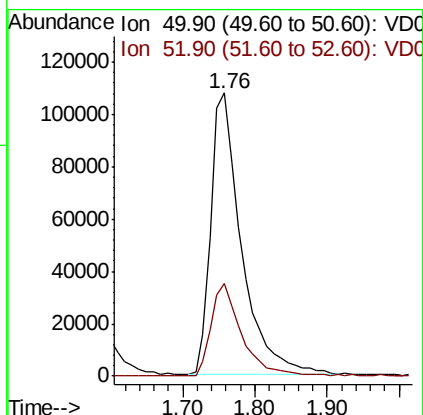
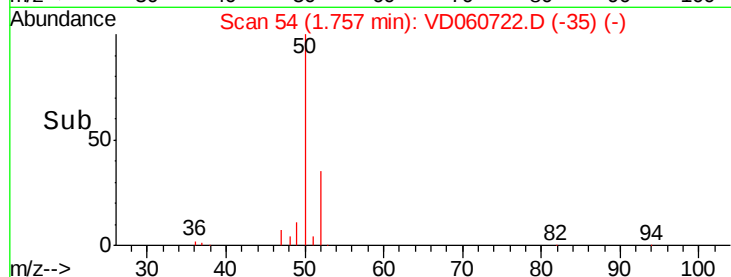
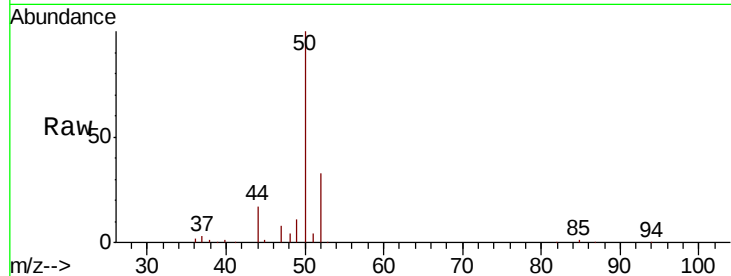
52 32.7 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.333 ug/l

RT: 1.85 min Scan# 63

Delta R.T. -0.03 min

Lab File: VD060722.D

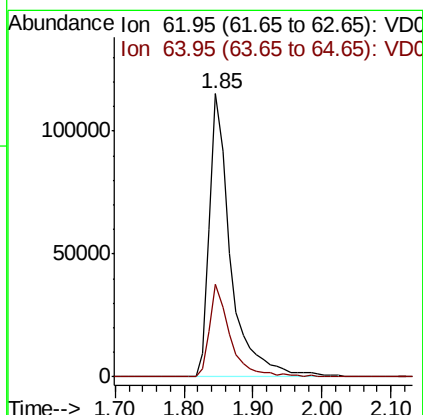
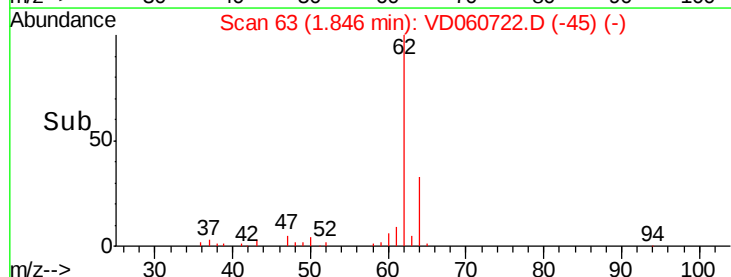
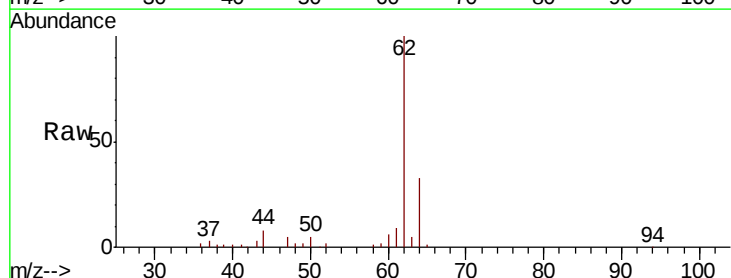
Acq: 27 Dec 2018 13:15

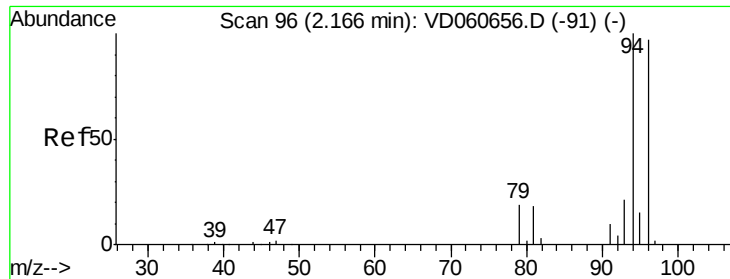
Tgt Ion: 62 Resp: 248512

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.6





#5

Bromomethane

Concen: 13.061 ug/l

RT: 2.14 min Scan# 93

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 94 Resp: 39658

Ion Ratio Lower Upper

94 100

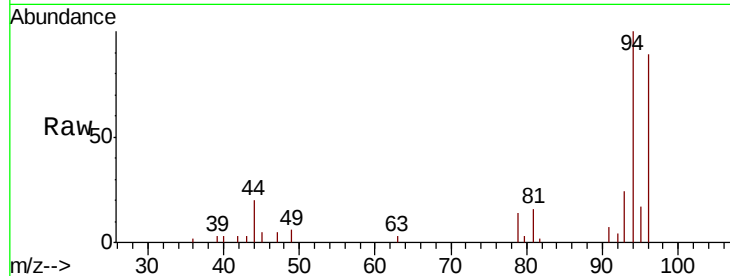
96 89.1 77.2 115.8

Manual Integrations

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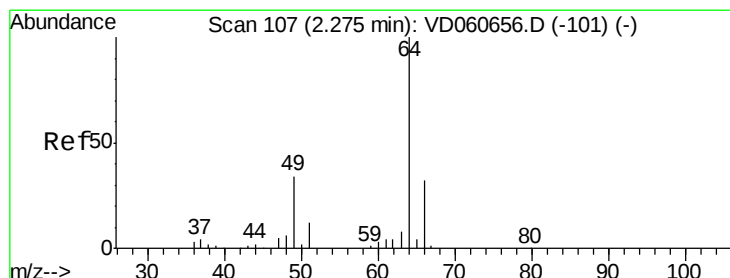
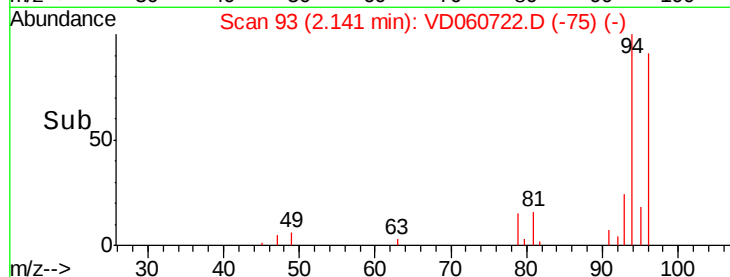
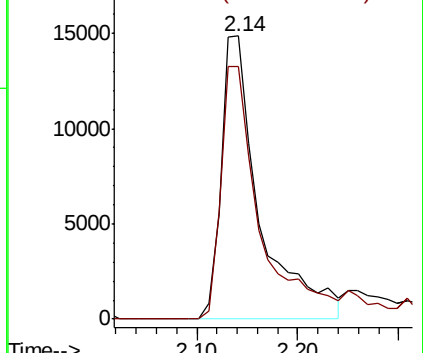
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.170 ug/l

RT: 2.25 min Scan# 104

Delta R.T. -0.03 min

Lab File: VD060722.D

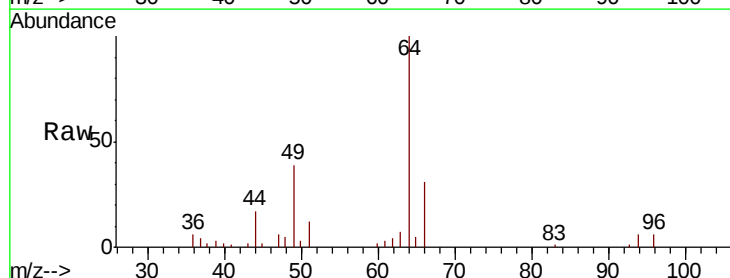
Acq: 27 Dec 2018 13:15

Tgt Ion: 64 Resp: 73506

Ion Ratio Lower Upper

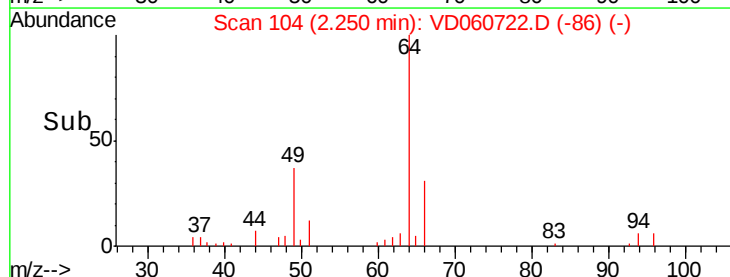
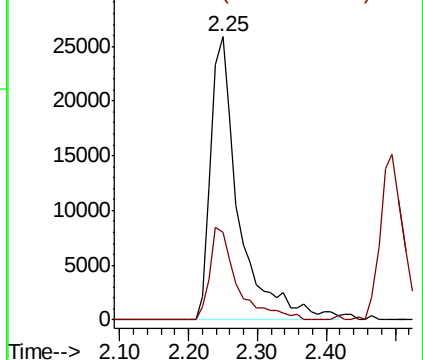
64 100

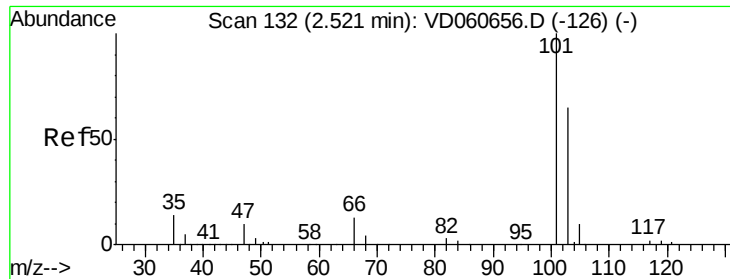
66 31.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

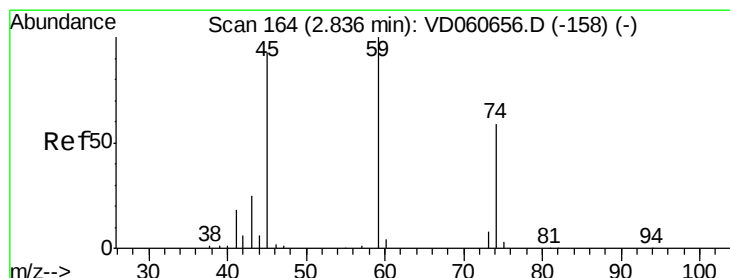
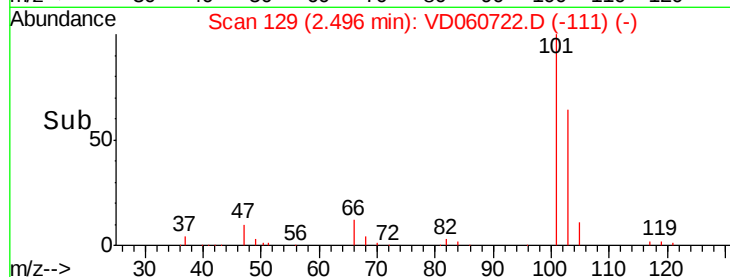
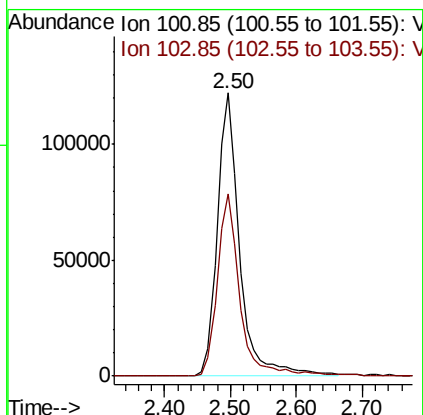
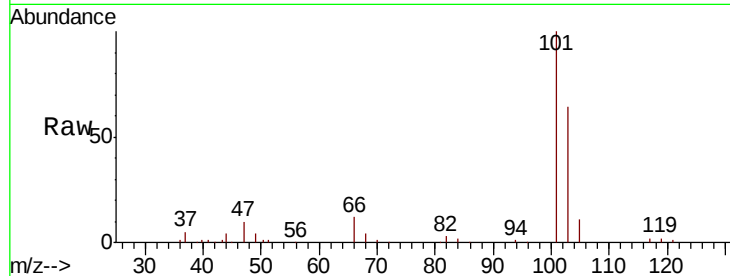
Trichlorofluoromethane
Concen: 19.058 ug/l
RT: 2.50 min Scan# 129
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

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ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.9	77.9

Manual Integrations
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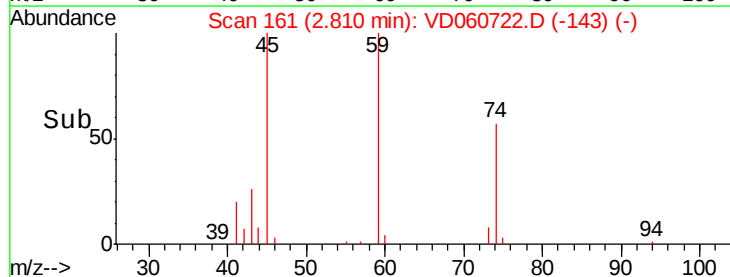
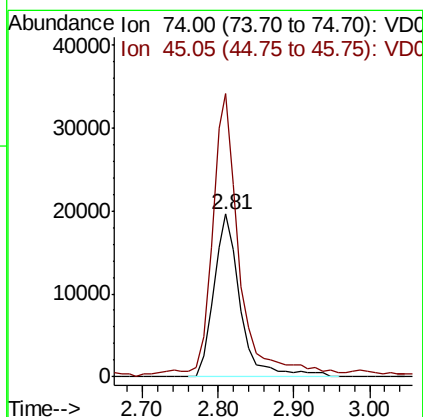
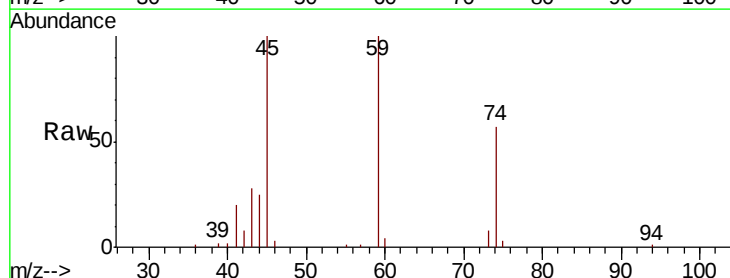
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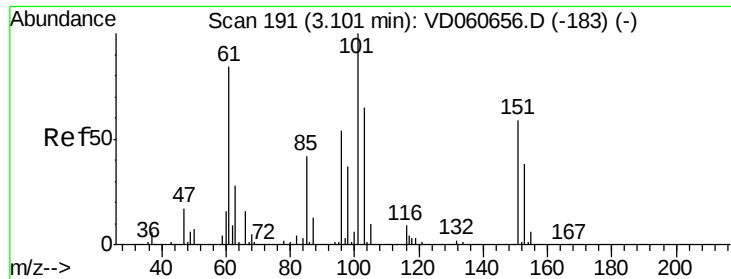


#8

Diethyl Ether
Concen: 18.854 ug/l
RT: 2.81 min Scan# 161
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	174.0	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.823 ug/l

RT: 3.07 min Scan# 187

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

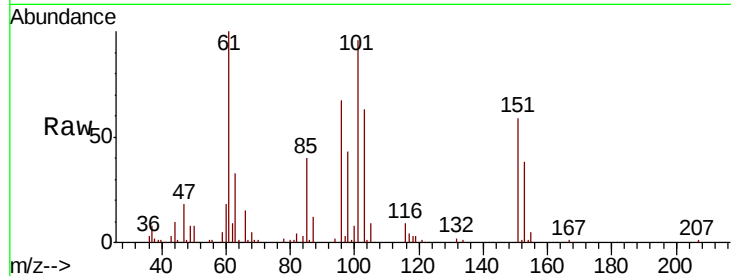
ClientSampleId :

VD1227SBS01

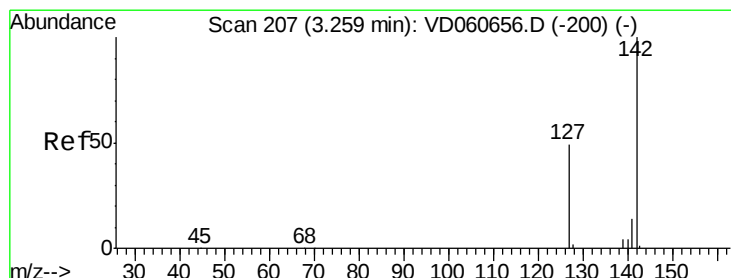
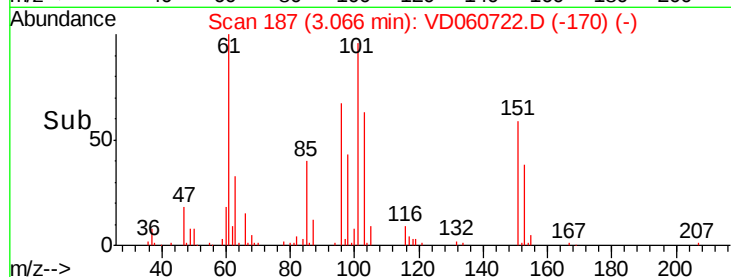
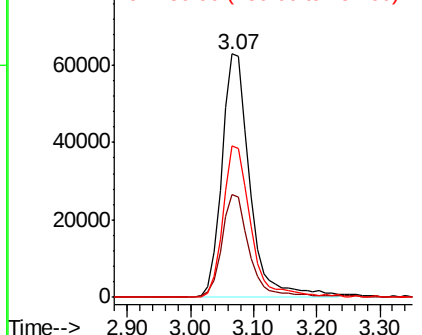
Tot Ion:	101	Resp:	193866
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.0
151	62.2	47.5	71.3

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



#10

Methyl Iodide

Concen: 17.946 ug/l

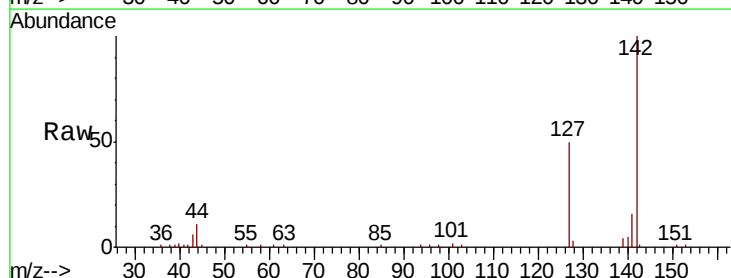
RT: 3.22 min Scan# 203

Delta R.T. -0.03 min

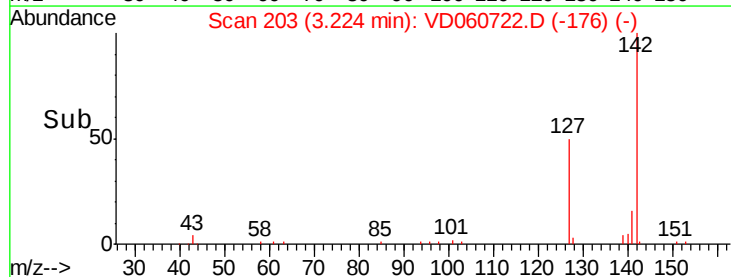
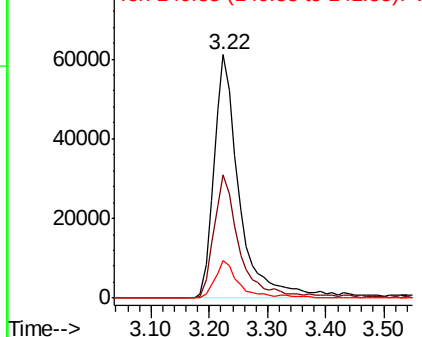
Lab File: VD060722.D

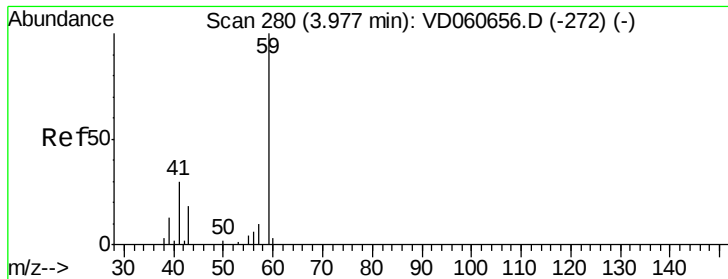
Acq: 27 Dec 2018 13:15

Tgt Ion:	142	Resp:	184455
Ion Ratio	Lower	Upper	
142	100		
127	50.4	39.5	59.3
141	15.5	11.3	16.9



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





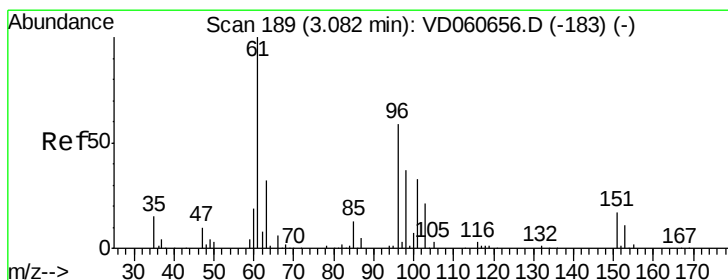
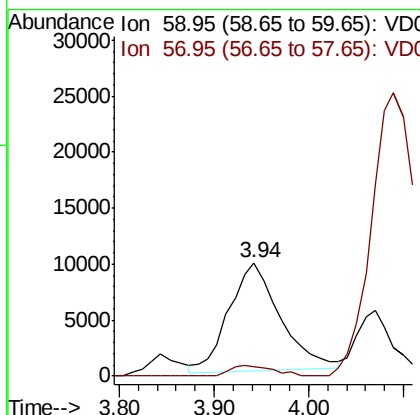
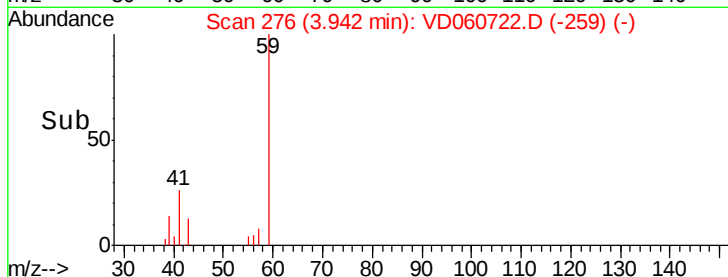
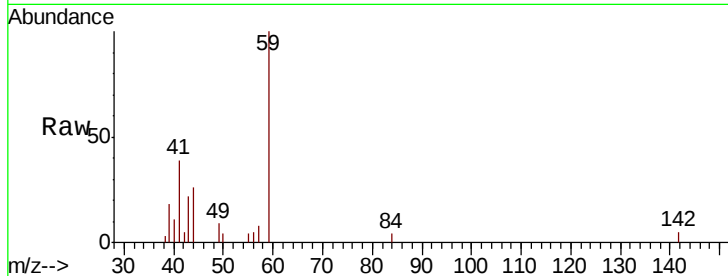
#11
Tert butyl alcohol
Concen: 87.272 ug/l
RT: 3.94 min Scan# 276
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion: 59 Resp: 36596
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.6

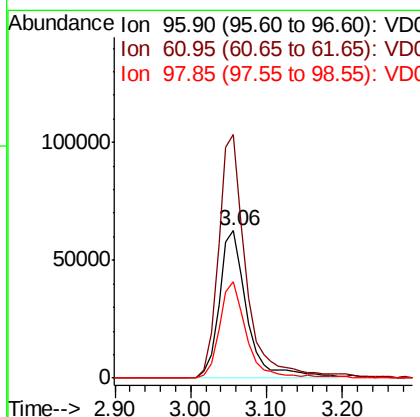
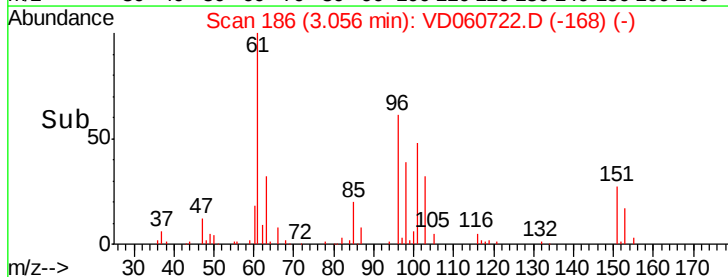
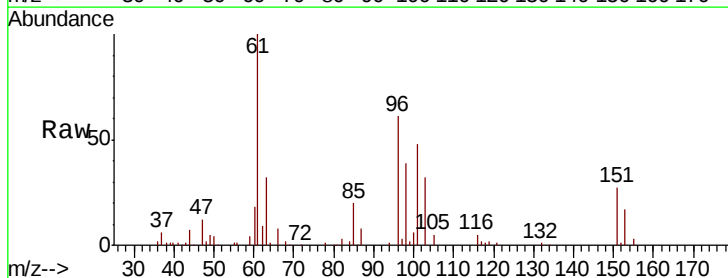
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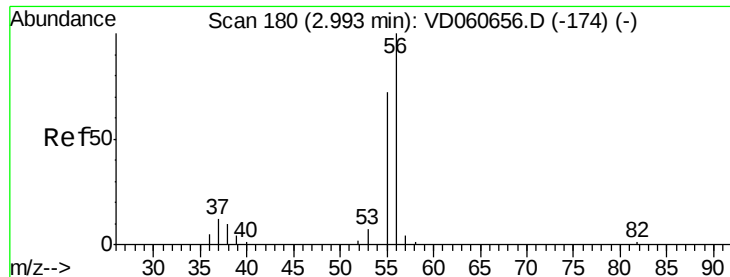
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#12
1,1-Dichloroethene
Concen: 19.845 ug/l
RT: 3.06 min Scan# 186
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 96 Resp: 159476
Ion Ratio Lower Upper
96 100
61 165.0 136.2 204.4
98 65.0 50.7 76.1





#13

Acrolein

Concen: 79.229 ug/l

RT: 2.97 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 56 Resp: 33856

Ion Ratio Lower Upper

56 100

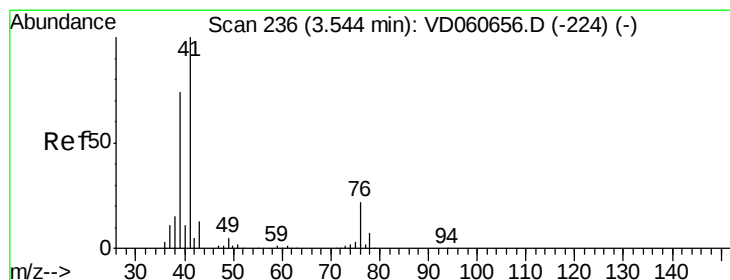
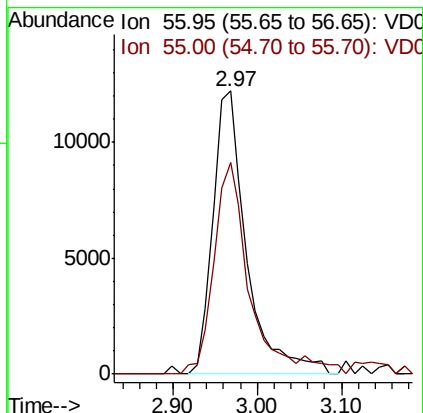
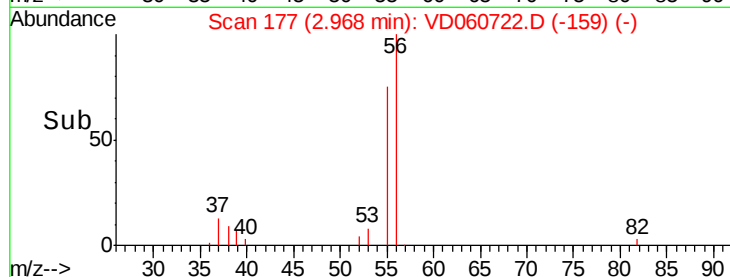
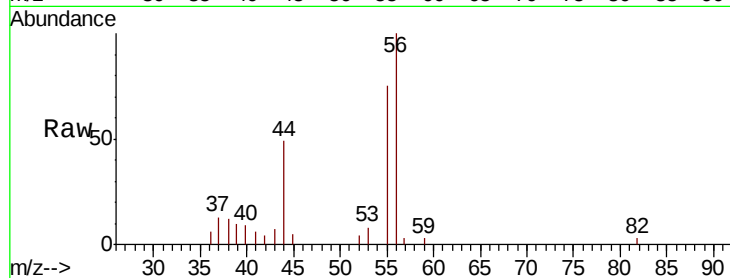
55 74.8 57.7 86.5

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#14

Allyl chloride

Concen: 19.000 ug/l

RT: 3.51 min Scan# 232

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

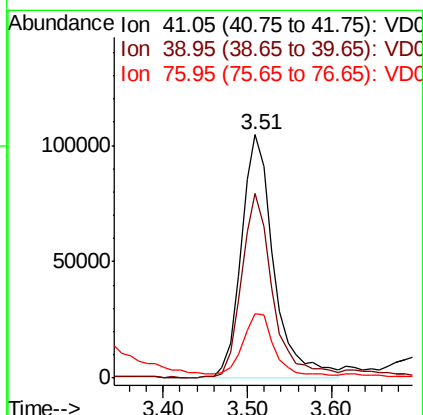
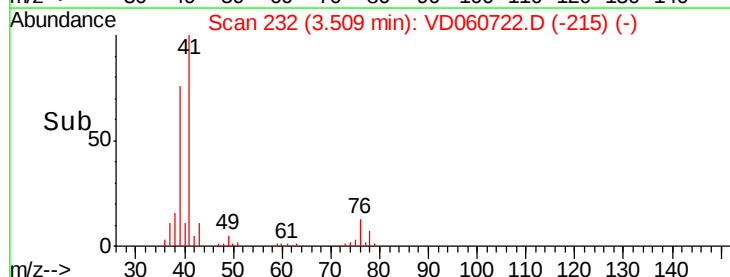
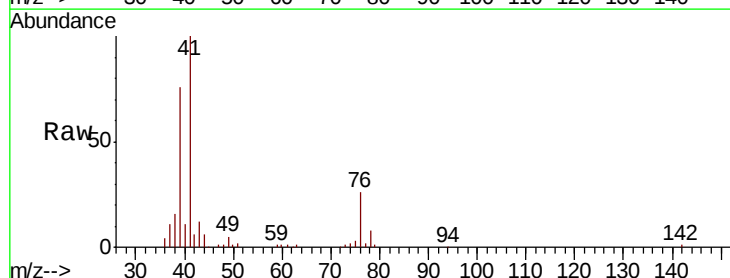
Tgt Ion: 41 Resp: 280166

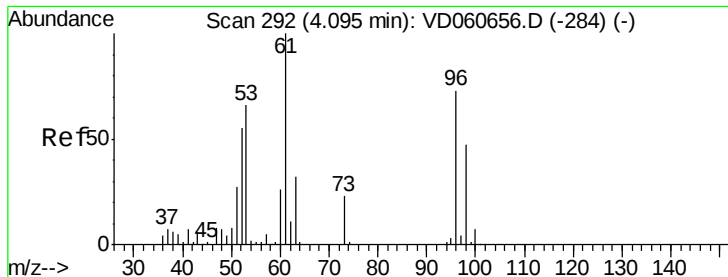
Ion Ratio Lower Upper

41 100

39 76.0 59.6 89.4

76 26.2 21.8 32.6





#15

Acrylonitrile

Concen: 96.931 ug/l

RT: 4.05 min Scan# 287

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

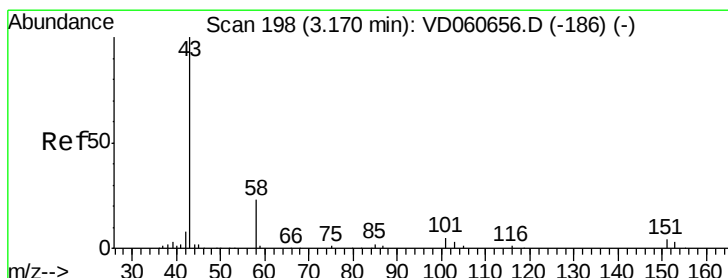
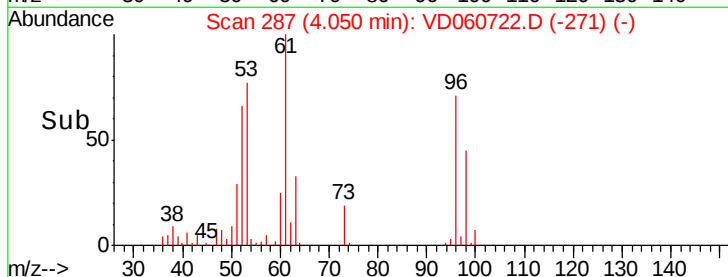
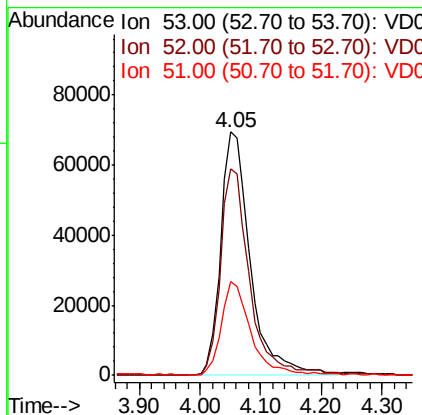
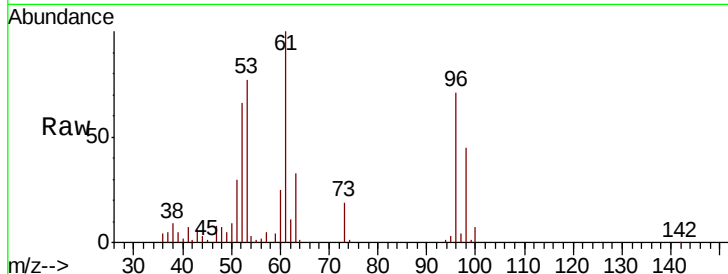
ClientSampleId :

VD1227SBS01

Tot Ion:	53	Resp:	235977
Ion Ratio	Lower	Upper	
53	100		
52	85.0	66.7	100.1
51	38.5	32.7	49.1

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#16

Acetone

Concen: 96.353 ug/l

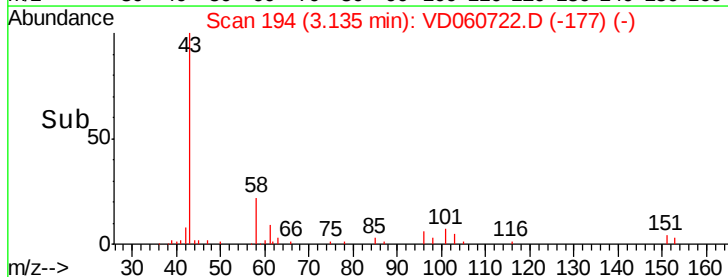
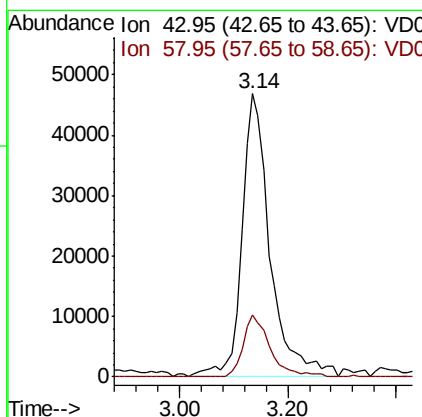
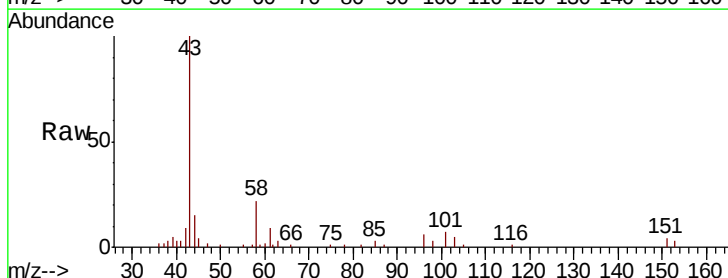
RT: 3.14 min Scan# 194

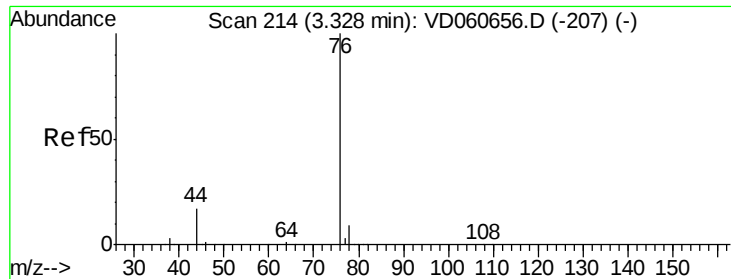
Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Tgt Ion:	43	Resp:	168835
Ion Ratio	Lower	Upper	
43	100		
58	21.7	18.2	27.2





#17

Carbon Disulfide

Concen: 17.733 ug/l

RT: 3.29 min Scan# 210

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 76 Resp: 455096

Ion Ratio Lower Upper

76 100

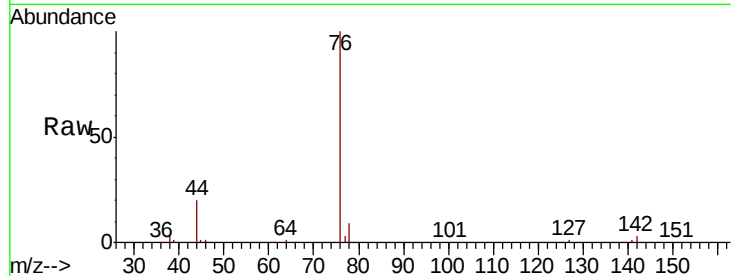
78 9.5 7.4 11.0

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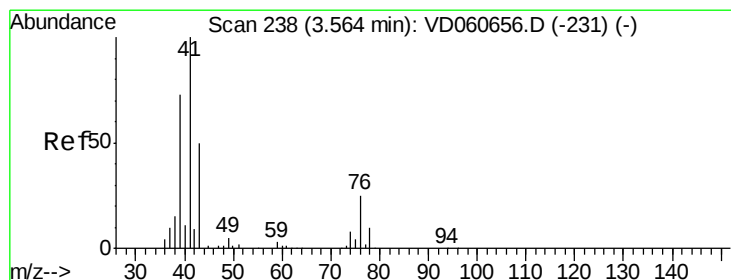
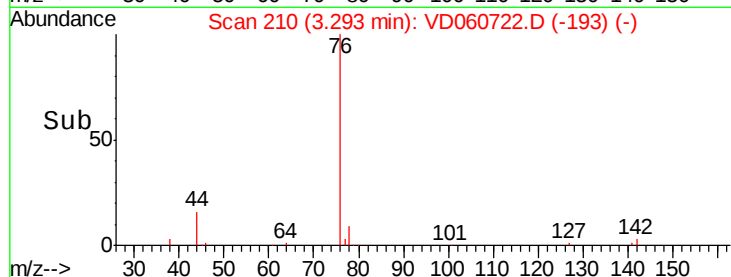
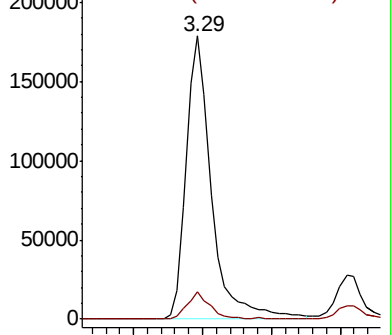
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.492 ug/l

RT: 3.53 min Scan# 234

Delta R.T. -0.03 min

Lab File: VD060722.D

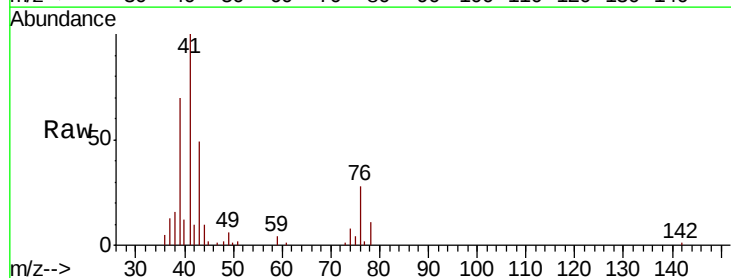
Acq: 27 Dec 2018 13:15

Tgt Ion: 43 Resp: 75960

Ion Ratio Lower Upper

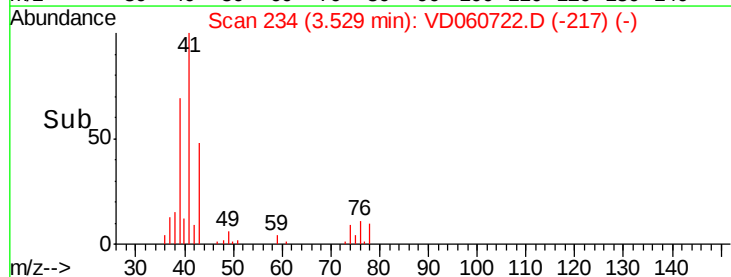
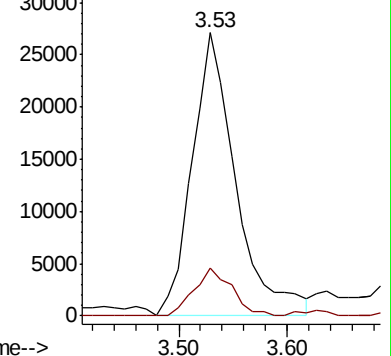
43 100

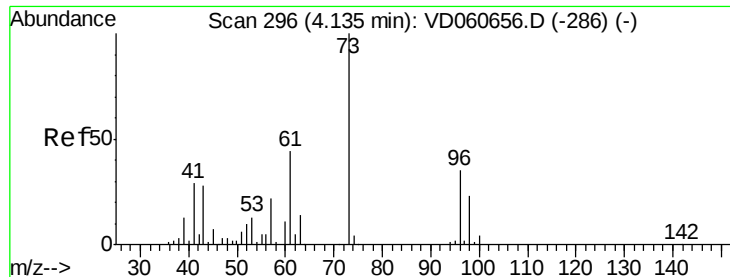
74 17.1 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





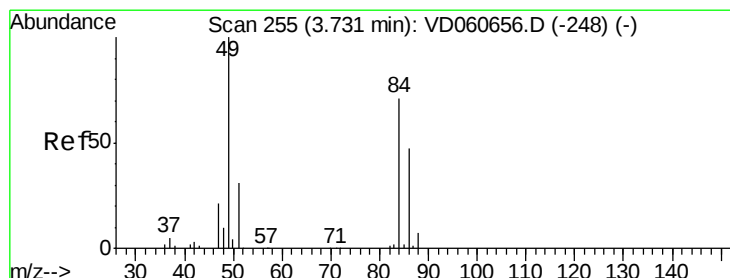
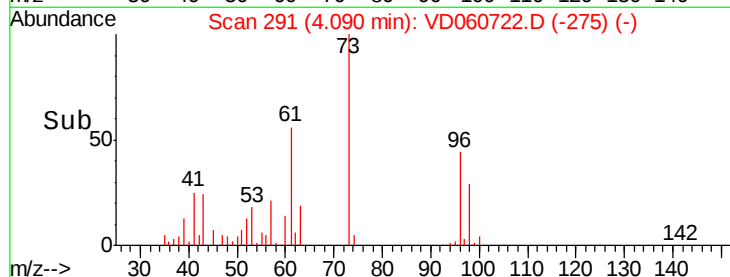
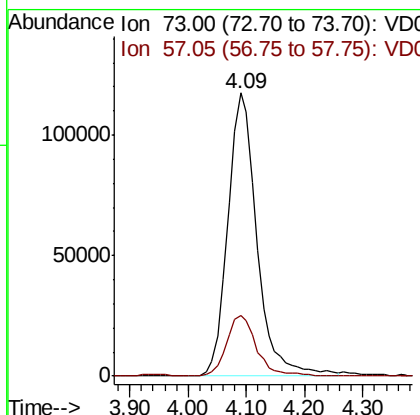
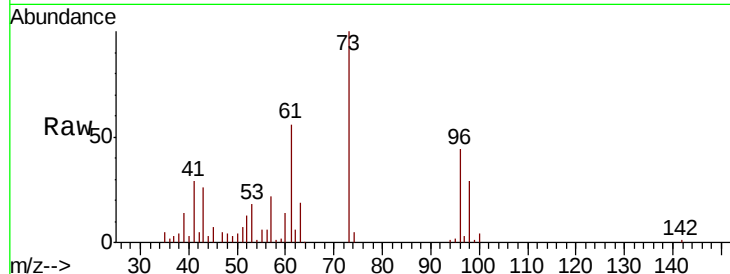
#19
Methvl tert-butvl Ether
Concen: 20.033 ug/l
RT: 4.09 min Scan# 291
Delta R.T. -0.04 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion: 73 Resp: 408422
Ion Ratio Lower Upper
73 100
57 21.5 17.6 26.4

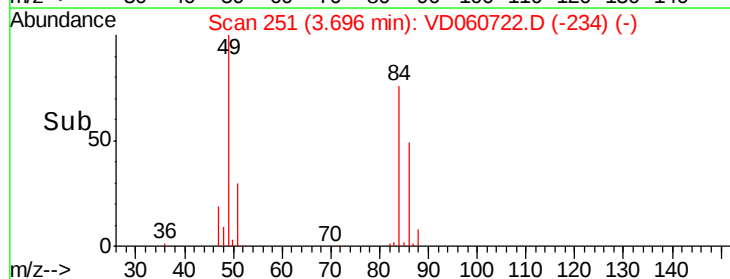
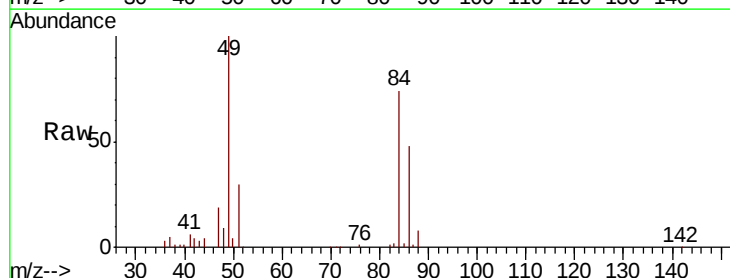
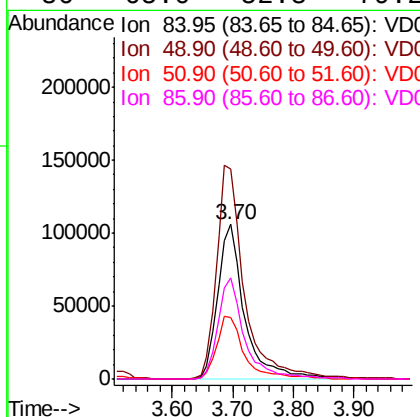
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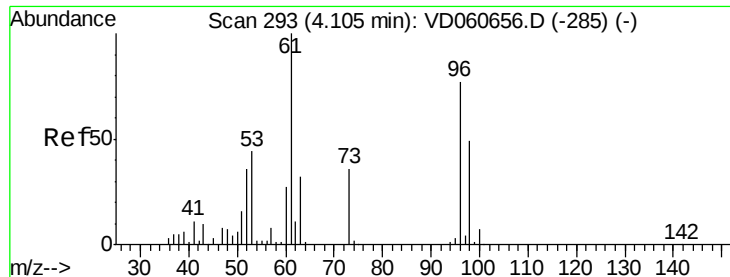
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#20
Methylene Chloride
Concen: 17.971 ug/l
RT: 3.70 min Scan# 251
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 84 Resp: 327026
Ion Ratio Lower Upper
84 100
49 135.2 113.6 170.4
51 40.0 34.7 52.1
86 65.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.842 ug/l

RT: 4.07 min Scan# 289

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 96 Resp: 326541

Ion Ratio Lower Upper

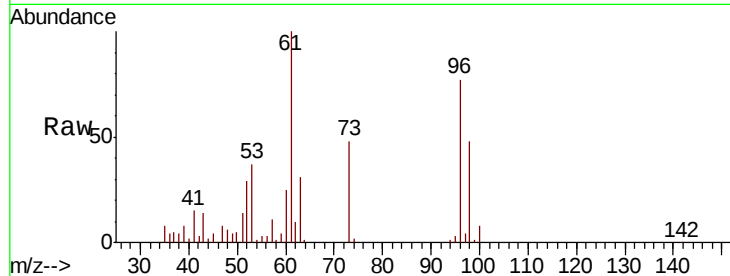
96 100

61 130.2 104.2 156.2

98 62.8 51.2 76.8

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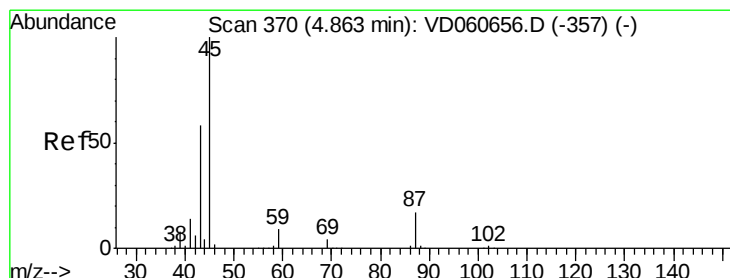
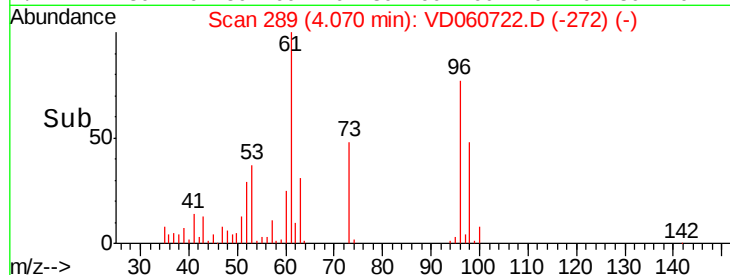
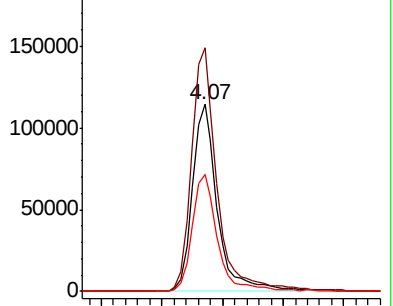
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.680 ug/l

RT: 4.82 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Tgt Ion: 45 Resp: 985296

Ion Ratio Lower Upper

45 100

43 58.7 46.1 69.1

87 17.9 13.7 20.5

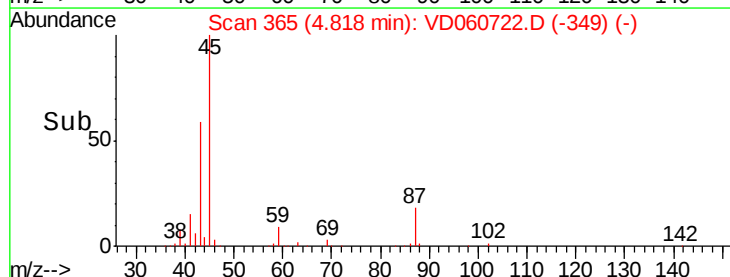
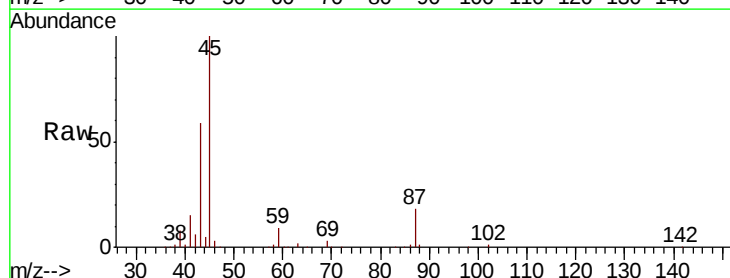
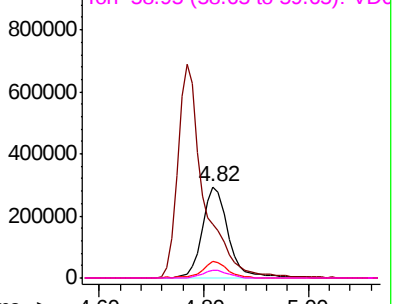
59 9.1 7.4 11.0

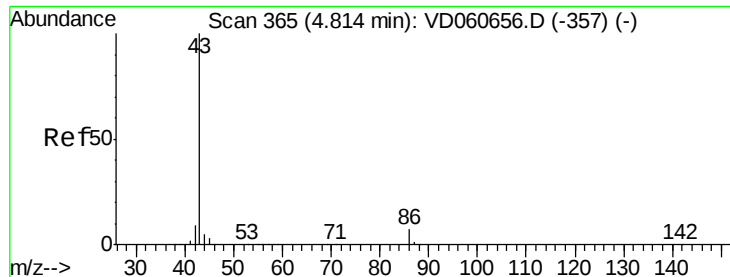
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 97.031 ug/l

RT: 4.77 min Scan# 360

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 43 Resp: 2350240

Ion Ratio Lower Upper

43 100

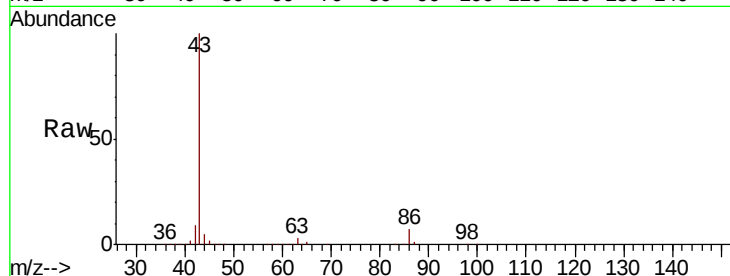
86 6.7 5.6 8.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.77

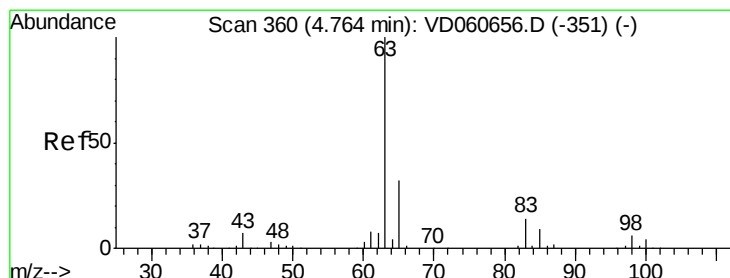
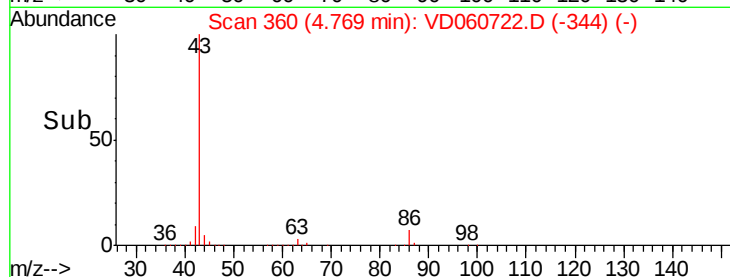
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.704 ug/l

RT: 4.72 min Scan# 355

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

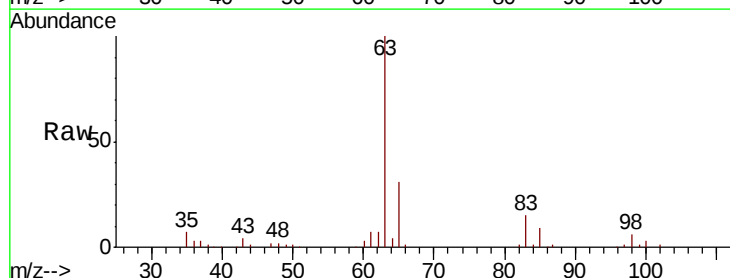
Tgt Ion: 63 Resp: 518876

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

100 3.3 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

4.72

200000

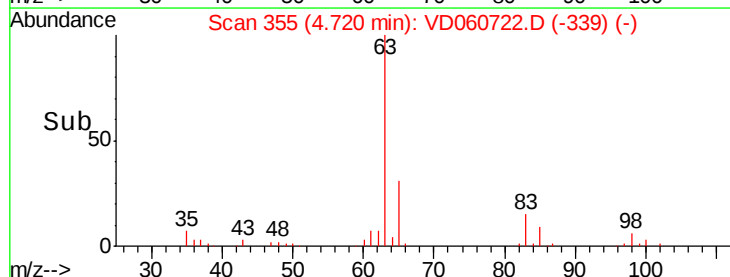
150000

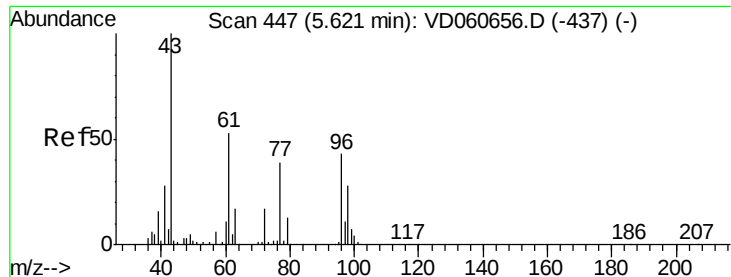
100000

50000

0

Time-->





#25

2-Butanone

Concen: 92.755 ug/l

RT: 5.59 min Scan# 443

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 43 Resp: 311015

Ion Ratio Lower Upper

43 100

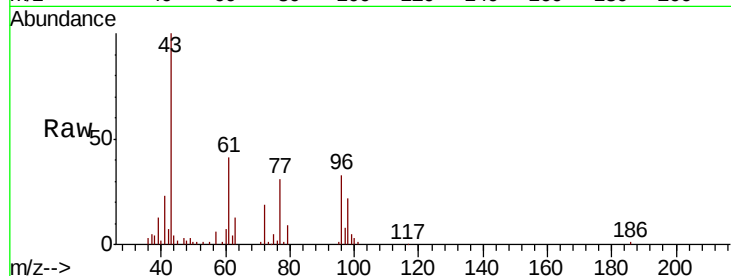
72 18.8 13.7 20.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.59

120000

100000

80000

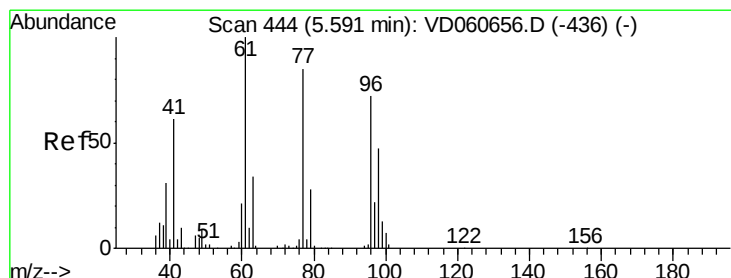
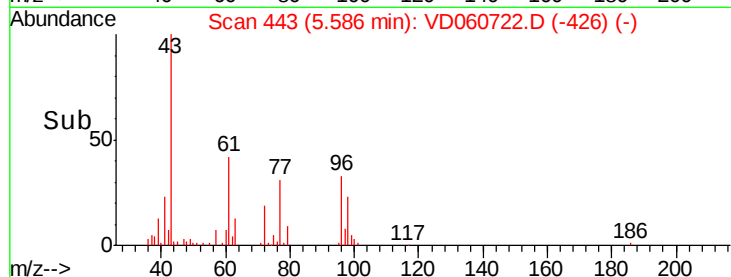
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.888 ug/l

RT: 5.56 min Scan# 440

Delta R.T. -0.03 min

Lab File: VD060722.D

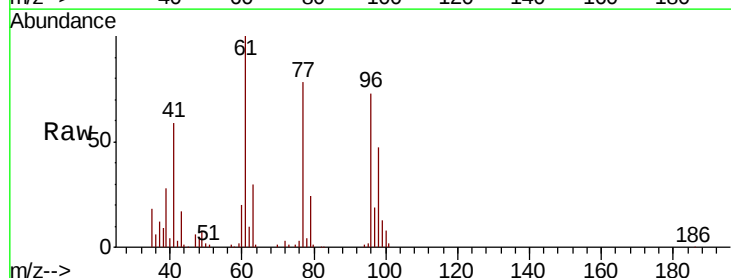
Acq: 27 Dec 2018 13:15

Tgt Ion: 77 Resp: 413408

Ion Ratio Lower Upper

77 100

97 24.5 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

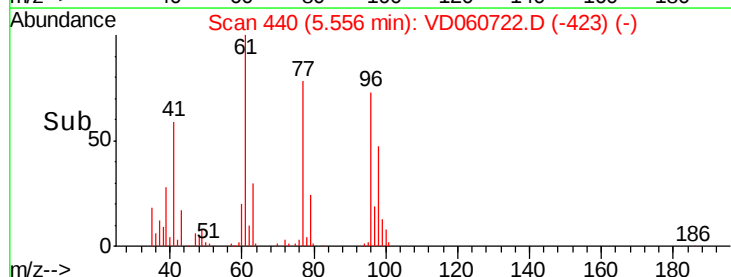
5.56

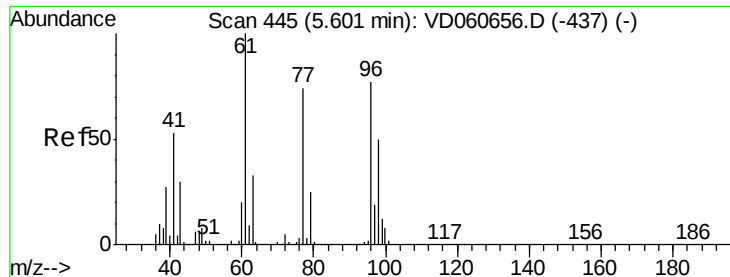
100000

50000

0

Time-->





#27

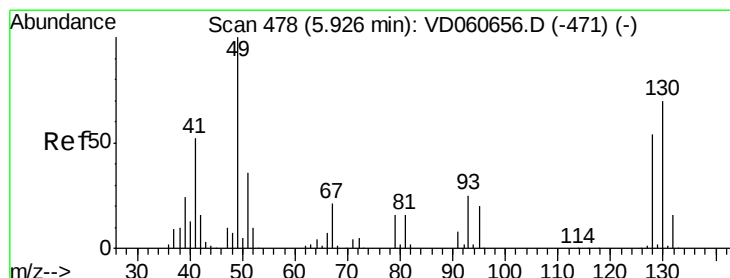
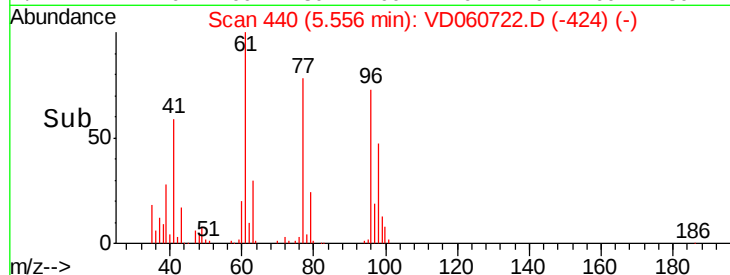
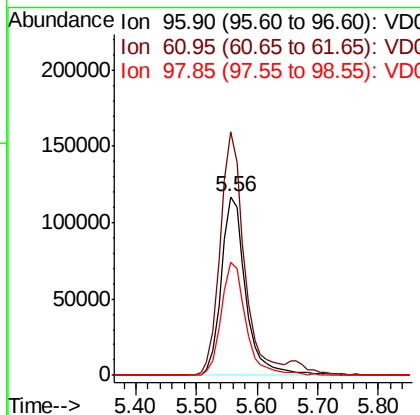
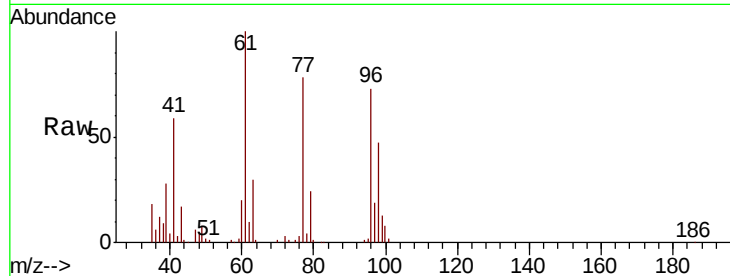
cis-1,2-Dichloroethene
 Concen: 19.634 ug/l
 RT: 5.56 min Scan# 440
 Delta R.T. -0.04 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	328014		
61	136.4	0.0	259.4	
98	63.7	0.0	130.0	

Manual Integrations
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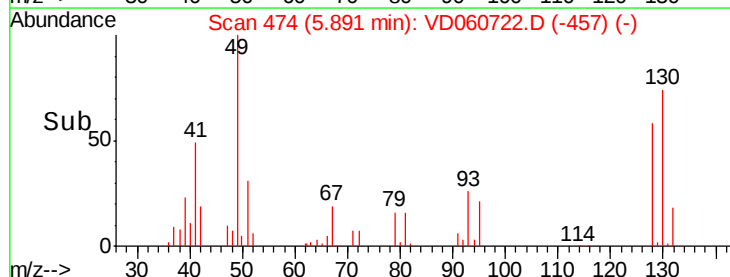
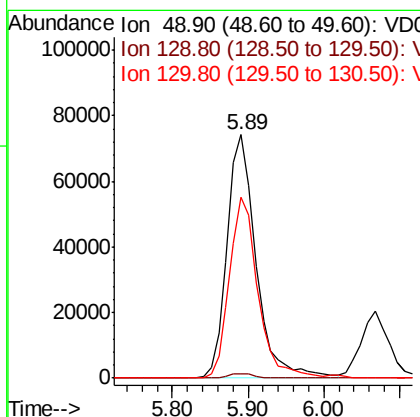
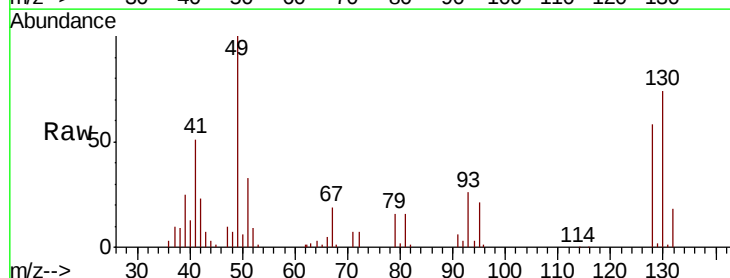
apatel
 12/28/2018 9:47:05 AM

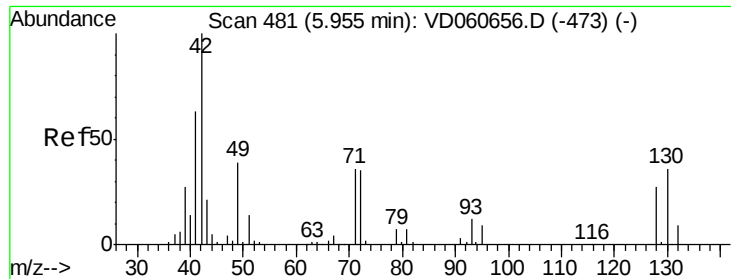


#28

Bromochloromethane
 Concen: 17.632 ug/l
 RT: 5.89 min Scan# 474
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	196153		
129	1.9	0.0	3.4	
130	74.1	56.2	84.2	





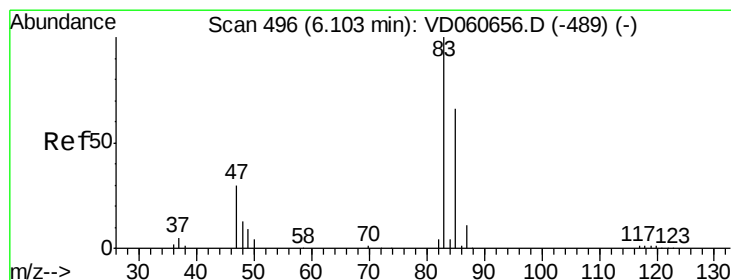
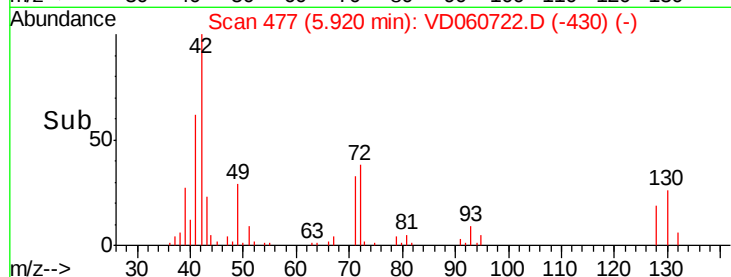
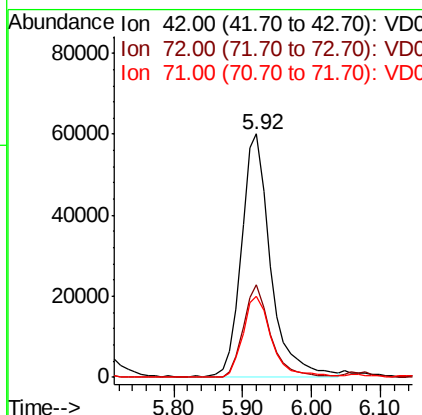
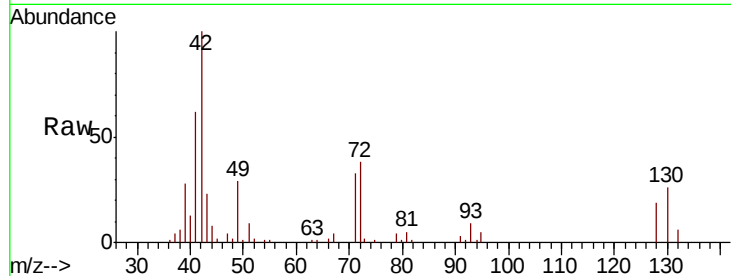
#29
Tetrahydrofuran
Concen: 93.154 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.0	42.0
71	32.8	27.0	40.6

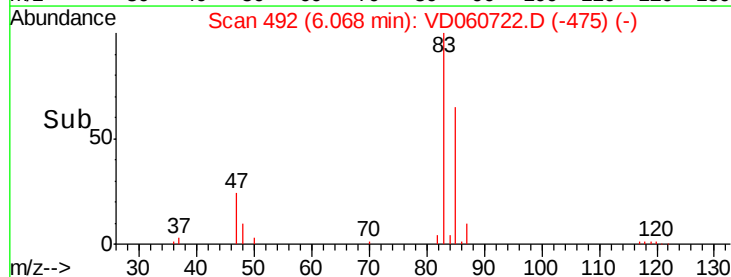
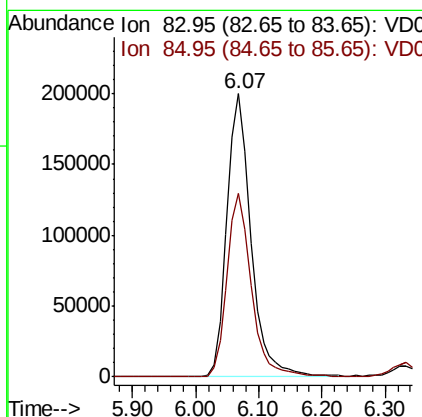
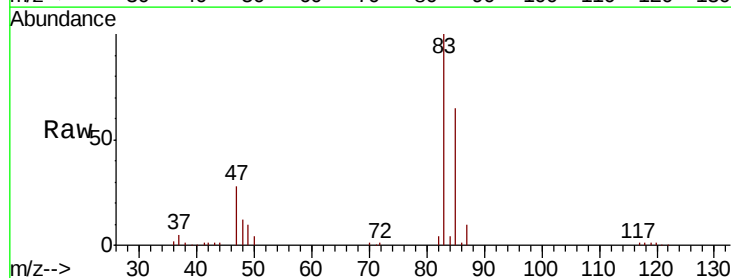
Manual Integrations
APPROVED

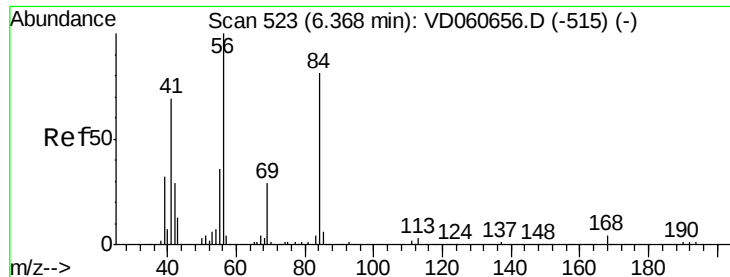
apatel
12/28/2018 9:47:05 AM



#30
Chloroform
Concen: 20.032 ug/l
RT: 6.07 min Scan# 492
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.0	79.6





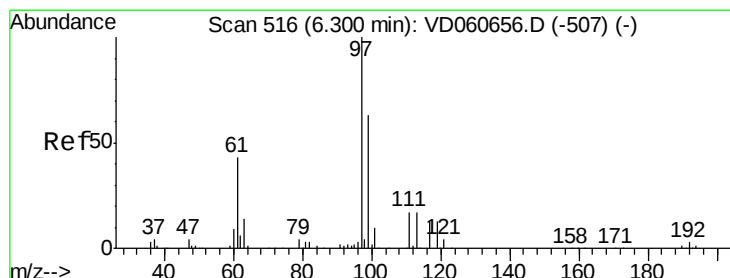
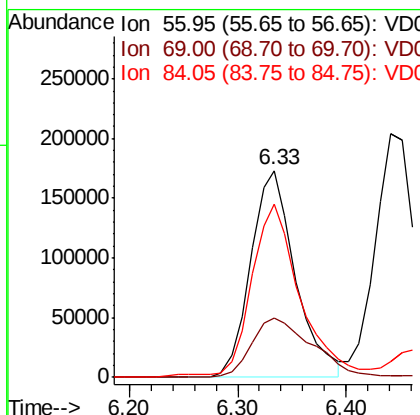
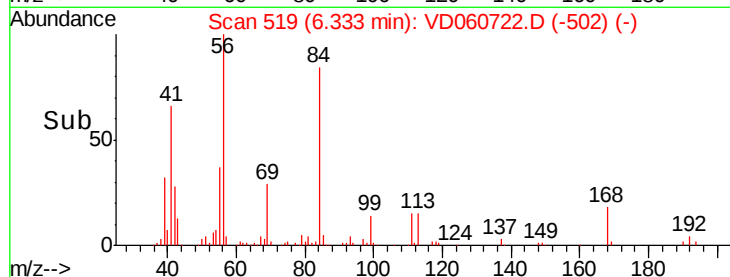
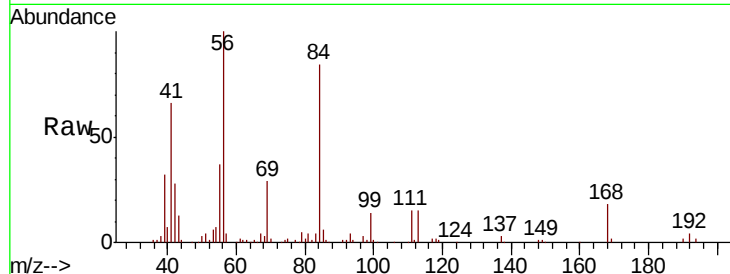
#31
Cyclohexane
Concen: 19.580 ug/l
RT: 6.33 min Scan# 519
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleID :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.6	35.4
84	83.6	65.8	98.6

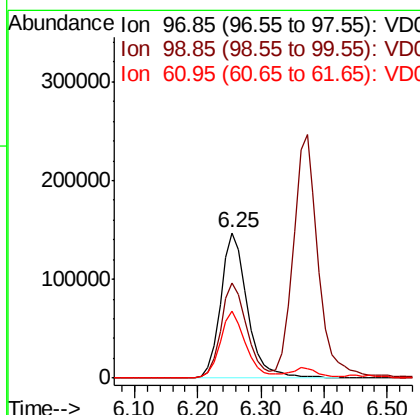
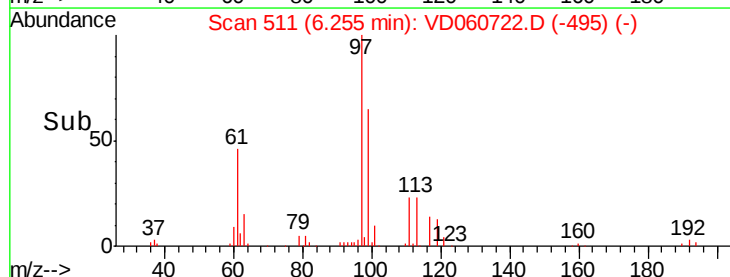
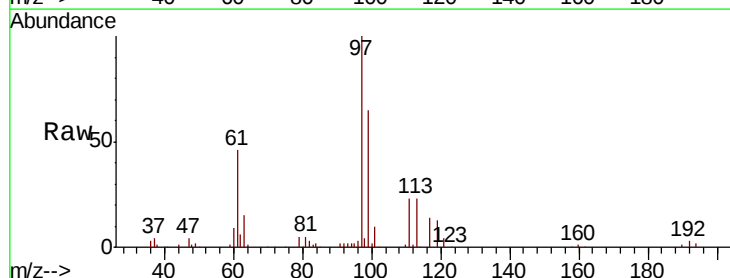
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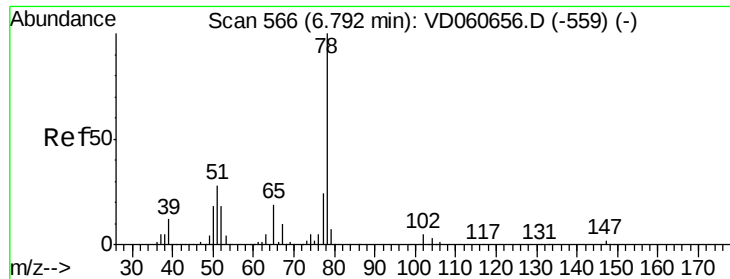
apatel
12/28/2018 9:47:05 AM



#32
1,1,1-Trichloroethane
Concen: 19.771 ug/l
RT: 6.25 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.5	75.7
61	46.4	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 19.771 ug/l

RT: 6.75 min Scan# 561

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 65 Resp: 510689

Ion Ratio Lower Upper

65 100

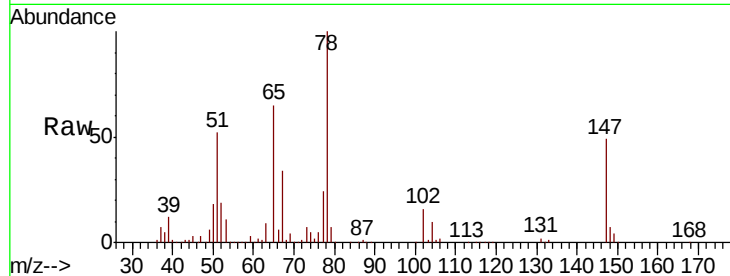
67 51.5 0.0 105.4

Manual Integrations

APPROVED

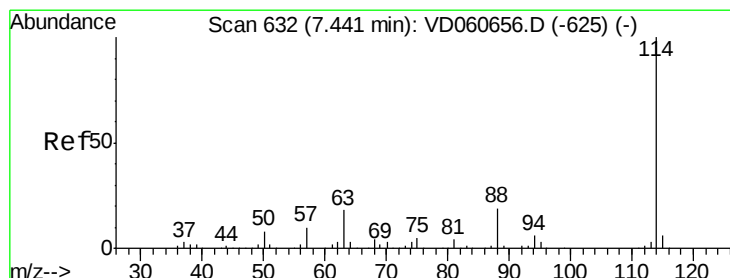
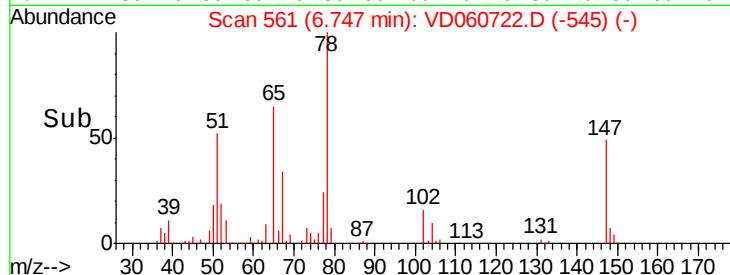
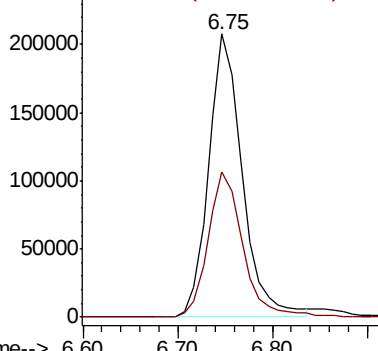
apatel

12/28/2018 9:47:05 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 628

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

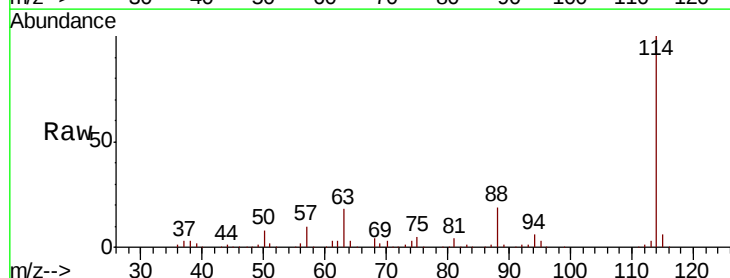
Tgt Ion: 114 Resp: 1972644

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.2

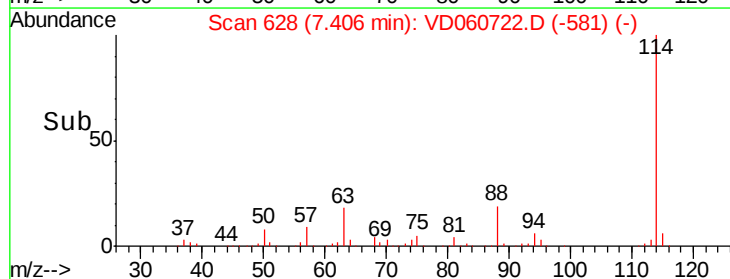
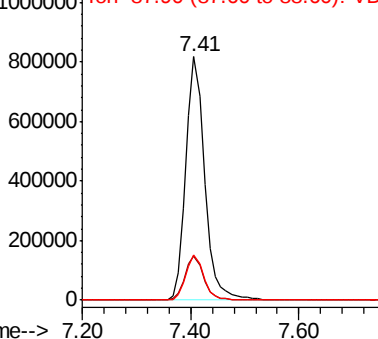
88 18.6 0.0 37.0

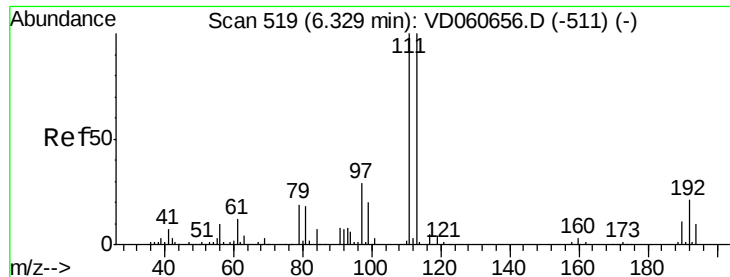


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





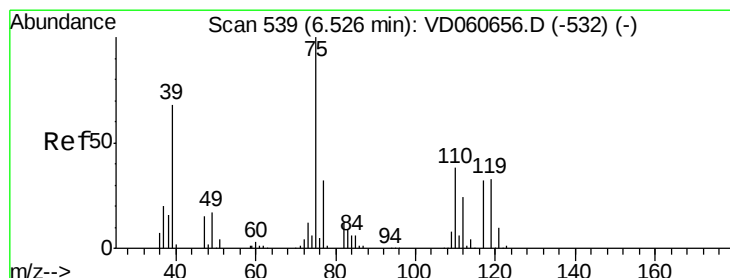
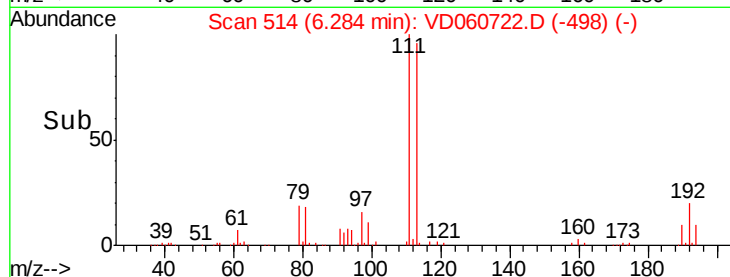
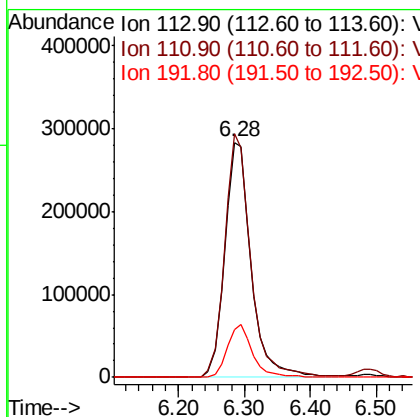
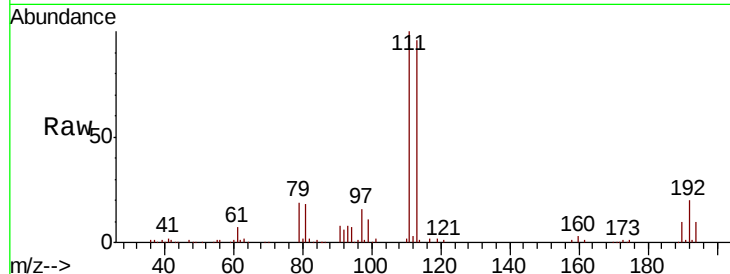
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.28 min Scan# 514
Delta R.T. -0.04 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	792268		
111	103.6	80.0	120.0	
192	20.5	16.6	25.0	

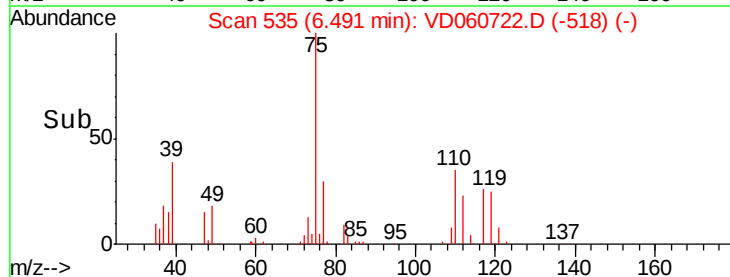
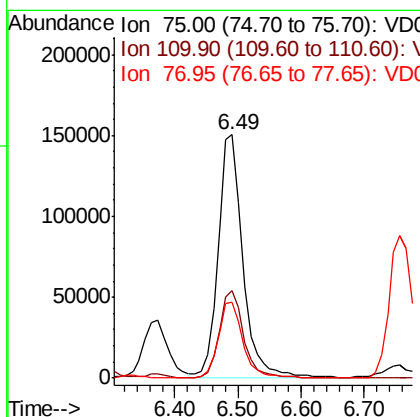
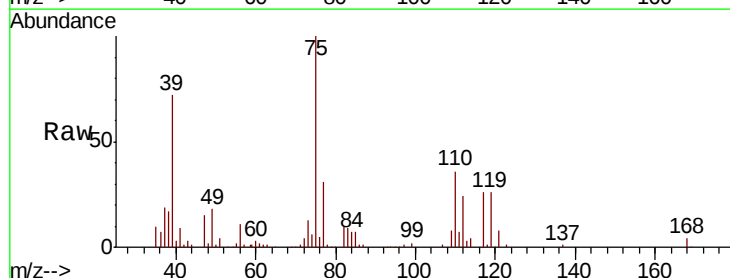
Manual Integrations
APPROVED

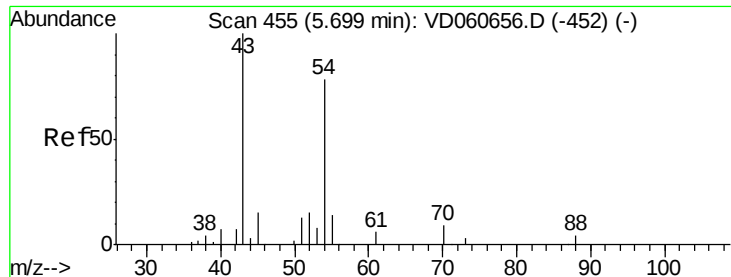
apatel
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#36
1,1-Dichloropropene
Concen: 20.030 ug/l
RT: 6.49 min Scan# 535
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	406874		
110	35.9	18.9	56.7	
77	31.2	25.4	38.0	





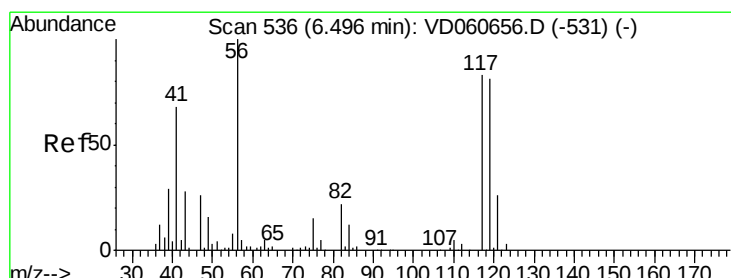
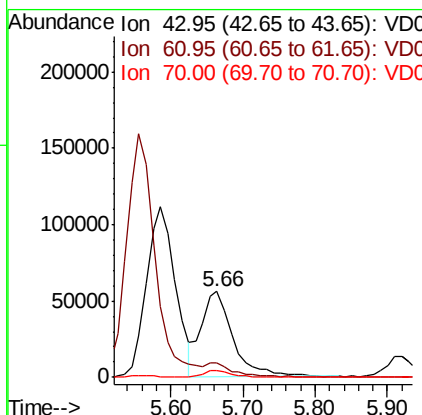
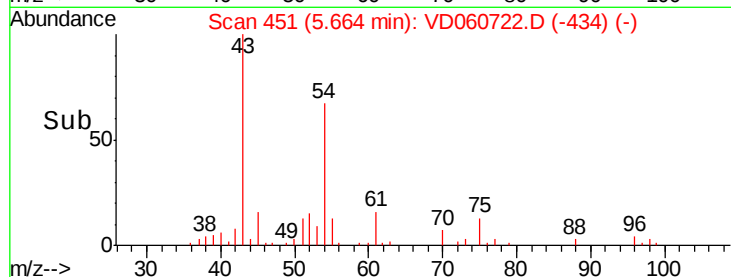
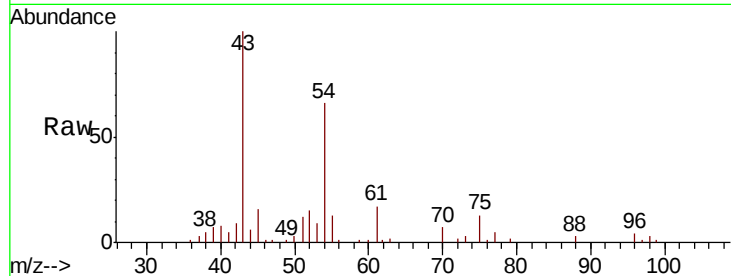
#37
Ethyl Acetate
Concen: 19.810 ug/l
RT: 5.66 min Scan# 451
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	11.8	17.6
70	7.3	5.8	8.6

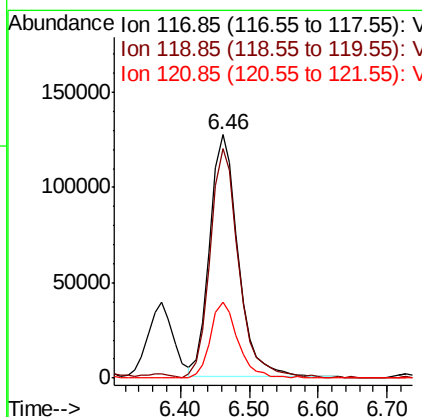
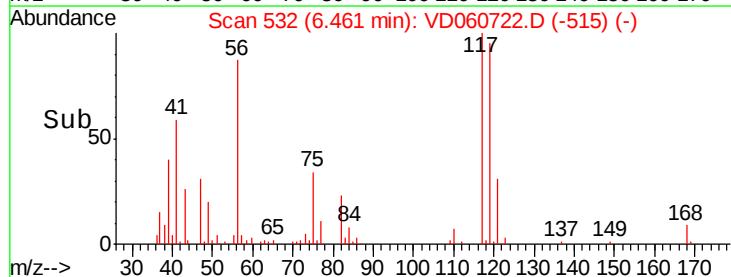
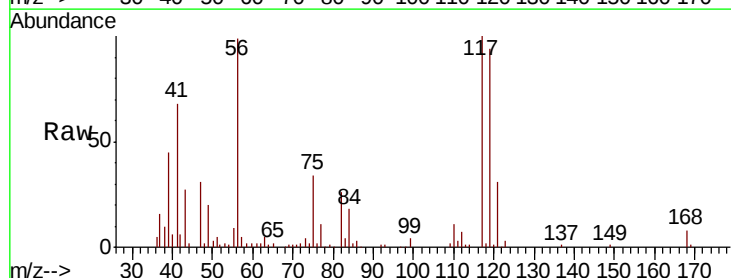
Manual Integrations
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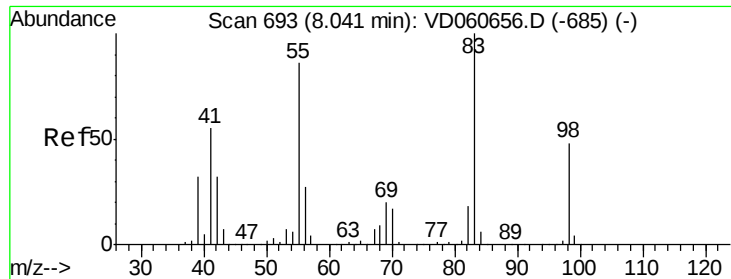
apatel
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#38
Carbon Tetrachloride
Concen: 20.390 ug/l
RT: 6.46 min Scan# 532
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.0	115.4
121	31.1	24.7	37.1





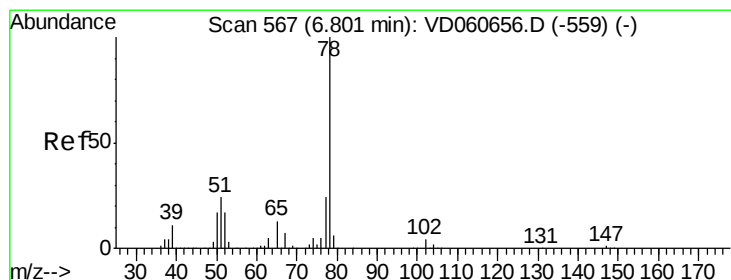
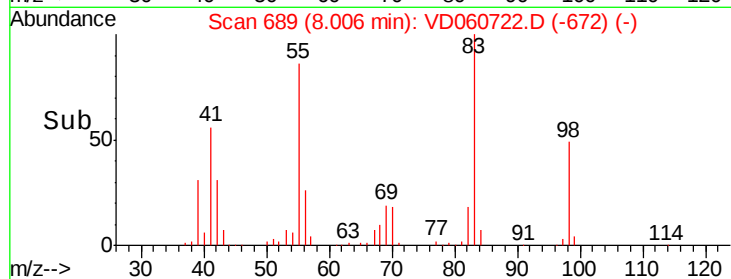
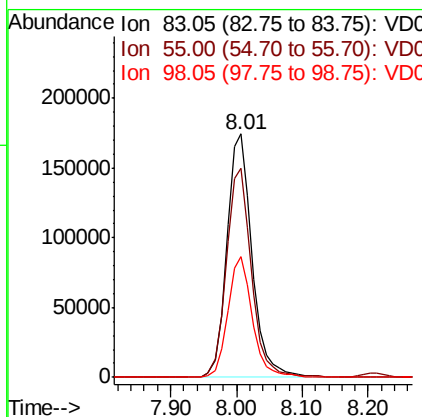
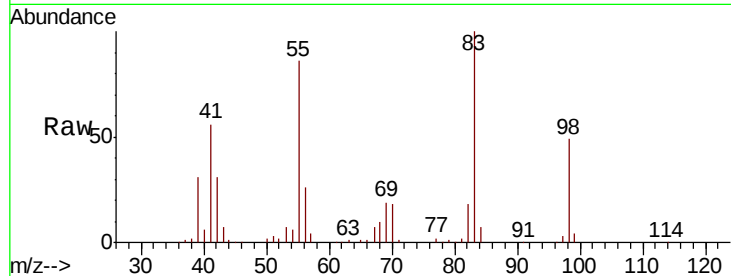
#39
Methvlcvclohexane
Concen: 20.119 ug/l
RT: 8.01 min Scan# 689
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	466085		
55	85.7	68.6	102.8	
98	49.4	38.1	57.1	

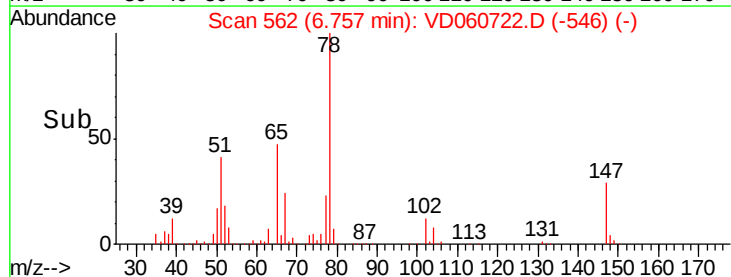
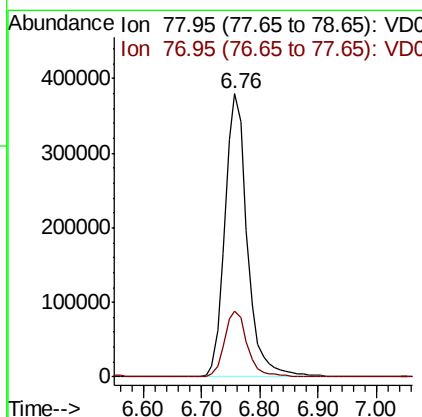
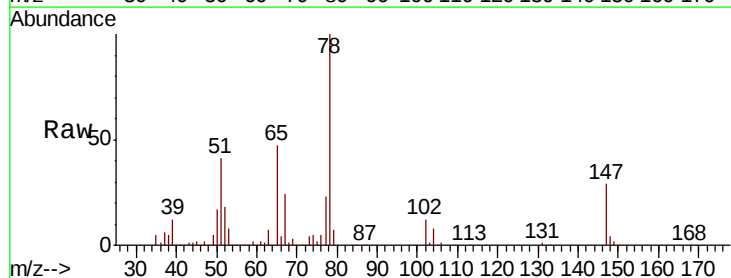
Manual Integrations
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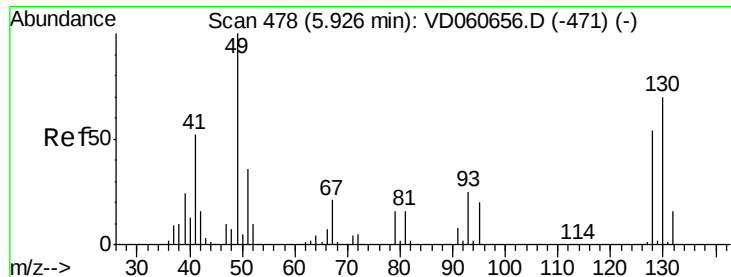
apatel
12/28/2018 9:47:05 AM



#40
Benzene
Concen: 19.356 ug/l
RT: 6.76 min Scan# 562
Delta R.T. -0.04 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1015585		
77	23.2	19.2	28.8	





#41

Methacrylonitrile

Concen: 21.722 ug/l m

RT: 5.90 min Scan# 475

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 41 Resp: 102075

Ion Ratio Lower Upper

41 100

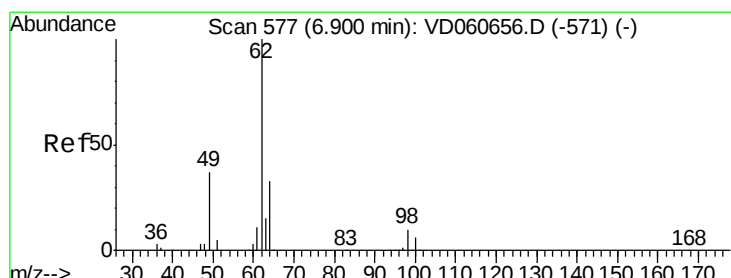
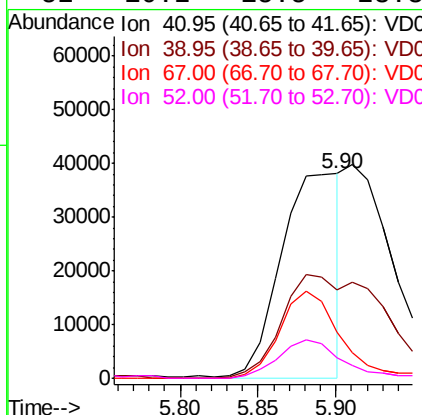
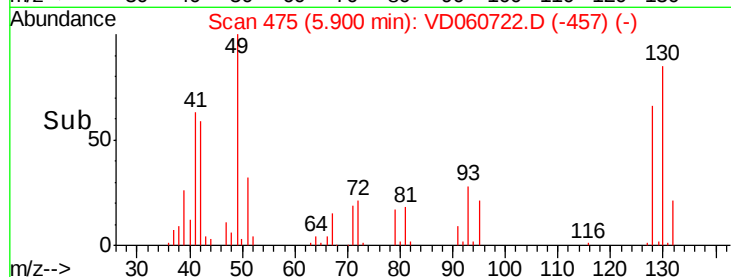
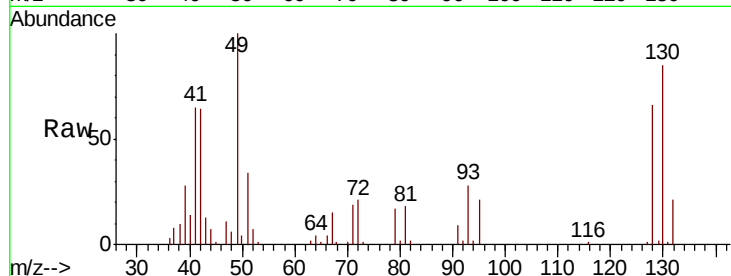
39 43.1 37.6 56.4

67 22.5 33.0 49.6#

52 10.2 15.5 23.3#

Manual Integrations
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apatel
12/28/2018 9:47:05 AM



#42

1,2-Dichloroethane

Concen: 19.610 ug/l

RT: 6.86 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD060722.D

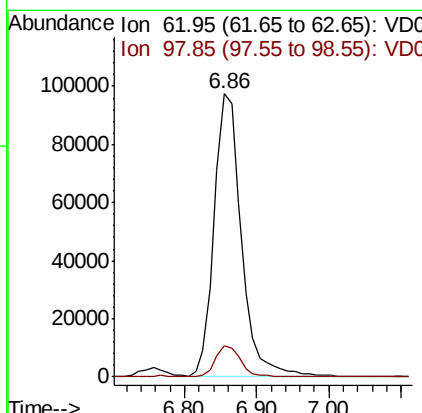
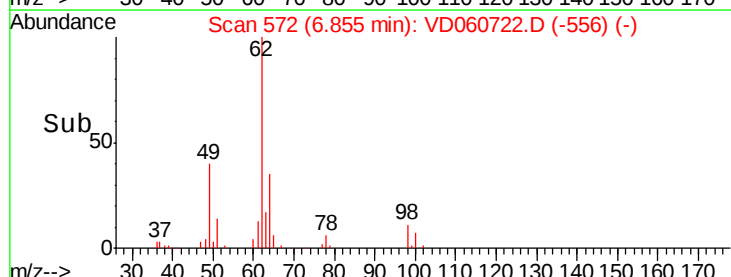
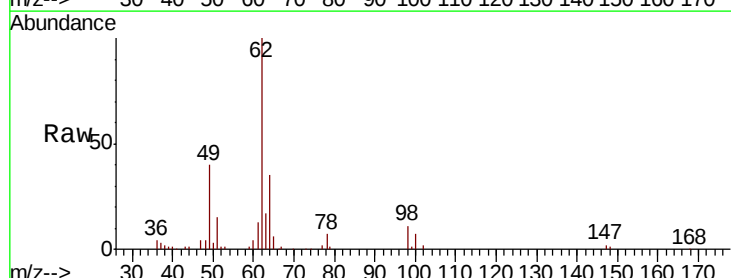
Acq: 27 Dec 2018 13:15

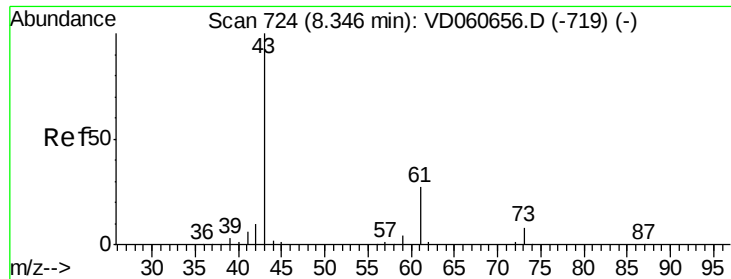
Tgt Ion: 62 Resp: 255332

Ion Ratio Lower Upper

62 100

98 11.0 0.0 20.4





#43

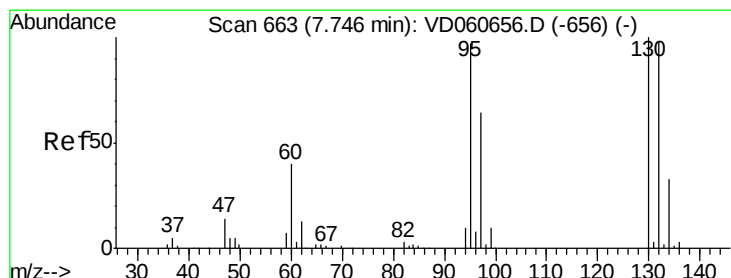
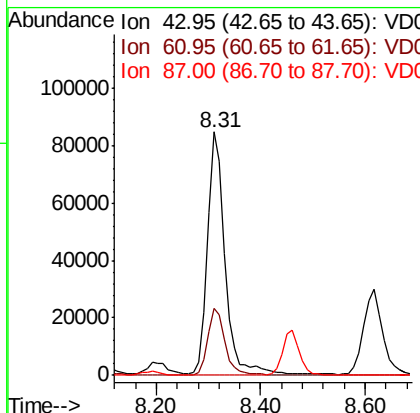
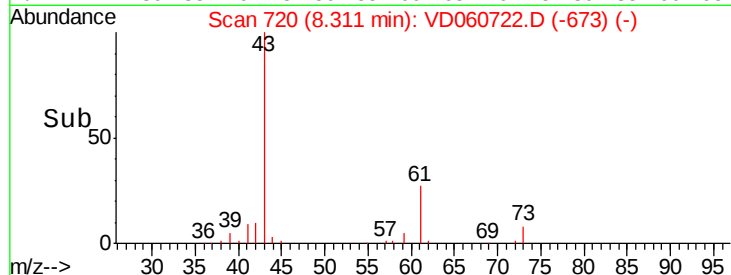
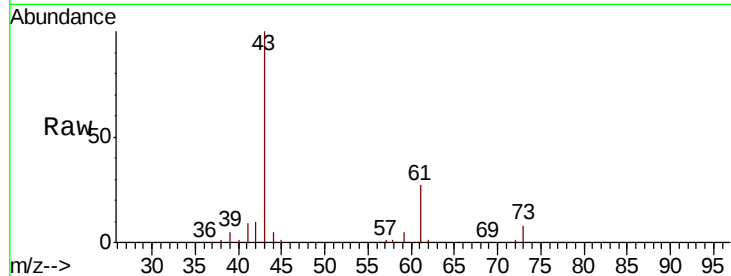
Isopropyl Acetate
 Concen: 18.512 ug/l
 RT: 8.31 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.8	32.8
87	0.0	0.2	0.4

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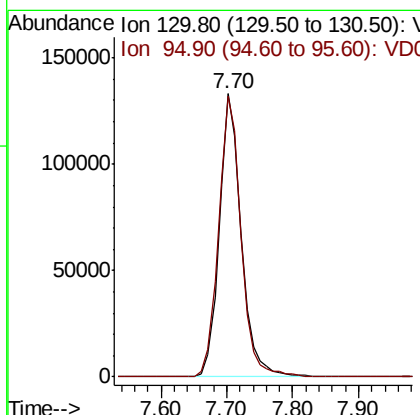
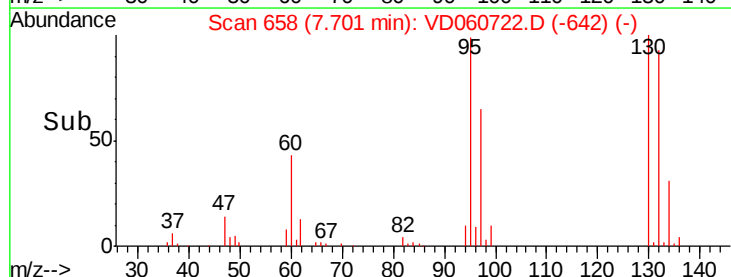
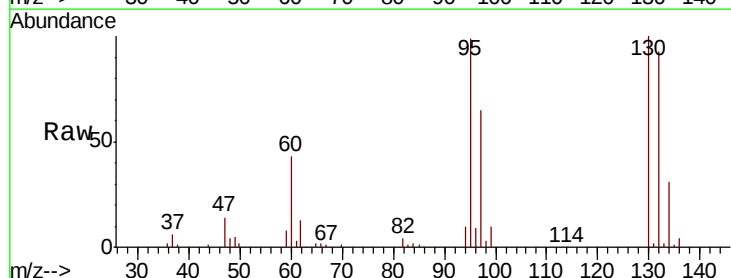
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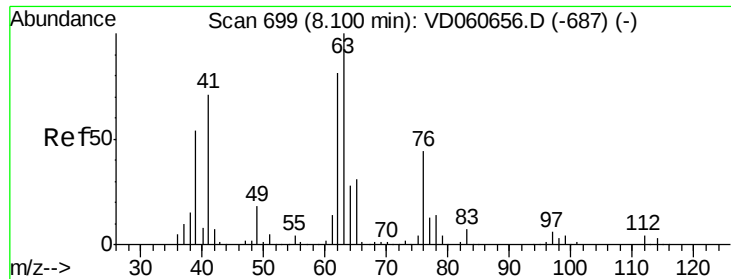


#44

Trichloroethene
 Concen: 19.885 ug/l
 RT: 7.70 min Scan# 658
 Delta R.T. -0.04 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	193.6





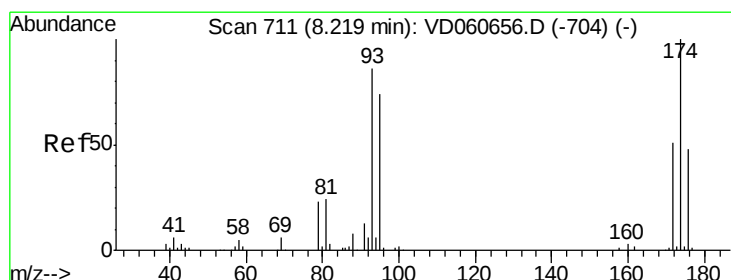
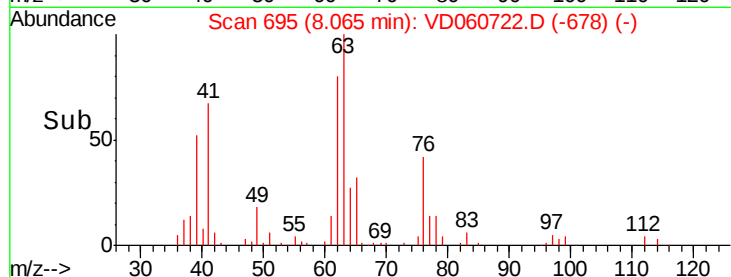
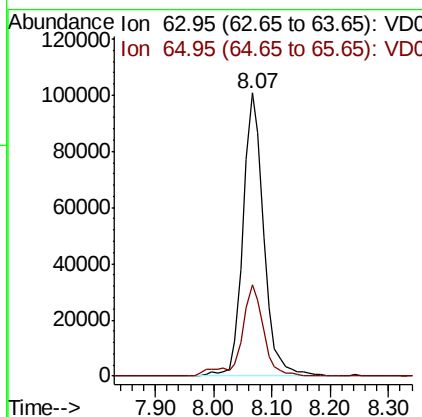
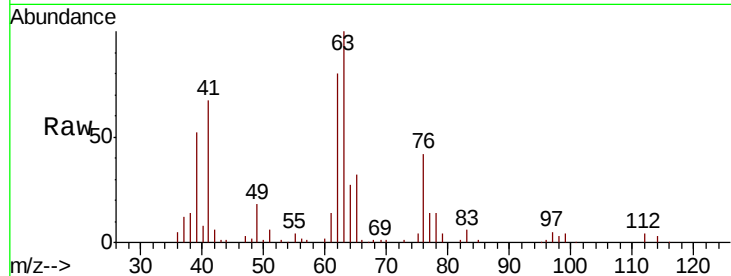
#45
 1,2-Dichloropropane
 Concen: 19.452 ug/l
 RT: 8.07 min Scan# 695
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.0	37.6

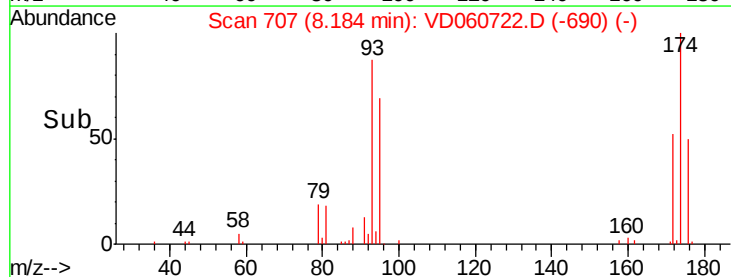
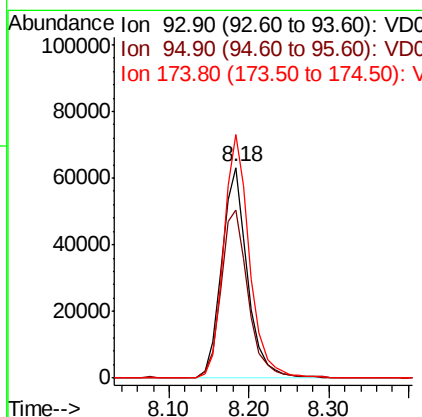
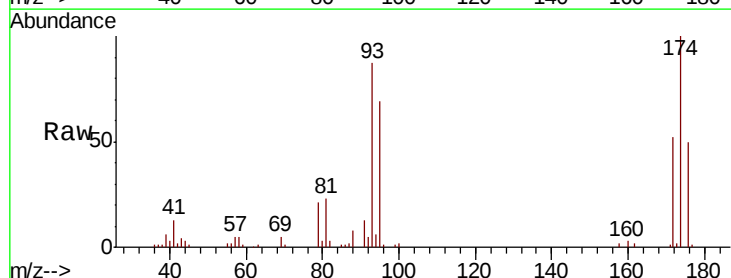
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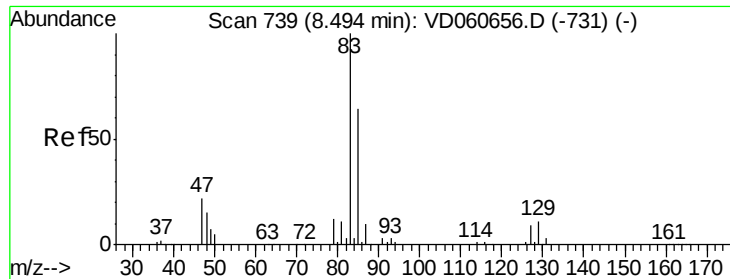
apatel
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#46
 Dibromomethane
 Concen: 19.521 ug/l
 RT: 8.18 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.7	68.8	103.2
174	115.5	93.0	139.4





#47

Bromodichloromethane

Concen: 19.894 ug/l

RT: 8.45 min Scan# 734

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

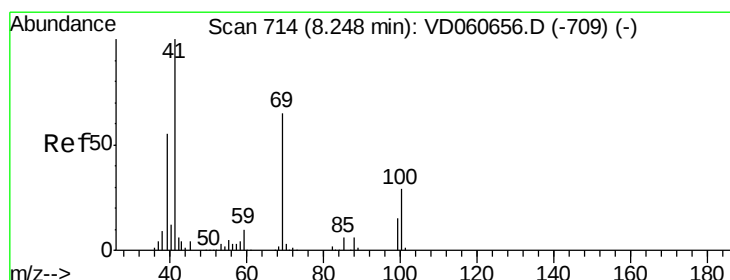
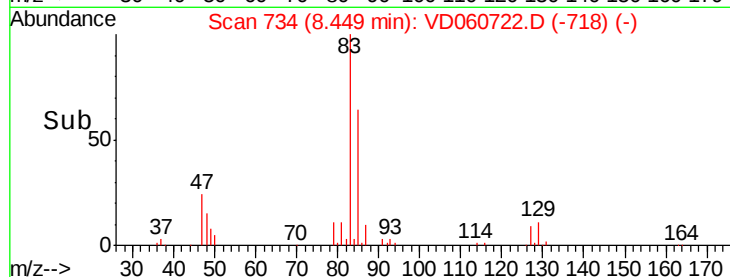
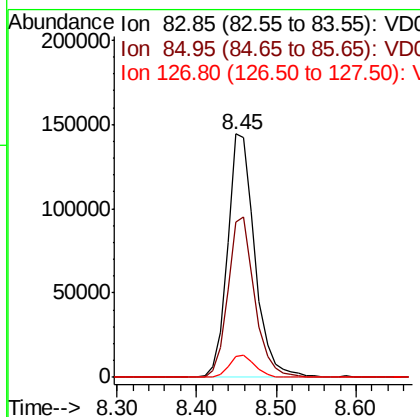
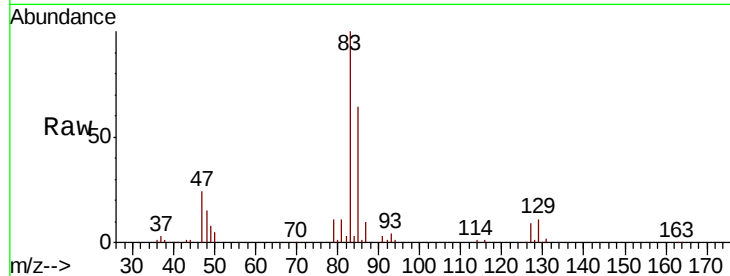
ClientSampleId :

VD1227SBS01

Tot Ion:	83	Resp:	346046
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.1	76.7
127	8.7	7.0	10.6

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#48

Methyl methacrylate

Concen: 19.365 ug/l

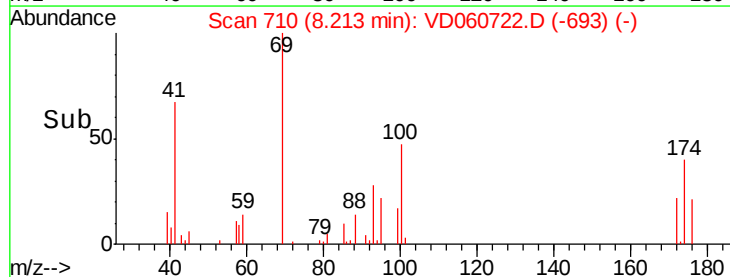
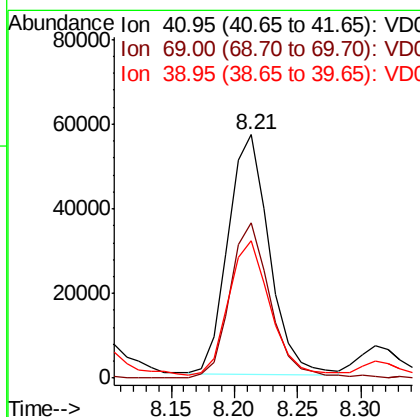
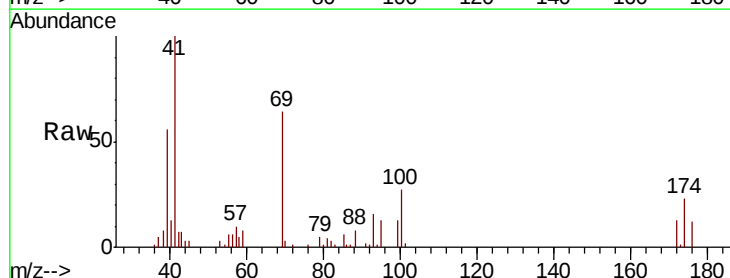
RT: 8.21 min Scan# 710

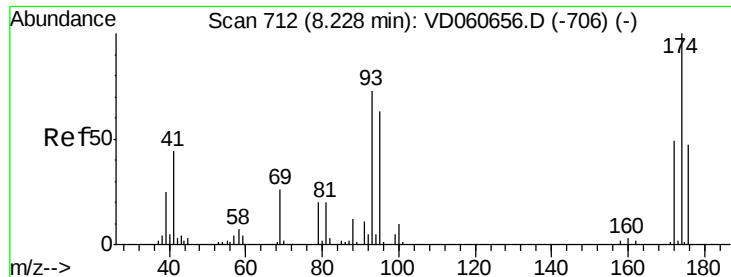
Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Tgt Ion:	41	Resp:	128223
Ion Ratio	Lower	Upper	
41	100		
69	63.6	51.2	76.8
39	56.4	44.6	67.0





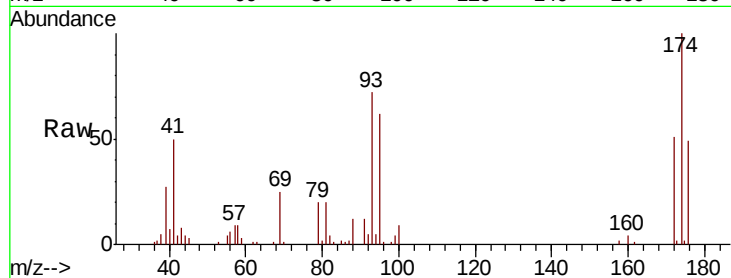
#49
1,4-Dioxane
Concen: 380.278 ug/l
RT: 8.19 min Scan# 708
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

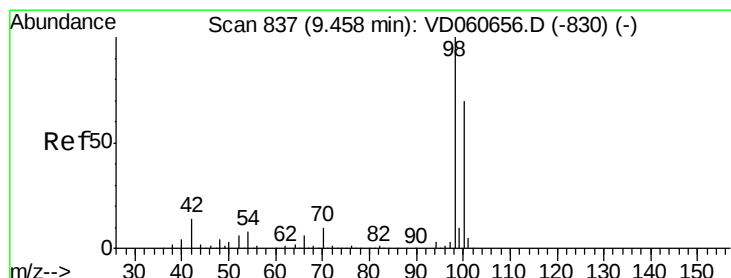
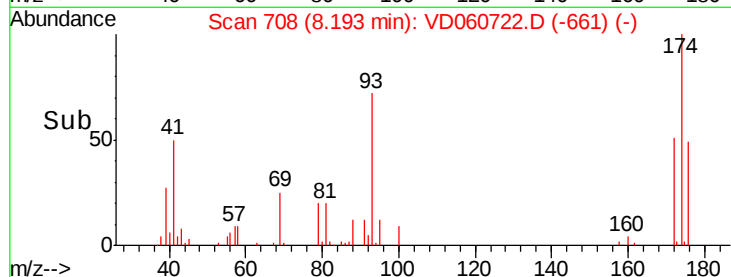
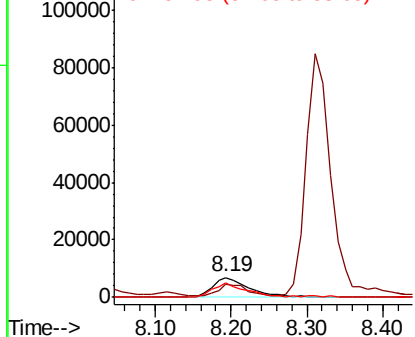
Tot Ion	Ratio	Lower	Upper
88	100		
43	65.2	31.5	47.3#
58	69.8	50.6	76.0

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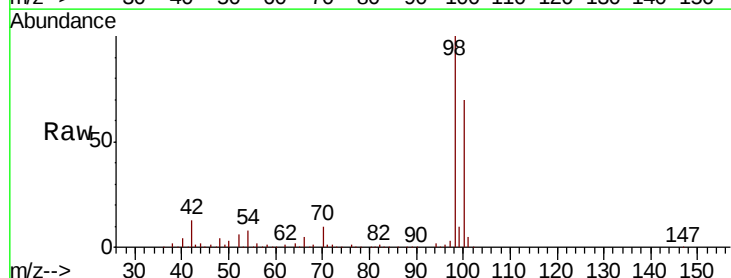


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

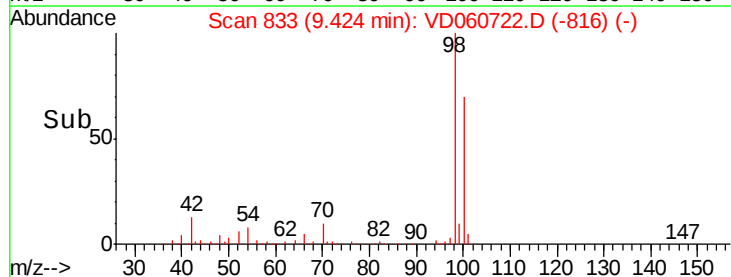
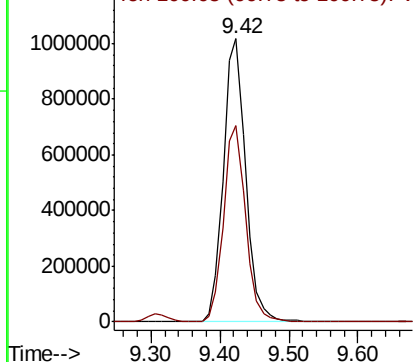


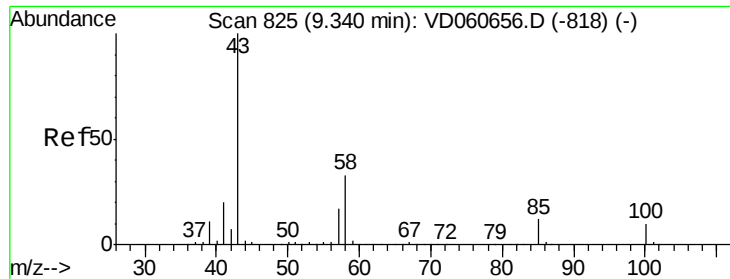
#50
Toluene-d8
Concen: 380.278 ug/l
RT: 9.42 min Scan# 833
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.6	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: 97.857 ug/l

RT: 9.31 min Scan# 821

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 43 Resp: 653617

Ion Ratio Lower Upper

43 100

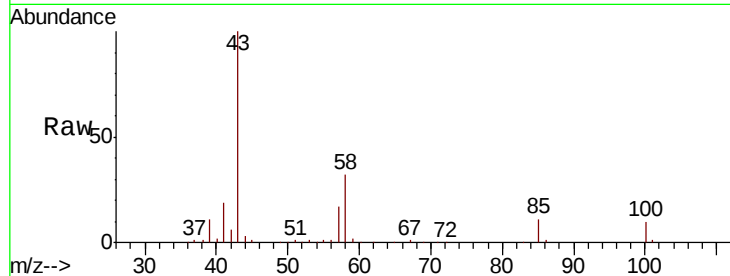
58 32.2 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.31

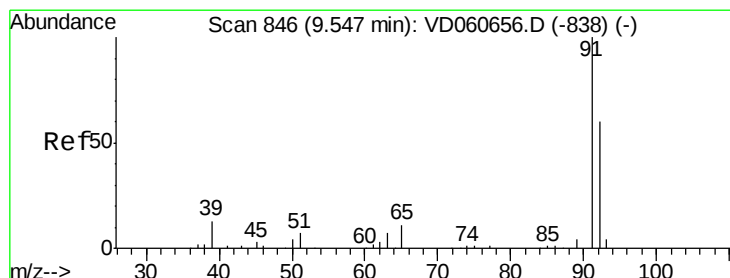
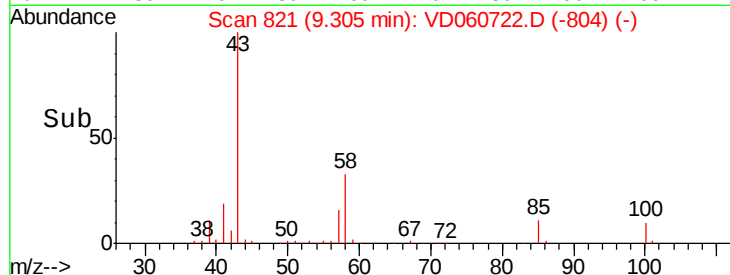
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.022 ug/l

RT: 9.51 min Scan# 842

Delta R.T. -0.03 min

Lab File: VD060722.D

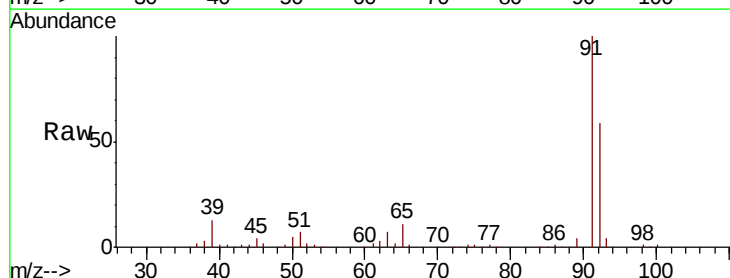
Acq: 27 Dec 2018 13:15

Tgt Ion: 92 Resp: 658583

Ion Ratio Lower Upper

92 100

91 168.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.51

500000

400000

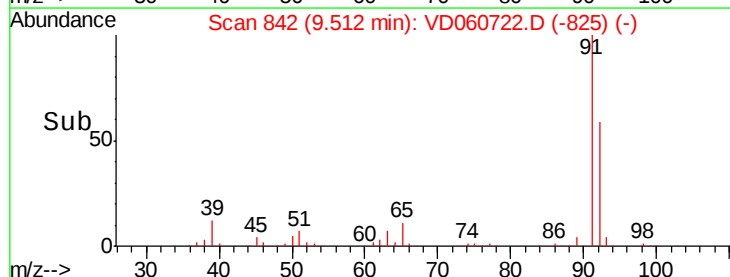
300000

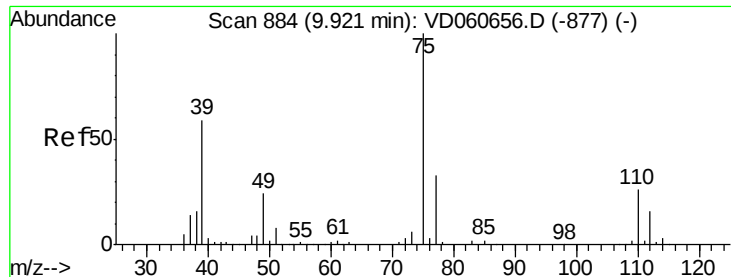
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.379 ug/l

RT: 9.89 min Scan# 880

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 75 Resp: 281221

Ion Ratio Lower Upper

75 100

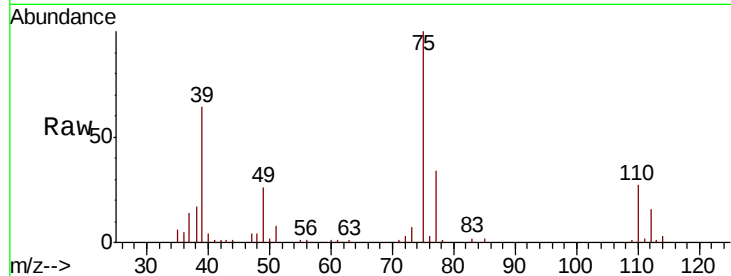
77 33.7 26.0 39.0

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.89

150000

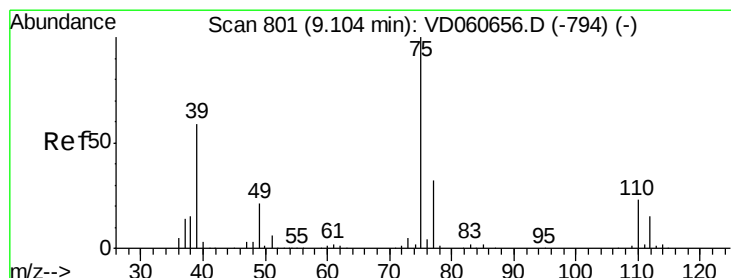
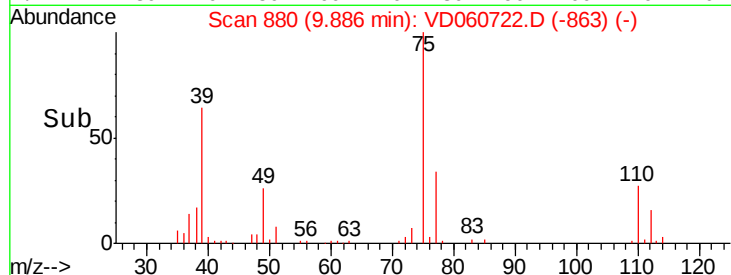
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.676 ug/l

RT: 9.07 min Scan# 797

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

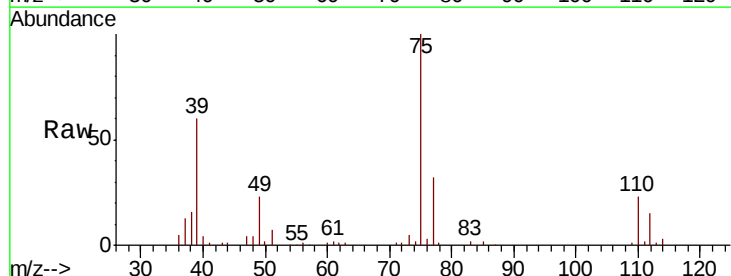
Tgt Ion: 75 Resp: 373734

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 59.9 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

9.07

200000

150000

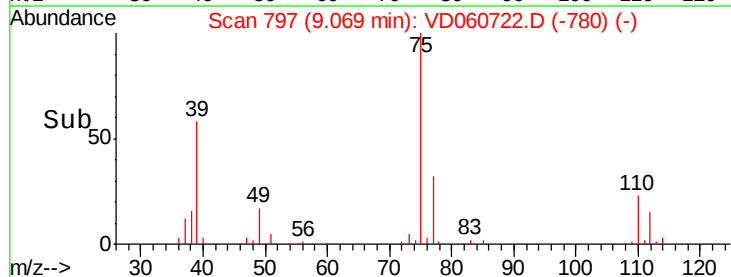
100000

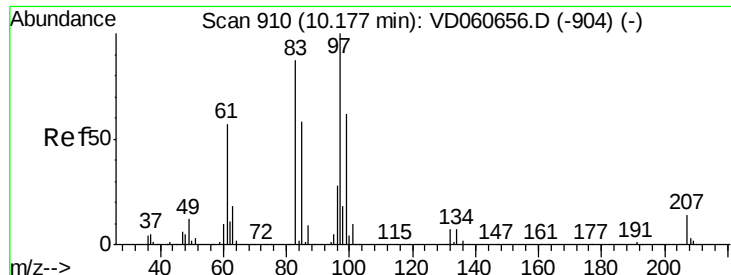
50000

0

9.00 9.10 9.20

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.484 ug/l

RT: 10.15 min Scan# 907

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 97 Resp: 181289

Ion Ratio Lower Upper

97 100

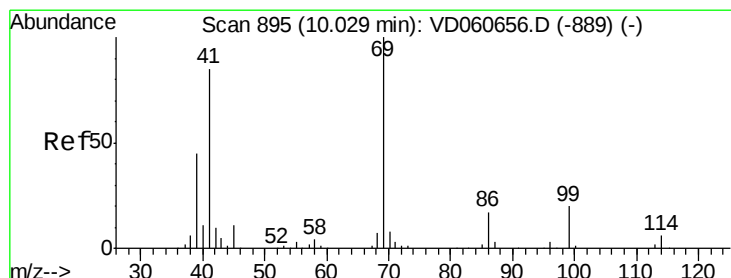
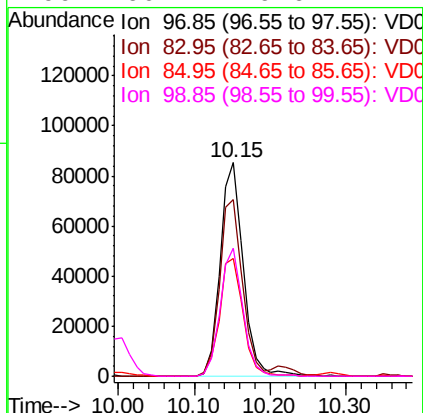
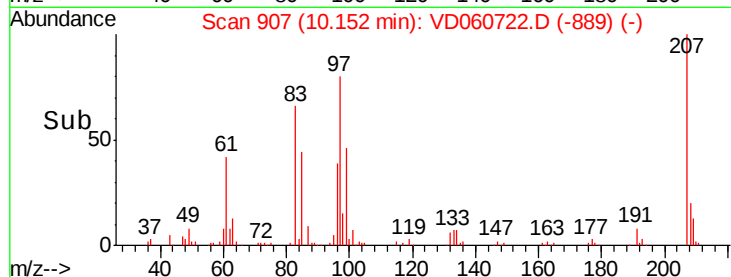
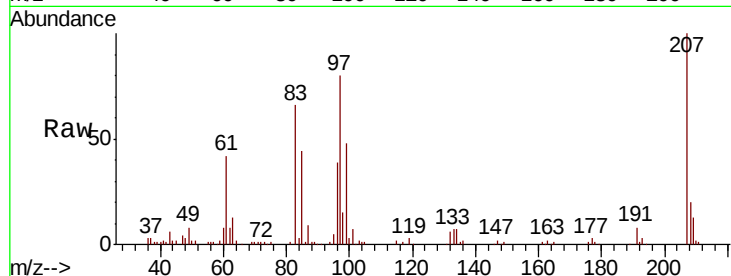
83 82.6 70.0 105.0

85 54.9 46.6 70.0

99 60.1 49.6 74.4

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#56

Ethyl methacrylate

Concen: 18.402 ug/l

RT: 9.99 min Scan# 891

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

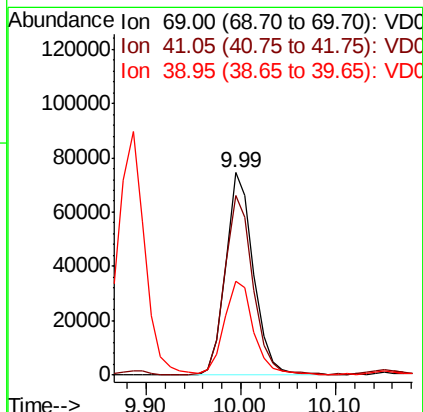
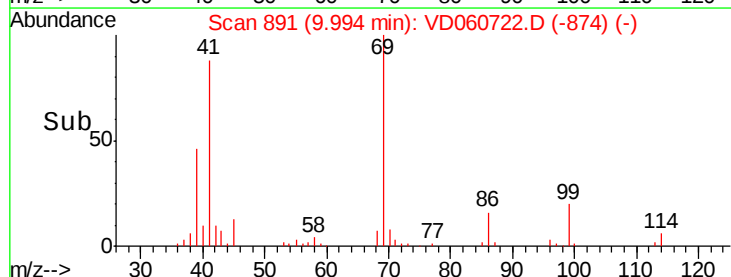
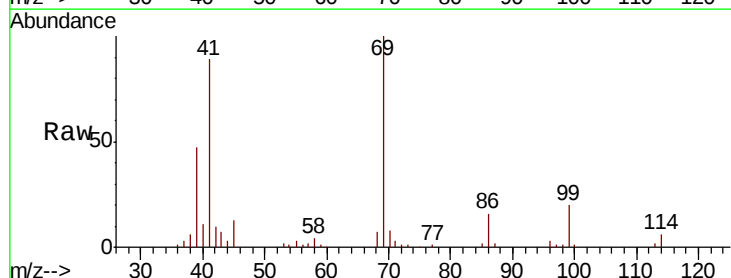
Tgt Ion: 69 Resp: 151264

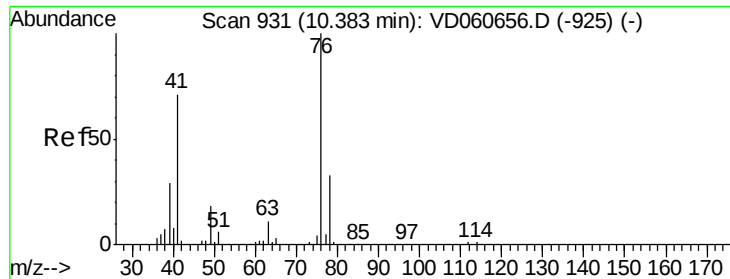
Ion Ratio Lower Upper

69 100

41 88.6 68.3 102.5

39 46.6 37.2 55.8





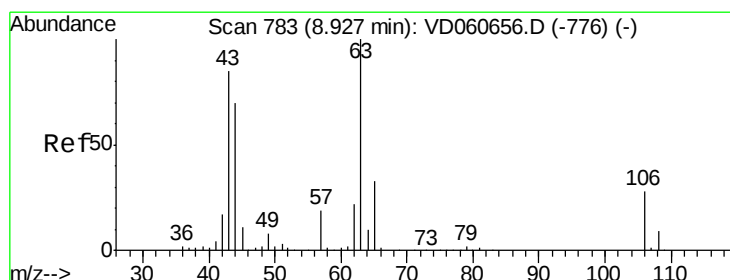
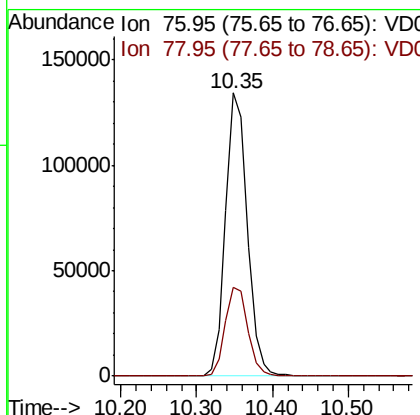
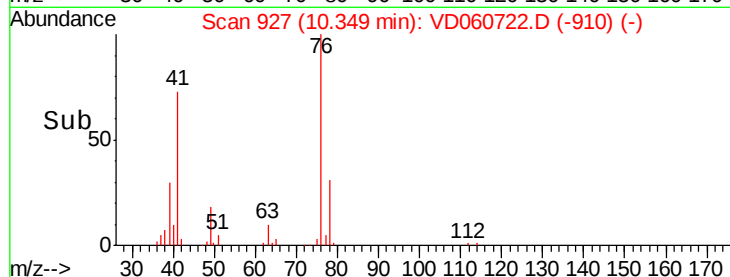
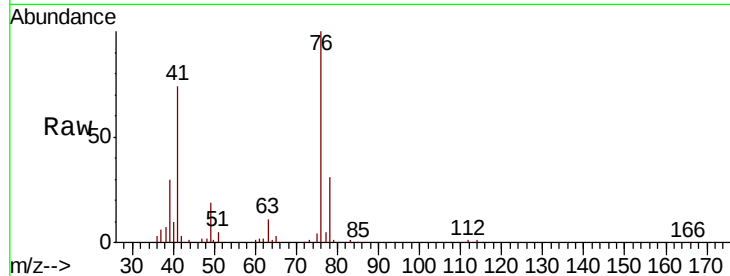
#57
 1,3-Dichloropropane
 Concen: 19.066 ug/l
 RT: 10.35 min Scan# 927
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion: 76 Resp: 267449
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.1 39.1

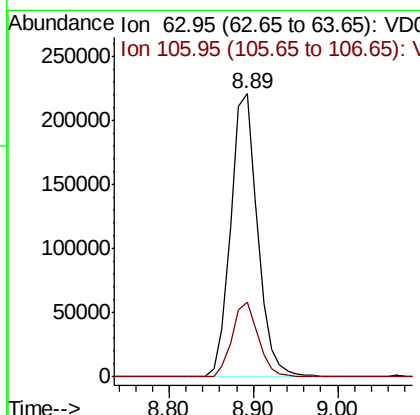
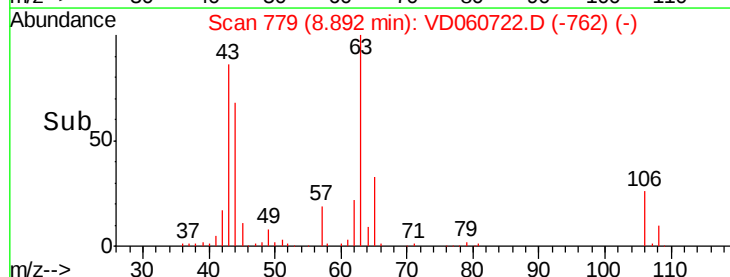
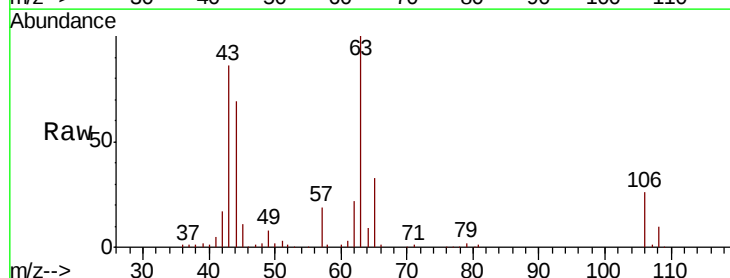
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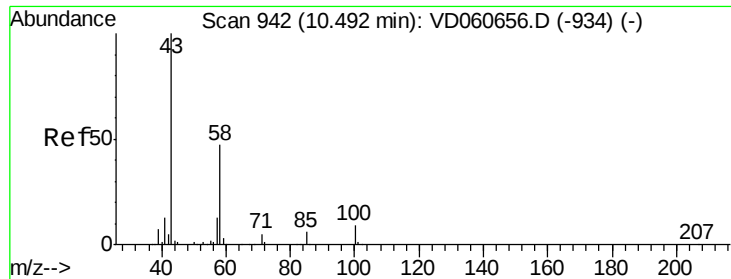
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.557 ug/l
 RT: 8.89 min Scan# 779
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 63 Resp: 491896
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.4 33.6





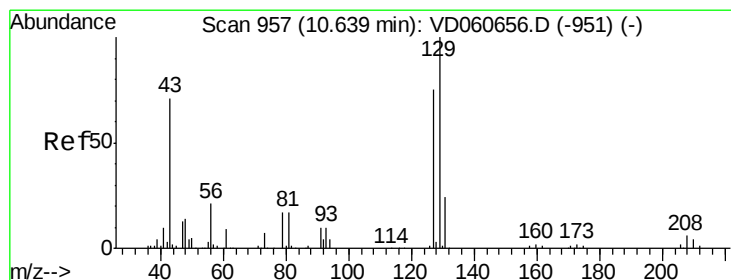
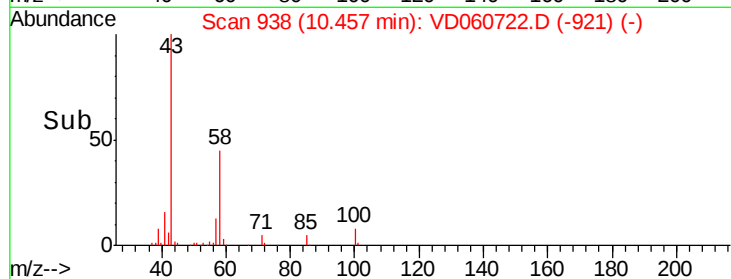
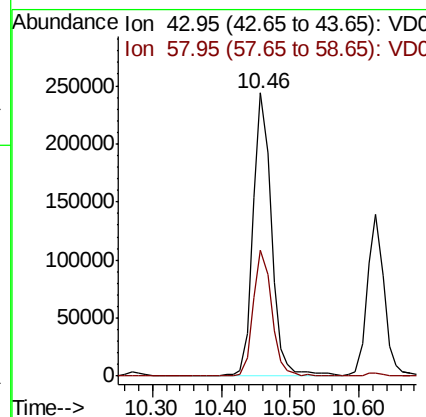
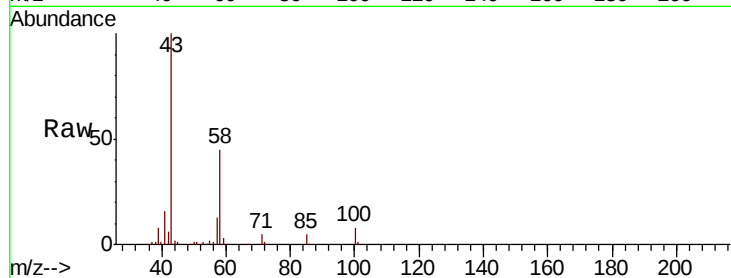
#59
2-Hexanone
Concen: 97.145 ug/l
RT: 10.46 min Scan# 938
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.6	23.5	70.5

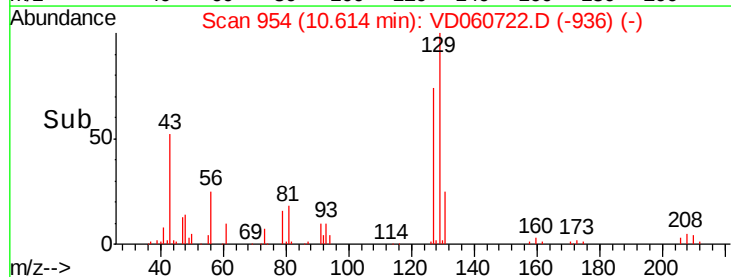
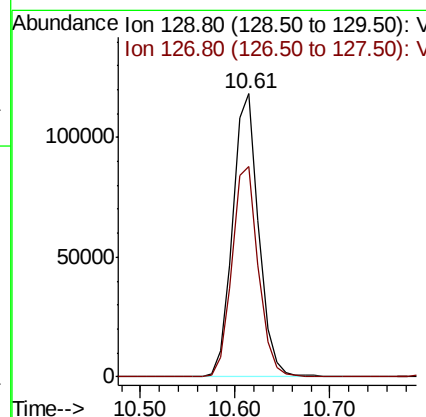
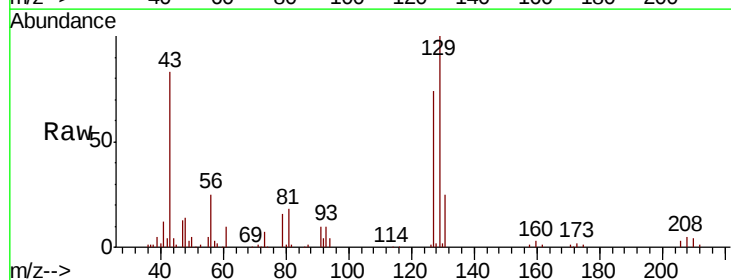
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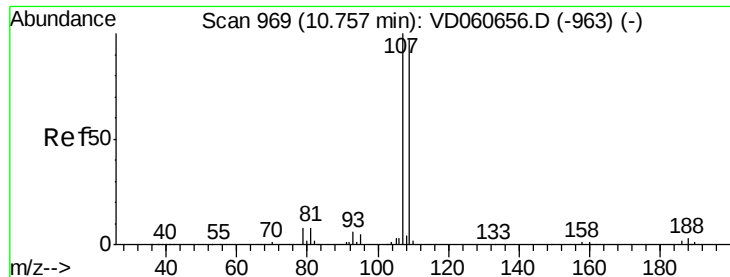
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#60
Dibromochloromethane
Concen: 19.926 ug/l
RT: 10.61 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.5	37.6	112.9





#61

1,2-Dibromoethane

Concen: 14.984 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 107 Resp: 137552

Ion Ratio Lower Upper

107 100

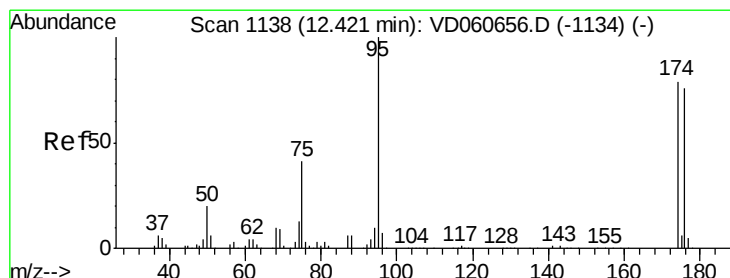
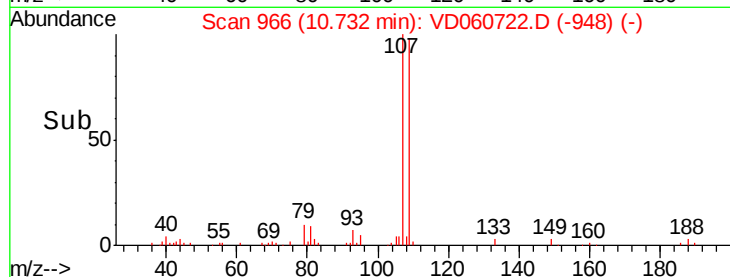
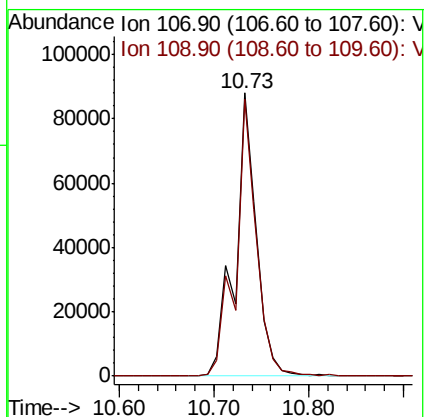
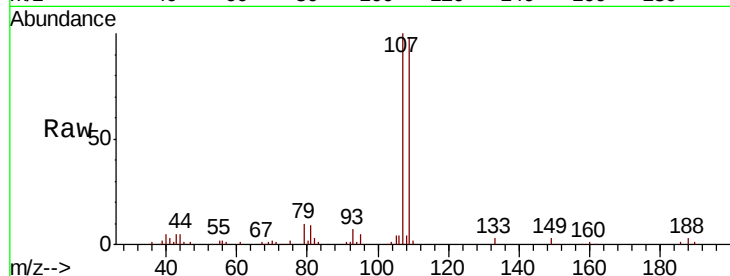
109 97.7 78.0 117.0

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#62

4-Bromofluorobenzene

Concen: 14.984 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

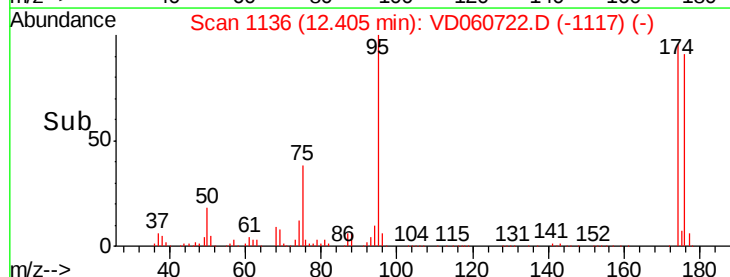
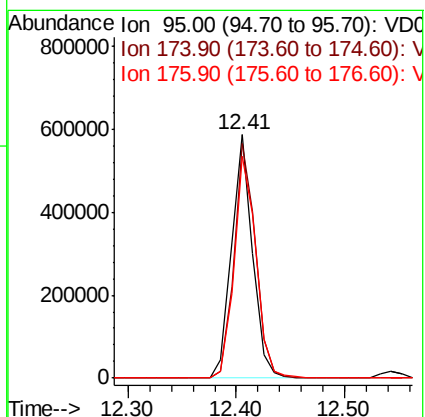
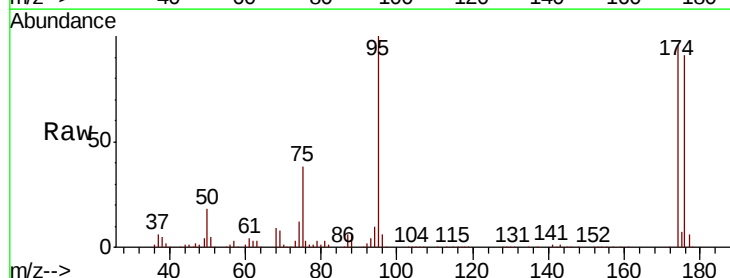
Tgt Ion: 95 Resp: 791727

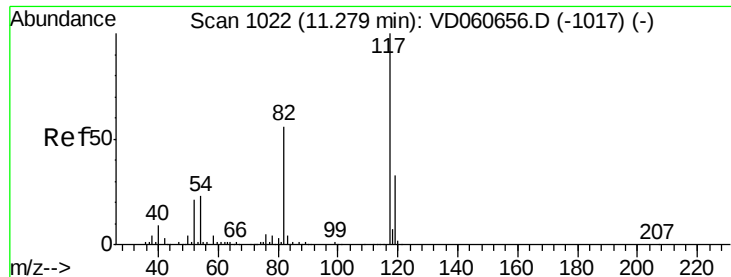
Ion Ratio Lower Upper

95 100

174 96.1 0.0 158.2

176 90.9 0.0 152.4





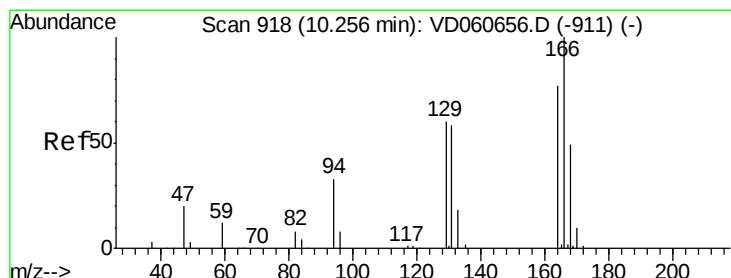
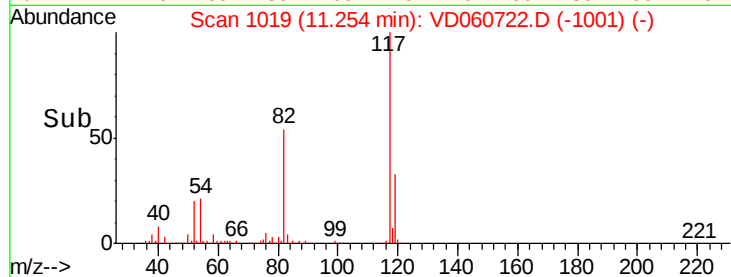
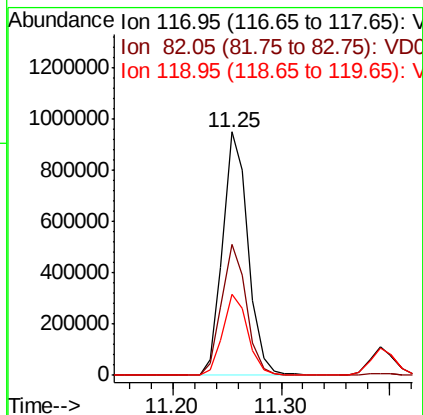
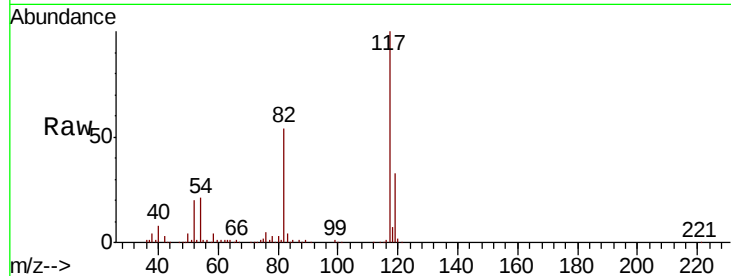
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion:117 Resp: 1550634
Ion Ratio Lower Upper
117 100
82 54.0 44.5 66.7
119 33.1 26.3 39.5

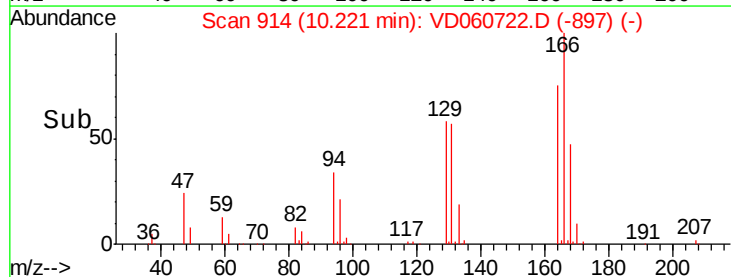
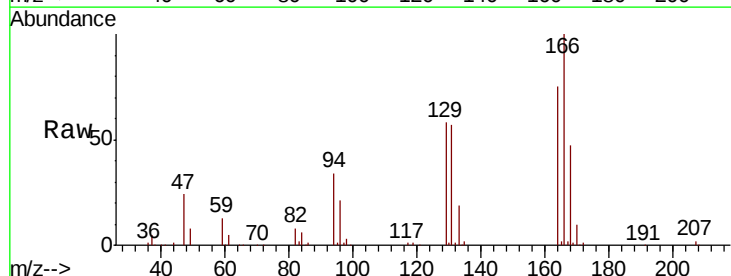
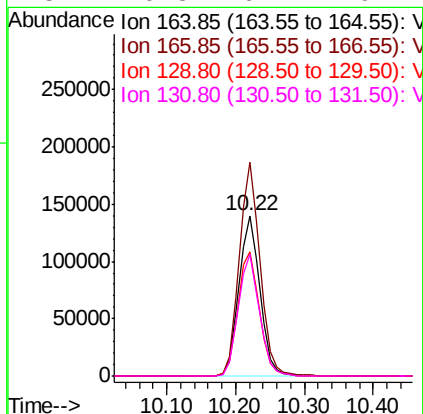
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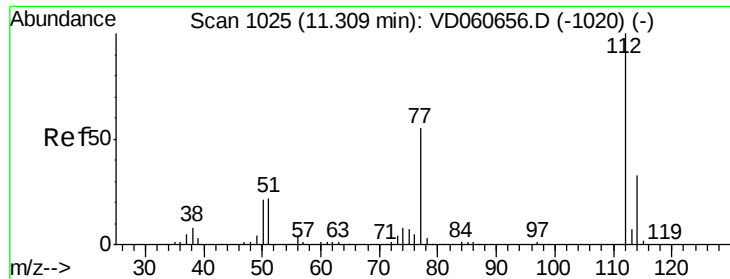
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#64
Tetrachloroethene
Concen: 21.089 ug/l
RT: 10.22 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion:164 Resp: 296398
Ion Ratio Lower Upper
164 100
166 133.4 104.4 156.6
129 77.3 62.7 94.1
131 76.3 61.1 91.7





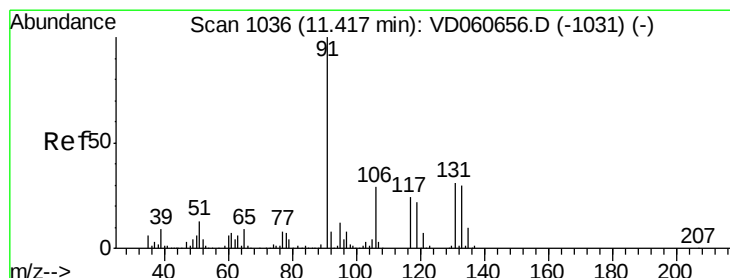
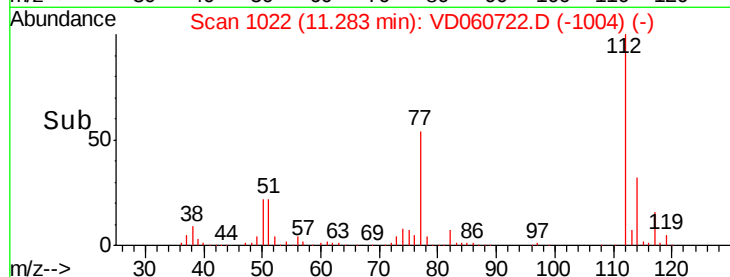
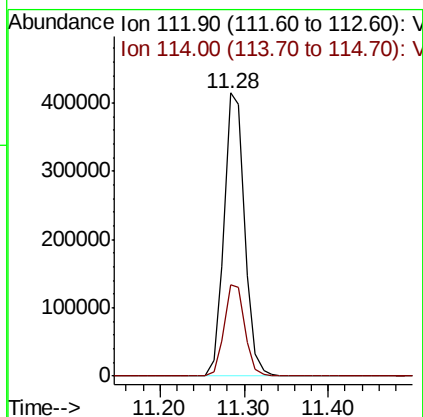
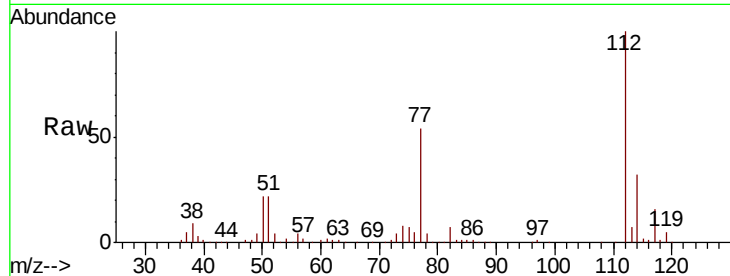
#65
Chlorobenzene
Concen: 20.600 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion:112 Resp: 705746
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1

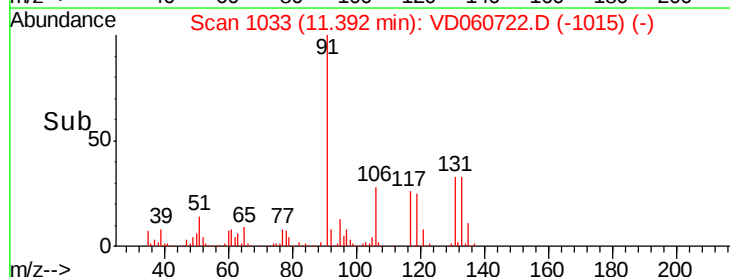
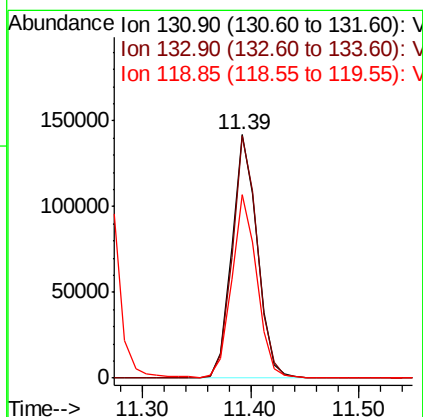
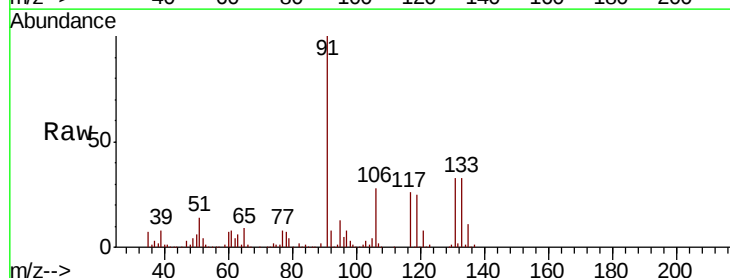
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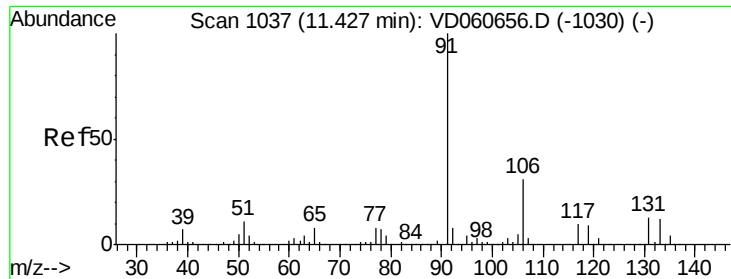
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.007 ug/l
RT: 11.39 min Scan# 1033
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion:131 Resp: 231402
Ion Ratio Lower Upper
131 100
133 99.6 49.1 147.3
119 75.2 36.6 109.8





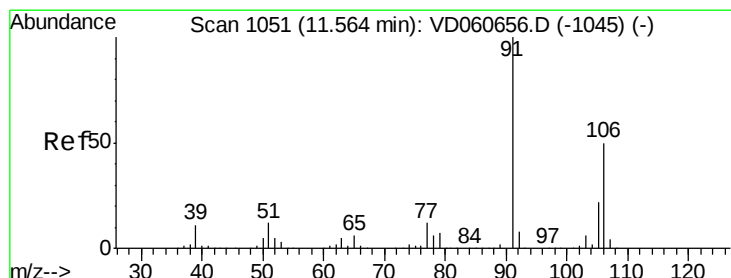
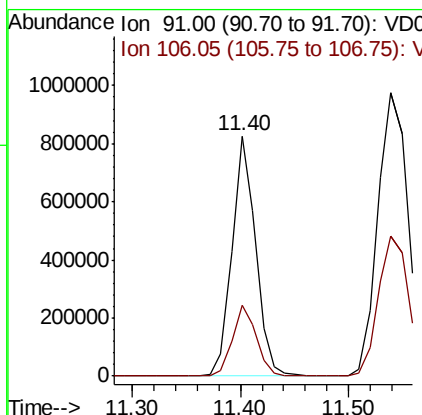
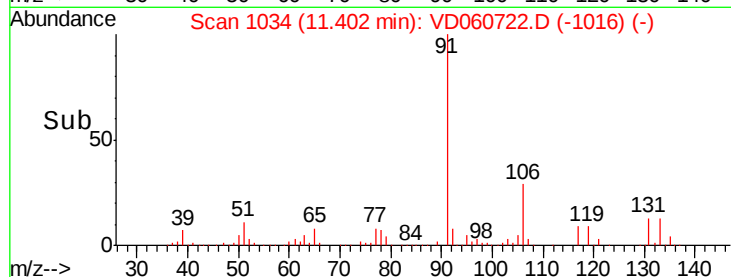
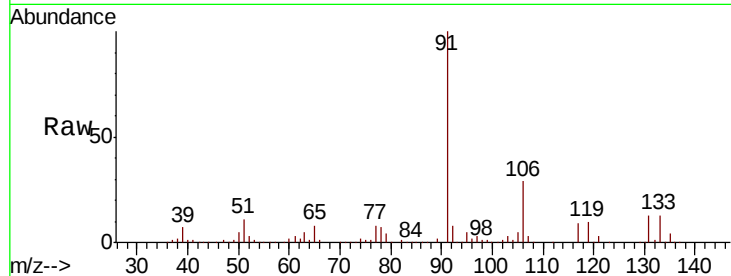
#67
Ethyl Benzene
Concen: 21.364 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleID :
VD1227SBS01

Tot Ion: 91 Resp: 1253492
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8

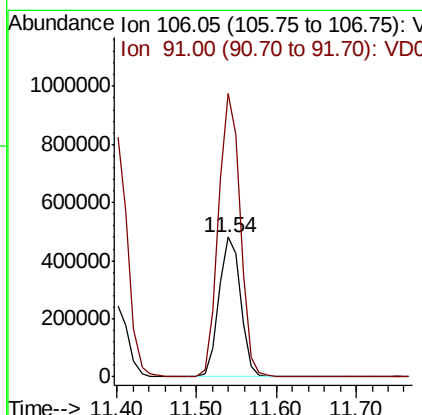
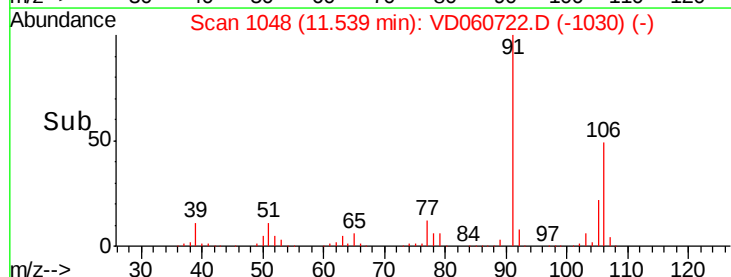
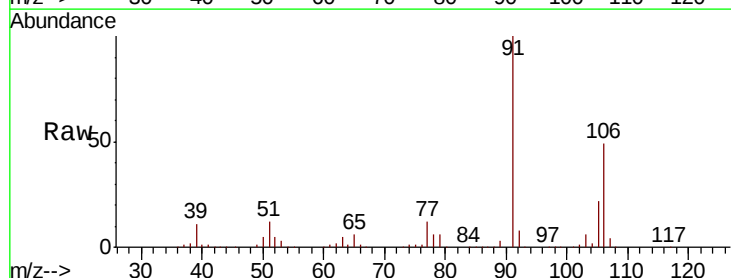
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#68
m/p-Xylenes
Concen: 43.399 ug/l
RT: 11.54 min Scan# 1048
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 106 Resp: 930553
Ion Ratio Lower Upper
106 100
91 202.6 158.9 238.3





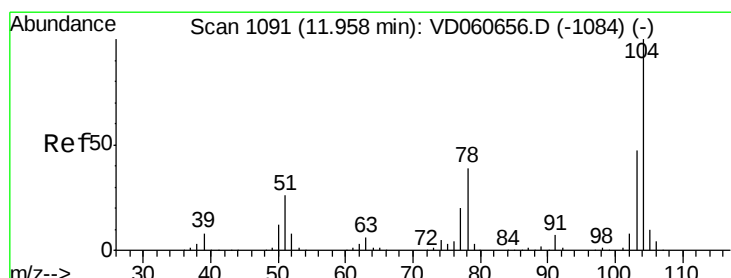
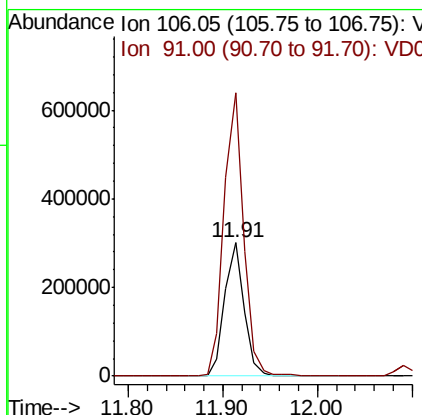
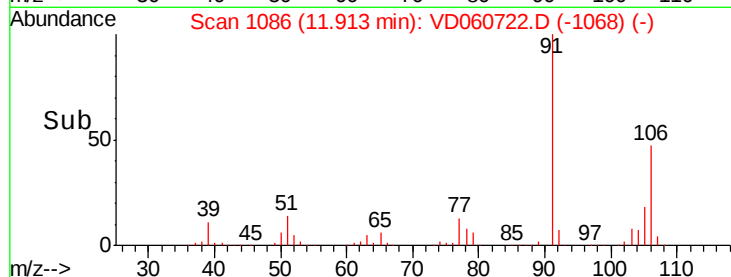
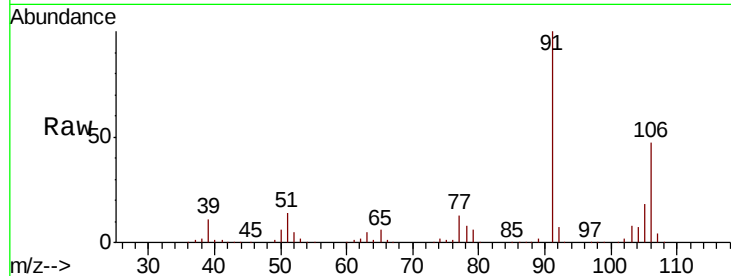
#69
o-Xylene
Concen: 21.069 ug/l
RT: 11.91 min Scan# 1086
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion:106 Resp: 428601
Ion Ratio Lower Upper
106 100
91 212.0 101.5 304.5

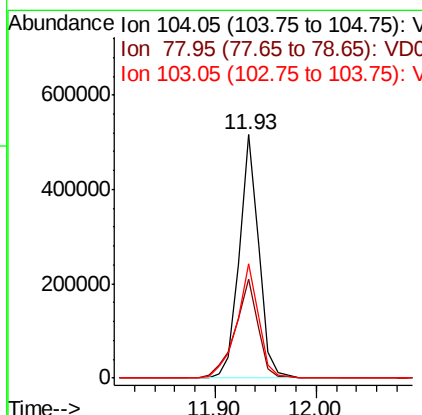
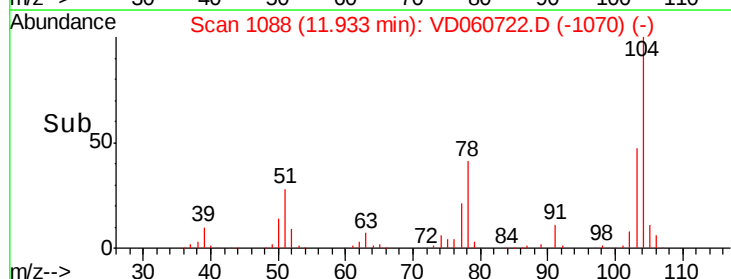
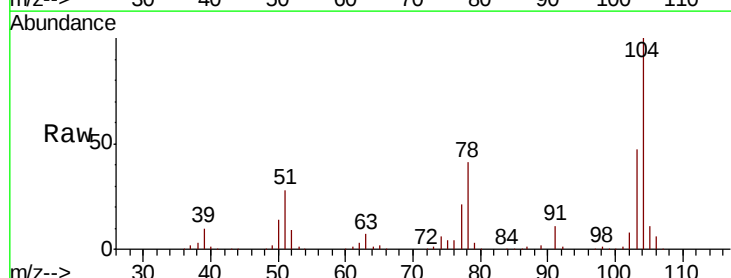
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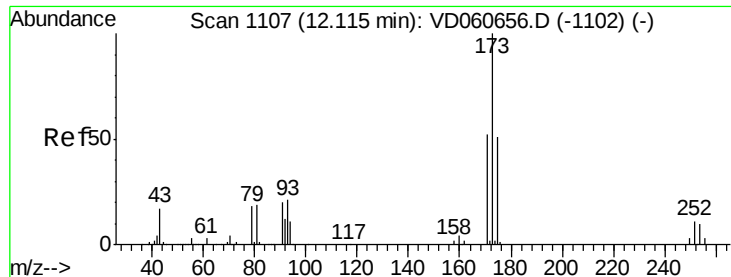
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#70
Styrene
Concen: 21.153 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion:104 Resp: 693057
Ion Ratio Lower Upper
104 100
78 40.8 31.4 47.2
103 46.8 37.5 56.3





#71

Bromoform

Concen: 19.993 ug/l

RT: 12.09 min Scan# 1104

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

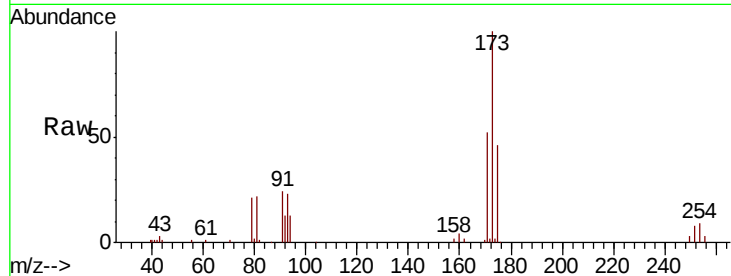
ClientSampleId :

VD1227SBS01

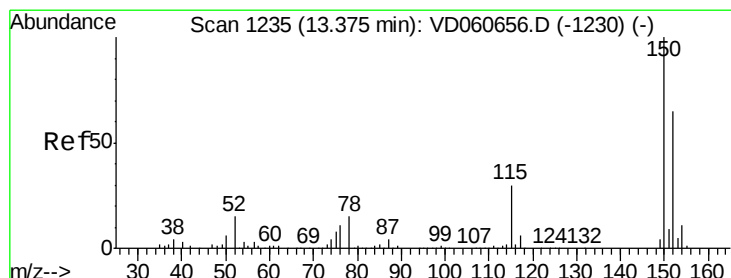
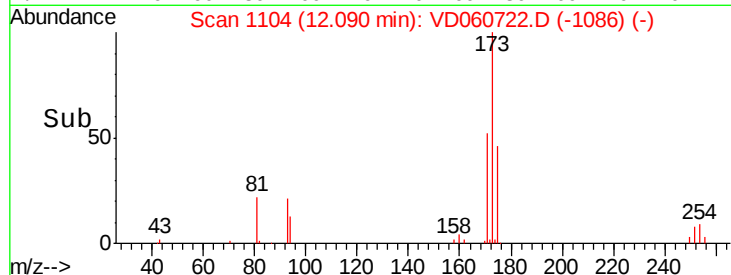
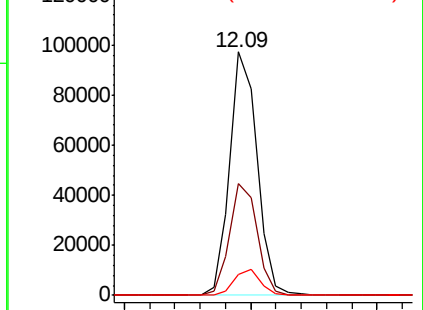
Tot Ion:	173	Resp:	145373
Ion Ratio	Lower	Upper	
173	100		
175	46.1	25.5	76.5
254	8.8	7.9	11.9

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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

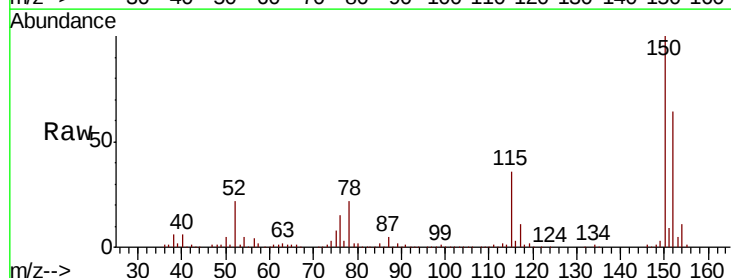
RT: 13.35 min Scan# 1232

Delta R.T. -0.03 min

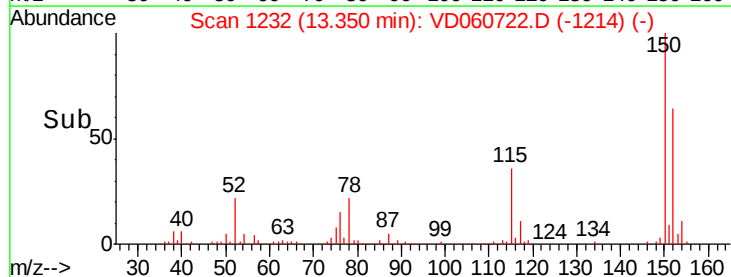
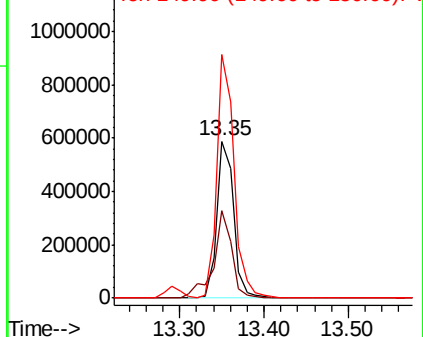
Lab File: VD060722.D

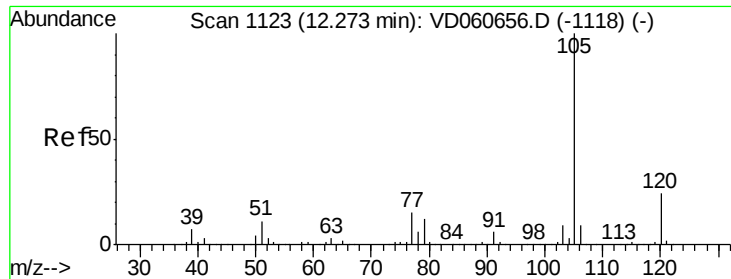
Acq: 27 Dec 2018 13:15

Tgt Ion:	152	Resp:	811039
Ion Ratio	Lower	Upper	
152	100		
115	56.0	24.1	72.3
150	155.2	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





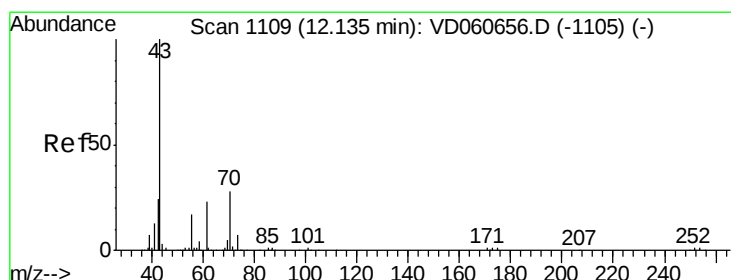
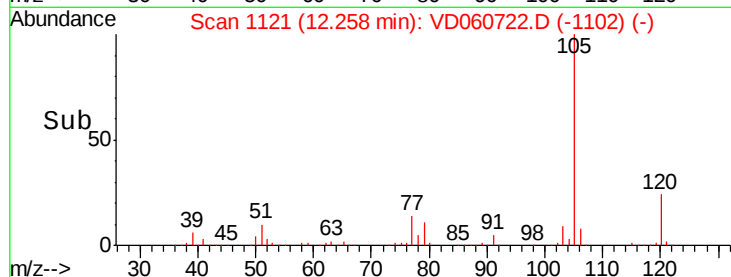
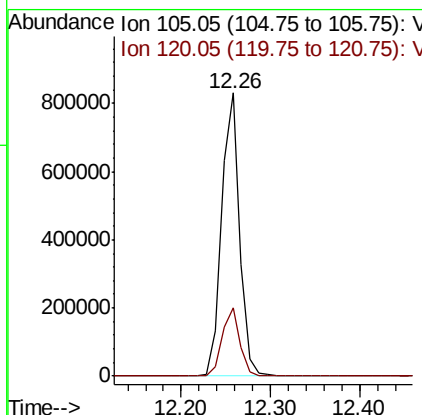
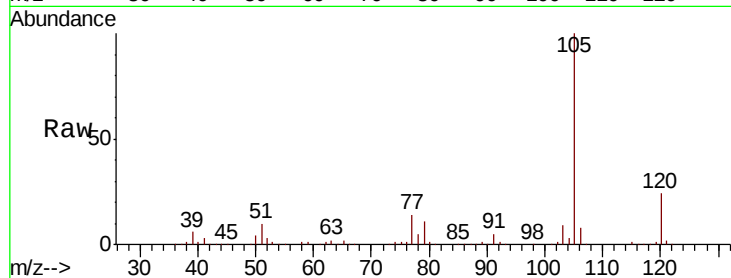
#73
Isopropylbenzene
Concen: 20.440 ug/l
RT: 12.26 min Scan# 1121
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion:105 Resp: 1180292
Ion Ratio Lower Upper
105 100
120 23.9 12.2 36.4

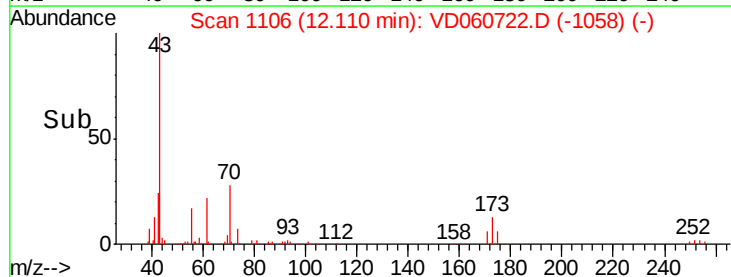
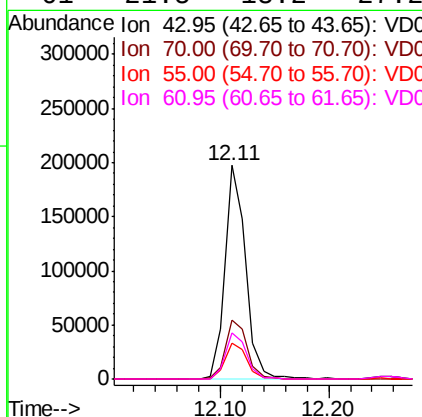
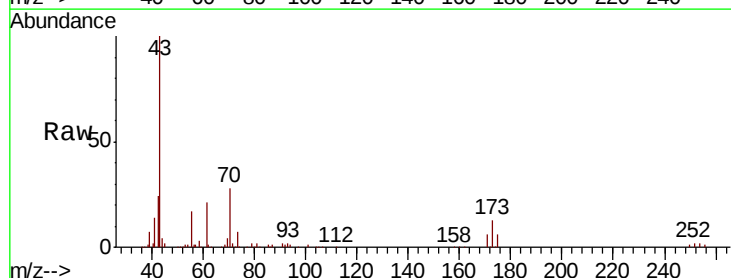
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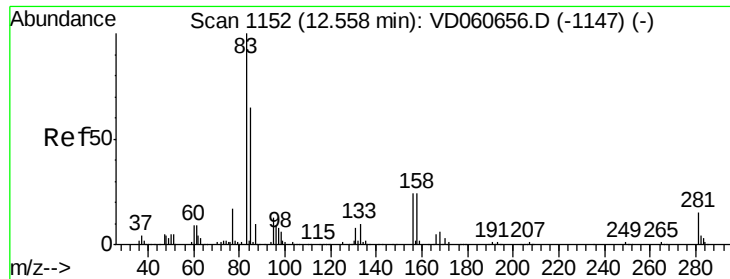
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#74
N-ethyl acetate
Concen: 19.225 ug/l
RT: 12.11 min Scan# 1106
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 43 Resp: 262003
Ion Ratio Lower Upper
43 100
70 27.8 22.2 33.2
55 16.9 13.8 20.8
61 21.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.592 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 83 Resp: 183374

Ion Ratio Lower Upper

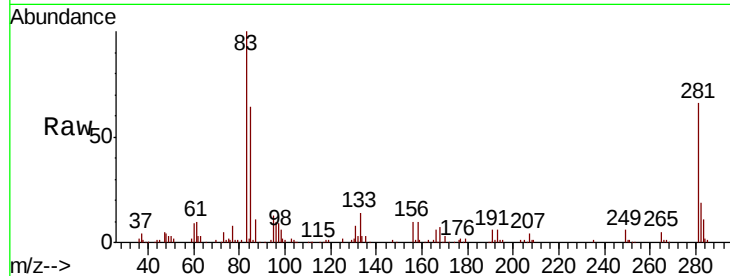
83 100

131 8.4 4.2 12.4

85 63.7 32.6 97.7

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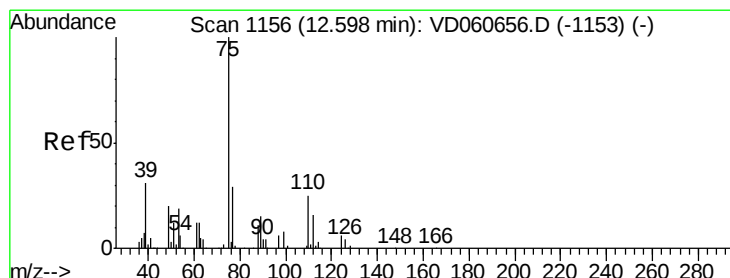
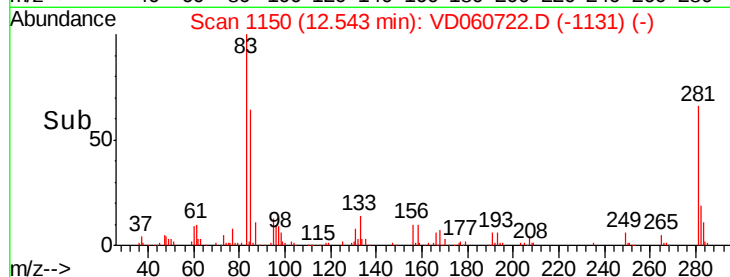
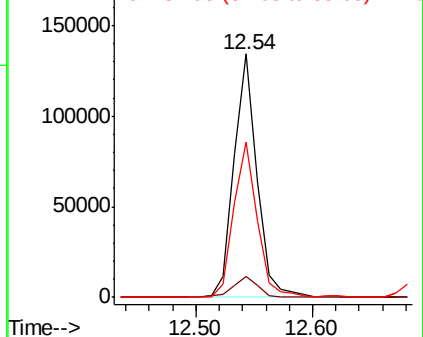
apatel
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.048 ug/l

RT: 12.57 min Scan# 1153

Delta R.T. -0.03 min

Lab File: VD060722.D

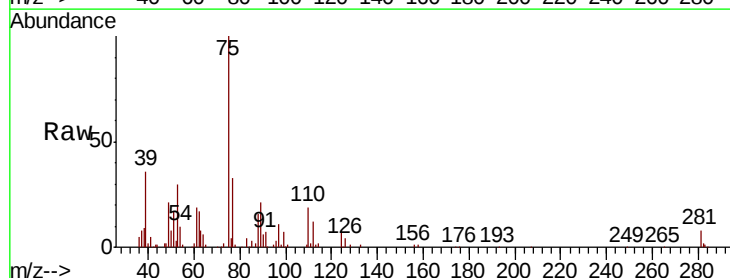
Acq: 27 Dec 2018 13:15

Tgt Ion: 75 Resp: 185111

Ion Ratio Lower Upper

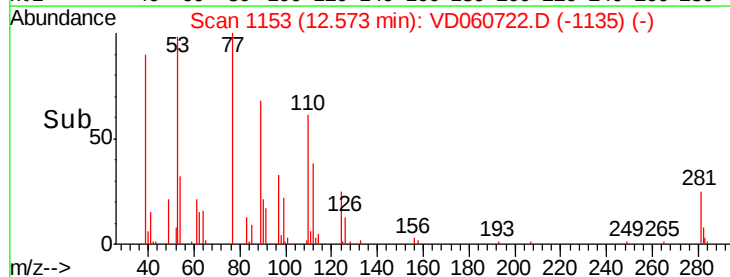
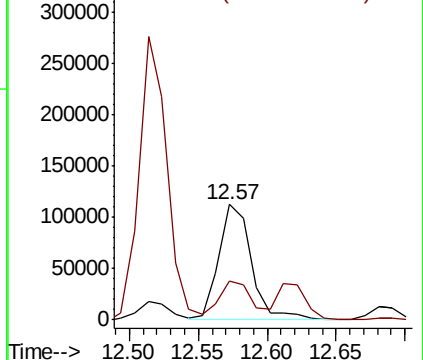
75 100

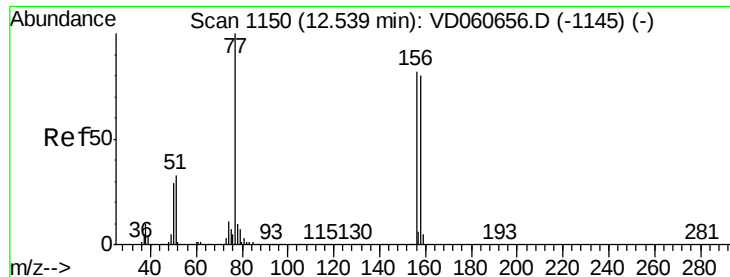
77 33.3 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





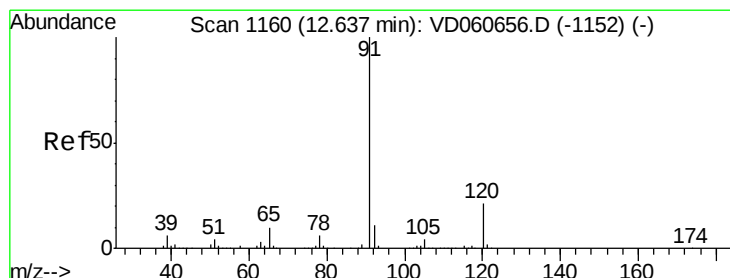
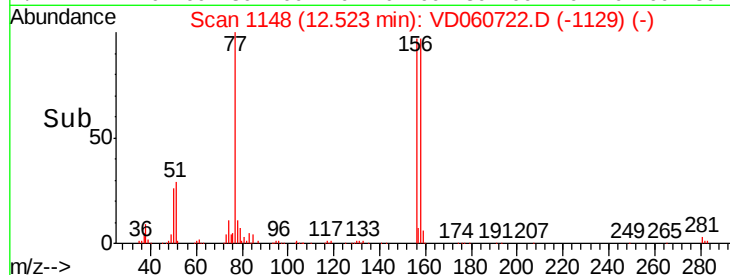
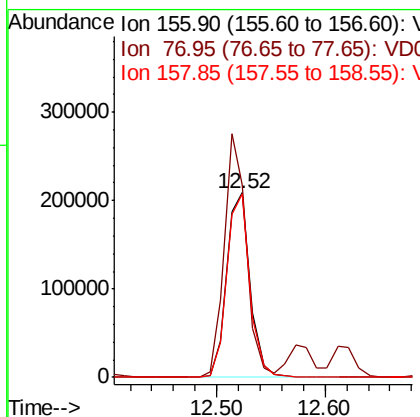
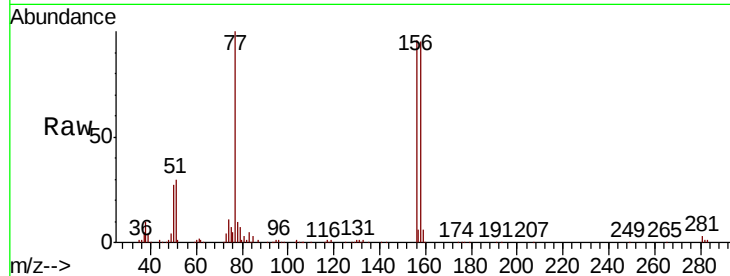
#77
Bromobenzene
Concen: 20.538 ug/l
RT: 12.52 min Scan# 1148
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	104.4	61.3	183.9
158	99.6	48.9	146.6

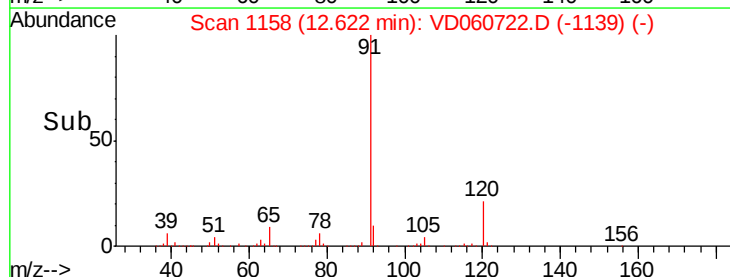
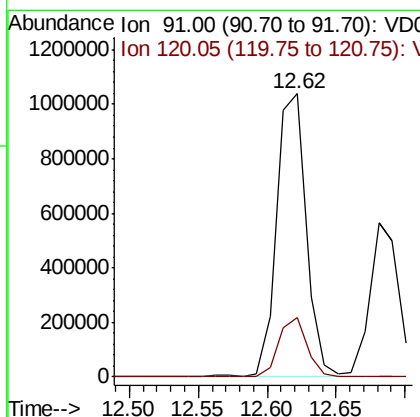
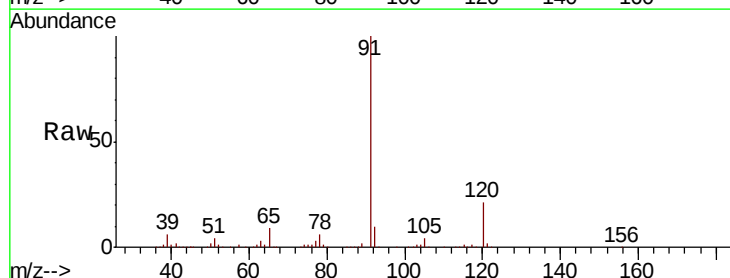
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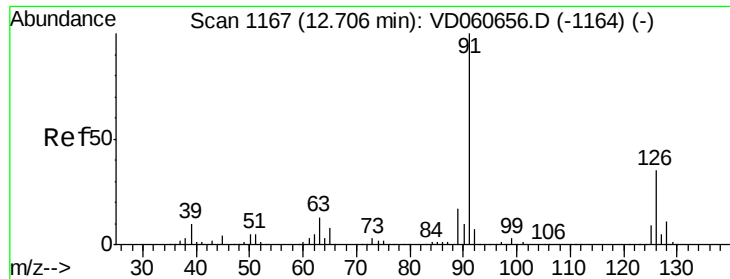
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#78
n-propylbenzene
Concen: 20.884 ug/l
RT: 12.62 min Scan# 1158
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.4	31.2





#79

2-Chlorotoluene

Concen: 20.886 ug/l

RT: 12.68 min Scan# 1164

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion: 91 Resp: 825833

Ion Ratio Lower Upper

91 100

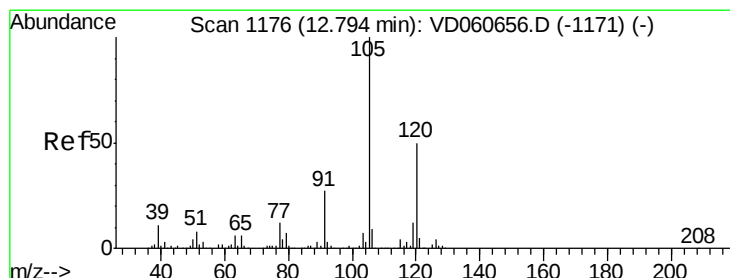
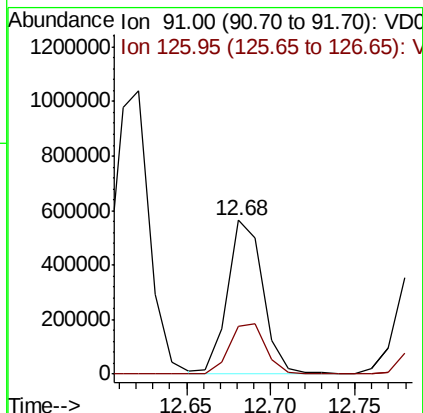
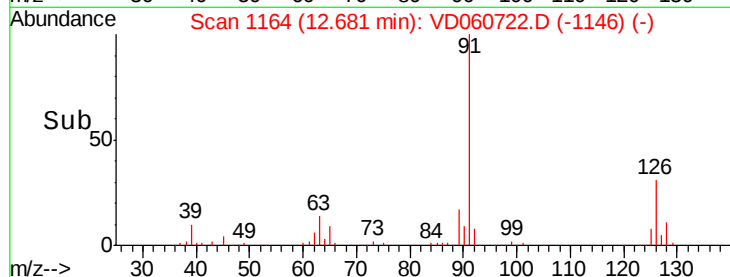
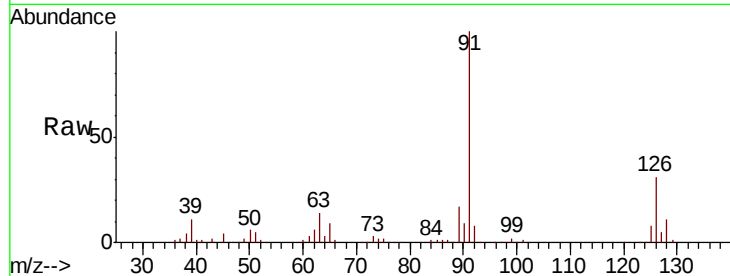
126 31.2 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.847 ug/l

RT: 12.77 min Scan# 1173

Delta R.T. -0.03 min

Lab File: VD060722.D

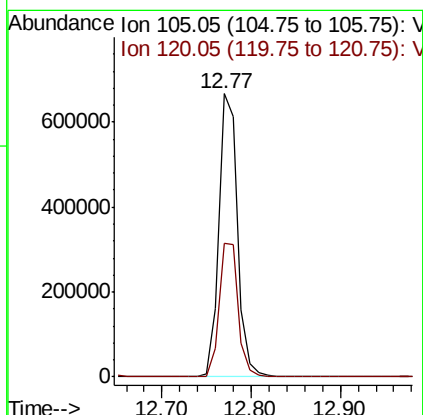
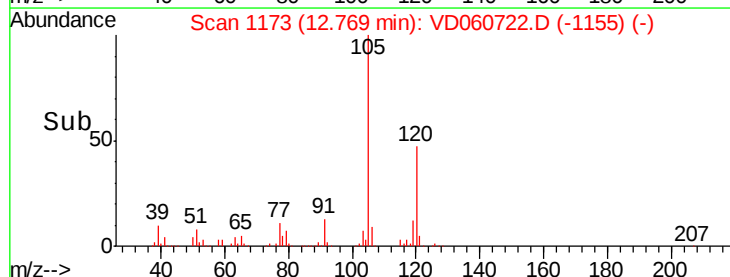
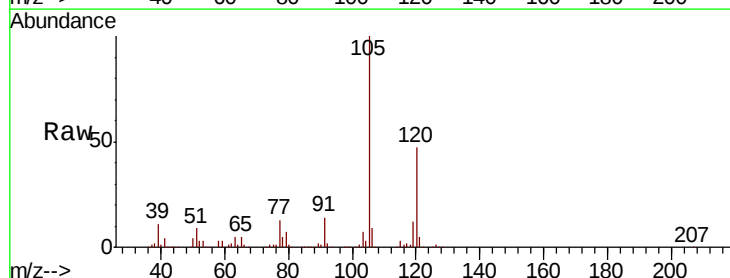
Acq: 27 Dec 2018 13:15

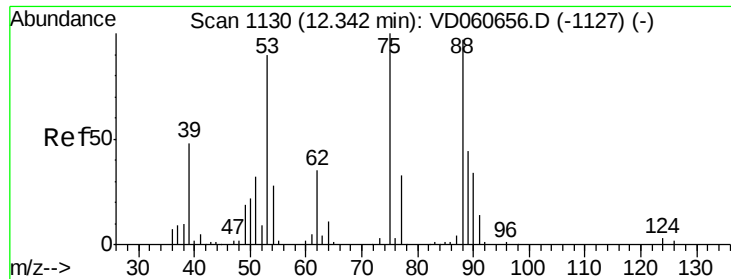
Tgt Ion: 105 Resp: 974152

Ion Ratio Lower Upper

105 100

120 47.2 24.8 74.4





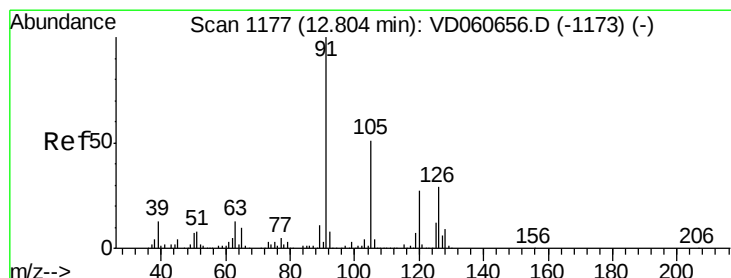
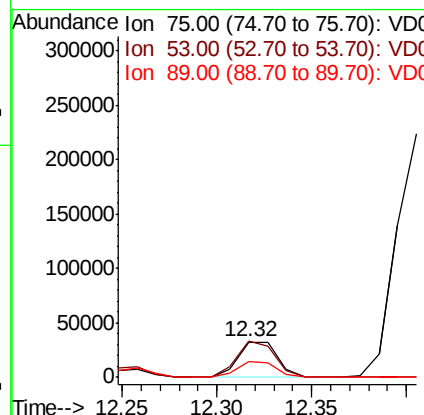
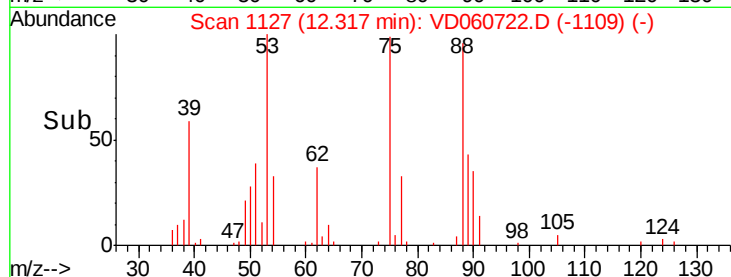
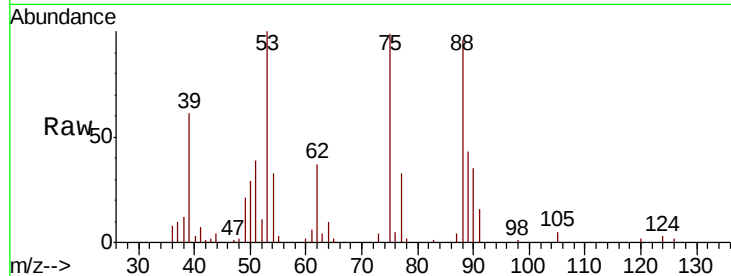
#81
trans-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.32 min Scan# 1127
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	72.1	108.1
89	43.4	35.1	52.7

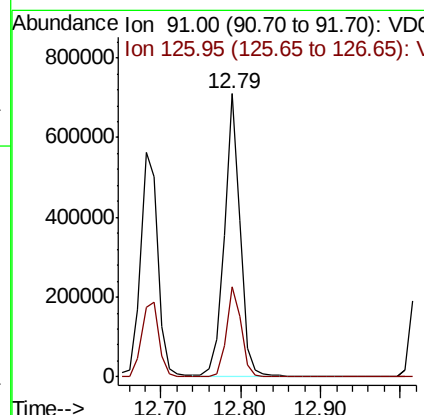
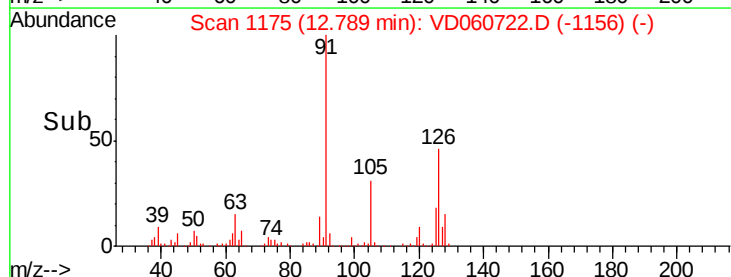
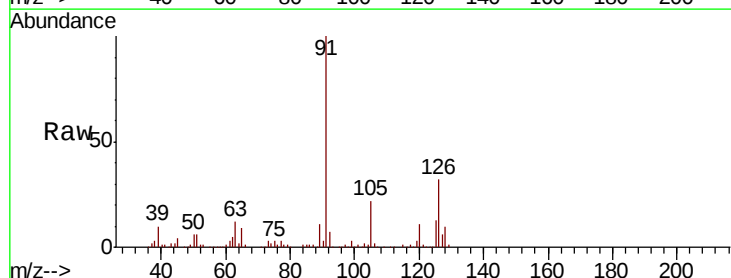
Manual Integrations
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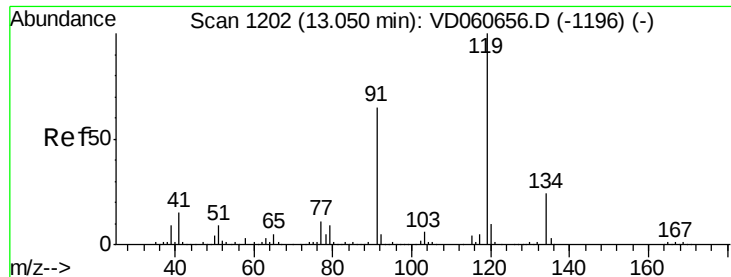
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#82
4-Chlorotoluene
Concen: 22.075 ug/l
RT: 12.79 min Scan# 1175
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	14.6	43.8





#83

tert-Butylbenzene

Concen: 21.106 ug/l

RT: 13.03 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tot Ion:119 Resp: 1071051

Ion Ratio Lower Upper

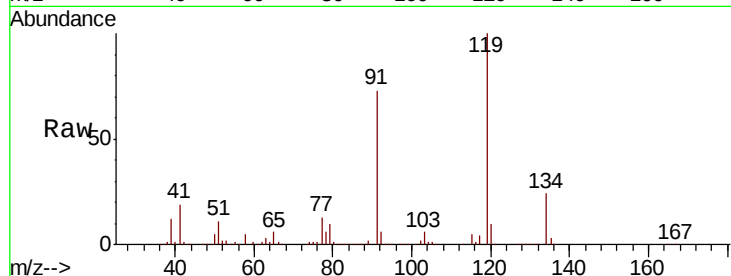
119 100

91 73.3 32.5 97.4

134 24.1 11.9 35.9

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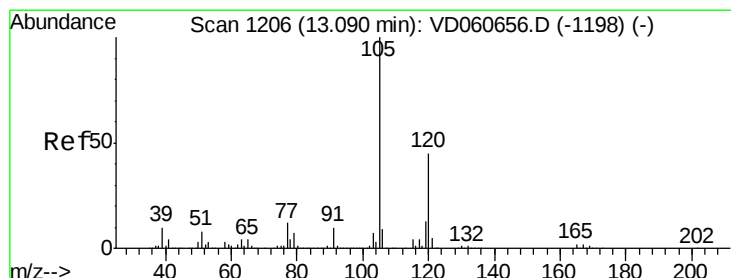
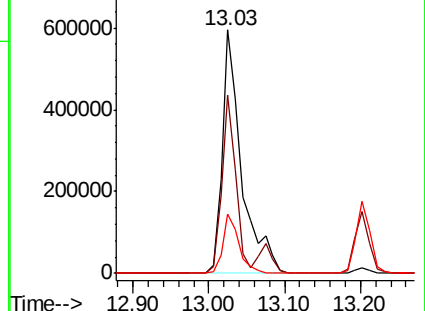
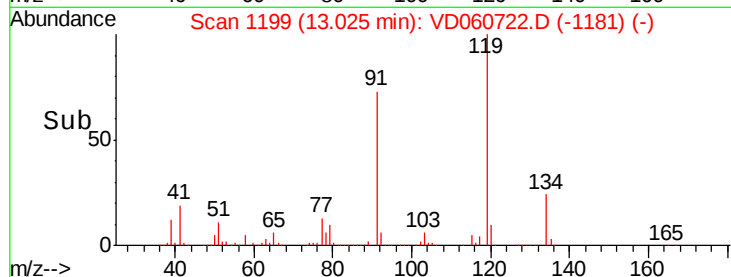
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.323 ug/l

RT: 13.07 min Scan# 1204

Delta R.T. -0.02 min

Lab File: VD060722.D

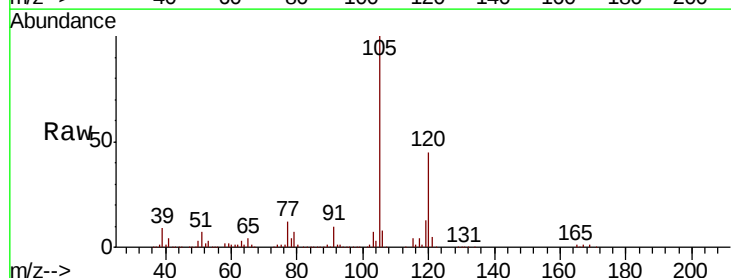
Acq: 27 Dec 2018 13:15

Tgt Ion:105 Resp: 933342

Ion Ratio Lower Upper

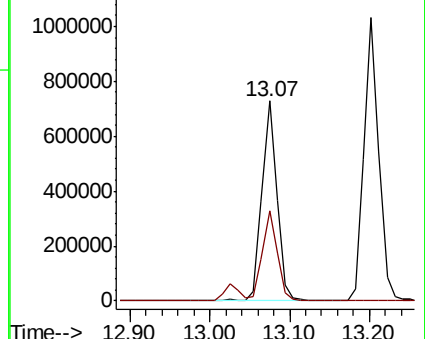
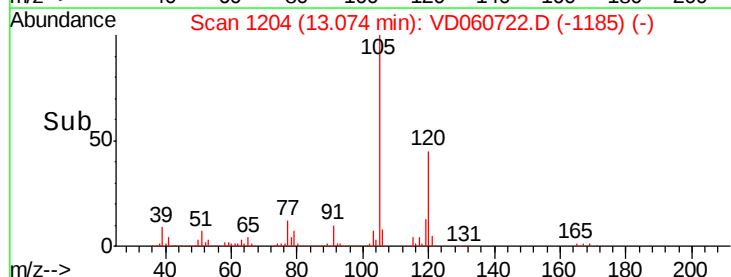
105 100

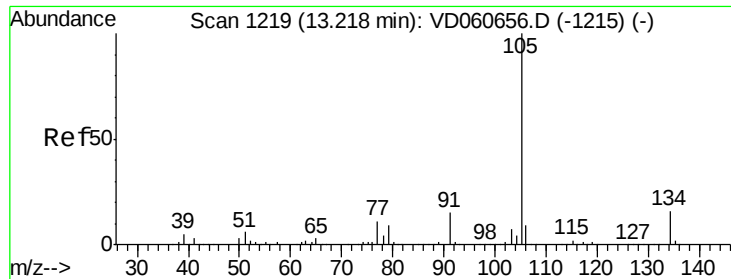
120 45.1 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





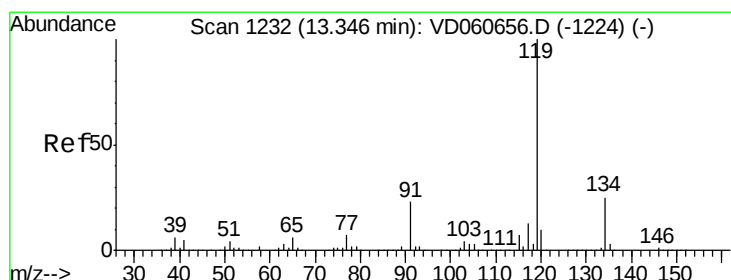
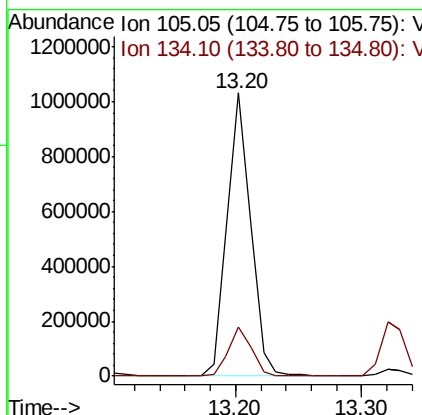
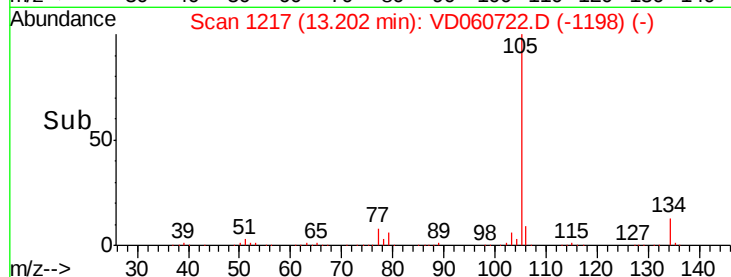
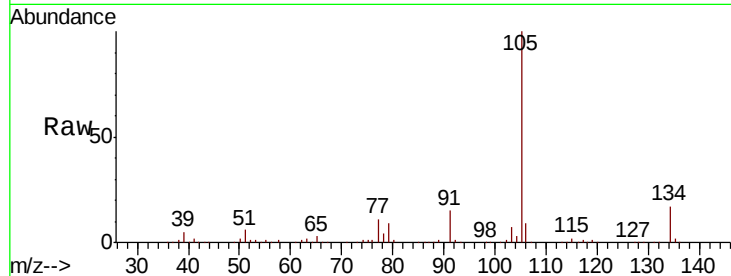
#85
 sec-Butylbenzene
 Concen: 21.400 ug/l
 RT: 13.20 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion:105 Resp: 1324347
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.2 24.4

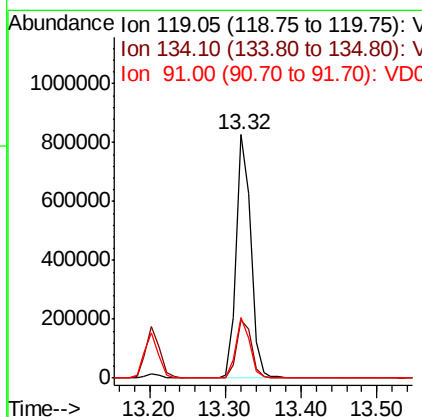
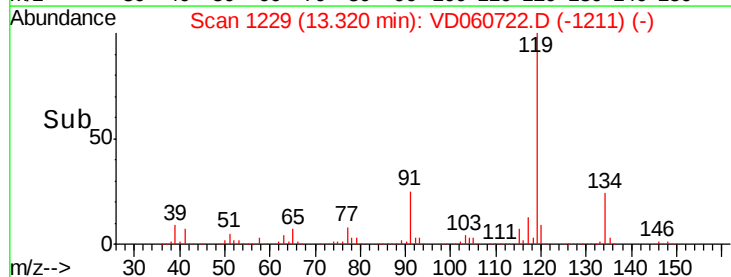
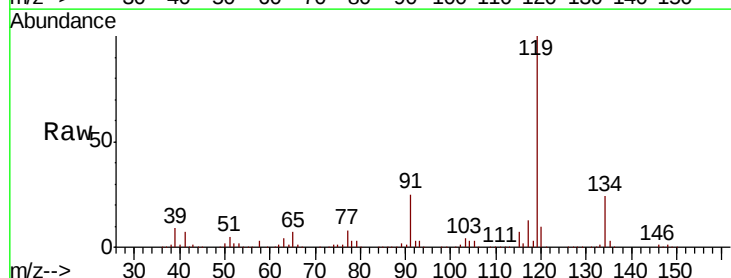
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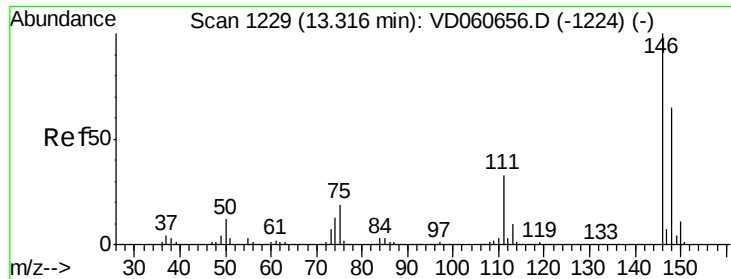
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#86
 p-Isopropyltoluene
 Concen: 21.656 ug/l
 RT: 13.32 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion:119 Resp: 1081821
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.5 37.5
 91 24.7 11.4 34.2





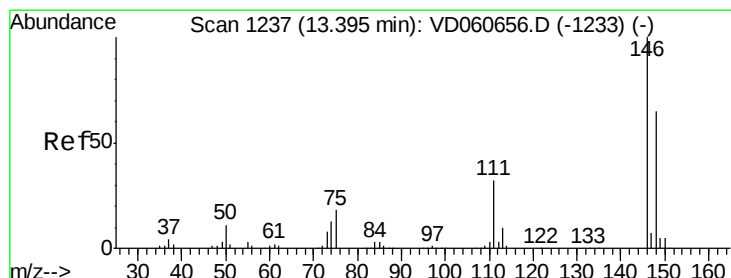
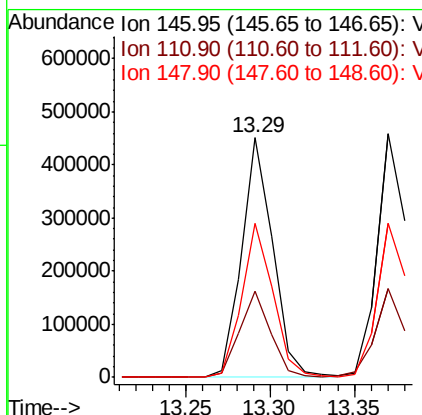
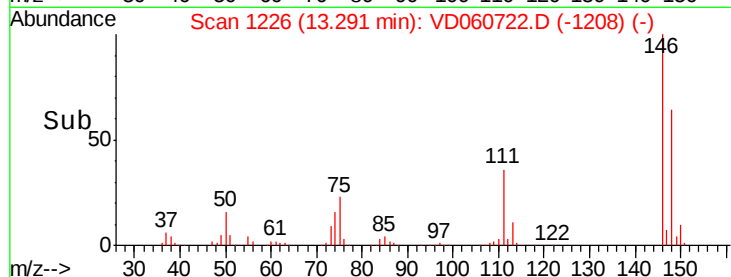
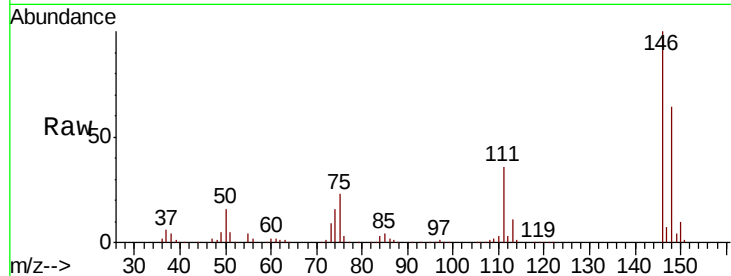
#87
 1,3-Dichlorobenzene
 Concen: 20.721 ug/l
 RT: 13.29 min Scan# 1226
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	16.6	49.8
148	64.3	32.6	97.8

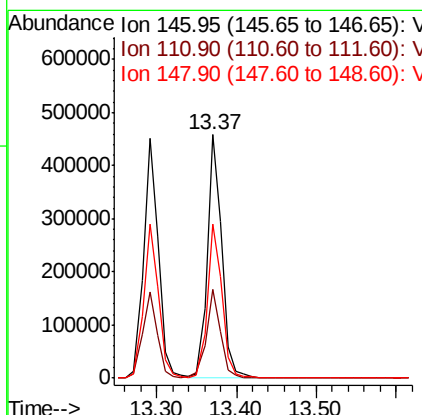
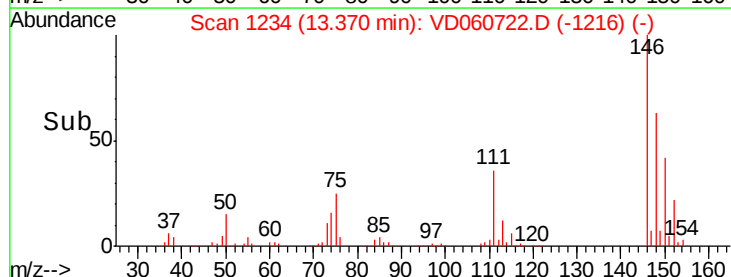
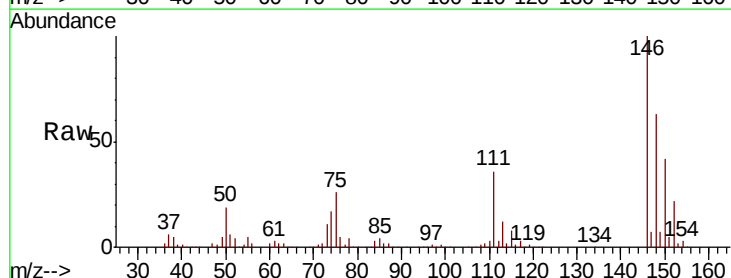
Manual Integrations
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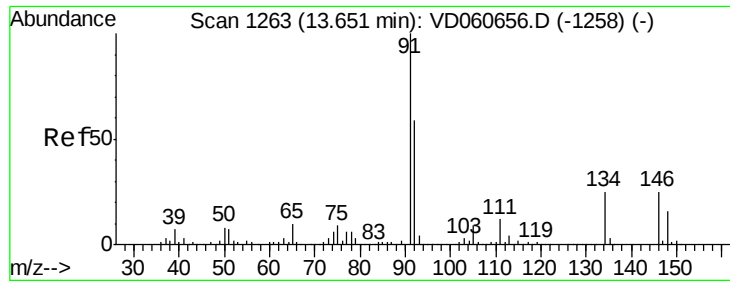
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#88
 1,4-Dichlorobenzene
 Concen: 20.938 ug/l
 RT: 13.37 min Scan# 1234
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	16.2	48.5
148	63.2	32.7	98.1





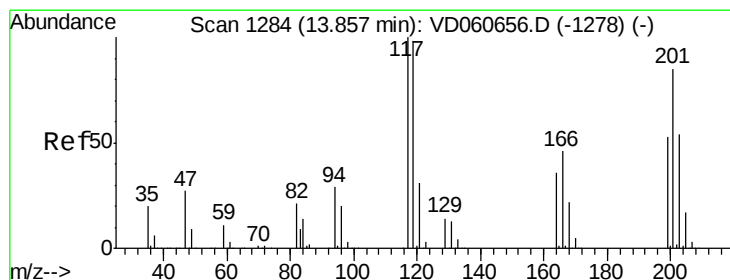
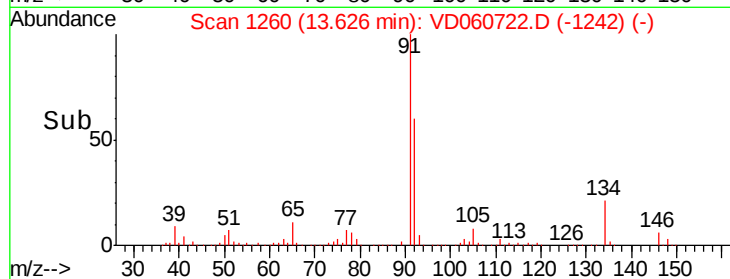
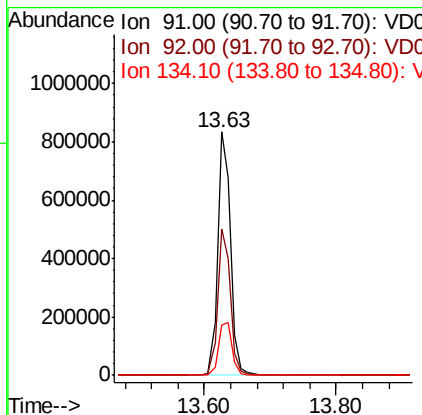
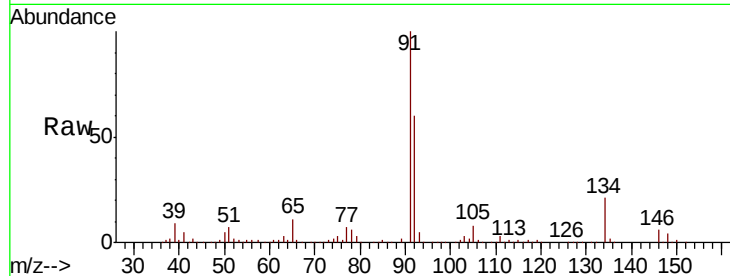
#89
n-Butylbenzene
Concen: 21.915 ug/l
RT: 13.63 min Scan# 1260
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion: 91 Resp: 1118755
Ion Ratio Lower Upper
91 100
92 60.0 29.7 89.1
134 20.8 12.7 38.1

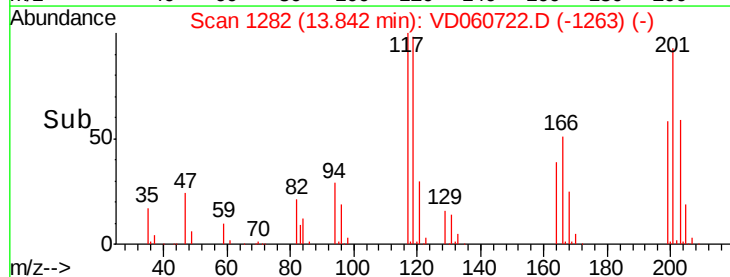
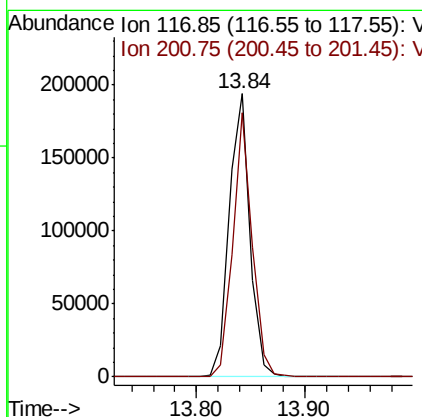
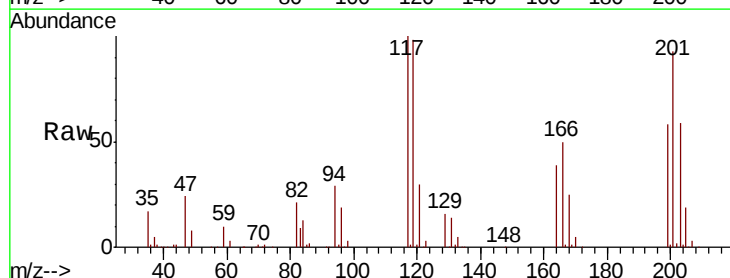
Manual Integrations
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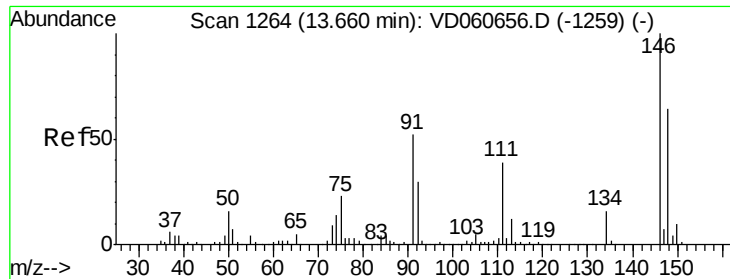
apatel
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#90
Hexachloroethane
Concen: 21.040 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 117 Resp: 258210
Ion Ratio Lower Upper
117 100
201 93.2 42.6 127.8





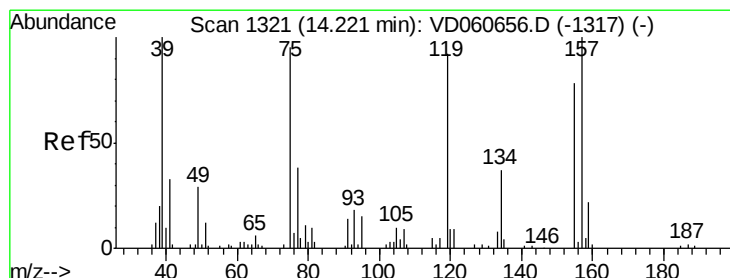
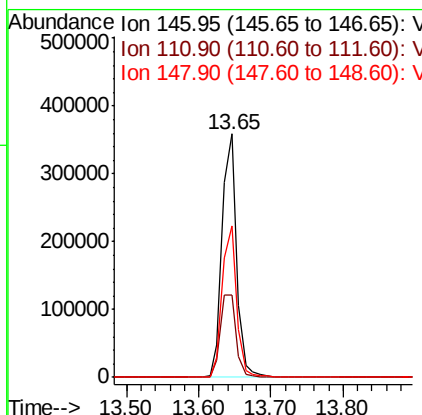
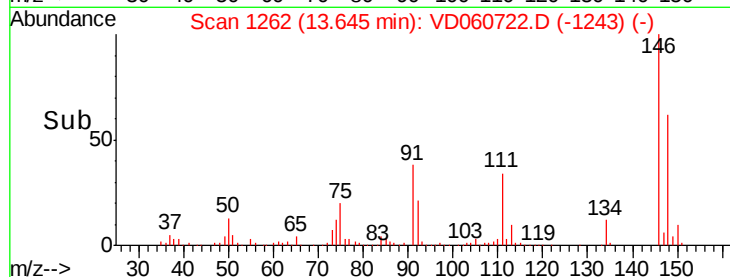
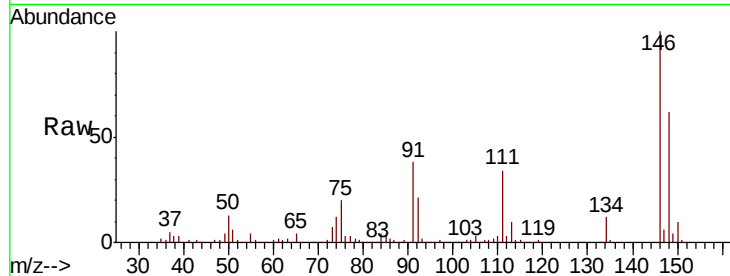
#91
 1,2-Dichlorobenzene
 Concen: 22.136 ug/l
 RT: 13.65 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.1	19.3	57.9
148	62.4	31.9	95.9

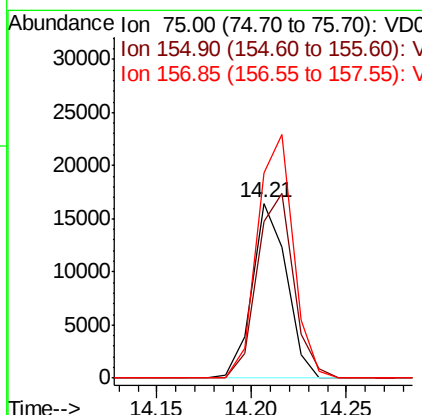
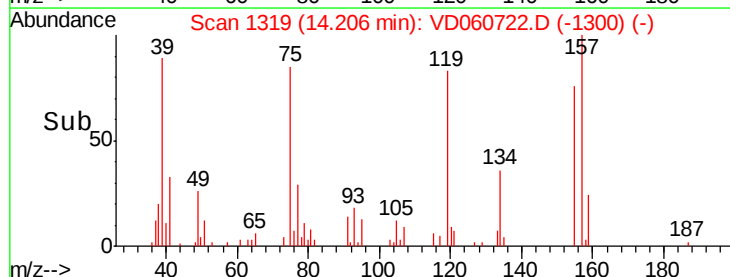
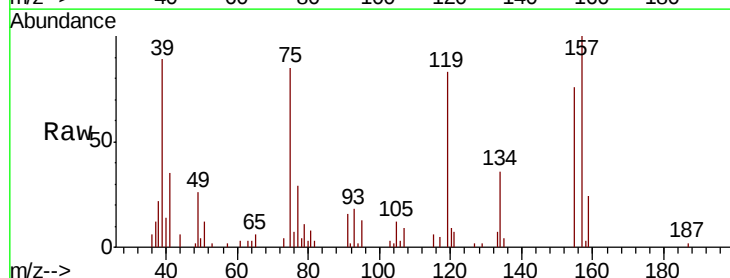
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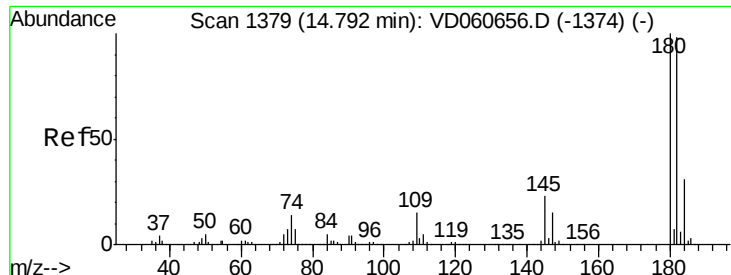
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.863 ug/l
 RT: 14.21 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	41.1	123.4
157	117.9	52.5	157.6





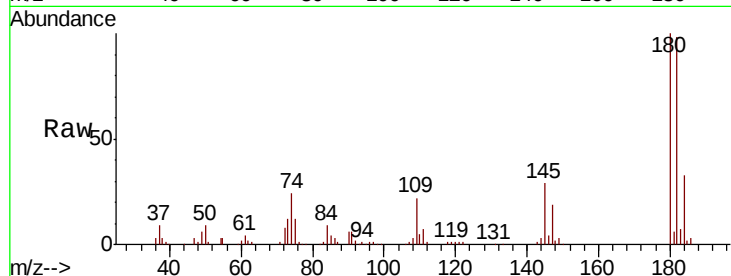
#93
 1,2,4-Trichlorobenzene
 Concen: 20.926 ug/l
 RT: 14.77 min Scan# 1376
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

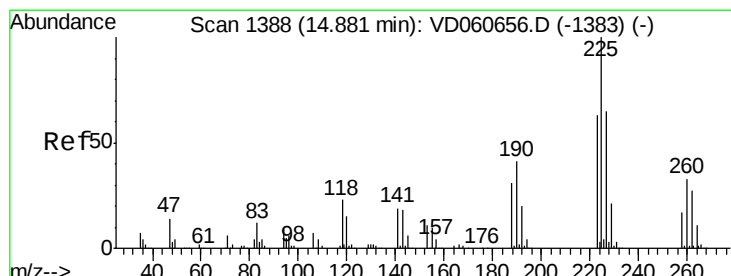
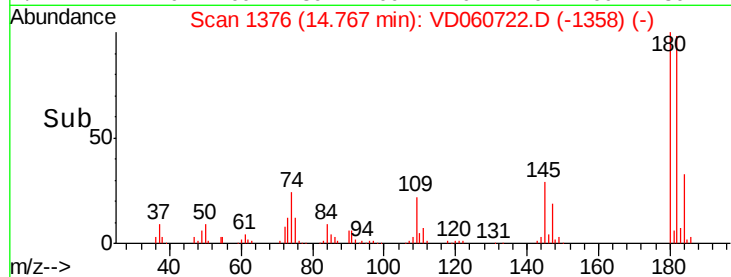
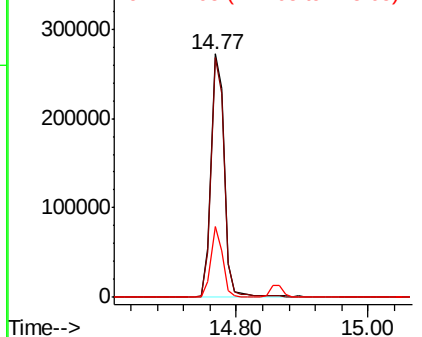
Tot Ion	Ratio	Resp	Lower	Upper
180	100	373828		
182	98.3	48.8	146.4	
145	29.2	11.8	35.3	

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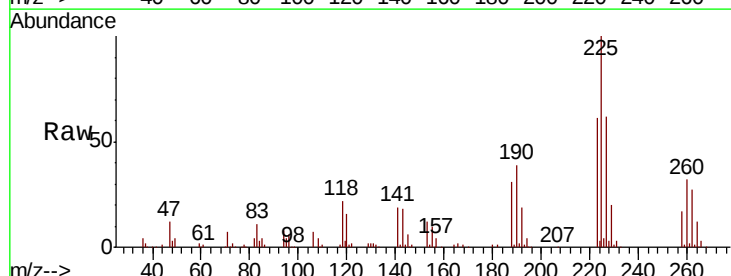


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

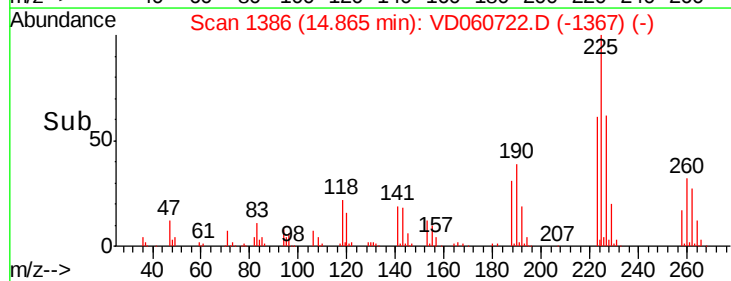
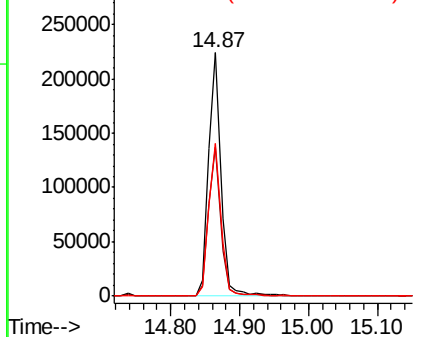


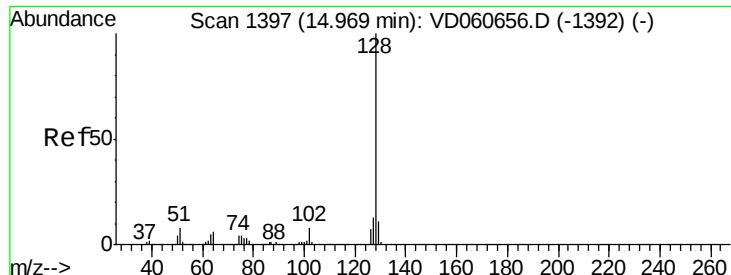
#94
 Hexachlorobutadiene
 Concen: 21.342 ug/l
 RT: 14.87 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	281809		
223	61.2	31.3	93.8	
227	62.5	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





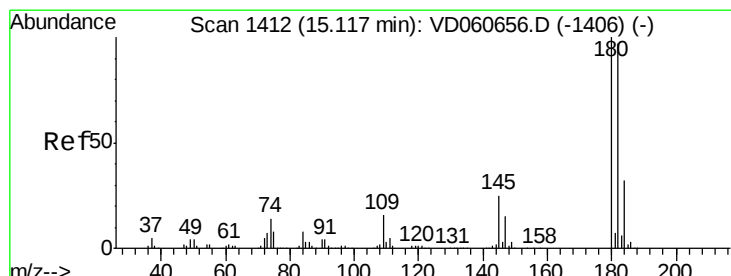
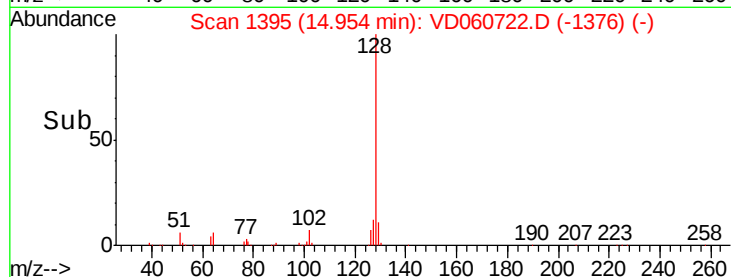
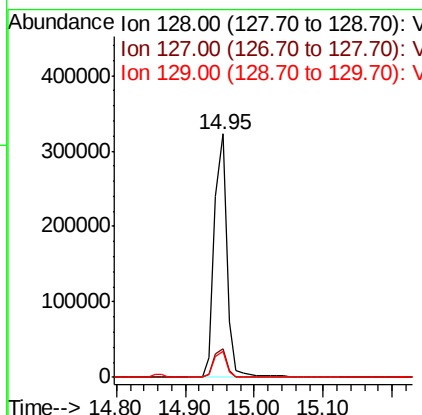
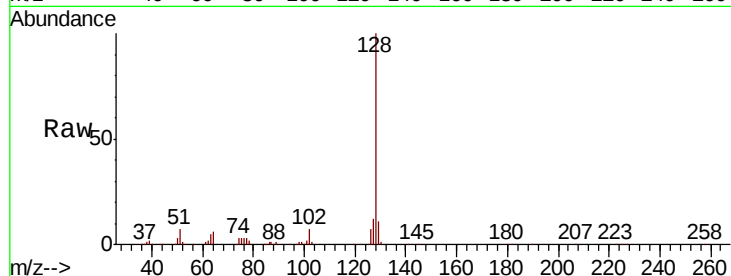
#95
Naphthalene
Concen: 19.351 ug/l
RT: 14.95 min Scan# 1395
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.1	15.1
129	10.8	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.644 ug/l
RT: 15.10 min Scan# 1410
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.6	145.9
145	25.1	12.6	37.8

