

Data File : VD060961.D
Acq On : 6 Mar 2019 13:19
Operator : VA/AP
Sample : VD0306SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Quant Time: Mar 07 05:48:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	749916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1247803	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1038051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	477076	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	339578	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	6.93	113	525472	52.53	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	10.41	98	1354961	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
62) 4-Bromofluorobenzene	13.56	95	506210	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.59	85	165084	19.867	ug/l	96
3) Chloromethane	1.76	50	149939	21.744	ug/l	98
4) Vinyl Chloride	1.86	62	135397	21.734	ug/l	99
5) Bromomethane	2.16	94	18809	17.093	ug/l	95
6) Chloroethane	2.27	64	26888	17.914	ug/l	97
7) Trichlorofluoromethane	2.53	101	150063	20.069	ug/l	99
8) Diethyl Ether	2.88	74	62624	18.988	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	207576	20.466	ug/l	97
10) Methyl Iodide	3.32	142	228464	18.905	ug/l	97
11) Tert butyl alcohol	4.08	59	41446	89.700	ug/l	97
12) 1,1-Dichloroethene	3.13	96	168631	19.601	ug/l	97
13) Acrolein	3.04	56	56294	87.979	ug/l	99
14) Allyl chloride	3.63	41	286739	20.434	ug/l	97
15) Acrylonitrile	4.21	53	169187	95.630	ug/l	98
16) Acetone	3.23	43	195431	94.414	ug/l	100
17) Carbon Disulfide	3.39	76	568496	18.642	ug/l	100
18) Methyl Acetate	3.65	43	77443	18.272	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	315325	20.838	ug/l	97
20) Methylene Chloride	3.82	84	205662	18.657	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	192509	20.555	ug/l	99
22) Diisopropyl ether	5.12	45	576276	19.341	ug/l	93
23) Vinyl Acetate	5.06	43	1574018	100.595	ug/l	98
24) 1,1-Dichloroethane	4.99	63	311920	19.629	ug/l	98
25) 2-Butanone	6.08	43	242066	94.271	ug/l	98
26) 2,2-Dichloropropane	6.03	77	249790	21.160	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	213401	20.096	ug/l	97
28) Bromochloromethane	6.44	49	114387	17.137	ug/l	96
29) Tetrahydrofuran	6.46	42	127823	96.710	ug/l	97
30) Chloroform	6.67	83	306703	19.900	ug/l	100
31) Cyclohexane	6.96	56	274397	20.049	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	269937	20.454	ug/l	99
36) 1,1-Dichloropropene	7.15	75	247563	21.579	ug/l	100
37) Ethyl Acetate	6.18	43	118868	20.155	ug/l	96
38) Carbon Tetrachloride	7.11	117	258307	20.957	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	264997	21.131	ug/l	99
40) Benzene	7.45	78	644135	22.046	ug/l	99
41) Methacrylonitrile	6.44	41	135723	36.837	ug/l	93
42) 1,2-Dichloroethane	7.58	62	168363	20.480	ug/l	99
43) Isopropyl Acetate	9.25	43	159997	19.457	ug/l #	93
44) Trichloroethene	8.54	130	221052	22.092	ug/l	96
45) 1,2-Dichloropropane	8.94	63	157508	20.363	ug/l	98
46) Dibromomethane	9.07	93	101010	20.245	ug/l	94
47) Bromodichloromethane	9.37	83	238876	21.949	ug/l	99
48) Methyl methacrylate	9.12	41	90398	19.567	ug/l	97
49) 1,4-Dioxane	9.09	88	19797	409.332	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	460887	92.059	ug/l	97
52) Toluene	10.51	92	368646	19.639	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	207674	20.736	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	255336	20.561	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	134775	21.711	ug/l	99
56) Ethyl methacrylate	11.04	69	129298	19.648	ug/l	98
57) 1,3-Dichloropropane	11.40	76	193524	21.442	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	361026	102.721	ug/l	99
59) 2-Hexanone	11.53	43	355215	101.215	ug/l	98
60) Dibromochloromethane	11.69	129	183044	20.445	ug/l	99
61) 1,2-Dibromoethane	11.81	107	152180	20.867	ug/l	99
64) Tetrachloroethene	11.25	164	168104	21.155	ug/l	97
65) Chlorobenzene	12.40	112	485958	21.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	179682	21.666	ug/l	99
67) Ethyl Benzene	12.52	91	762631	22.663	ug/l	98
68) m/p-Xylenes	12.67	106	552885	41.123	ug/l	98
69) o-Xylene	13.05	106	270053	21.383	ug/l	99
70) Styrene	13.08	104	443879	21.066	ug/l	98
71) Bromoform	13.23	173	105696	20.136	ug/l	97
73) Isopropylbenzene	13.40	105	740772	20.097	ug/l	97
74) N-amyl acetate	13.26	43	215064	19.532	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	138546	18.123	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	145493	18.822	ug/l	99
77) Bromobenzene	13.67	156	192875	20.019	ug/l	85
78) n-propylbenzene	13.77	91	929829	21.926	ug/l	99
79) 2-Chlorotoluene	13.84	91	464380	19.174	ug/l	97
80) 1,3,5-Trimethylbenzene	14.24	105	585371	20.941	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	43804	19.148	ug/l	92
82) 4-Chlorotoluene	13.94	91	522968	19.687	ug/l	91
83) tert-Butylbenzene	14.19	119	604109	18.875	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	585371	20.941	ug/l	98
85) sec-Butylbenzene	14.37	105	768890	20.723	ug/l	94
86) p-Isopropyltoluene	14.49	119	644620	21.330	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	333256	20.360	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	309182	19.021	ug/l	94
89) n-Butylbenzene	14.80	91	598255	19.981	ug/l	98
90) Hexachloroethane	15.01	117	173986	19.963	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	289598	20.420	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	17325	19.368	ug/l	66

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030619\
Quantitation Report (Not Reviewed)

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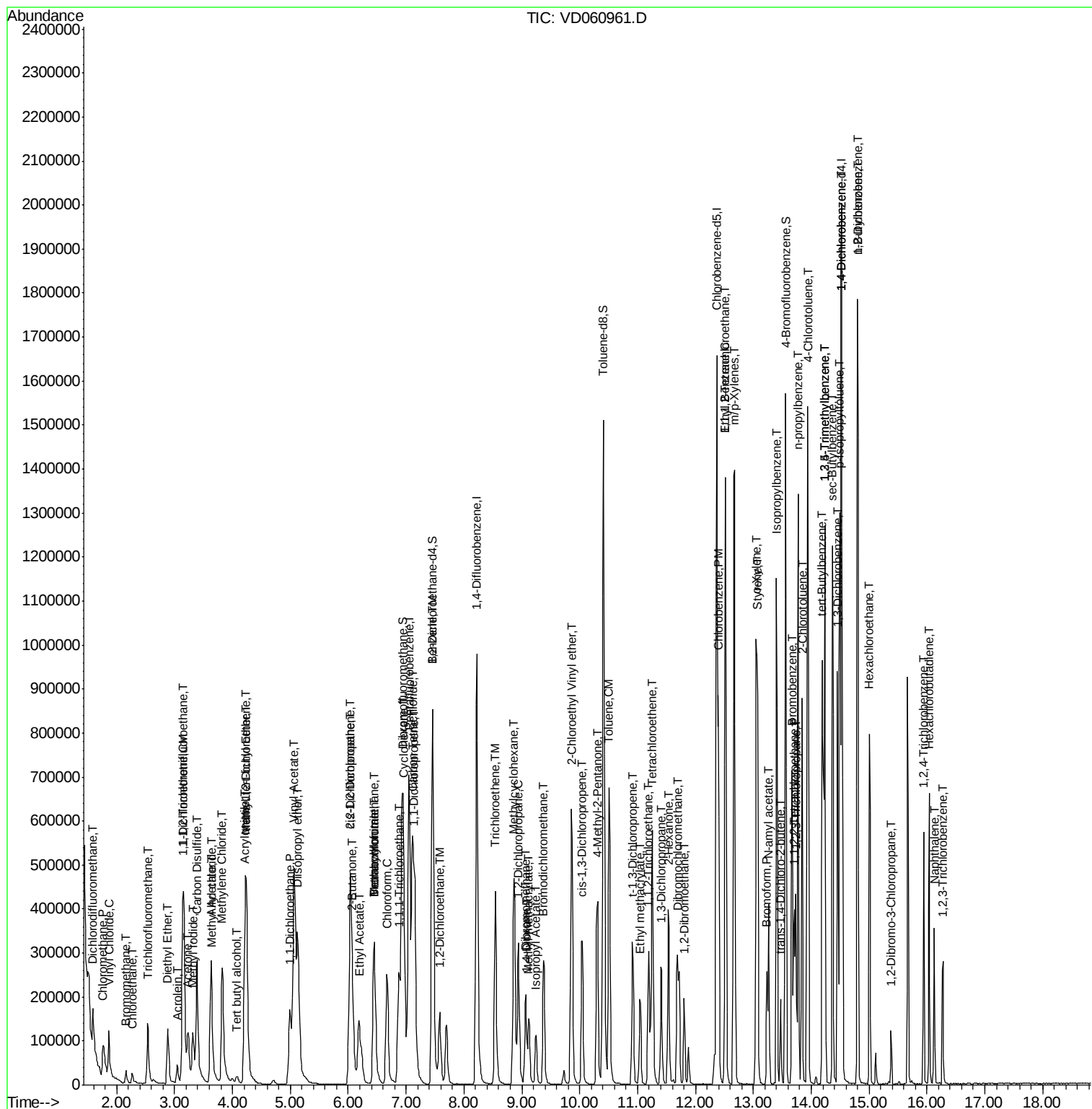
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	152069	18.467	ug/l	98
94) Hexachlorobutadiene	16.04	225	103802	19.639	ug/l	99
95) Naphthalene	16.13	128	227540	17.744	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	79101	17.105	ug/l	97

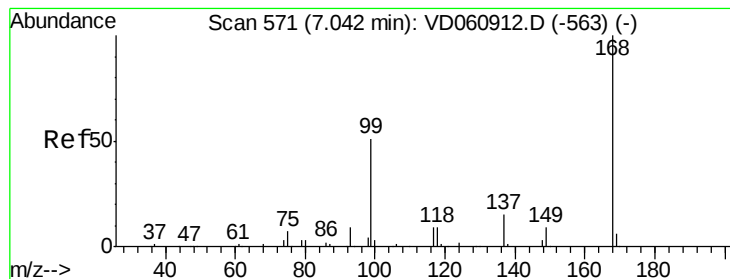
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

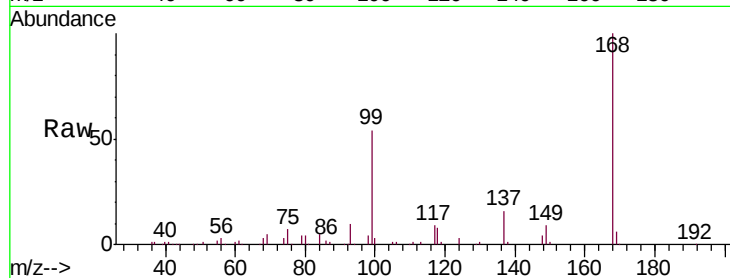
VD0306SBS01

Tgt Ion: 168 Resp: 749916

Ion Ratio Lower Upper

168 100

99 54.0 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

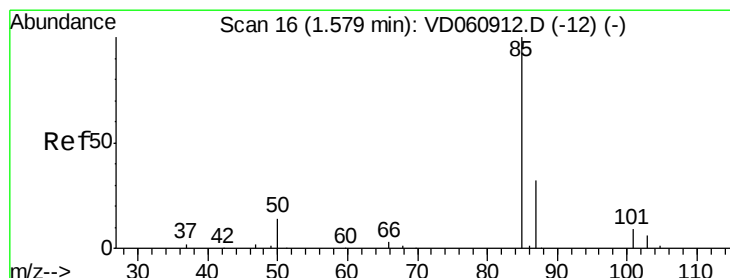
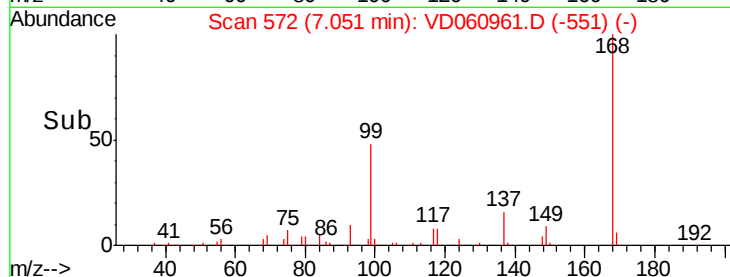
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.867 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD060961.D

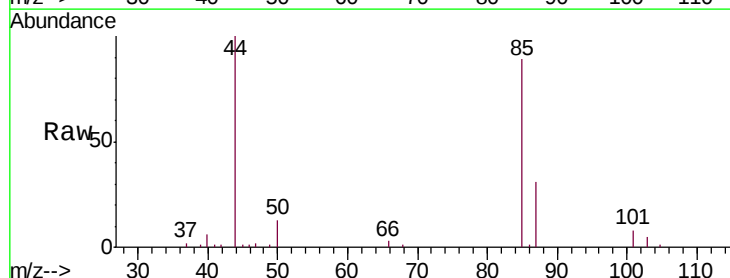
Acq: 6 Mar 2019 13:19

Tgt Ion: 85 Resp: 165084

Ion Ratio Lower Upper

85 100

87 35.0 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

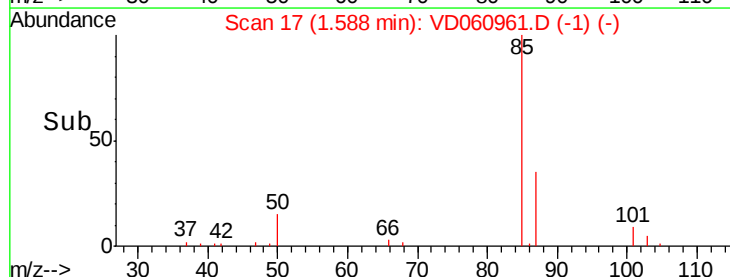
60000

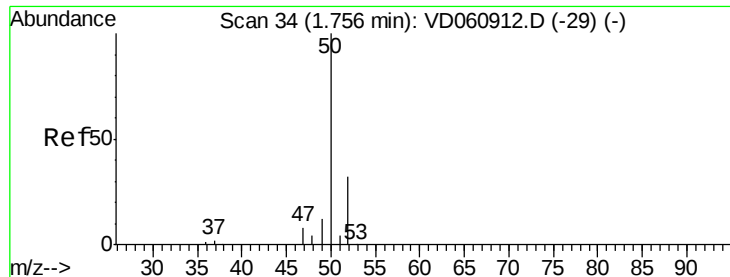
40000

20000

0

Time-->





#3

Chloromethane

Concen: 21.744 ug/l

RT: 1.76 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

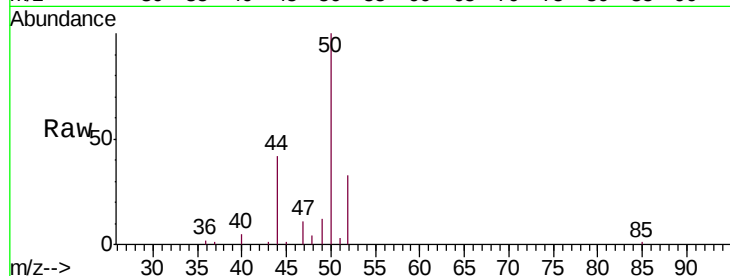
VD0306SBS01

Tgt Ion: 50 Resp: 149939

Ion Ratio Lower Upper

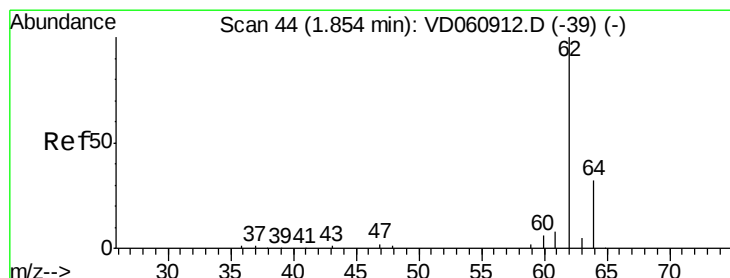
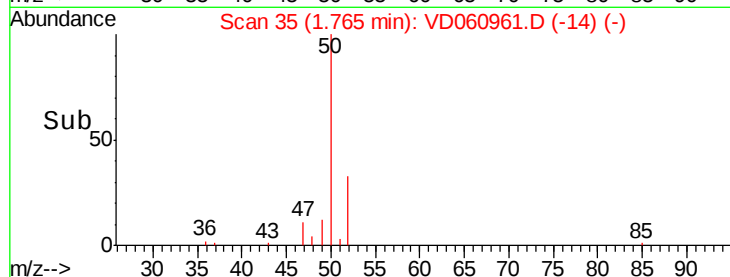
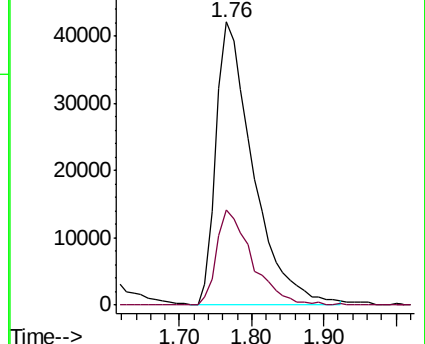
50 100

52 33.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.734 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD060961.D

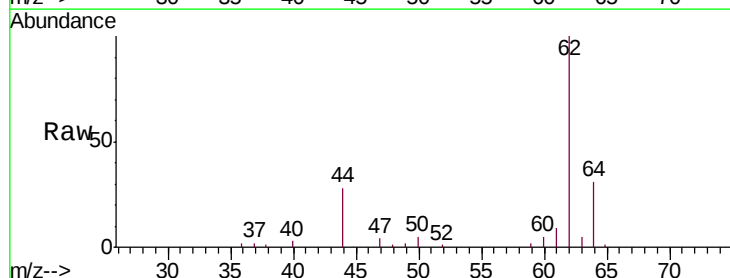
Acq: 6 Mar 2019 13:19

Tgt Ion: 62 Resp: 135397

Ion Ratio Lower Upper

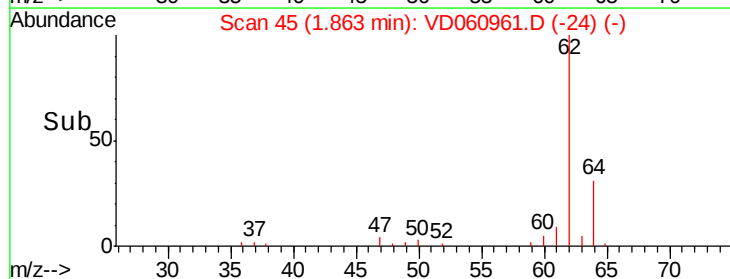
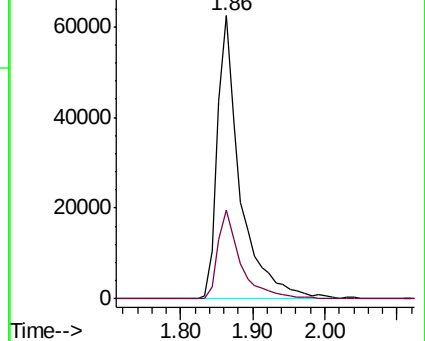
62 100

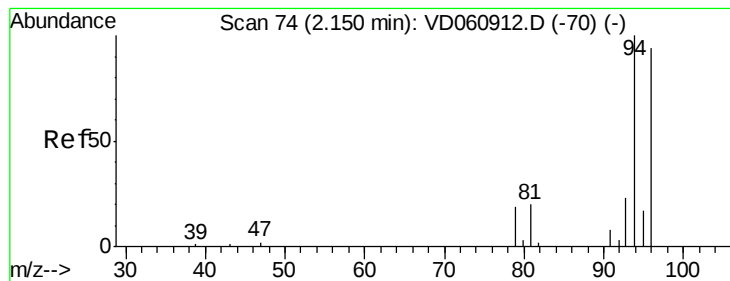
64 31.5 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.093 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

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Acq: 6 Mar 2019 13:19

Instrument :

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ClientSampleId :

VD0306SBS01

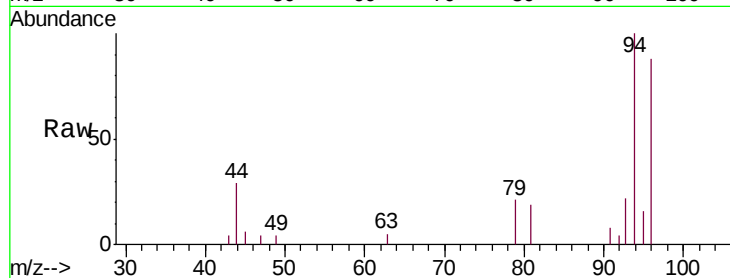
Tgt Ion: 94 Resp: 18809

Ion Ratio Lower Upper

94 100

96 88.4 75.1 112.7

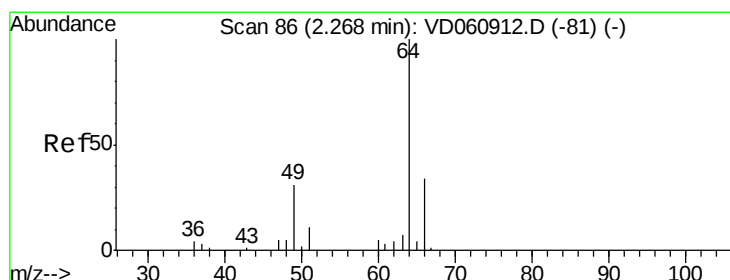
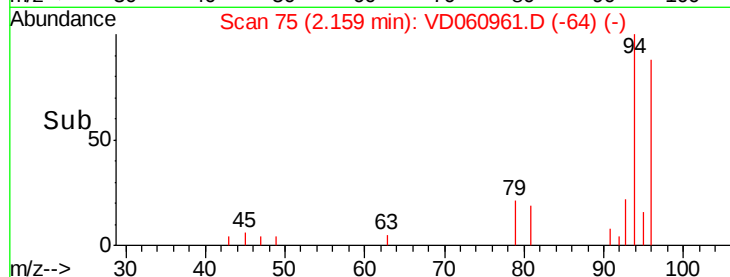
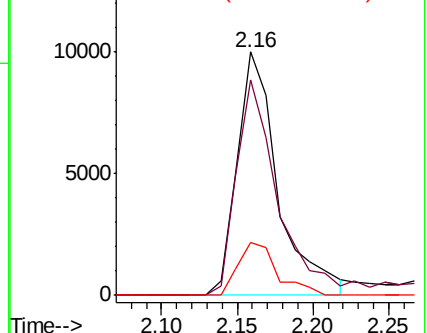
93 21.8 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.914 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD060961.D

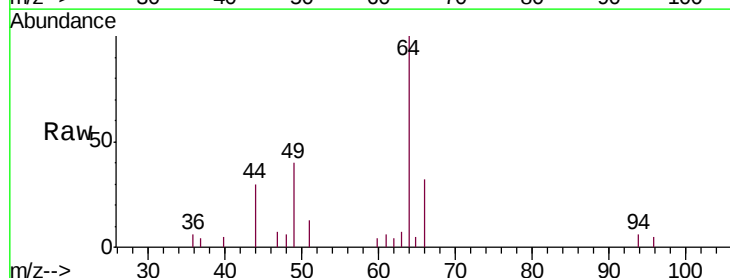
Acq: 6 Mar 2019 13:19

Tgt Ion: 64 Resp: 26888

Ion Ratio Lower Upper

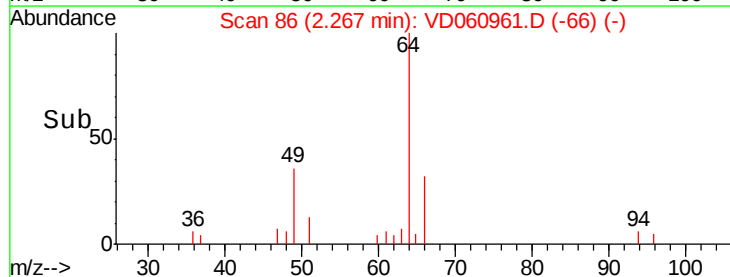
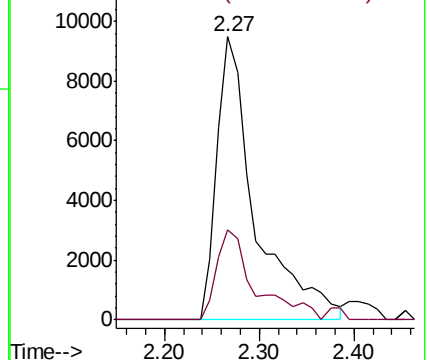
64 100

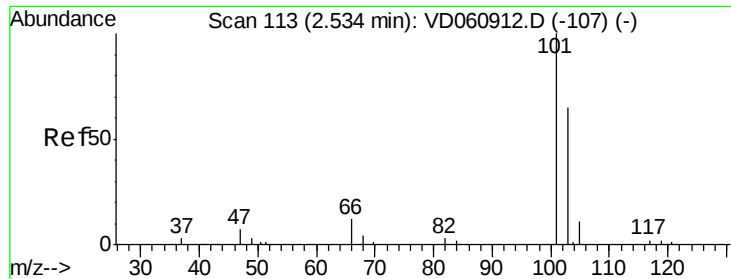
66 31.9 27.0 40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



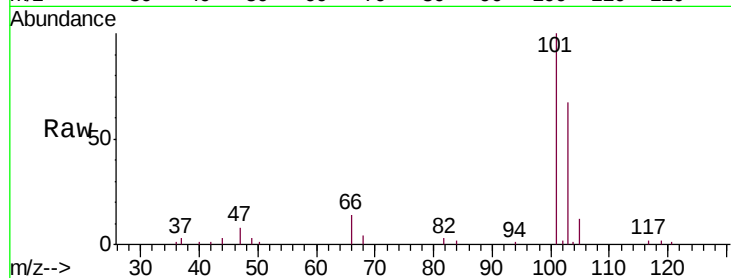


#7

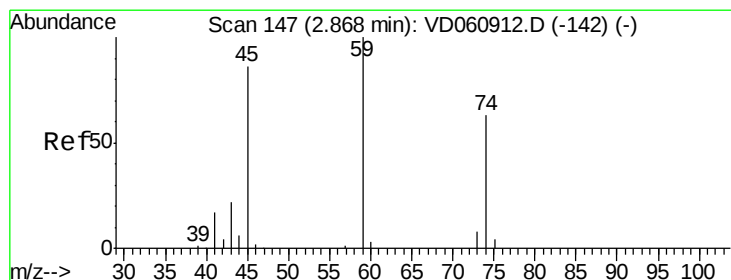
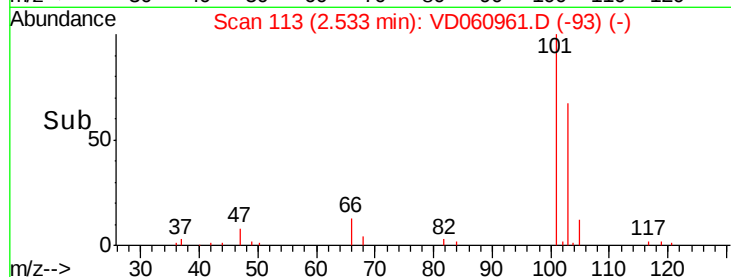
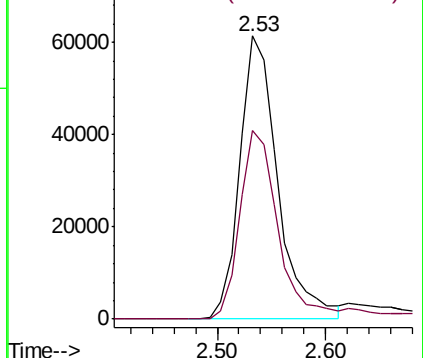
Trichlorofluoromethane
Concen: 20.069 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.00 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

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Tgt Ion:101 Resp: 150063
Ion Ratio Lower Upper
101 100
103 66.6 52.4 78.6



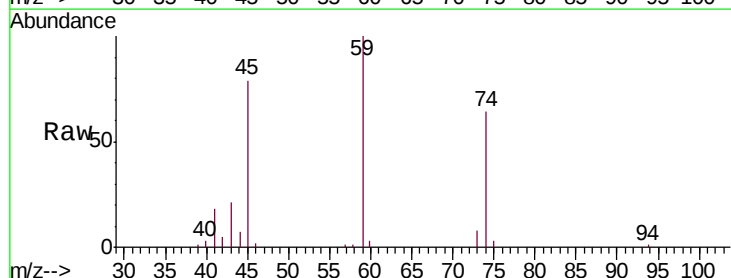
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



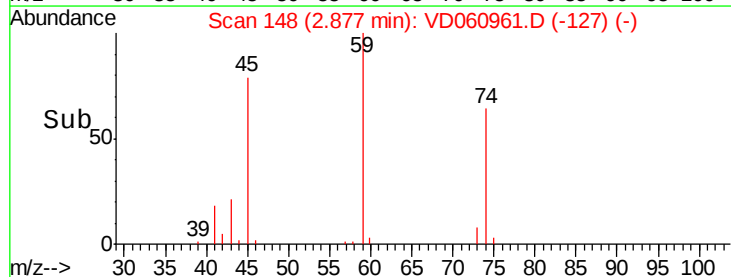
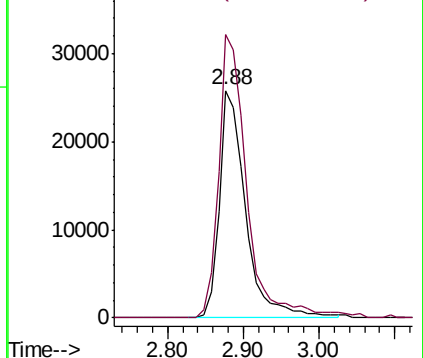
#8

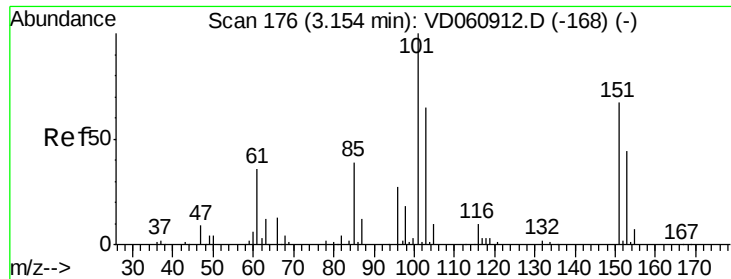
Diethyl Ether
Concen: 18.988 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 74 Resp: 62624
Ion Ratio Lower Upper
74 100
45 124.3 68.8 206.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.466 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.01 min

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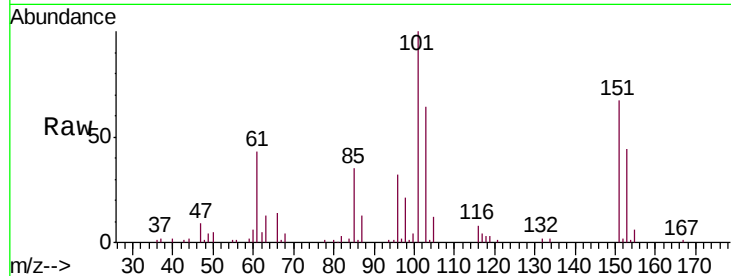
Tgt Ion:101 Resp: 207576

Ion Ratio Lower Upper

101 100

85 35.2 31.0 46.6

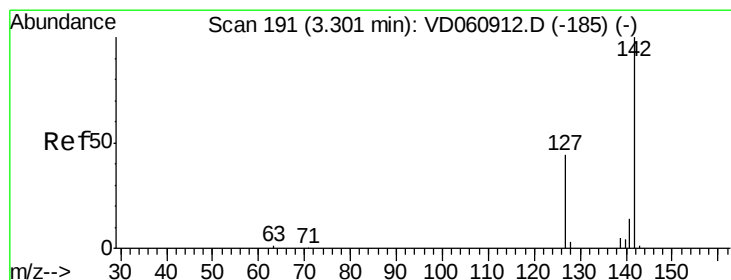
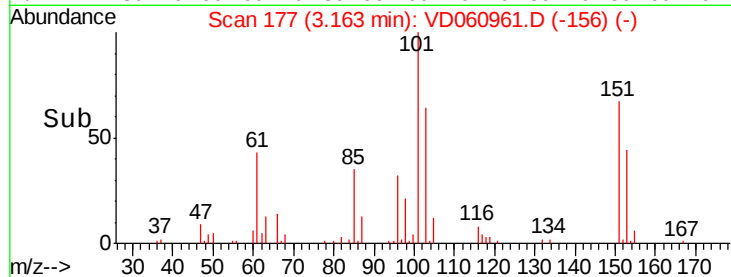
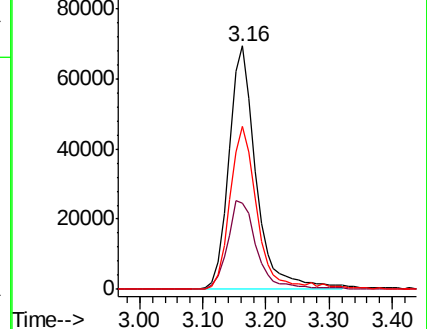
151 66.7 53.8 80.6



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: 18.905 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

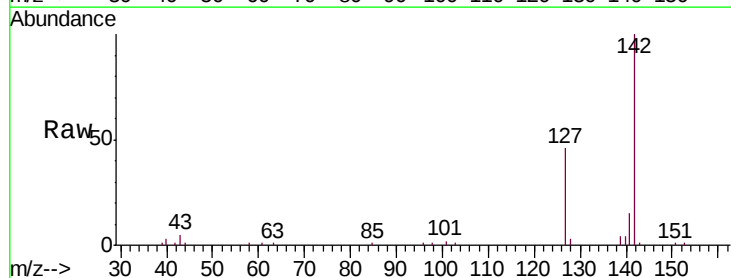
Tgt Ion:142 Resp: 228464

Ion Ratio Lower Upper

142 100

127 45.6 35.0 52.6

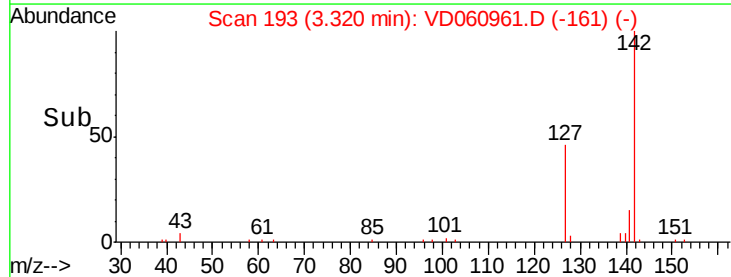
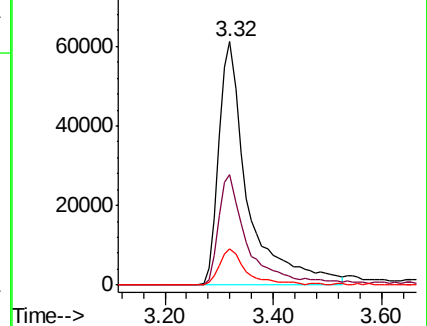
141 15.1 11.0 16.4

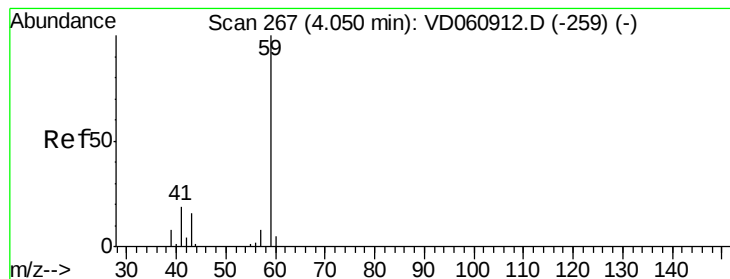


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



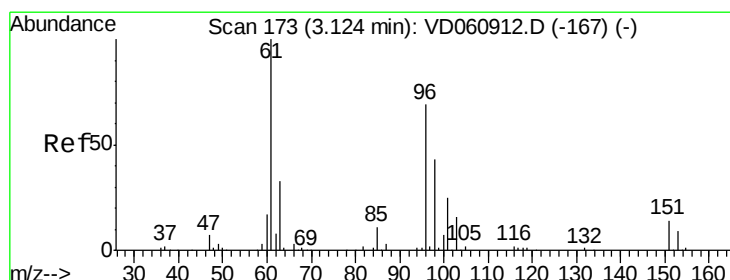
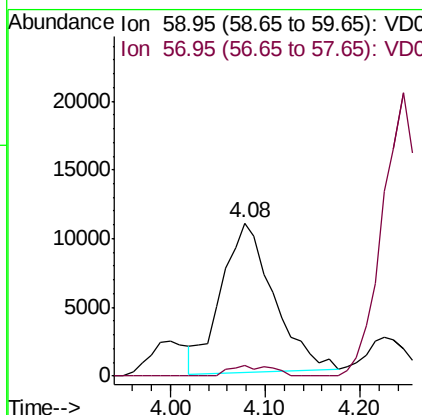
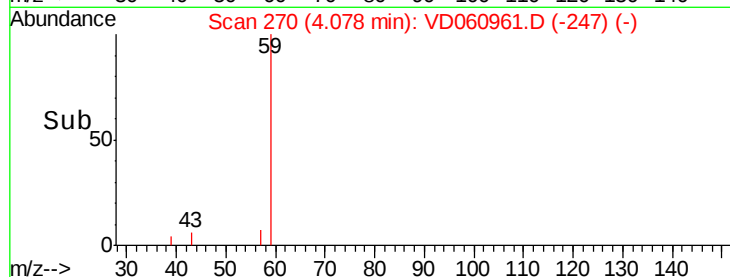
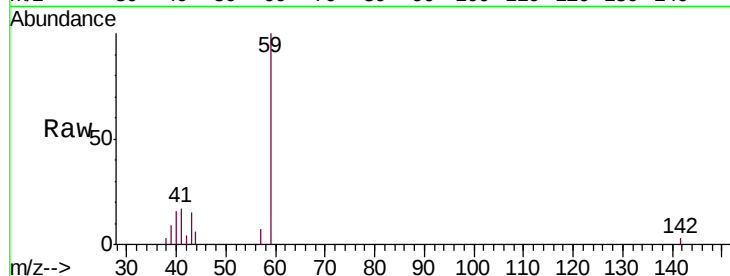


#11

Tert butyl alcohol
Concen: 89.700 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.03 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

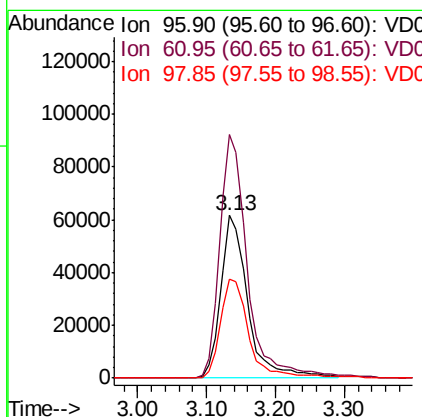
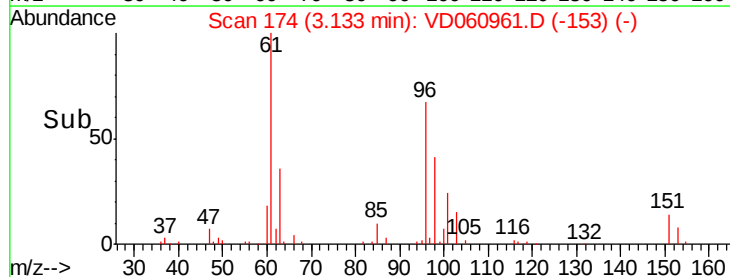
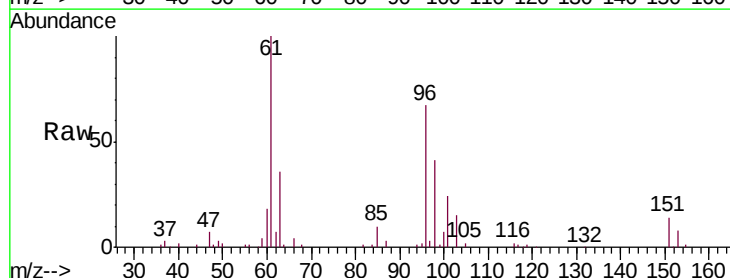
Tgt Ion: 59 Resp: 41446
Ion Ratio Lower Upper
59 100
57 7.1 6.5 9.7

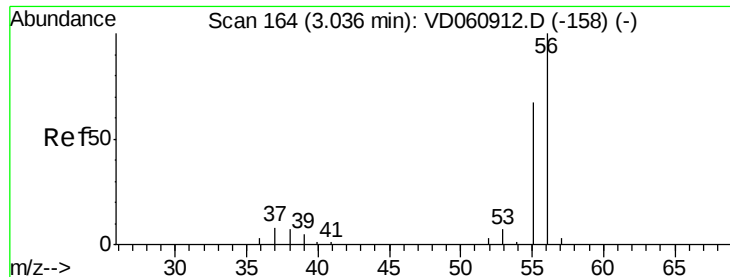


#12

1,1-Dichloroethene
Concen: 19.601 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 96 Resp: 168631
Ion Ratio Lower Upper
96 100
61 149.5 116.4 174.6
98 60.6 50.5 75.7

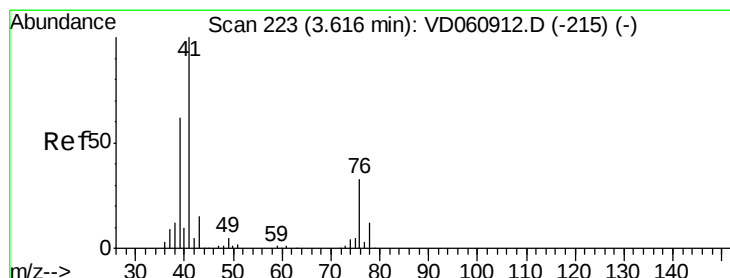
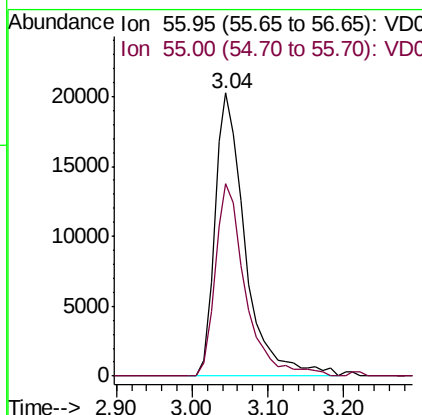
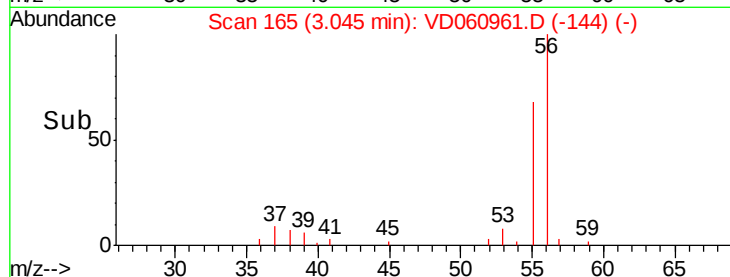
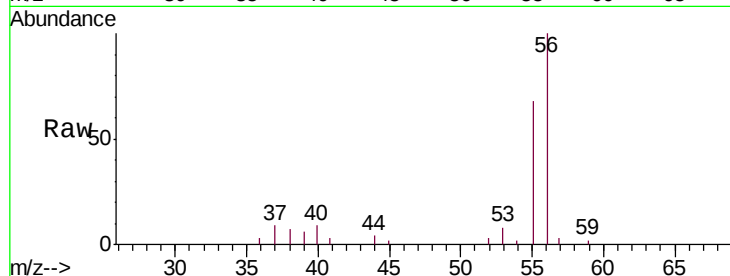




#13
Acrolein
Concen: 87.979 ug/l
RT: 3.04 min Scan# 165
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

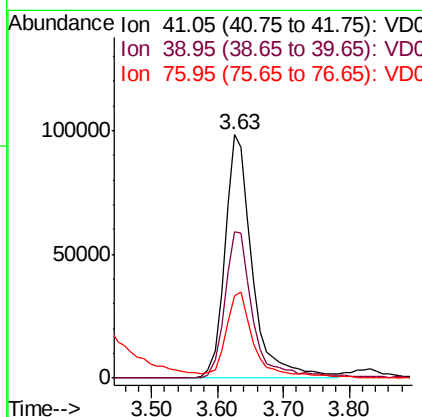
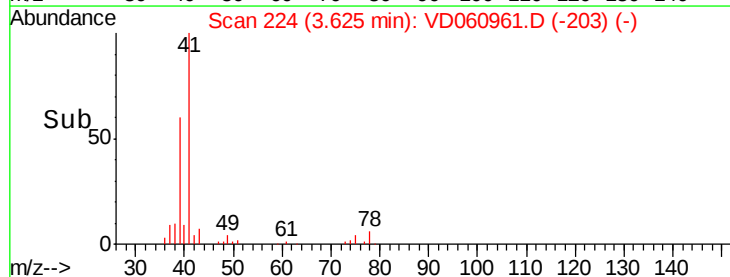
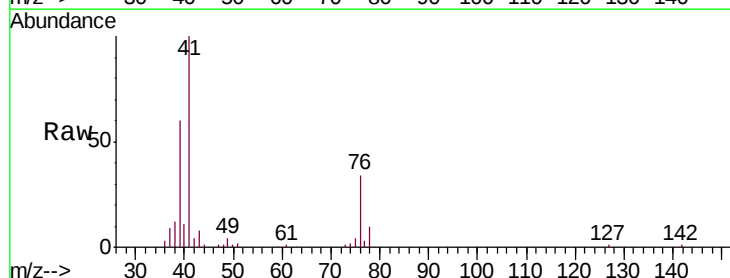
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

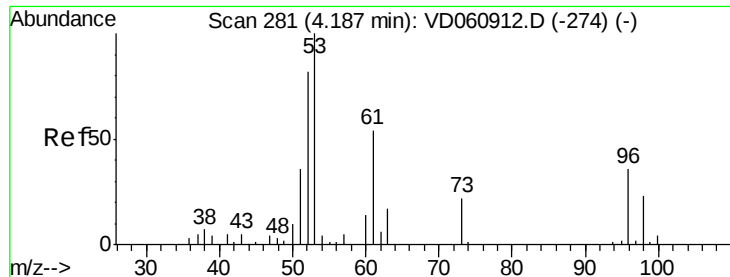
Tgt Ion: 56 Resp: 56294
Ion Ratio Lower Upper
56 100
55 68.0 53.5 80.3



#14
Allyl chloride
Concen: 20.434 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 41 Resp: 286739
Ion Ratio Lower Upper
41 100
39 60.4 49.9 74.9
76 33.7 28.6 42.8





#15

Acrylonitrile

Concen: 95.630 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

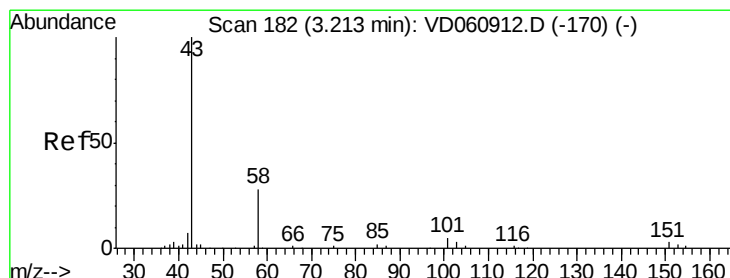
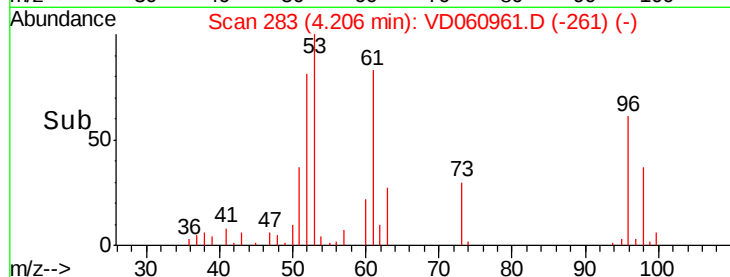
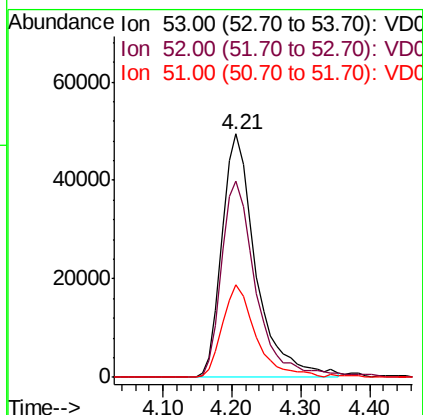
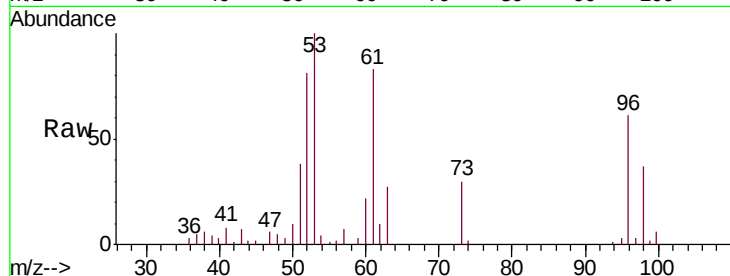
Tgt Ion: 53 Resp: 169187

Ion Ratio Lower Upper

53 100

52 80.8 65.8 98.6

51 37.9 28.9 43.3



#16

Acetone

Concen: 94.414 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060961.D

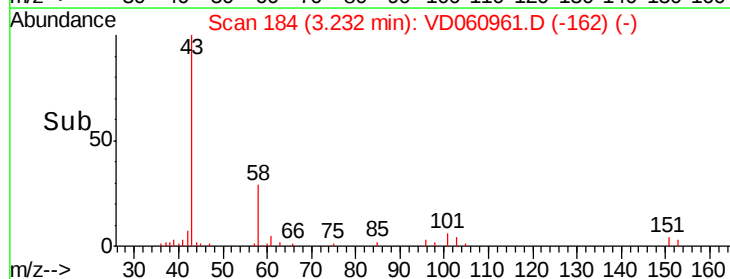
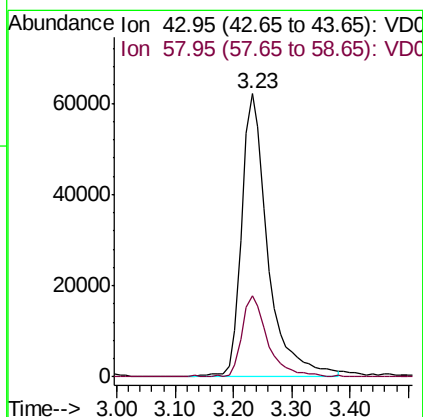
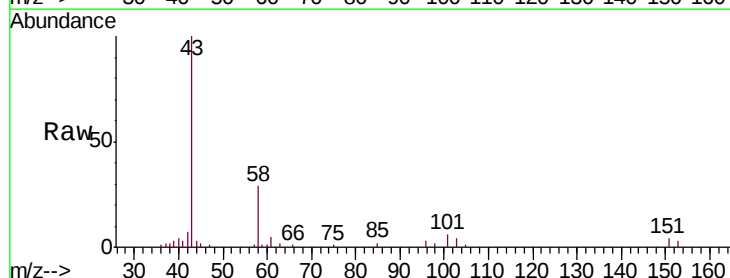
Acq: 6 Mar 2019 13:19

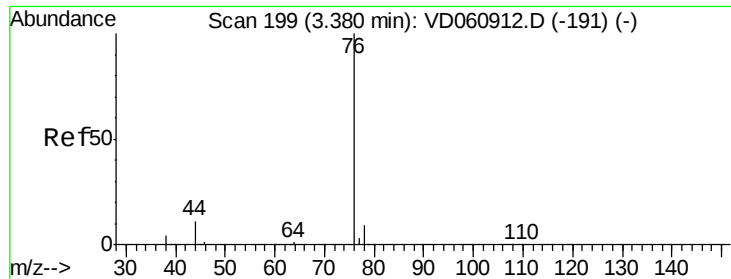
Tgt Ion: 43 Resp: 195431

Ion Ratio Lower Upper

43 100

58 28.6 22.8 34.2

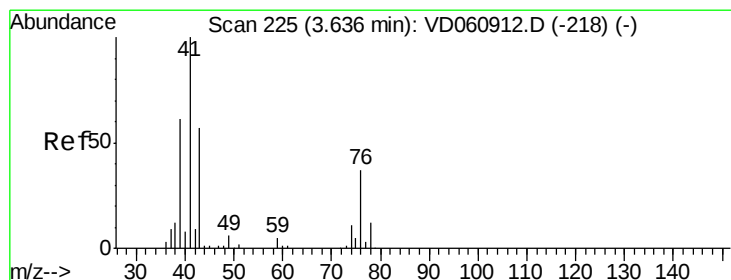
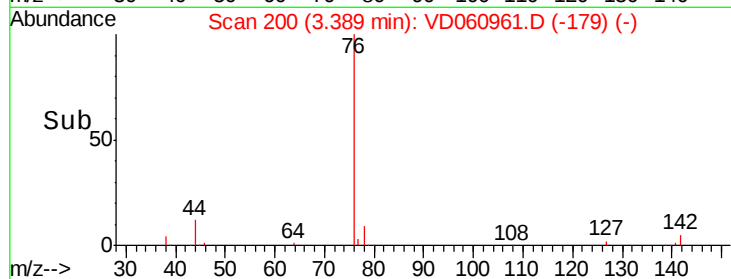
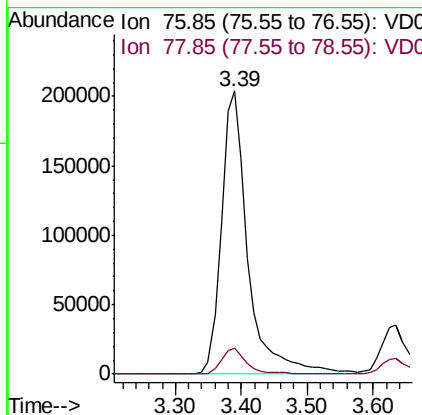
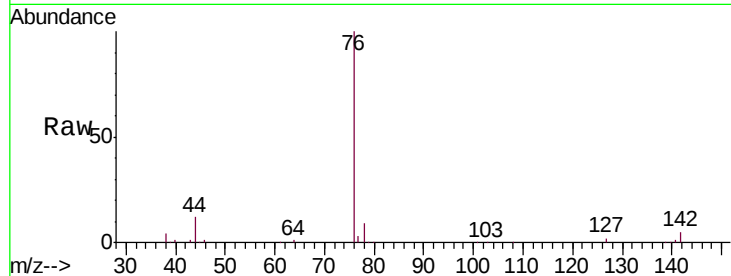




#17
Carbon Disulfide
Concen: 18.642 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

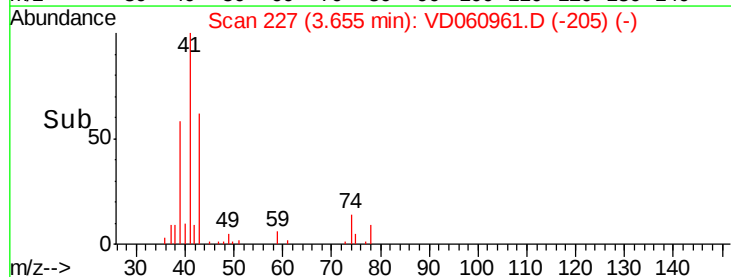
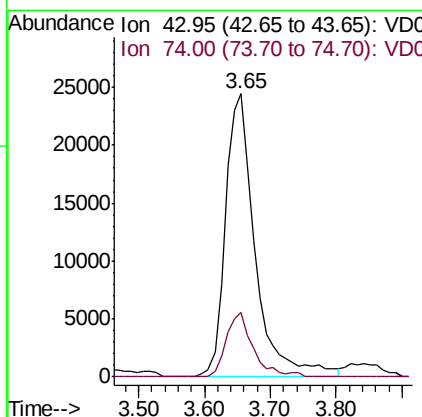
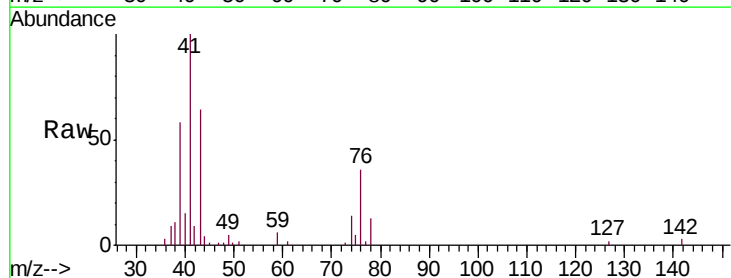
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

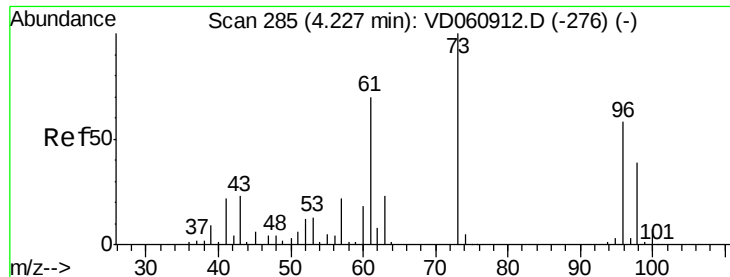
Tgt Ion: 76 Resp: 568496
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 18.272 ug/l
RT: 3.65 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 43 Resp: 77443
Ion Ratio Lower Upper
43 100
74 22.6 16.1 24.1

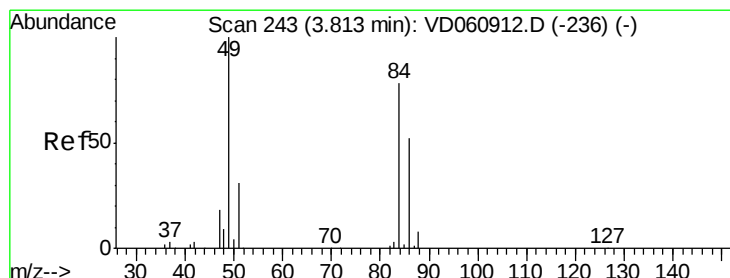
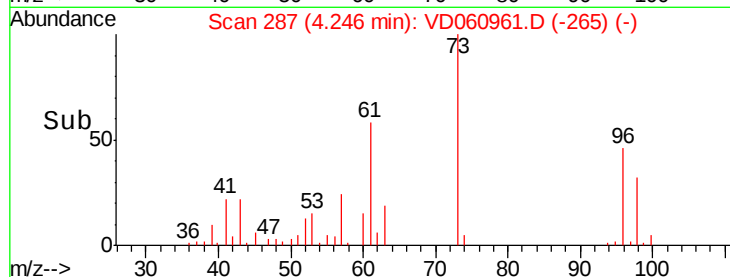
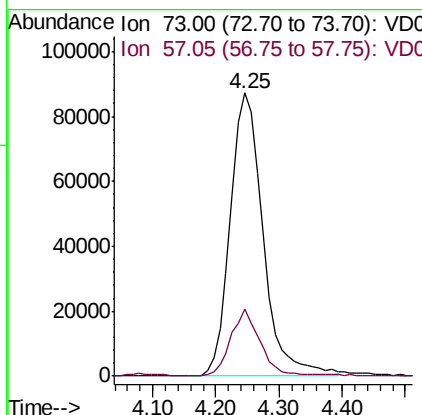
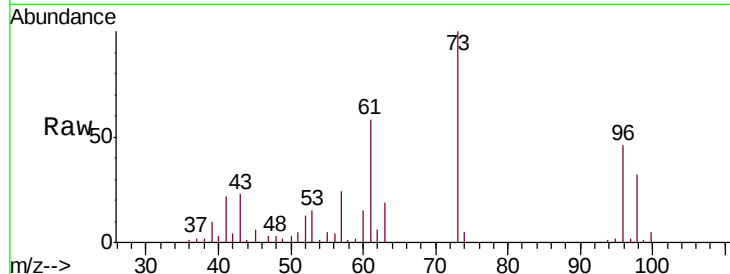




#19
Methyl tert-butyl Ether
Concen: 20.838 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

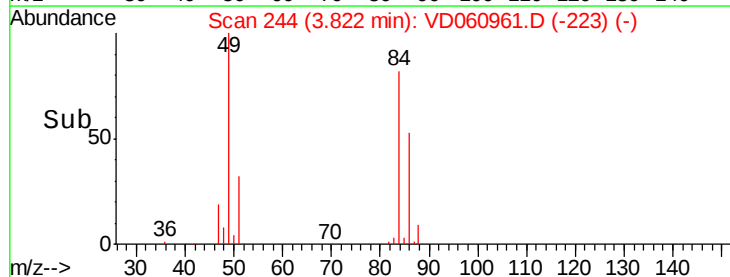
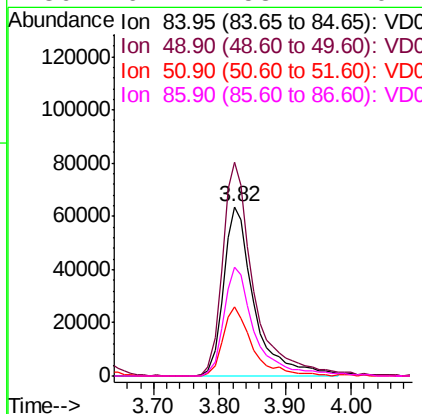
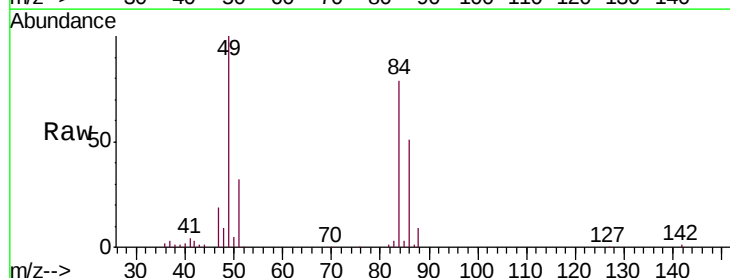
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

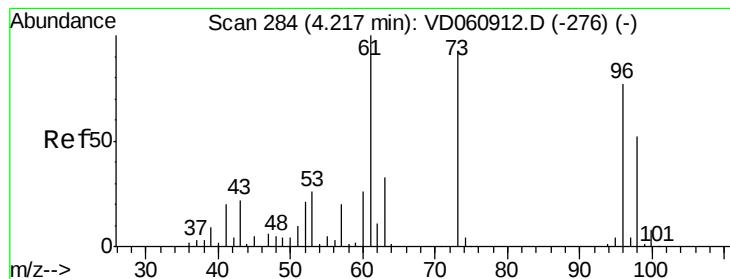
Tgt Ion: 73 Resp: 315325
Ion Ratio Lower Upper
73 100
57 23.6 17.8 26.6



#20
Methylene Chloride
Concen: 18.657 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 84 Resp: 205662
Ion Ratio Lower Upper
84 100
49 126.2 102.4 153.6
51 40.6 31.9 47.9
86 64.2 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 20.555 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

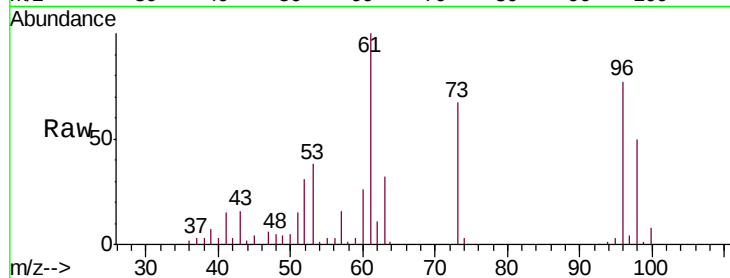
Tgt Ion: 96 Resp: 192509

Ion Ratio Lower Upper

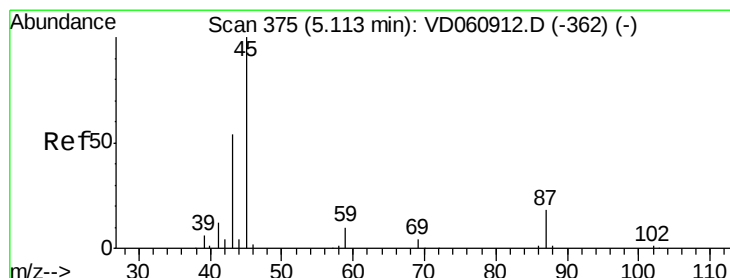
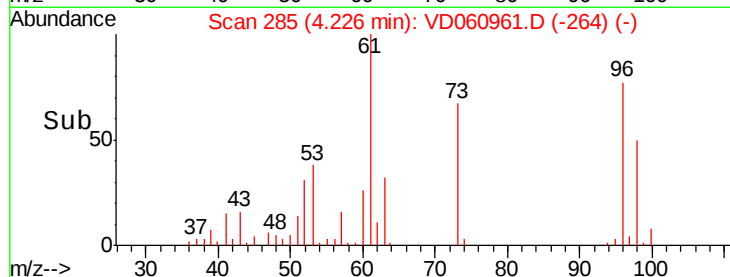
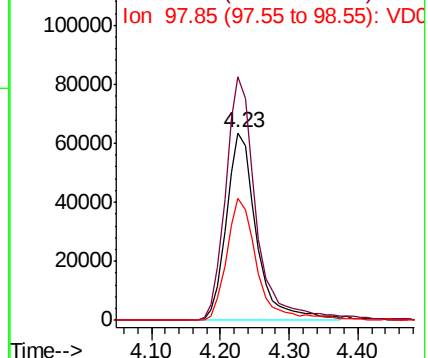
96 100

61 129.8 103.4 155.2

98 64.9 53.6 80.4



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: 19.341 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Tgt Ion: 45 Resp: 576276

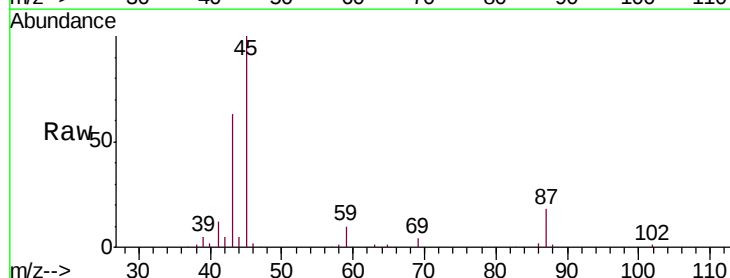
Ion Ratio Lower Upper

45 100

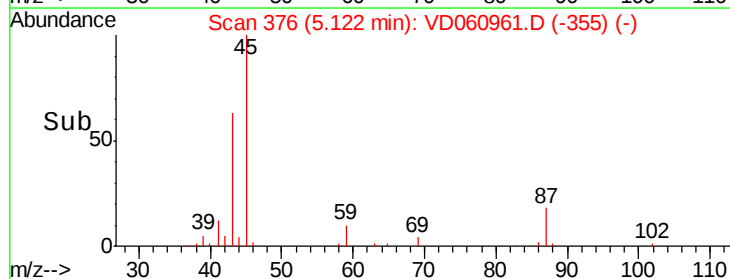
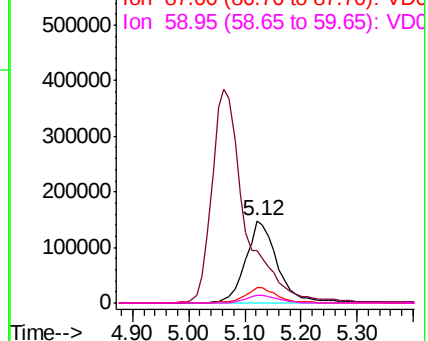
43 63.2 44.4 66.6

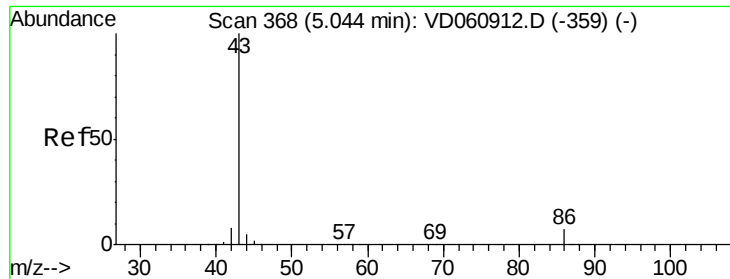
87 18.4 14.7 22.1

59 9.8 7.9 11.9



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: 100.595 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

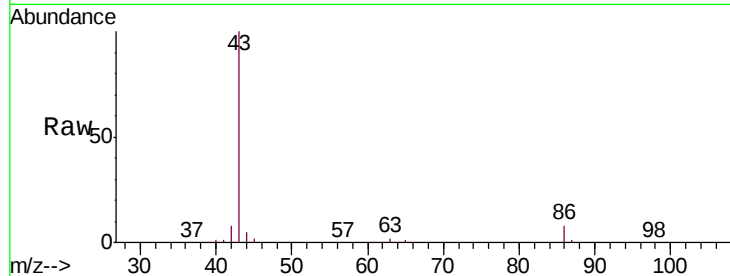
VD0306SBS01

Tgt Ion: 43 Resp: 1574018

Ion Ratio Lower Upper

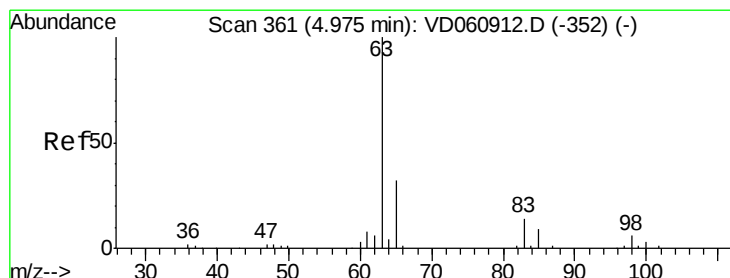
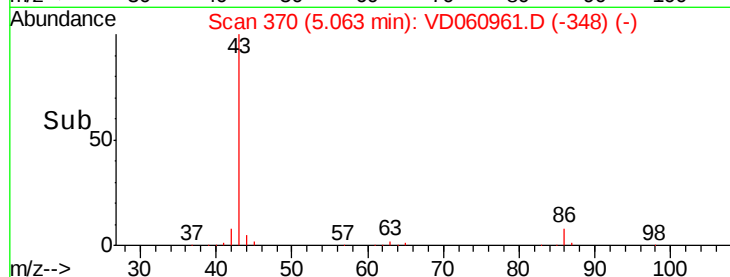
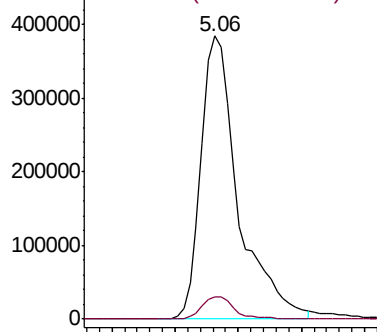
43 100

86 8.1 5.8 8.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.629 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

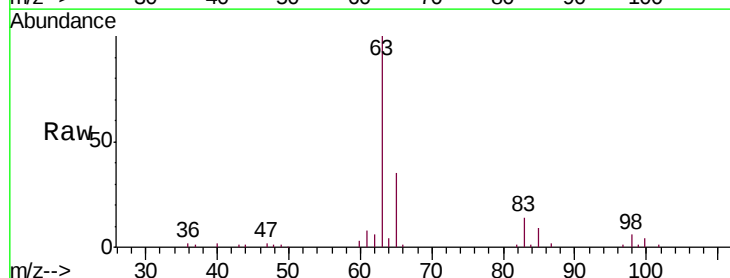
Tgt Ion: 63 Resp: 311920

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

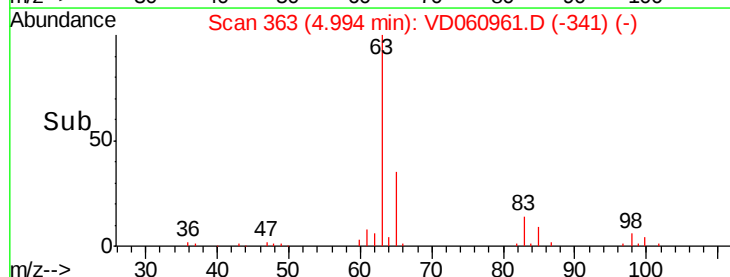
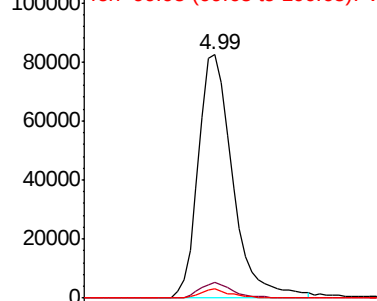
100 4.1 1.7 5.1

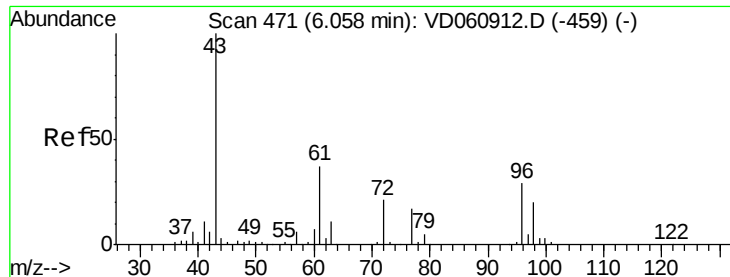


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 94.271 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

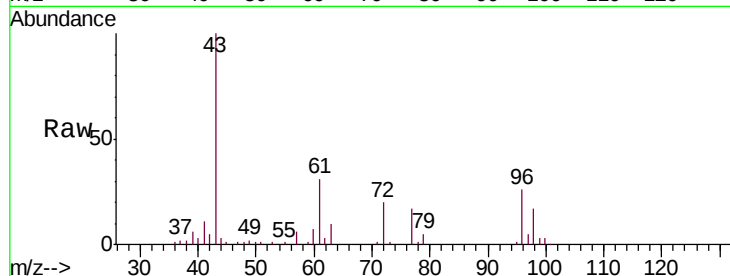
VD0306SBS01

Tgt Ion: 43 Resp: 242066

Ion Ratio Lower Upper

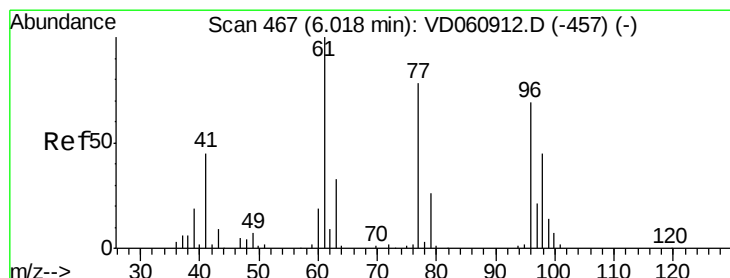
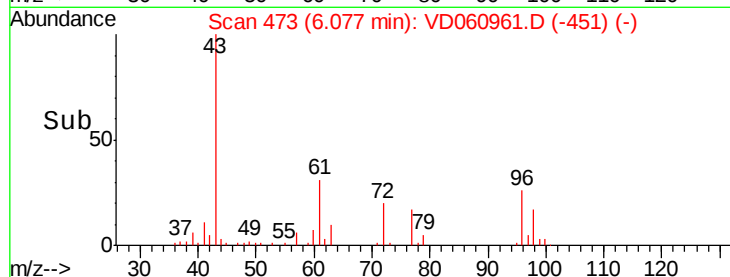
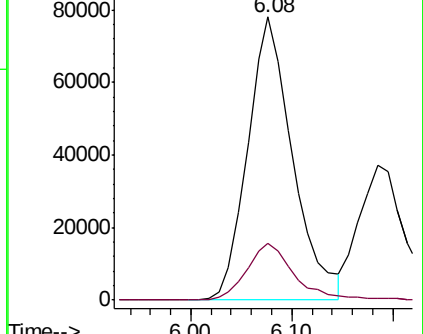
43 100

72 20.1 17.0 25.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.160 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060961.D

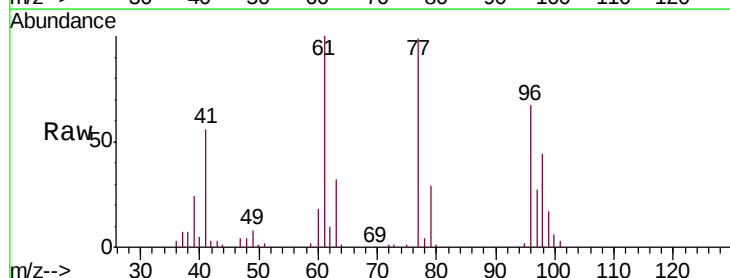
Acq: 6 Mar 2019 13:19

Tgt Ion: 77 Resp: 249790

Ion Ratio Lower Upper

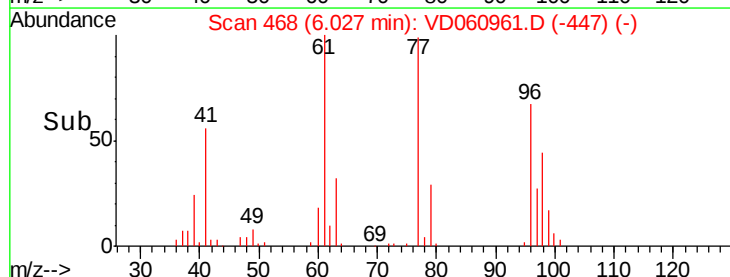
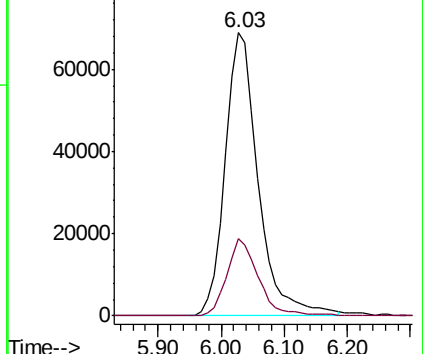
77 100

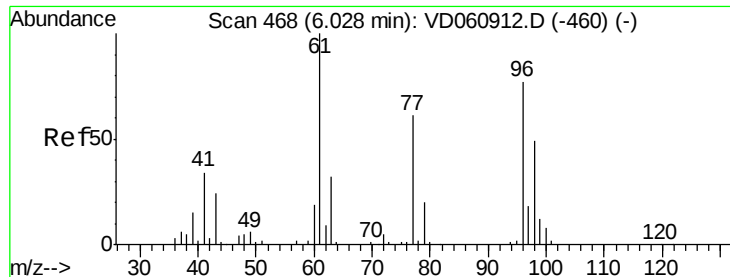
97 27.4 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



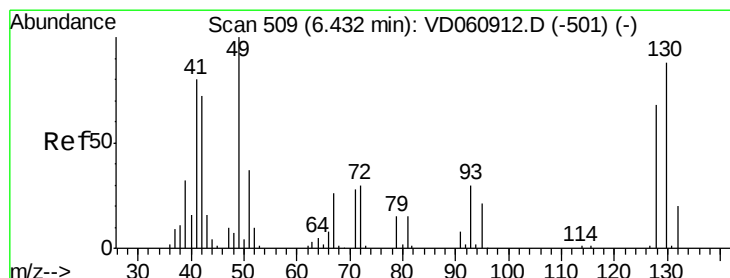
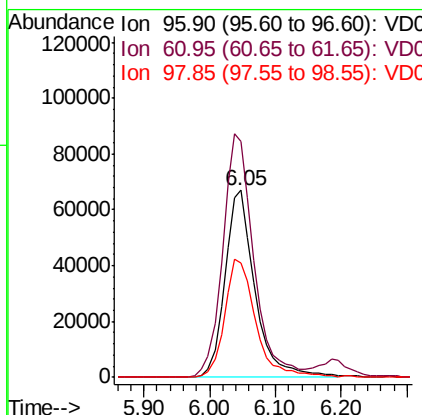
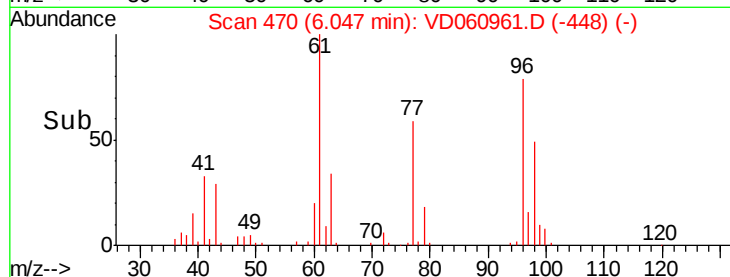
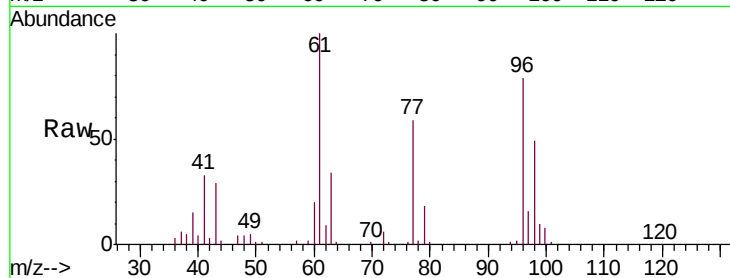


#27

cis-1,2-Dichloroethene
Concen: 20.096 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.02 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

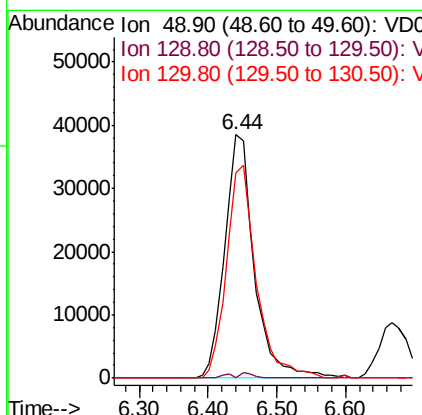
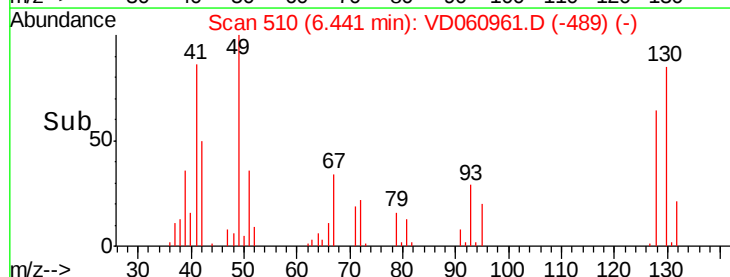
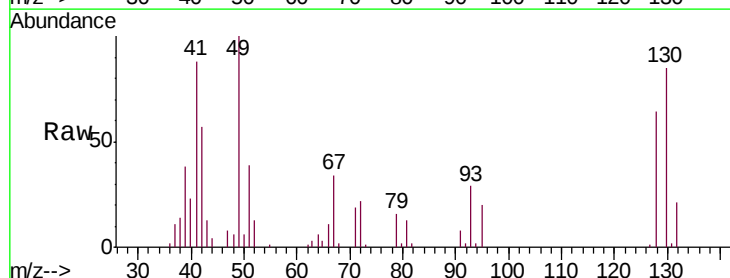
Tgt Ion: 96 Resp: 213401
Ion Ratio Lower Upper
96 100
61 126.0 0.0 258.8
98 61.4 0.0 126.4

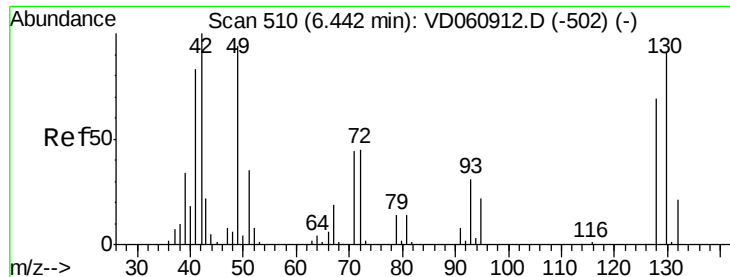


#28

Bromochloromethane
Concen: 17.137 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 49 Resp: 114387
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 84.5 70.4 105.6





#29

Tetrahydrofuran

Concen: 96.710 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

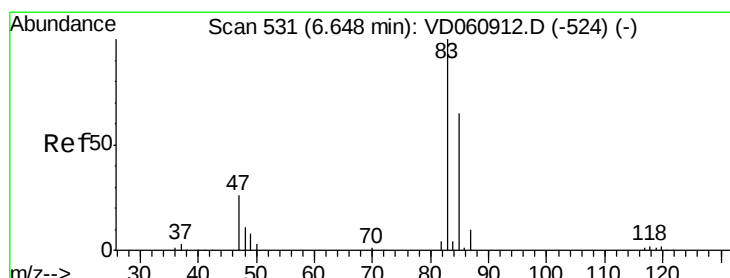
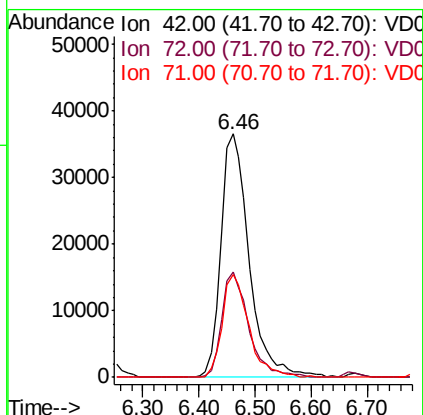
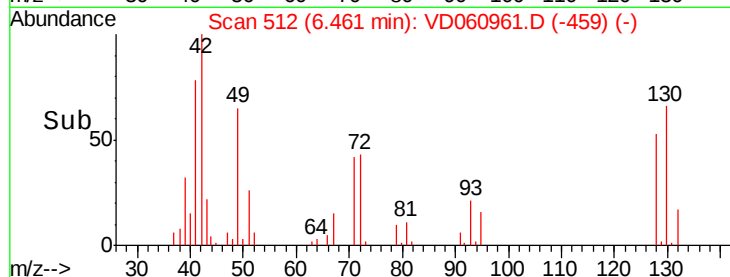
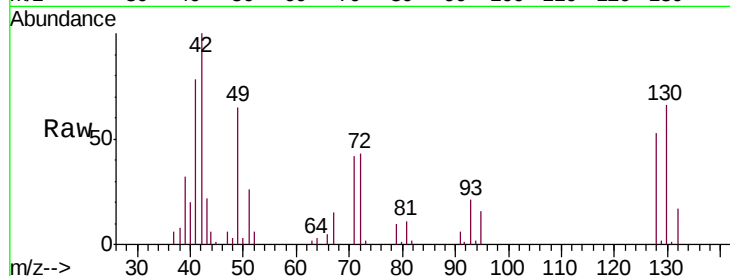
Tgt Ion: 42 Resp: 127823

Ion Ratio Lower Upper

42 100

72 41.2 33.8 50.6

71 39.6 33.5 50.3



#30

Chloroform

Concen: 19.900 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.02 min

Lab File: VD060961.D

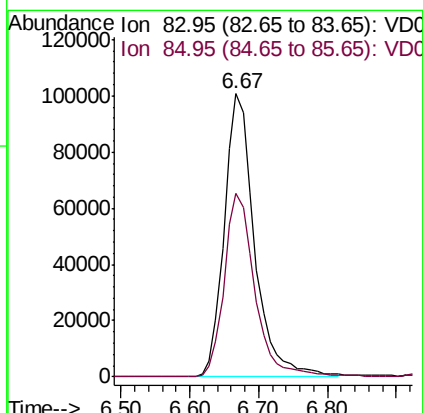
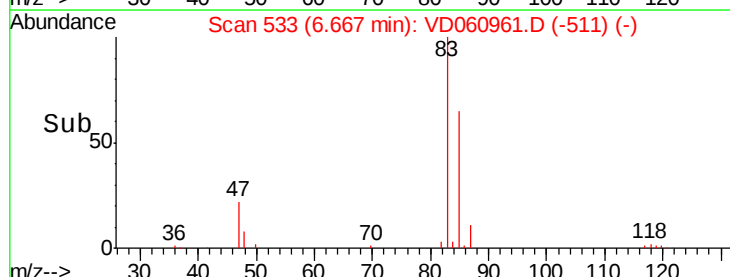
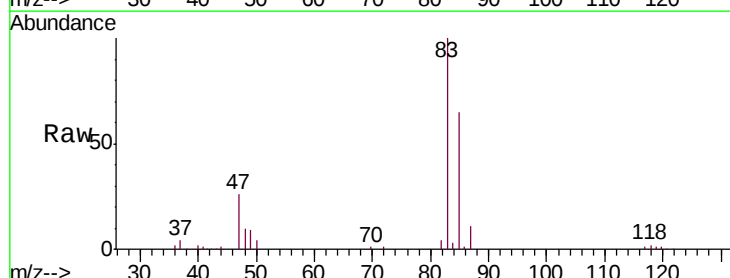
Acq: 6 Mar 2019 13:19

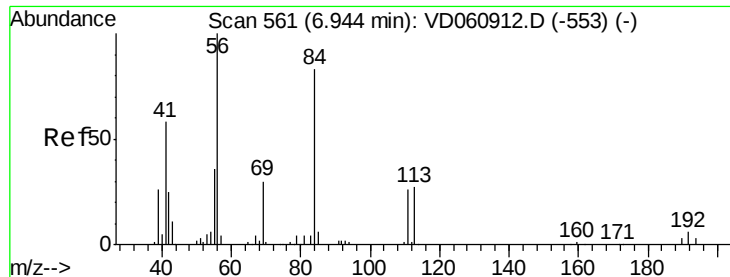
Tgt Ion: 83 Resp: 306703

Ion Ratio Lower Upper

83 100

85 65.0 51.7 77.5

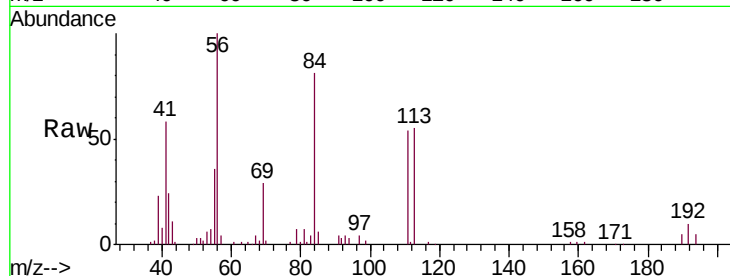




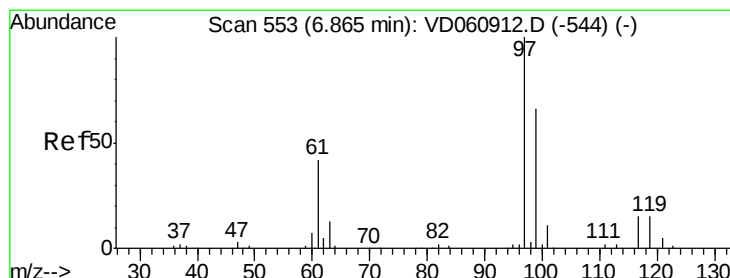
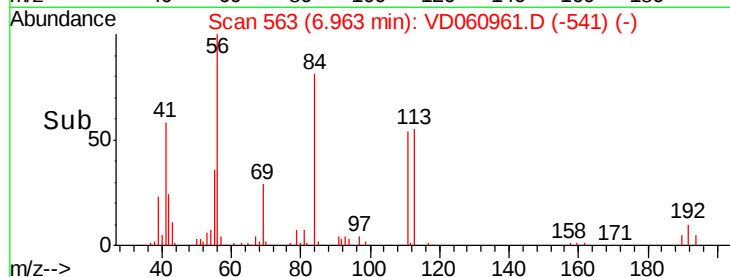
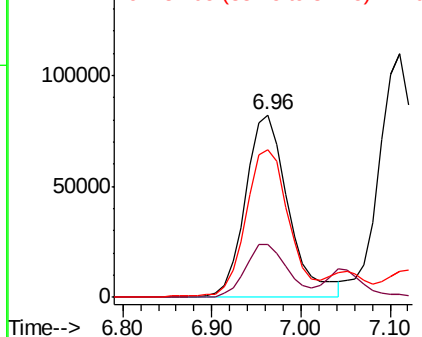
#31
Cyclohexane
Concen: 20.049 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Tgt Ion: 56 Resp: 274397
Ion Ratio Lower Upper
56 100
69 29.0 23.6 35.4
84 81.4 66.5 99.7

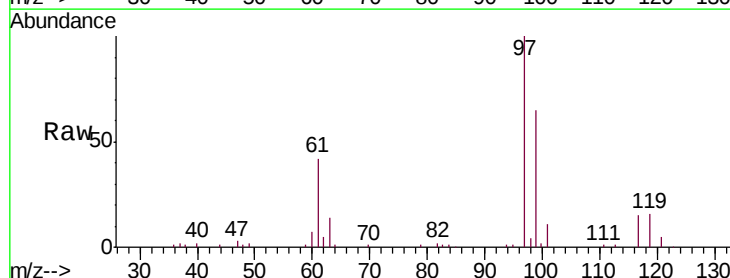


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

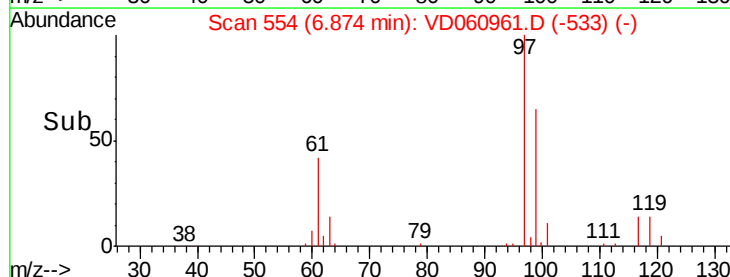
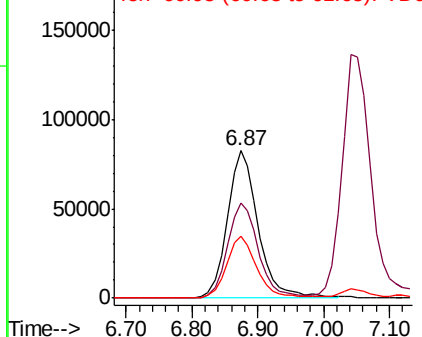


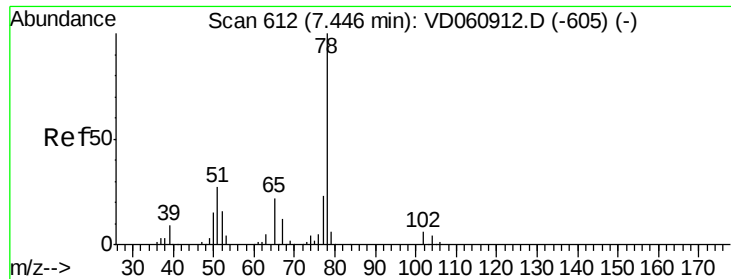
#32
1,1,1-Trichloroethane
Concen: 20.454 ug/l
RT: 6.87 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 97 Resp: 269937
Ion Ratio Lower Upper
97 100
99 65.0 52.8 79.2
61 42.3 33.3 49.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.454 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

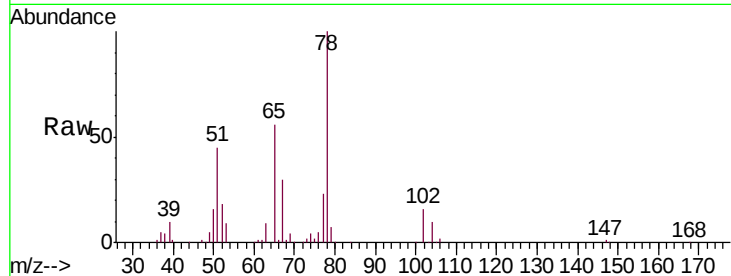
VD0306SBS01

Tgt Ion: 65 Resp: 339578

Ion Ratio Lower Upper

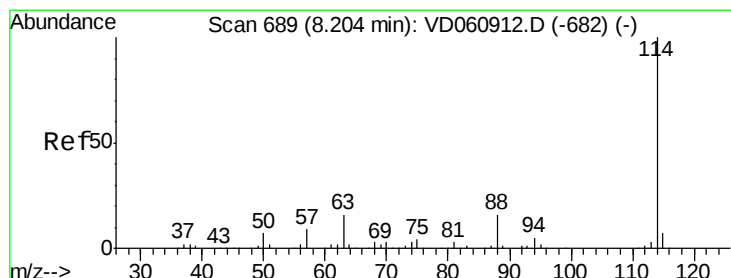
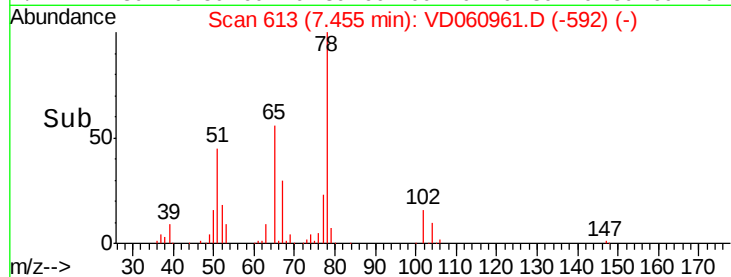
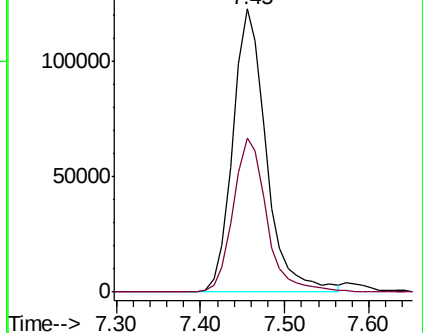
65 100

67 54.4 0.0 109.4



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: 8.22 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

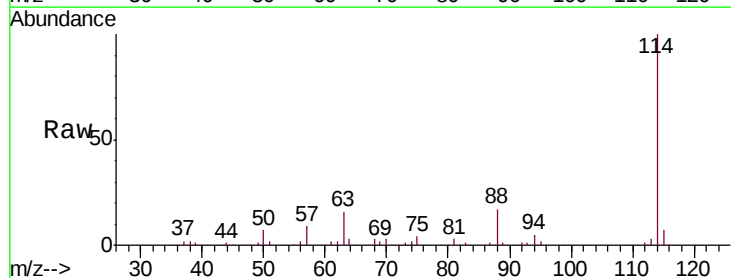
Tgt Ion: 114 Resp: 1247803

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.0

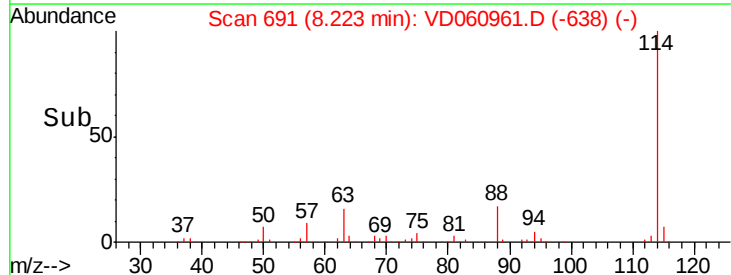
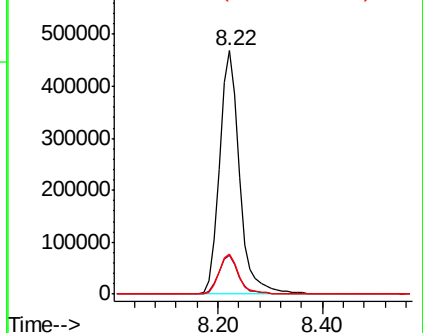
88 16.5 0.0 32.8

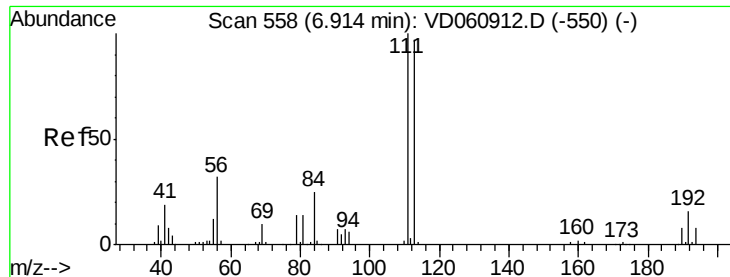


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

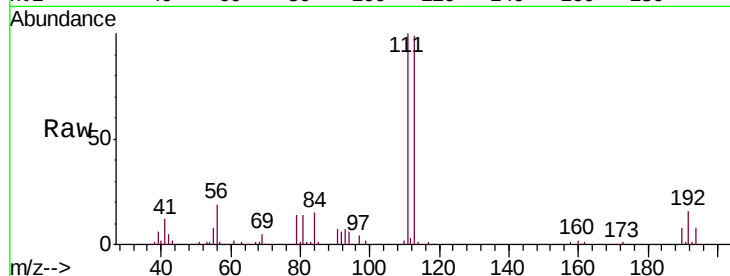
Tgt Ion:113 Resp: 525472

Ion Ratio Lower Upper

113 100

111 100.8 82.6 124.0

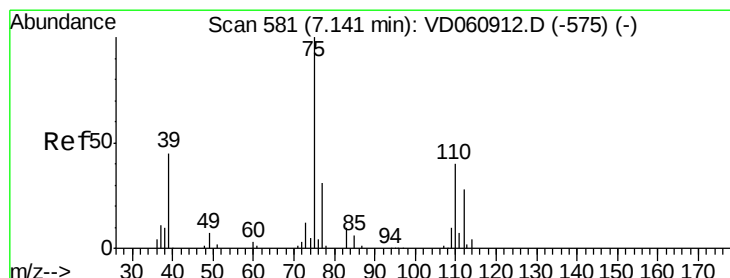
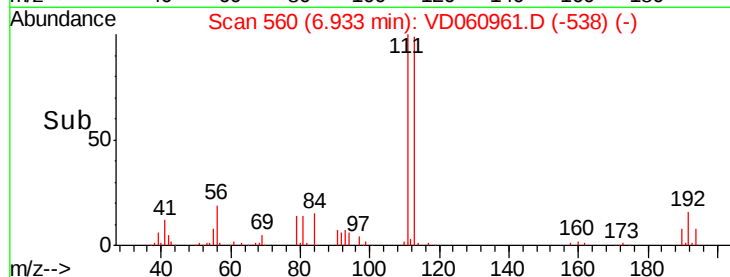
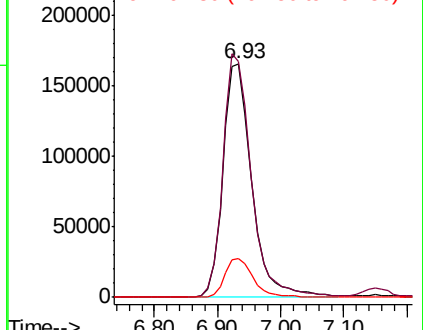
192 16.5 13.4 20.2



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.579 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

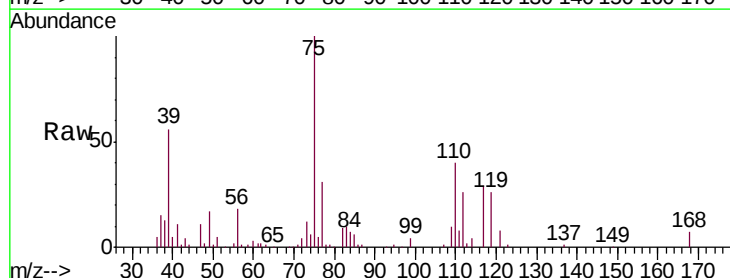
Tgt Ion: 75 Resp: 247563

Ion Ratio Lower Upper

75 100

110 39.6 19.9 59.7

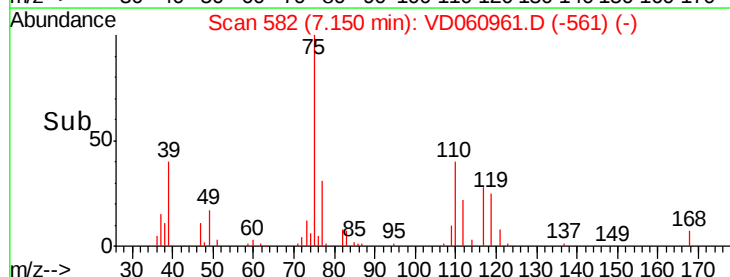
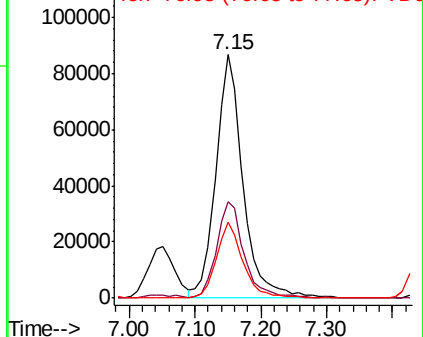
77 31.2 25.0 37.6

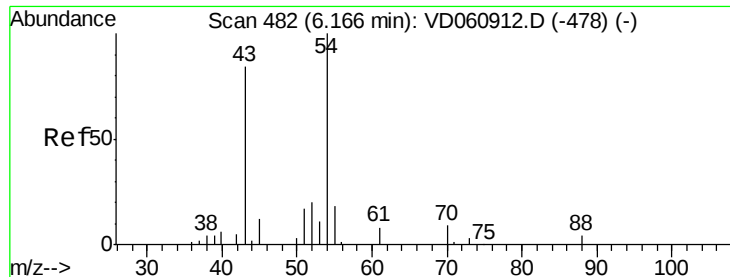


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

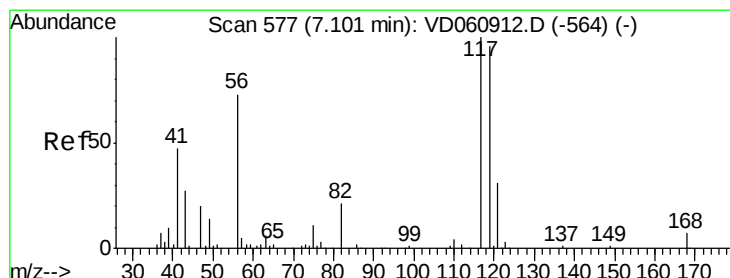
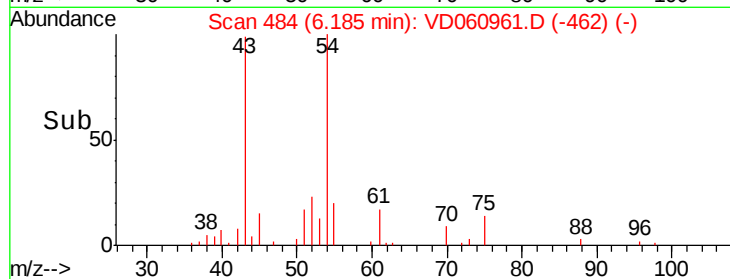
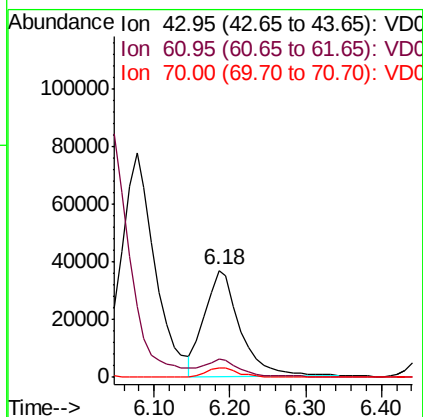
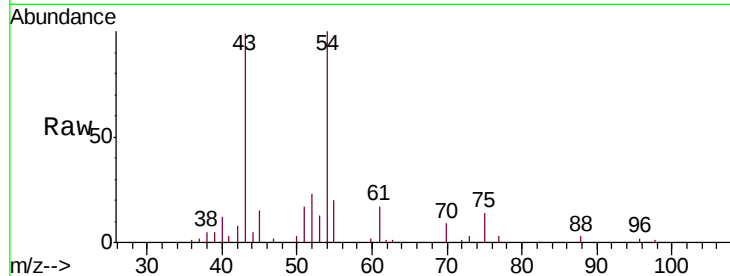




#37
Ethyl Acetate
Concen: 20.155 ug/l
RT: 6.18 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

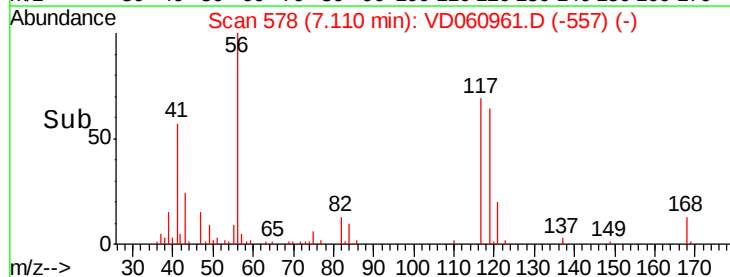
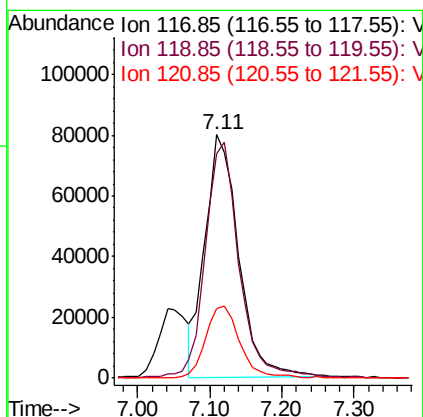
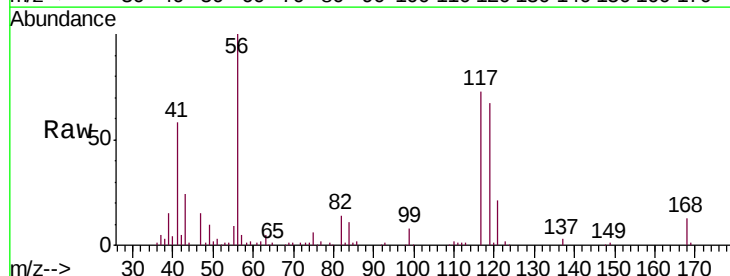
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

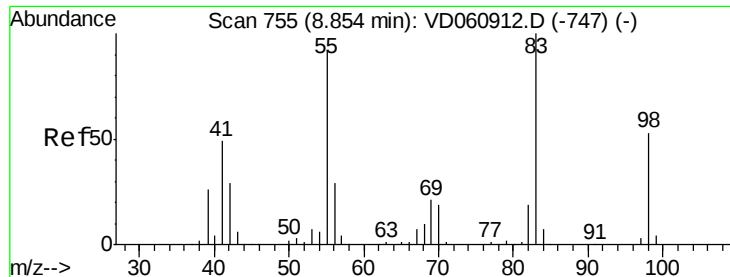
Tgt Ion: 43 Resp: 118868
Ion Ratio Lower Upper
43 100
61 17.4 12.1 18.1
70 9.0 7.3 10.9



#38
Carbon Tetrachloride
Concen: 20.957 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 117 Resp: 258307
Ion Ratio Lower Upper
117 100
119 91.9 76.9 115.3
121 28.6 24.5 36.7

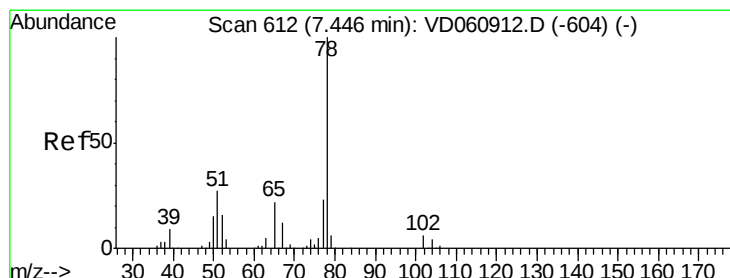
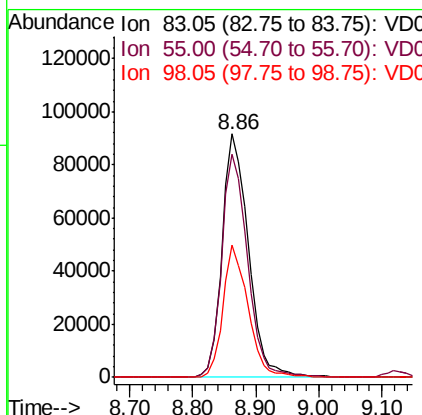
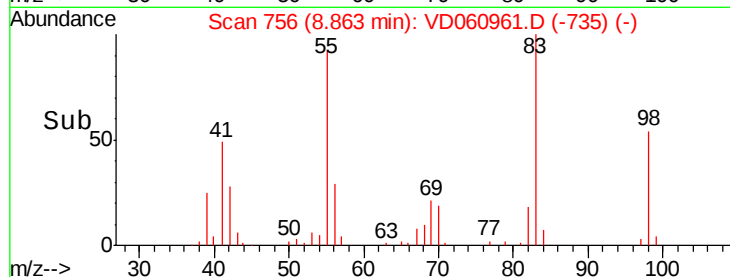
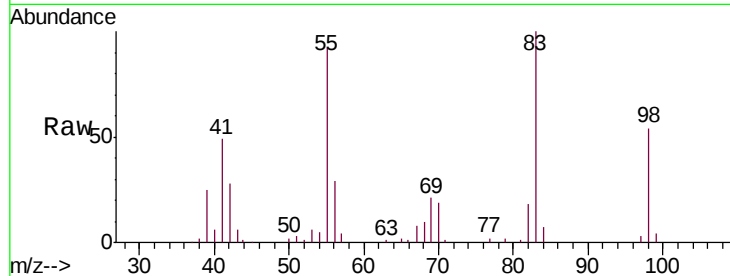




#39
Methylcyclohexane
Concen: 21.131 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

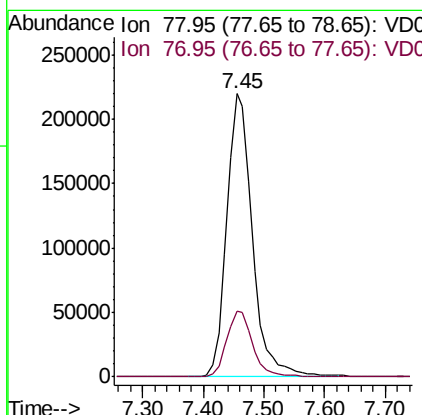
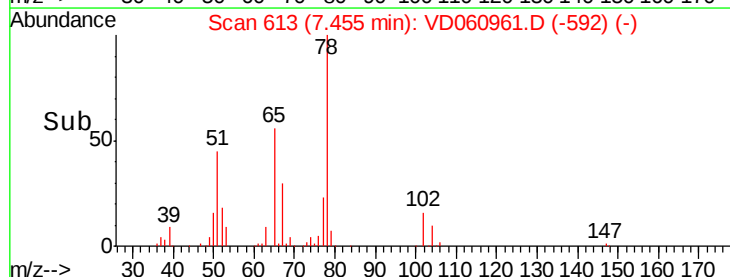
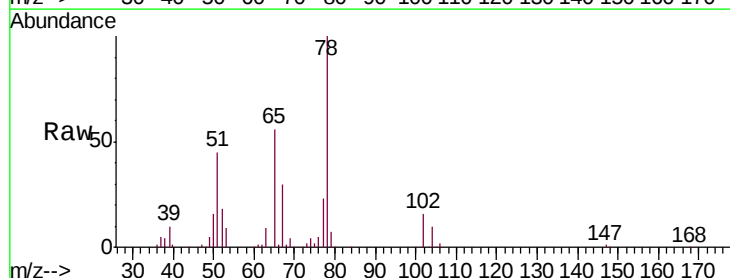
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

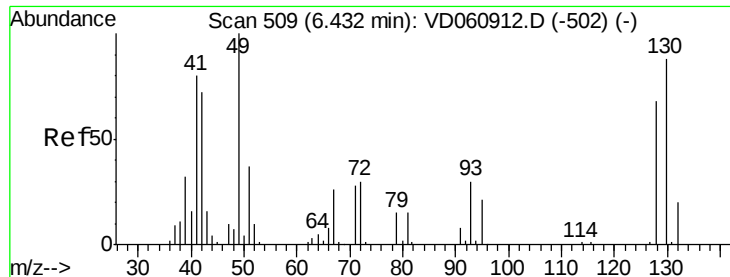
Tgt Ion: 83 Resp: 264997
Ion Ratio Lower Upper
83 100
55 91.7 73.8 110.8
98 54.1 42.4 63.6



#40
Benzene
Concen: 22.046 ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 78 Resp: 644135
Ion Ratio Lower Upper
78 100
77 23.4 18.4 27.6





#41

Methacrylonitrile

Concen: 36.837 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

Tgt Ion: 41 Resp: 135723

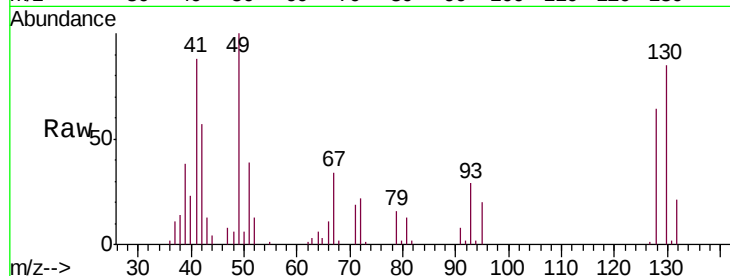
Ion Ratio Lower Upper

41 100

39 43.3 32.1 48.1

67 38.3 25.6 38.4

52 14.2 9.7 14.5

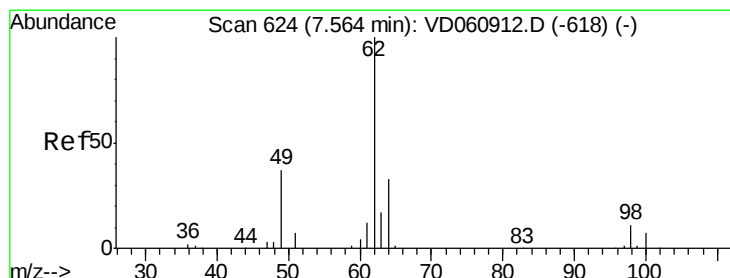
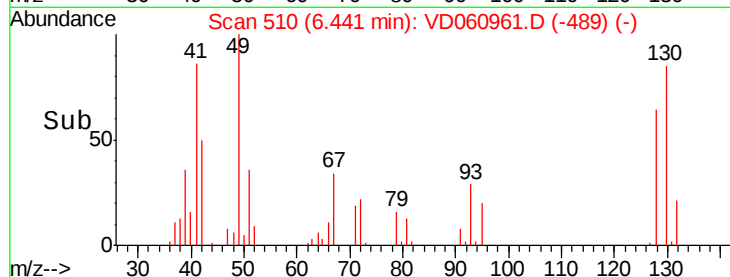
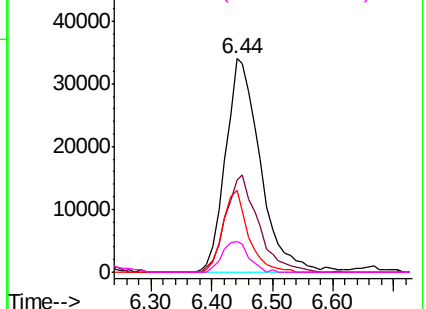


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.480 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD060961.D

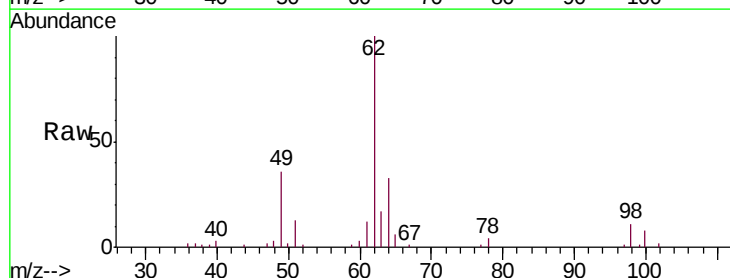
Acq: 6 Mar 2019 13:19

Tgt Ion: 62 Resp: 168363

Ion Ratio Lower Upper

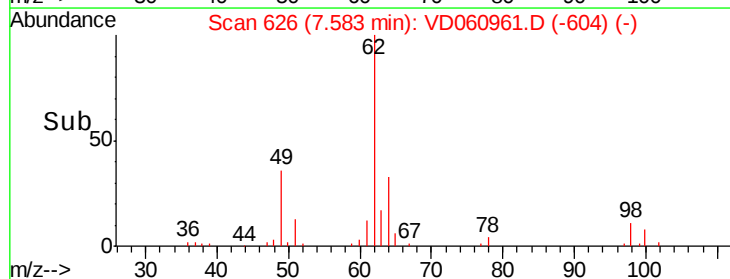
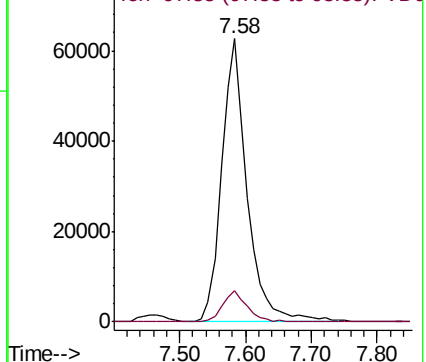
62 100

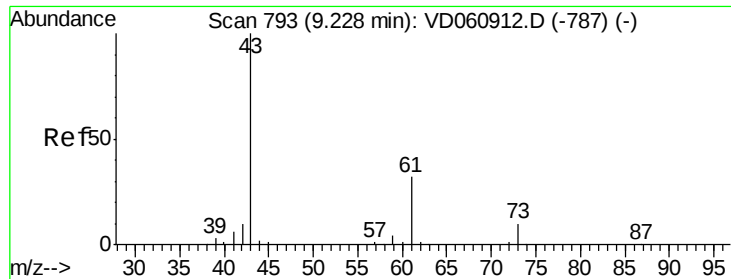
98 11.1 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



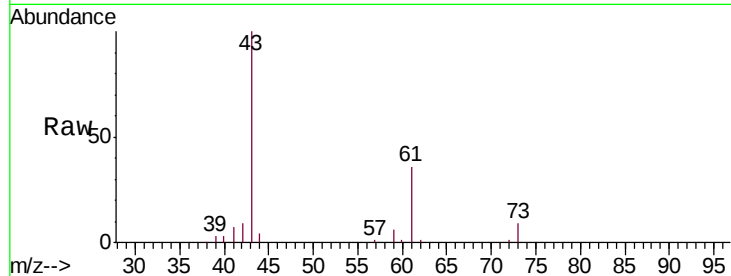


#43

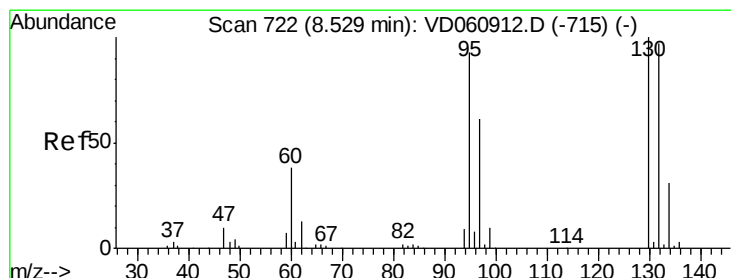
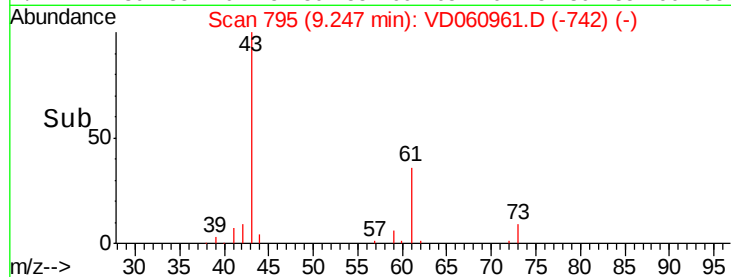
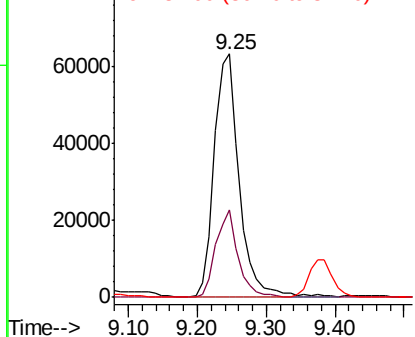
Isopropyl Acetate
 Concen: 19.457 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

Tgt Ion: 43 Resp: 159997
 Ion Ratio Lower Upper
 43 100
 61 36.0 25.6 38.4
 87 0.0 0.2 0.4#



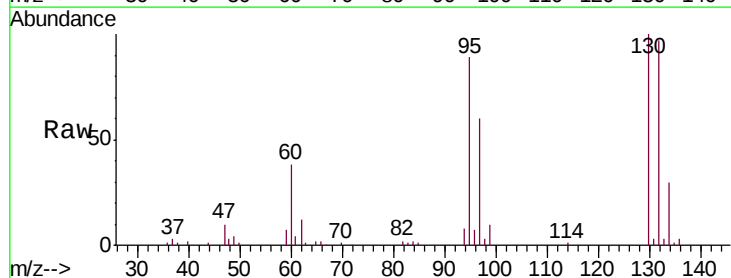
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



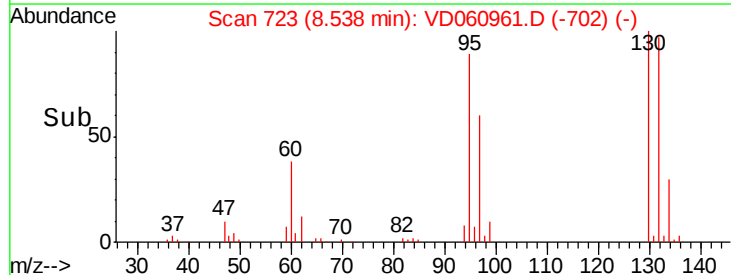
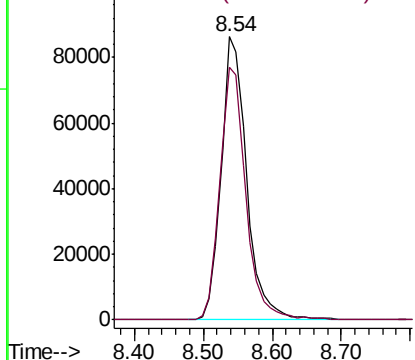
#44

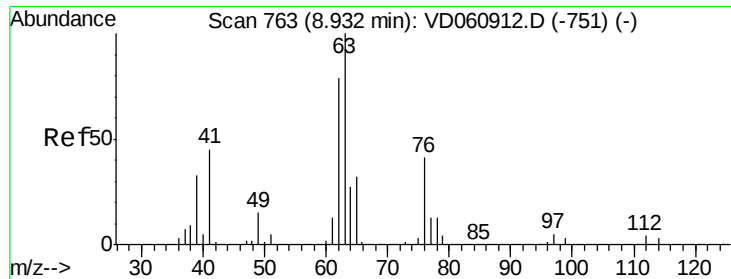
Trichloroethene
 Concen: 22.092 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion: 130 Resp: 221052
 Ion Ratio Lower Upper
 130 100
 95 89.4 0.0 185.8



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

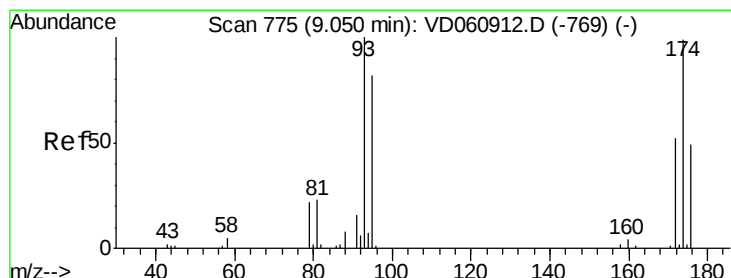
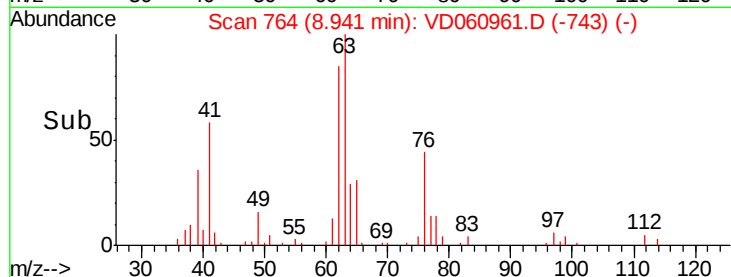
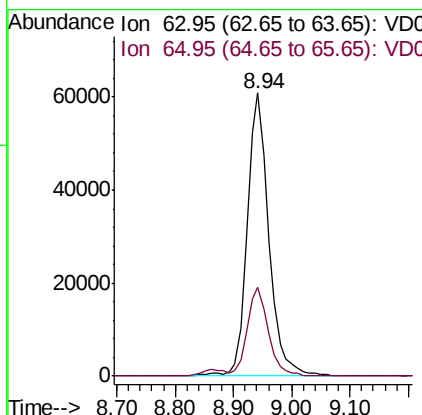
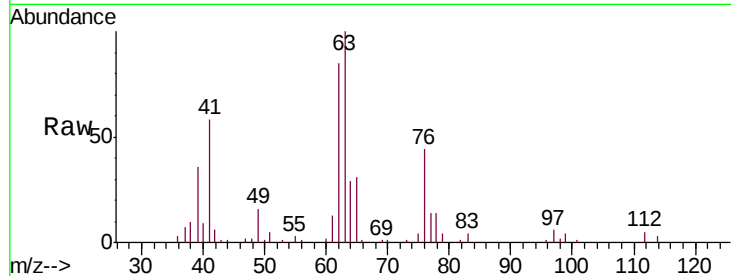




#45
 1,2-Dichloropropane
 Concen: 20.363 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

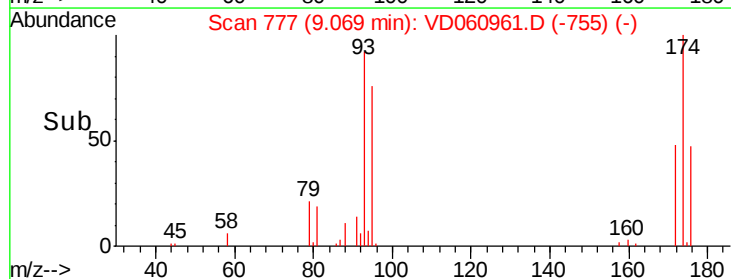
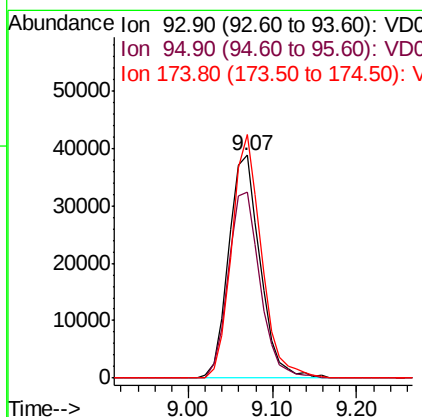
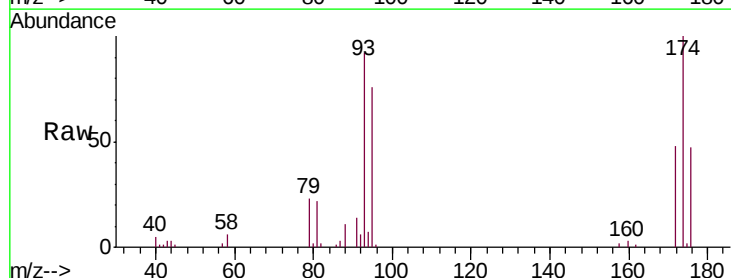
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

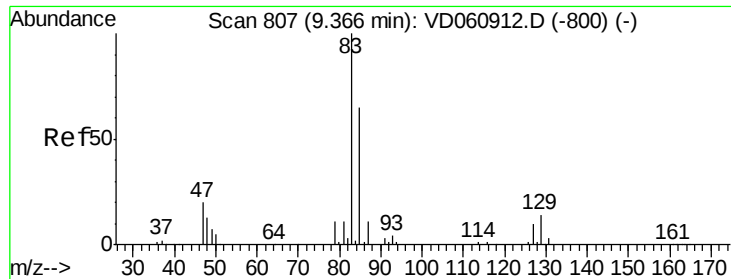
Tgt Ion: 63 Resp: 157508
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.8 38.6



#46
 Dibromomethane
 Concen: 20.245 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.02 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion: 93 Resp: 101010
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.6
 174 109.1 79.5 119.3





#47

Bromodichloromethane

Concen: 21.949 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

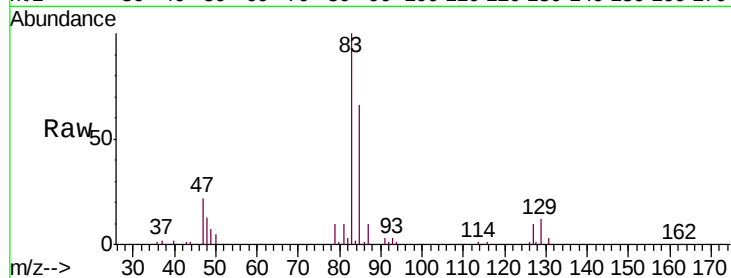
Tgt Ion: 83 Resp: 238876

Ion Ratio Lower Upper

83 100

85 66.1 52.2 78.4

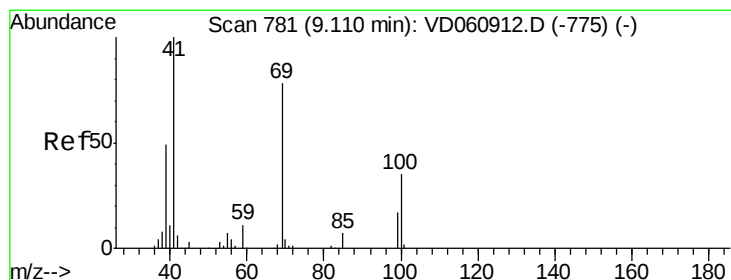
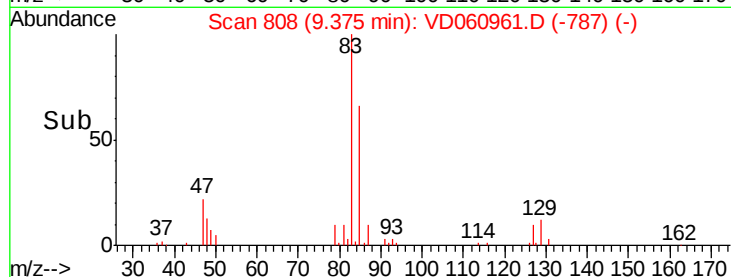
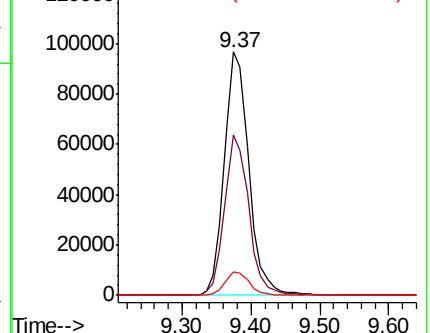
127 9.7 8.2 12.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.567 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

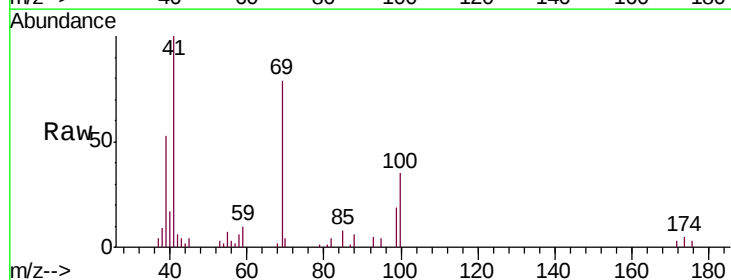
Tgt Ion: 41 Resp: 90398

Ion Ratio Lower Upper

41 100

69 78.7 62.1 93.1

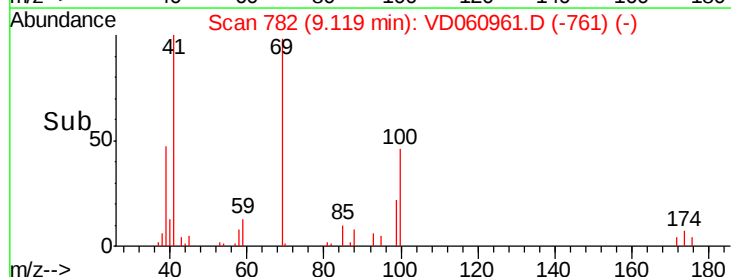
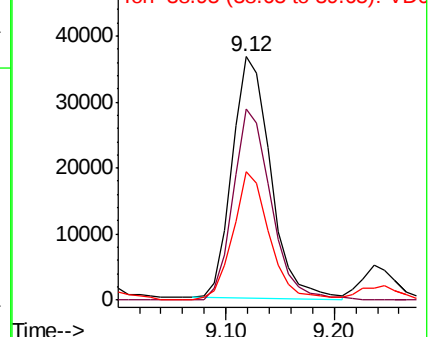
39 53.0 39.5 59.3

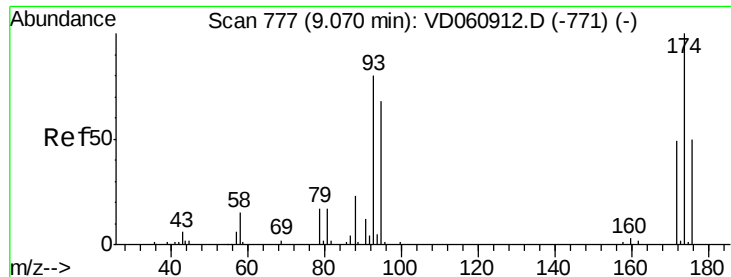


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

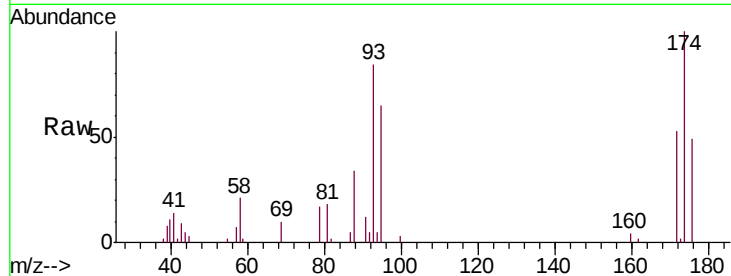




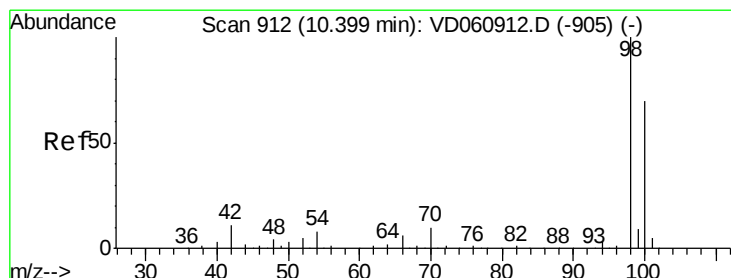
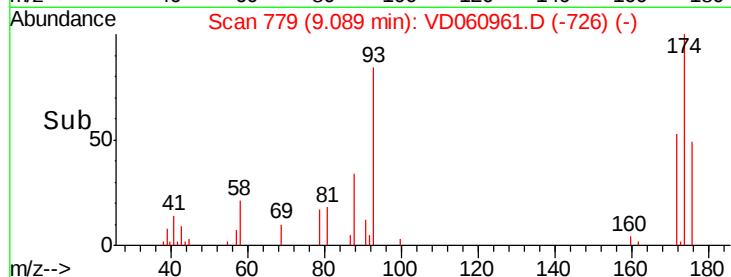
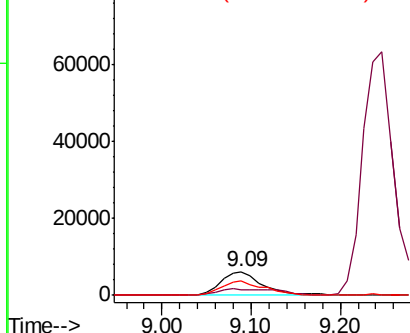
#49
1,4-Dioxane
Concen: 409.332 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Tgt Ion: 88 Resp: 19797
Ion Ratio Lower Upper
88 100
43 25.3 24.2 36.4
58 61.3 51.1 76.7

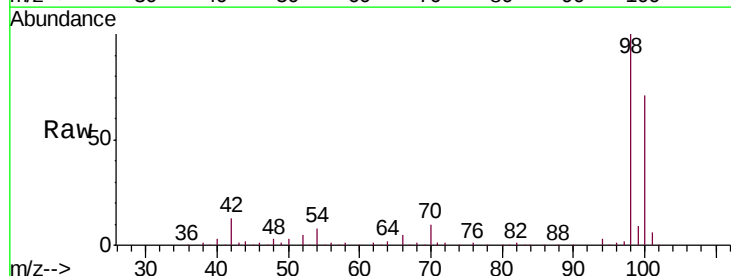


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

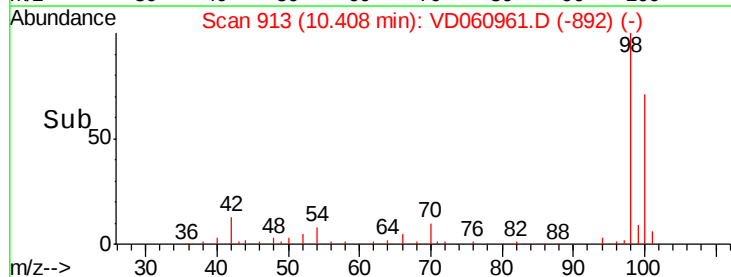
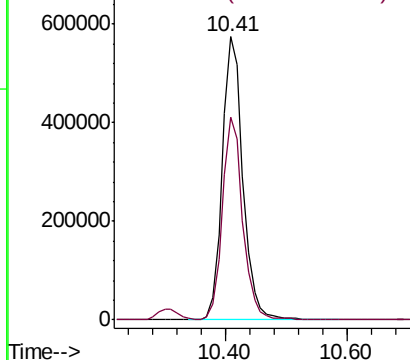


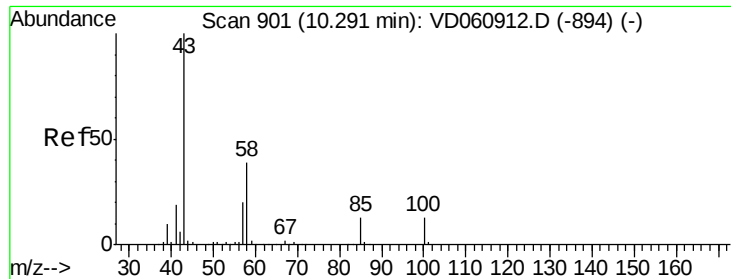
#50
Toluene-d8
Concen: 409.332 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 98 Resp: 1354961
Ion Ratio Lower Upper
98 100
100 71.5 57.0 85.4



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

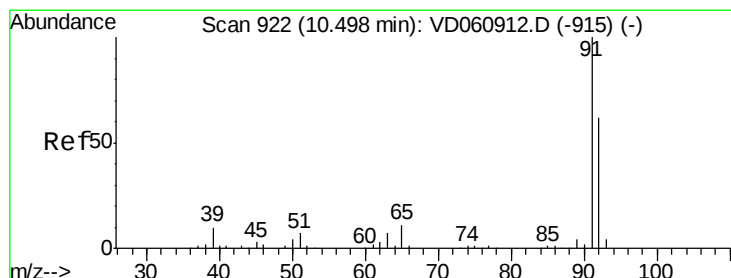
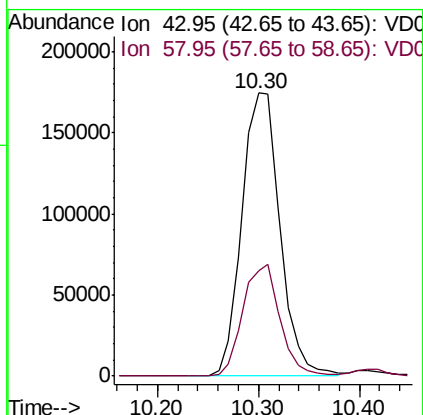
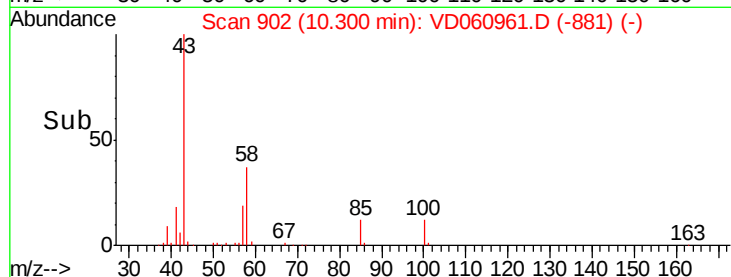
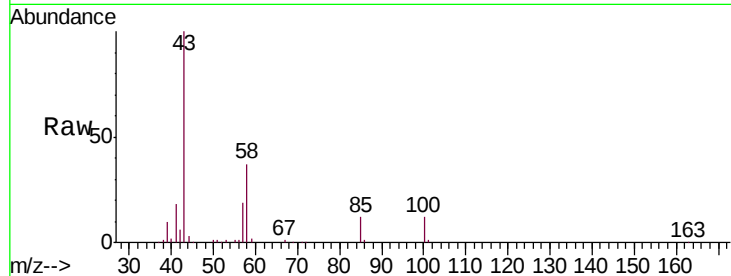




#51
4-Methyl-2-Pentanone
Concen: 92.059 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

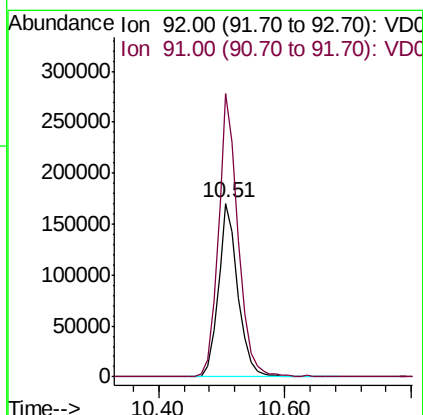
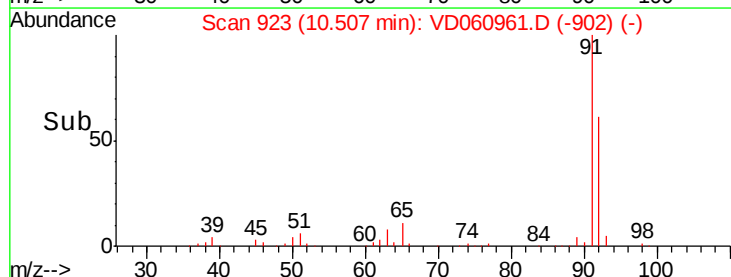
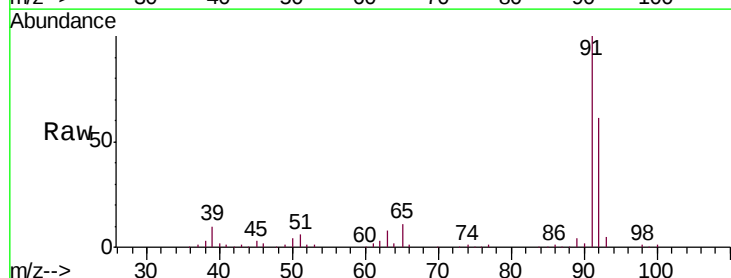
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

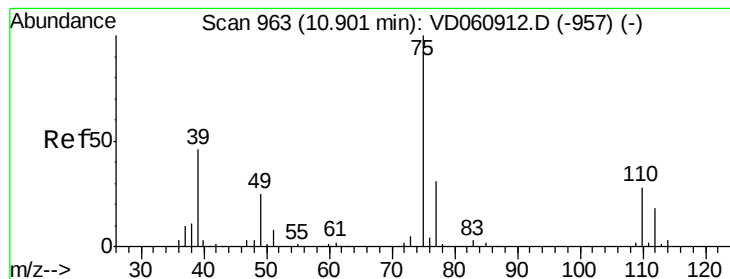
Tgt Ion: 43 Resp: 460887
Ion Ratio Lower Upper
43 100
58 37.1 31.0 46.6



#52
Toluene
Concen: 19.639 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 92 Resp: 368646
Ion Ratio Lower Upper
92 100
91 163.2 129.9 194.9





#53

t-1,3-Dichloropropene

Concen: 20.736 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

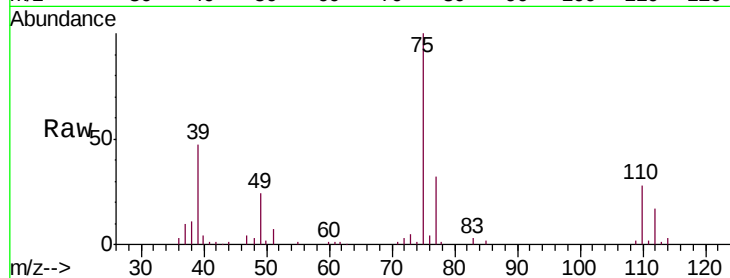
VD0306SBS01

Tgt Ion: 75 Resp: 207674

Ion Ratio Lower Upper

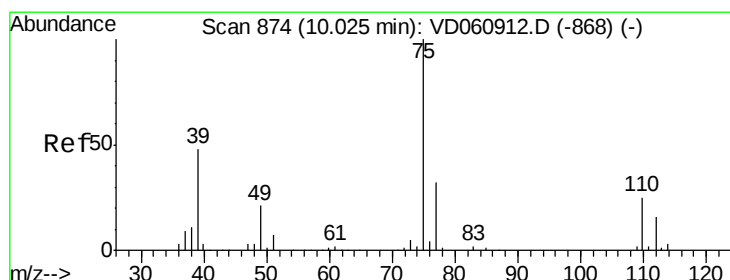
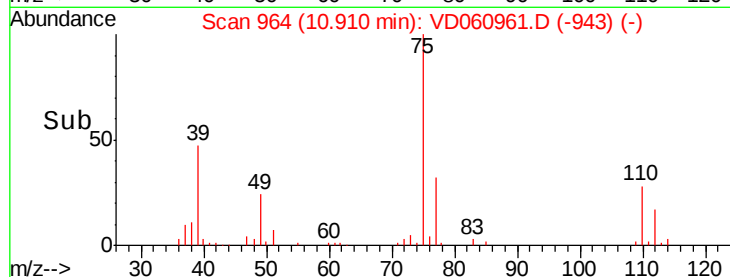
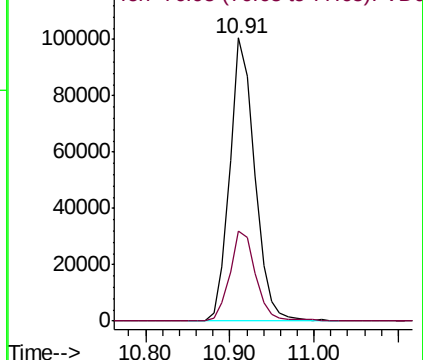
75 100

77 31.7 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.561 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

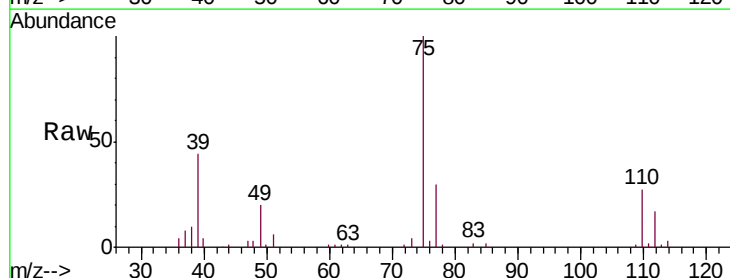
Tgt Ion: 75 Resp: 255336

Ion Ratio Lower Upper

75 100

77 30.3 25.3 37.9

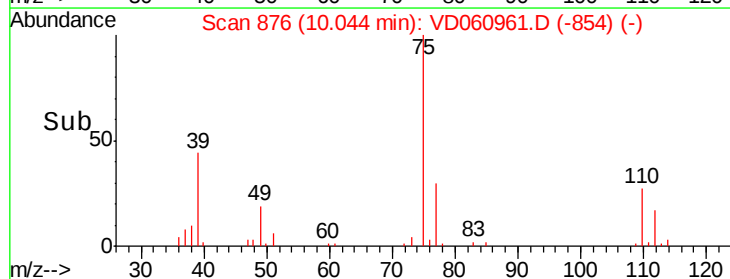
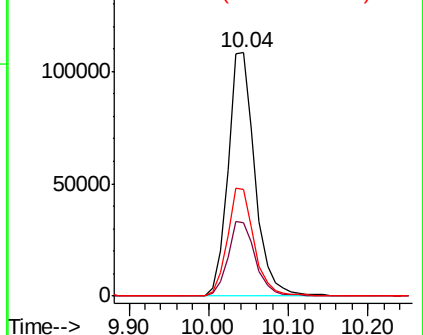
39 44.0 38.2 57.4

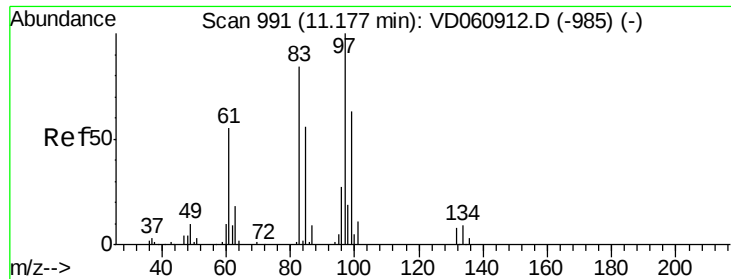


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

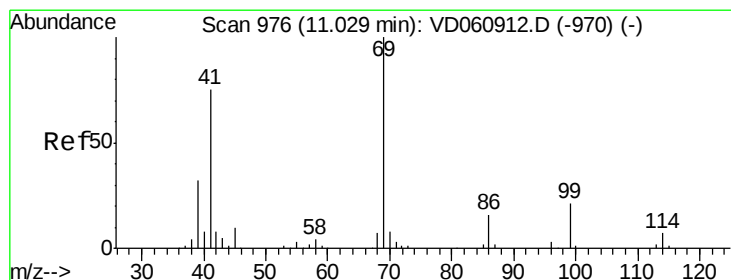
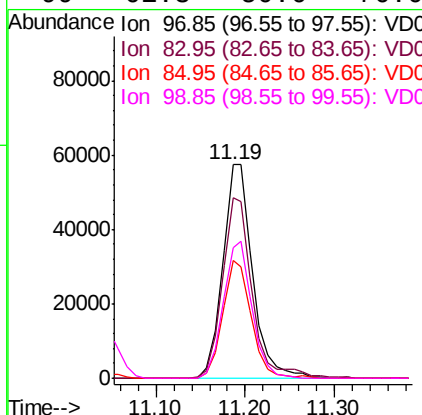
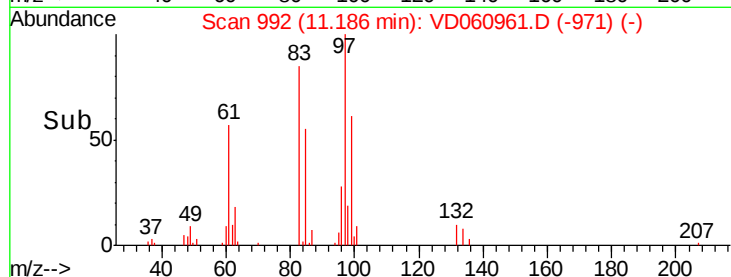
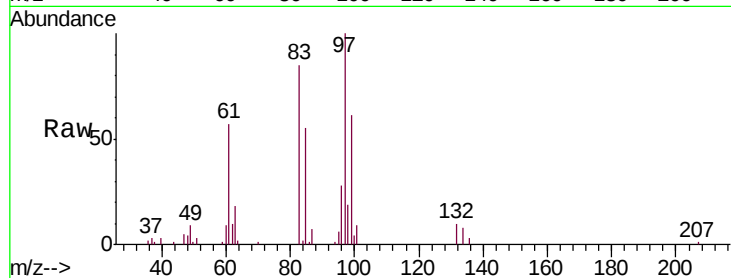




#55
 1,1,2-Trichloroethane
 Concen: 21.711 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

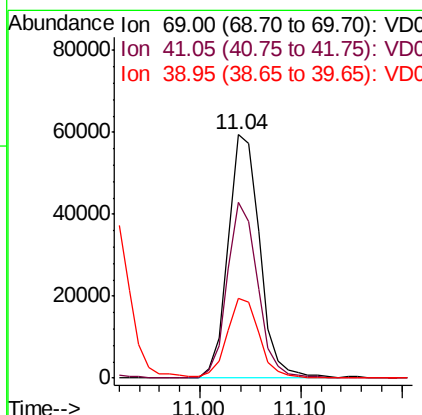
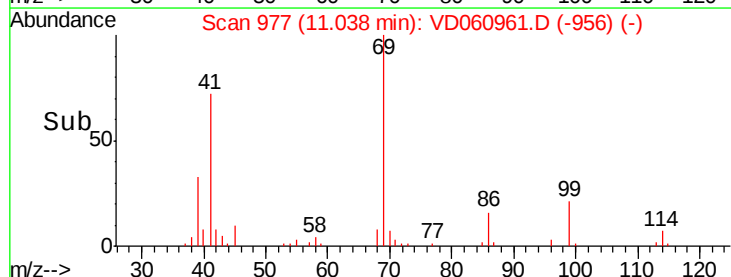
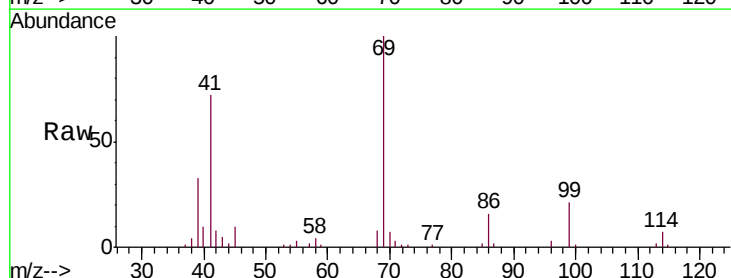
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

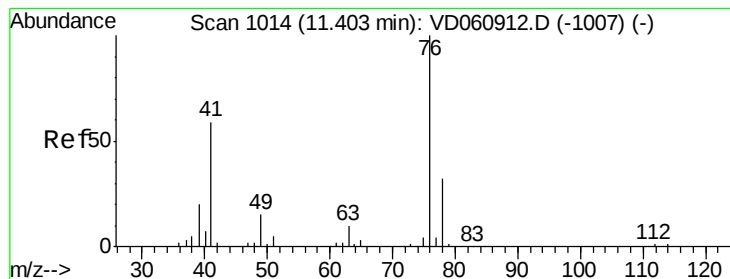
Tgt Ion:	97	Resp:	134775
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.5	101.3
85	55.4	44.9	67.3
99	61.3	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 19.648 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion:	69	Resp:	129298
Ion	Ratio	Lower	Upper
69	100		
41	72.4	59.9	89.9
39	32.8	25.7	38.5





#57

1,3-Dichloropropane

Concen: 21.442 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

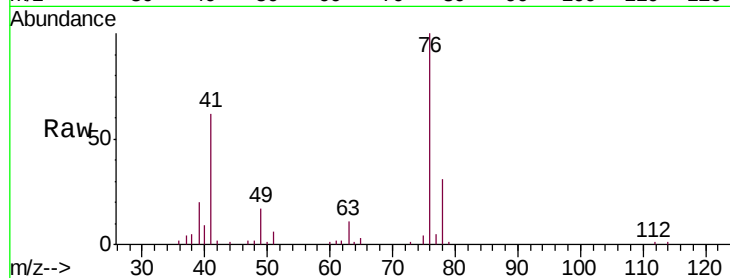
VD0306SBS01

Tgt Ion: 76 Resp: 193524

Ion Ratio Lower Upper

76 100

78 30.6 25.6 38.4



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

100000

80000

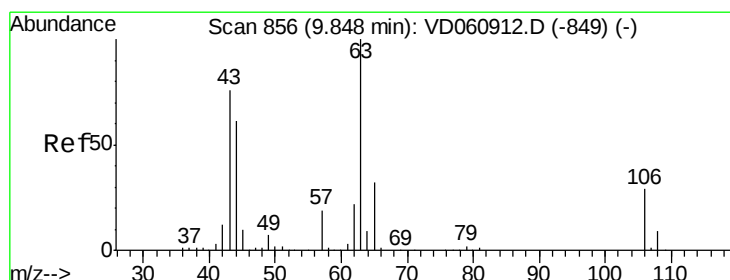
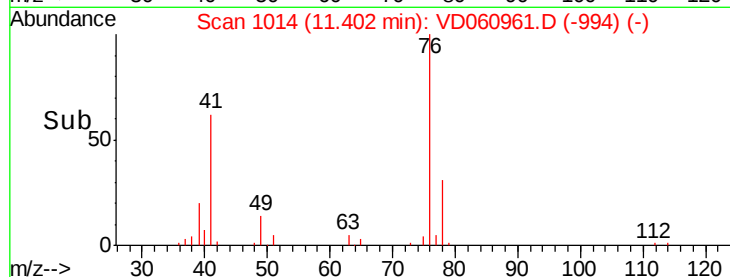
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.721 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD060961.D

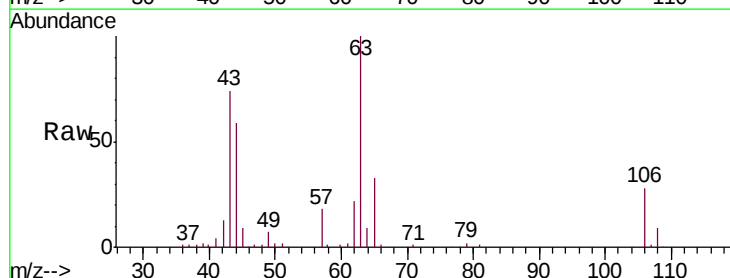
Acq: 6 Mar 2019 13:19

Tgt Ion: 63 Resp: 361026

Ion Ratio Lower Upper

63 100

106 28.1 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

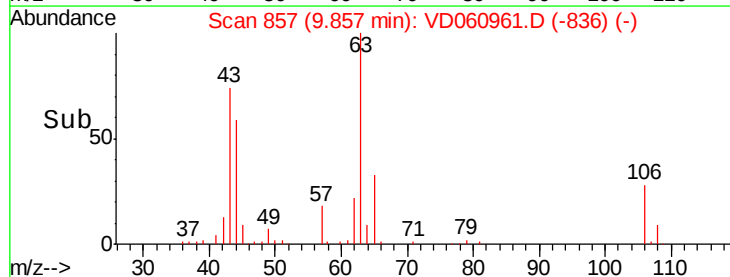
150000

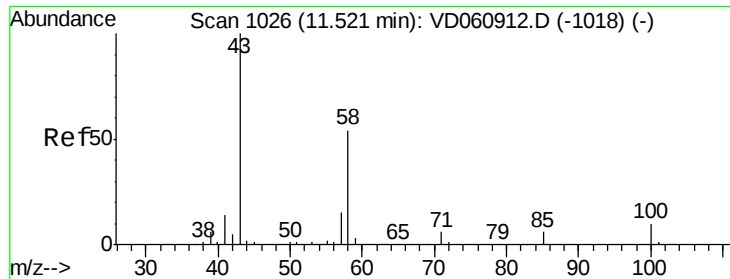
100000

50000

0

Time-->

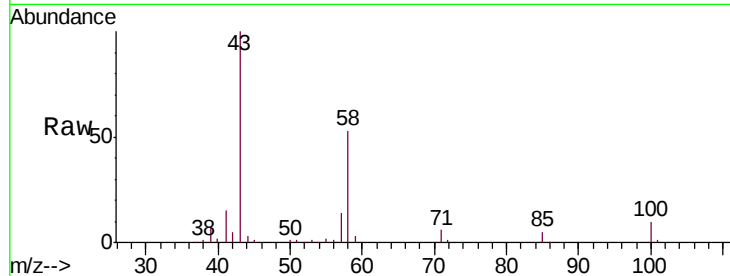




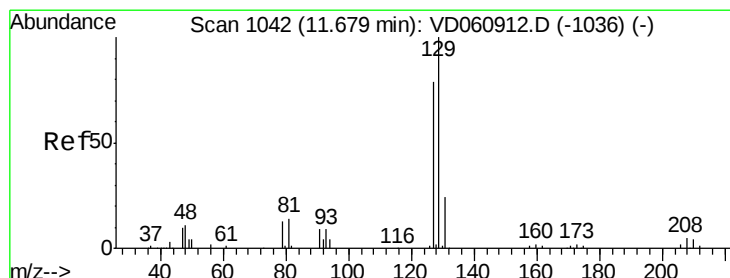
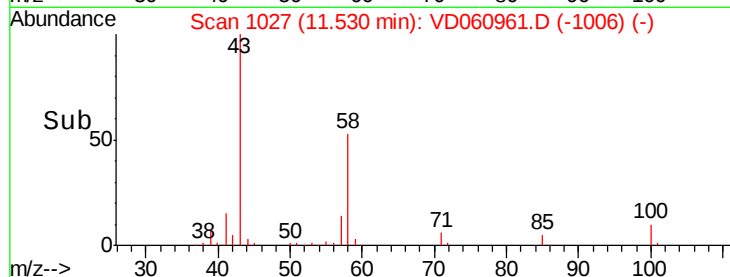
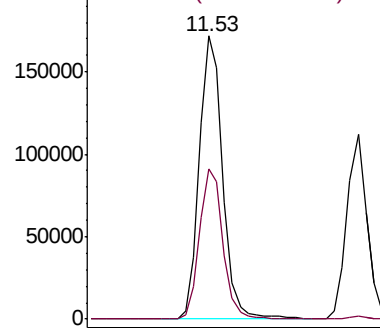
#59
2-Hexanone
Concen: 101.215 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Tgt Ion: 43 Resp: 355215
Ion Ratio Lower Upper
43 100
58 52.9 27.2 81.5

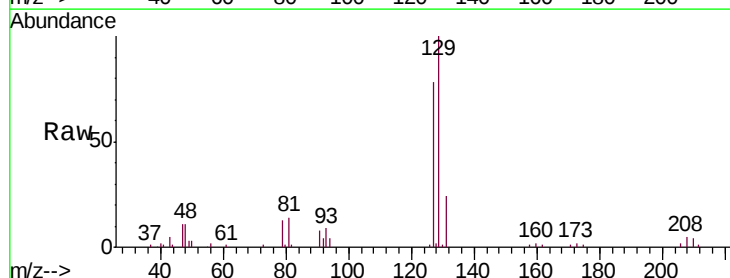


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

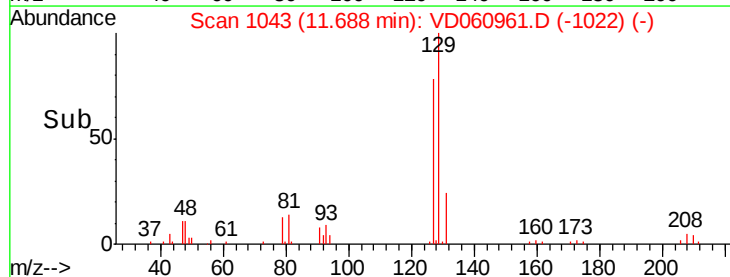
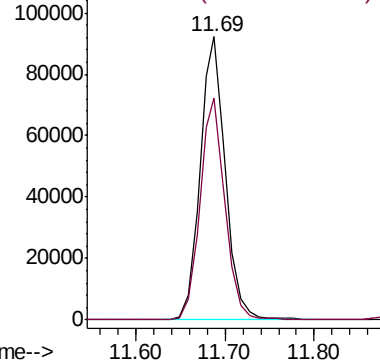


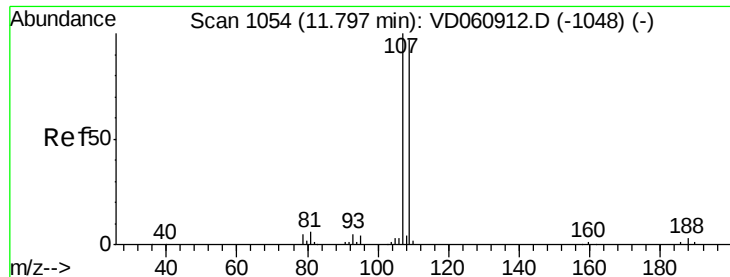
#60
Dibromochloromethane
Concen: 20.445 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 129 Resp: 183044
Ion Ratio Lower Upper
129 100
127 78.2 39.4 118.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

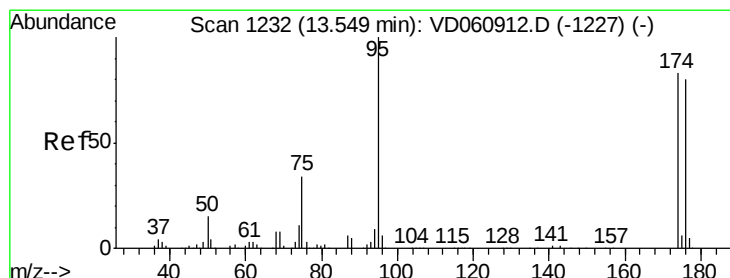
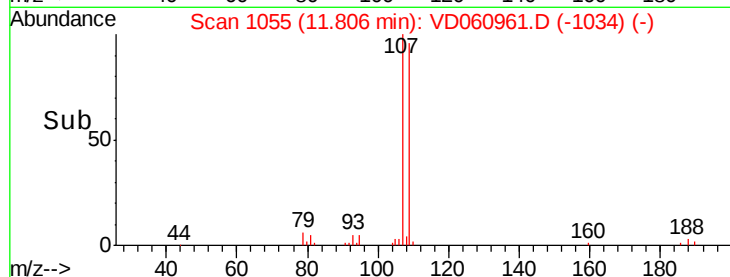
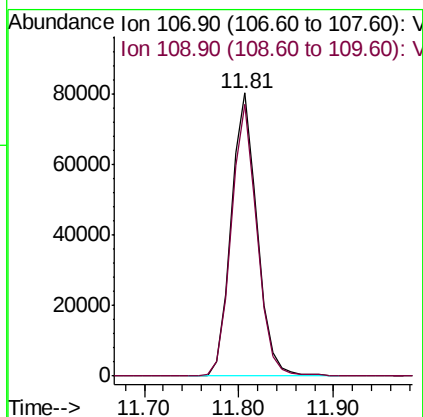
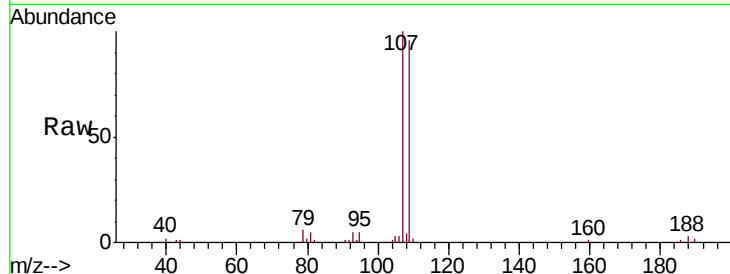




#61
 1,2-Dibromoethane
 Concen: 20.867 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

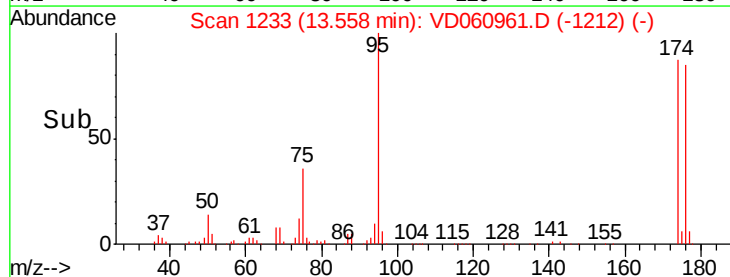
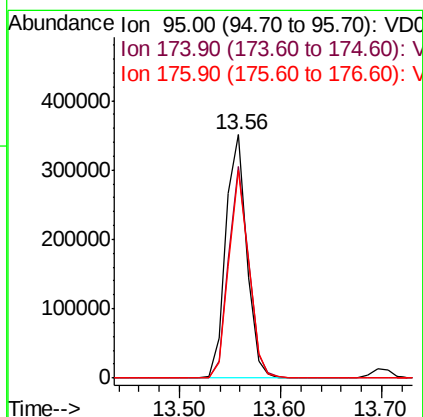
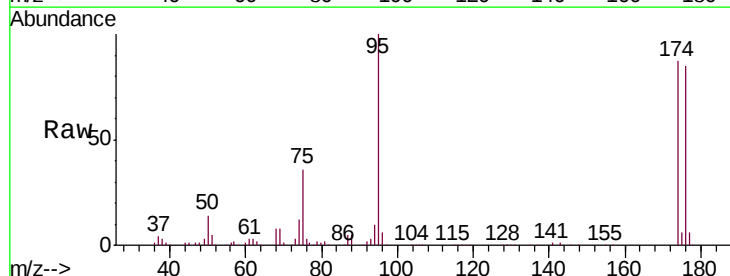
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

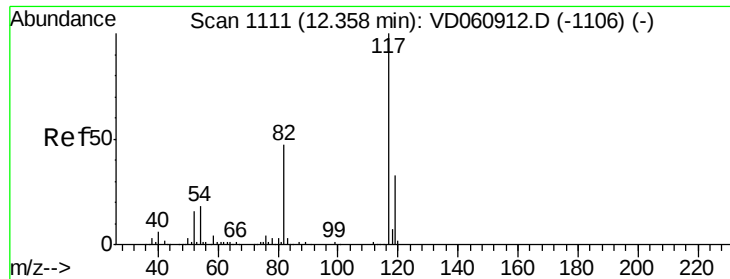
Tgt Ion: 107 Resp: 152180
 Ion Ratio Lower Upper
 107 100
 109 96.3 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 20.867 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion: 95 Resp: 506210
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 165.6
 176 85.3 0.0 160.6

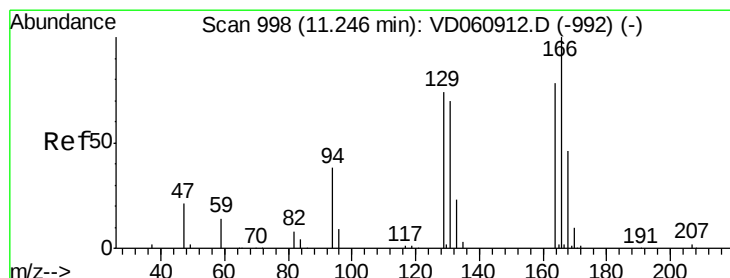
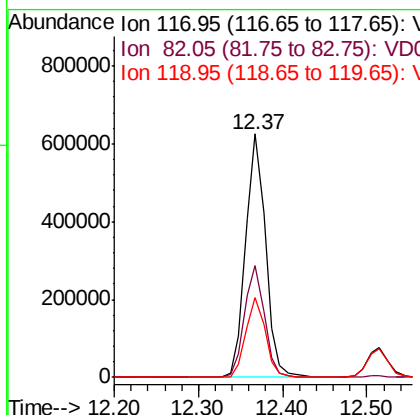
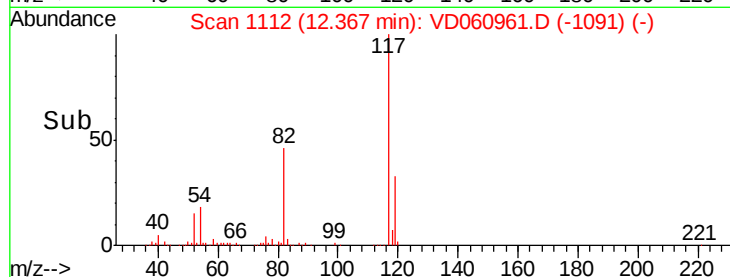
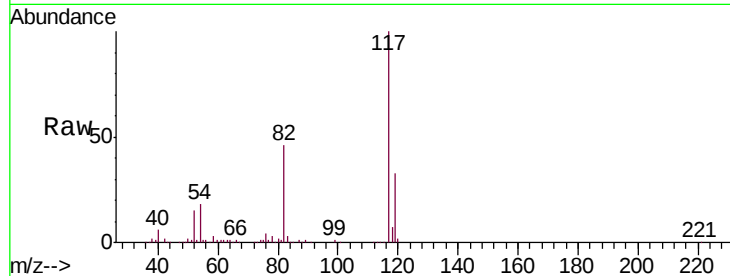




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

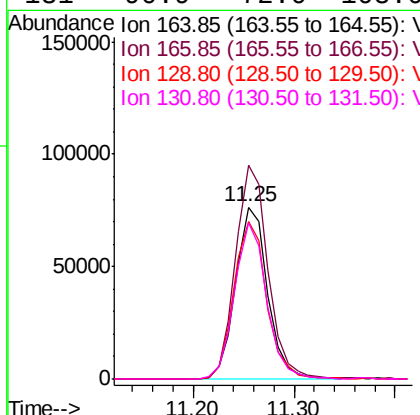
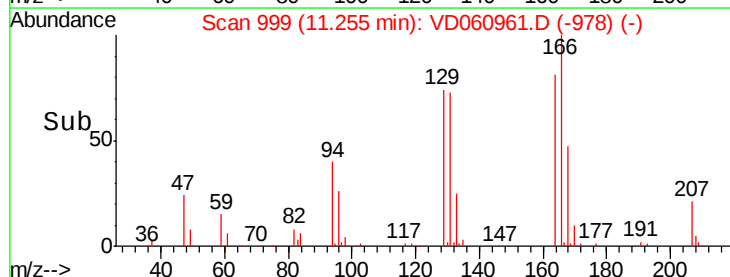
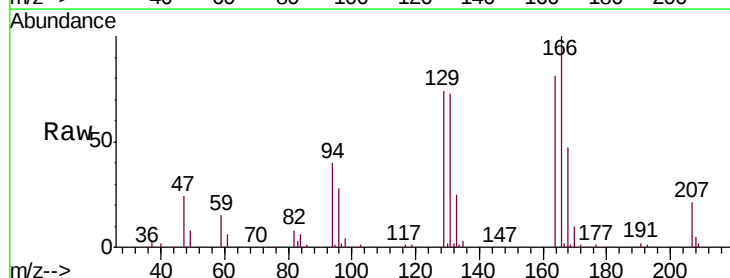
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

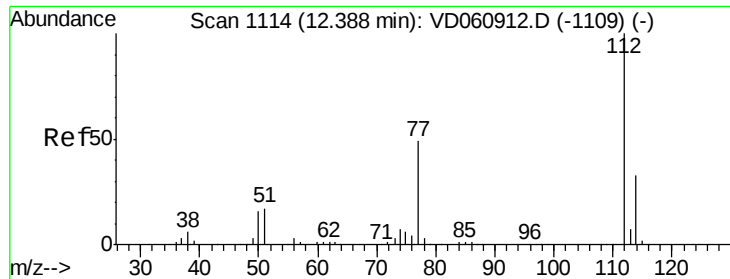
Tgt Ion:117 Resp: 1038051
Ion Ratio Lower Upper
117 100
82 45.7 37.5 56.3
119 33.0 26.2 39.2



#64
Tetrachloroethene
Concen: 21.155 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion:164 Resp: 168104
Ion Ratio Lower Upper
164 100
166 124.2 102.3 153.5
129 91.5 75.6 113.4
131 90.9 72.0 108.0

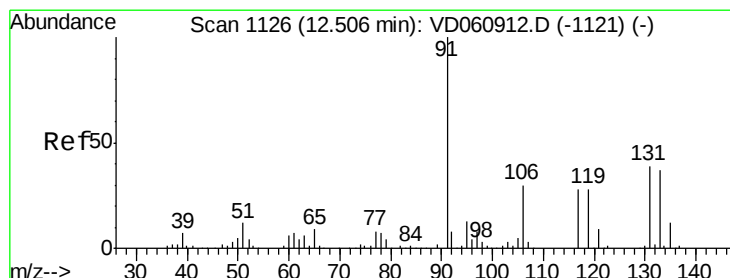
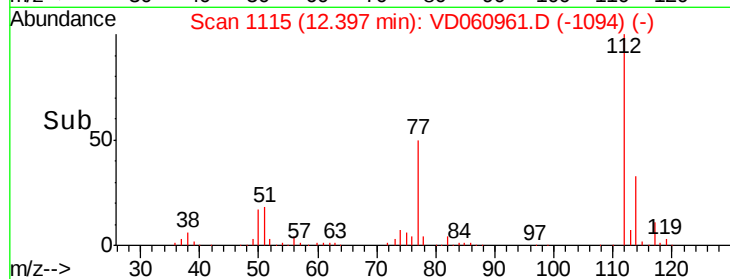
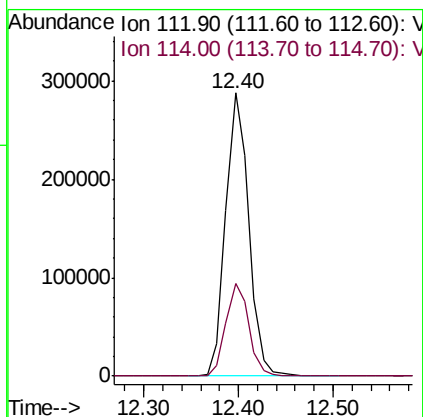
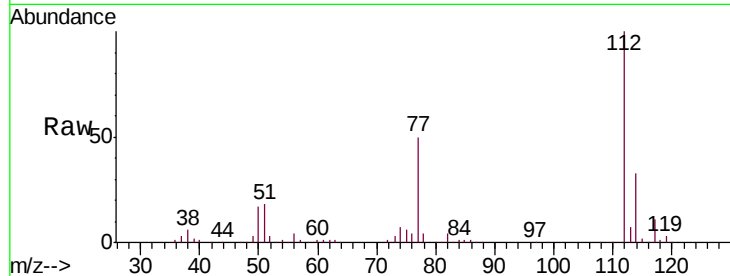




#65
Chlorobenzene
Concen: 21.027 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

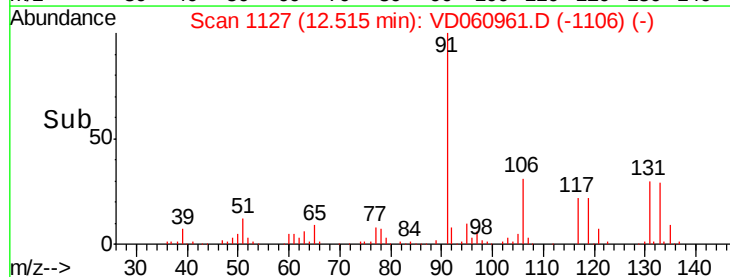
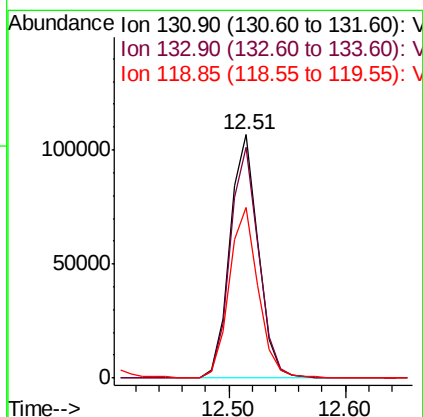
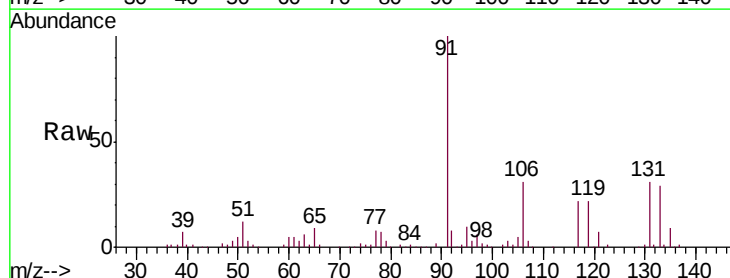
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

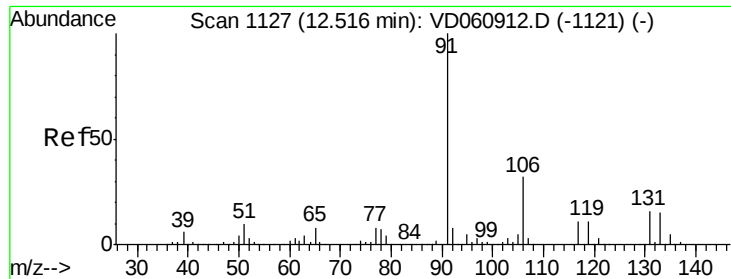
Tgt Ion:112 Resp: 485958
Ion Ratio Lower Upper
112 100
114 32.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.666 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion:131 Resp: 179682
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 70.3 36.0 108.1

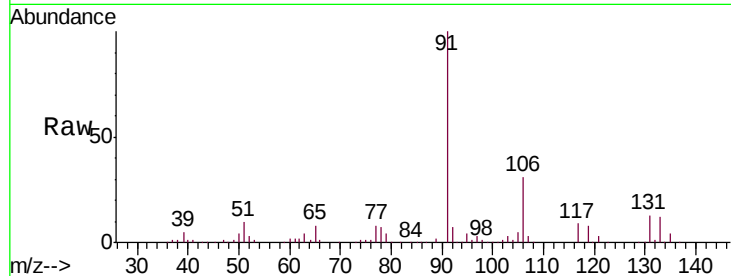




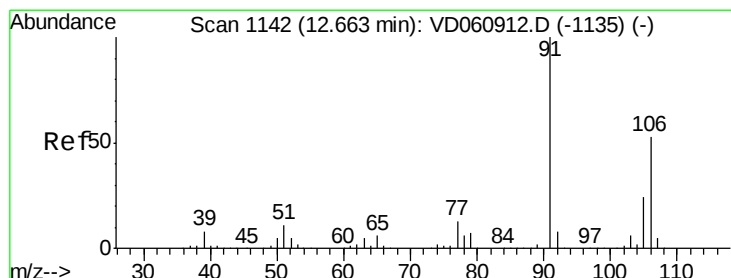
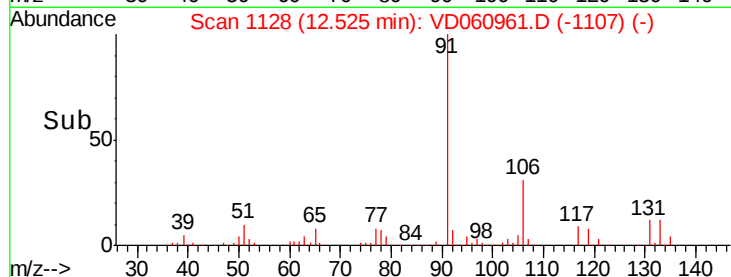
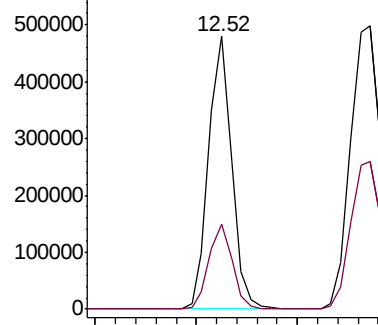
#67
Ethyl Benzene
Concen: 22.663 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Tgt Ion: 91 Resp: 762631
Ion Ratio Lower Upper
91 100
106 31.3 25.8 38.6

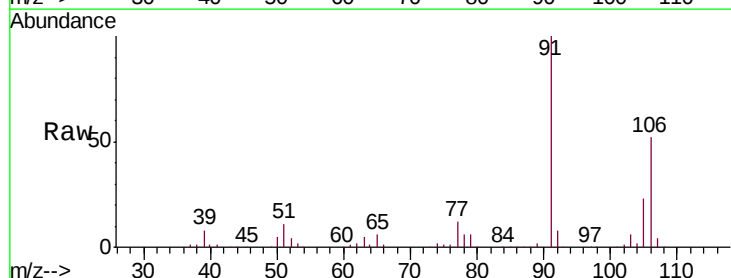


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

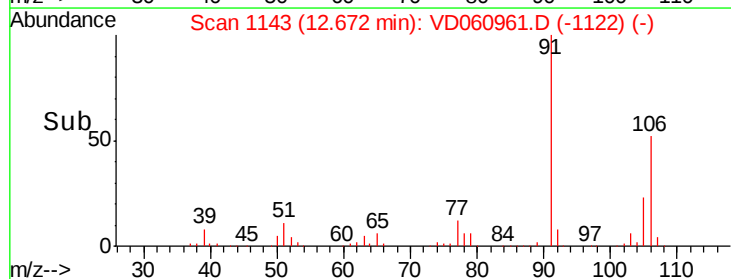
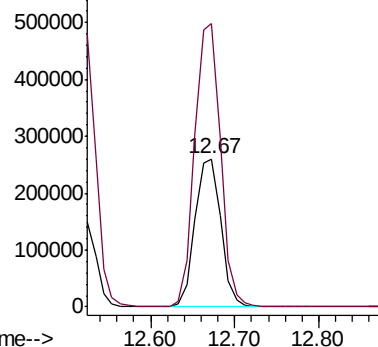


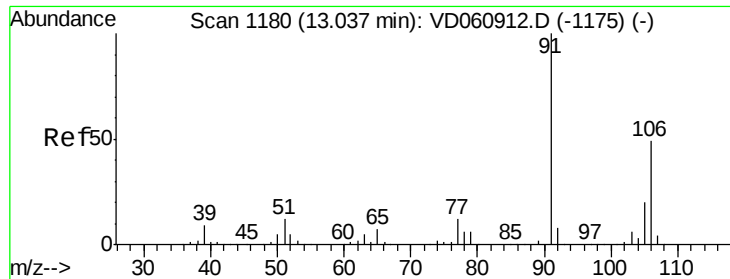
#68
m/p-Xylenes
Concen: 41.123 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion: 106 Resp: 552885
Ion Ratio Lower Upper
106 100
91 190.9 150.2 225.4



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

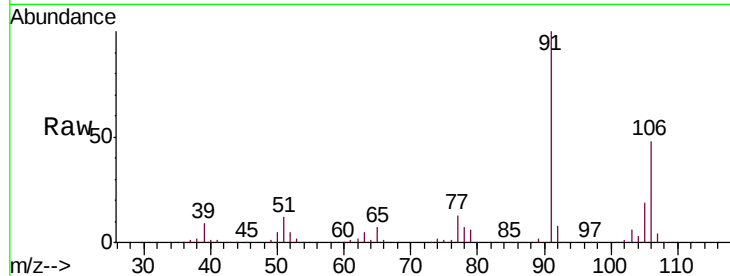




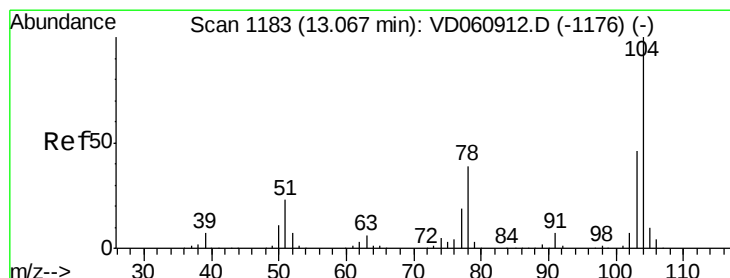
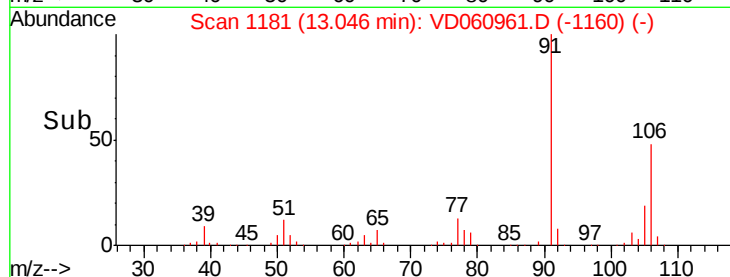
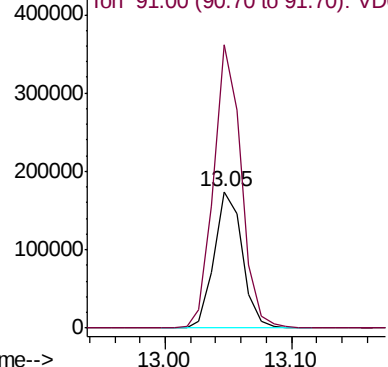
#69
o-Xylene
Concen: 21.383 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Tgt Ion:106 Resp: 270053
Ion Ratio Lower Upper
106 100
91 207.6 102.9 308.7

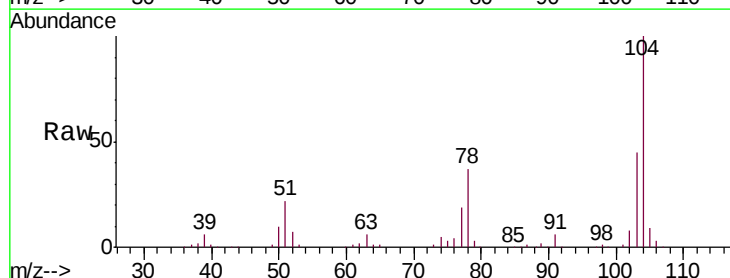


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

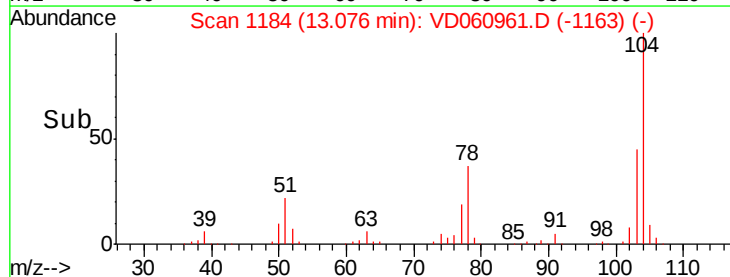
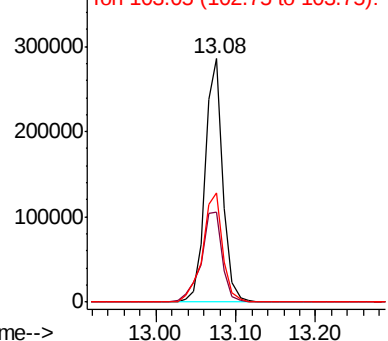


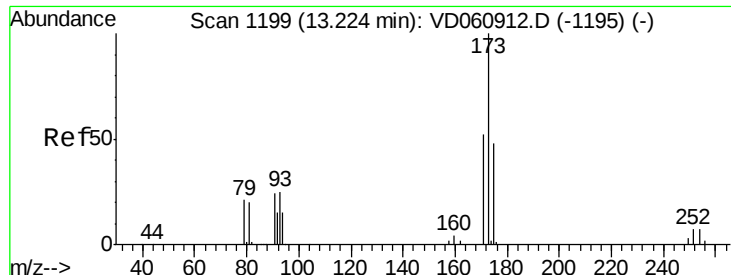
#70
Styrene
Concen: 21.066 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion:104 Resp: 443879
Ion Ratio Lower Upper
104 100
78 36.8 31.0 46.4
103 45.0 36.5 54.7



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





#71

Bromoform

Concen: 20.136 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

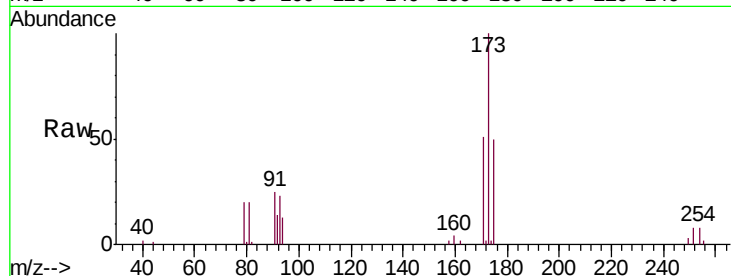
Tgt Ion:173 Resp: 105696

Ion Ratio Lower Upper

173 100

175 50.1 24.1 72.3

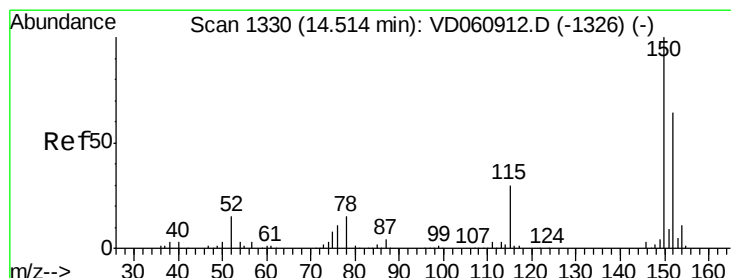
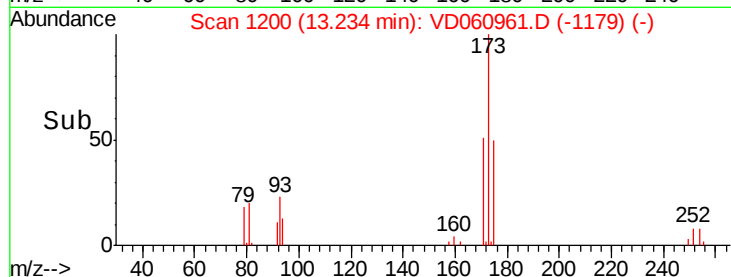
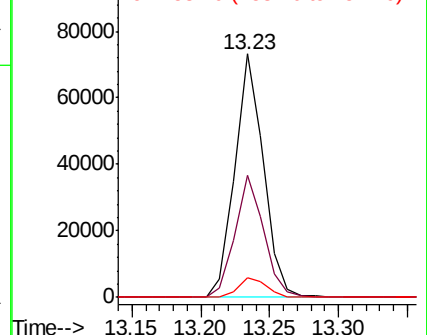
254 7.9 5.6 8.4



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

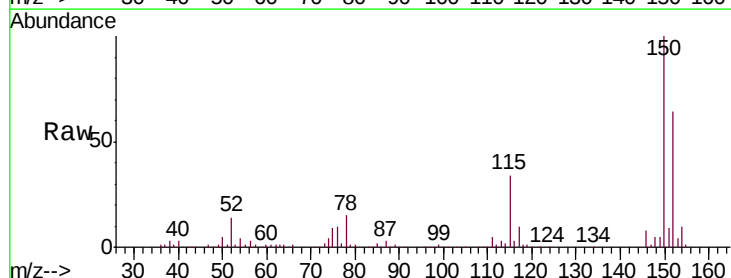
Tgt Ion:152 Resp: 477076

Ion Ratio Lower Upper

152 100

115 52.5 27.6 82.8

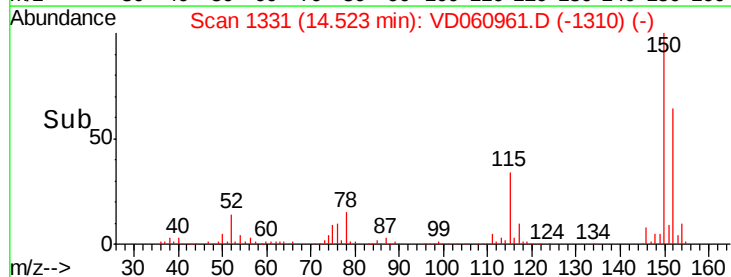
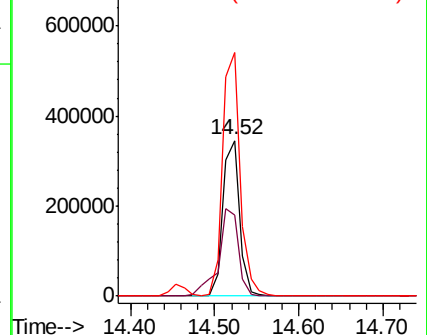
150 156.4 0.0 312.8

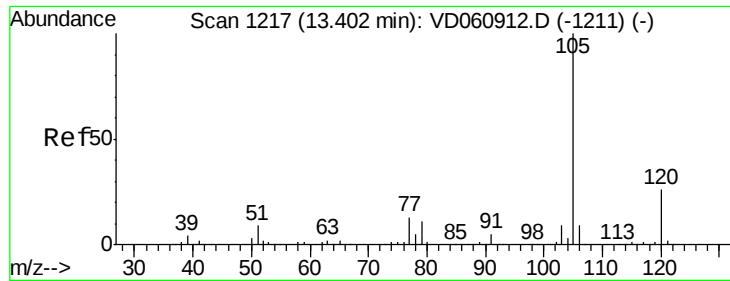


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.097 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

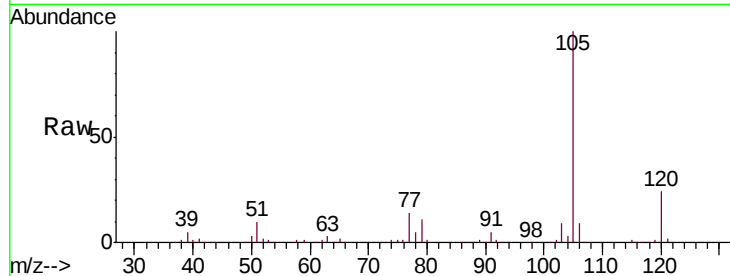
VD0306SBS01

Tgt Ion: 105 Resp: 740772

Ion Ratio Lower Upper

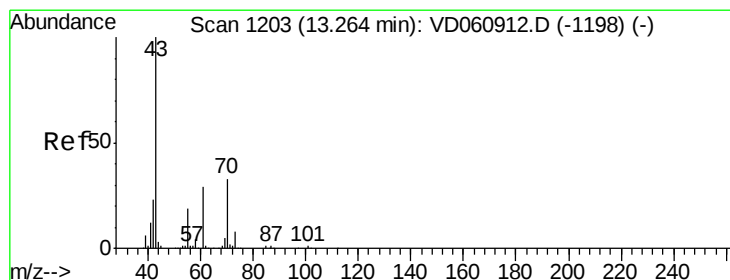
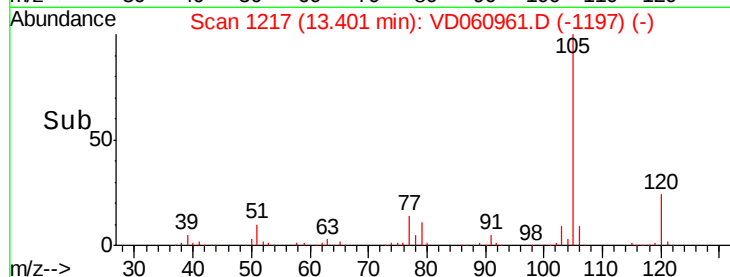
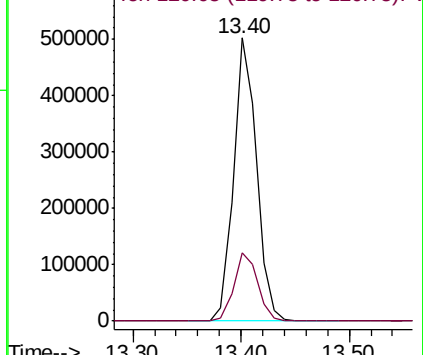
105 100

120 24.2 12.9 38.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.532 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Tgt Ion: 43 Resp: 215064

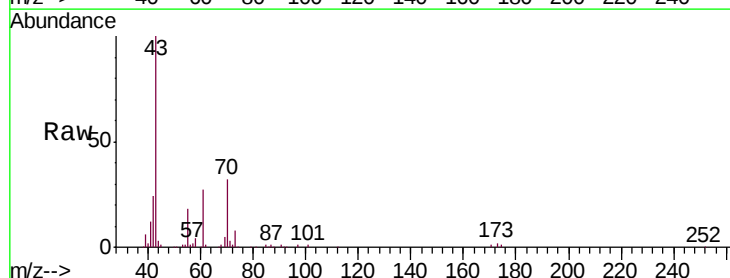
Ion Ratio Lower Upper

43 100

70 31.8 26.3 39.5

55 18.5 15.4 23.2

61 27.1 23.4 35.0

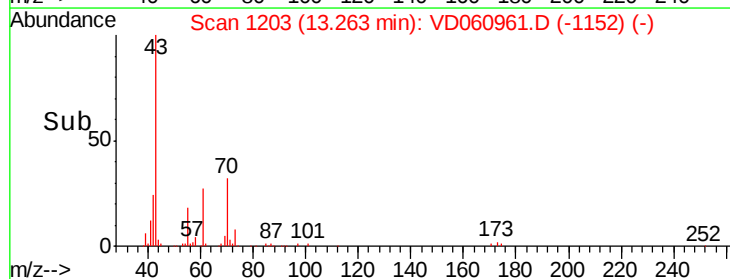
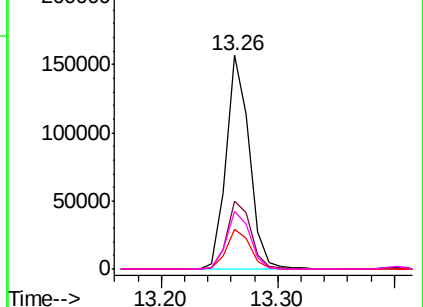


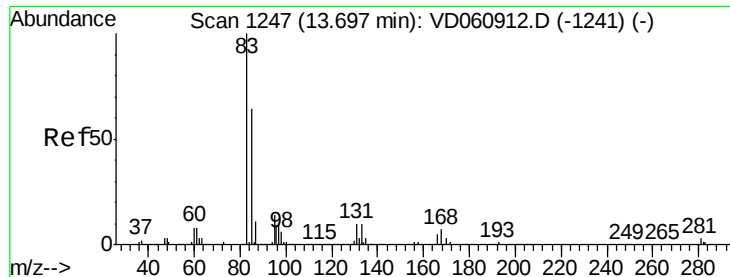
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.123 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

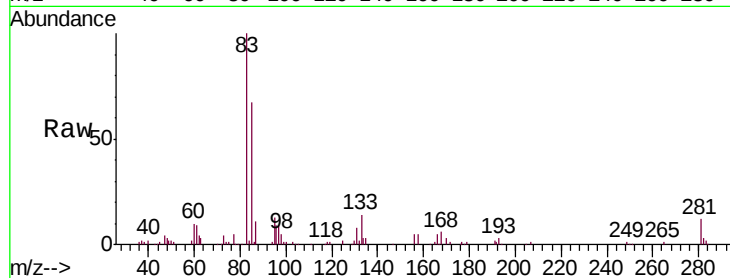
Tgt Ion: 83 Resp: 138546

Ion Ratio Lower Upper

83 100

131 8.4 5.1 15.2

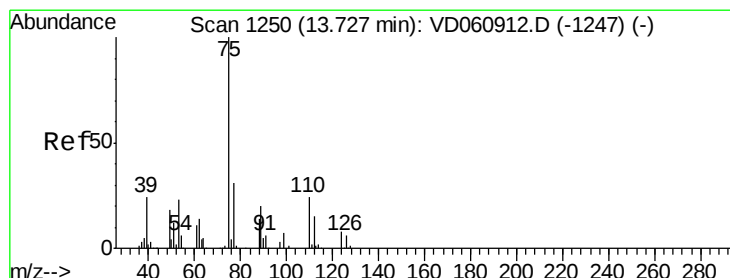
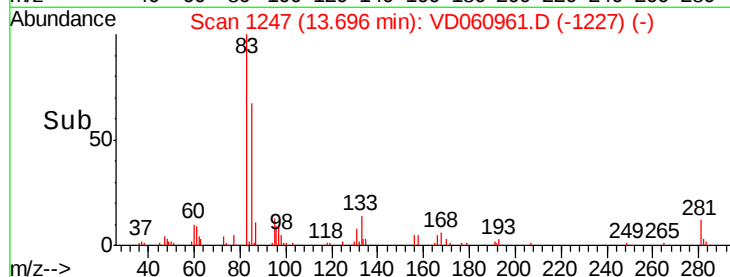
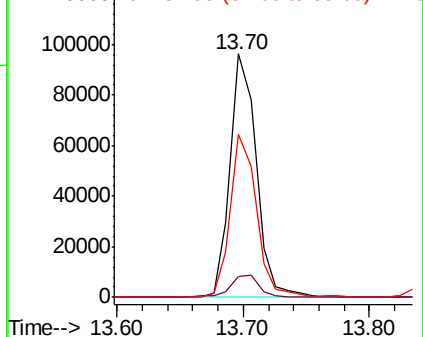
85 66.7 32.3 96.8



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: 18.822 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060961.D

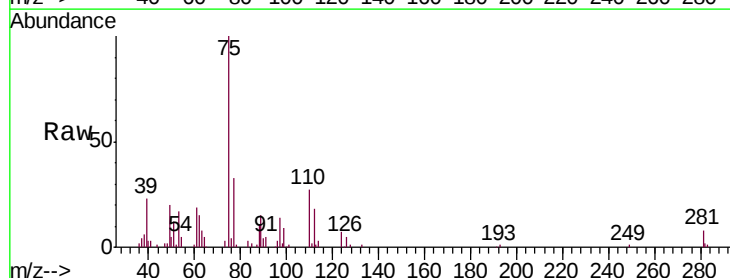
Acq: 6 Mar 2019 13:19

Tgt Ion: 75 Resp: 145493

Ion Ratio Lower Upper

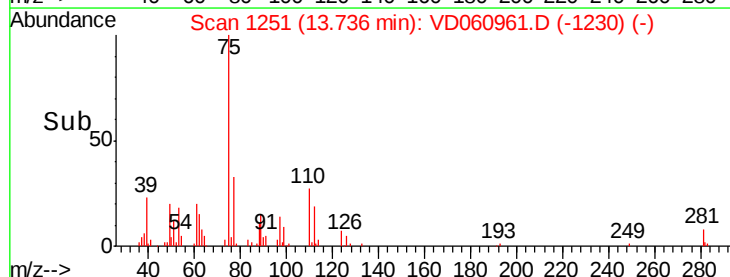
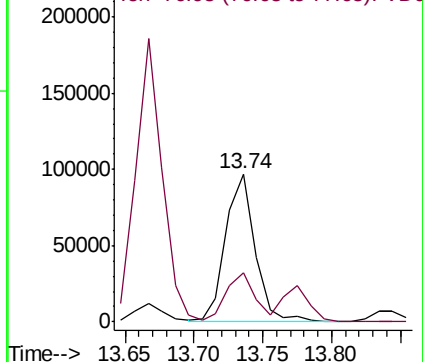
75 100

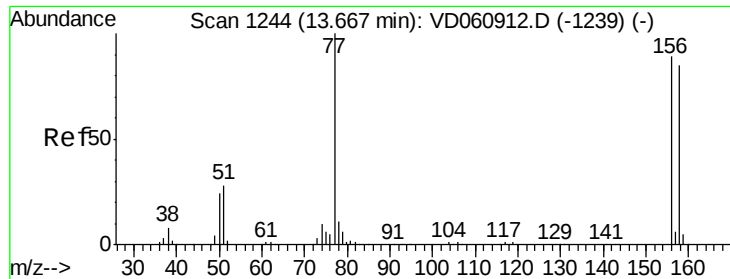
77 32.8 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.019 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

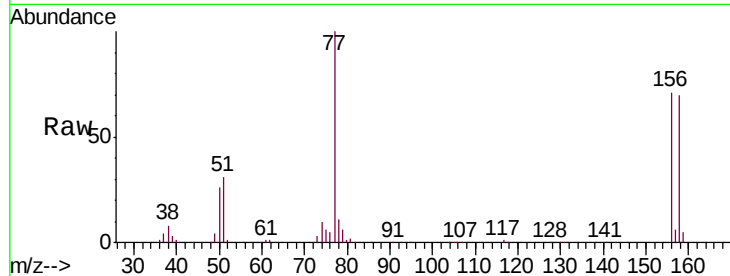
Tgt Ion:156 Resp: 192875

Ion Ratio Lower Upper

156 100

77 140.0 56.4 169.2

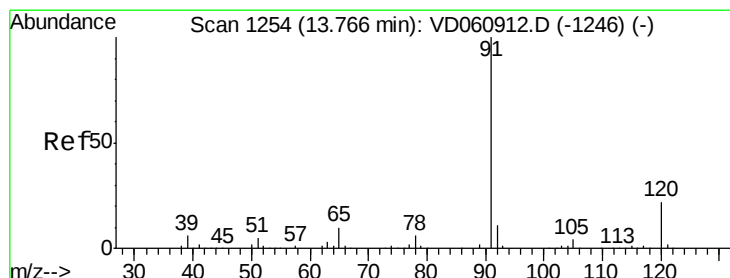
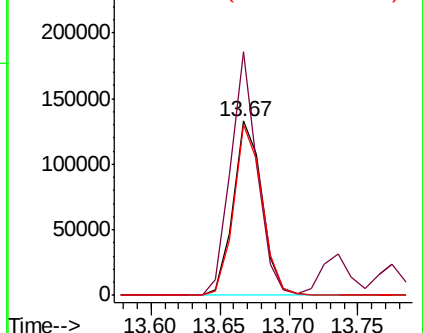
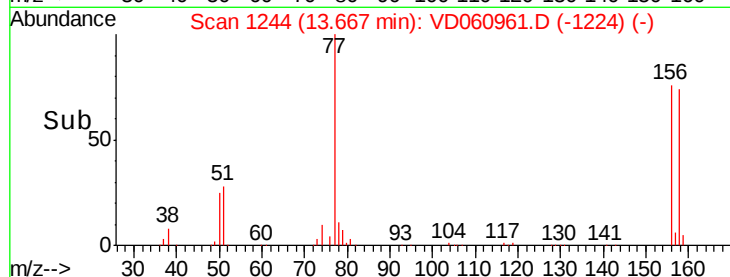
158 98.2 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.926 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060961.D

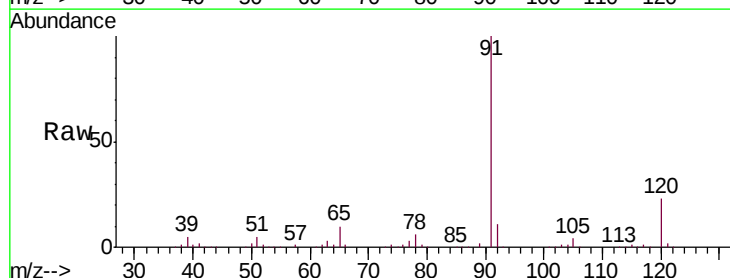
Acq: 6 Mar 2019 13:19

Tgt Ion: 91 Resp: 929829

Ion Ratio Lower Upper

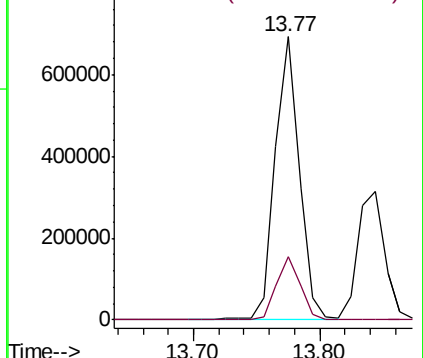
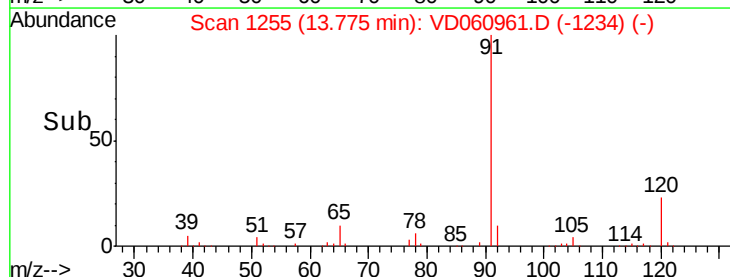
91 100

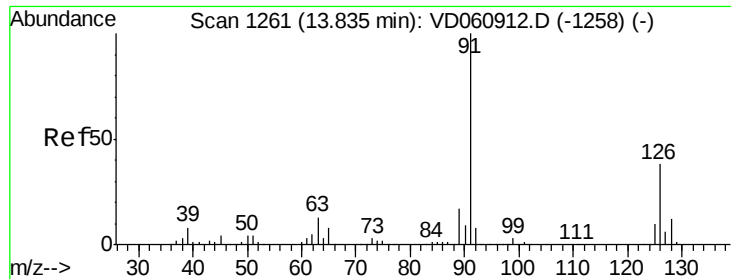
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.174 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

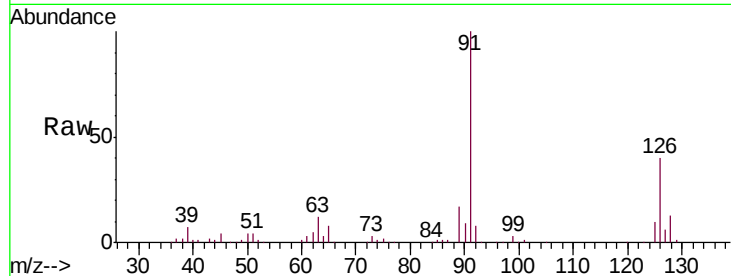
VD0306SBS01

Tgt Ion: 91 Resp: 464380

Ion Ratio Lower Upper

91 100

126 39.5 18.8 56.3



Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)

800000

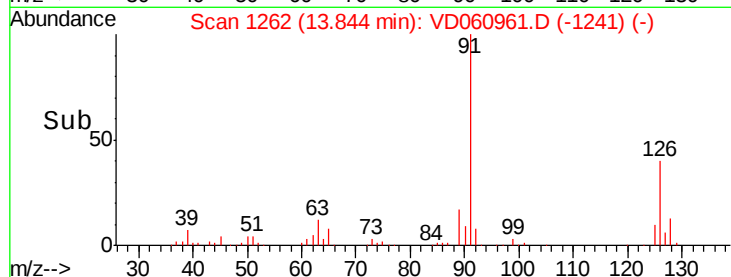
600000

400000

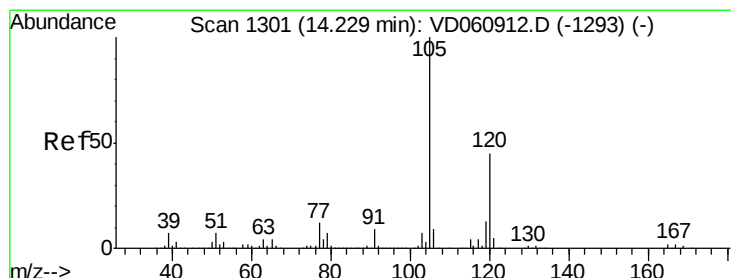
200000

0

13.80 13.85 13.90



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.941 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD060961.D

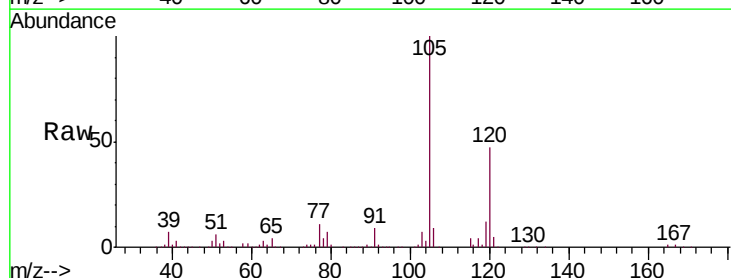
Acq: 6 Mar 2019 13:19

Tgt Ion: 105 Resp: 585371

Ion Ratio Lower Upper

105 100

120 46.8 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): VD060912.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060912.D (-1293) (-)

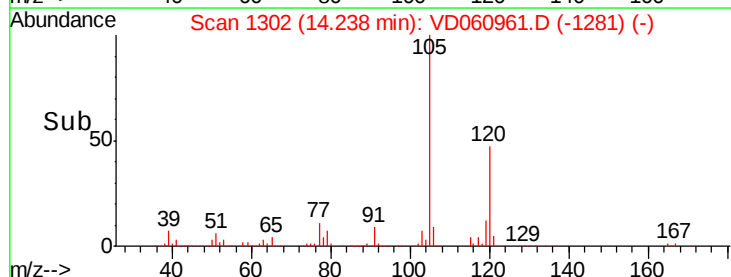
600000

400000

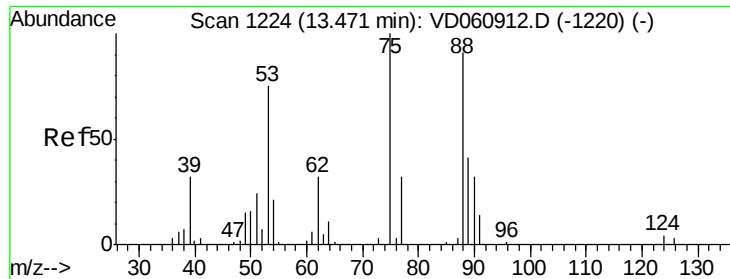
200000

0

14.10 14.20 14.30



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 19.148 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

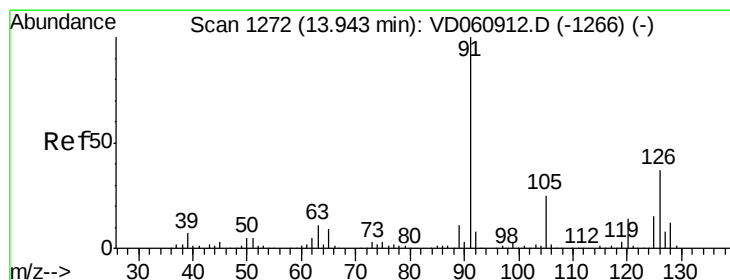
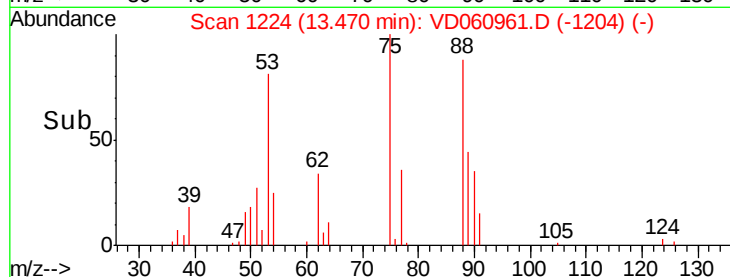
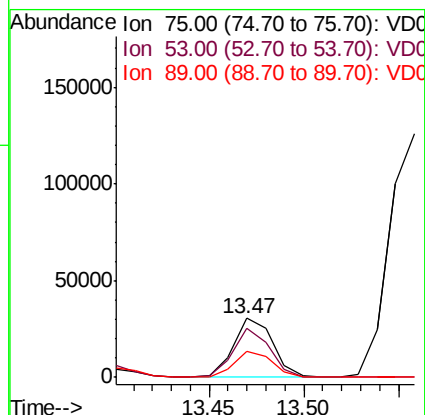
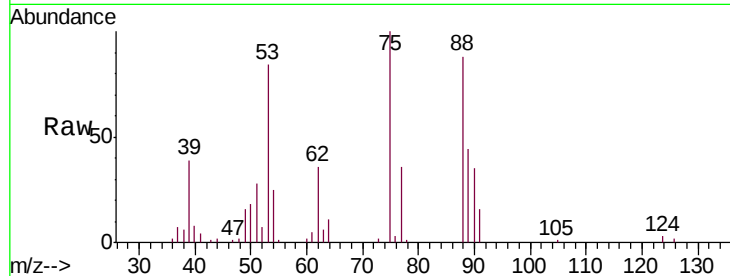
Tgt Ion: 75 Resp: 43804

Ion Ratio Lower Upper

75 100

53 83.8 59.8 89.6

89 43.9 33.0 49.6



#82

4-Chlorotoluene

Concen: 19.687 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD060961.D

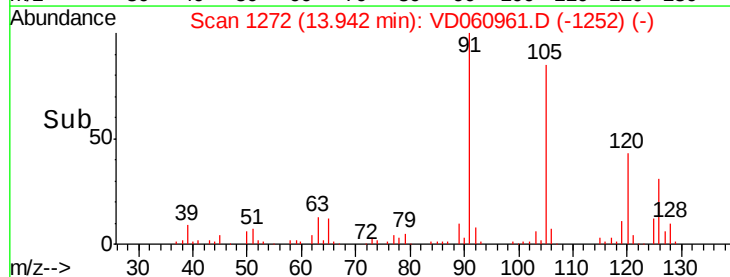
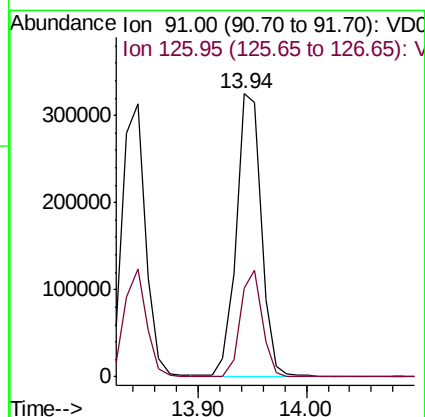
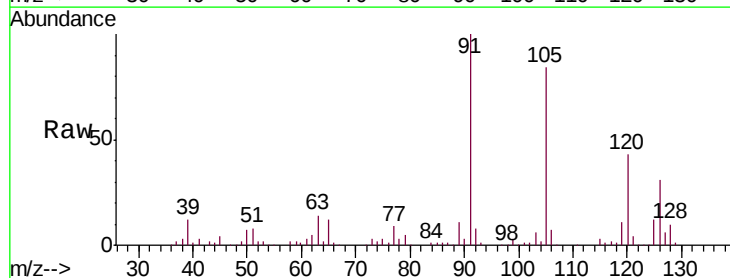
Acq: 6 Mar 2019 13:19

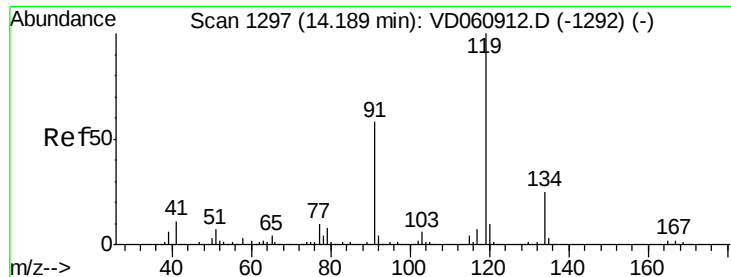
Tgt Ion: 91 Resp: 522968

Ion Ratio Lower Upper

91 100

126 31.2 18.4 55.2

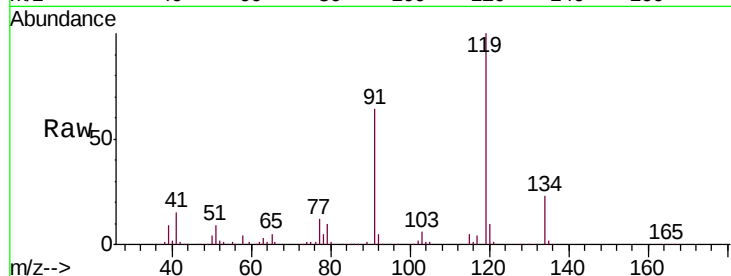




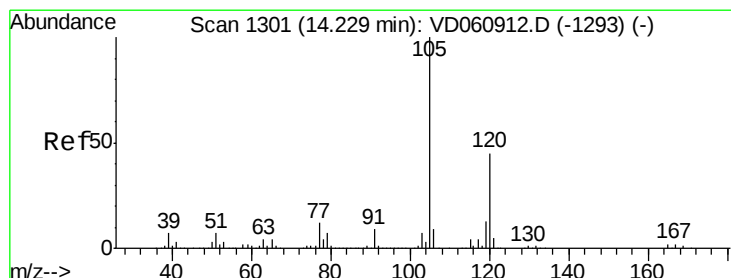
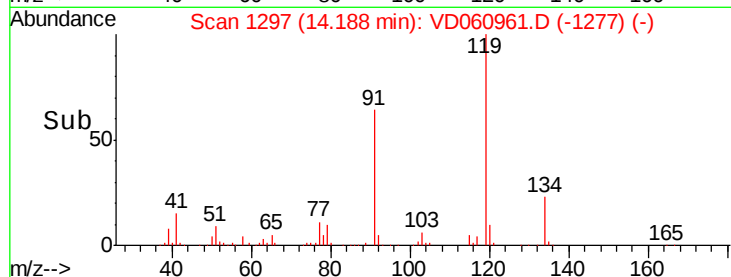
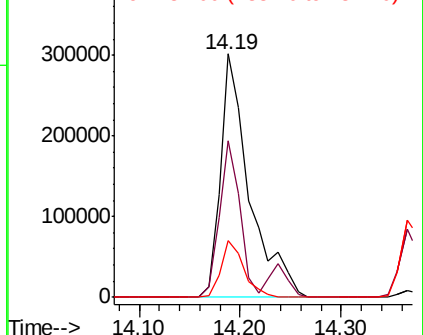
#83
 tert-Butylbenzene
 Concen: 18.875 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

Tgt Ion:119 Resp: 604109
 Ion Ratio Lower Upper
 119 100
 91 64.4 28.8 86.5
 134 23.3 12.6 37.6

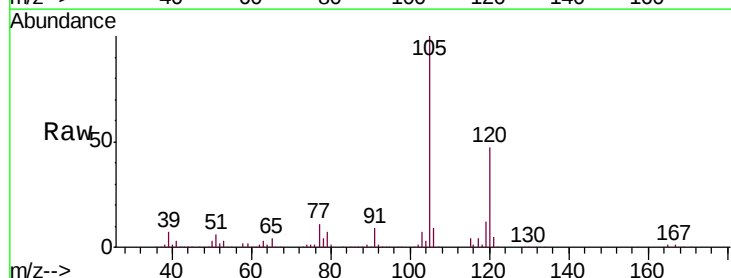


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

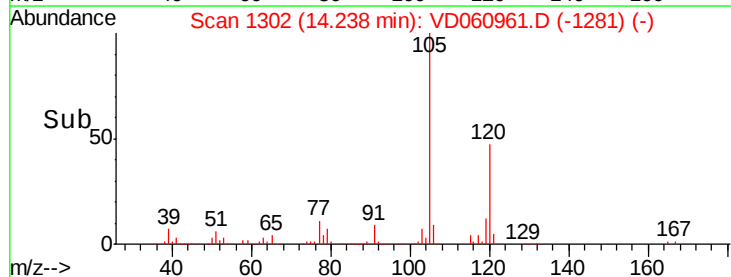
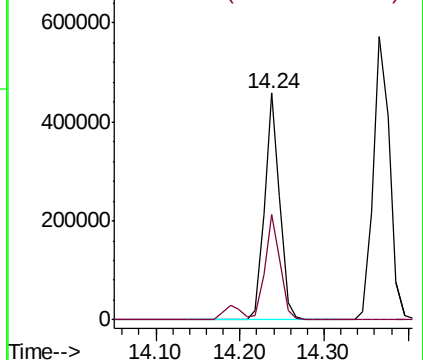


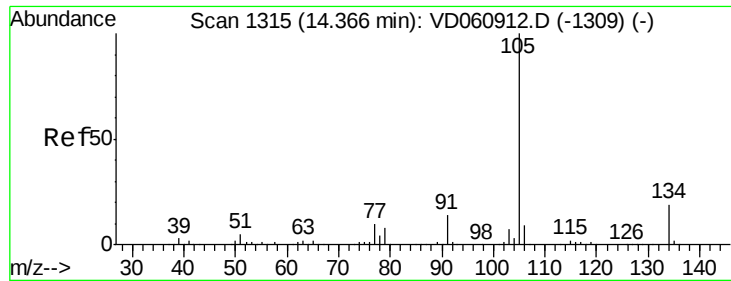
#84
 1,2,4-Trimethylbenzene
 Concen: 20.941 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion:105 Resp: 585371
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

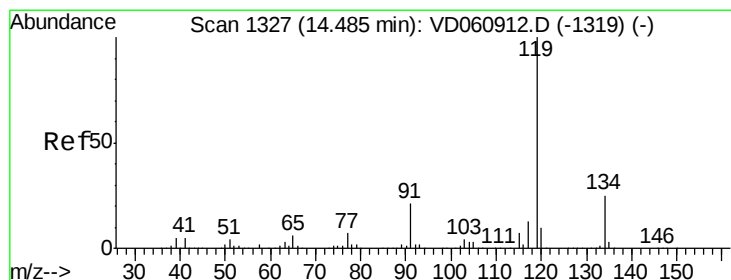
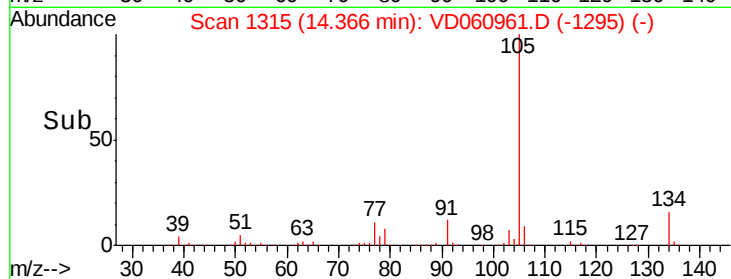
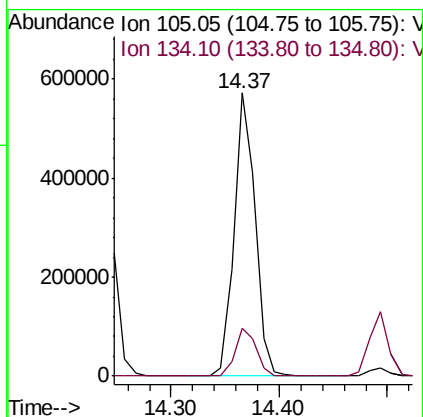
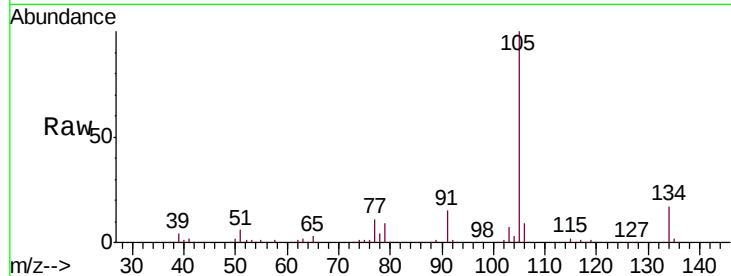




#85
 sec-Butylbenzene
 Concen: 20.723 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

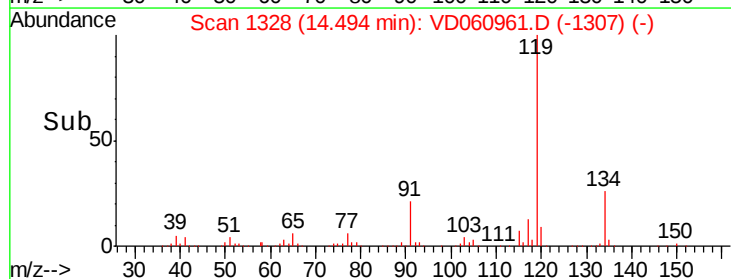
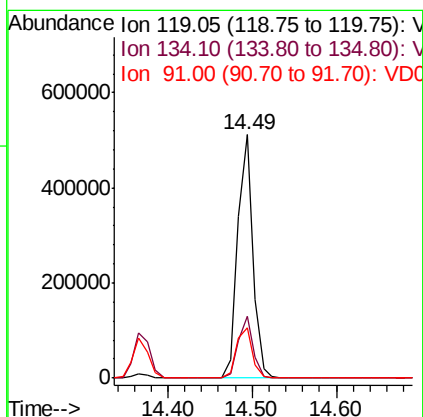
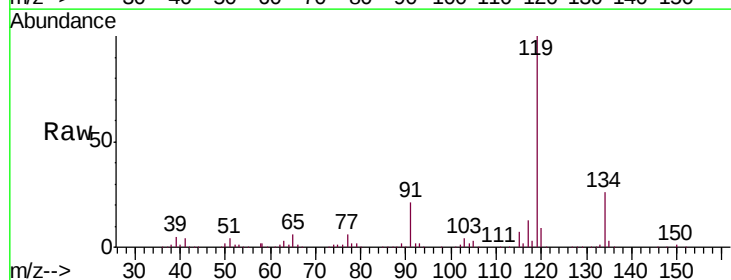
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

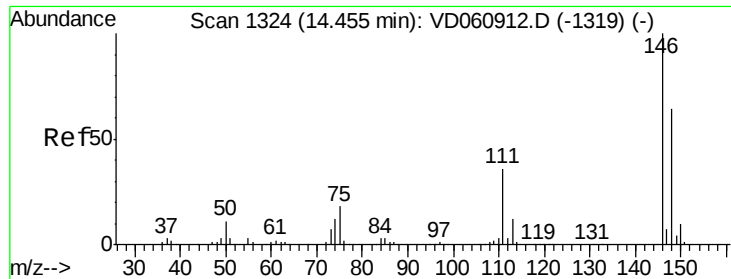
Tgt Ion:105 Resp: 768890
 Ion Ratio Lower Upper
 105 100
 134 16.7 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 21.330 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion:119 Resp: 644620
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.4 37.0
 91 20.6 10.8 32.3

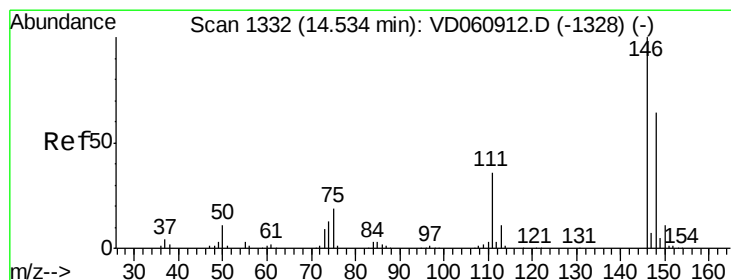
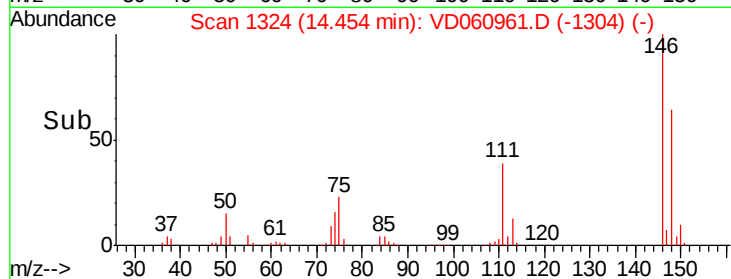
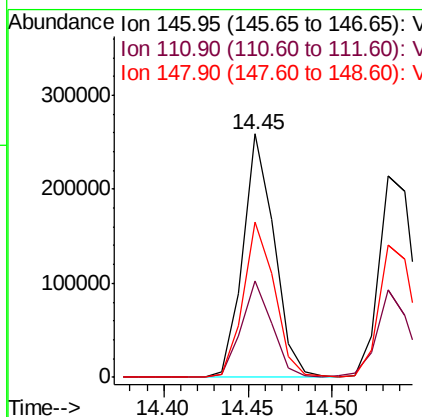
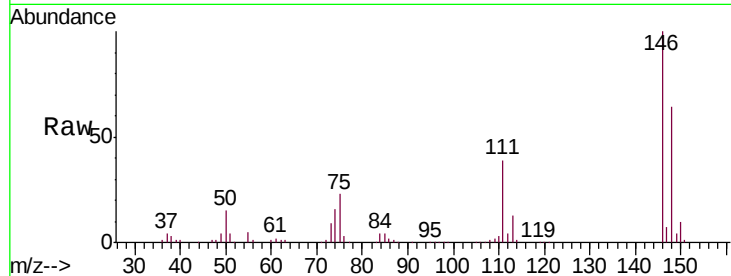




#87
 1,3-Dichlorobenzene
 Concen: 20.360 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

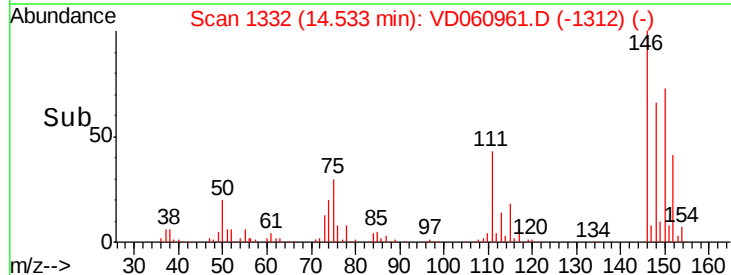
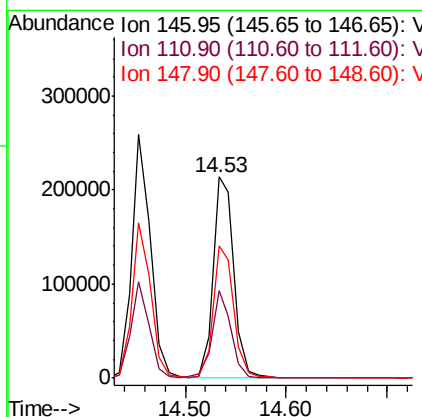
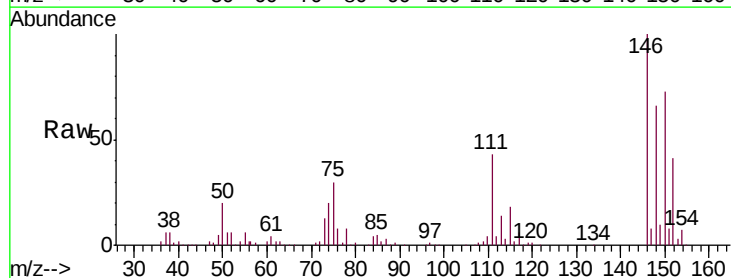
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

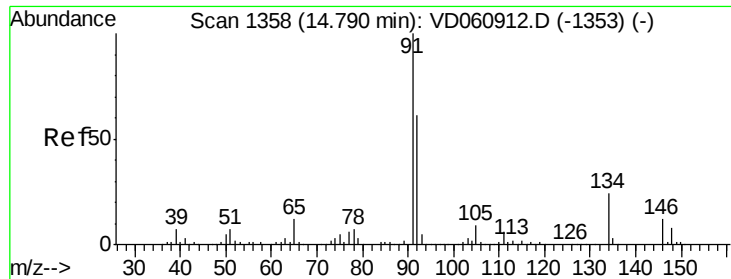
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.1	54.1
148	63.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.021 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	17.9	53.8
148	65.6	32.0	96.0





#89

n-Butylbenzene

Concen: 19.981 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD060961.D

Acq: 6 Mar 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBS01

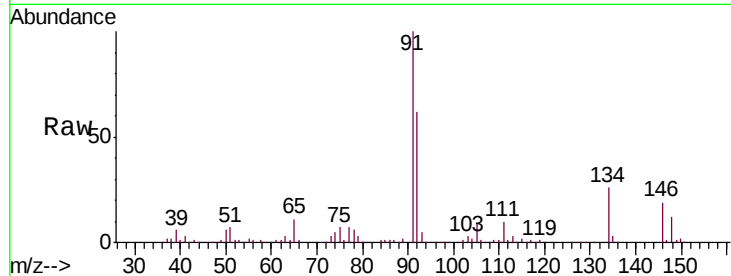
Tgt Ion: 91 Resp: 598255

Ion Ratio Lower Upper

91 100

92 61.7 30.6 91.6

134 25.9 12.0 36.0

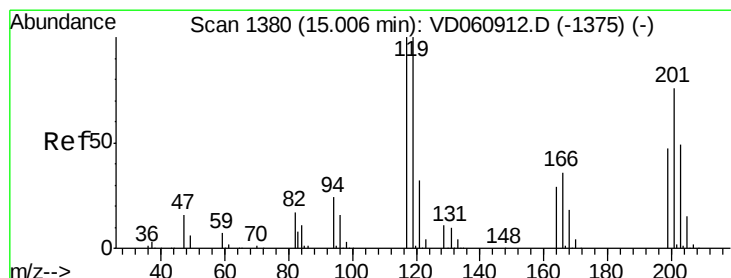
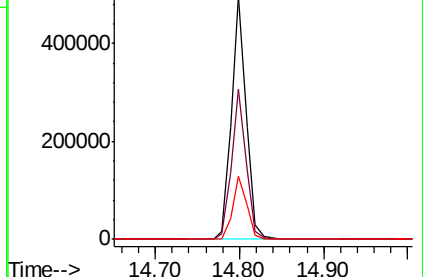
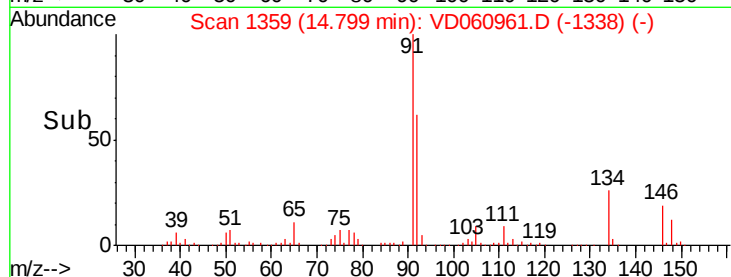


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

Time-->



#90

Hexachloroethane

Concen: 19.963 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060961.D

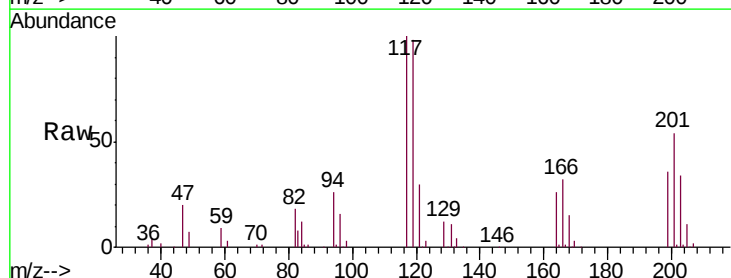
Acq: 6 Mar 2019 13:19

Tgt Ion: 117 Resp: 173986

Ion Ratio Lower Upper

117 100

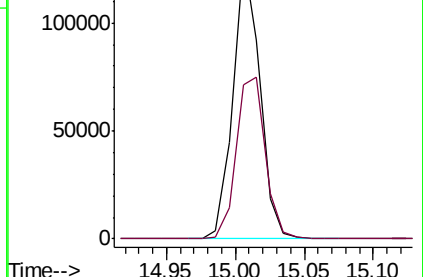
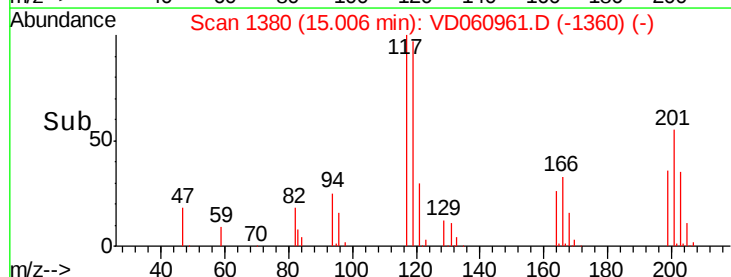
201 54.3 37.8 113.4

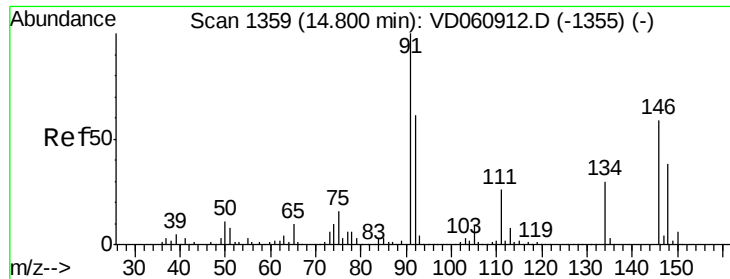


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

Time-->

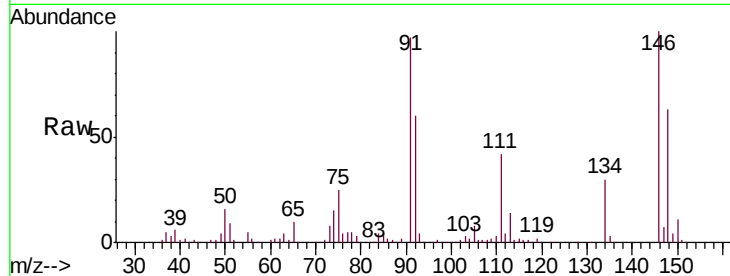




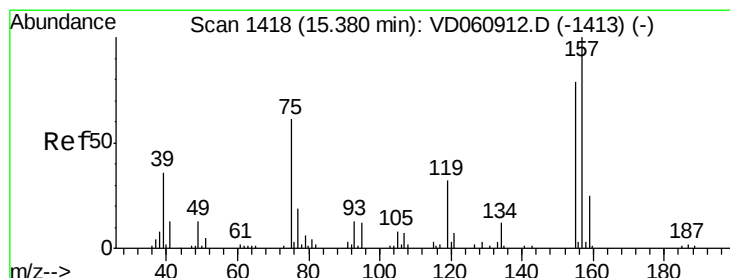
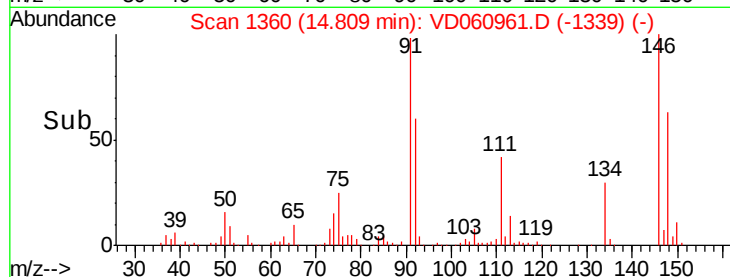
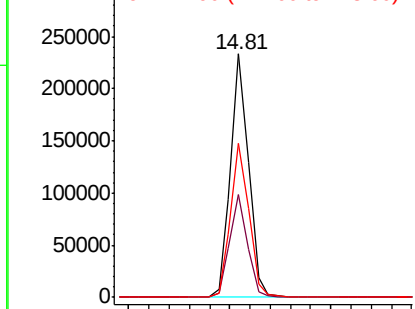
#91
 1,2-Dichlorobenzene
 Concen: 20.420 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

Tgt Ion:146 Resp: 289598
 Ion Ratio Lower Upper
 146 100
 111 42.1 22.1 66.3
 148 63.4 32.1 96.5

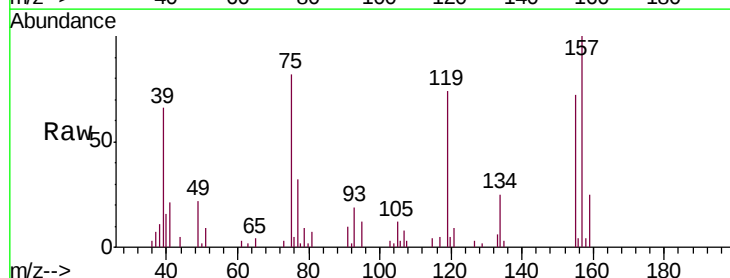


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

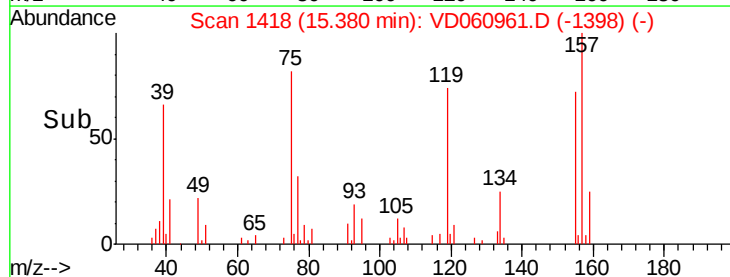
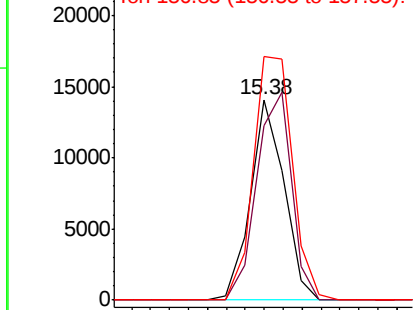


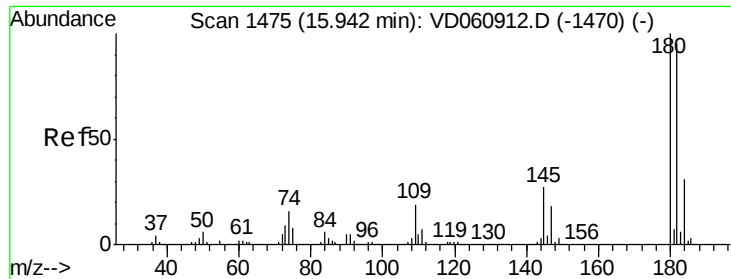
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.368 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion: 75 Resp: 17325
 Ion Ratio Lower Upper
 75 100
 155 87.3 65.0 195.0
 157 121.7 81.8 245.3



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

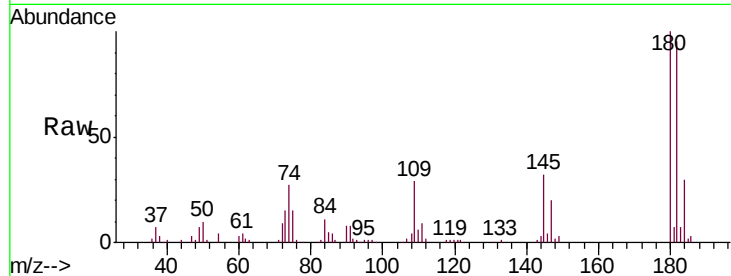




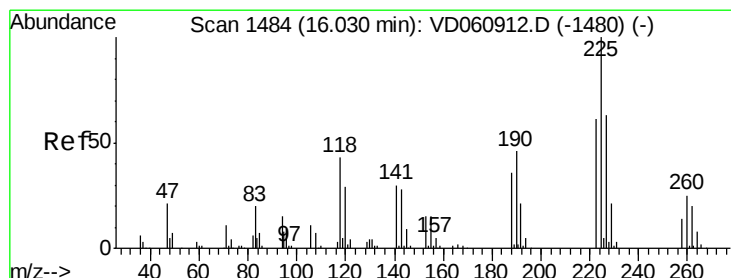
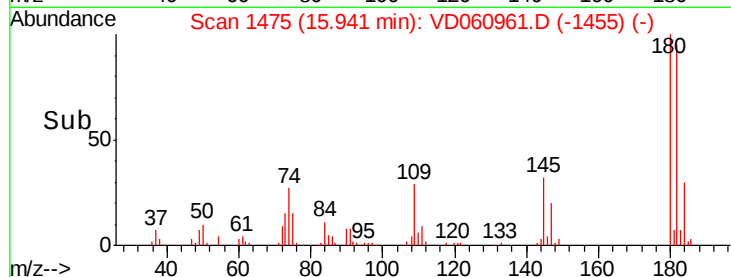
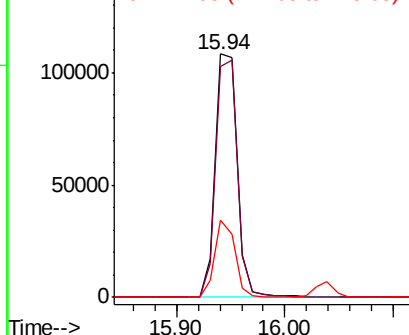
#93
 1,2,4-Trichlorobenzene
 Concen: 18.467 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

Tgt Ion:180 Resp: 152069
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.5 142.6
 145 31.8 13.5 40.5

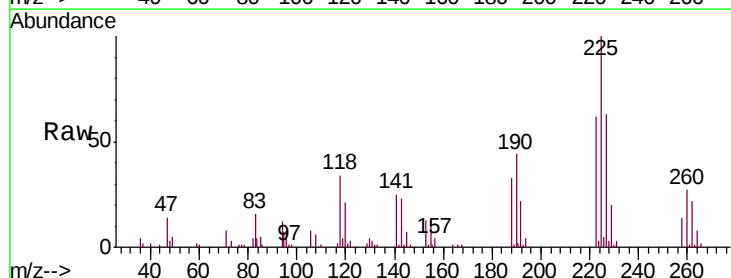


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

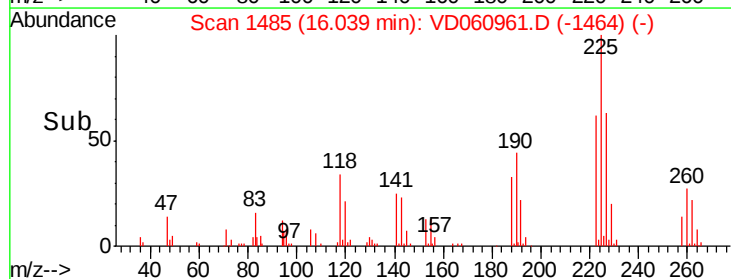
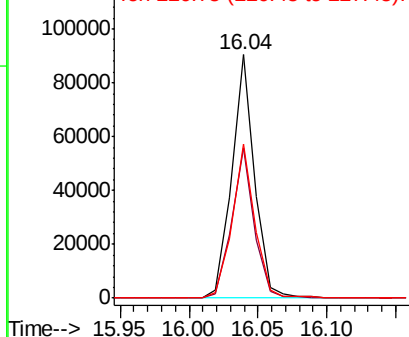


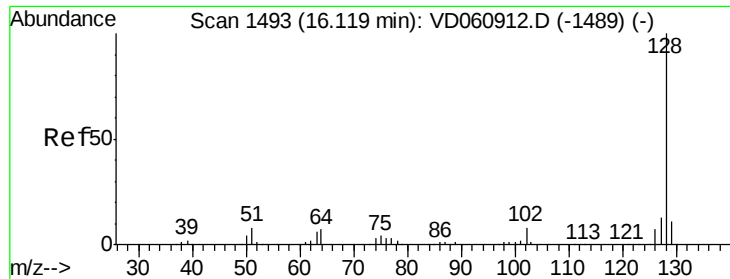
#94
 Hexachlorobutadiene
 Concen: 19.639 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060961.D
 Acq: 6 Mar 2019 13:19

Tgt Ion:225 Resp: 103802
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.4 91.3
 227 63.4 31.4 94.2



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

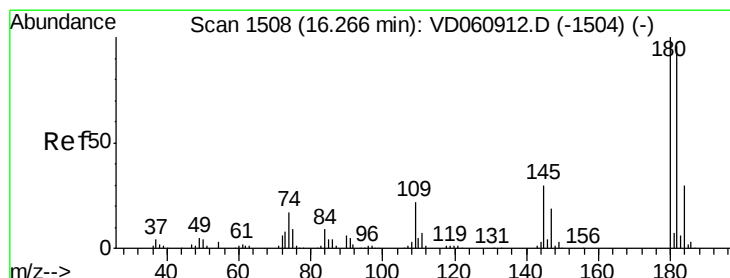
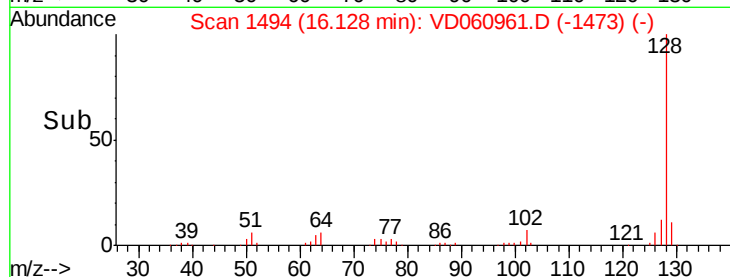
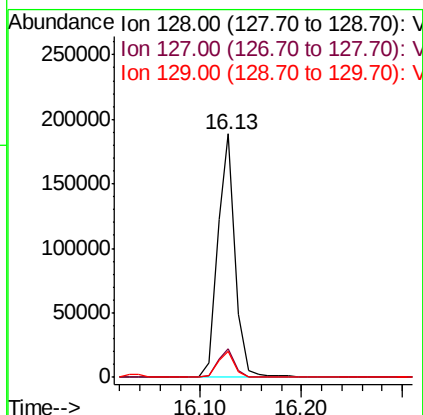
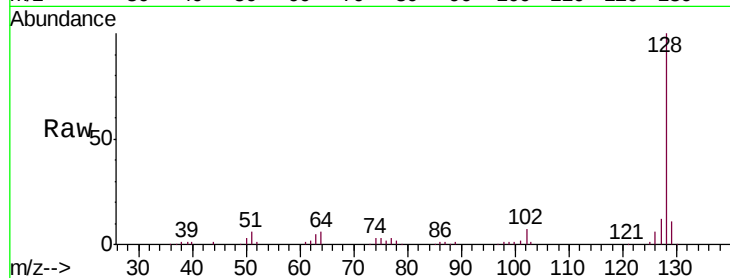




#95
Naphthalene
Concen: 17.744 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Tgt Ion:128 Resp: 227540
Ion Ratio Lower Upper
128 100
127 11.8 10.1 15.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.105 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD060961.D
Acq: 6 Mar 2019 13:19

Tgt Ion:180 Resp: 79101
Ion Ratio Lower Upper
180 100
182 100.2 48.1 144.4
145 30.5 14.8 44.4

