

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061162.D
 Acq On : 19 Mar 2019 00:51
 Operator : VA/AP
 Sample : VD0318SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Quant Time: Mar 19 01:18:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	597436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1089450	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	889102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	401963	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	261475	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	6.91	113	391653	48.44	ug/l	-0.02
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.39	98	836303	41.19	ug/l	0.00
Spiked Amount			Recovery	=	82.38%	
62) 4-Bromofluorobenzene	13.54	95	367599	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	114983	19.429	ug/l	99
3) Chloromethane	1.76	50	105583	21.417	ug/l	95
4) Vinyl Chloride	1.86	62	95477	20.959	ug/l	98
5) Bromomethane	2.15	94	15659	16.730	ug/l #	82
6) Chloroethane	2.26	64	27579	20.227	ug/l	90
7) Trichlorofluoromethane	2.53	101	127308	19.454	ug/l	96
8) Diethyl Ether	2.87	74	48674	22.547	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	153140	20.932	ug/l	96
10) Methyl Iodide	3.31	142	189445	20.633	ug/l	99
11) Tert butyl alcohol	4.05	59	35037	110.670	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	123815	20.646	ug/l	90
13) Acrolein	3.03	56	31341	68.419	ug/l	89
14) Allyl chloride	3.61	41	186025	19.387	ug/l	94
15) Acrylonitrile	4.19	53	131281	117.328	ug/l	95
16) Acetone	3.22	43	135371	95.193	ug/l	95
17) Carbon Disulfide	3.38	76	372927	18.434	ug/l	98
18) Methyl Acetate	3.63	43	62005	22.156	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	262398	24.967	ug/l	99
20) Methylene Chloride	3.81	84	148049	20.038	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	141162	21.747	ug/l	96
22) Diisopropyl ether	5.11	45	441967	22.188	ug/l	98
23) Vinyl Acetate	5.04	43	1168332	114.260	ug/l	99
24) 1,1-Dichloroethane	4.98	63	252073	23.097	ug/l	98
25) 2-Butanone	6.05	43	175122	108.525	ug/l	99
26) 2,2-Dichloropropane	6.00	77	165608	19.438	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	153256	22.253	ug/l	95
28) Bromochloromethane	6.43	49	83710	18.118	ug/l	96
29) Tetrahydrofuran	6.45	42	96682	110.341	ug/l	97
30) Chloroform	6.65	83	248770	21.994	ug/l	97
31) Cyclohexane	6.95	56	180894	20.556	ug/l	91
32) 1,1,1-Trichloroethane	6.86	97	220055	22.503	ug/l	96
36) 1,1-Dichloropropene	7.14	75	181976	19.378	ug/l	96
37) Ethyl Acetate	6.17	43	87331	19.817	ug/l	96
38) Carbon Tetrachloride	7.10	117	207919	20.100	ug/l	98

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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Quant Time: Mar 19 01:18:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	180067	18.492	ug/l	99
40) Benzene	7.44	78	494563	21.076	ug/l	100
41) Methacrylonitrile	6.43	41	102231	20.169	ug/l #	91
42) 1,2-Dichloroethane	7.56	62	147252	21.624	ug/l	98
43) Isopropyl Acetate	9.22	43	120296	19.709	ug/l #	99
44) Trichloroethene	8.52	130	168157	20.772	ug/l	99
45) 1,2-Dichloropropane	8.93	63	114452	18.565	ug/l	97
46) Dibromomethane	9.05	93	84382	21.578	ug/l	97
47) Bromodichloromethane	9.36	83	188101	21.316	ug/l	97
48) Methyl methacrylate	9.11	41	72694	21.153	ug/l	98
49) 1,4-Dioxane	9.07	88	14634	421.126	ug/l #	91
51) 4-Methyl-2-Pentanone	10.29	43	407643	109.018	ug/l	98
52) Toluene	10.49	92	304984	20.901	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	168465	20.878	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	204788	21.123	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	111103	22.864	ug/l	97
56) Ethyl methacrylate	11.02	69	115830	22.773	ug/l	97
57) 1,3-Dichloropropane	11.40	76	172006	23.686	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	275658	102.387	ug/l	99
59) 2-Hexanone	11.52	43	285368	104.331	ug/l	99
60) Dibromochloromethane	11.67	129	153339	21.441	ug/l	98
61) 1,2-Dibromoethane	11.79	107	126659	22.406	ug/l	97
64) Tetrachloroethene	11.24	164	140859	23.469	ug/l	98
65) Chlorobenzene	12.39	112	355990	20.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	149212	24.016	ug/l	97
67) Ethyl Benzene	12.51	91	586997	22.621	ug/l	100
68) m/p-Xylenes	12.66	106	451770	44.357	ug/l	95
69) o-Xylene	13.04	106	221868	22.162	ug/l	99
70) Styrene	13.06	104	378386	23.146	ug/l	98
71) Bromoform	13.22	173	93019	23.208	ug/l #	98
73) Isopropylbenzene	13.40	105	575443	19.864	ug/l	100
74) N-amyl acetate	13.26	43	165823	20.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	124308	21.994	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	133634	23.108	ug/l	98
77) Bromobenzene	13.66	156	166903	22.570	ug/l	99
78) n-propylbenzene	13.76	91	681089	20.083	ug/l	100
79) 2-Chlorotoluene	13.83	91	400510	21.451	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	490102	22.286	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	33955	19.916	ug/l	97
82) 4-Chlorotoluene	13.94	91	404942	18.346	ug/l	99
83) tert-Butylbenzene	14.18	119	541564	22.502	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	490102	22.286	ug/l	98
85) sec-Butylbenzene	14.36	105	526516	17.920	ug/l	97
86) p-Isopropyltoluene	14.48	119	504728	21.016	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	284128	21.517	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	284630	21.935	ug/l	99
89) n-Butylbenzene	14.79	91	430551	18.668	ug/l	96
90) Hexachloroethane	15.00	117	142408	20.999	ug/l	89
91) 1,2-Dichlorobenzene	14.80	146	254470	23.117	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16030	23.536	ug/l	85

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Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Quant Time: Mar 19 01:18:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

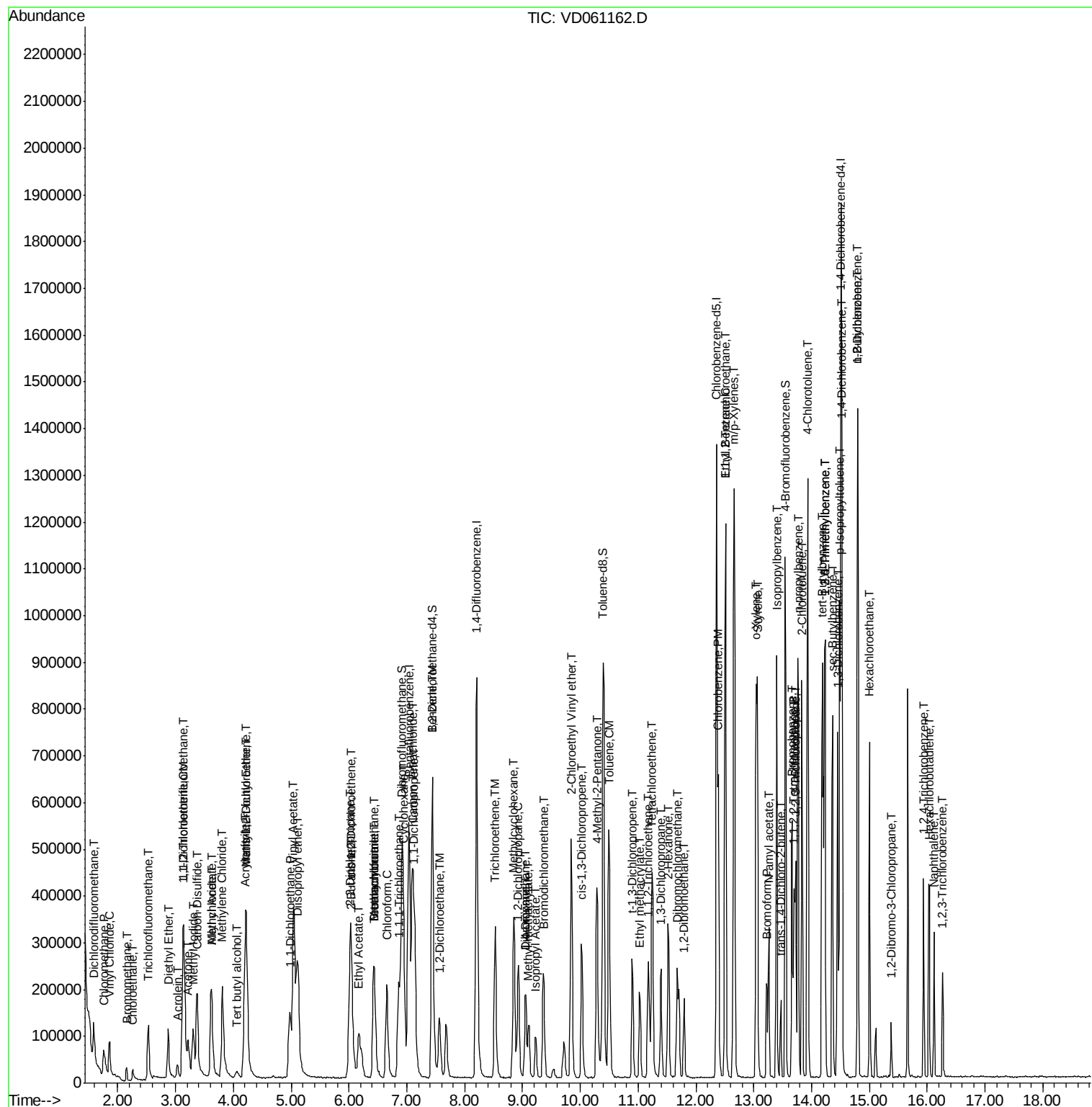
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	103073	20.184	ug/l	98
94) Hexachlorobutadiene	16.04	225	75594	19.571	ug/l	96
95) Naphthalene	16.11	128	198273	25.550	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	57582	22.830	ug/l	92

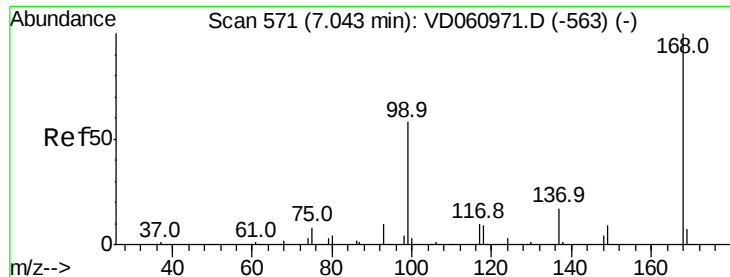
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 19 01:18:37 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

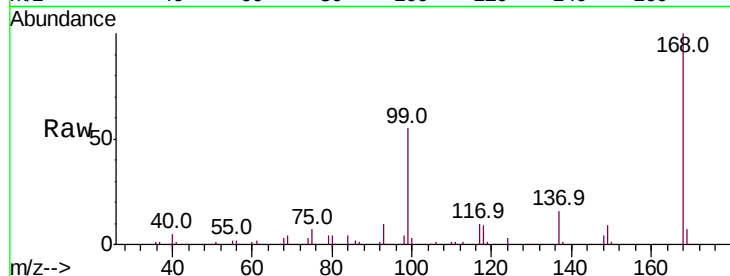
VD0318SBS02

Tot Ion:168 Resp: 597436

Ion Ratio Lower Upper

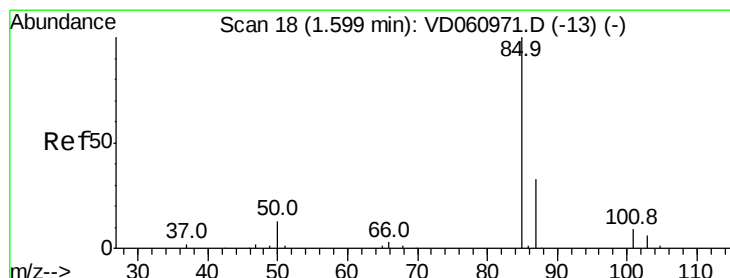
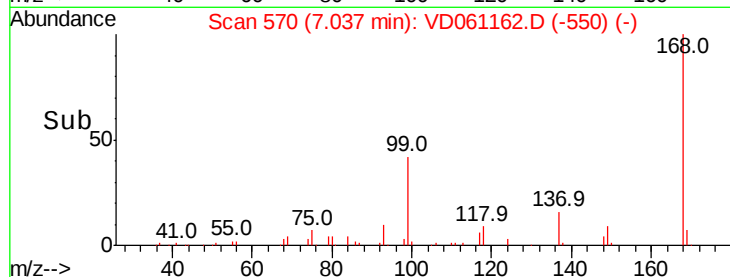
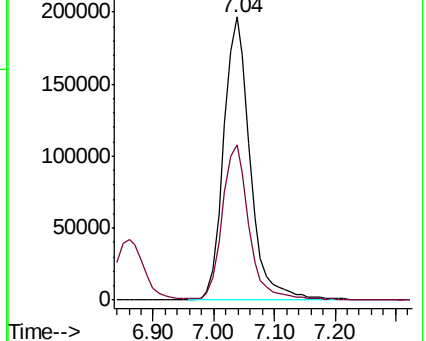
168 100

99 55.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.429 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061162.D

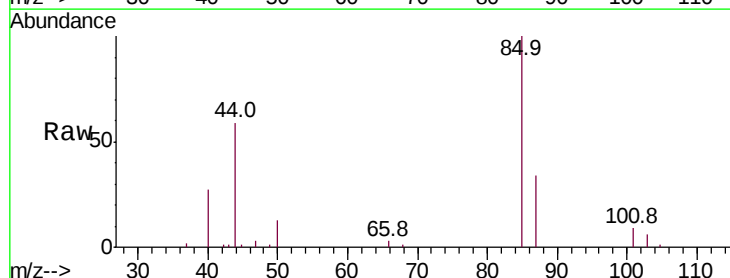
Acq: 19 Mar 2019 00:51

Tgt Ion: 85 Resp: 114983

Ion Ratio Lower Upper

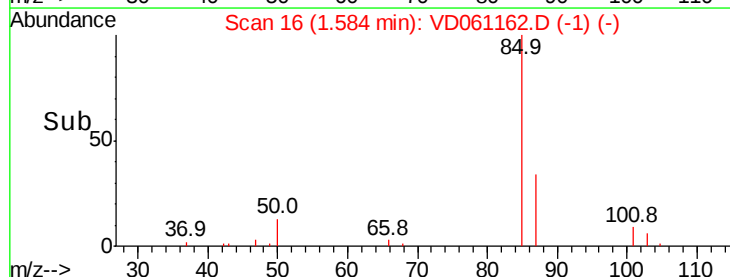
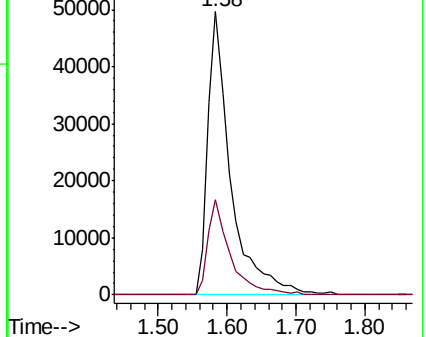
85 100

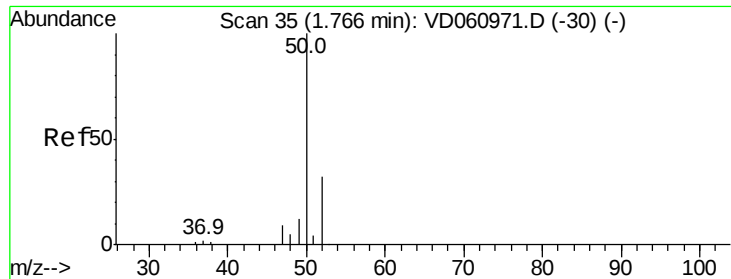
87 33.6 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.417 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

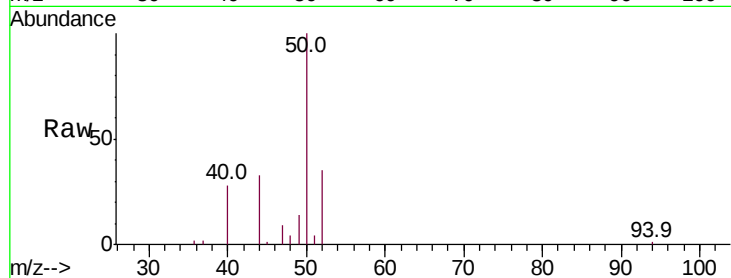
VD0318SBS02

Tot Ion: 50 Resp: 105583

Ion Ratio Lower Upper

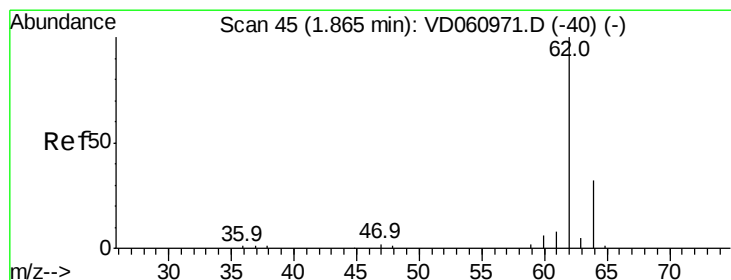
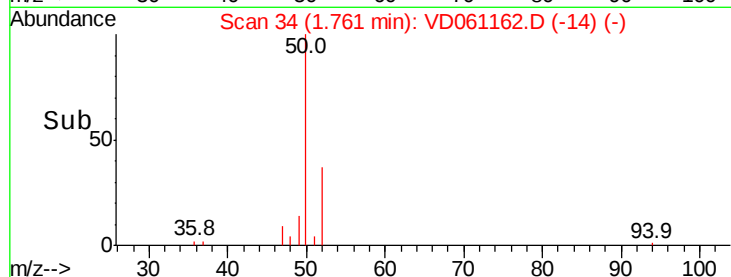
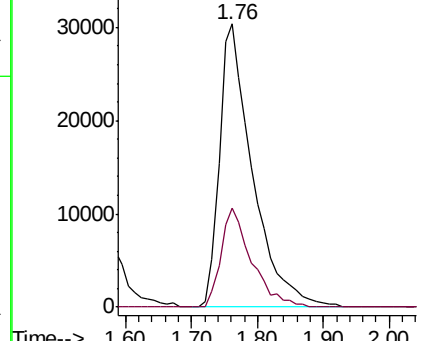
50 100

52 35.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.959 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061162.D

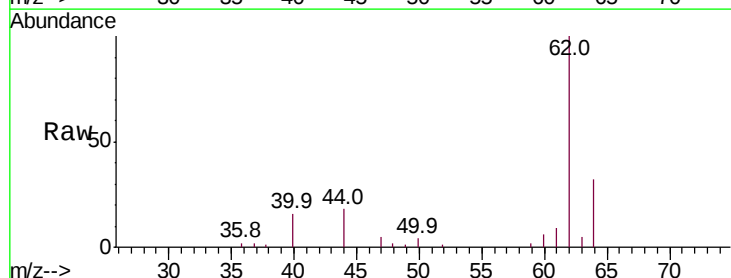
Acq: 19 Mar 2019 00:51

Tgt Ion: 62 Resp: 95477

Ion Ratio Lower Upper

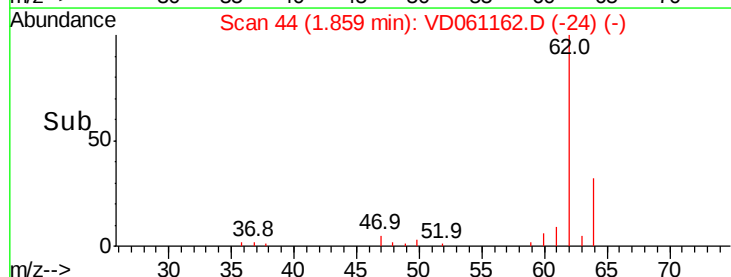
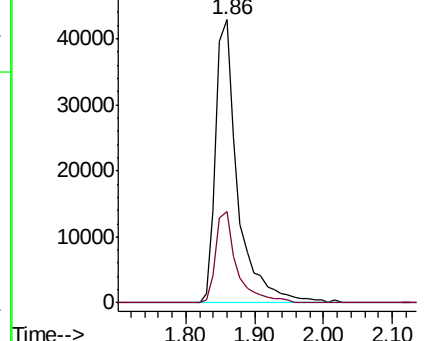
62 100

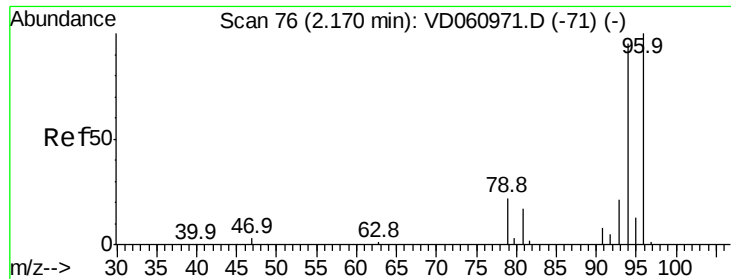
64 32.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.730 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

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VD0318SBS02

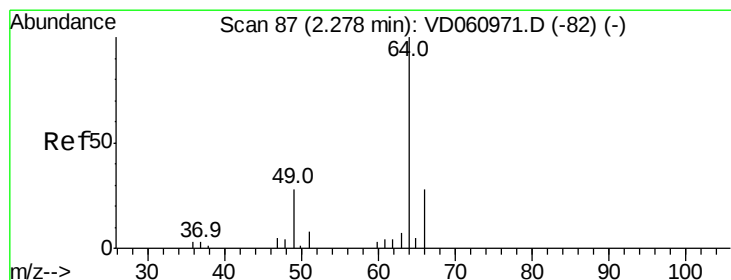
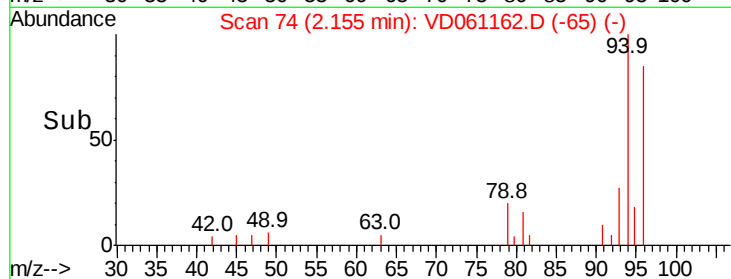
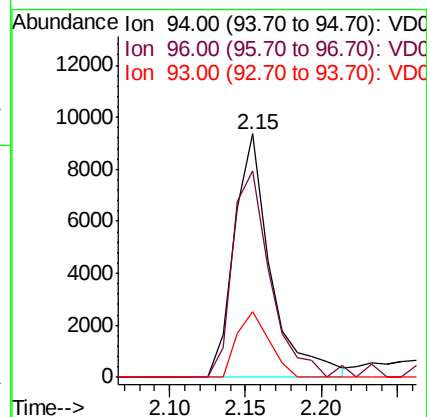
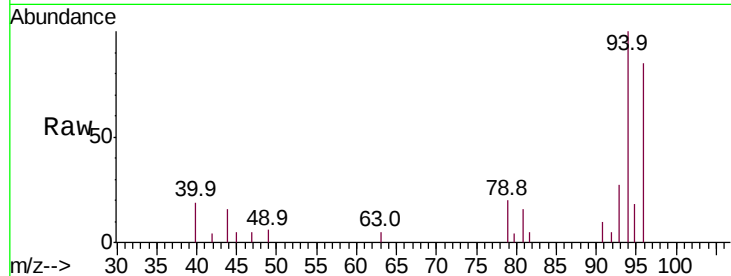
Tot Ion: 94 Resp: 15659

Ion Ratio Lower Upper

94 100

96 84.6 84.0 126.0

93 27.1 17.3 25.9#



#6

Chloroethane

Concen: 20.227 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061162.D

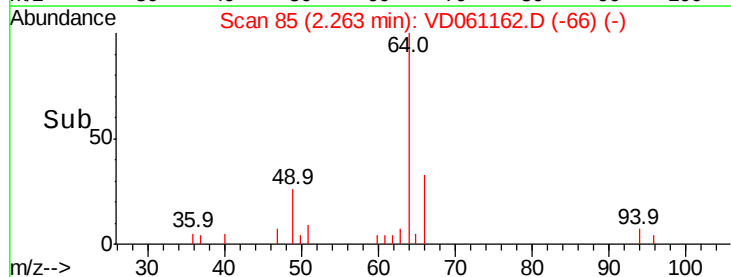
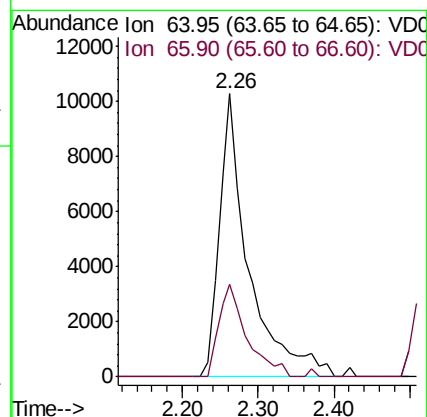
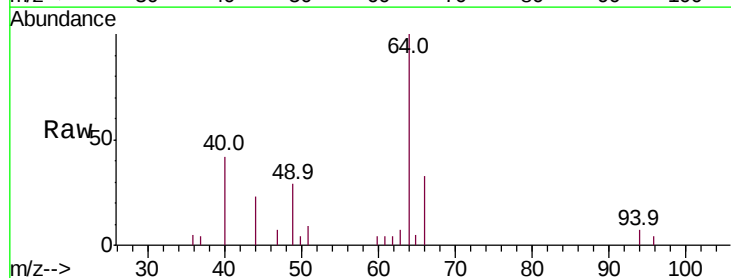
Acq: 19 Mar 2019 00:51

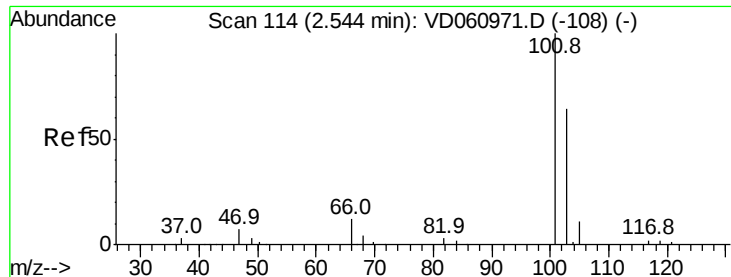
Tgt Ion: 64 Resp: 27579

Ion Ratio Lower Upper

64 100

66 32.7 22.2 33.2



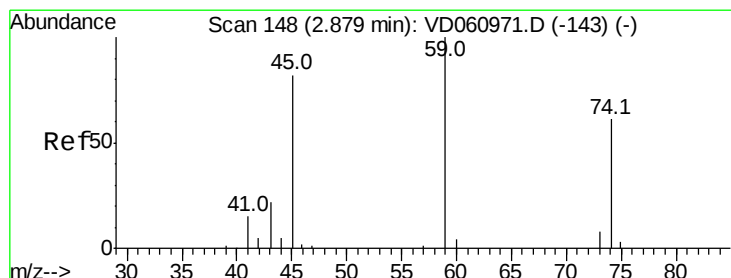
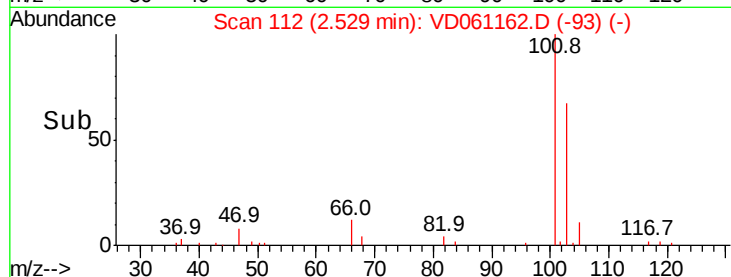
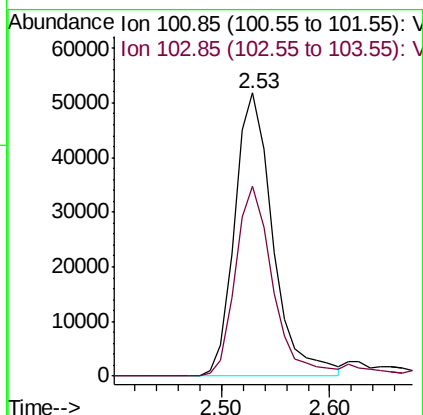
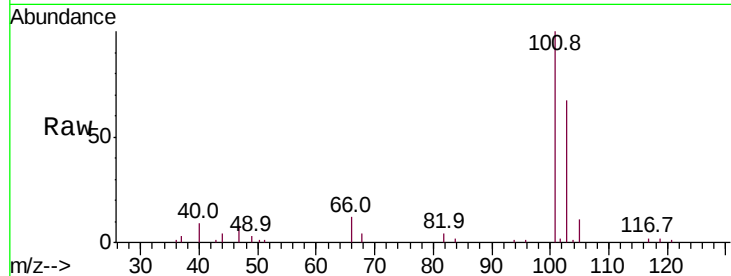


#7

Trichlorofluoromethane
 Concen: 19.454 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

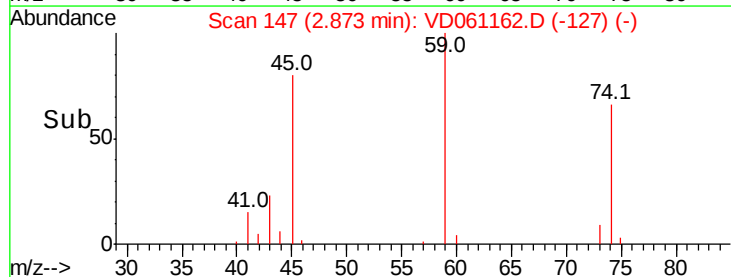
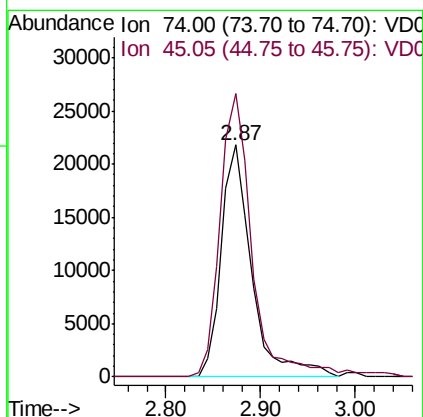
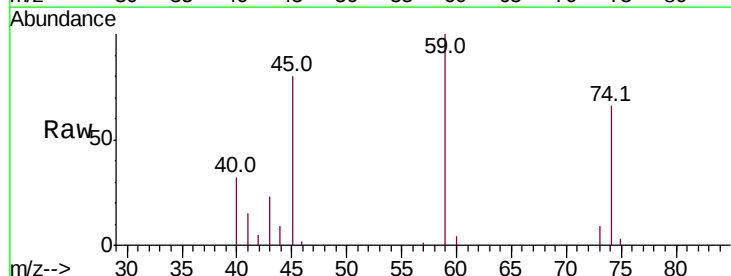
Tot Ion:101 Resp: 127308
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.2 76.8

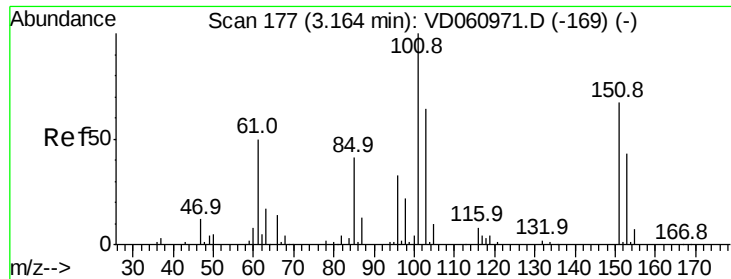


#8

Diethyl Ether
 Concen: 22.547 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Tgt Ion: 74 Resp: 48674
 Ion Ratio Lower Upper
 74 100
 45 122.1 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.932 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

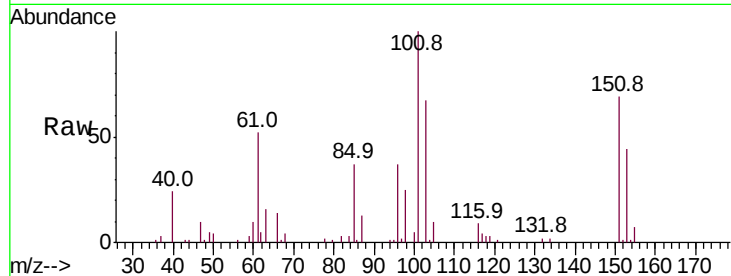
Tot Ion:101 Resp: 153140

Ion Ratio Lower Upper

101 100

85 37.5 32.5 48.7

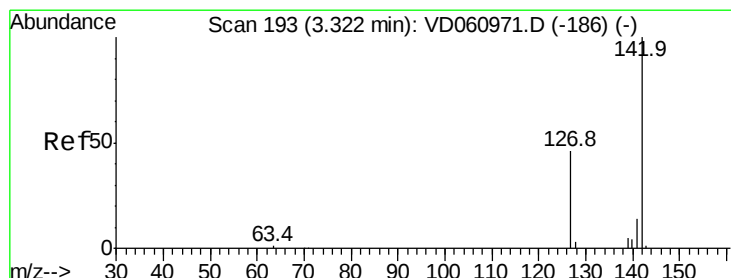
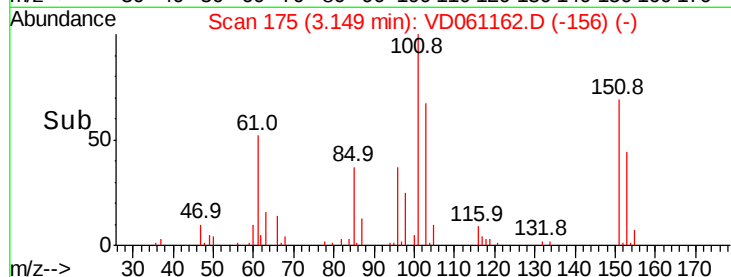
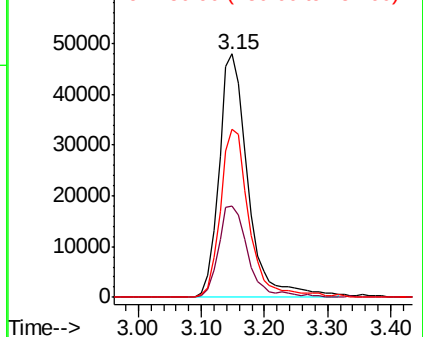
151 69.1 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.633 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

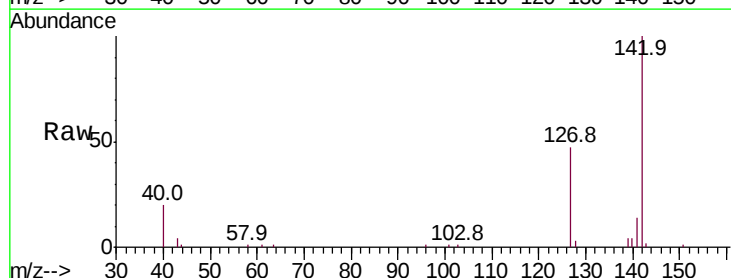
Tgt Ion:142 Resp: 189445

Ion Ratio Lower Upper

142 100

127 47.1 36.8 55.2

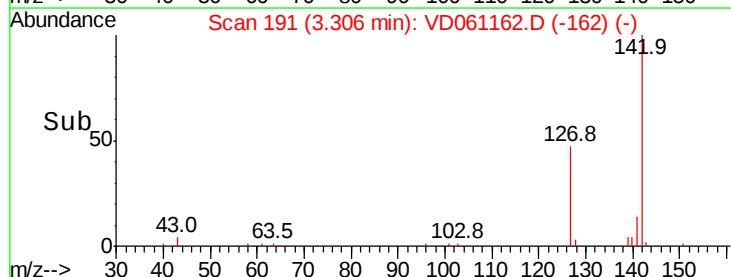
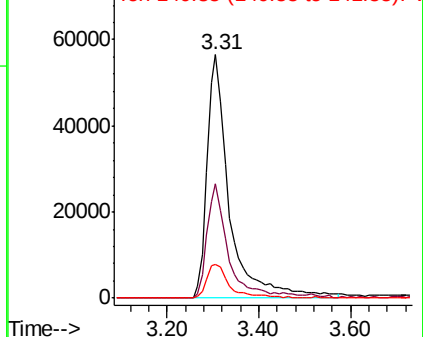
141 13.8 11.2 16.8

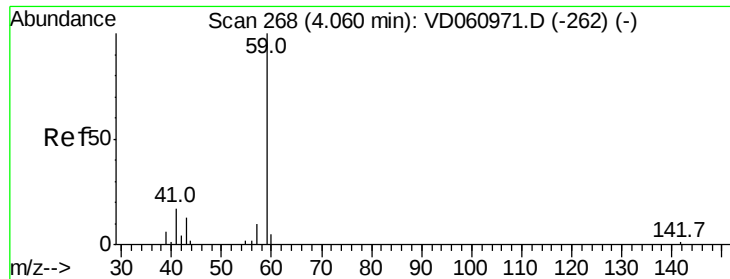


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



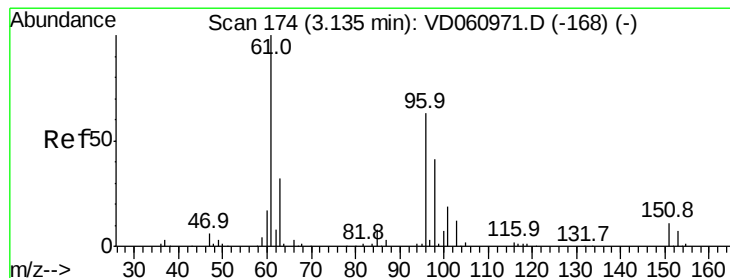
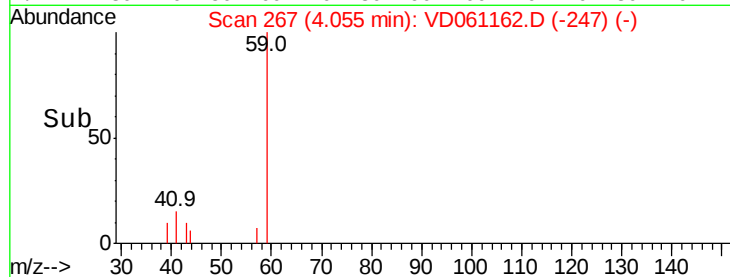
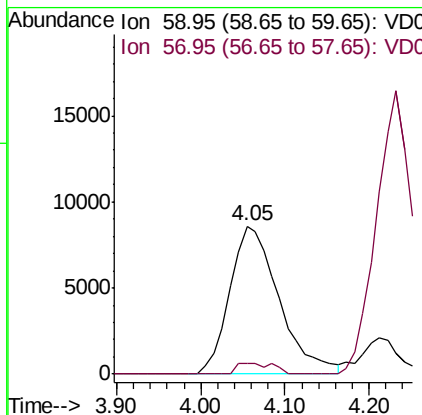
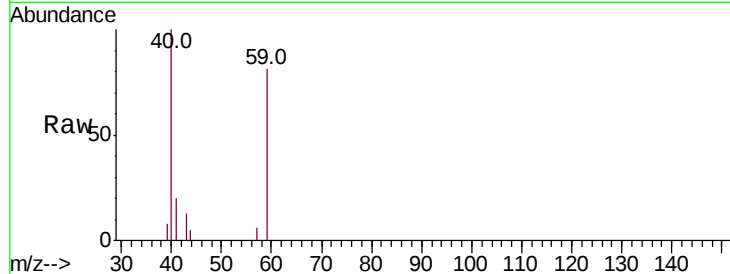


#11

Tert butyl alcohol
Concen: 110.670 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

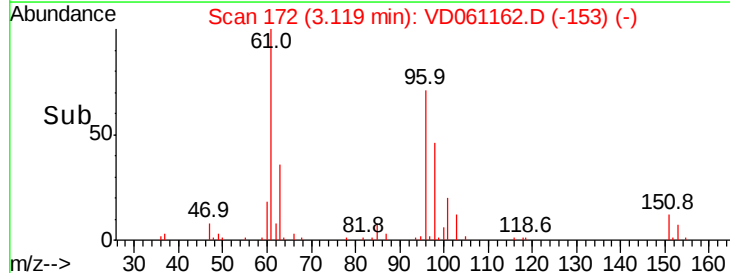
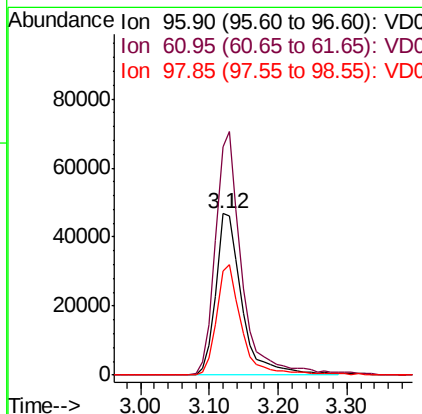
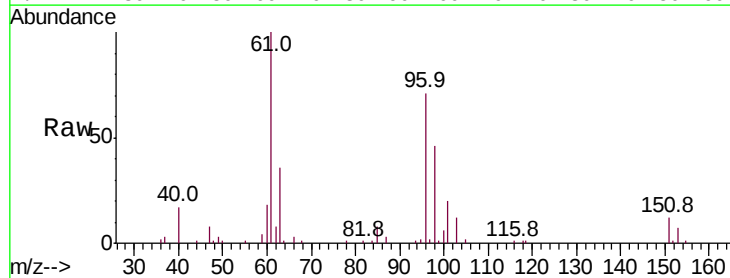
Tot Ion: 59 Resp: 35037
Ion Ratio Lower Upper
59 100
57 6.9 7.1 10.7#

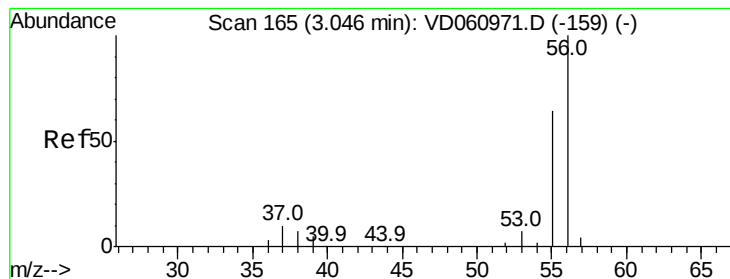


#12

1,1-Dichloroethene
Concen: 20.646 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.02 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 96 Resp: 123815
Ion Ratio Lower Upper
96 100
61 141.2 127.1 190.7
98 64.7 51.5 77.3





#13

Acrolein

Concen: 68.419 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

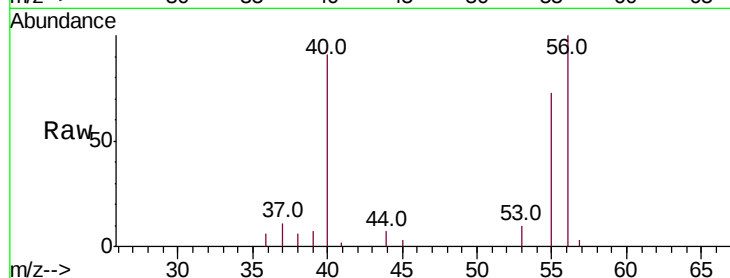
VD0318SBS02

Tot Ion: 56 Resp: 31341

Ion Ratio Lower Upper

56 100

55 72.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

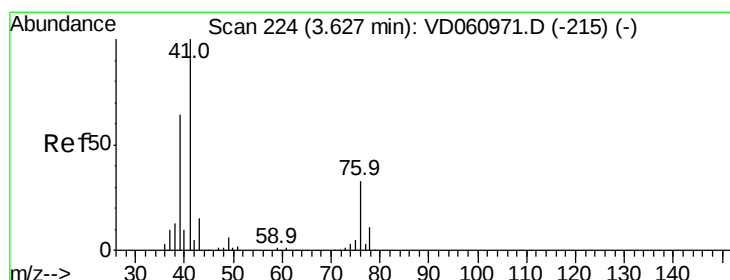
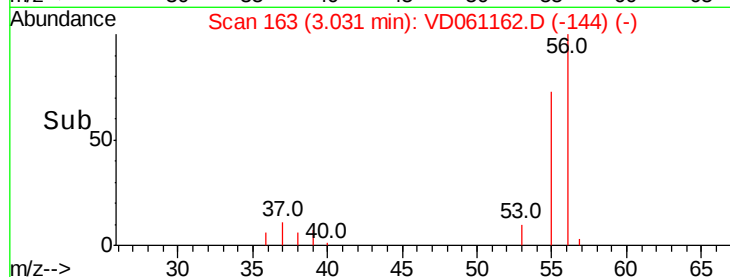
10000

5000

0

Time-->

3.00 3.10



#14

Allyl chloride

Concen: 19.387 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

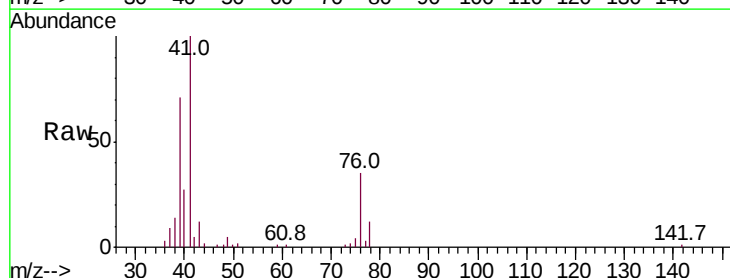
Tgt Ion: 41 Resp: 186025

Ion Ratio Lower Upper

41 100

39 70.9 51.1 76.7

76 35.5 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.61

80000

60000

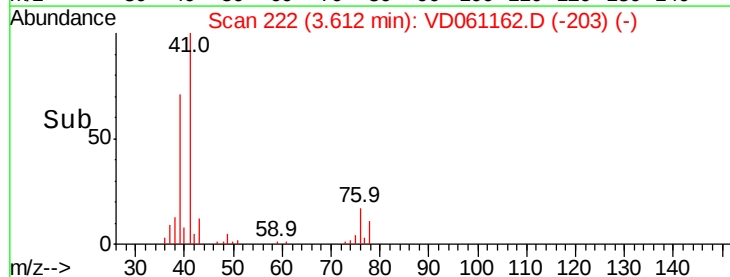
40000

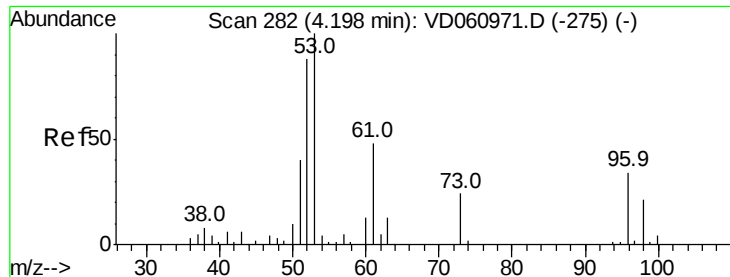
20000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 117.328 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

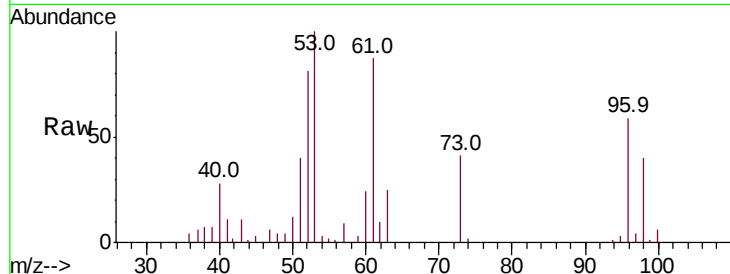
Tot Ion: 53 Resp: 131281

Ion Ratio Lower Upper

53 100

52 81.2 70.2 105.4

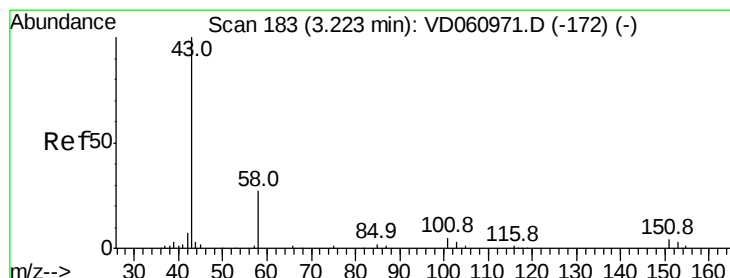
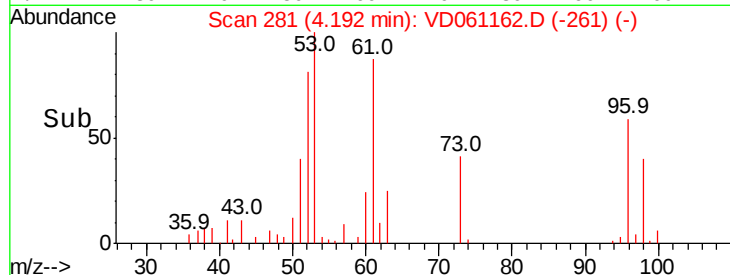
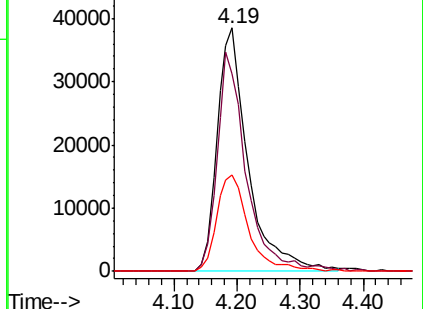
51 39.7 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.193 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061162.D

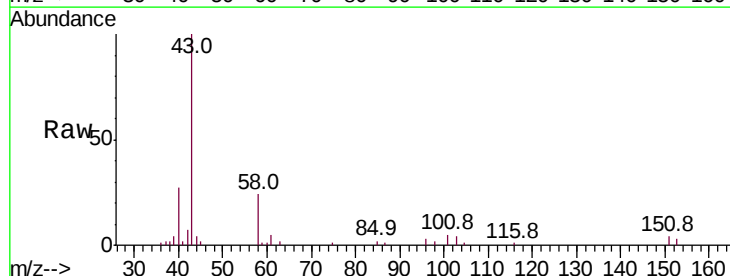
Acq: 19 Mar 2019 00:51

Tgt Ion: 43 Resp: 135371

Ion Ratio Lower Upper

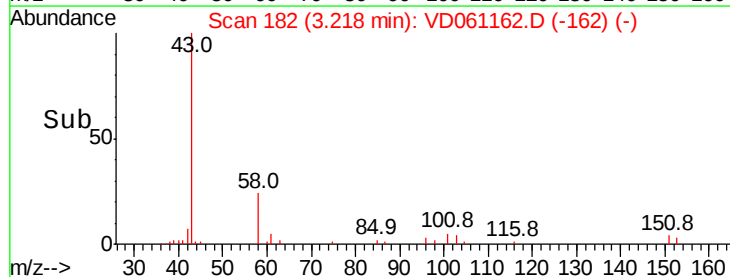
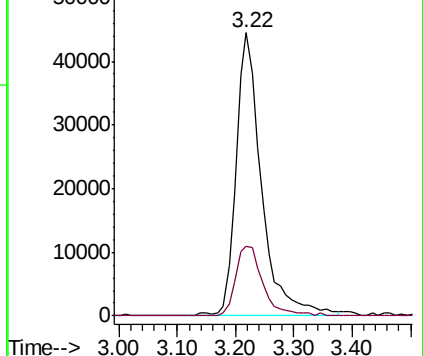
43 100

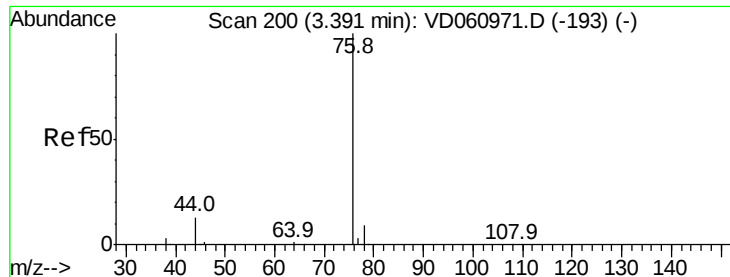
58 24.5 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

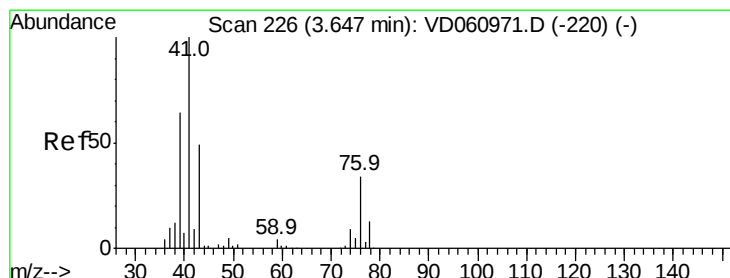
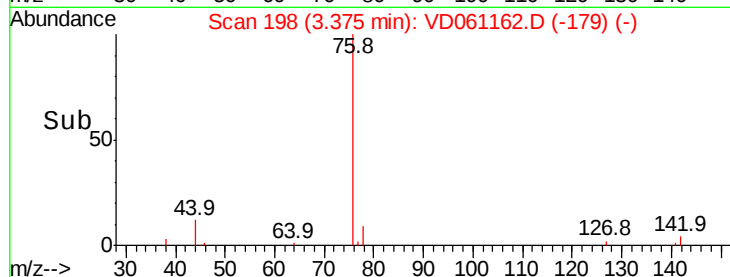
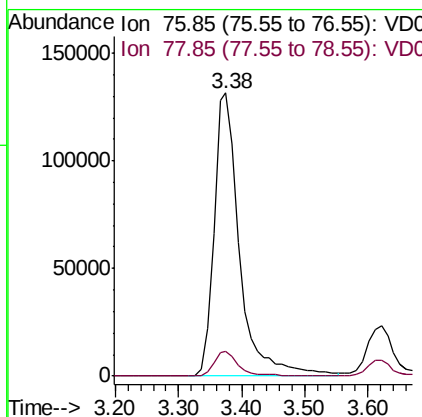
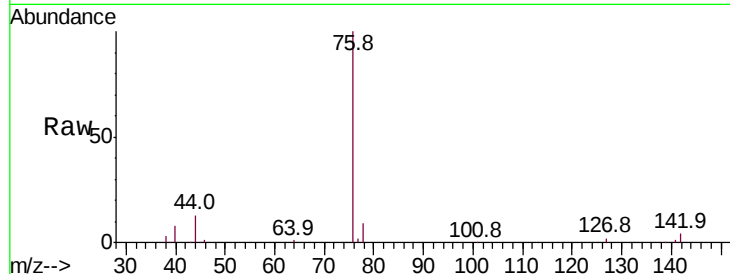




#17
Carbon Disulfide
Concen: 18.434 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

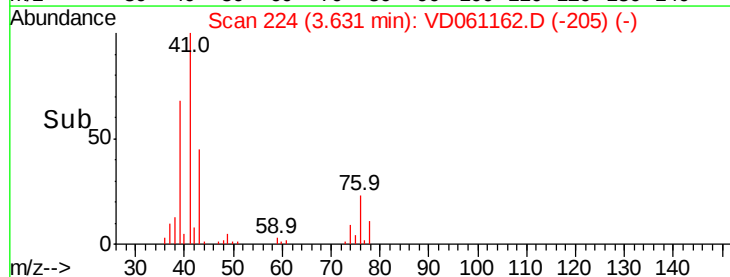
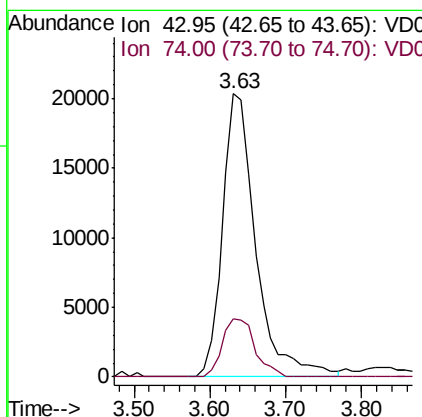
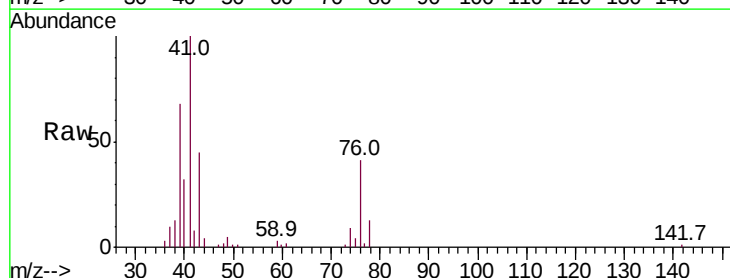
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

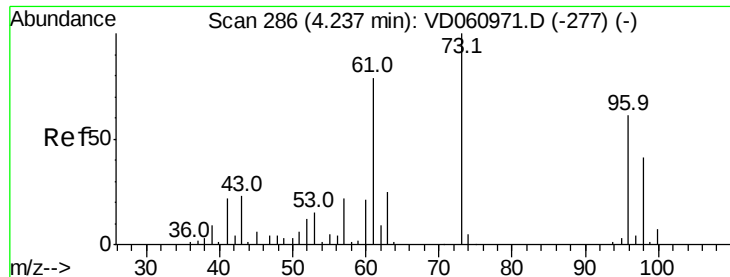
Tot Ion: 76 Resp: 372927
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 22.156 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 43 Resp: 62005
Ion Ratio Lower Upper
43 100
74 20.5 14.6 21.8

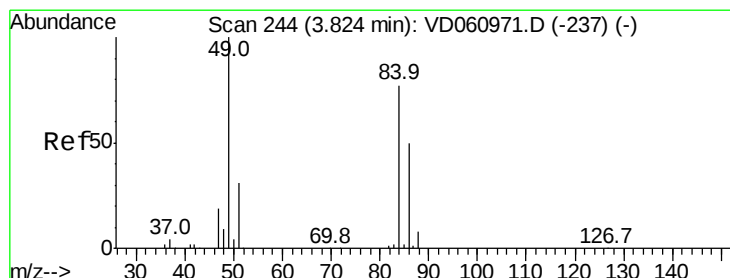
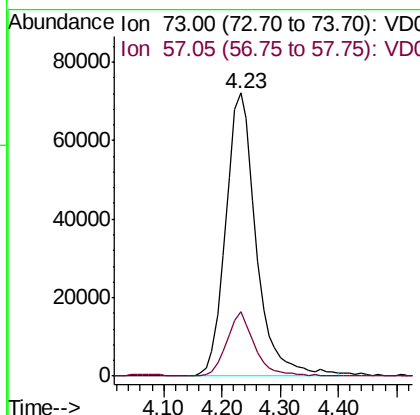
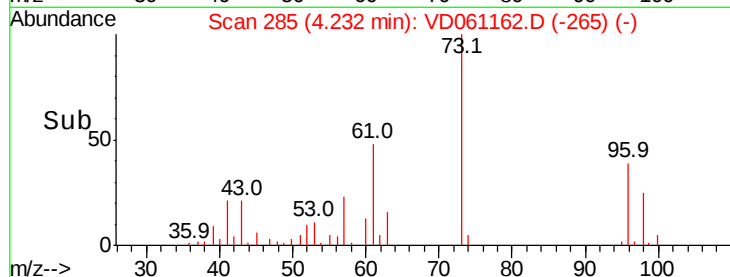
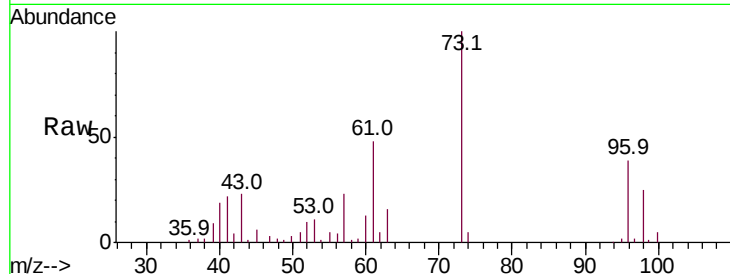




#19
Methyl tert-butyl Ether
Concen: 24.967 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

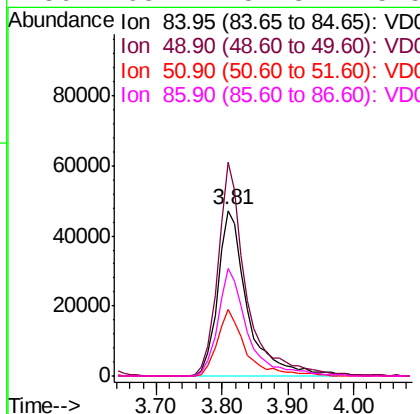
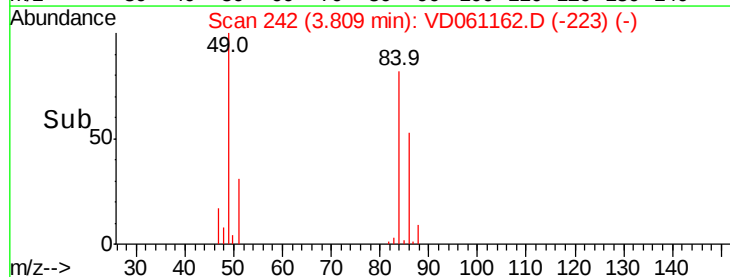
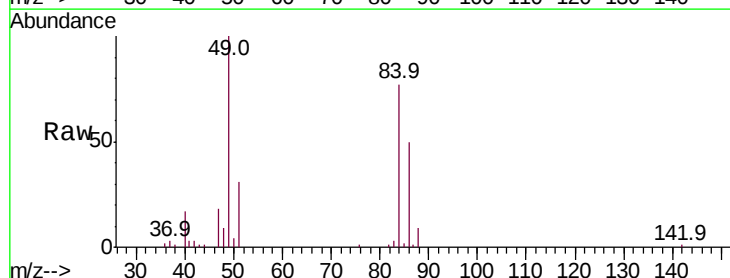
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

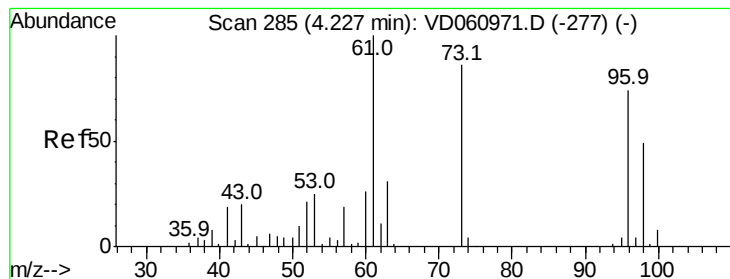
Tot Ion: 73 Resp: 262398
Ion Ratio Lower Upper
73 100
57 22.8 17.7 26.5



#20
Methylene Chloride
Concen: 20.038 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 84 Resp: 148049
Ion Ratio Lower Upper
84 100
49 129.3 104.2 156.2
51 39.9 32.3 48.5
86 65.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.747 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

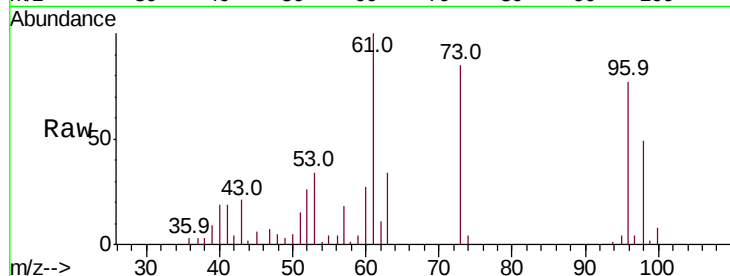
Tot Ion: 96 Resp: 141162

Ion Ratio Lower Upper

96 100

61 130.6 108.4 162.6

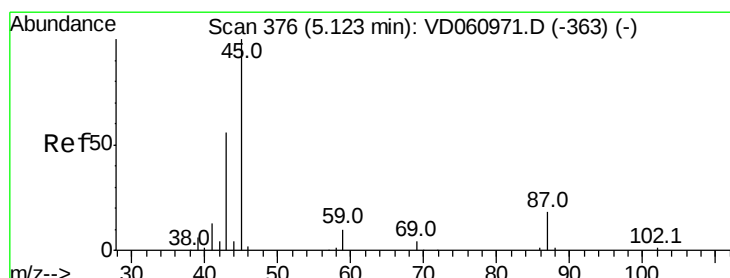
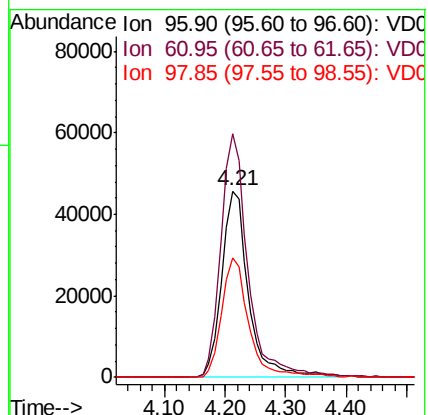
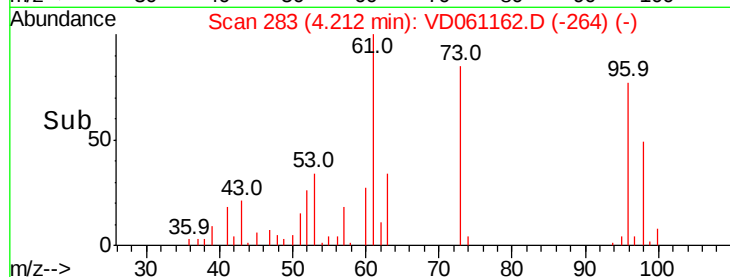
98 64.1 53.0 79.4



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: 22.188 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Tgt Ion: 45 Resp: 441967

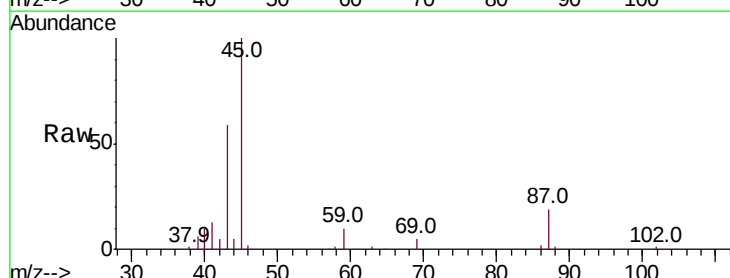
Ion Ratio Lower Upper

45 100

43 58.9 45.8 68.8

87 18.8 14.9 22.3

59 9.8 8.0 12.0

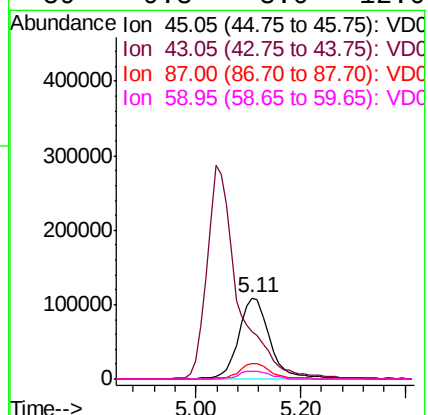
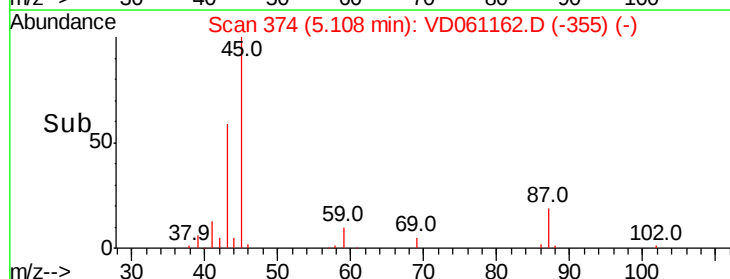


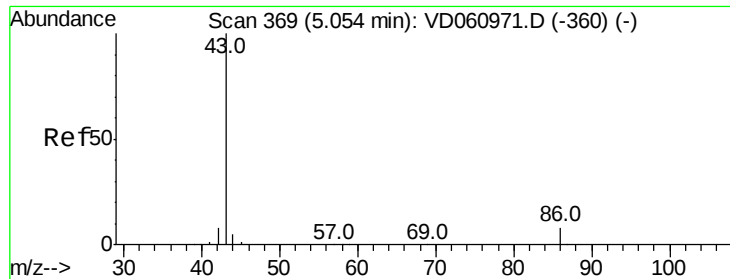
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 114.260 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

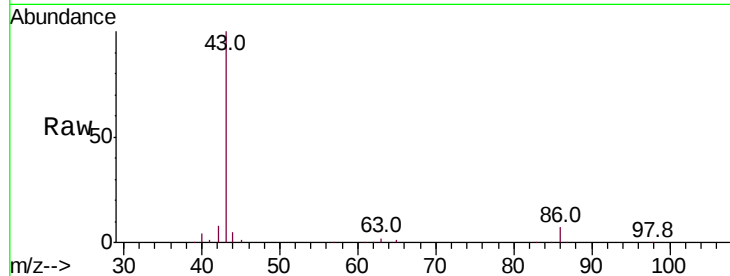
VD0318SBS02

Tot Ion: 43 Resp: 1168332

Ion Ratio Lower Upper

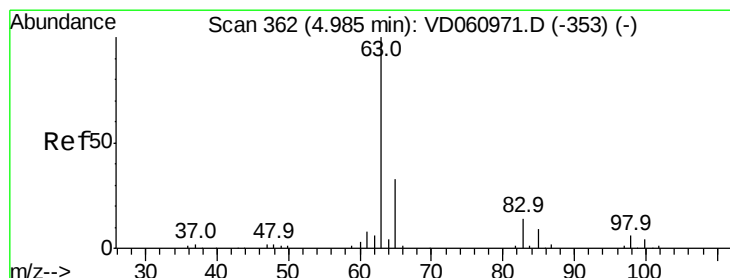
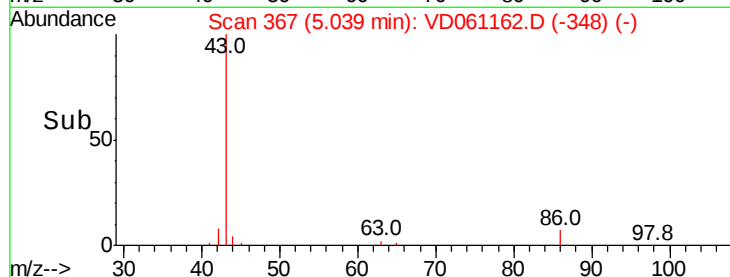
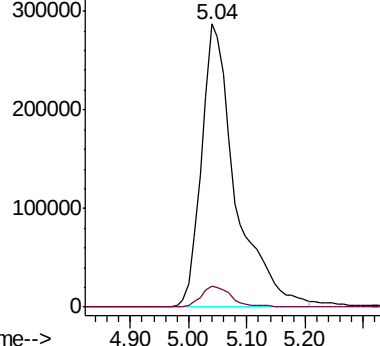
43 100

86 7.4 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.097 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

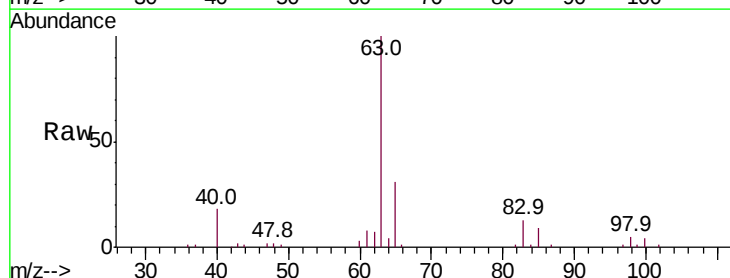
Tgt Ion: 63 Resp: 252073

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

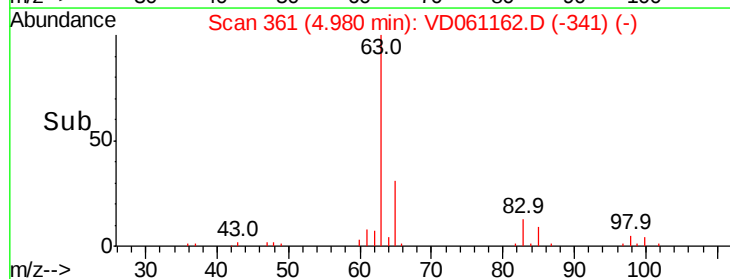
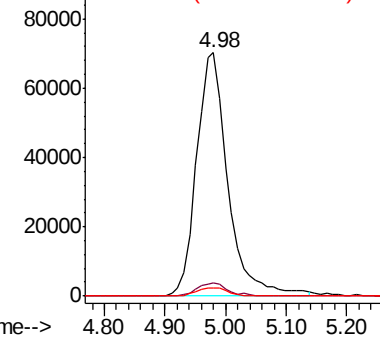
100 3.5 2.0 5.8

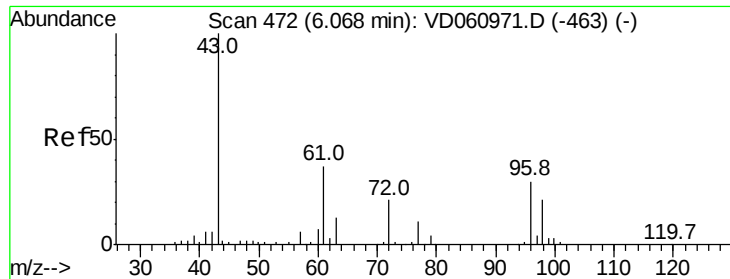


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.525 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

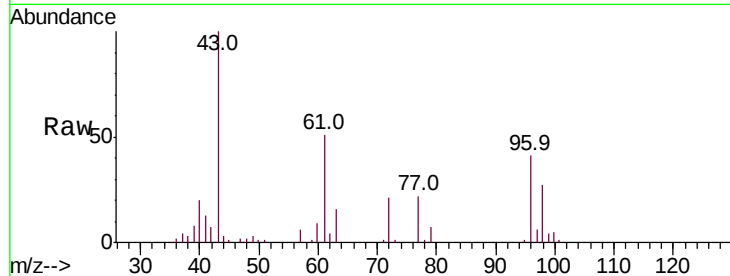
VD0318SBS02

Tot Ion: 43 Resp: 175122

Ion Ratio Lower Upper

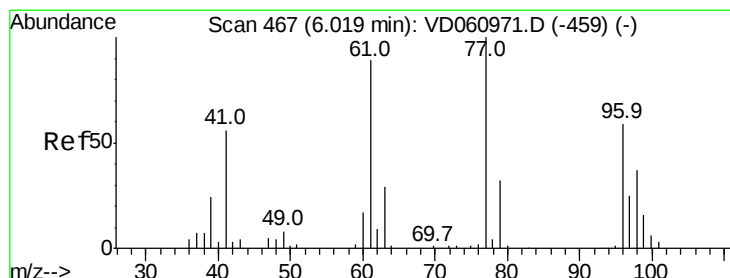
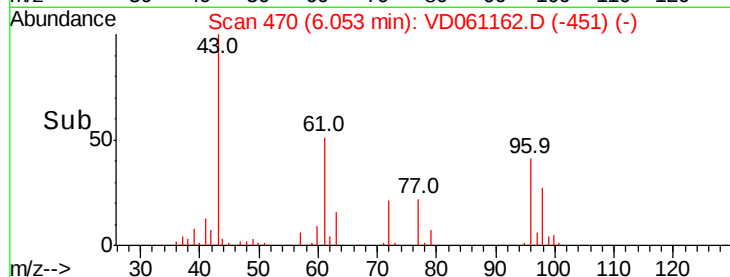
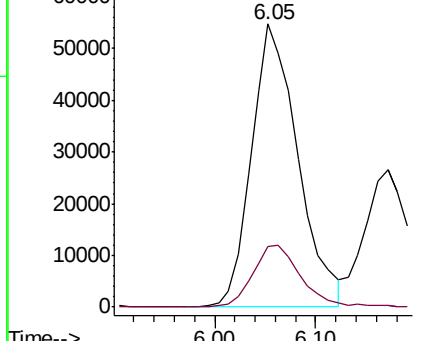
43 100

72 21.2 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.438 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD061162.D

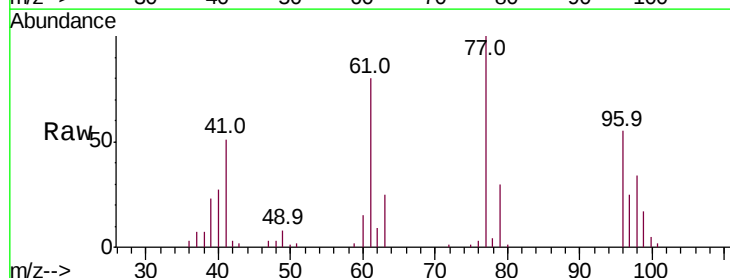
Acq: 19 Mar 2019 00:51

Tgt Ion: 77 Resp: 165608

Ion Ratio Lower Upper

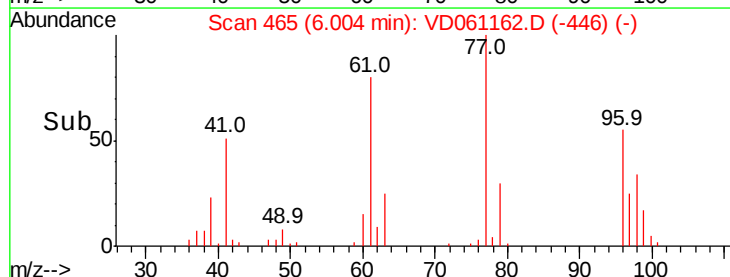
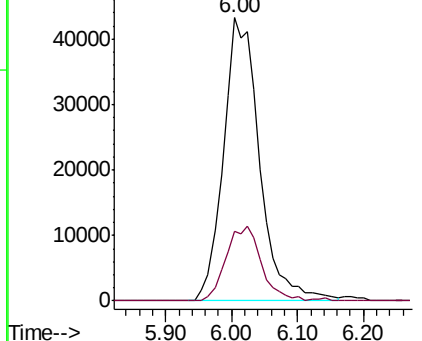
77 100

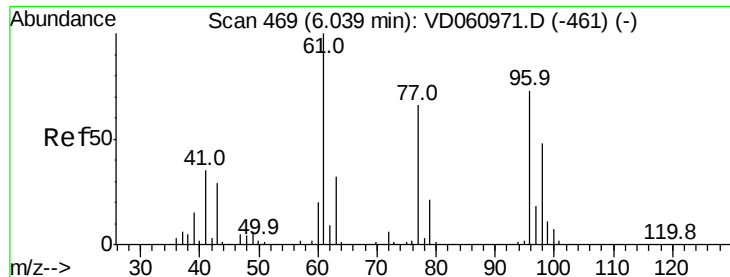
97 24.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



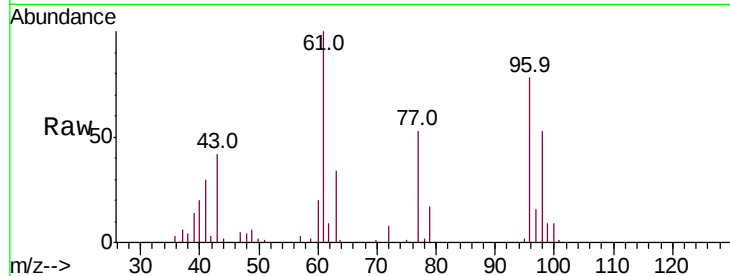


#27

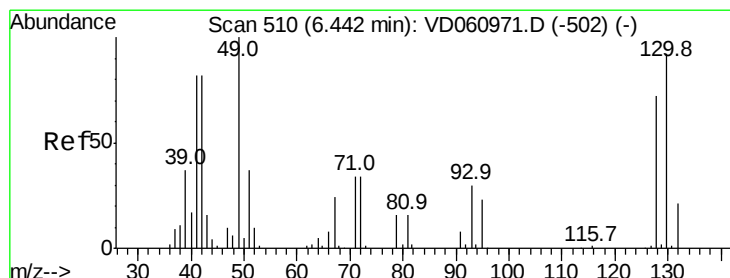
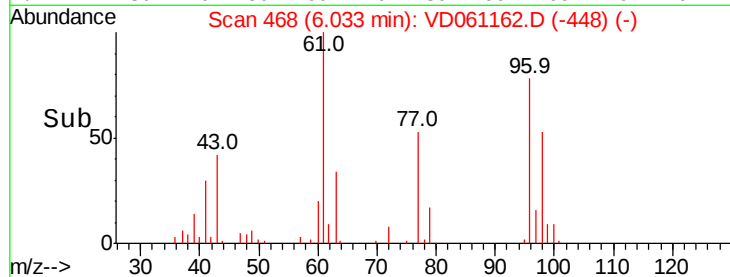
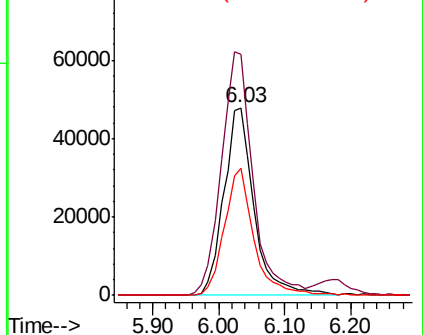
cis-1,2-Dichloroethene
 Concen: 22.253 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	273.6
98	67.7	0.0	132.6



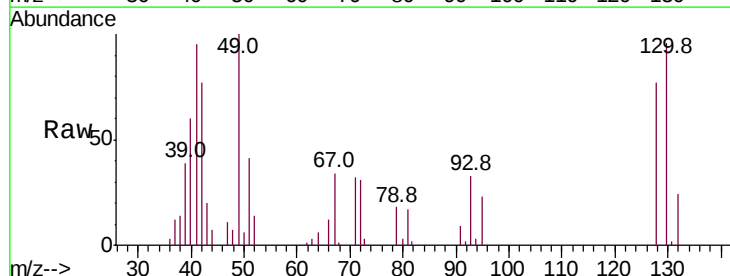
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



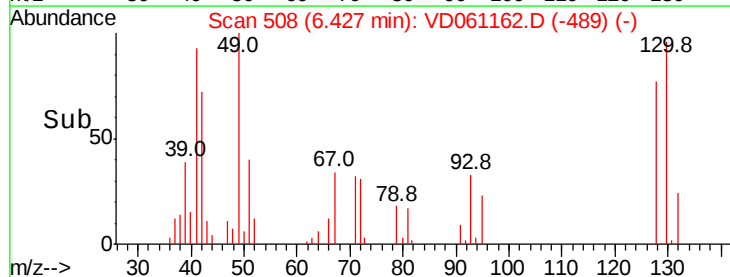
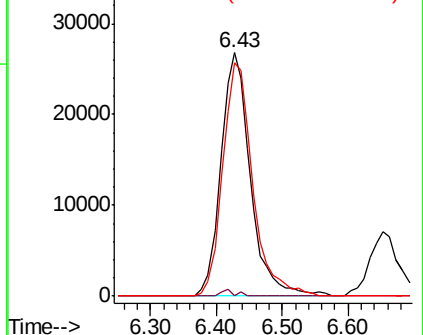
#28

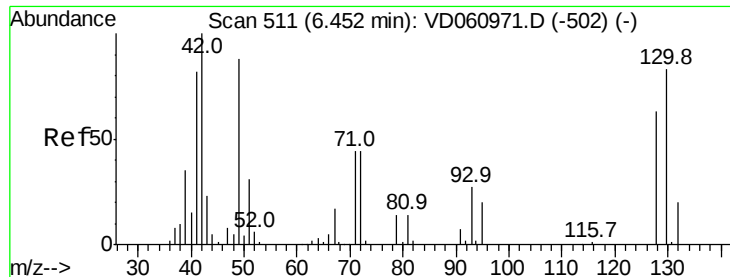
Bromochloromethane
 Concen: 18.118 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	96.0	73.8	110.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 110.341 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

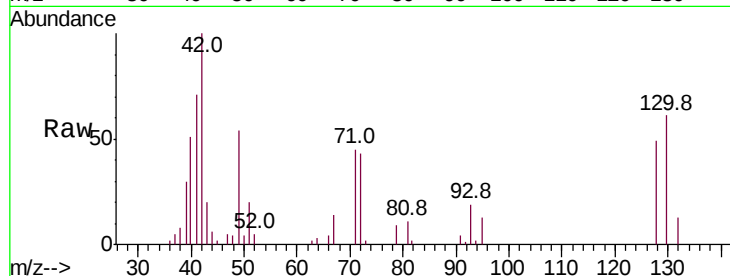
Tot Ion: 42 Resp: 96682

Ion Ratio Lower Upper

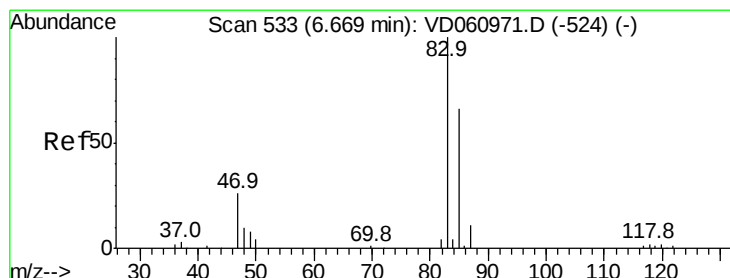
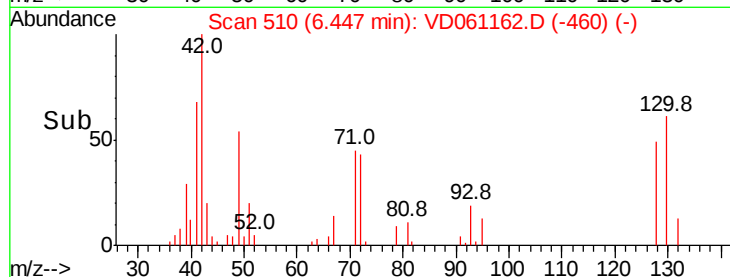
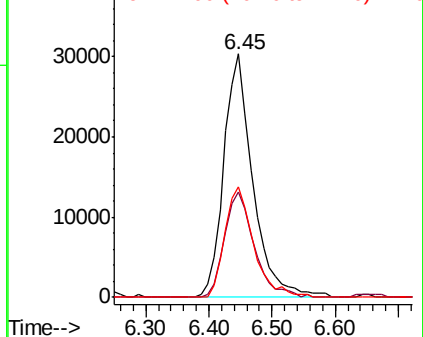
42 100

72 44.3 34.5 51.7

71 45.0 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.994 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD061162.D

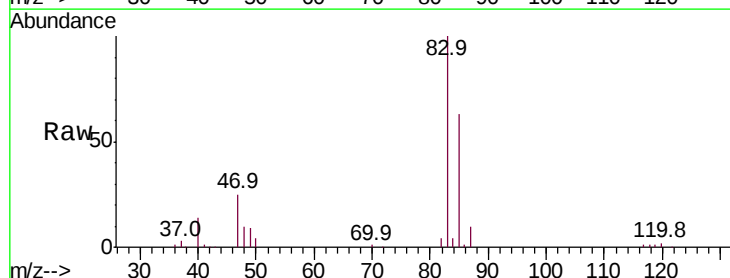
Acq: 19 Mar 2019 00:51

Tgt Ion: 83 Resp: 248770

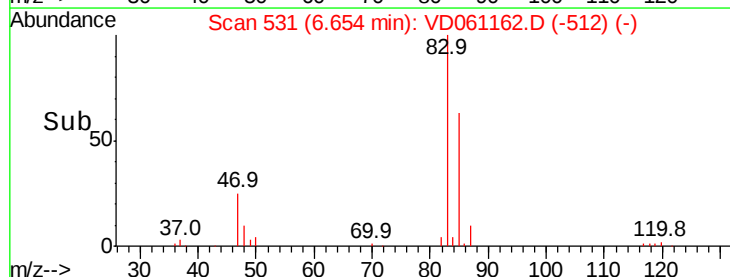
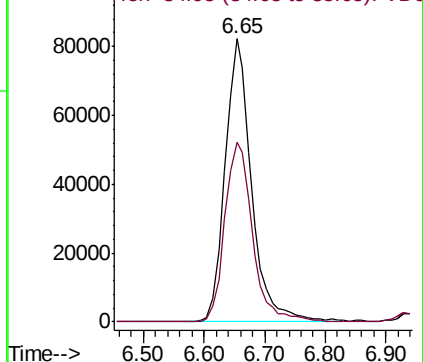
Ion Ratio Lower Upper

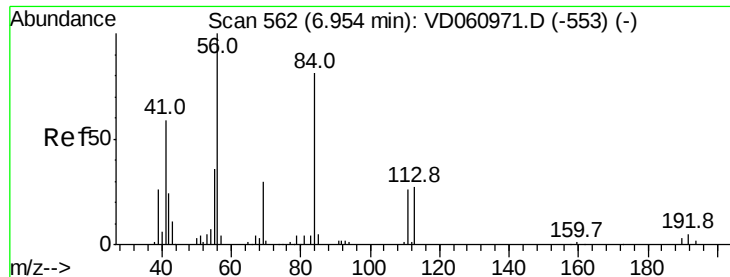
83 100

85 63.4 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

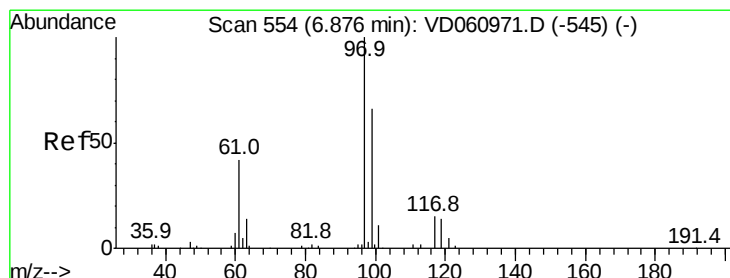
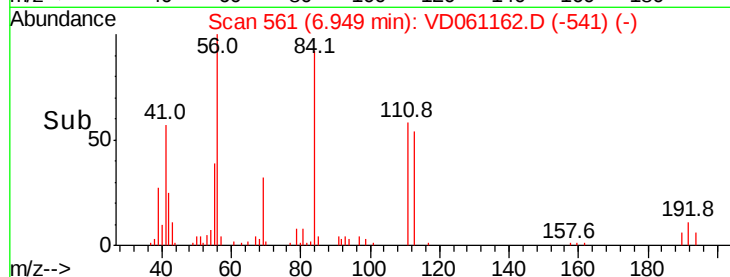
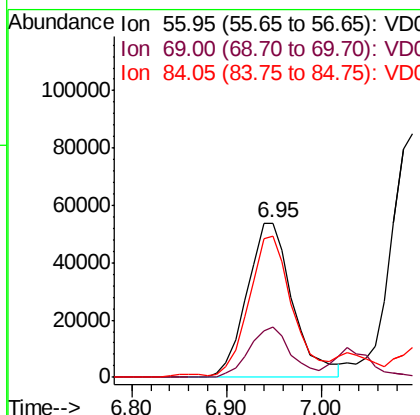
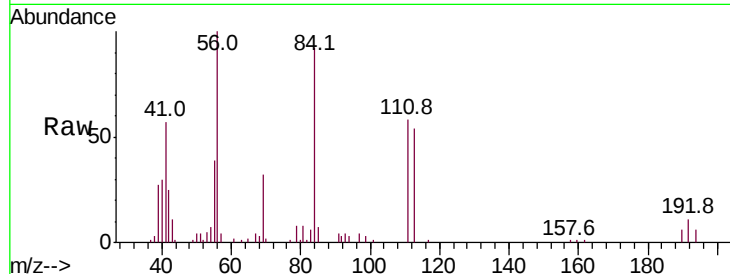




#31
Cyclohexane
Concen: 20.556 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

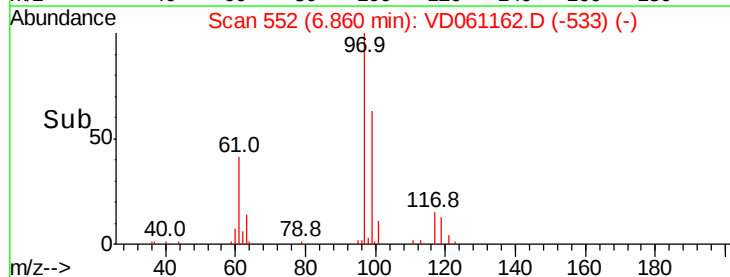
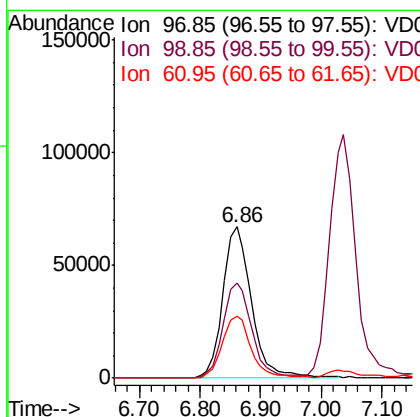
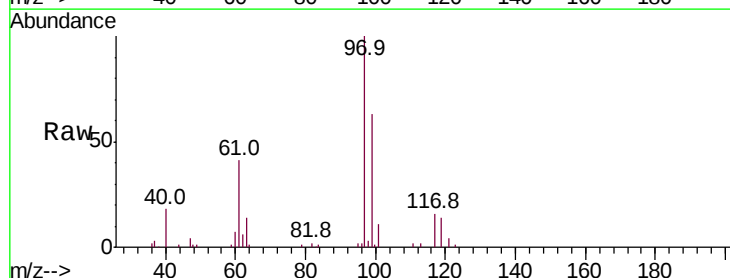
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

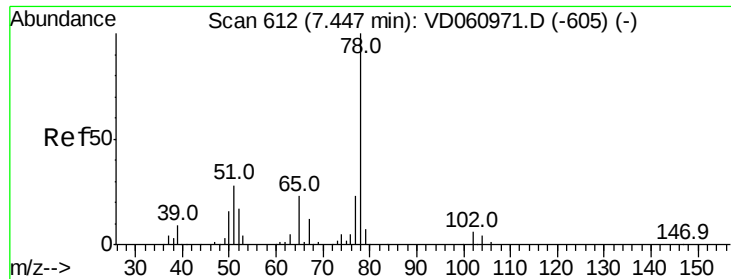
Tot Ion: 56 Resp: 180894
Ion Ratio Lower Upper
56 100
69 32.3 24.0 36.0
84 91.8 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 22.503 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 97 Resp: 220055
Ion Ratio Lower Upper
97 100
99 63.0 53.2 79.8
61 40.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 22.503 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

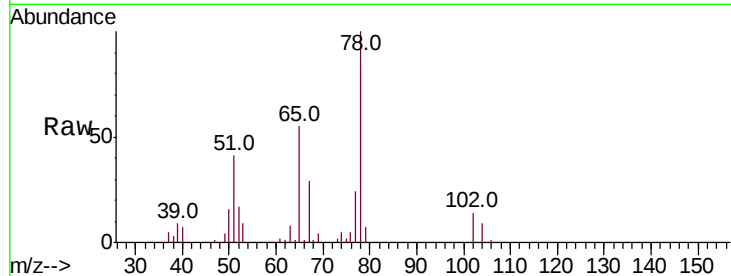
VD0318SBS02

Tot Ion: 65 Resp: 261475

Ion Ratio Lower Upper

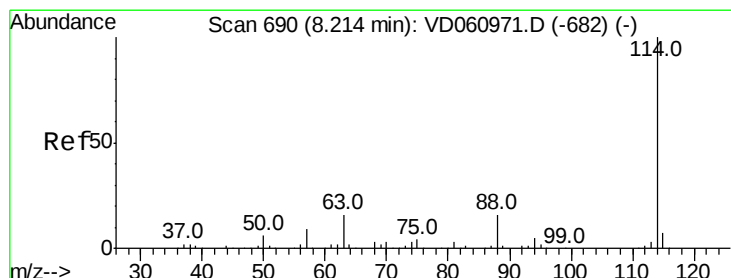
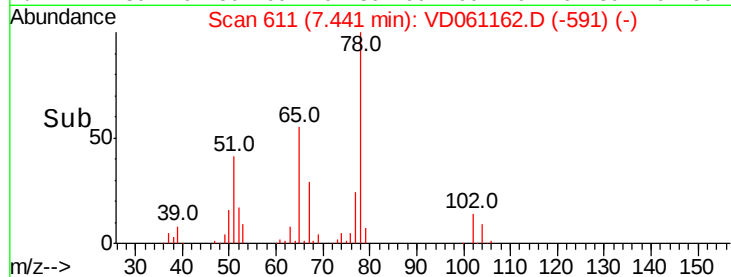
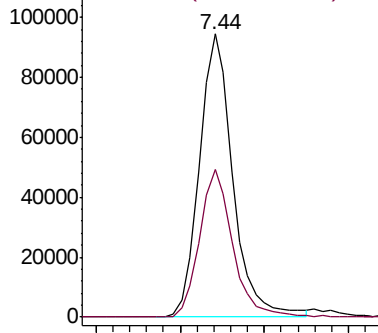
65 100

67 52.4 0.0 105.2



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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

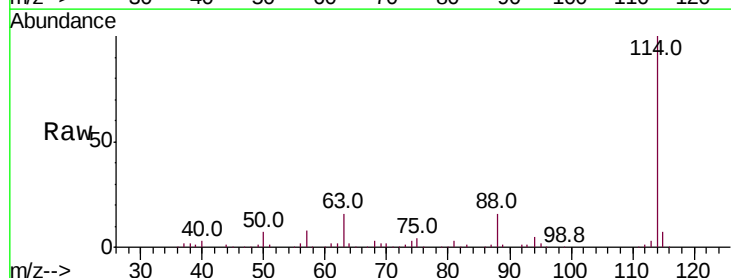
Tgt Ion: 114 Resp: 1089450

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

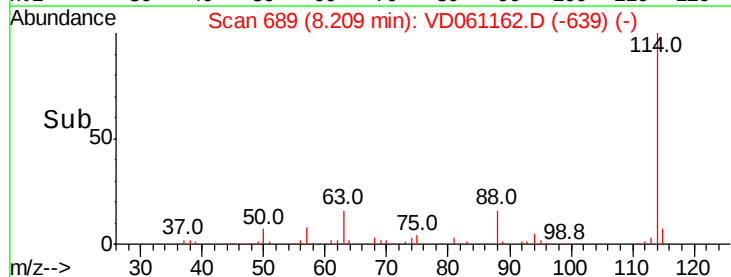
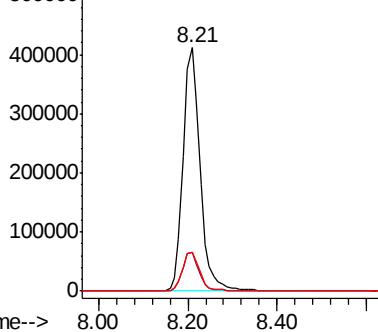
88 16.2 0.0 33.0

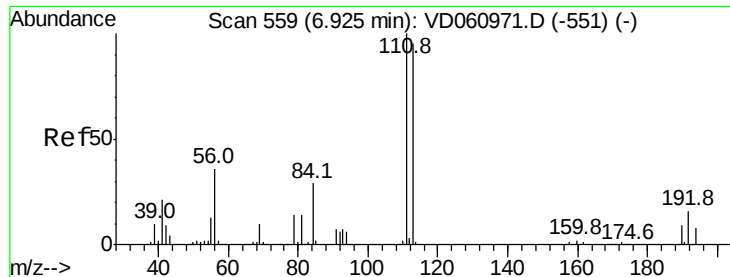


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

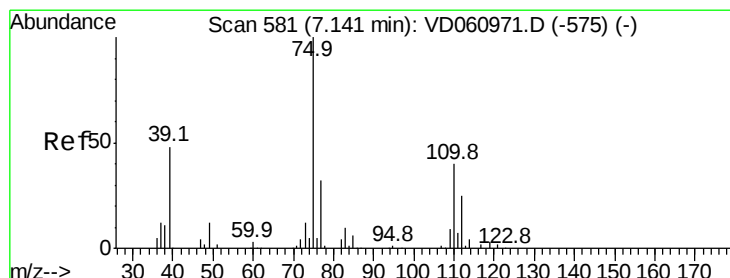
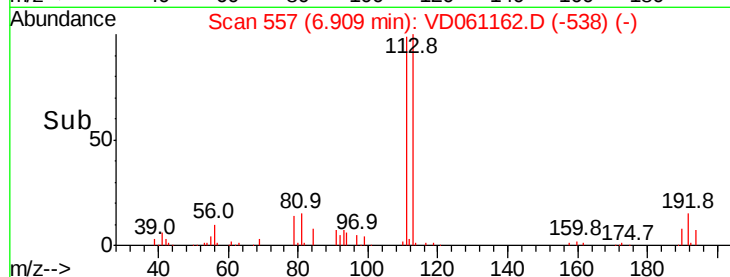
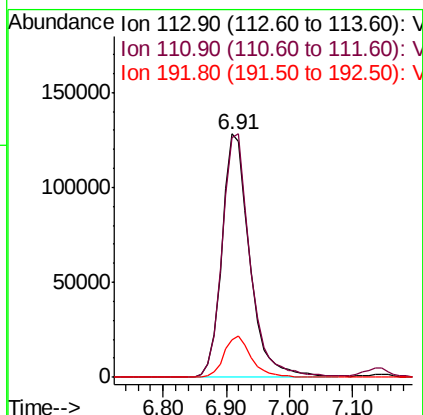
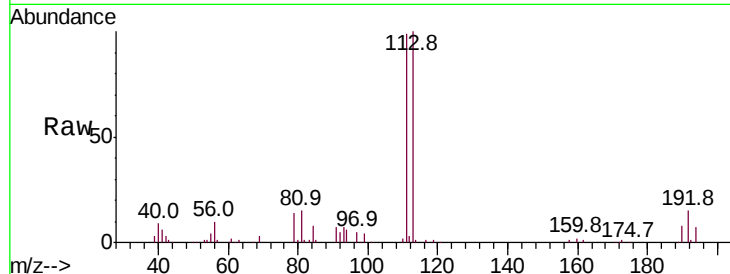




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

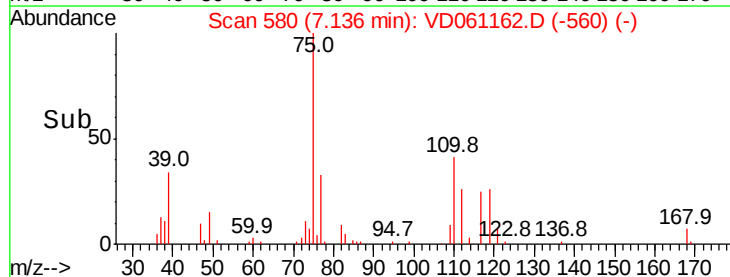
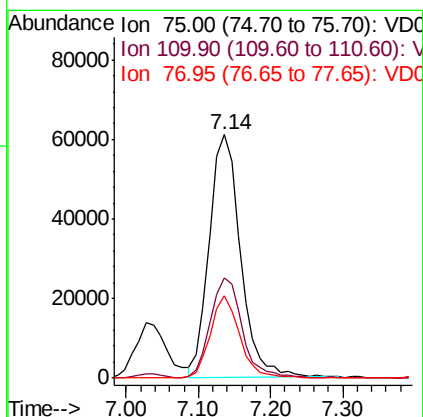
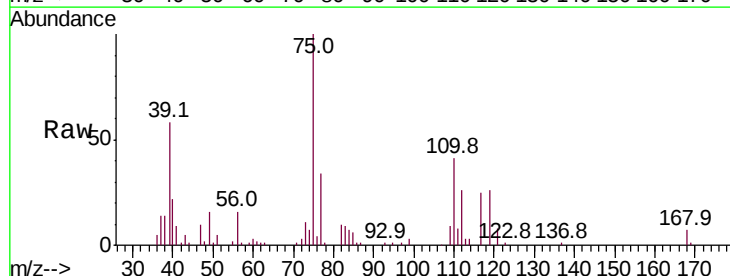
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

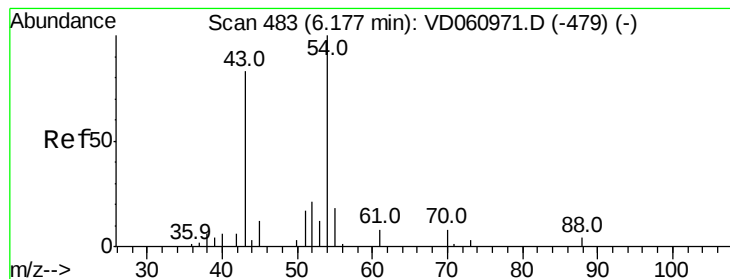
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.6	84.2	126.4
192	15.2	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 19.378 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.1	19.7	59.1
77	33.9	24.7	37.1





#37

Ethyl Acetate

Concen: 19.817 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

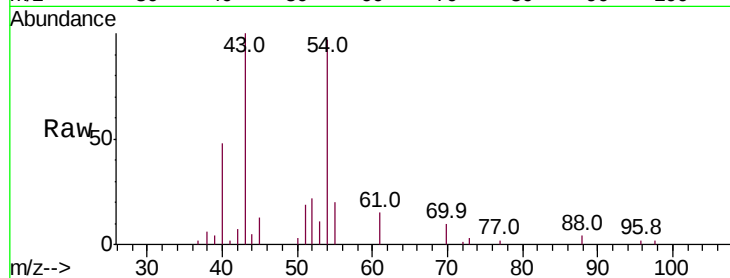
Tot Ion: 43 Resp: 87331

Ion Ratio Lower Upper

43 100

61 15.0 13.7 20.5

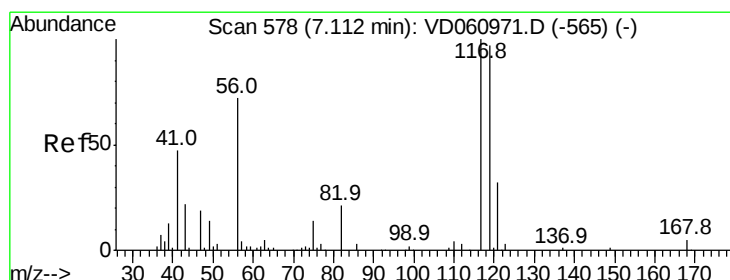
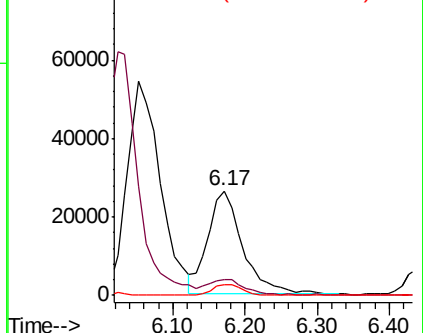
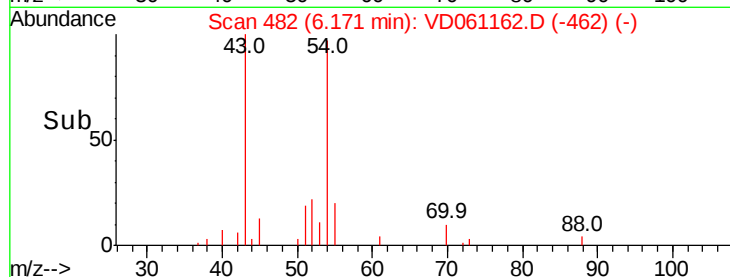
70 9.8 7.1 10.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.100 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

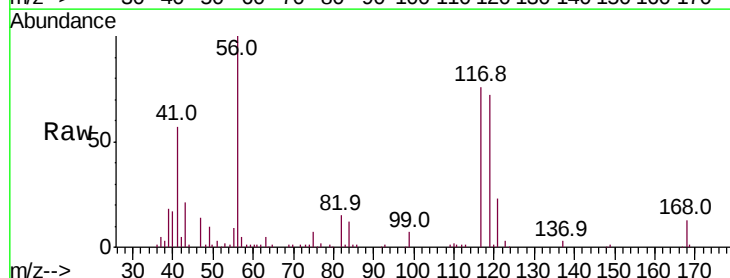
Tgt Ion: 117 Resp: 207919

Ion Ratio Lower Upper

117 100

119 95.3 77.8 116.8

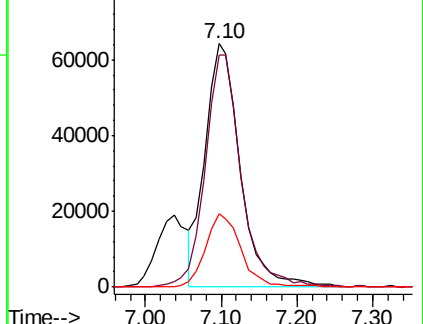
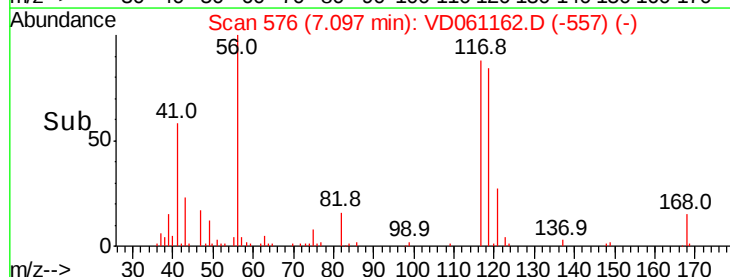
121 30.4 25.3 37.9

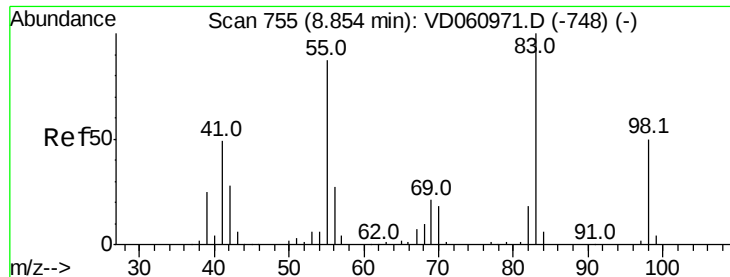


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

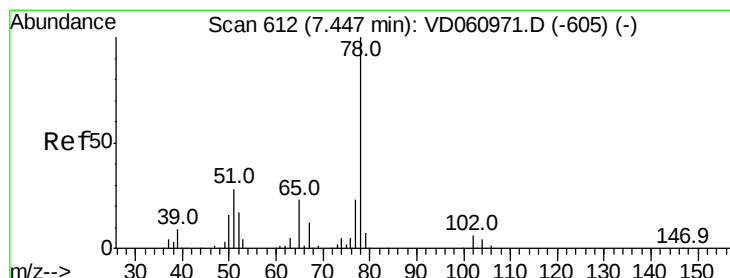
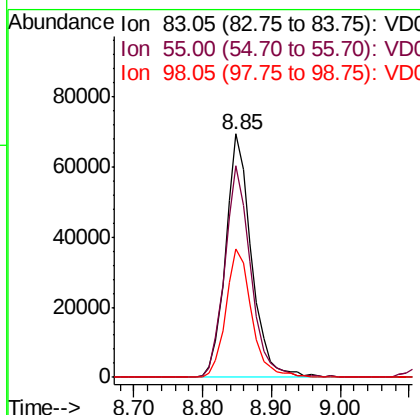
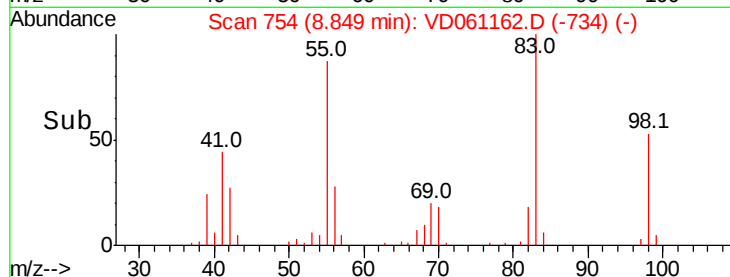
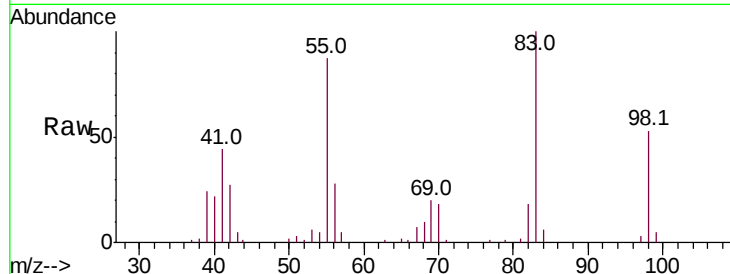




#39
Methvlcvclohexane
Concen: 18.492 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

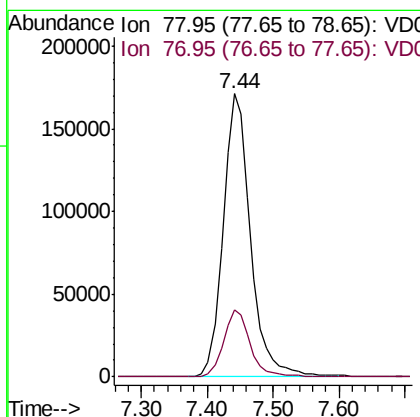
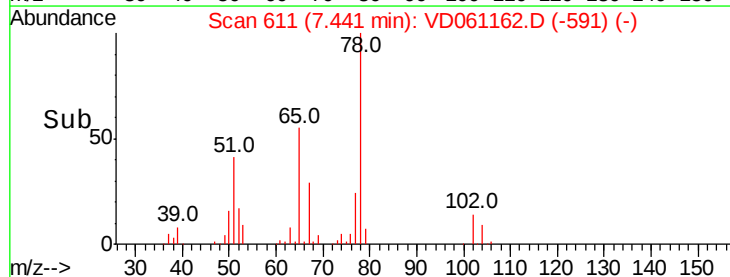
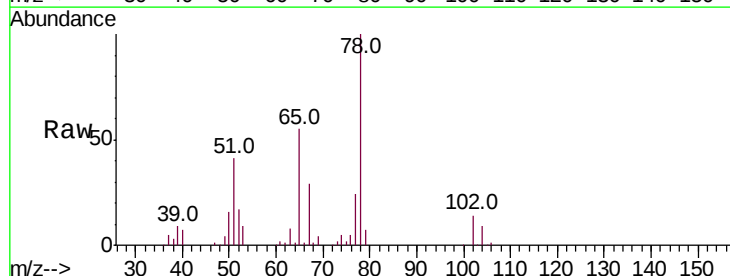
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

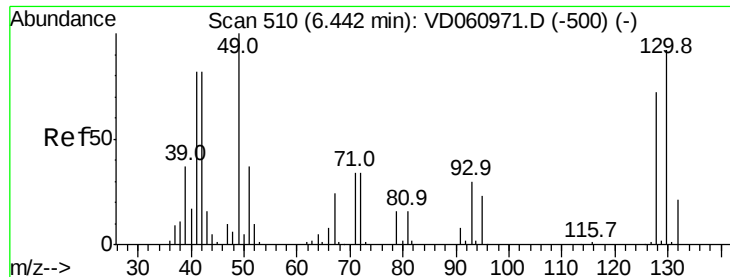
Tot Ion: 83 Resp: 180067
Ion Ratio Lower Upper
83 100
55 87.2 69.6 104.4
98 52.6 40.0 60.0



#40
Benzene
Concen: 21.076 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 78 Resp: 494563
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 20.169 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

Tot Ion: 41 Resp: 102231

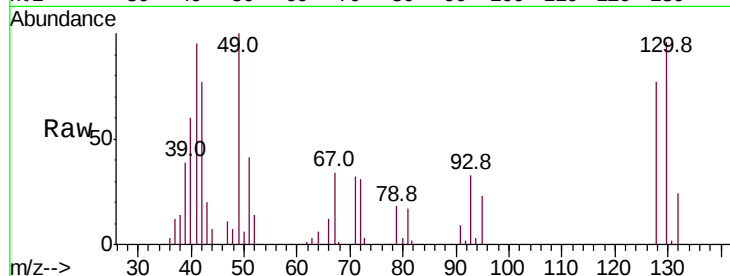
Ion Ratio Lower Upper

41 100

39 40.9 35.7 53.5

67 35.9 23.0 34.6#

52 15.3 9.2 13.8#

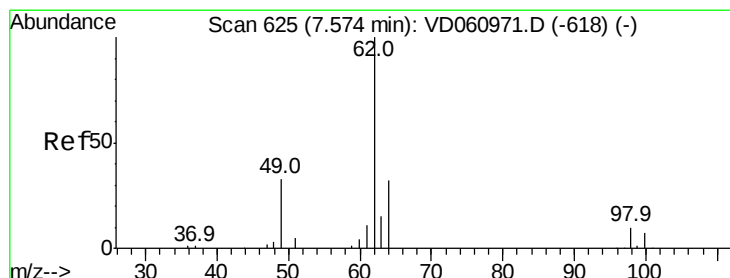
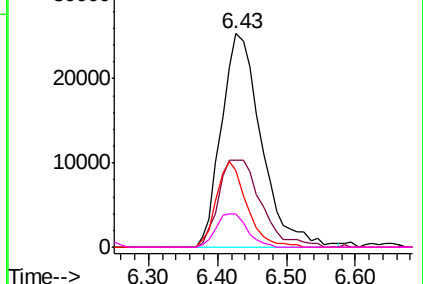
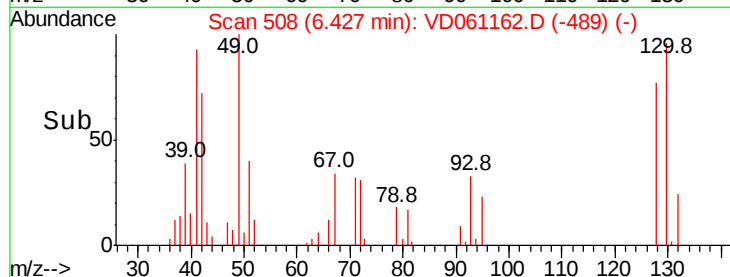


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.624 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.02 min

Lab File: VD061162.D

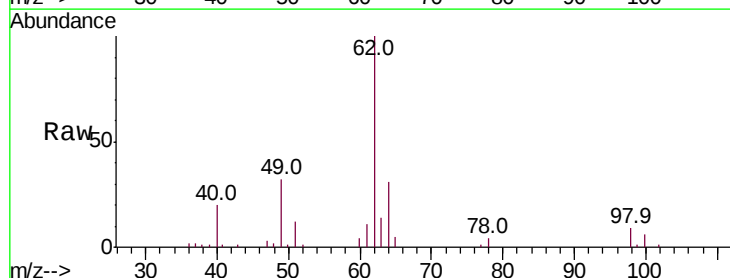
Acq: 19 Mar 2019 00:51

Tgt Ion: 62 Resp: 147252

Ion Ratio Lower Upper

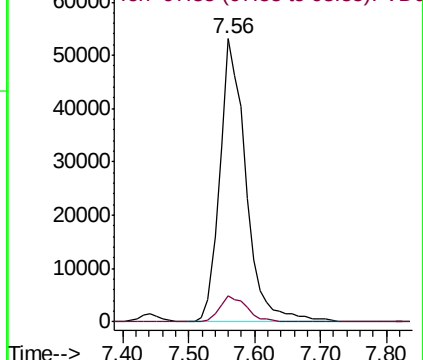
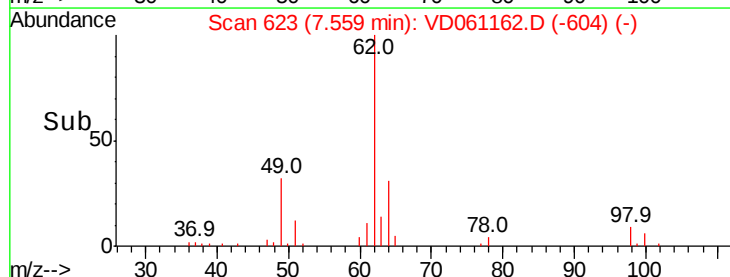
62 100

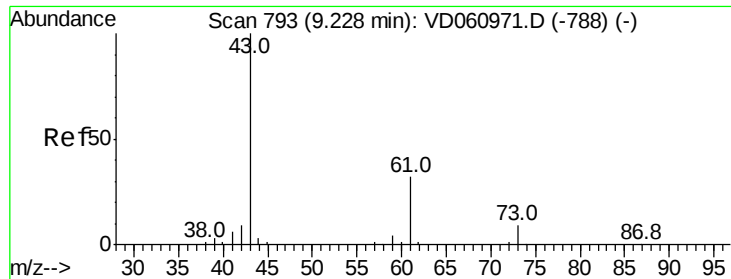
98 9.4 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.709 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

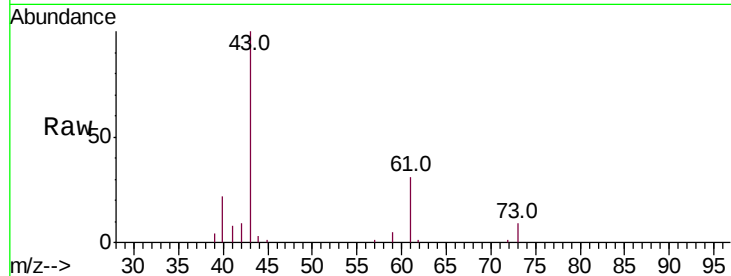
Tot Ion: 43 Resp: 120296

Ion Ratio Lower Upper

43 100

61 31.3 25.6 38.4

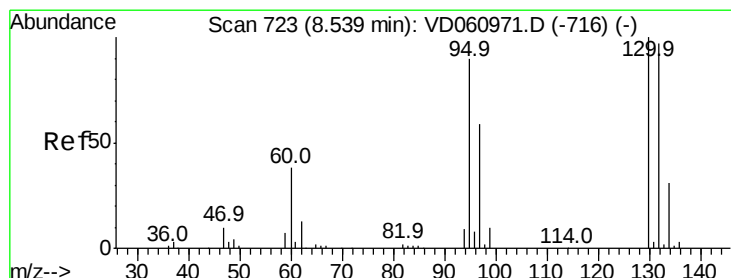
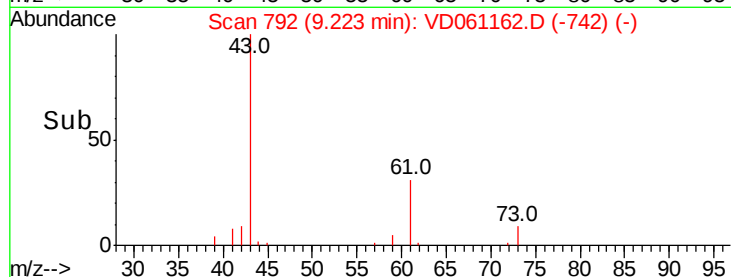
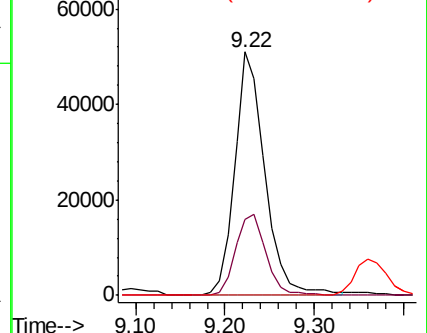
87 0.0 0.2 0.4#



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: 20.772 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD061162.D

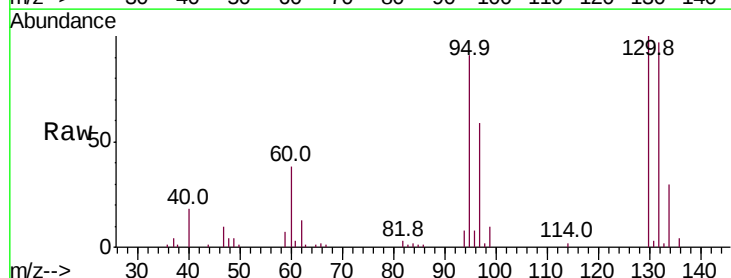
Acq: 19 Mar 2019 00:51

Tgt Ion:130 Resp: 168157

Ion Ratio Lower Upper

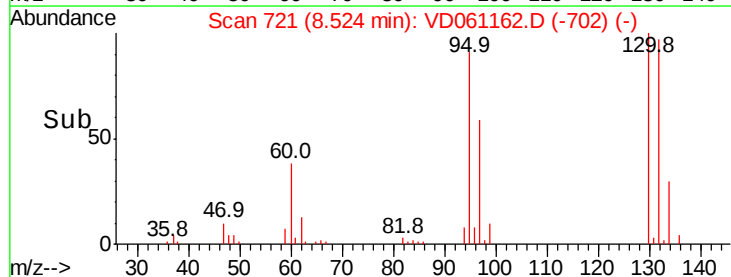
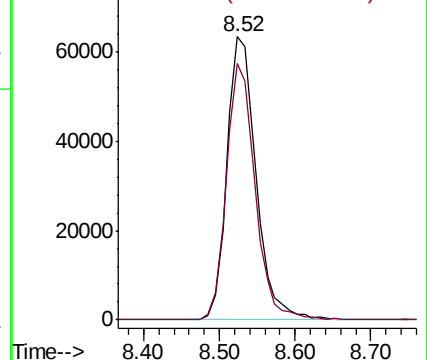
130 100

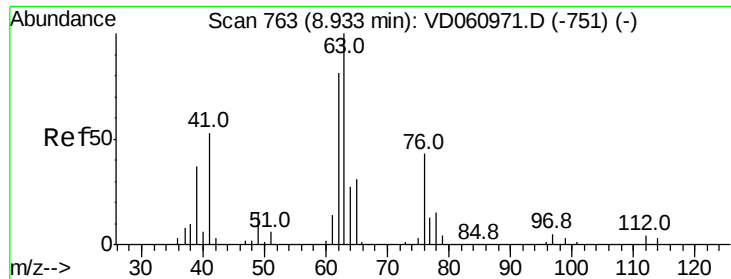
95 90.6 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.565 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

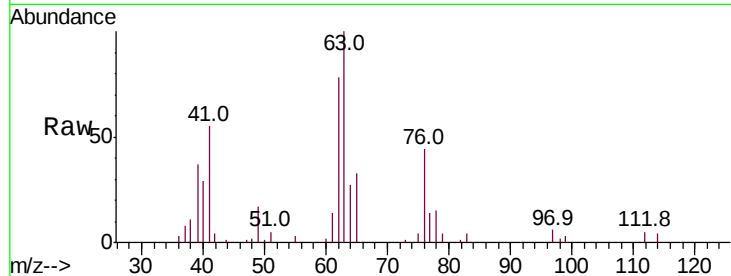
VD0318SBS02

Tot Ion: 63 Resp: 114452

Ion Ratio Lower Upper

63 100

65 32.7 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

50000

40000

30000

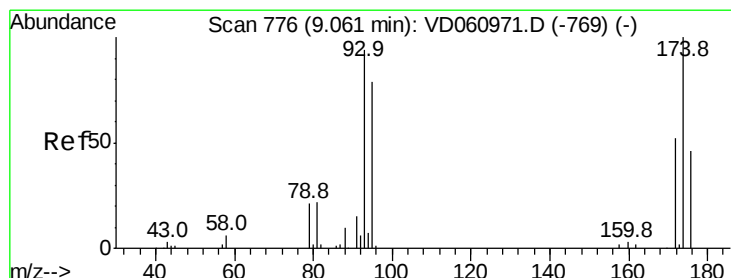
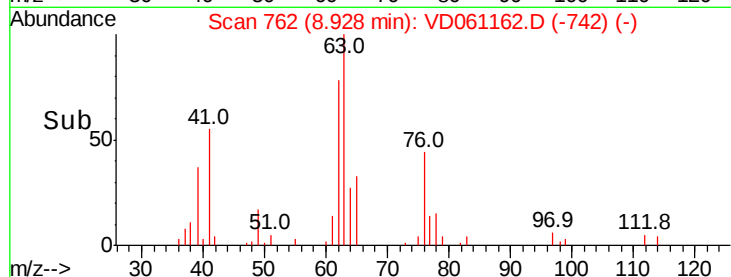
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 21.578 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

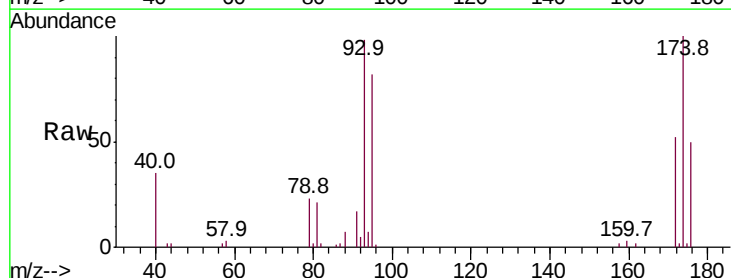
Tgt Ion: 93 Resp: 84382

Ion Ratio Lower Upper

93 100

95 83.2 67.4 101.0

174 101.8 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

50000

40000

30000

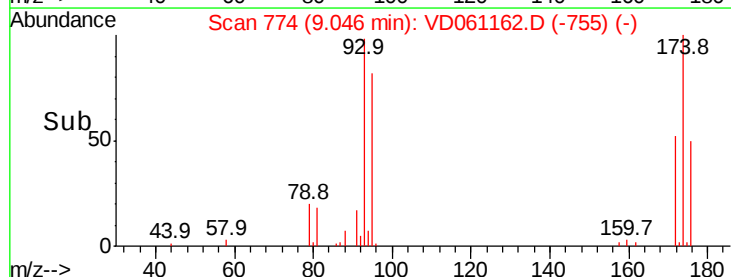
20000

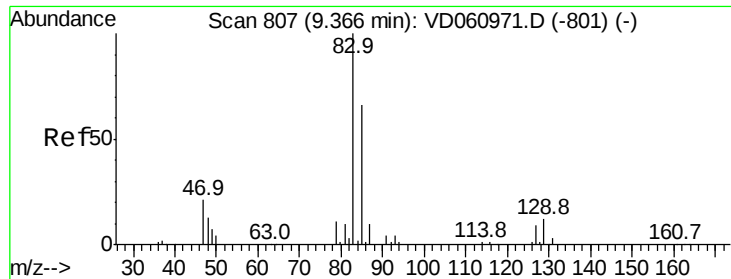
10000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 21.316 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

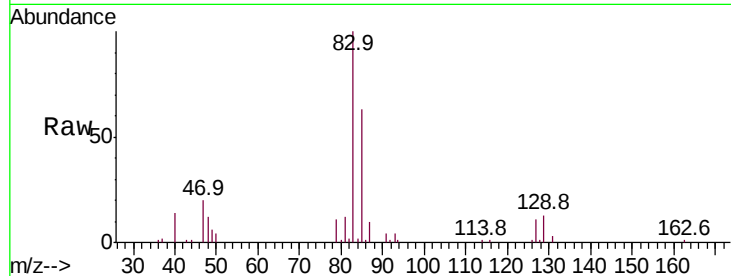
Tot Ion: 83 Resp: 188101

Ion Ratio Lower Upper

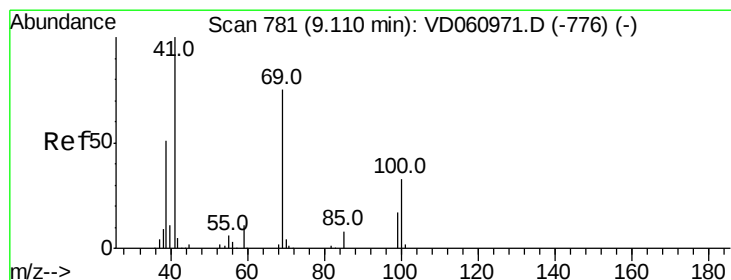
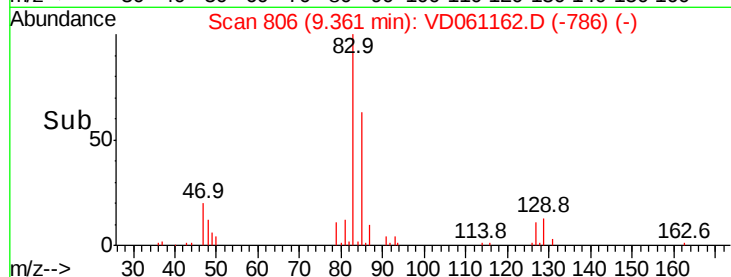
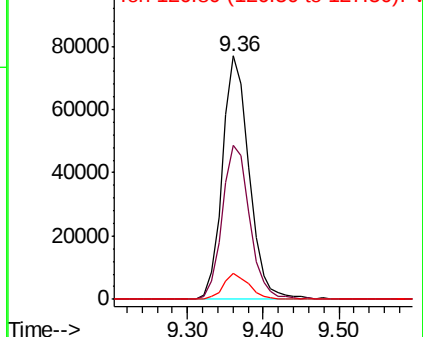
83 100

85 63.5 52.5 78.7

127 10.7 7.5 11.3



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



#48

Methyl methacrylate

Concen: 21.153 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

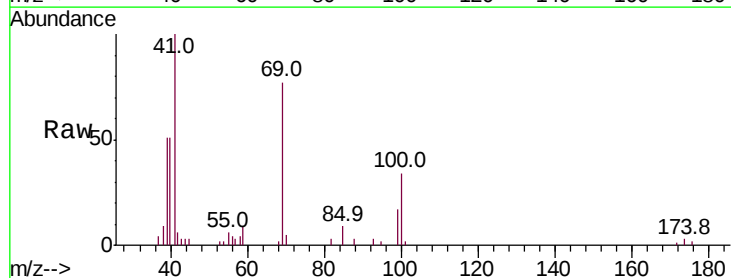
Tgt Ion: 41 Resp: 72694

Ion Ratio Lower Upper

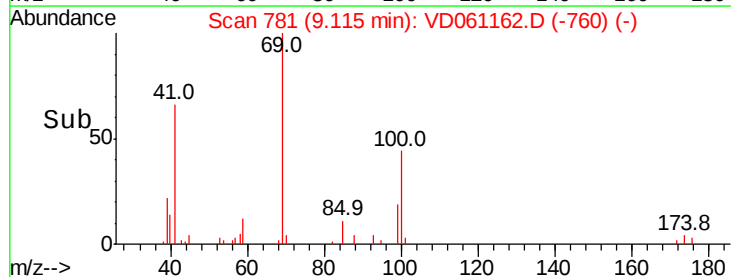
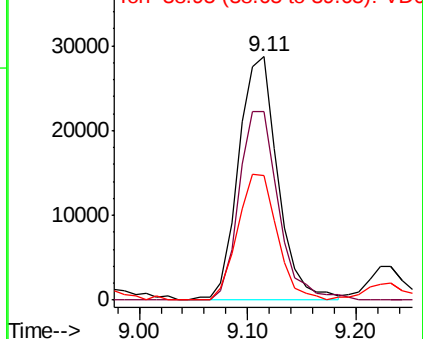
41 100

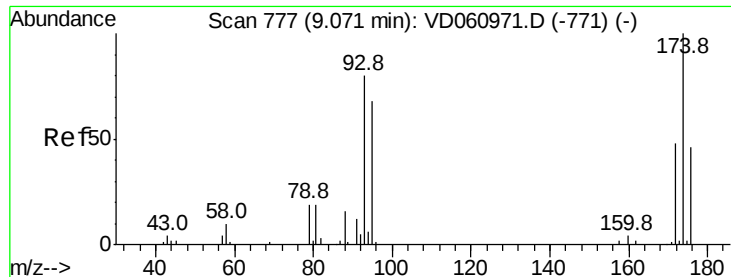
69 77.5 59.9 89.9

39 51.4 40.9 61.3



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

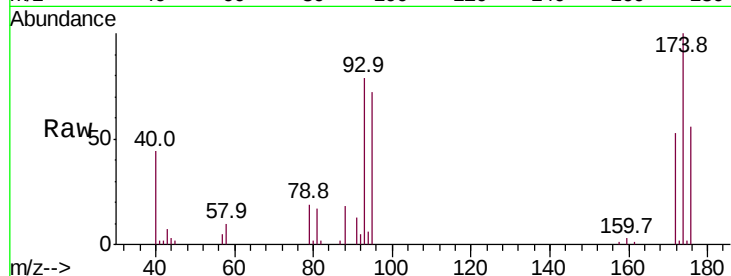




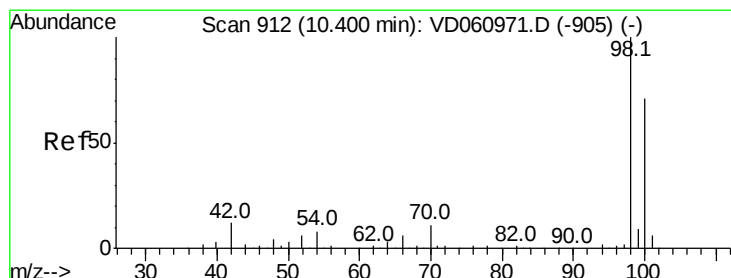
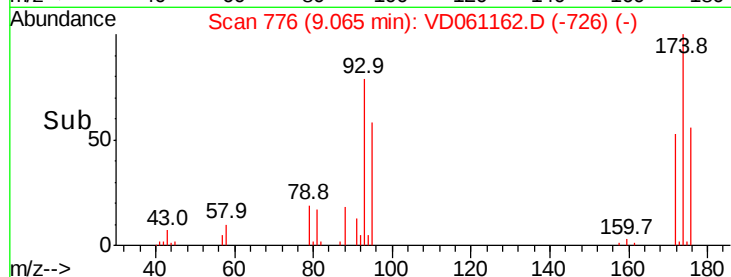
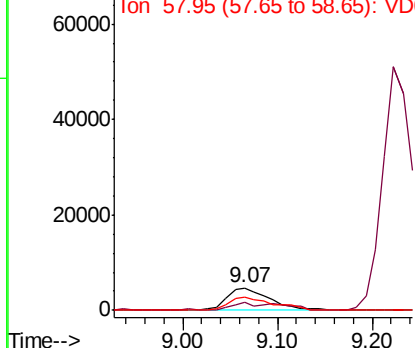
#49
1,4-Dioxane
Concen: 421.126 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Tot Ion: 88 Resp: 14634
Ion Ratio Lower Upper
88 100
43 36.6 21.0 31.6#
58 58.0 48.6 72.8

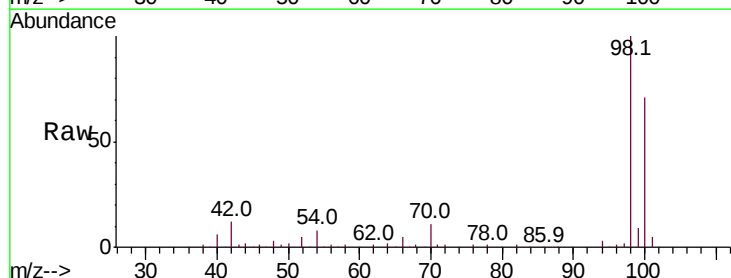


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

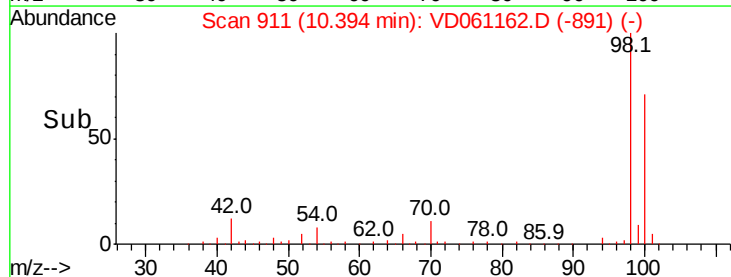
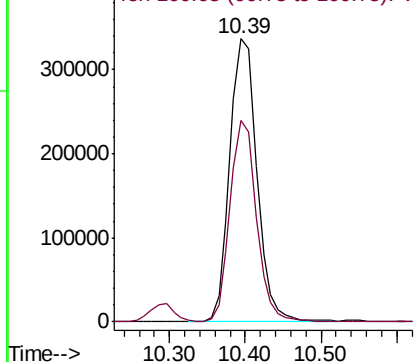


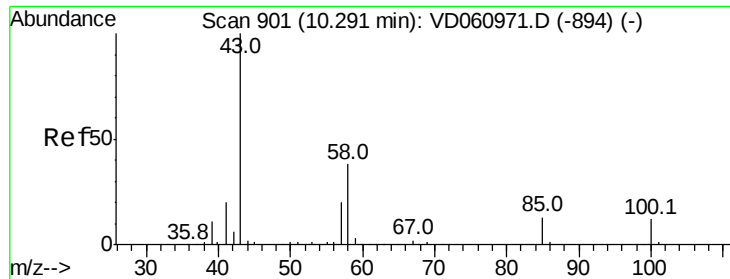
#50
Toluene-d8
Concen: 421.126 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 98 Resp: 836303
Ion Ratio Lower Upper
98 100
100 71.3 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 109.018 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

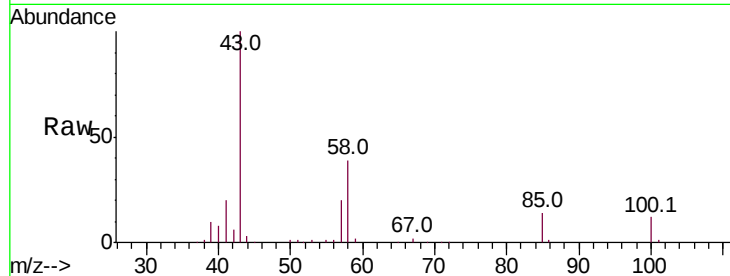
VD0318SBS02

Tot Ion: 43 Resp: 407643

Ion Ratio Lower Upper

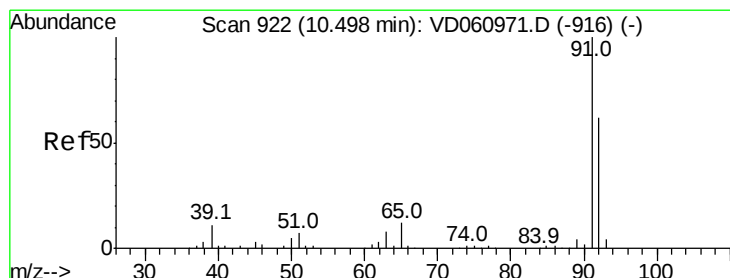
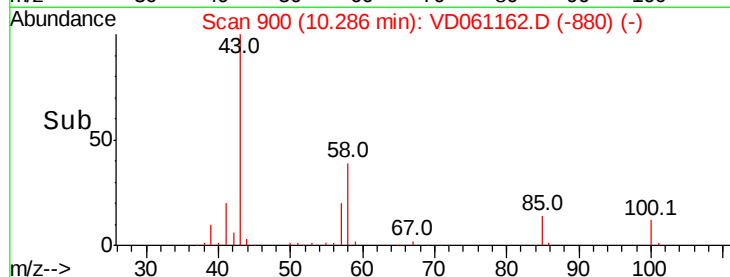
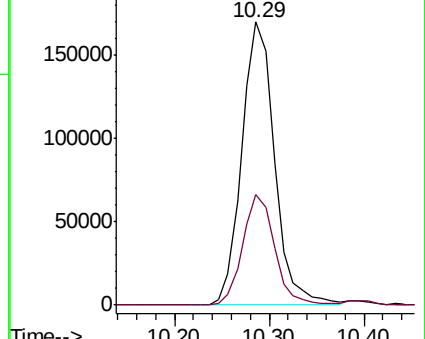
43 100

58 39.2 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.901 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD061162.D

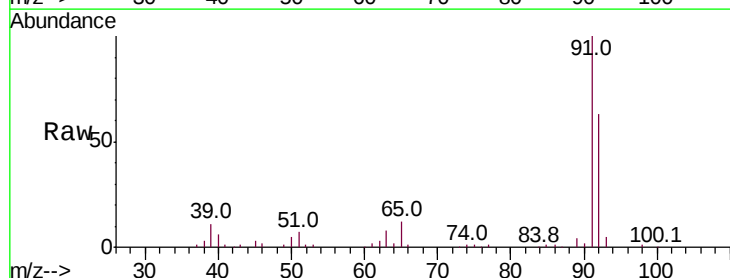
Acq: 19 Mar 2019 00:51

Tgt Ion: 92 Resp: 304984

Ion Ratio Lower Upper

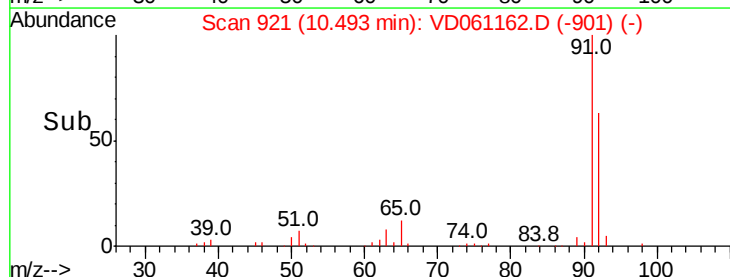
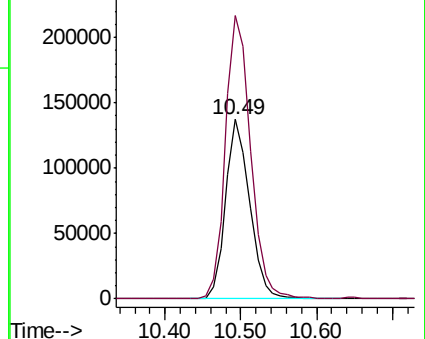
92 100

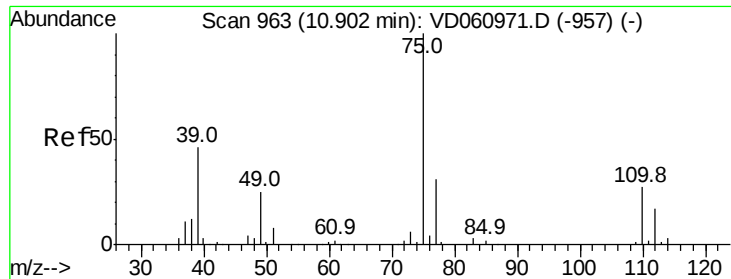
91 157.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

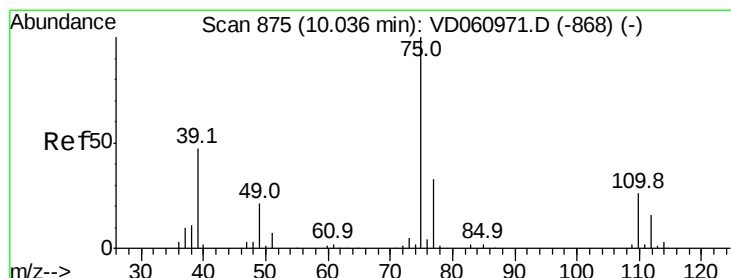
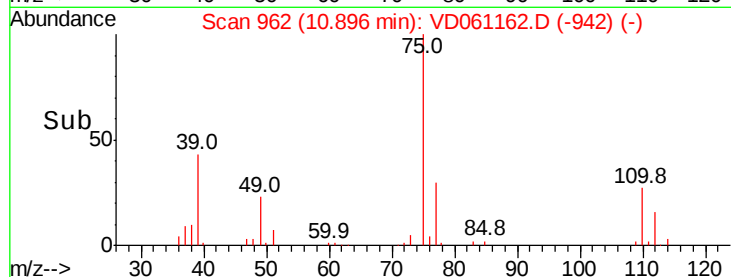
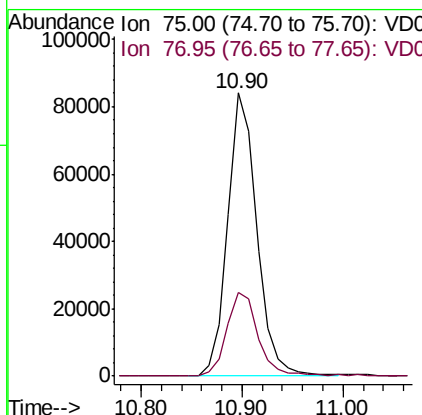
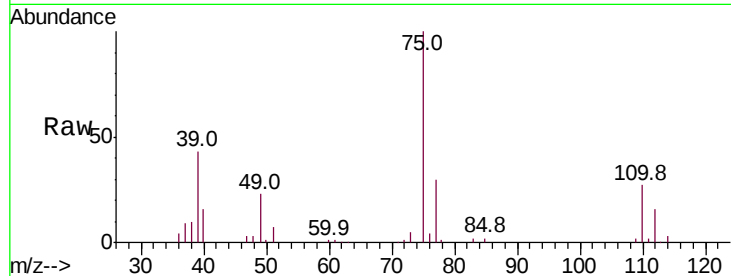




#53
 t-1,3-Dichloropropene
 Concen: 20.878 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

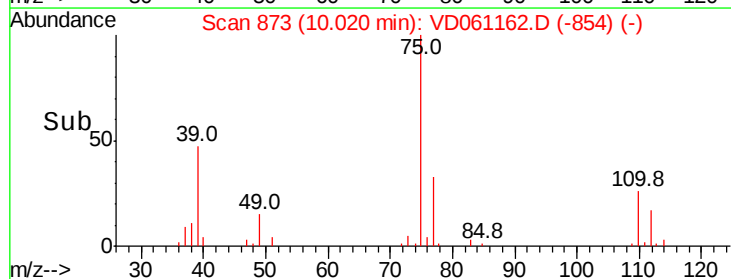
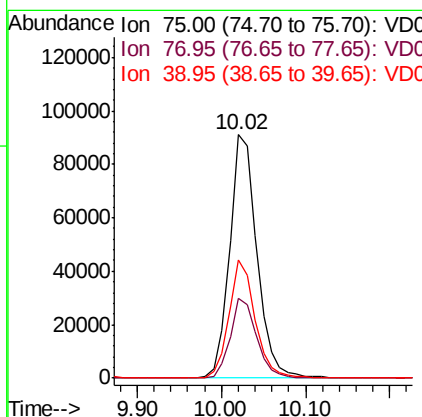
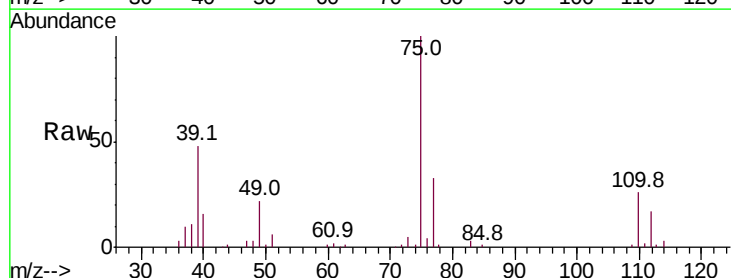
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

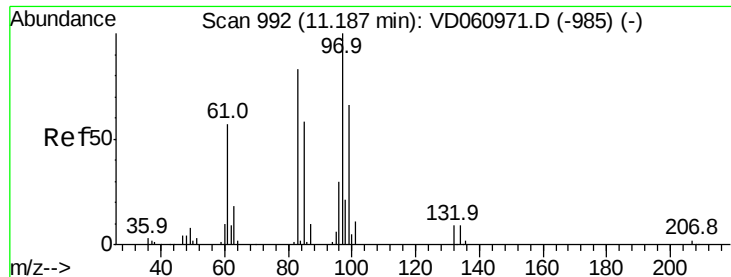
Tot Ion: 75 Resp: 168465
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.123 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Tgt Ion: 75 Resp: 204788
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.4
 39 48.4 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 22.864 ug/l

RT: 11.17 min Scan# 990

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

Tot Ion: 97 Resp: 111103

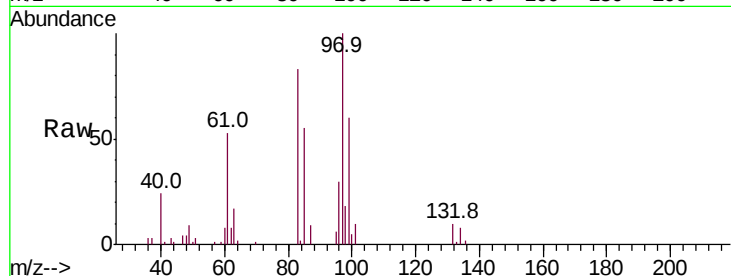
Ion Ratio Lower Upper

97 100

83 82.9 66.6 100.0

85 55.5 46.4 69.6

99 60.2 52.4 78.6

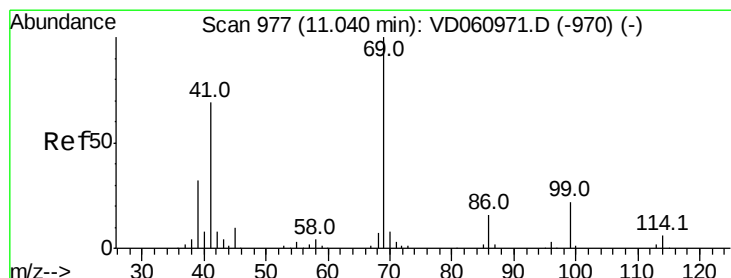
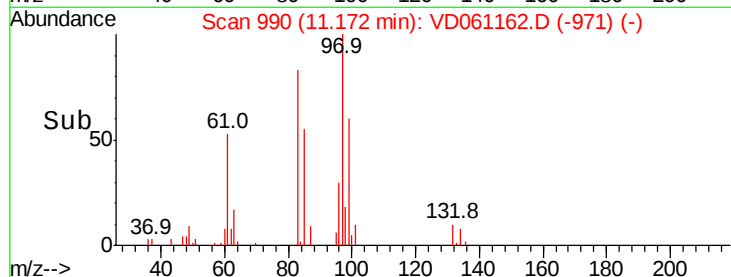
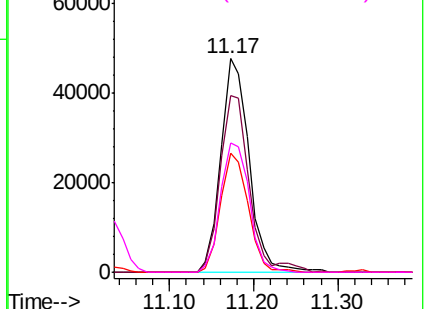


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.773 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

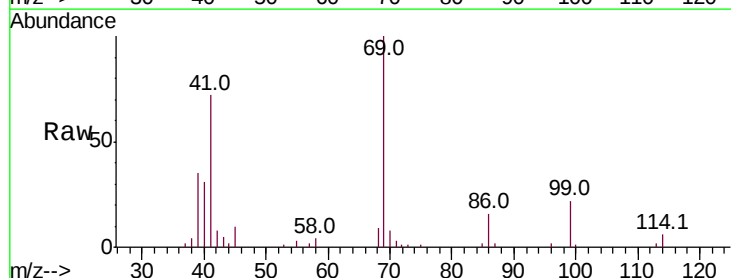
Tgt Ion: 69 Resp: 115830

Ion Ratio Lower Upper

69 100

41 72.0 55.5 83.3

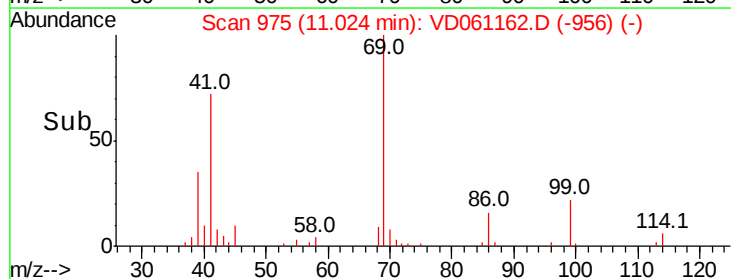
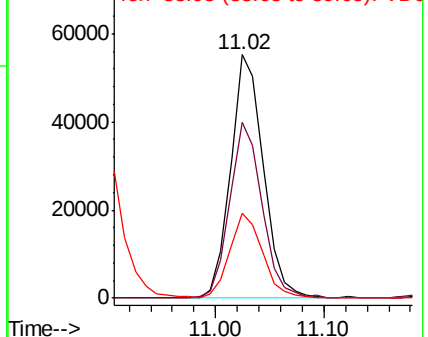
39 34.6 26.2 39.2

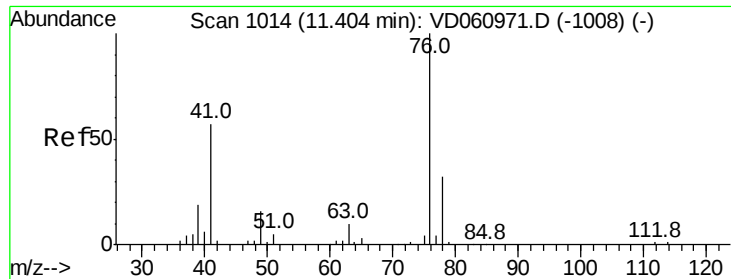


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.686 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

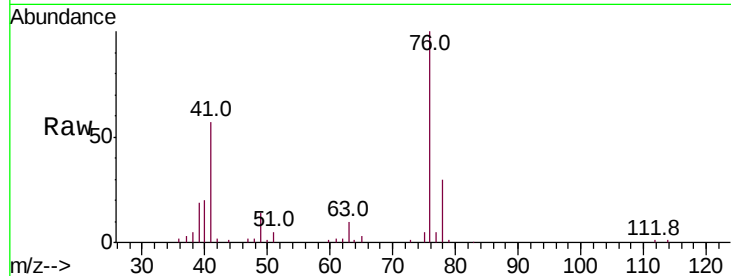
VD0318SBS02

Tot Ion: 76 Resp: 172006

Ion Ratio Lower Upper

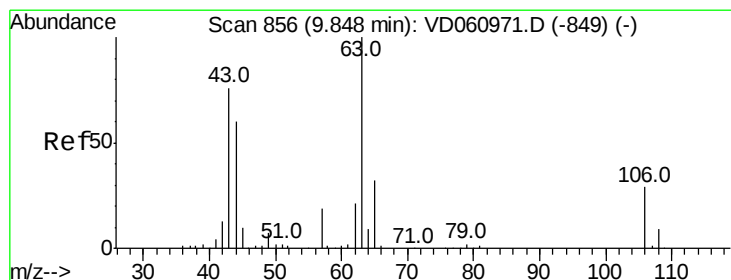
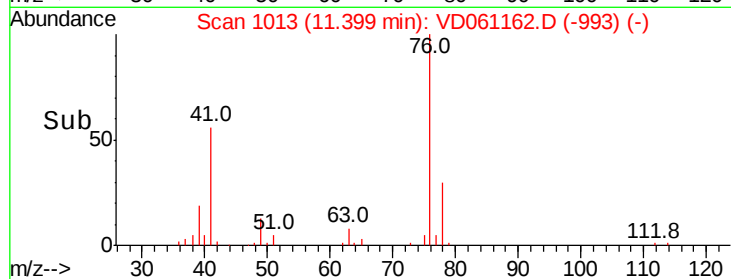
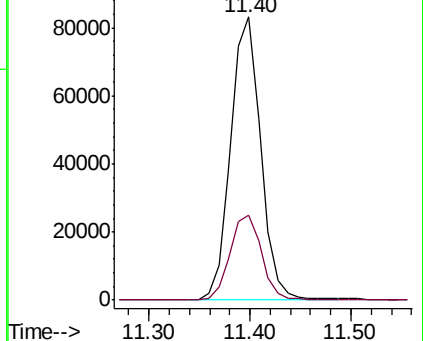
76 100

78 30.1 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.387 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD061162.D

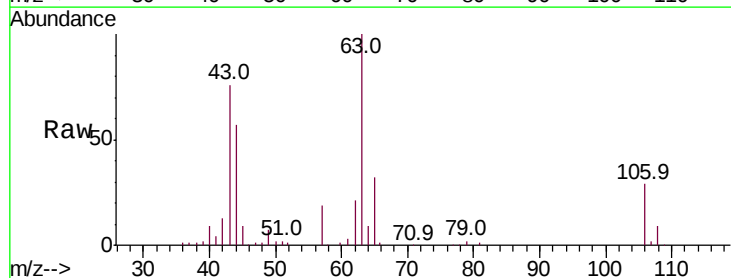
Acq: 19 Mar 2019 00:51

Tgt Ion: 63 Resp: 275658

Ion Ratio Lower Upper

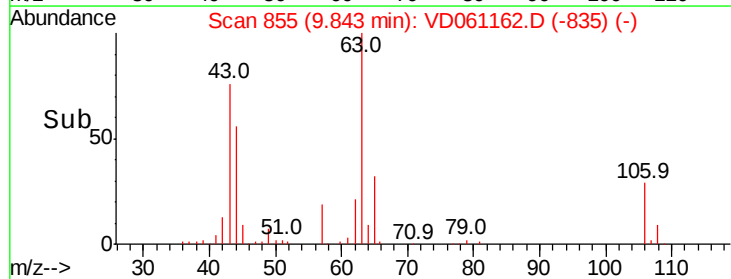
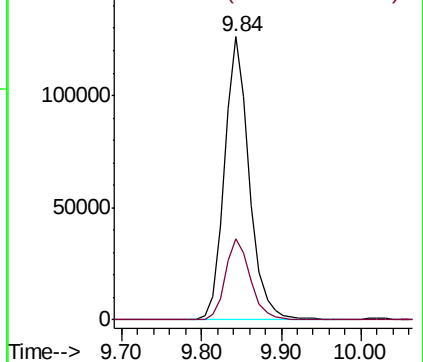
63 100

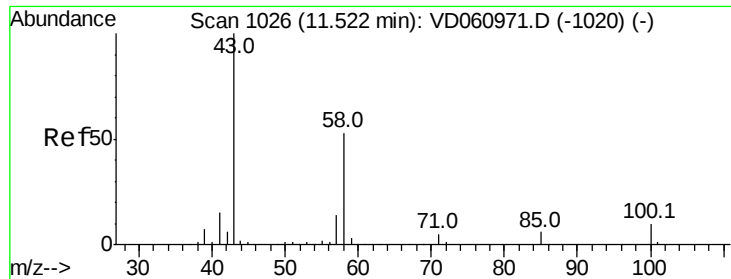
106 28.8 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

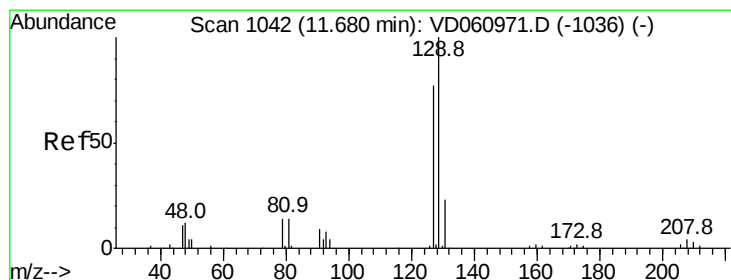
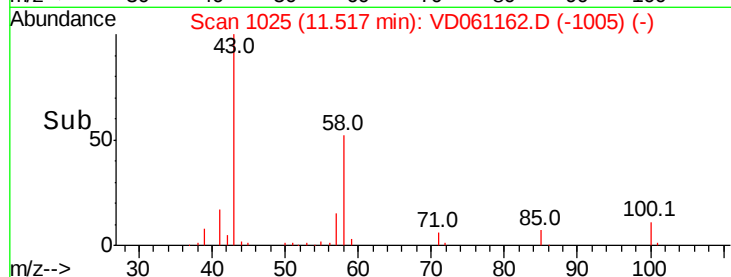
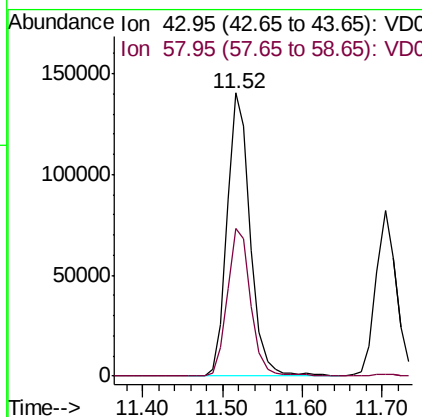
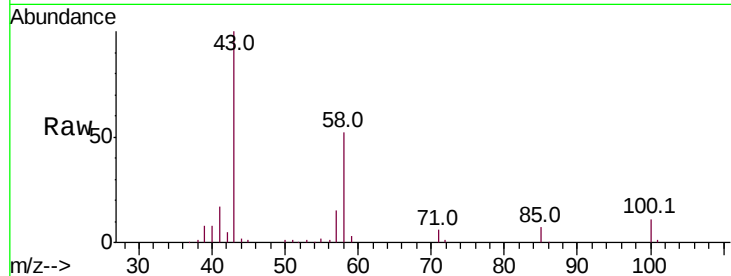




#59
2-Hexanone
Concen: 104.331 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

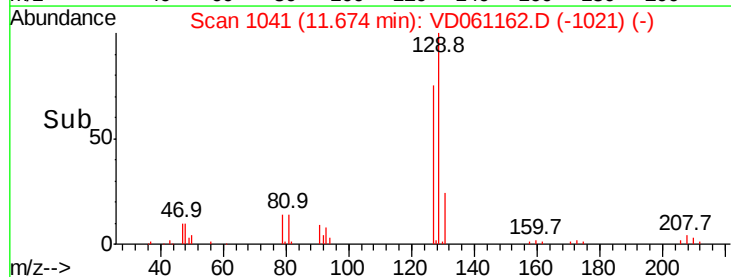
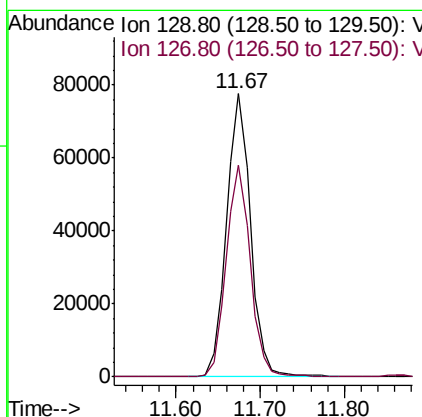
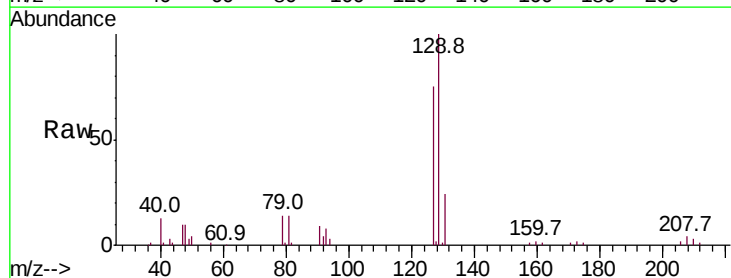
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

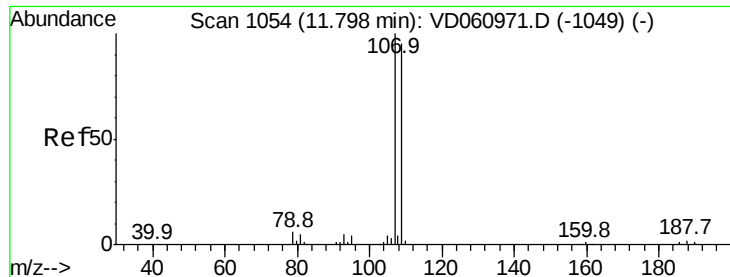
Tot Ion: 43 Resp: 285368
Ion Ratio Lower Upper
43 100
58 52.1 26.5 79.5



#60
Dibromochloromethane
Concen: 21.441 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 129 Resp: 153339
Ion Ratio Lower Upper
129 100
127 74.6 38.3 114.9

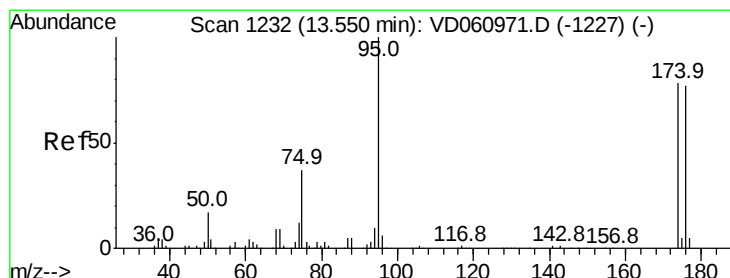
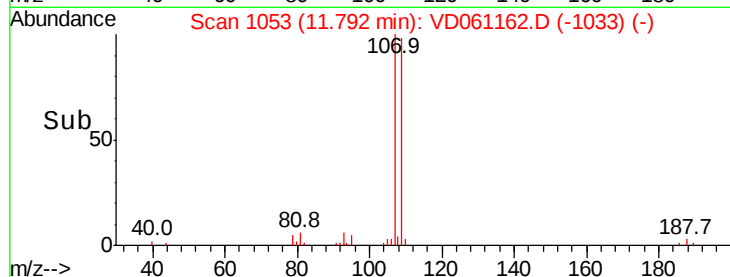
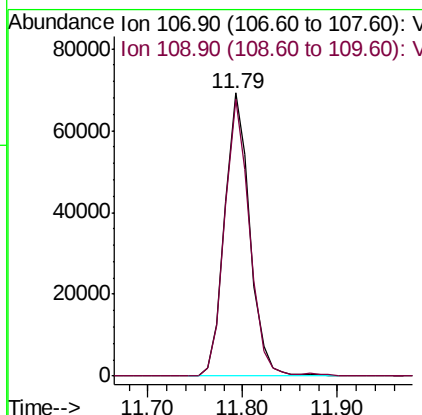
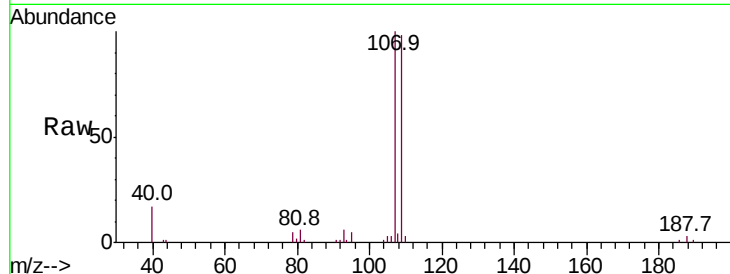




#61
 1,2-Dibromoethane
 Concen: 22.406 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

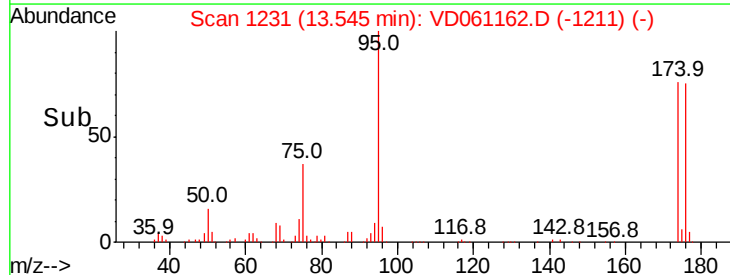
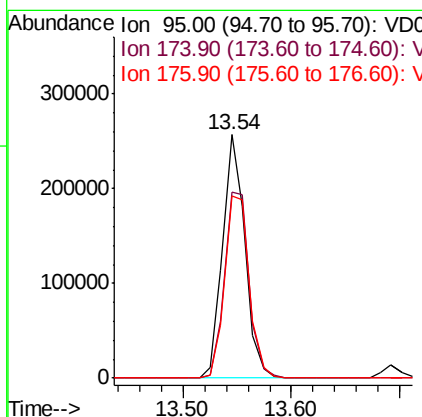
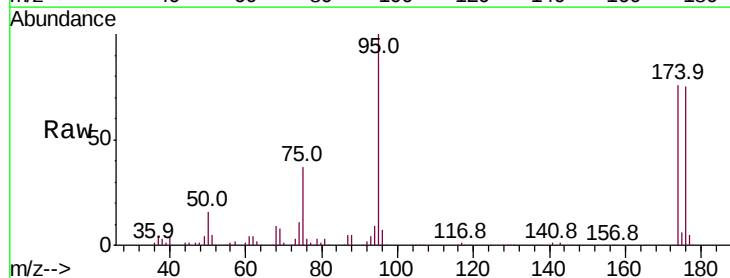
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

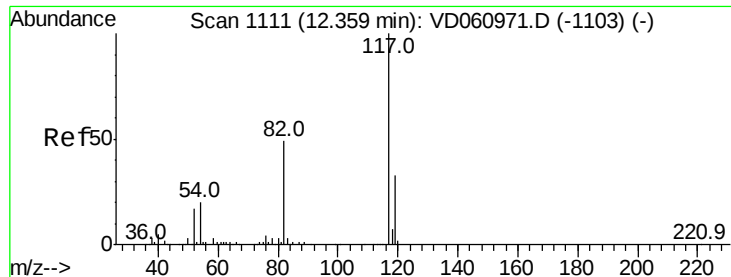
Tot Ion:107 Resp: 126659
 Ion Ratio Lower Upper
 107 100
 109 97.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 22.406 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Tgt Ion: 95 Resp: 367599
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 155.6
 176 74.8 0.0 153.8

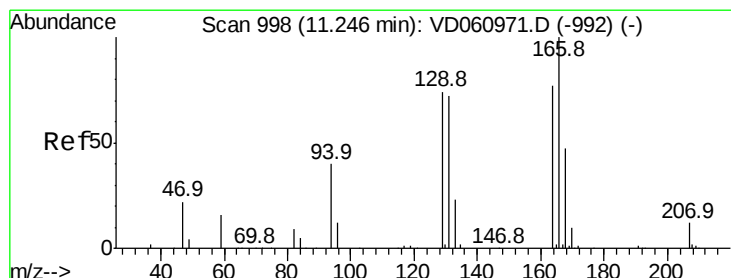
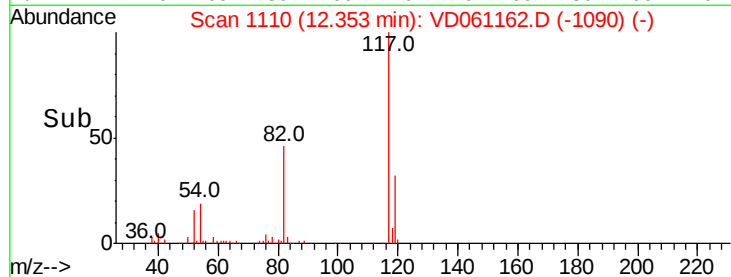
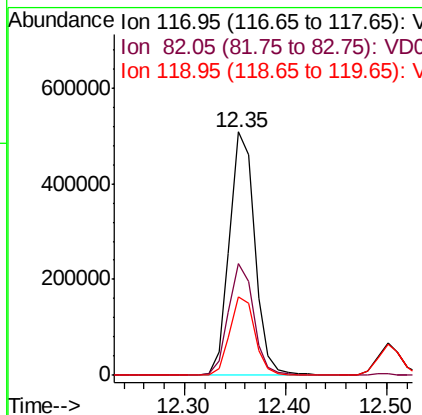
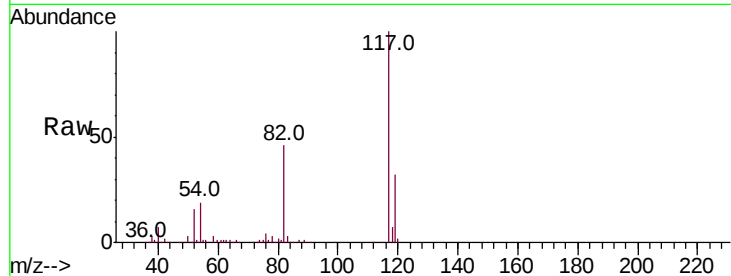




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

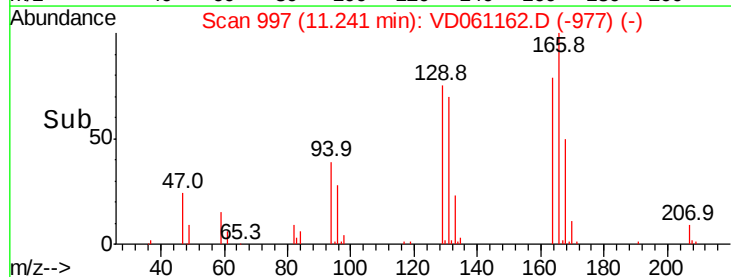
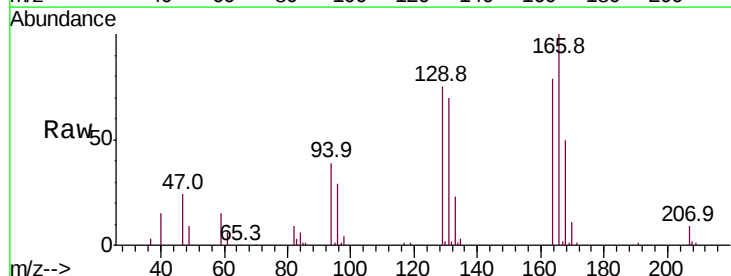
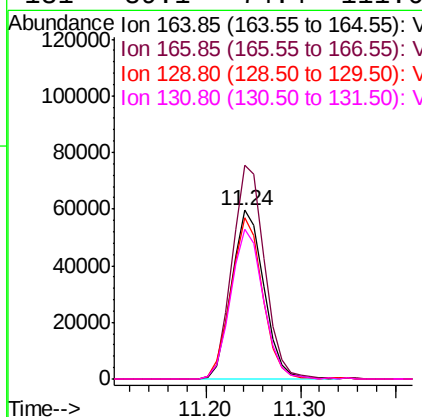
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

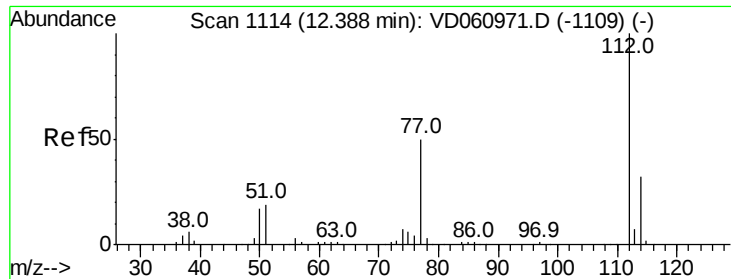
Tot Ion:117 Resp: 889102
Ion Ratio Lower Upper
117 100
82 45.7 38.9 58.3
119 32.1 26.6 39.8



#64
Tetrachloroethene
Concen: 23.469 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion:164 Resp: 140859
Ion Ratio Lower Upper
164 100
166 126.8 103.4 155.0
129 95.5 76.9 115.3
131 89.1 74.4 111.6

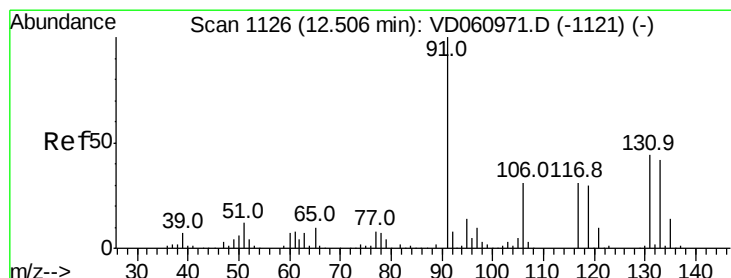
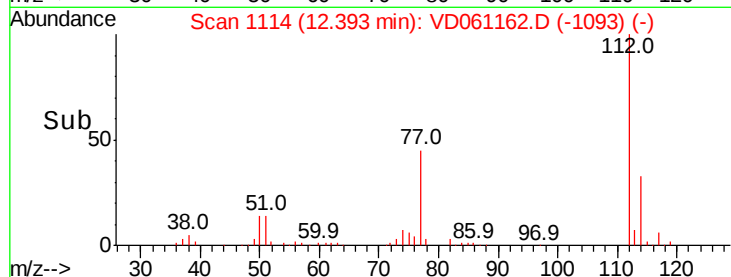
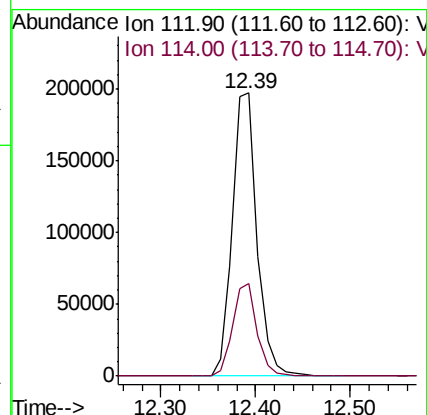
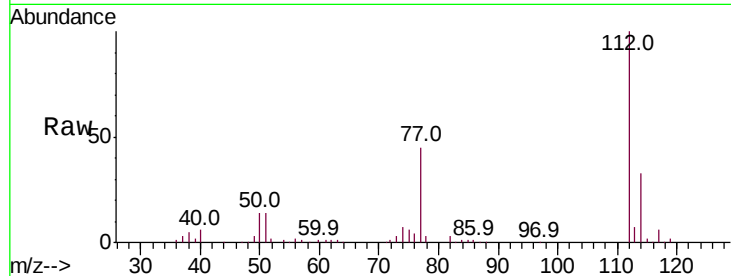




#65
Chlorobenzene
Concen: 20.424 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

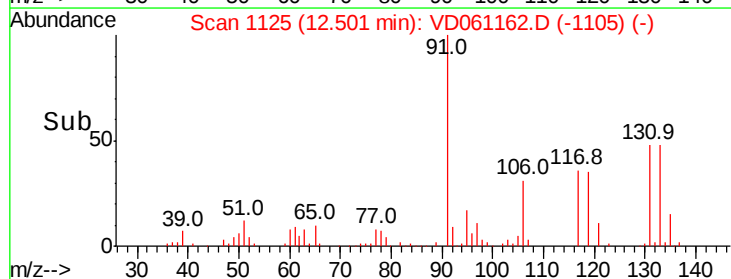
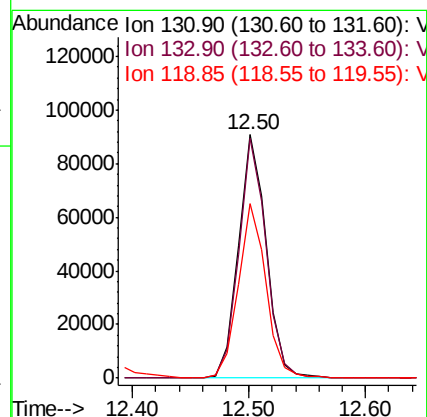
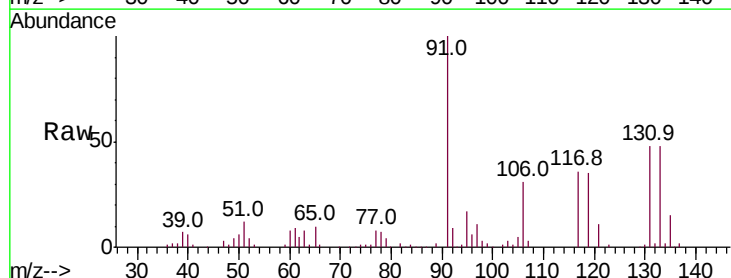
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

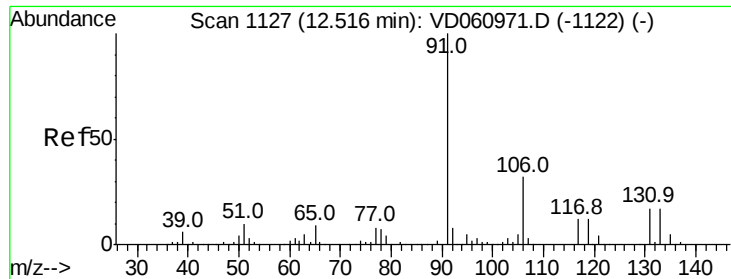
Tot Ion:112 Resp: 355990
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 24.016 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion:131 Resp: 149212
Ion Ratio Lower Upper
131 100
133 98.5 47.8 143.3
119 71.8 34.3 102.9

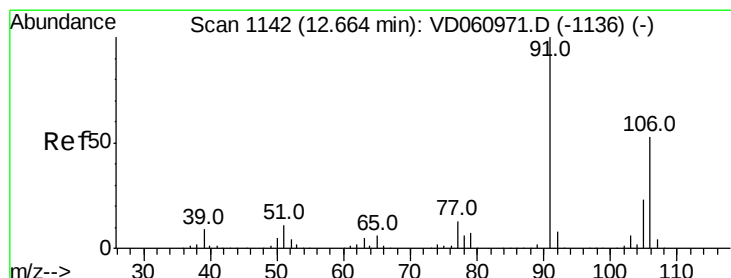
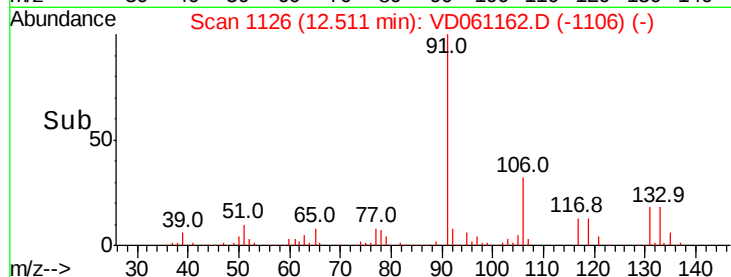
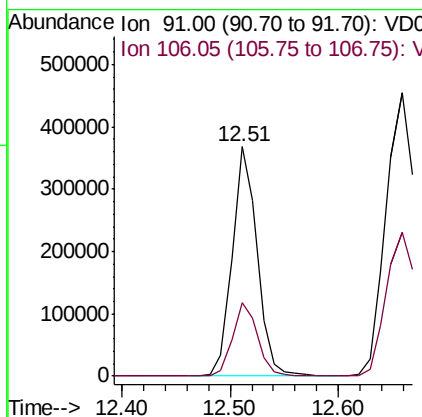
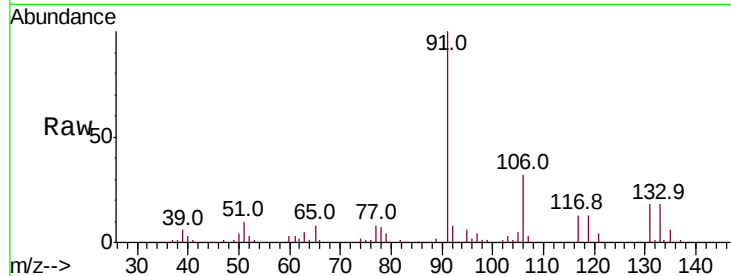




#67
Ethyl Benzene
Concen: 22.621 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

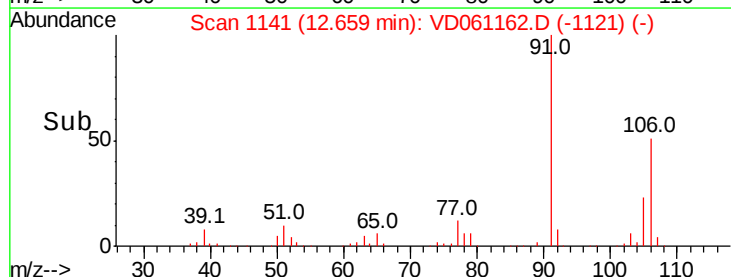
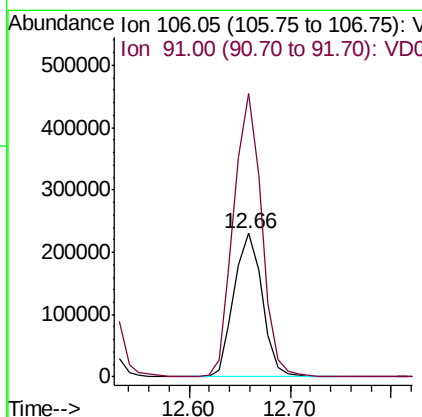
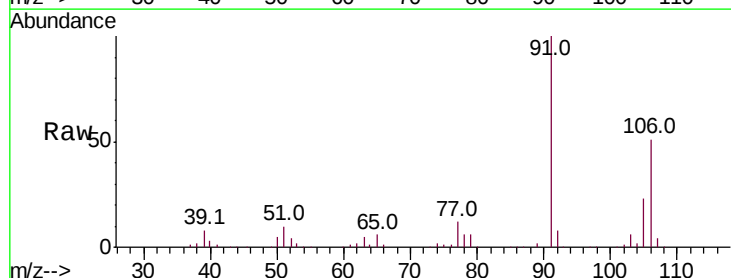
Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

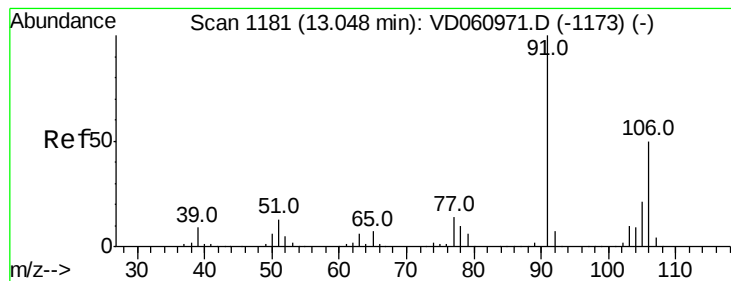
Tot Ion: 91 Resp: 586997
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5



#68
m/p-Xylenes
Concen: 44.357 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion: 106 Resp: 451770
Ion Ratio Lower Upper
106 100
91 196.9 152.0 228.0





#69

o-Xylene

Concen: 22.162 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

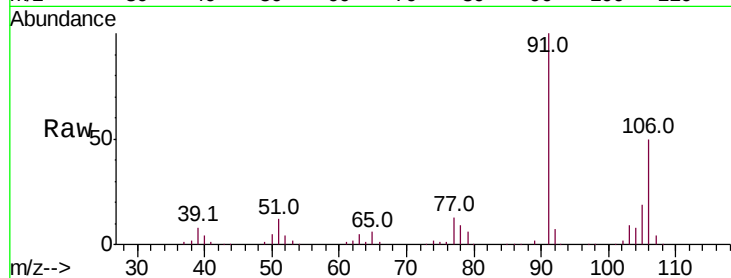
VD0318SBS02

Tot Ion:106 Resp: 221868

Ion Ratio Lower Upper

106 100

91 200.5 99.8 299.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

300000

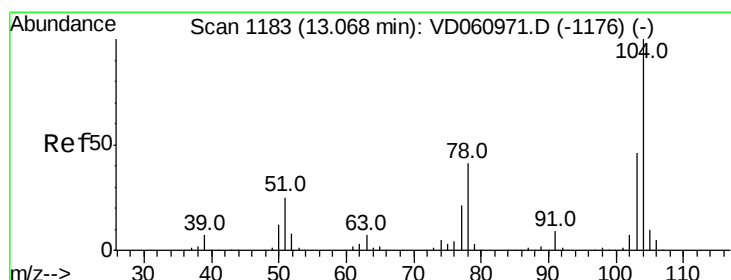
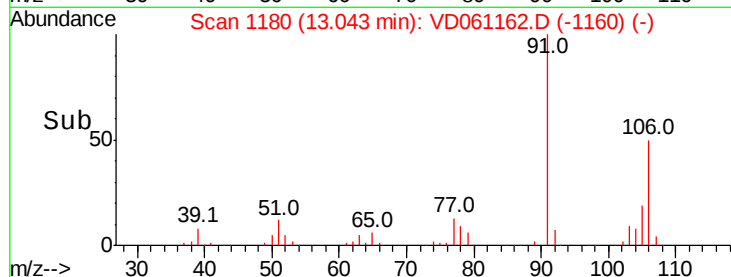
200000

100000

0

13.00 13.10

Time-->



#70

Styrene

Concen: 23.146 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

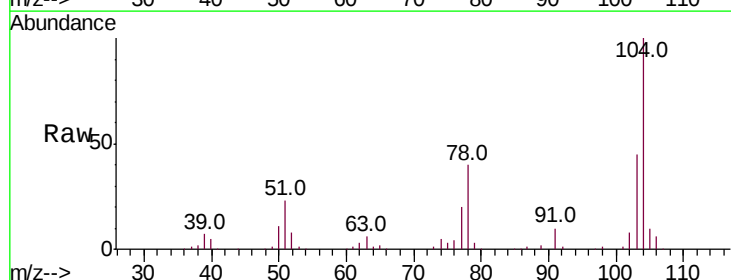
Tgt Ion:104 Resp: 378386

Ion Ratio Lower Upper

104 100

78 40.0 33.0 49.4

103 45.4 37.1 55.7



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

300000

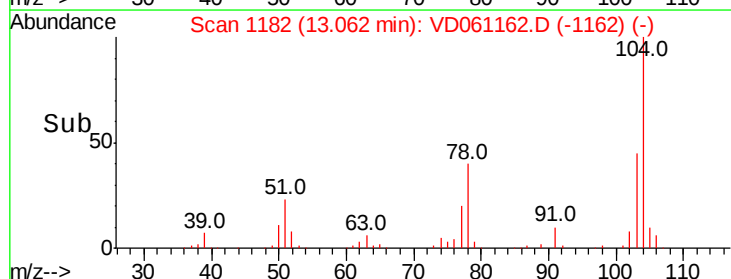
200000

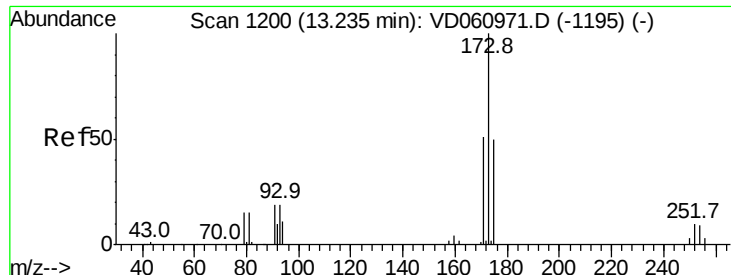
100000

0

13.00 13.10

Time-->





#71

Bromoform

Concen: 23.208 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

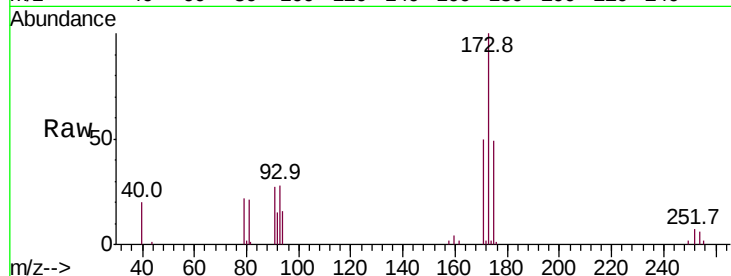
Tot Ion:173 Resp: 93019

Ion Ratio Lower Upper

173 100

175 49.4 24.9 74.8

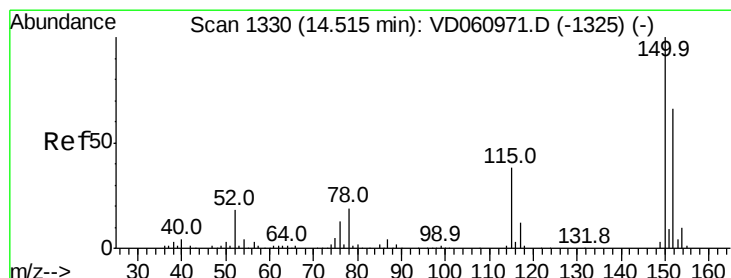
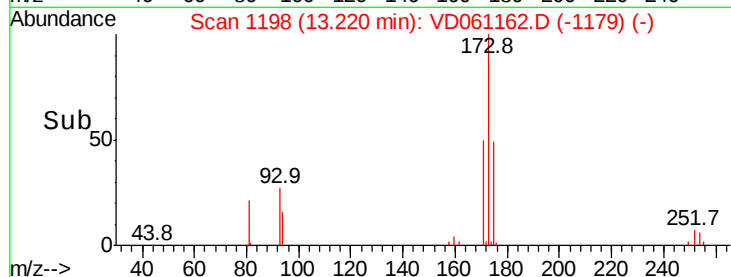
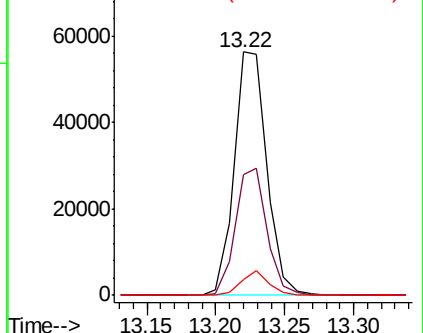
254 6.3 7.3 10.9#



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

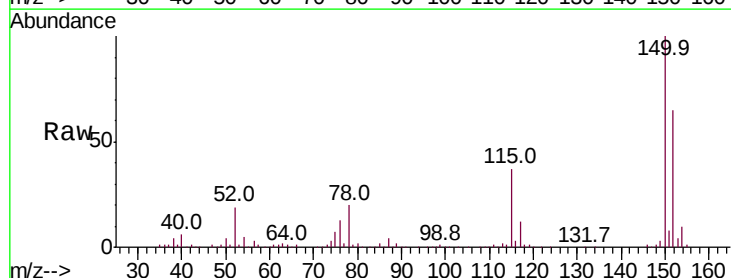
Tgt Ion:152 Resp: 401963

Ion Ratio Lower Upper

152 100

115 57.5 28.6 85.9

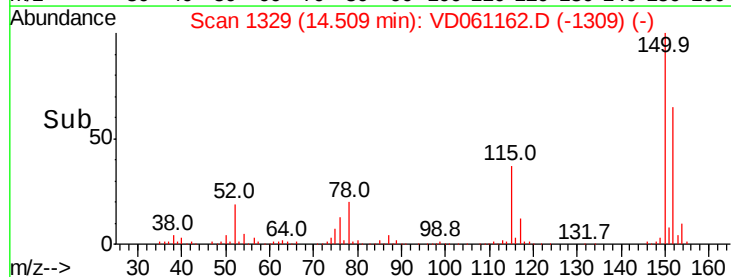
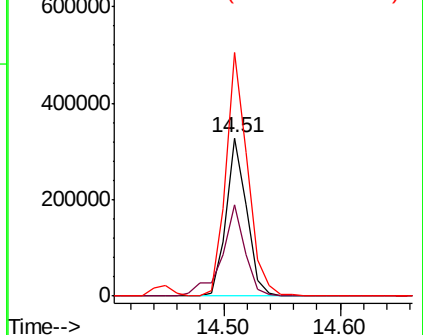
150 153.8 0.0 310.6

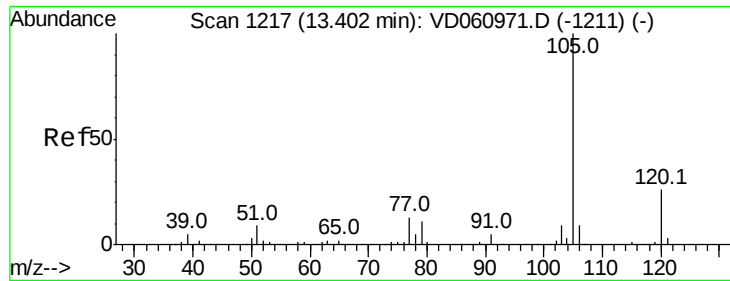


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.864 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

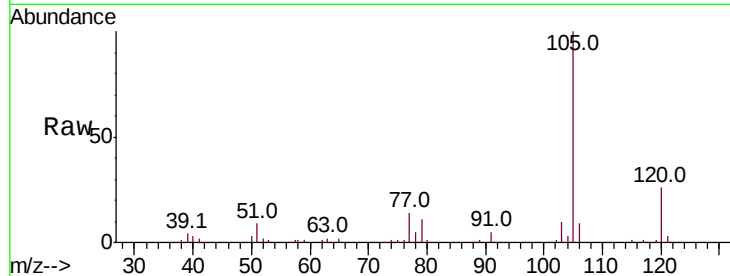
VD0318SBS02

Tot Ion:105 Resp: 575443

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

300000

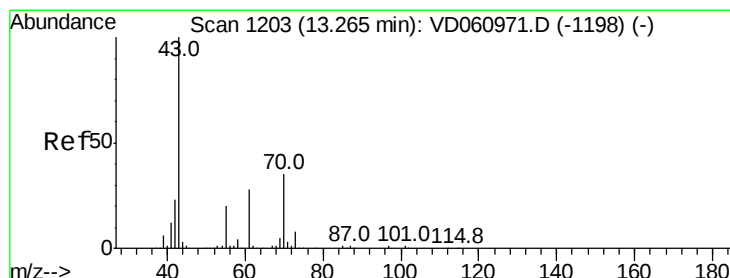
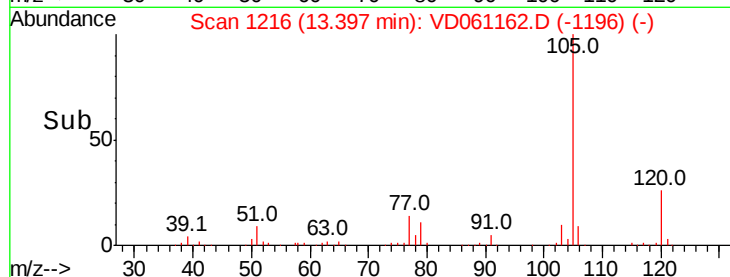
200000

100000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 20.329 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Tgt Ion: 43 Resp: 165823

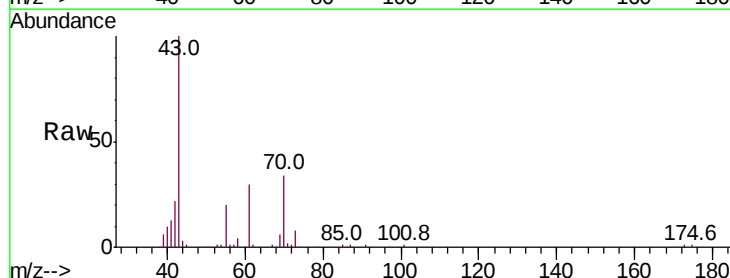
Ion Ratio Lower Upper

43 100

70 34.2 27.7 41.5

55 19.9 16.2 24.2

61 29.5 22.3 33.5



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

13.26

150000

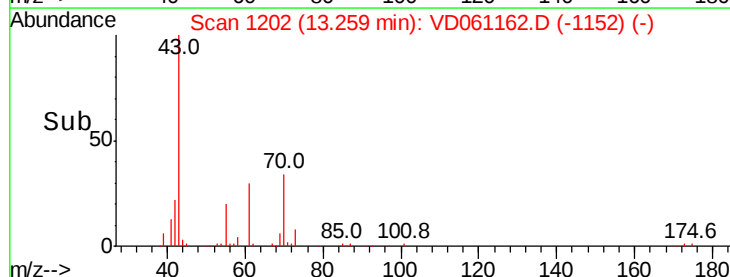
100000

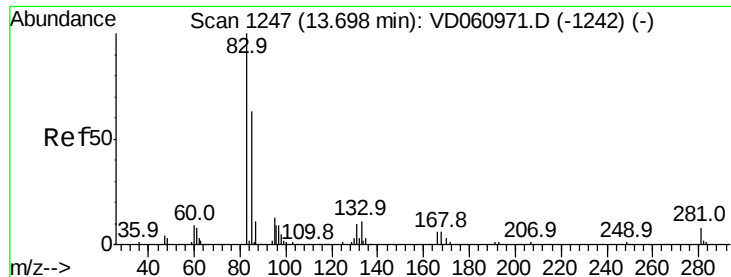
50000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.994 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

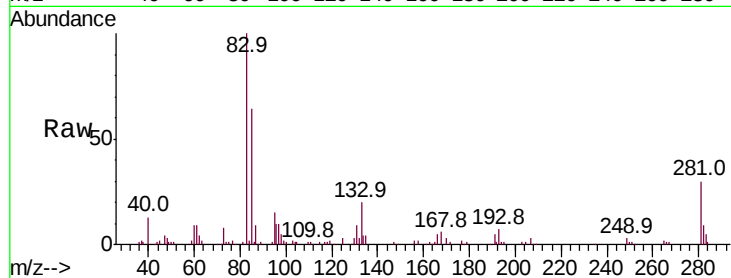
Tot Ion: 83 Resp: 124308

Ion Ratio Lower Upper

83 100

131 9.2 5.1 15.3

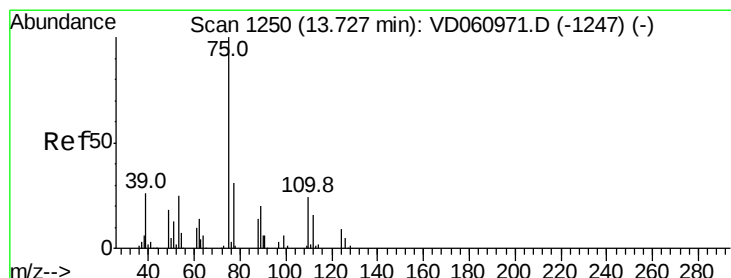
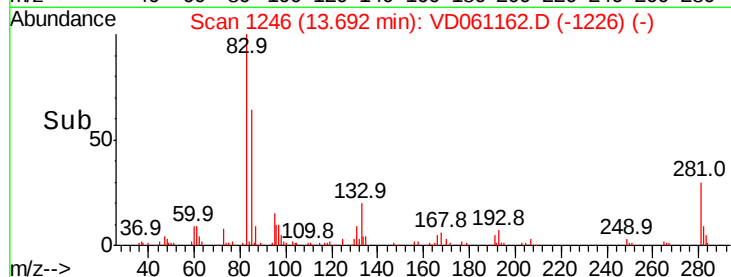
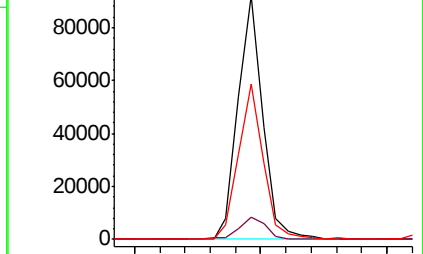
85 63.7 31.5 94.5



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: 23.108 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061162.D

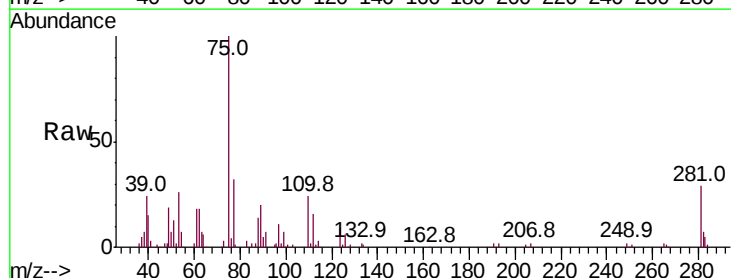
Acq: 19 Mar 2019 00:51

Tgt Ion: 75 Resp: 133634

Ion Ratio Lower Upper

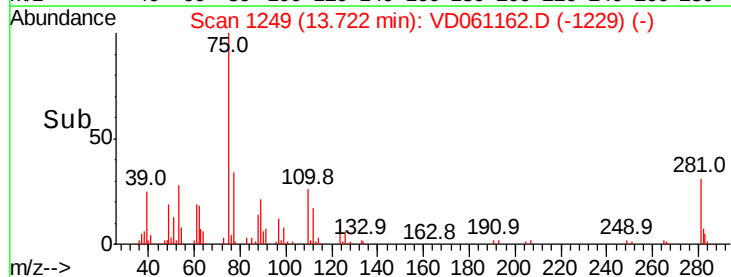
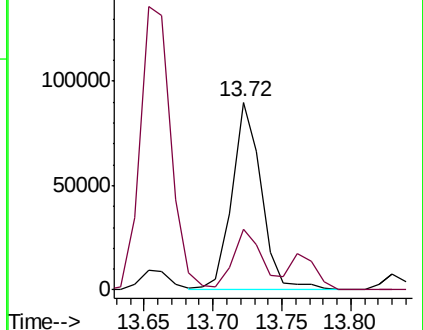
75 100

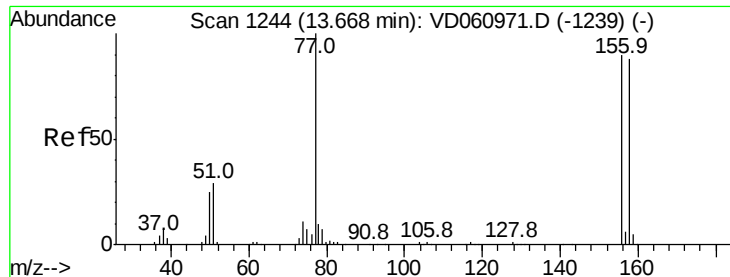
77 32.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.570 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

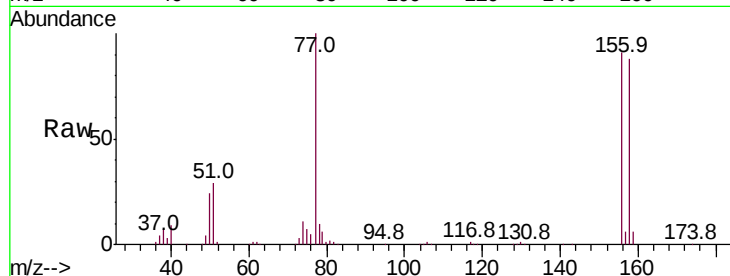
Tot Ion:156 Resp: 166903

Ion Ratio Lower Upper

156 100

77 109.8 55.5 166.7

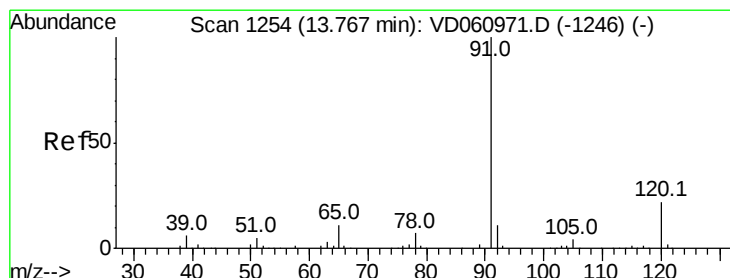
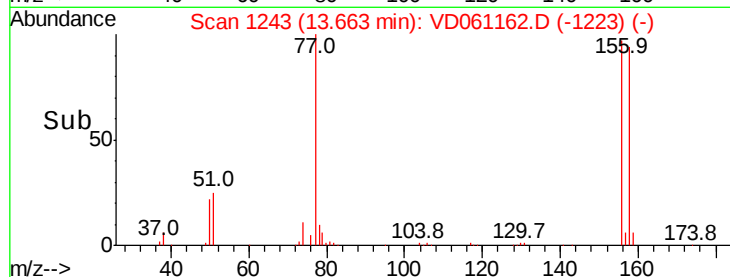
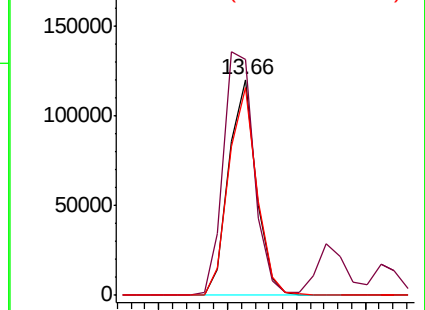
158 96.5 49.0 147.0



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: 20.083 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061162.D

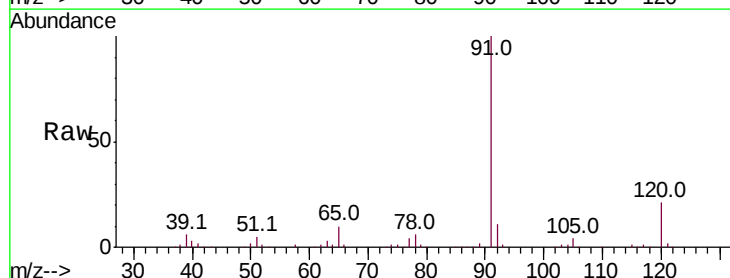
Acq: 19 Mar 2019 00:51

Tgt Ion: 91 Resp: 681089

Ion Ratio Lower Upper

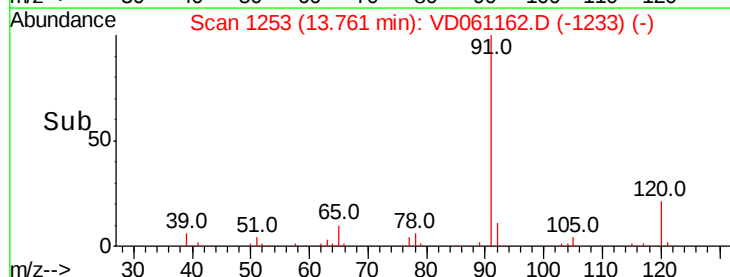
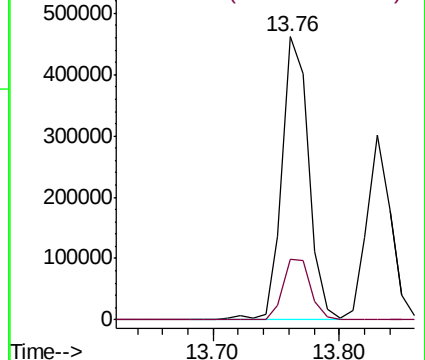
91 100

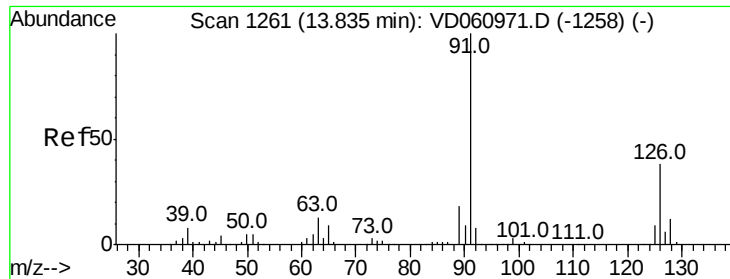
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.451 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

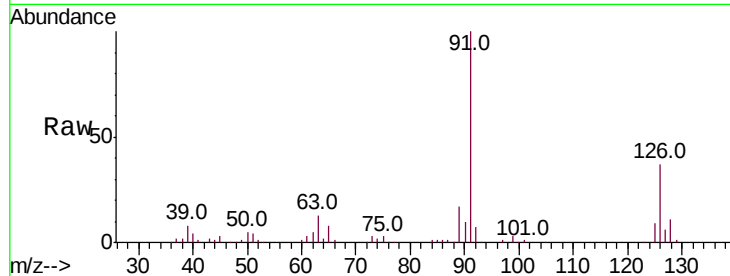
VD0318SBS02

Tot Ion: 91 Resp: 400510

Ion Ratio Lower Upper

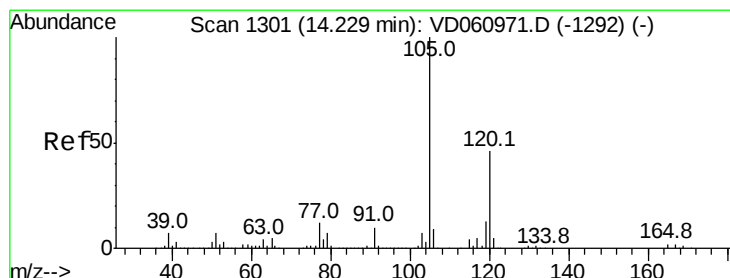
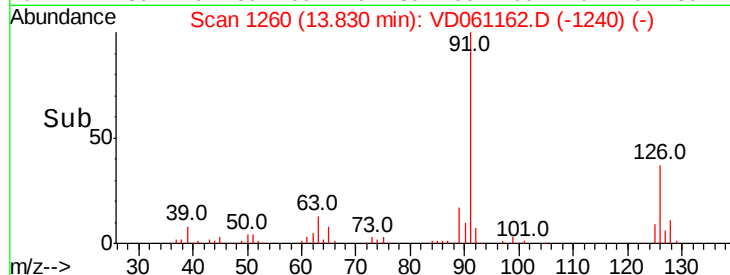
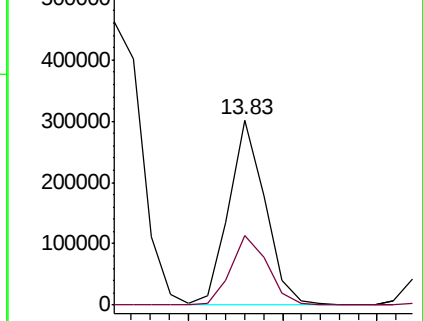
91 100

126 37.5 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.286 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061162.D

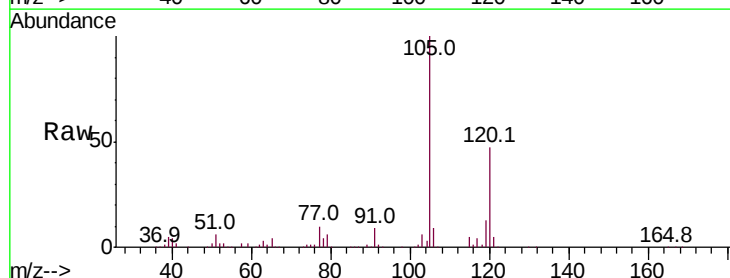
Acq: 19 Mar 2019 00:51

Tgt Ion:105 Resp: 490102

Ion Ratio Lower Upper

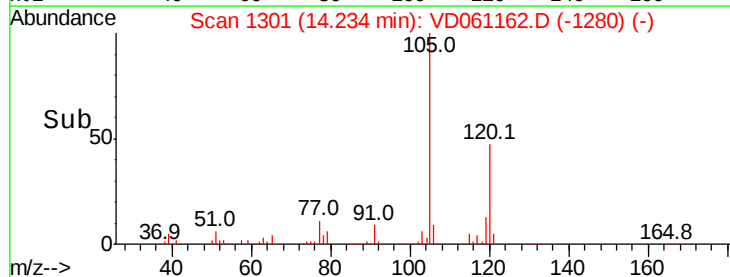
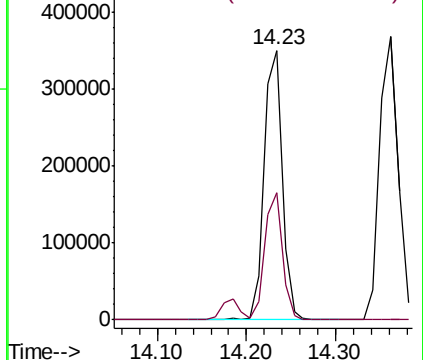
105 100

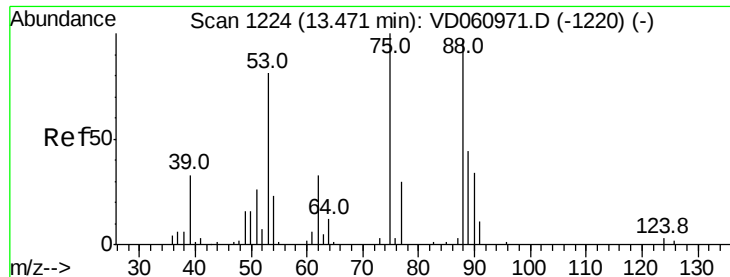
120 47.1 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.916 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

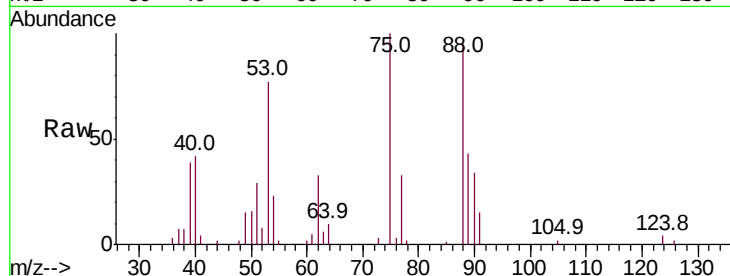
Tot Ion: 75 Resp: 33955

Ion Ratio Lower Upper

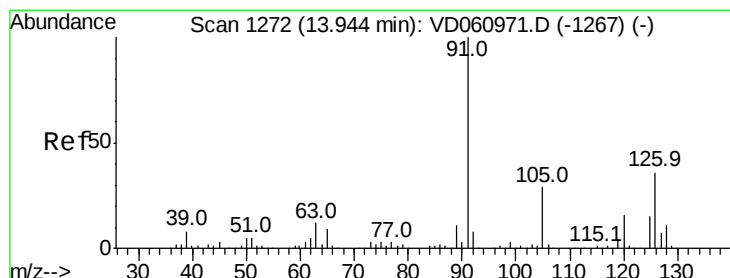
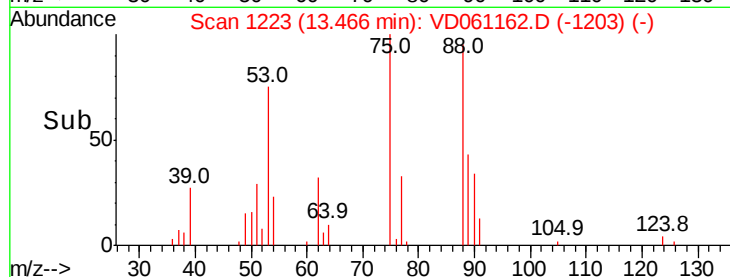
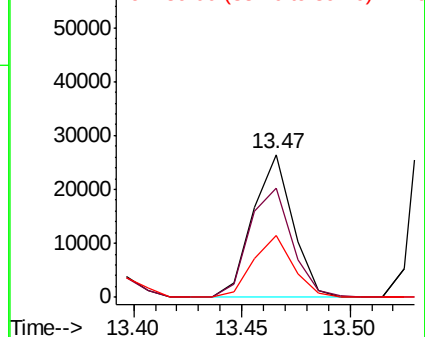
75 100

53 76.6 64.4 96.6

89 43.4 34.8 52.2



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



#82

4-Chlorotoluene

Concen: 18.346 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061162.D

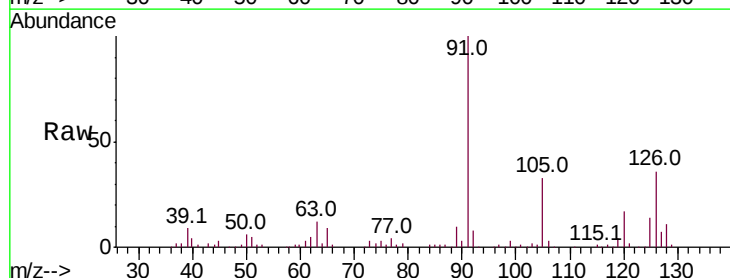
Acq: 19 Mar 2019 00:51

Tgt Ion: 91 Resp: 404942

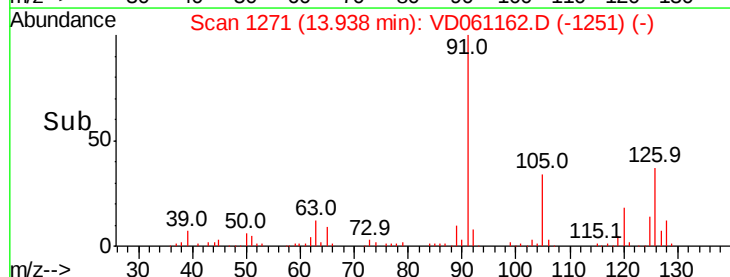
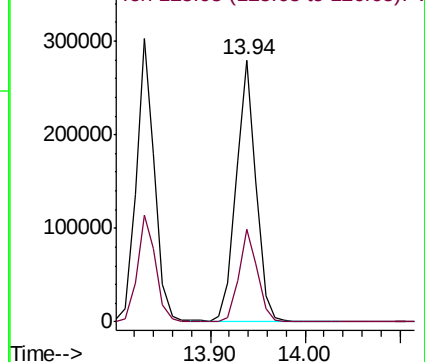
Ion Ratio Lower Upper

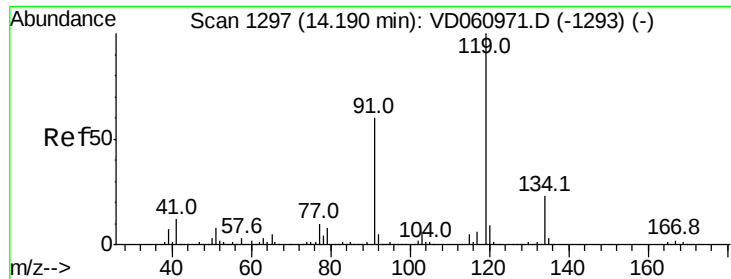
91 100

126 35.6 18.0 54.0



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

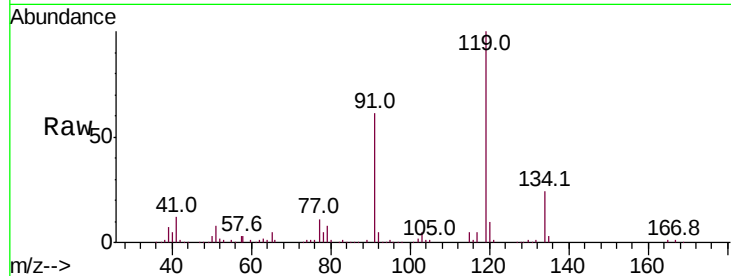




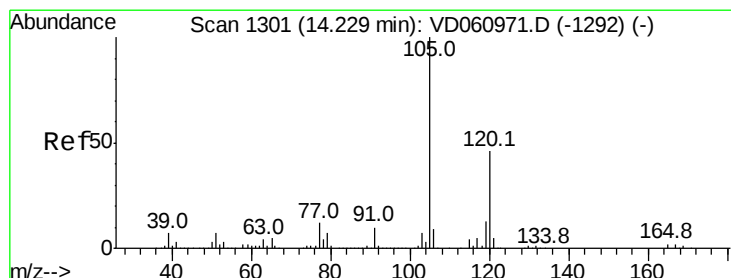
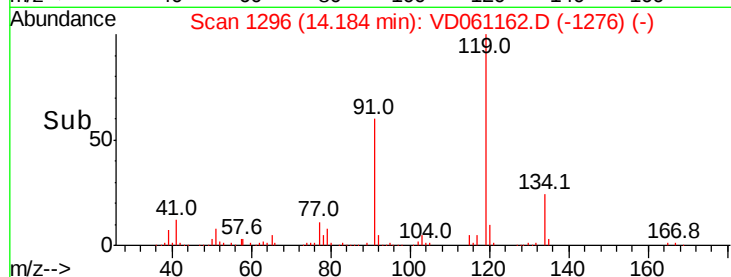
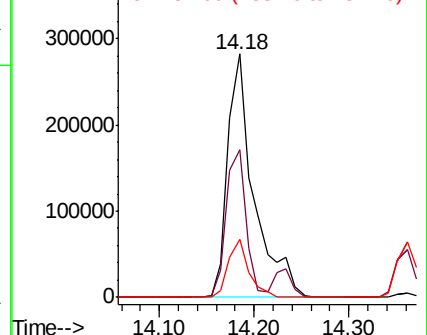
#83
tert-Butylbenzene
Concen: 22.502 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Tot Ion:119 Resp: 541564
Ion Ratio Lower Upper
119 100
91 60.9 30.1 90.3
134 23.9 11.6 34.7

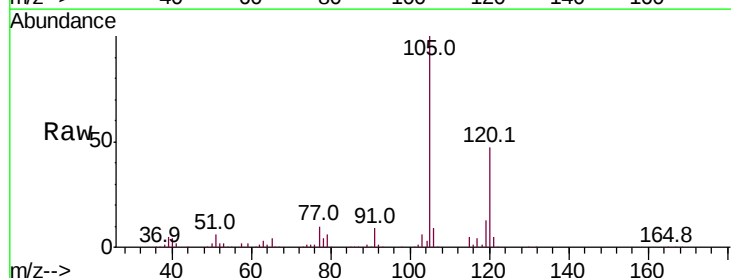


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

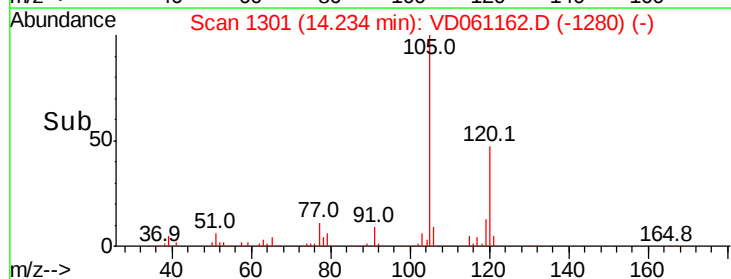
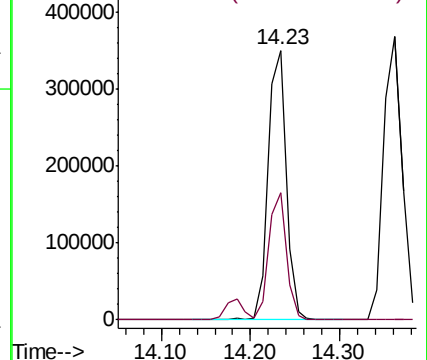


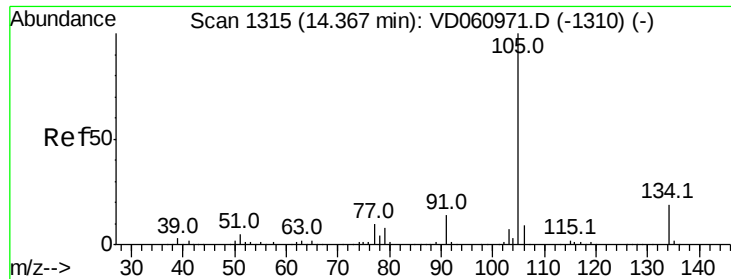
#84
1,2,4-Trimethylbenzene
Concen: 22.286 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion:105 Resp: 490102
Ion Ratio Lower Upper
105 100
120 47.1 22.9 68.5



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





#85

sec-Butylbenzene

Concen: 17.920 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

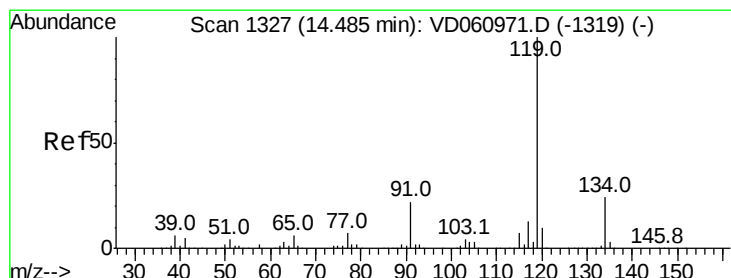
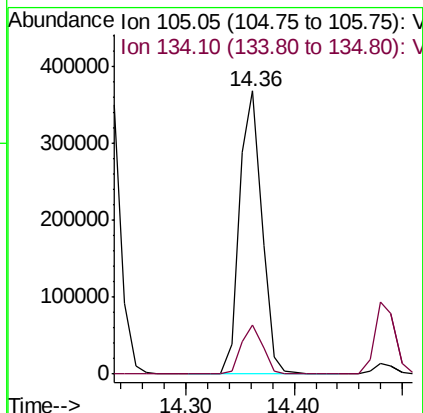
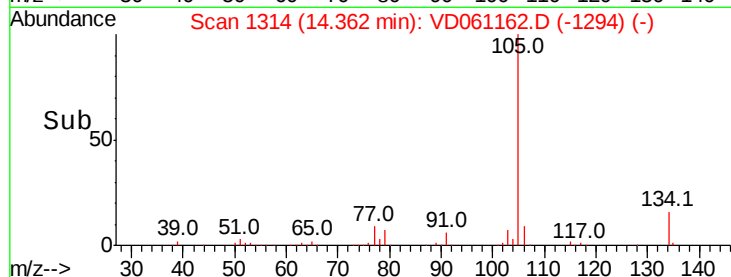
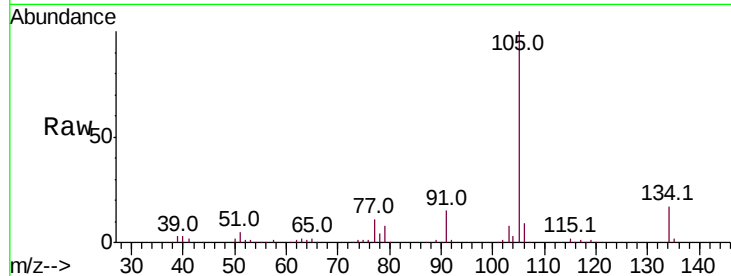
VD0318SBS02

Tot Ion:105 Resp: 526516

Ion Ratio Lower Upper

105 100

134 17.5 9.4 28.2



#86

p-Isopropyltoluene

Concen: 21.016 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

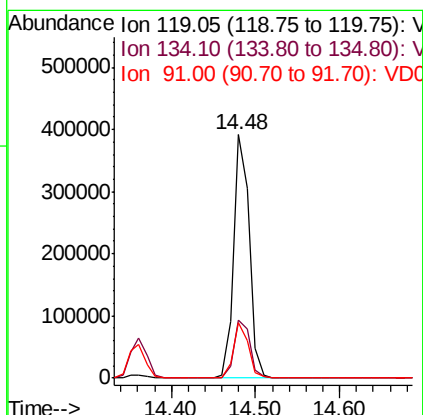
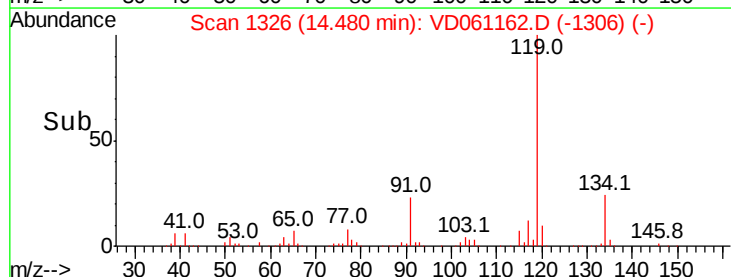
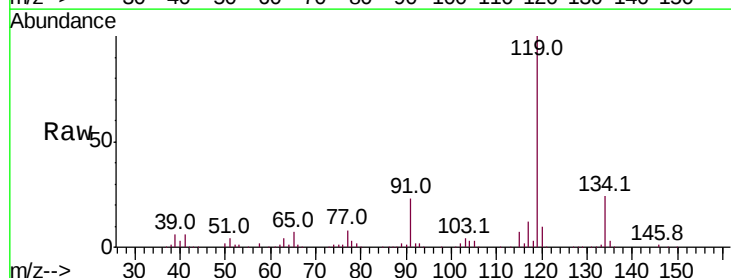
Tgt Ion:119 Resp: 504728

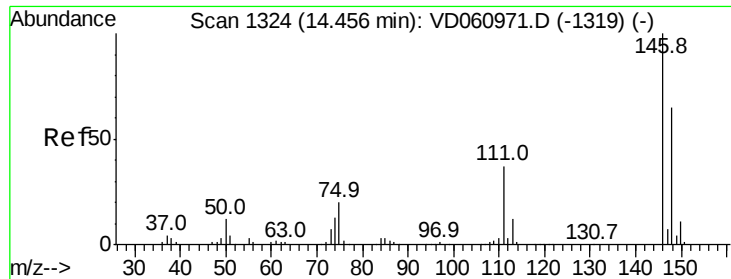
Ion Ratio Lower Upper

119 100

134 23.9 12.0 36.1

91 22.7 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 21.517 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

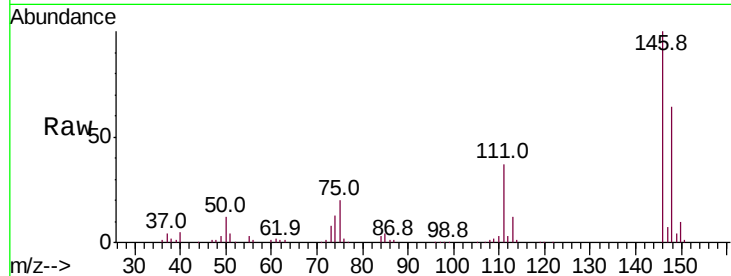
Tot Ion:146 Resp: 284128

Ion Ratio Lower Upper

146 100

111 37.4 18.4 55.4

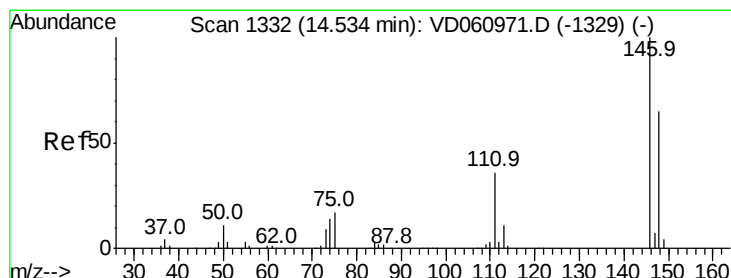
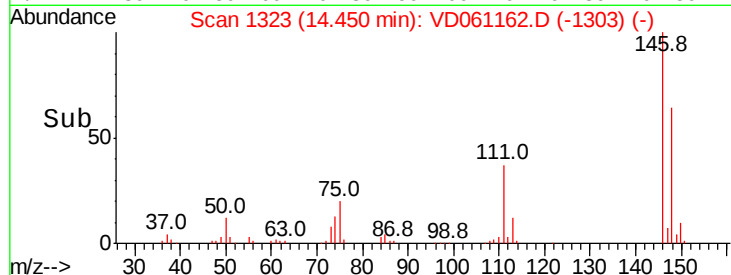
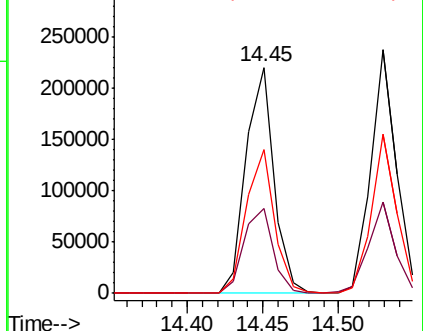
148 63.9 32.5 97.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.935 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

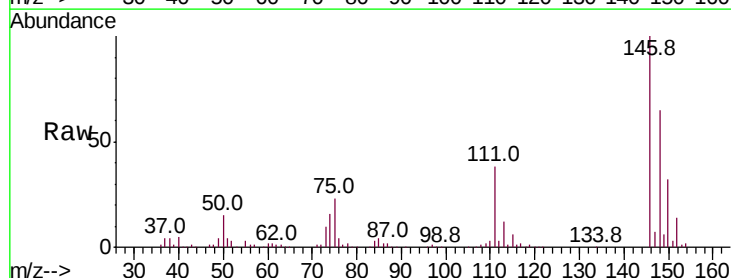
Tgt Ion:146 Resp: 284630

Ion Ratio Lower Upper

146 100

111 37.6 18.4 55.2

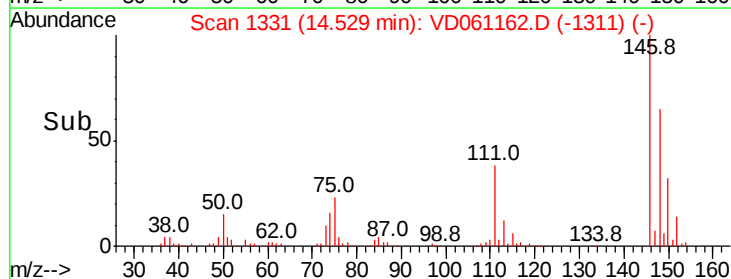
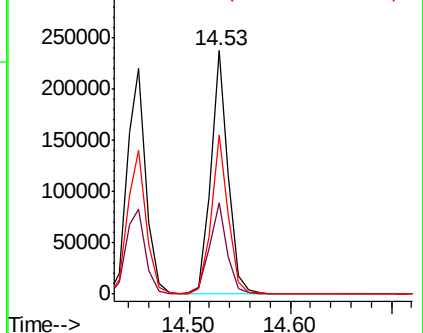
148 65.5 32.5 97.5

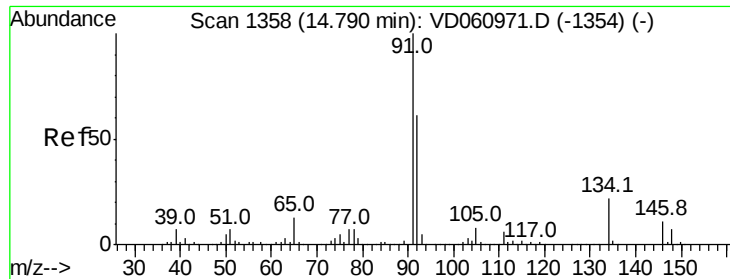


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.668 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061162.D

Acq: 19 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0318SBS02

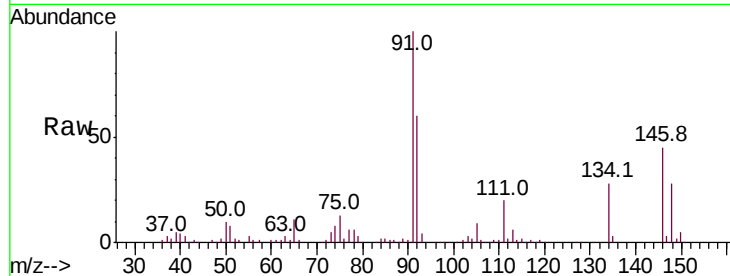
Tot Ion: 91 Resp: 430551

Ion Ratio Lower Upper

91 100

92 60.2 30.6 91.8

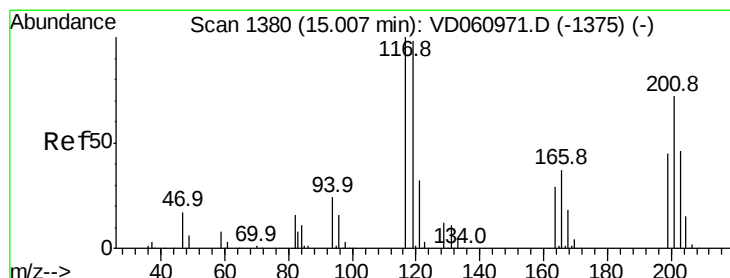
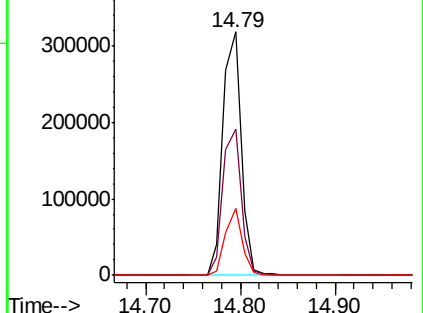
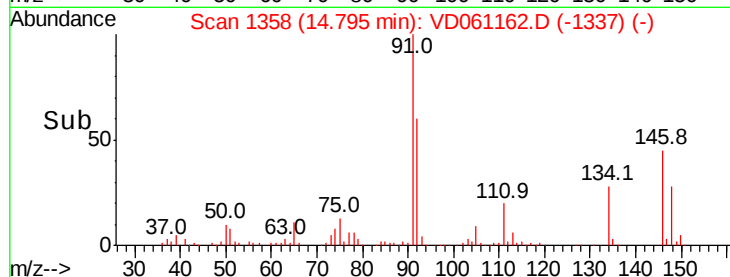
134 27.7 11.0 33.0



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



#90

Hexachloroethane

Concen: 20.999 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061162.D

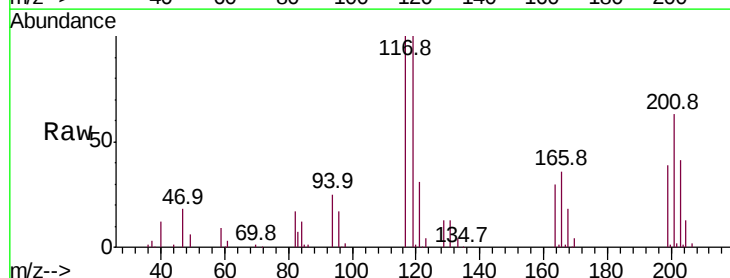
Acq: 19 Mar 2019 00:51

Tgt Ion: 117 Resp: 142408

Ion Ratio Lower Upper

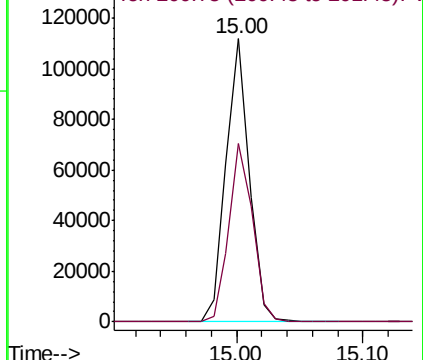
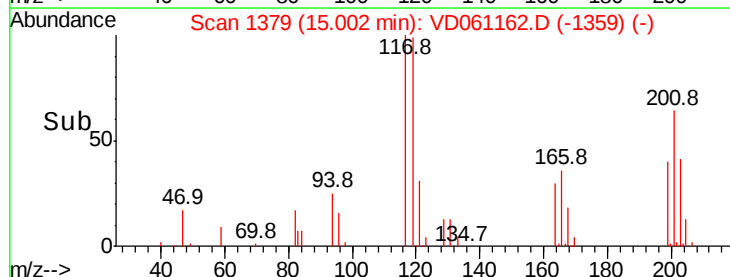
117 100

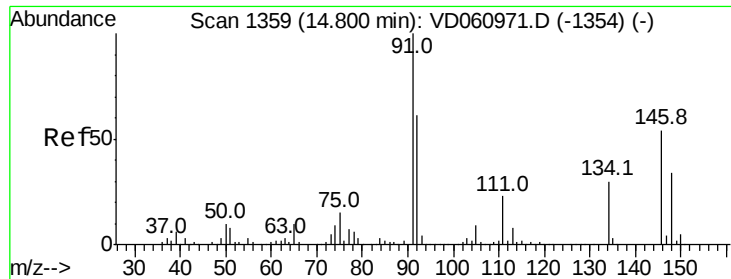
201 63.2 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

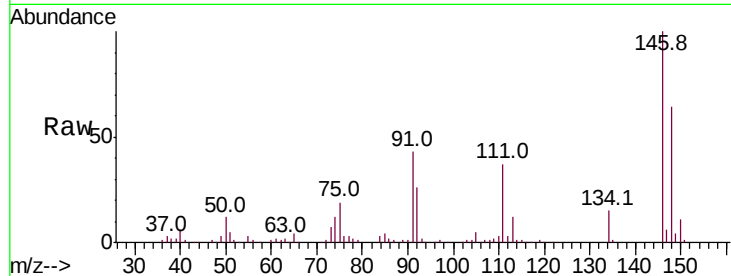




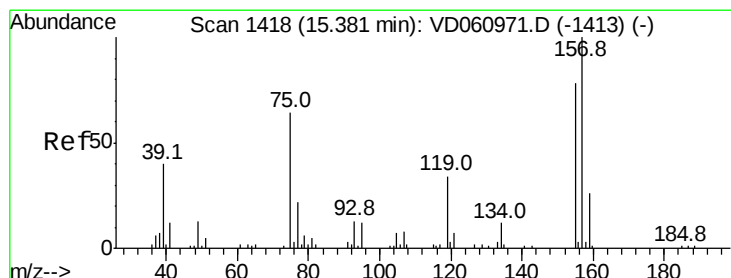
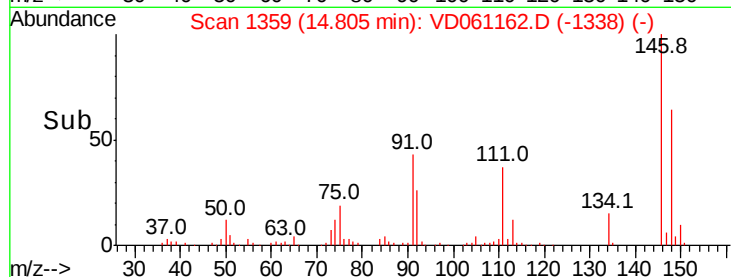
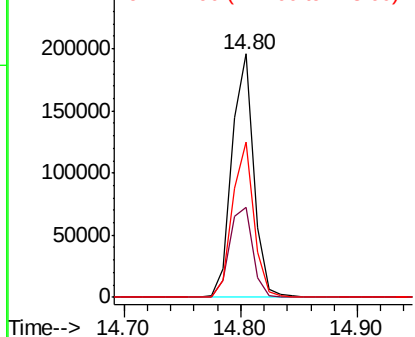
#91
 1,2-Dichlorobenzene
 Concen: 23.117 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Tot Ion:146 Resp: 254470
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.5 64.5
 148 63.6 30.9 92.8

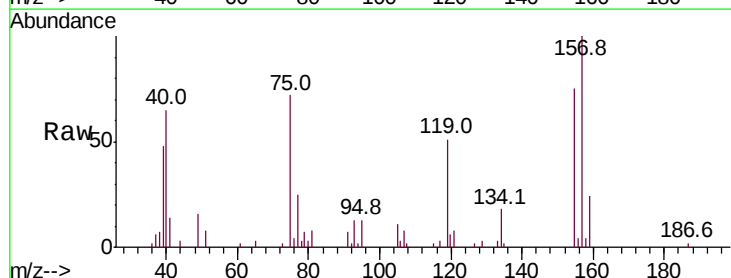


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

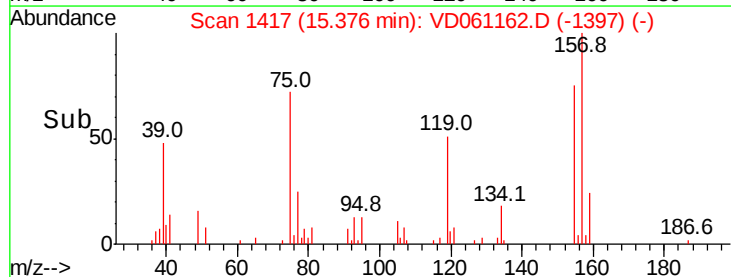
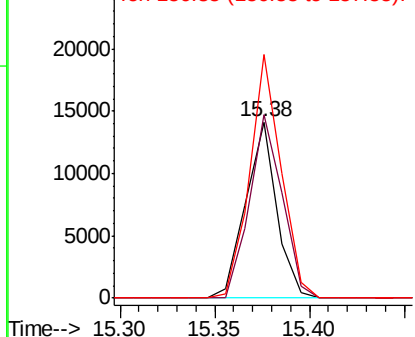


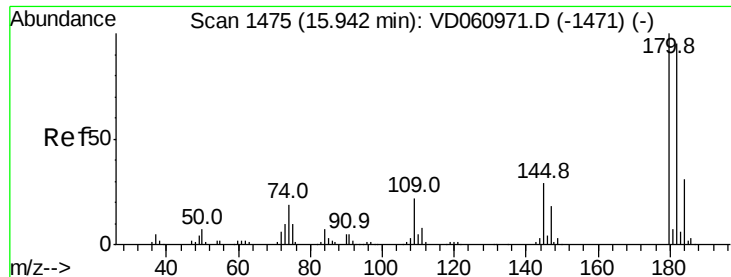
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.536 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Tgt Ion: 75 Resp: 16030
 Ion Ratio Lower Upper
 75 100
 155 104.2 61.2 183.5
 157 138.0 78.3 234.8



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

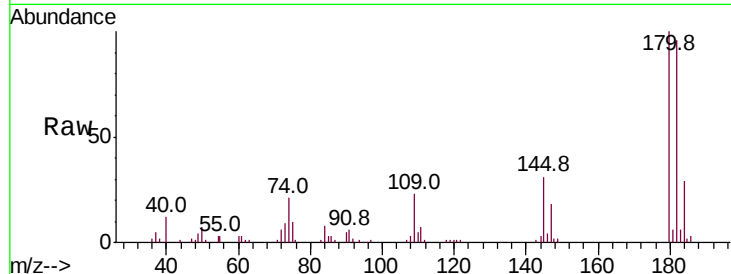




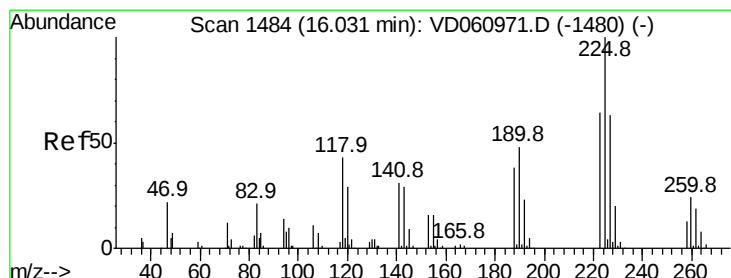
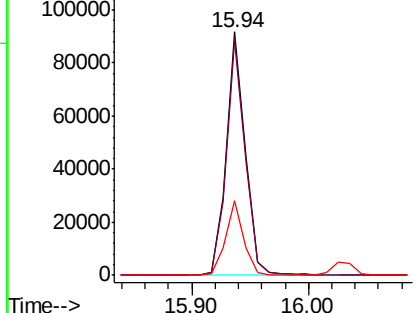
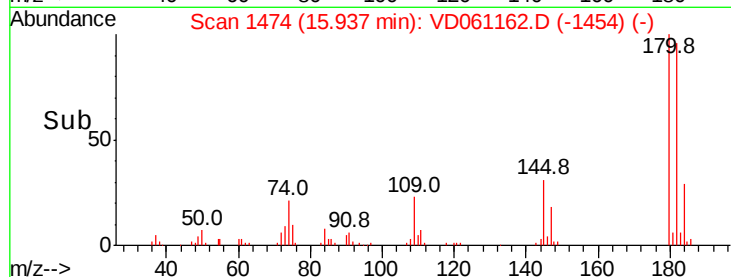
#93
 1,2,4-Trichlorobenzene
 Concen: 20.184 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Tot Ion:180 Resp: 103073
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.3 142.0
 145 30.7 14.4 43.0

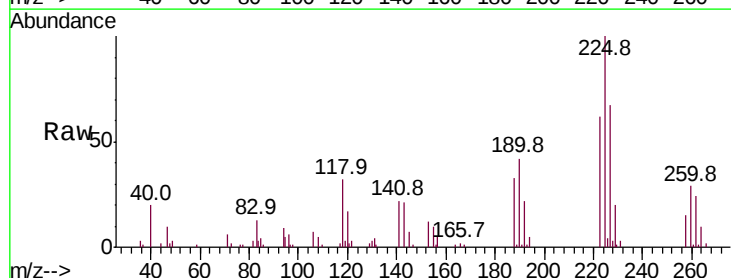


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

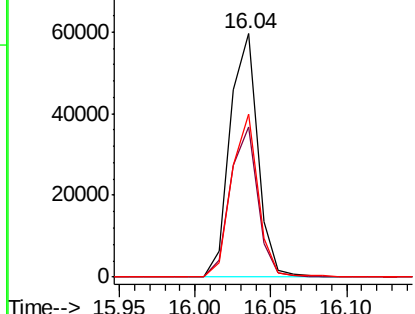
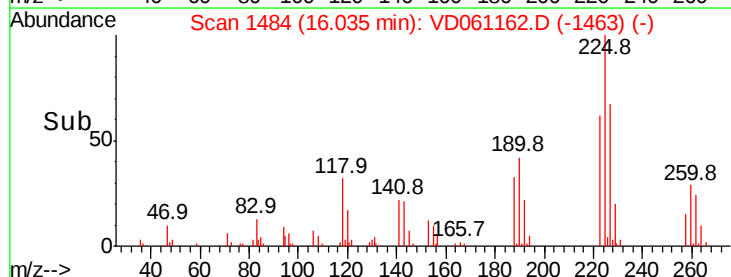


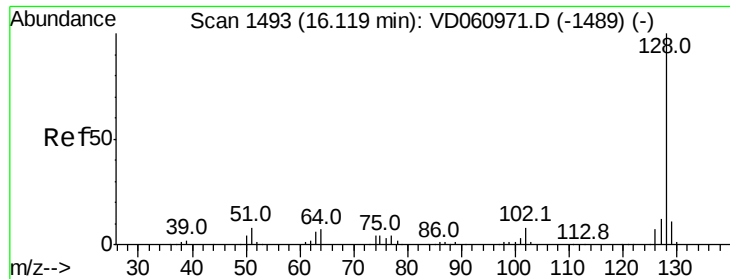
#94
 Hexachlorobutadiene
 Concen: 19.571 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061162.D
 Acq: 19 Mar 2019 00:51

Tgt Ion:225 Resp: 75594
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.8 95.3
 227 66.9 31.4 94.0



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

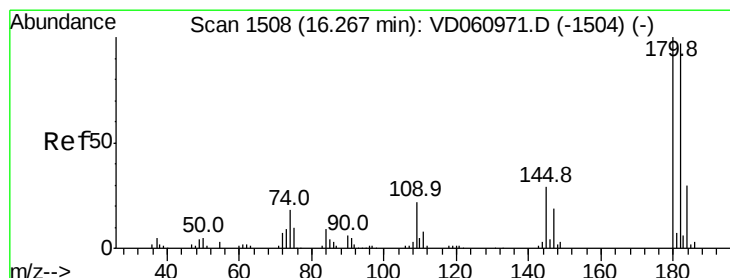
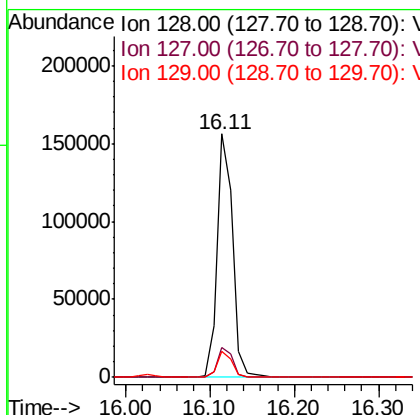
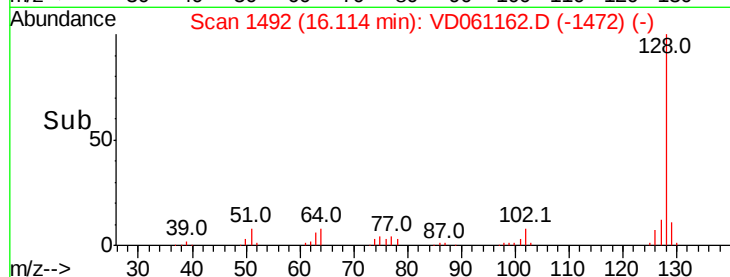
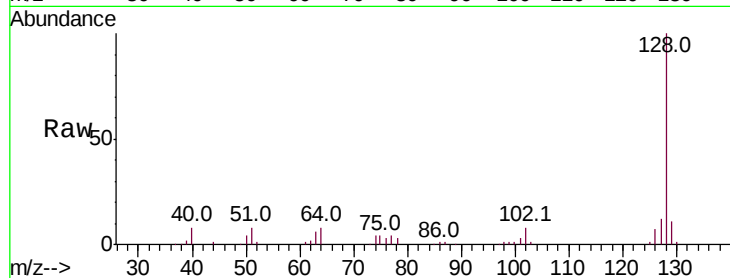




#95
Naphthalene
Concen: 25.550 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0318SBS02

Tot Ion:128 Resp: 198273
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.830 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061162.D
Acq: 19 Mar 2019 00:51

Tgt Ion:180 Resp: 57582
Ion Ratio Lower Upper
180 100
182 89.1 48.6 145.8
145 33.6 14.3 42.9

