

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061187.D
 Acq On : 19 Mar 2019 16:11
 Operator : VA/AP
 Sample : VD0319SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

Quant Time: Mar 19 16:38:10 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	7.03	168	638637	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1132861	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	897086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	406518	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	279252	52.53	ug/l	-0.01
Spiked Amount			Recovery	=	105.06%	
35) Dibromofluoromethane	6.91	113	417920	49.71	ug/l	-0.01
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.40	98	1015807	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	13.55	95	407395	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	124101	19.617	ug/l	98
3) Chloromethane	1.76	50	116227	22.055	ug/l	100
4) Vinyl Chloride	1.85	62	109722	22.533	ug/l	97
5) Bromomethane	2.15	94	17298	17.350	ug/l #	81
6) Chloroethane	2.26	64	29338	20.128	ug/l #	88
7) Trichlorofluoromethane	2.53	101	139080	19.882	ug/l	99
8) Diethyl Ether	2.88	74	50903	22.058	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	172870	22.104	ug/l	96
10) Methyl Iodide	3.31	142	213763	21.617	ug/l	97
11) Tert butyl alcohol	4.06	59	34455	101.811	ug/l	98
12) 1,1-Dichloroethene	3.12	96	142933	22.296	ug/l	99
13) Acrolein	3.04	56	35694	72.895	ug/l	89
14) Allyl chloride	3.62	41	215372	20.998	ug/l	99
15) Acrylonitrile	4.19	53	135661	113.420	ug/l	95
16) Acetone	3.22	43	142809	93.945	ug/l	98
17) Carbon Disulfide	3.37	76	433828	20.061	ug/l	100
18) Methyl Acetate	3.64	43	63590	21.256	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	265846	23.663	ug/l	96
20) Methylene Chloride	3.81	84	168330	21.641	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	155403	22.397	ug/l	94
22) Diisopropyl ether	5.11	45	465716	21.872	ug/l	98
23) Vinyl Acetate	5.04	43	1249842	114.346	ug/l	99
24) 1,1-Dichloroethane	4.98	63	255636	21.913	ug/l	99
25) 2-Butanone	6.06	43	193434	112.140	ug/l	95
26) 2,2-Dichloropropane	6.01	77	209614	23.016	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	179982	24.448	ug/l	96
28) Bromochloromethane	6.43	49	94561	19.147	ug/l	91
29) Tetrahydrofuran	6.44	42	94344	100.726	ug/l	96
30) Chloroform	6.65	83	258488	21.379	ug/l	96
31) Cyclohexane	6.94	56	207564	22.065	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	217166	20.775	ug/l	97
36) 1,1-Dichloropropene	7.13	75	189178	19.373	ug/l	99
37) Ethyl Acetate	6.17	43	87426	19.079	ug/l	99
38) Carbon Tetrachloride	7.10	117	204920	19.051	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	186720	18.440	ug/l	99
40) Benzene	7.45	78	511491	20.962	ug/l	99
41) Methacrylonitrile	6.43	41	102680	19.481	ug/l	99
42) 1,2-Dichloroethane	7.56	62	141850	20.033	ug/l	100
43) Isopropyl Acetate	9.23	43	128907	20.311	ug/l #	96
44) Trichloroethene	8.53	130	187985	22.331	ug/l	95
45) 1,2-Dichloropropane	8.92	63	126267	19.697	ug/l	98
46) Dibromomethane	9.05	93	83099	20.436	ug/l	96
47) Bromodichloromethane	9.37	83	186876	20.365	ug/l	98
48) Methyl methacrylate	9.11	41	75946	21.253	ug/l	95
49) 1,4-Dioxane	9.06	88	14488	400.948	ug/l #	96
51) 4-Methyl-2-Pentanone	10.28	43	401777	103.332	ug/l	97
52) Toluene	10.50	92	300463	19.802	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	160737	19.157	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	201052	19.943	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	106022	20.982	ug/l	96
56) Ethyl methacrylate	11.03	69	103273	19.526	ug/l	91
57) 1,3-Dichloropropane	11.39	76	154874	20.510	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	277112	98.983	ug/l	99
59) 2-Hexanone	11.52	43	288484	101.428	ug/l	99
60) Dibromochloromethane	11.67	129	158222	21.276	ug/l	100
61) 1,2-Dibromoethane	11.80	107	115315	19.618	ug/l	97
64) Tetrachloroethene	11.25	164	137815	22.758	ug/l	93
65) Chlorobenzene	12.39	112	394526	22.433	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	146734	23.407	ug/l	97
67) Ethyl Benzene	12.52	91	602980	23.030	ug/l	100
68) m/p-Xylenes	12.65	106	453367	44.118	ug/l	95
69) o-Xylene	13.04	106	206027	20.396	ug/l	95
70) Styrene	13.07	104	356942	21.640	ug/l	96
71) Bromoform	13.22	173	86201	21.315	ug/l	98
73) Isopropylbenzene	13.39	105	632776	21.599	ug/l	99
74) N-amyl acetate	13.25	43	173032	20.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	114742	20.074	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	112600	19.253	ug/l	99
77) Bromobenzene	13.66	156	167235	22.362	ug/l	91
78) n-propylbenzene	13.77	91	710781	20.724	ug/l	97
79) 2-Chlorotoluene	13.83	91	351297	18.605	ug/l	94
80) 1,3,5-Trimethylbenzene	14.23	105	467263	21.009	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	32257	18.708	ug/l	93
82) 4-Chlorotoluene	13.93	91	445122	19.940	ug/l	93
83) tert-Butylbenzene	14.18	119	516110	21.204	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	467263	21.009	ug/l	98
85) sec-Butylbenzene	14.36	105	650384	21.887	ug/l	98
86) p-Isopropyltoluene	14.48	119	501886	20.663	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	268584	20.112	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	285905	21.787	ug/l	96
89) n-Butylbenzene	14.79	91	488413	20.939	ug/l	97
90) Hexachloroethane	15.00	117	145325	21.189	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	248121	22.287	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13390	19.440	ug/l	86

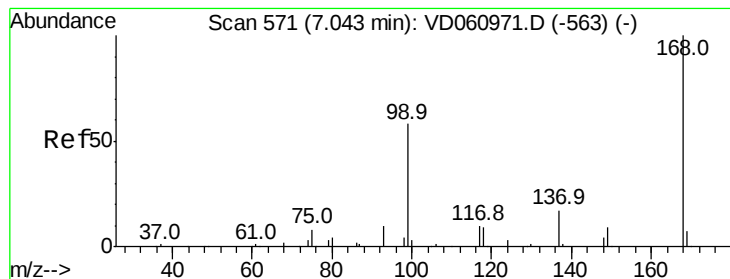
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
Data File : VD061187.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	105703	20.467	ug/l	99
94) Hexachlorobutadiene	16.03	225	79087	20.246	ug/l	98
95) Naphthalene	16.12	128	173927	22.162	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	46840	18.363	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

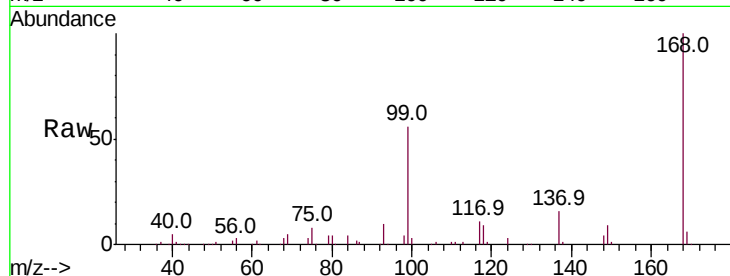
VD0319SBS01

Tot Ion:168 Resp: 638637

Ion Ratio Lower Upper

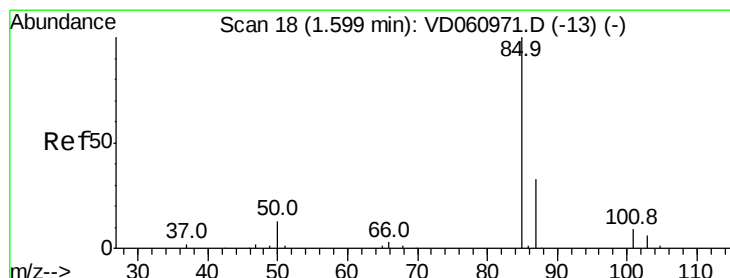
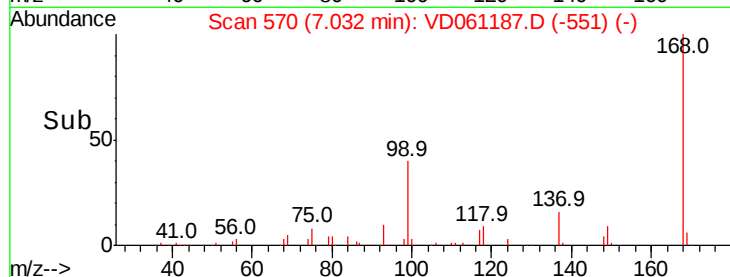
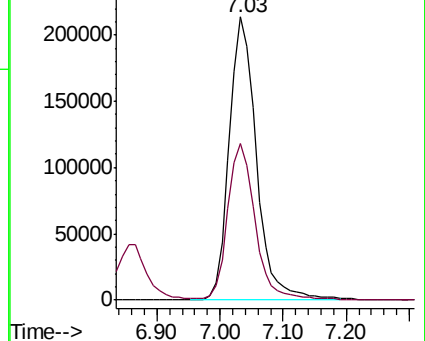
168 100

99 55.6 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: 19.617 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061187.D

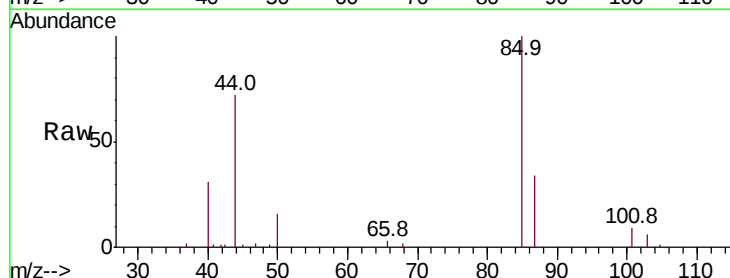
Acq: 19 Mar 2019 16:11

Tgt Ion: 85 Resp: 124101

Ion Ratio Lower Upper

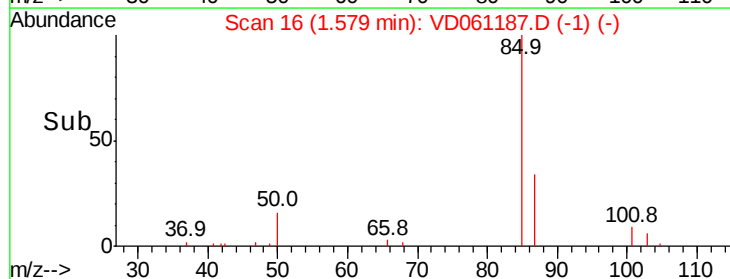
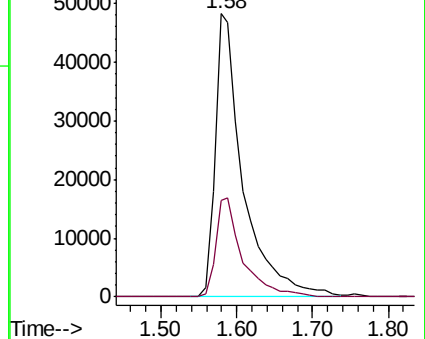
85 100

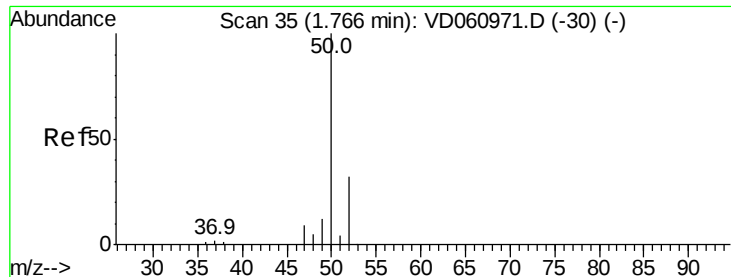
87 34.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.055 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

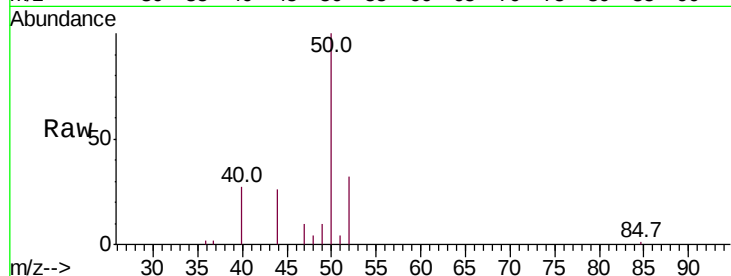
VD0319SBSD01

Tot Ion: 50 Resp: 116227

Ion Ratio Lower Upper

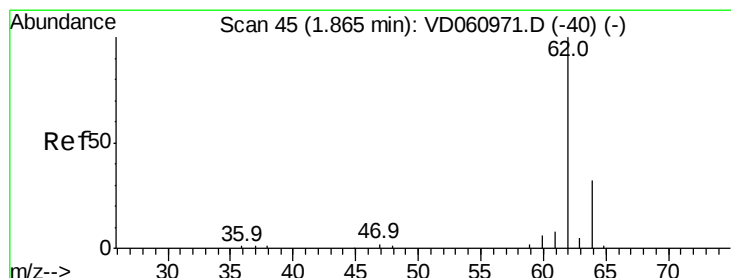
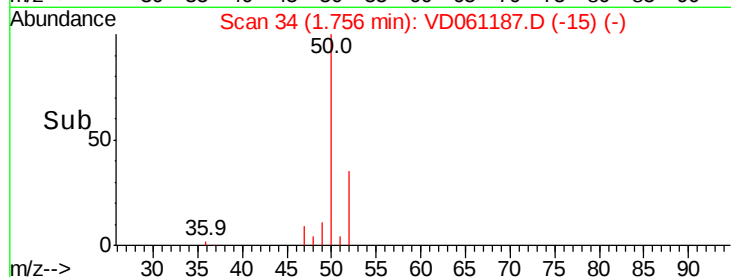
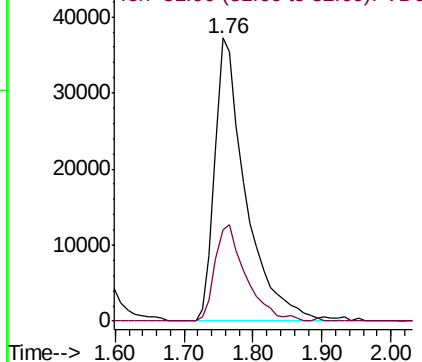
50 100

52 32.1 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: 22.533 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061187.D

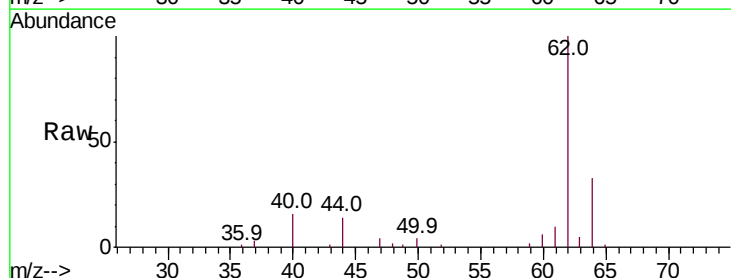
Acq: 19 Mar 2019 16:11

Tgt Ion: 62 Resp: 109722

Ion Ratio Lower Upper

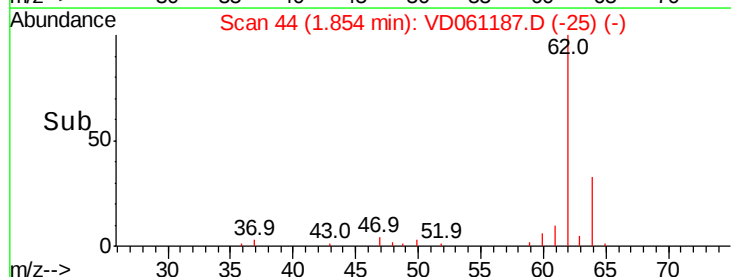
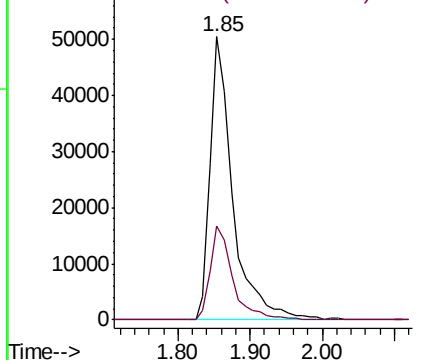
62 100

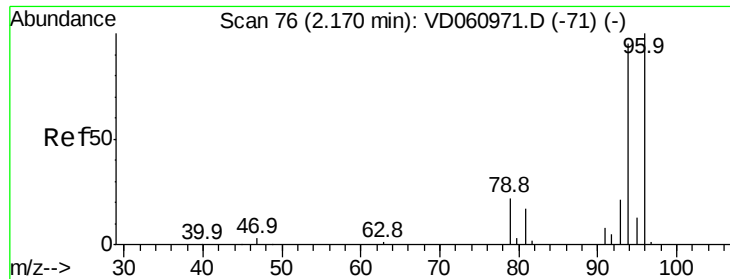
64 33.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.350 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBSD01

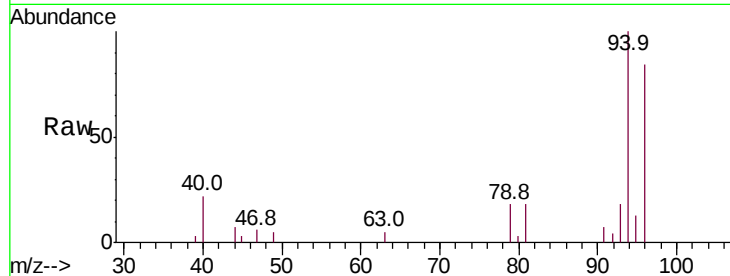
Tot Ion: 94 Resp: 17298

Ion Ratio Lower Upper

94 100

96 83.5 84.0 126.0#

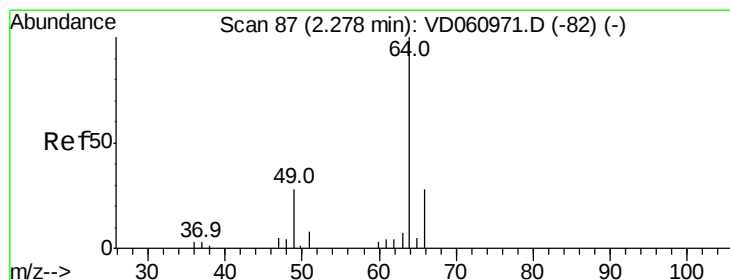
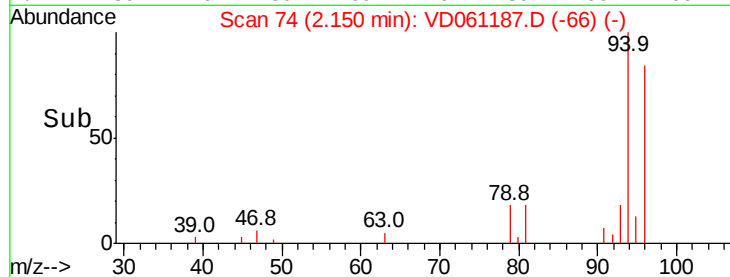
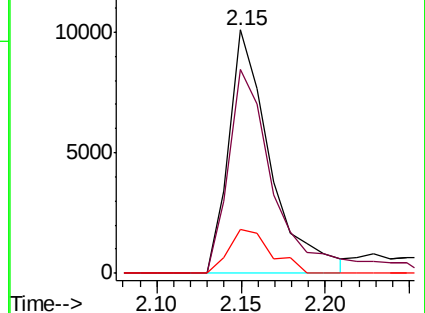
93 18.2 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.128 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061187.D

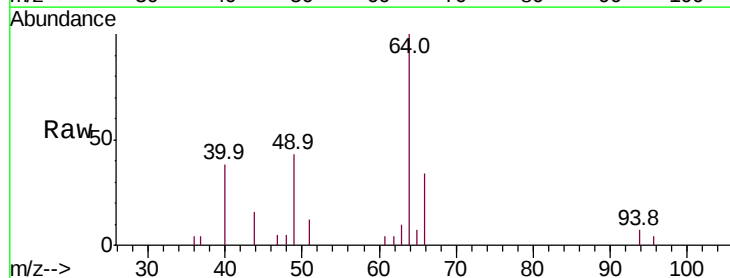
Acq: 19 Mar 2019 16:11

Tgt Ion: 64 Resp: 29338

Ion Ratio Lower Upper

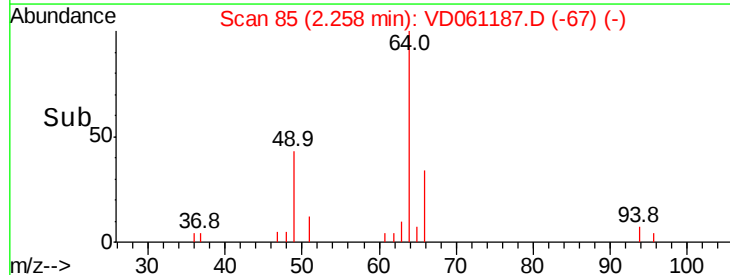
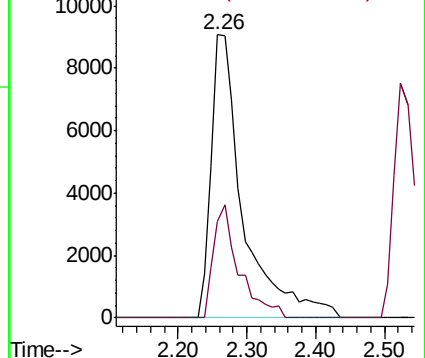
64 100

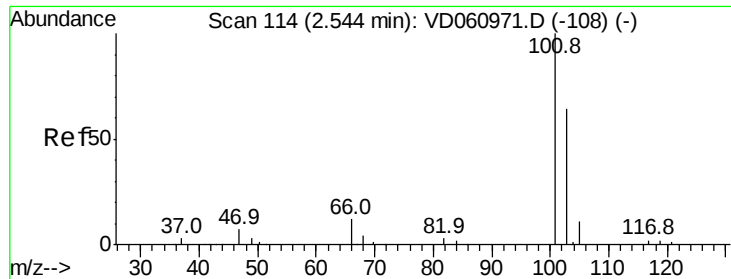
66 34.0 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



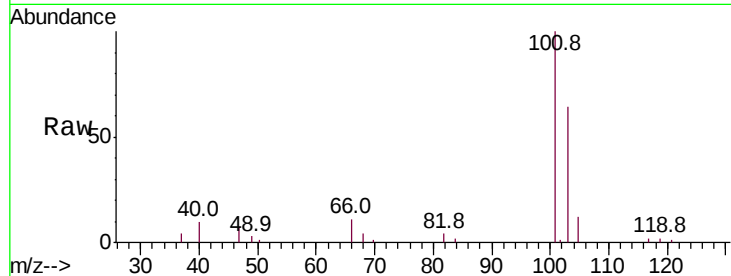


#7

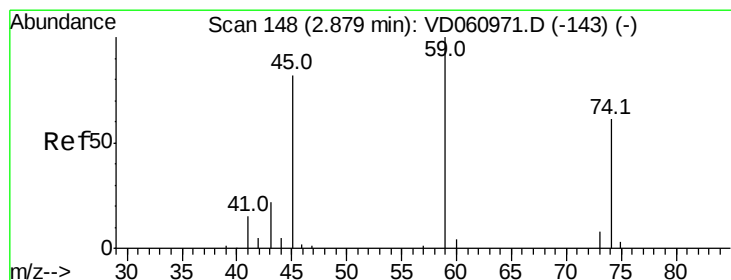
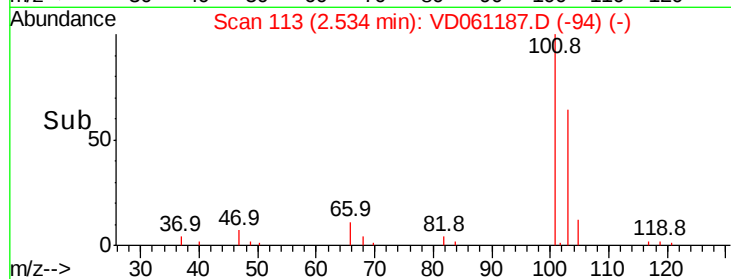
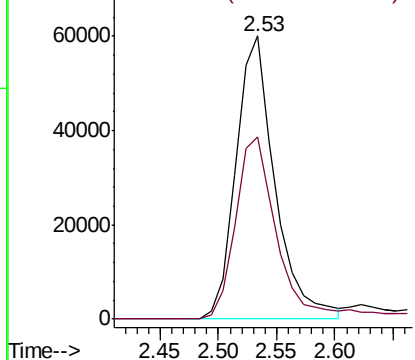
Trichlorofluoromethane
Concen: 19.882 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

Tot Ion:101 Resp: 139080
Ion Ratio Lower Upper
101 100
103 64.5 51.2 76.8



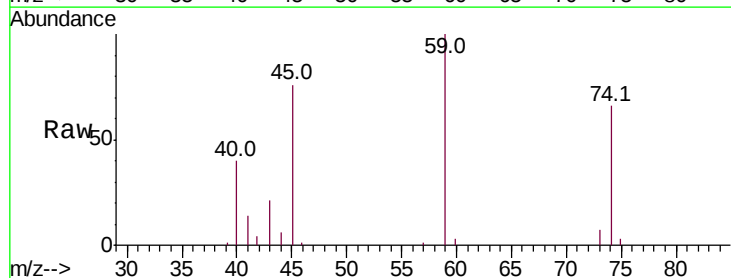
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



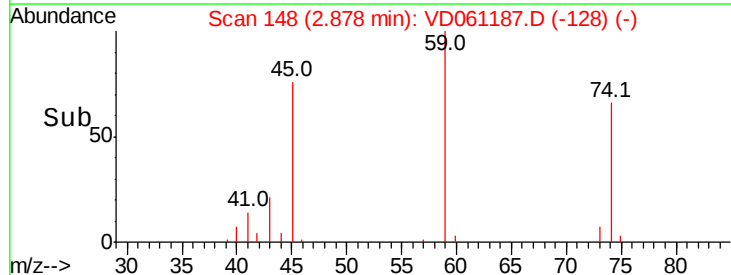
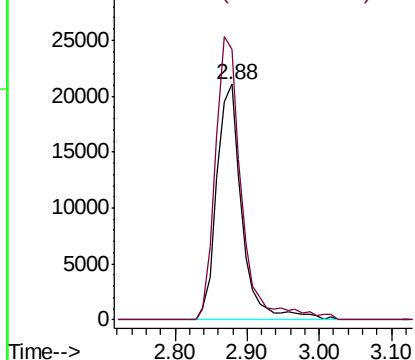
#8

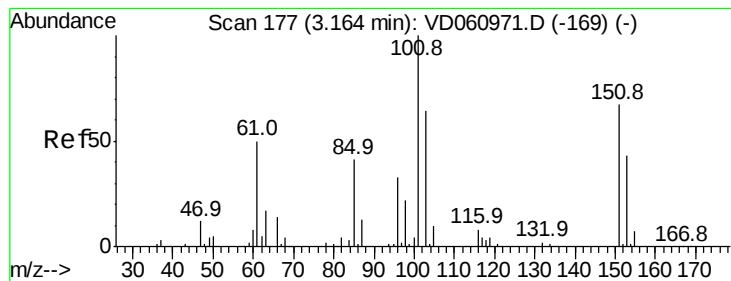
Diethyl Ether
Concen: 22.058 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 74 Resp: 50903
Ion Ratio Lower Upper
74 100
45 114.8 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.104 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBSD01

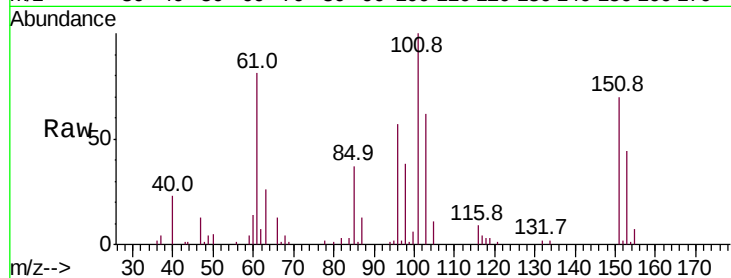
Tot Ion:101 Resp: 172870

Ion Ratio Lower Upper

101 100

85 37.5 32.5 48.7

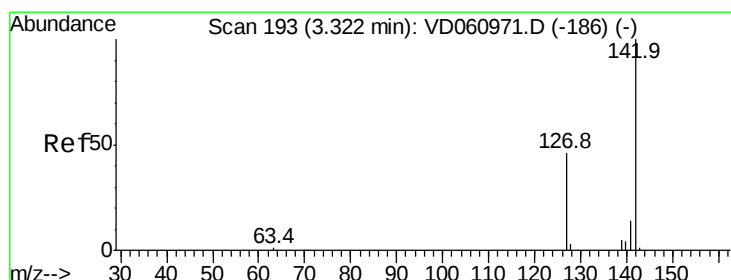
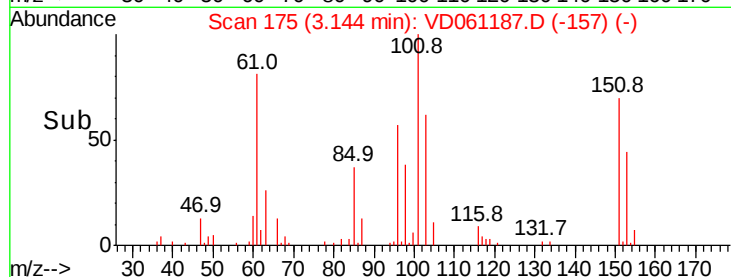
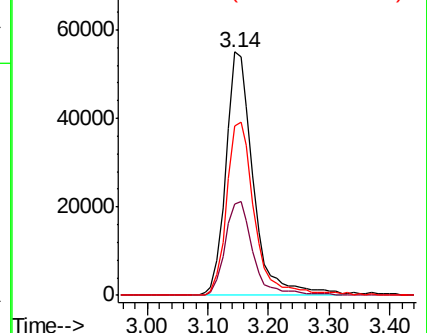
151 69.8 53.3 79.9



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: 21.617 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

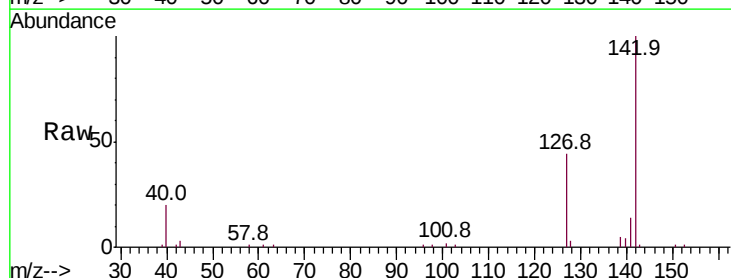
Tgt Ion:142 Resp: 213763

Ion Ratio Lower Upper

142 100

127 44.1 36.8 55.2

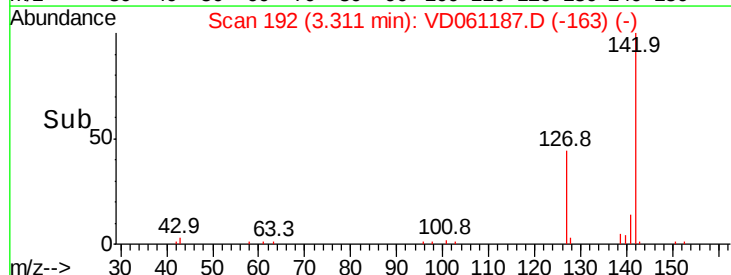
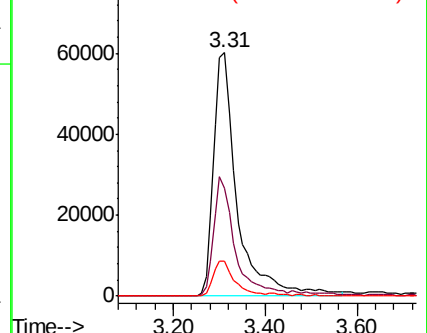
141 14.5 11.2 16.8

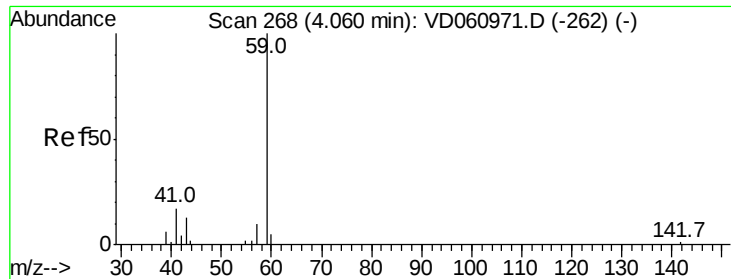


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

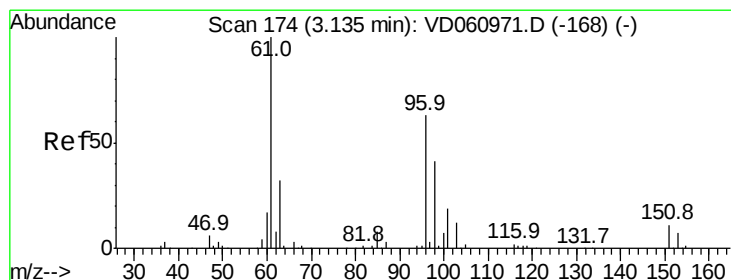
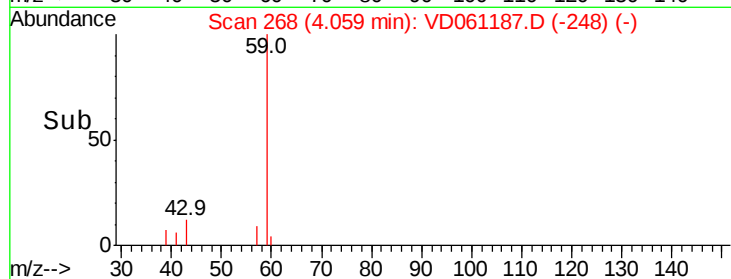
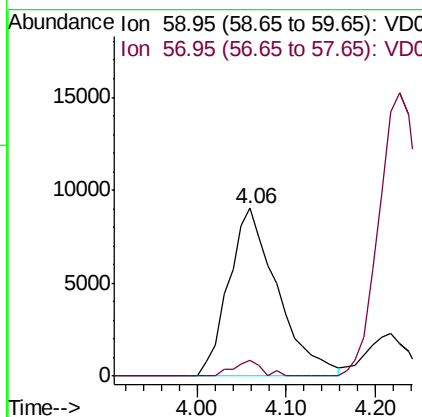
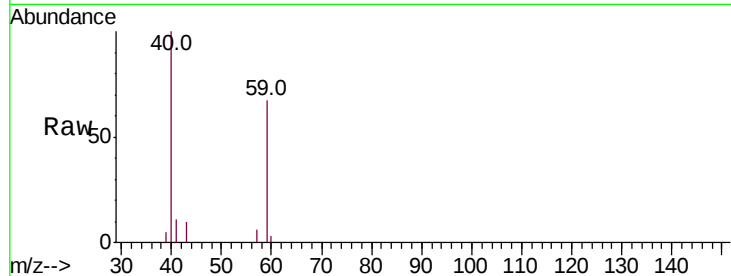




#11
Tert butyl alcohol
Concen: 101.811 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

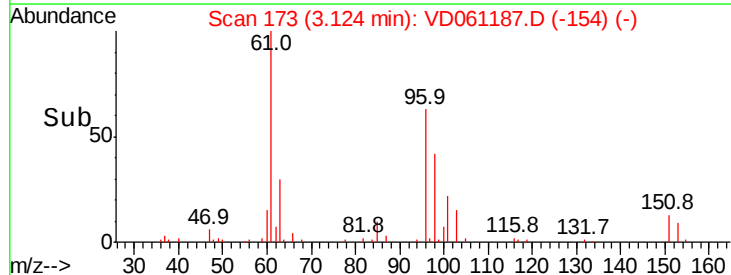
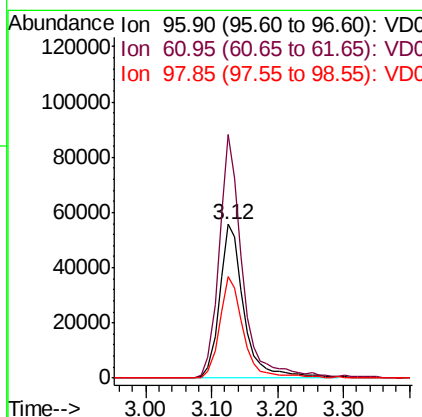
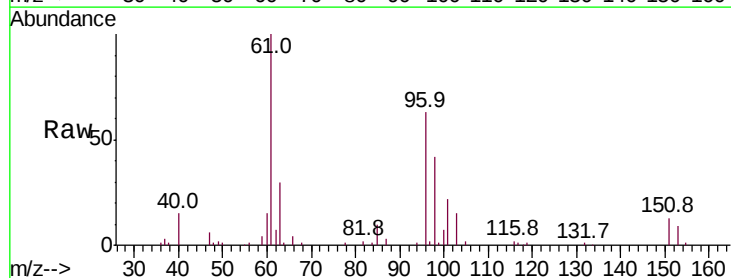
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

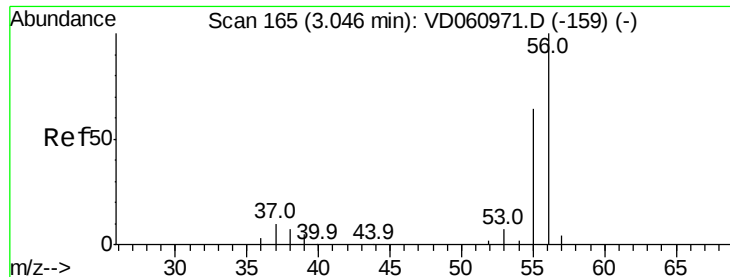
Tot Ion: 59 Resp: 34455
Ion Ratio Lower Upper
59 100
57 9.5 7.1 10.7



#12
1,1-Dichloroethene
Concen: 22.296 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 96 Resp: 142933
Ion Ratio Lower Upper
96 100
61 158.4 127.1 190.7
98 65.9 51.5 77.3





#13

Acrolein

Concen: 72.895 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

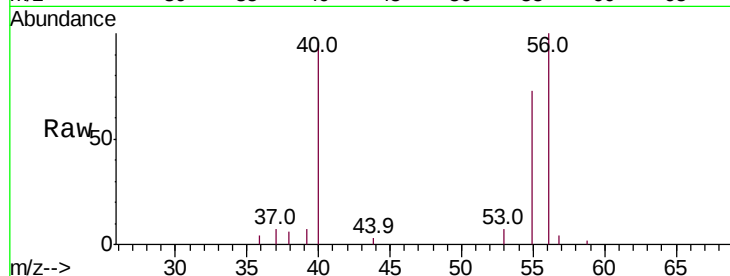
VD0319SBSD01

Tot Ion: 56 Resp: 35694

Ion Ratio Lower Upper

56 100

55 72.6 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

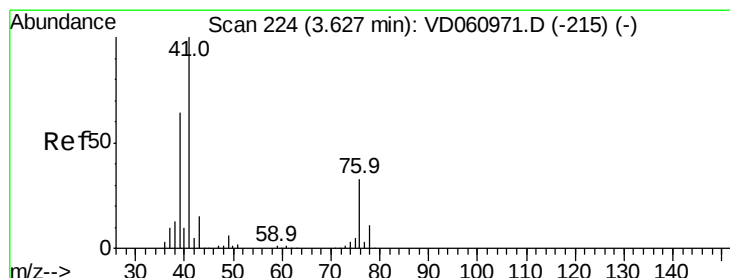
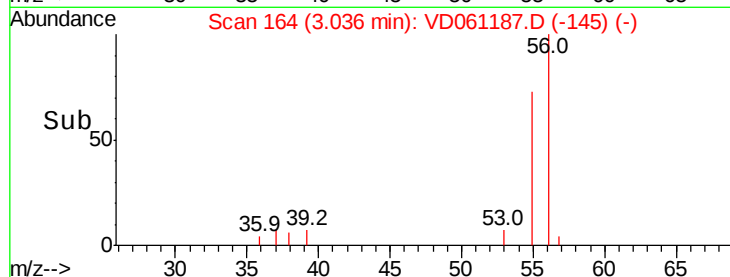
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.998 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

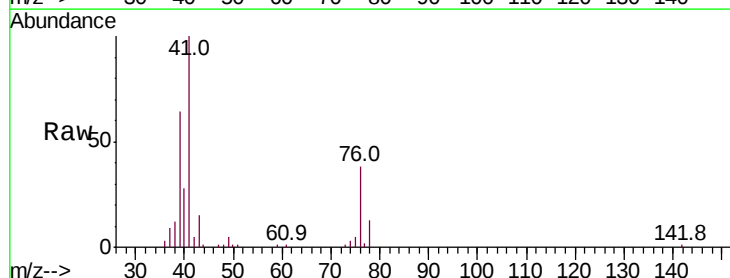
Tgt Ion: 41 Resp: 215372

Ion Ratio Lower Upper

41 100

39 64.4 51.1 76.7

76 38.1 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

100000

80000

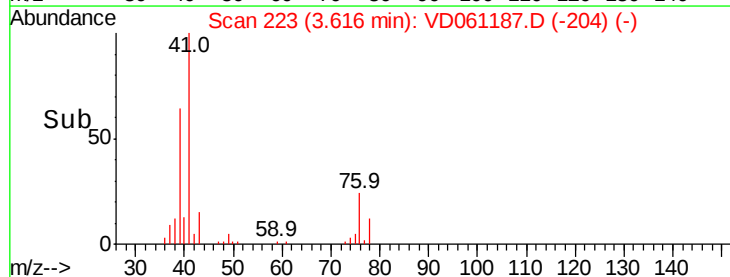
60000

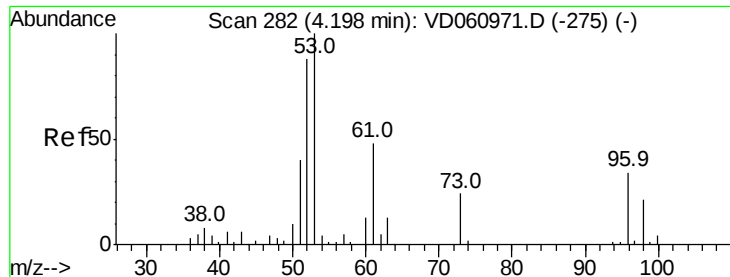
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 113.420 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

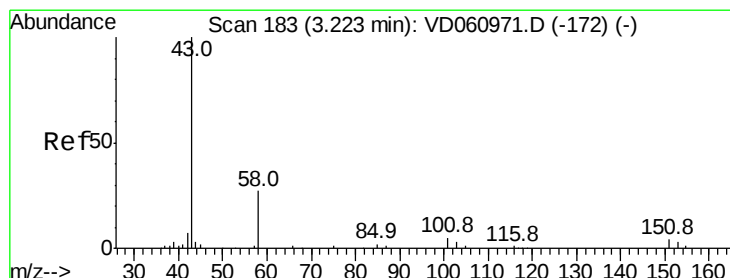
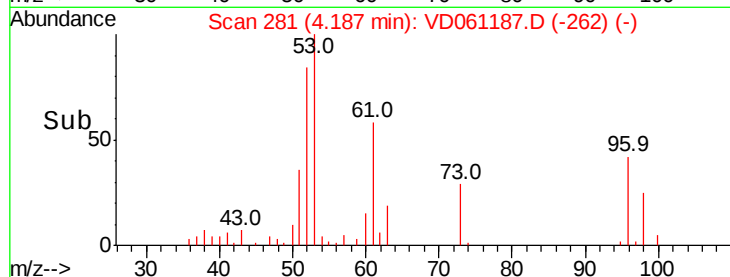
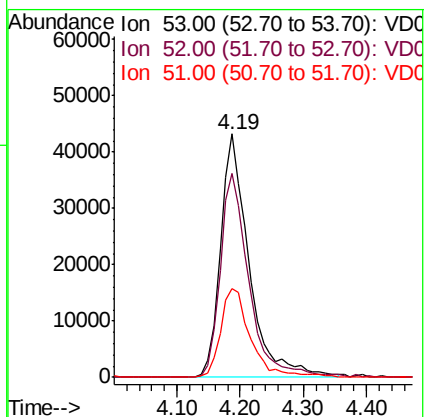
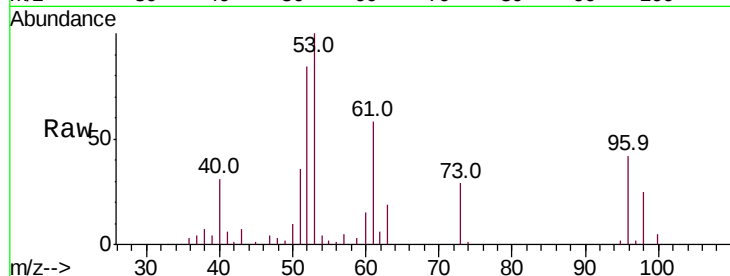
Tot Ion: 53 Resp: 135661

Ion Ratio Lower Upper

53 100

52 83.8 70.2 105.4

51 36.3 31.7 47.5



#16

Acetone

Concen: 93.945 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061187.D

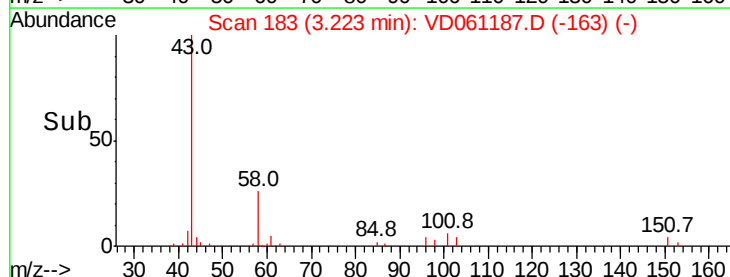
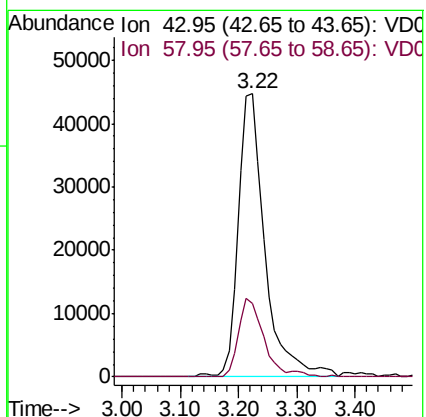
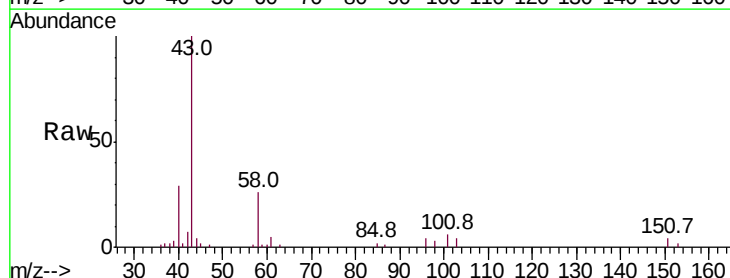
Acq: 19 Mar 2019 16:11

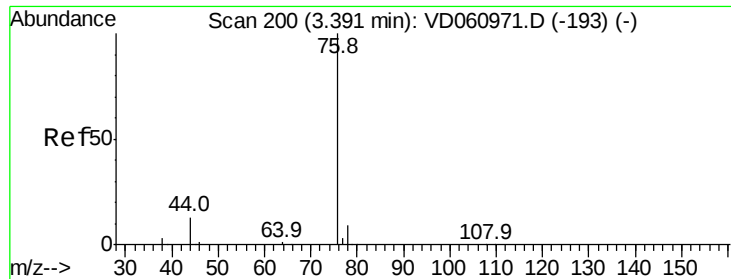
Tgt Ion: 43 Resp: 142809

Ion Ratio Lower Upper

43 100

58 26.1 21.6 32.4

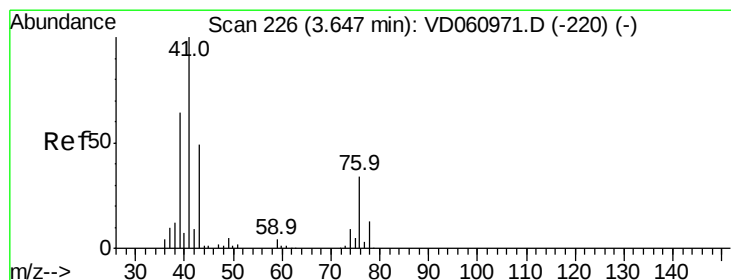
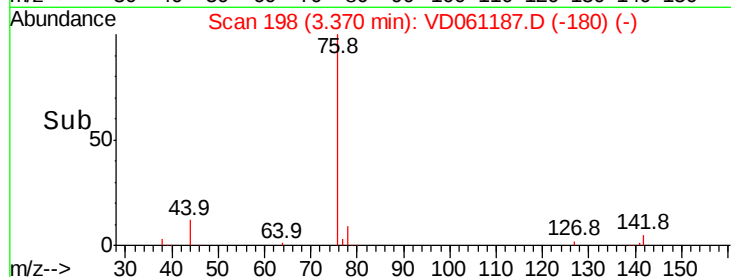
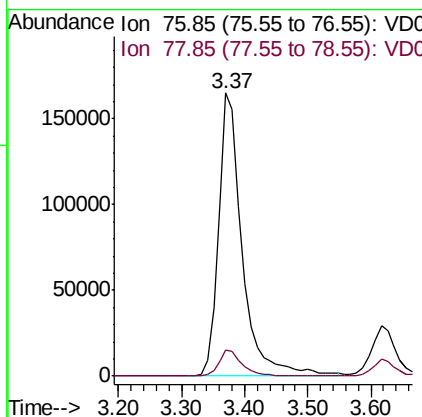
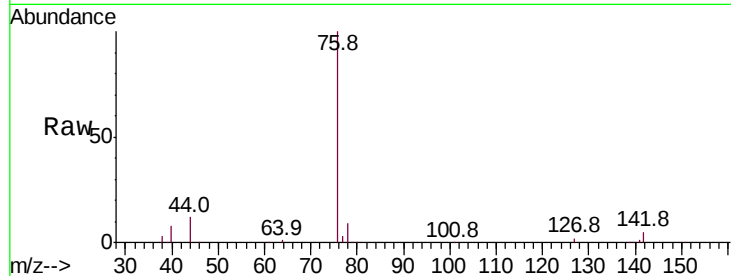




#17
Carbon Disulfide
Concen: 20.061 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

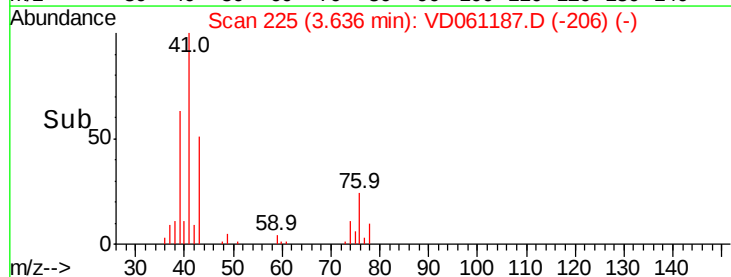
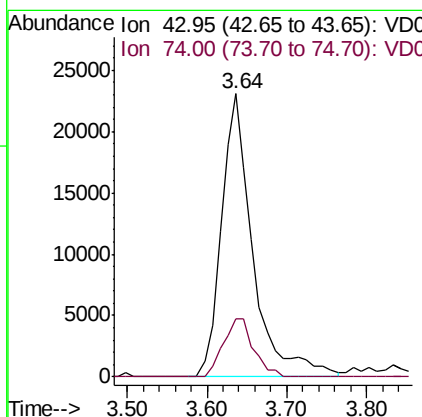
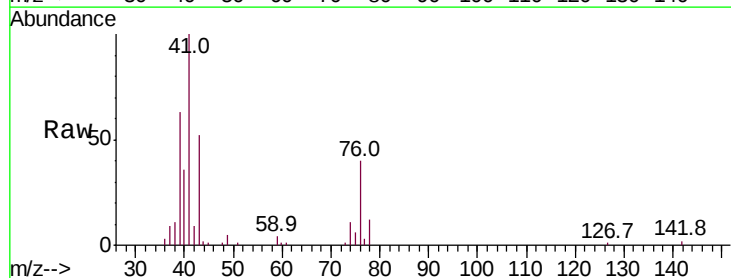
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

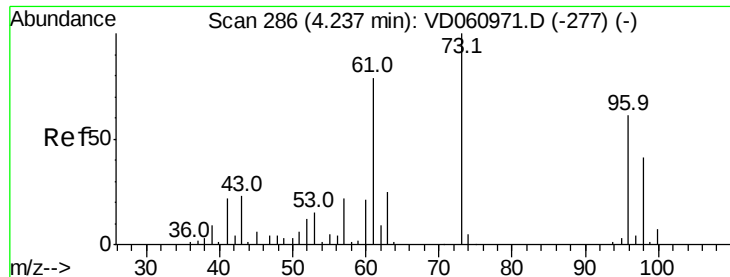
Tot Ion: 76 Resp: 433828
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 21.256 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 43 Resp: 63590
Ion Ratio Lower Upper
43 100
74 20.4 14.6 21.8

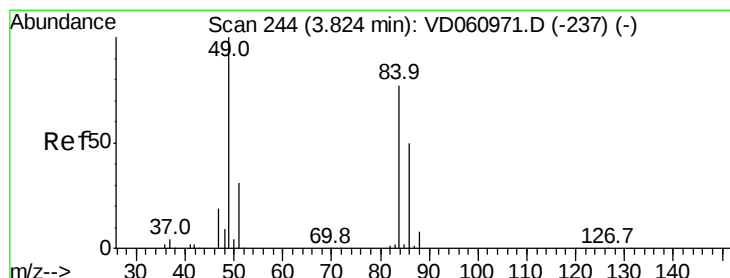
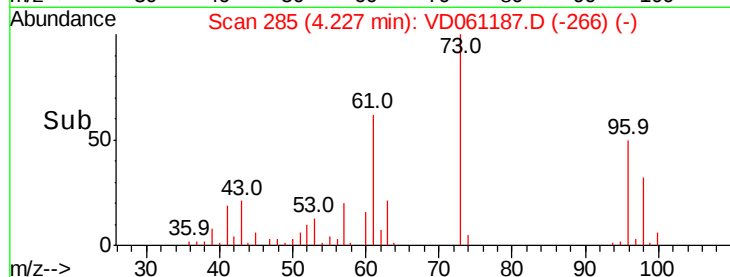
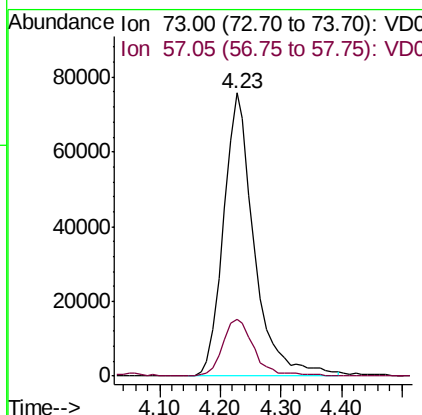
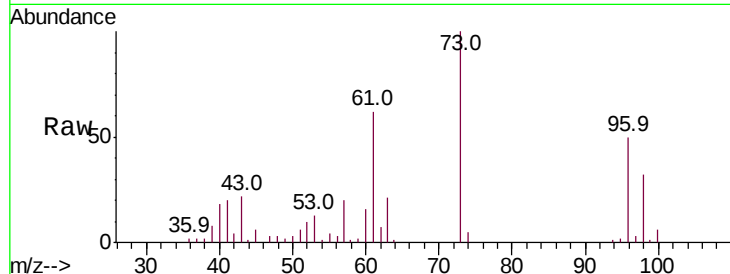




#19
Methvl tert-butvl Ether
Concen: 23.663 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

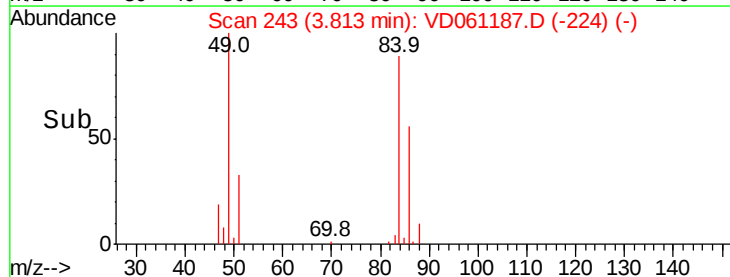
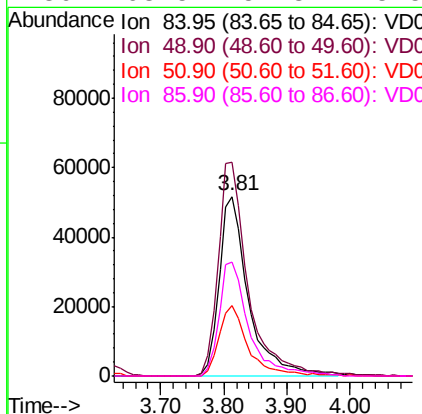
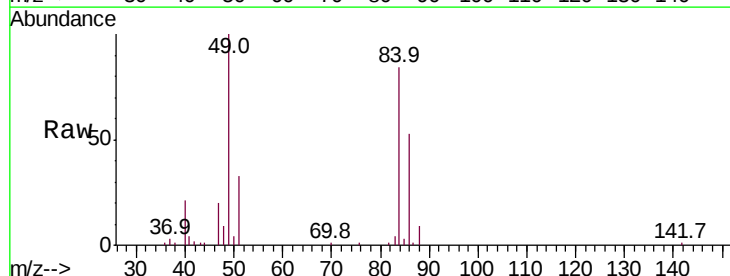
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

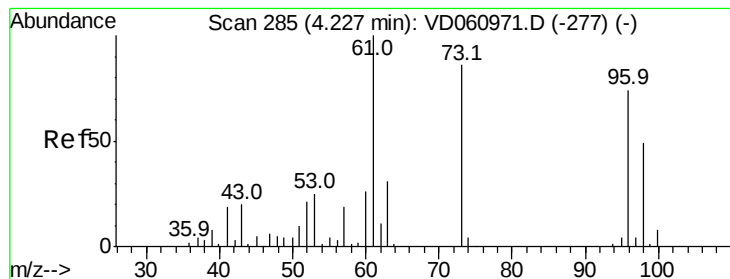
Tot Ion: 73 Resp: 265846
Ion Ratio Lower Upper
73 100
57 20.1 17.7 26.5



#20
Methylene Chloride
Concen: 21.641 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 84 Resp: 168330
Ion Ratio Lower Upper
84 100
49 118.9 104.2 156.2
51 38.9 32.3 48.5
86 63.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 22.397 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

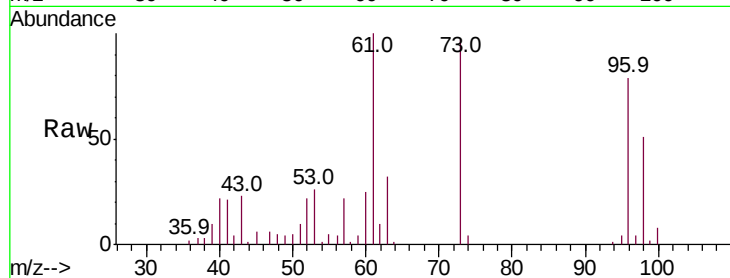
Tot Ion: 96 Resp: 155403

Ion Ratio Lower Upper

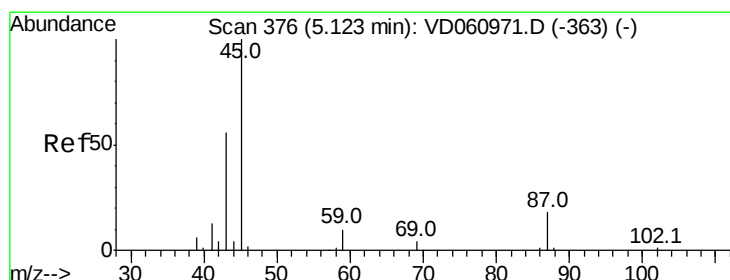
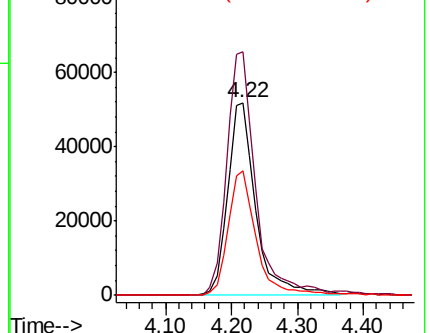
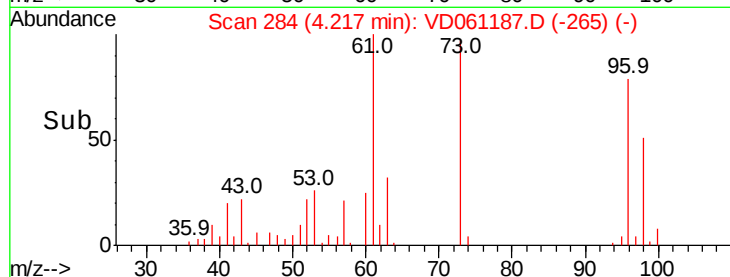
96 100

61 126.2 108.4 162.6

98 64.9 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: 21.872 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Tgt Ion: 45 Resp: 465716

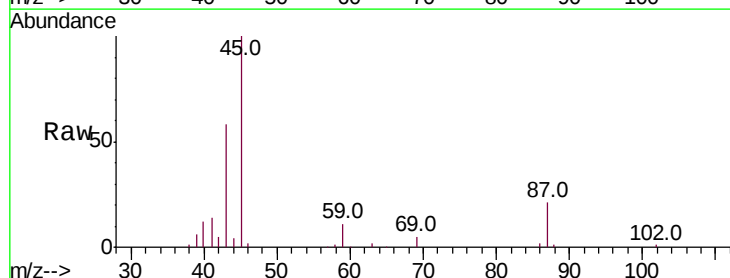
Ion Ratio Lower Upper

45 100

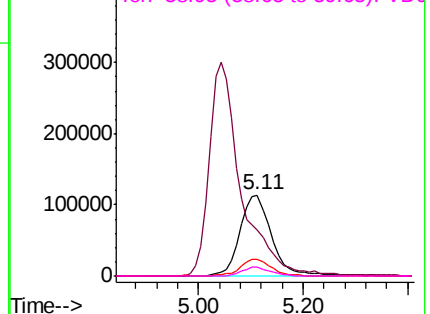
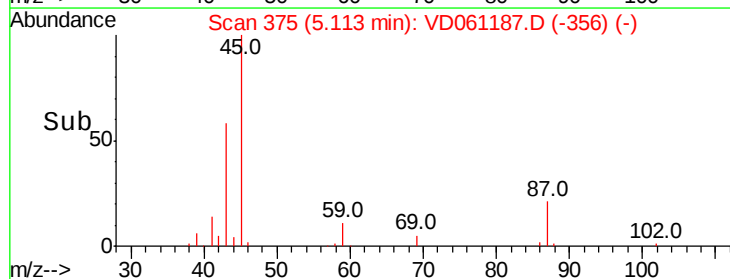
43 57.9 45.8 68.8

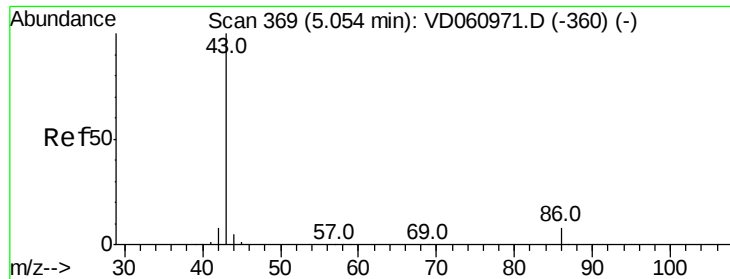
87 20.9 14.9 22.3

59 11.1 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: 114.346 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

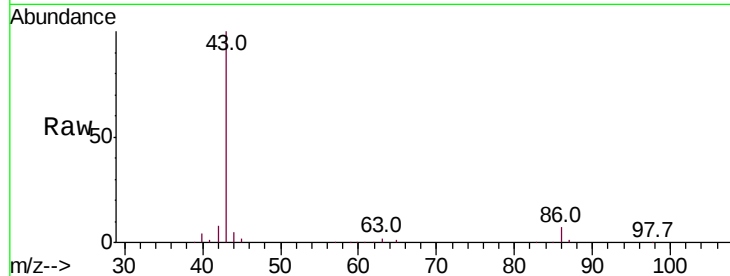
VD0319SBS01

Tot Ion: 43 Resp: 1249842

Ion Ratio Lower Upper

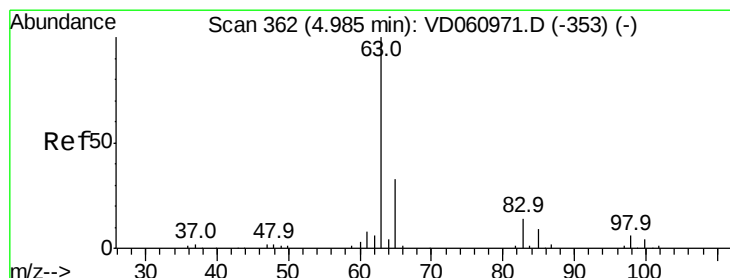
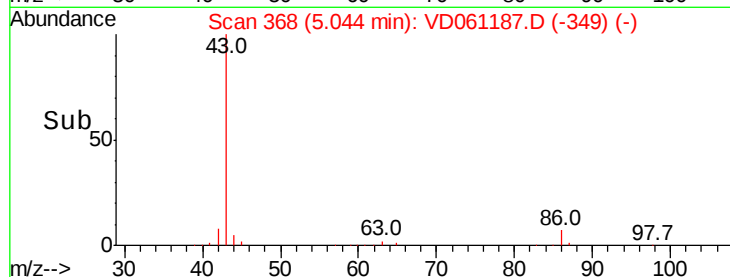
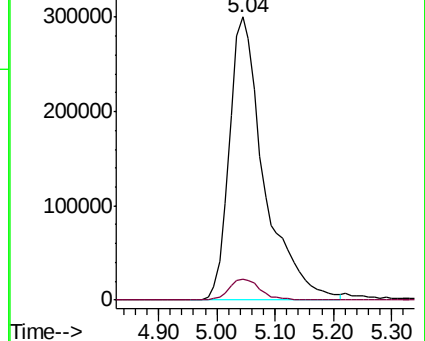
43 100

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: 21.913 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

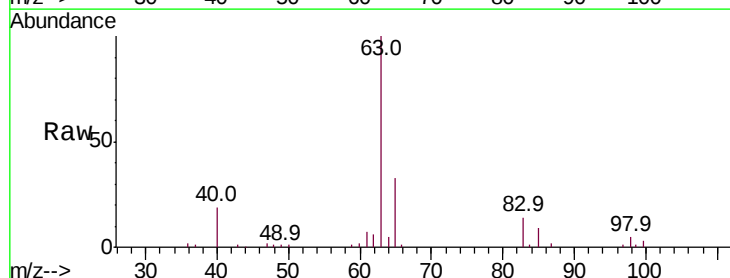
Tgt Ion: 63 Resp: 255636

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

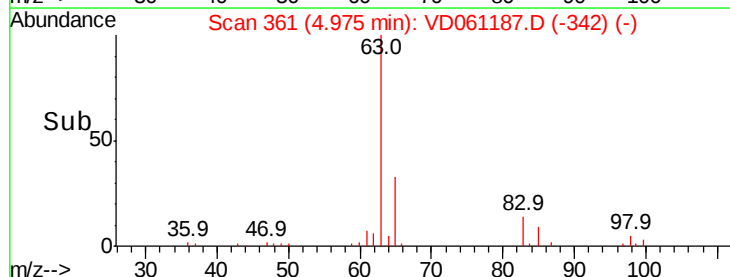
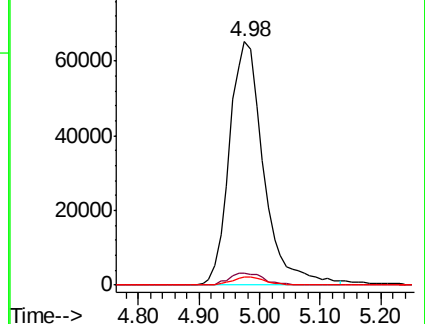
100 3.5 2.0 5.8

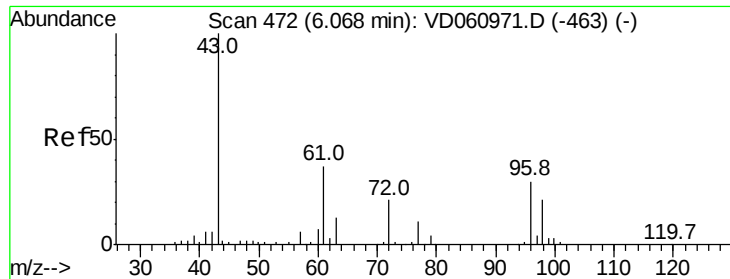


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 112.140 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

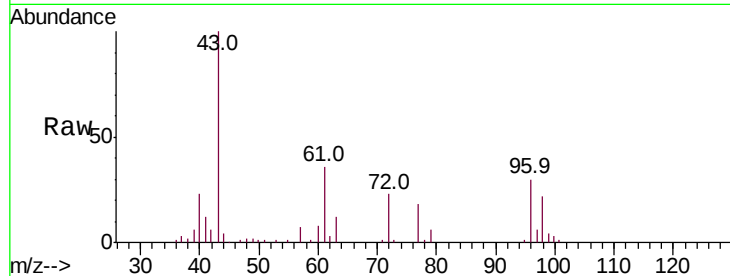
VD0319SBSD01

Tot Ion: 43 Resp: 193434

Ion Ratio Lower Upper

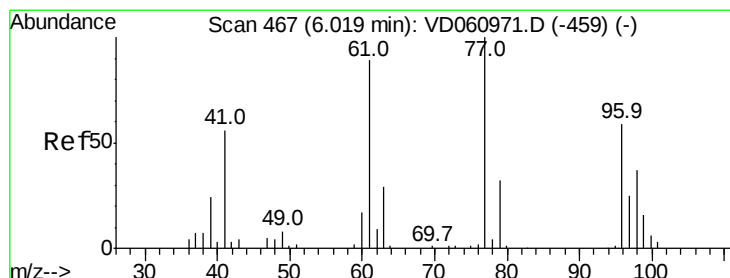
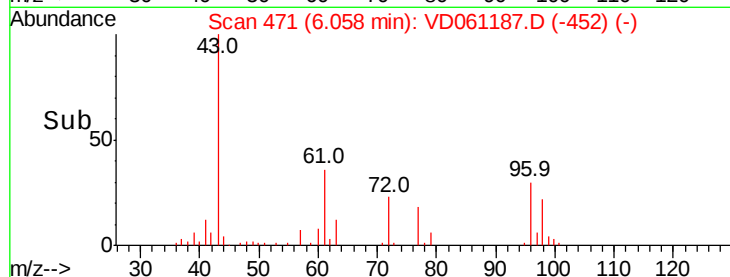
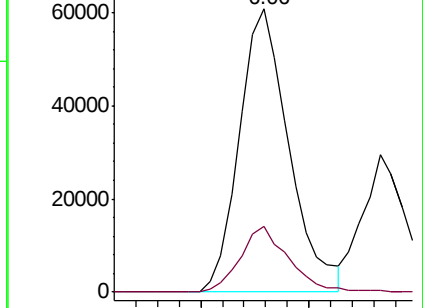
43 100

72 23.3 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: 23.016 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061187.D

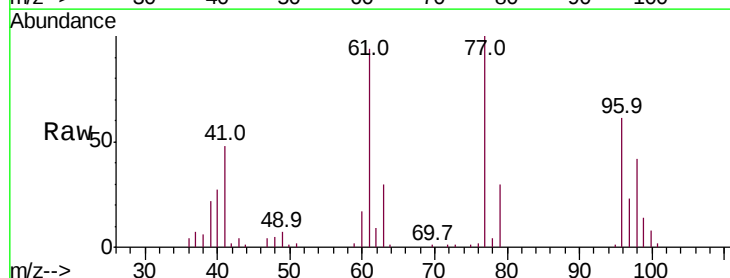
Acq: 19 Mar 2019 16:11

Tgt Ion: 77 Resp: 209614

Ion Ratio Lower Upper

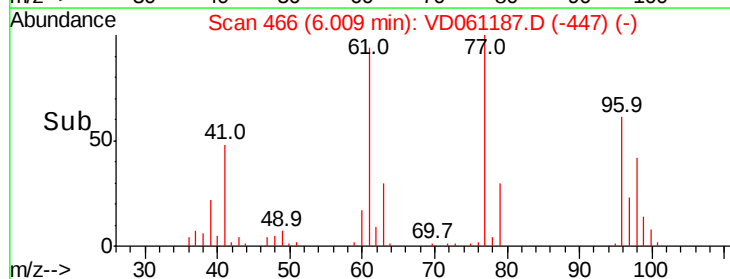
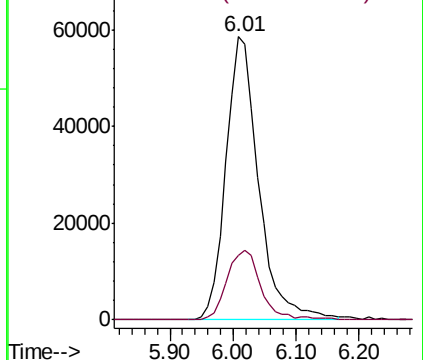
77 100

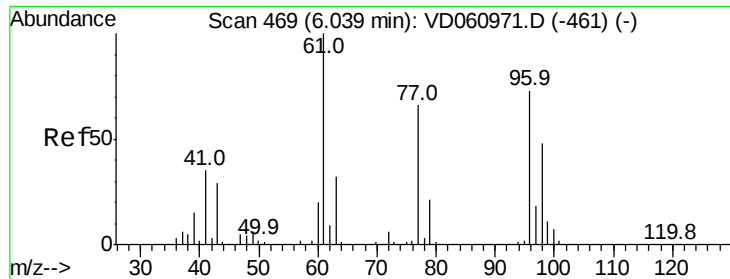
97 22.6 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



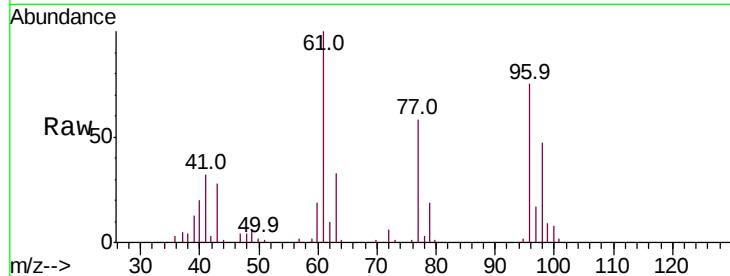


#27

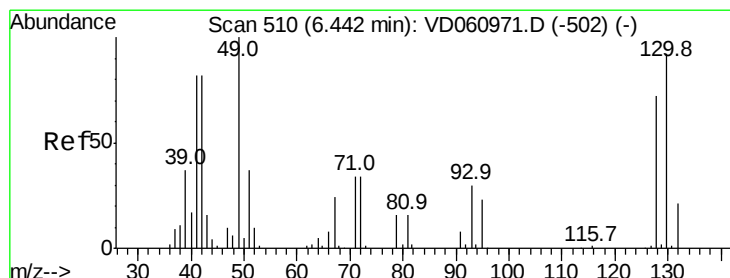
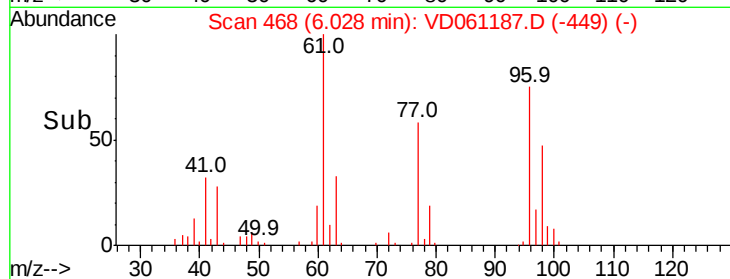
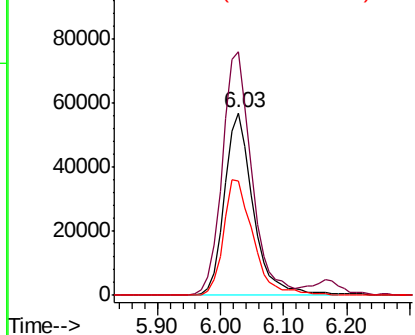
cis-1,2-Dichloroethene
 Concen: 24.448 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

Tot Ion: 96 Resp: 179982
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 273.6
 98 62.6 0.0 132.6



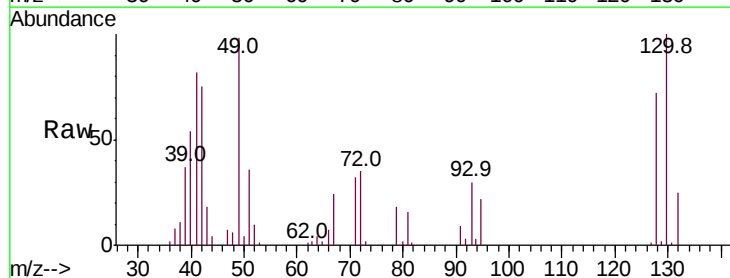
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



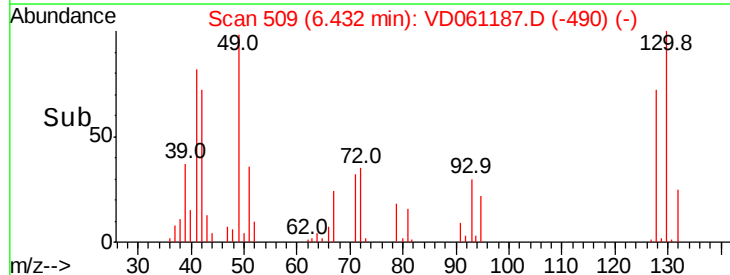
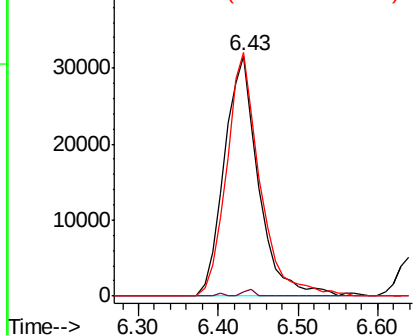
#28

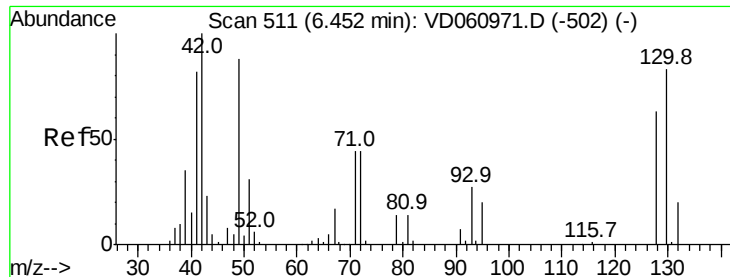
Bromochloromethane
 Concen: 19.147 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Tgt Ion: 49 Resp: 94561
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 101.5 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 100.726 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

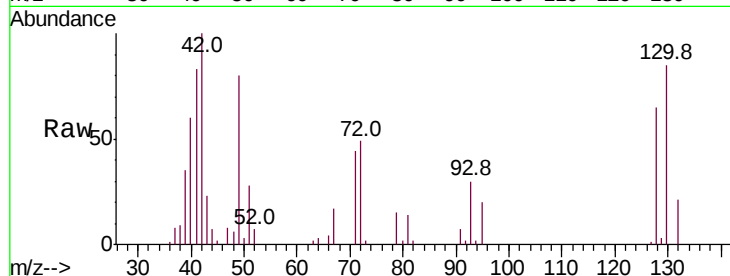
Tot Ion: 42 Resp: 94344

Ion Ratio Lower Upper

42 100

72 45.7 34.5 51.7

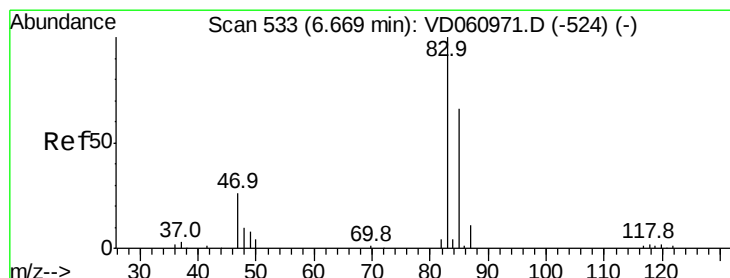
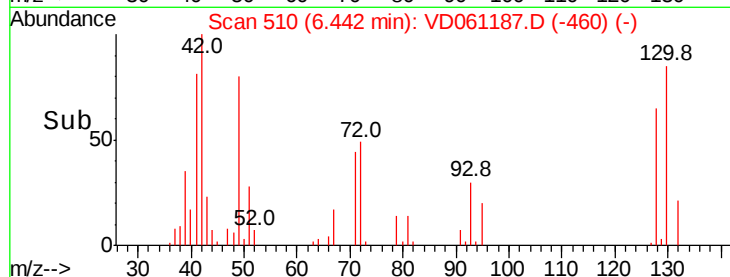
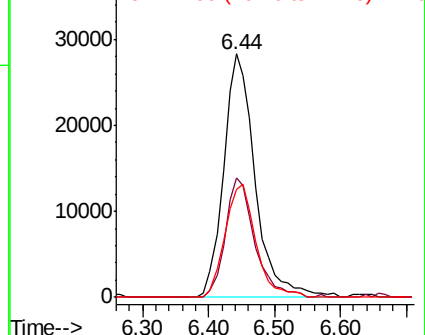
71 45.3 33.8 50.6



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: 21.379 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD061187.D

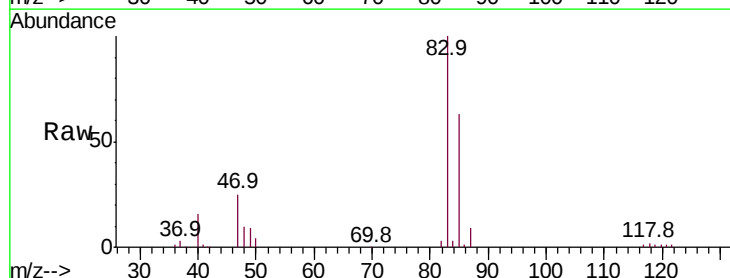
Acq: 19 Mar 2019 16:11

Tgt Ion: 83 Resp: 258488

Ion Ratio Lower Upper

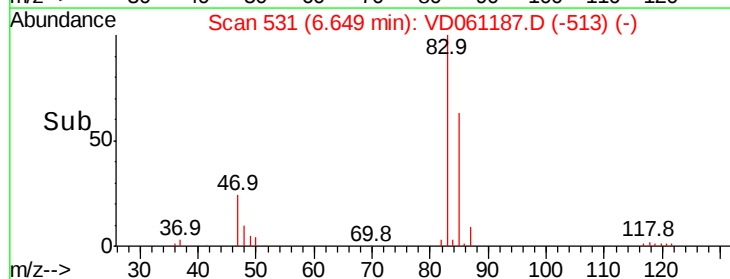
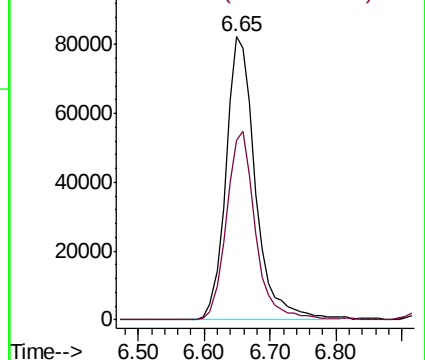
83 100

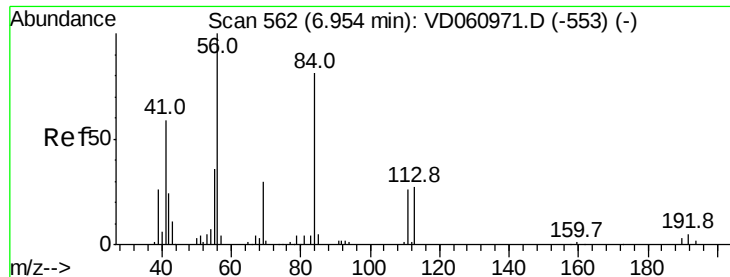
85 63.3 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

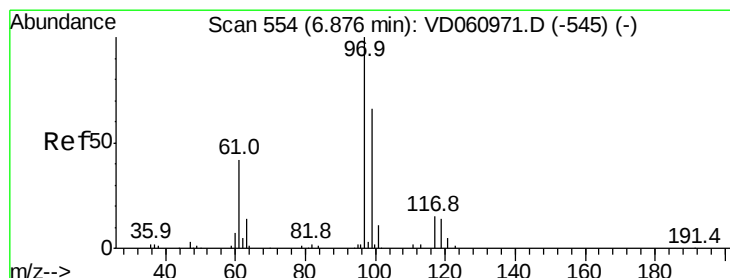
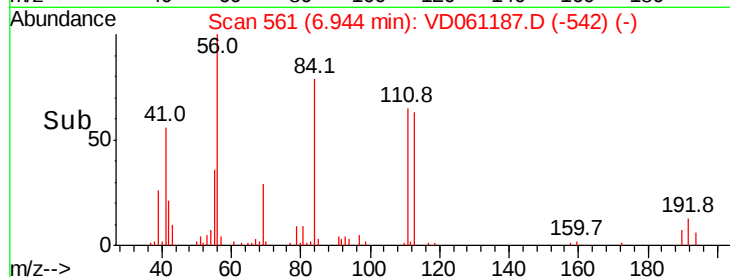
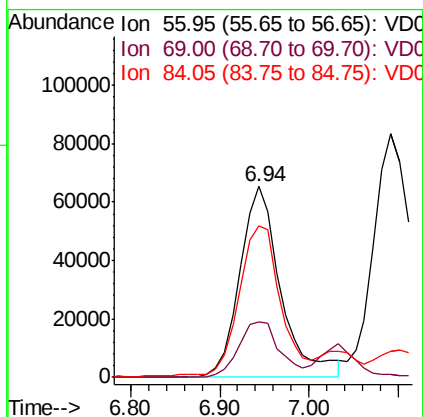
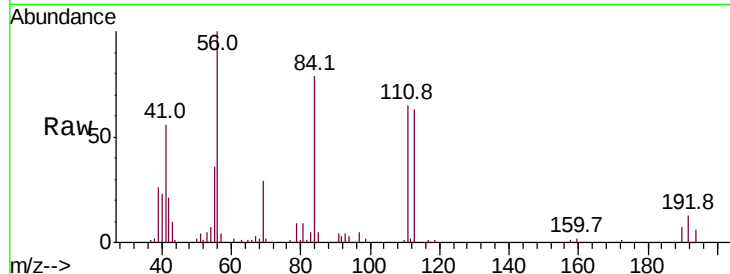




#31
Cyclohexane
Concen: 22.065 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

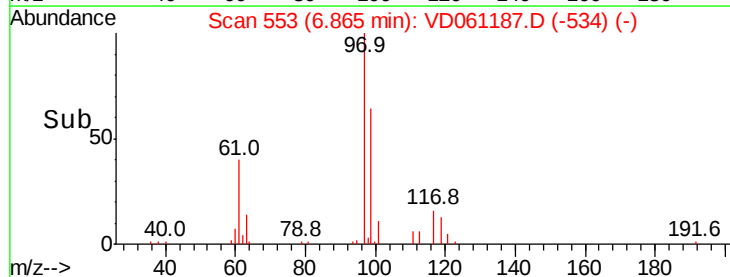
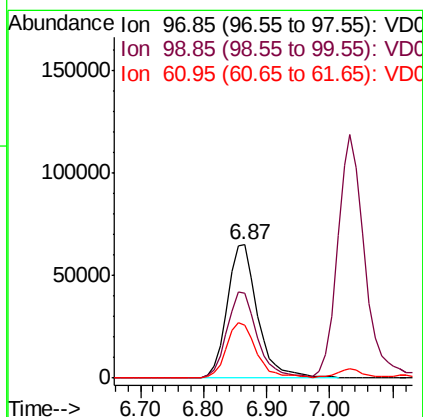
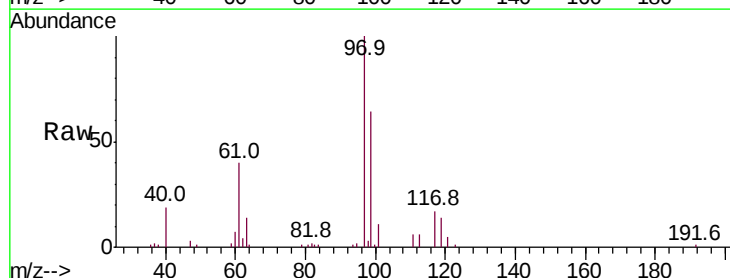
Instrument :
MSVOA_D
ClientSampleID :
VD0319SBSD01

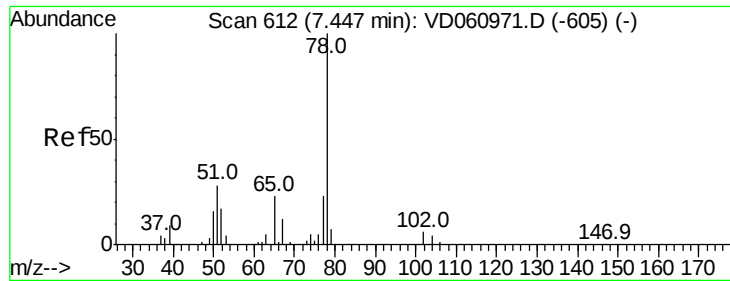
Tot Ion: 56 Resp: 207564
Ion Ratio Lower Upper
56 100
69 29.2 24.0 36.0
84 79.2 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 20.775 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 97 Resp: 217166
Ion Ratio Lower Upper
97 100
99 64.0 53.2 79.8
61 39.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 20.775 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

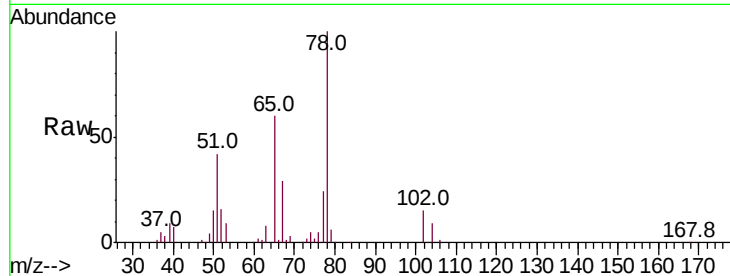
VD0319SBS01

Tot Ion: 65 Resp: 279252

Ion Ratio Lower Upper

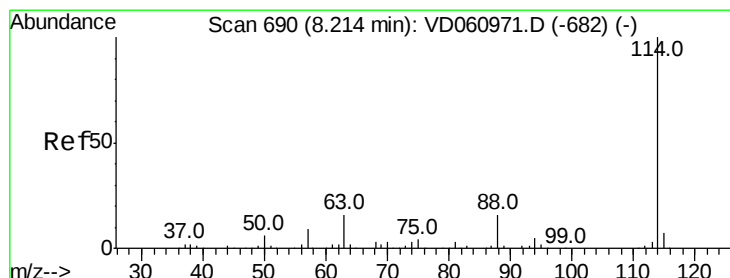
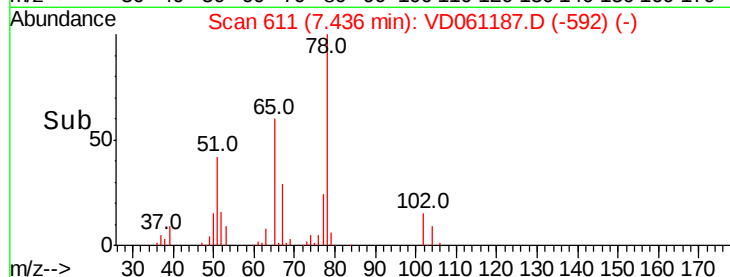
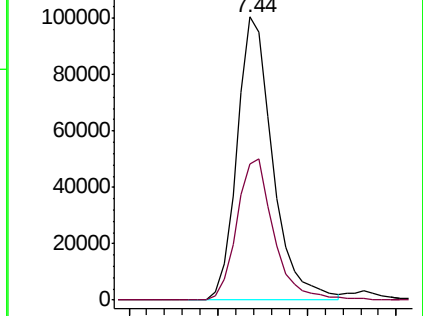
65 100

67 48.2 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: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

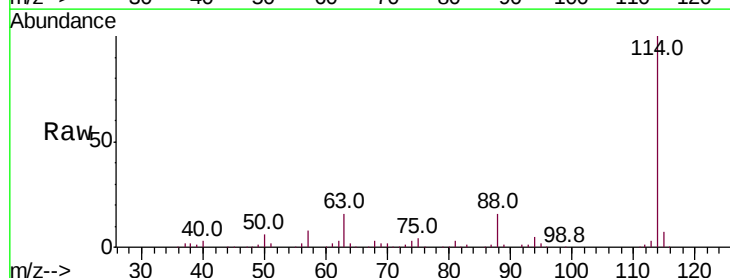
Tgt Ion:114 Resp: 1132861

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

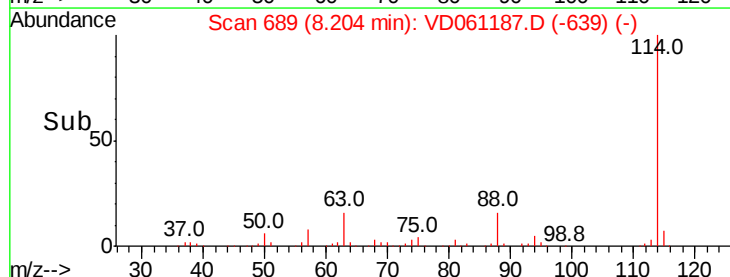
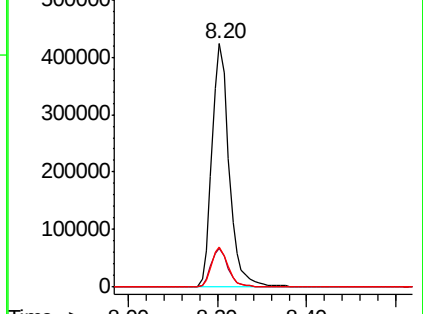
88 16.3 0.0 33.0

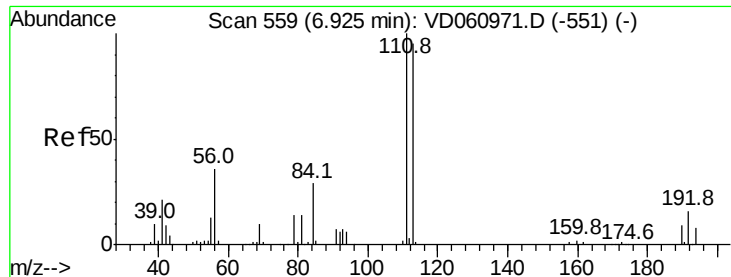


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

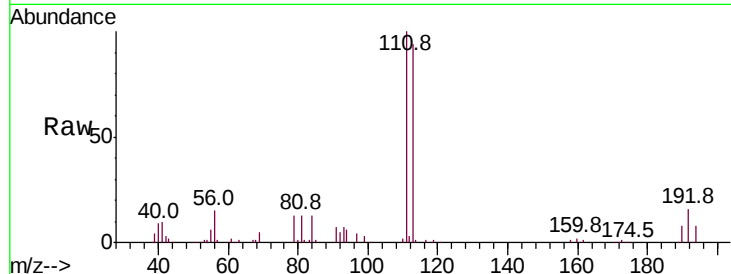




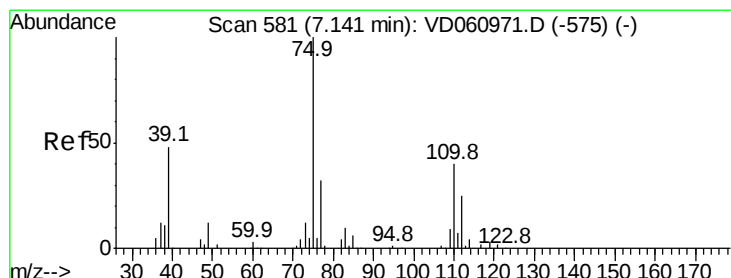
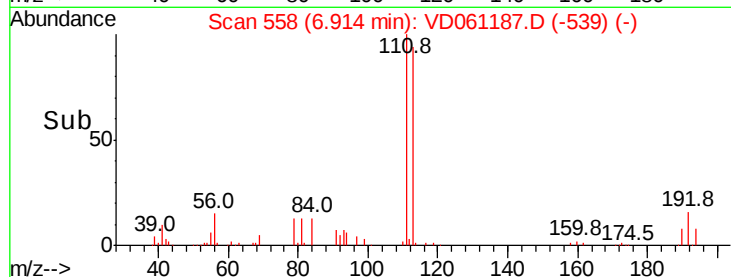
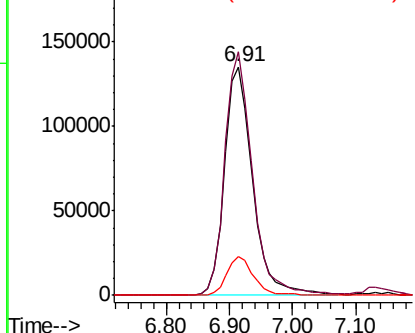
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.7	84.2	126.4
192	16.9	13.1	19.7

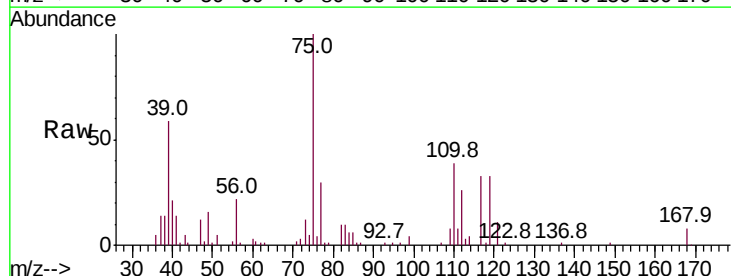


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

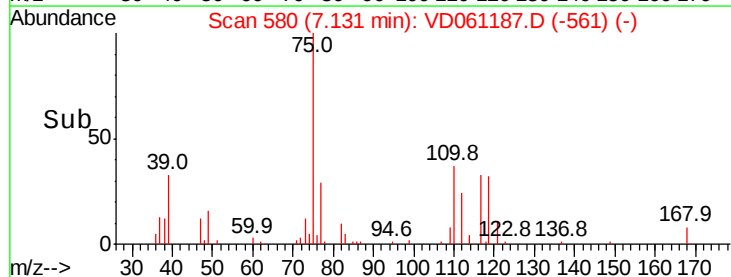
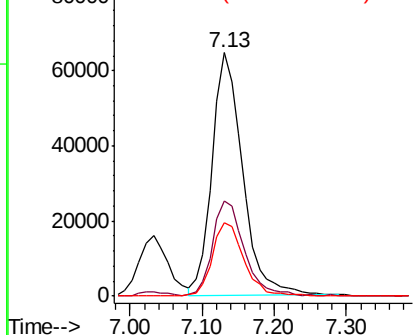


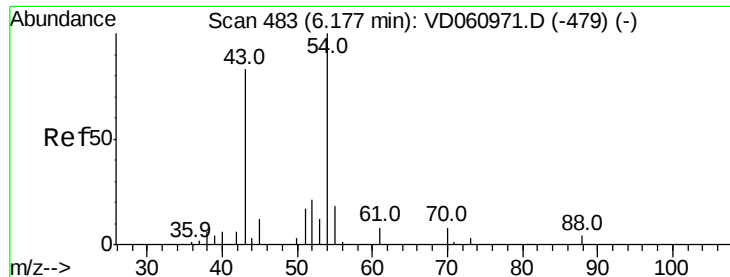
#36
 1,1-Dichloropropene
 Concen: 19.373 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.7	59.1
77	30.2	24.7	37.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 19.079 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

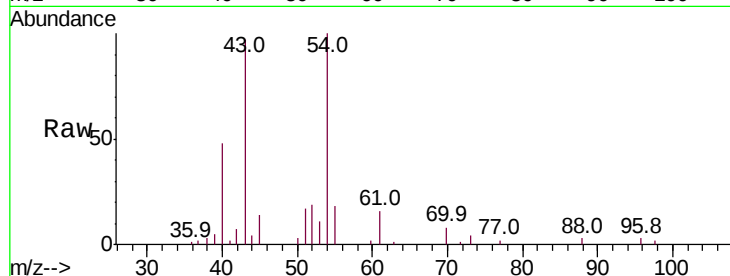
Tot Ion: 43 Resp: 87426

Ion Ratio Lower Upper

43 100

61 16.3 13.7 20.5

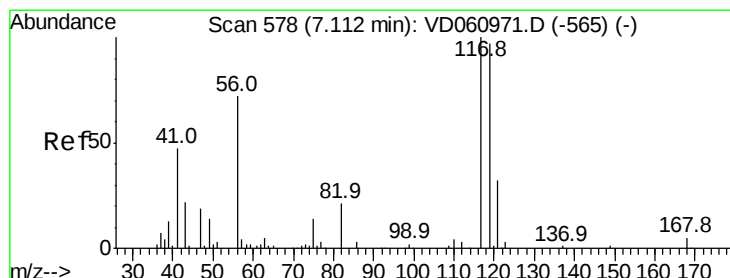
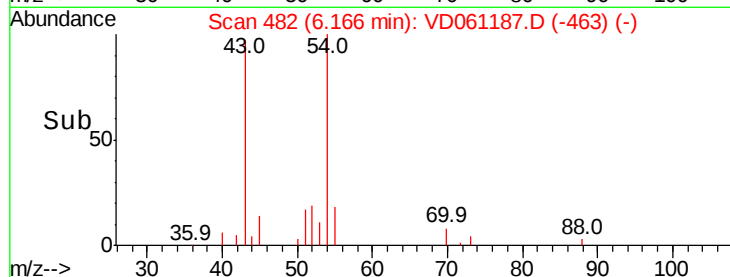
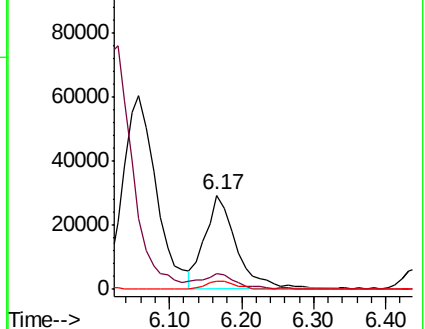
70 8.7 7.1 10.7



Abundance Ion 42.95 (42.65 to 43.65): VD061187.D (-463) (-)

Ion 60.95 (60.65 to 61.65): VD061187.D (-463) (-)

Ion 70.00 (69.70 to 70.70): VD061187.D (-463) (-)



#38

Carbon Tetrachloride

Concen: 19.051 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

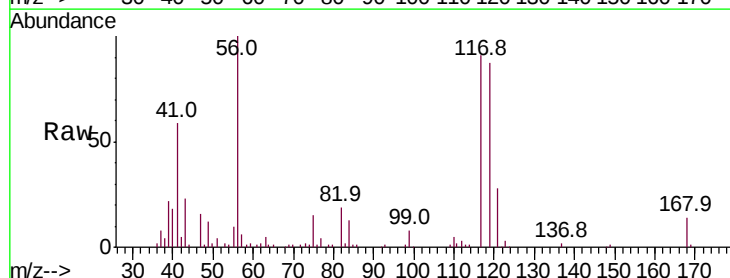
Tgt Ion: 117 Resp: 204920

Ion Ratio Lower Upper

117 100

119 96.3 77.8 116.8

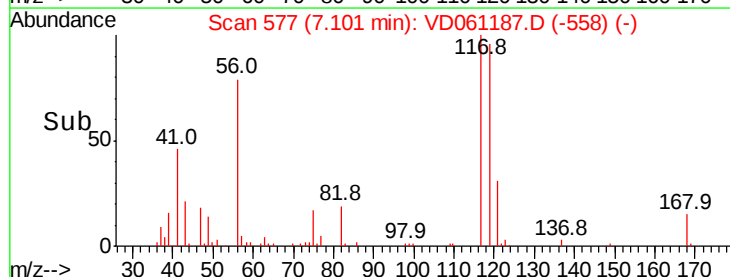
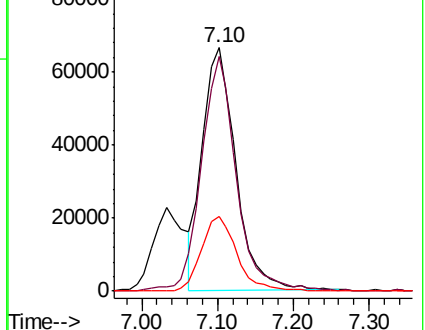
121 30.8 25.3 37.9

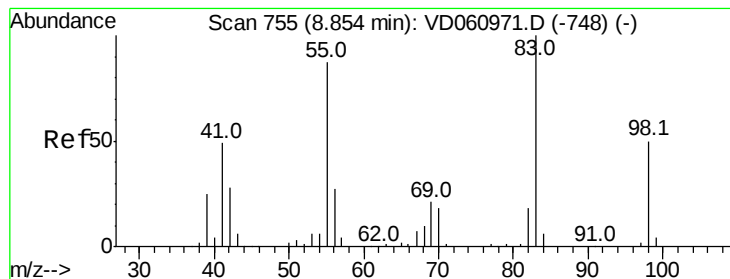


Abundance Ion 116.85 (116.55 to 117.55): VD061187.D (-558) (-)

Ion 118.85 (118.55 to 119.55): VD061187.D (-558) (-)

Ion 120.85 (120.55 to 121.55): VD061187.D (-558) (-)





#39

Methvlcvclohexane

Concen: 18.440 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBSD01

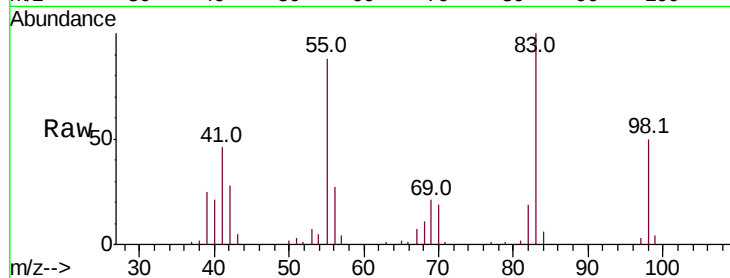
Tot Ion: 83 Resp: 186720

Ion Ratio Lower Upper

83 100

55 87.8 69.6 104.4

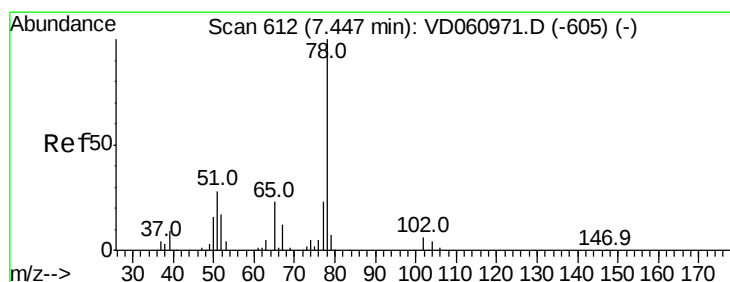
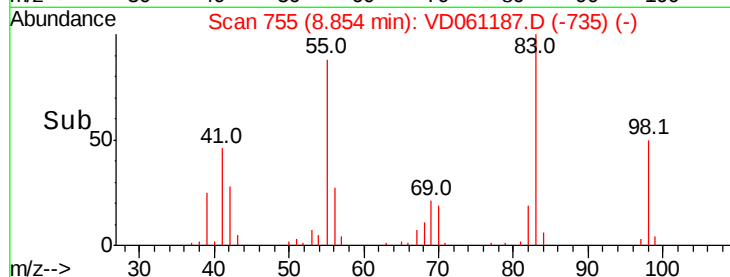
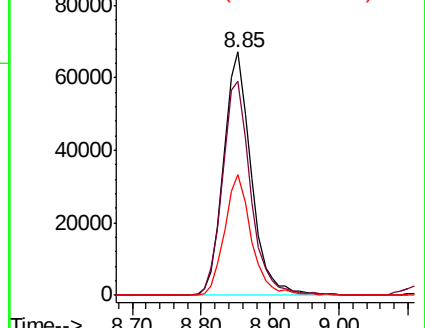
98 49.7 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.962 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061187.D

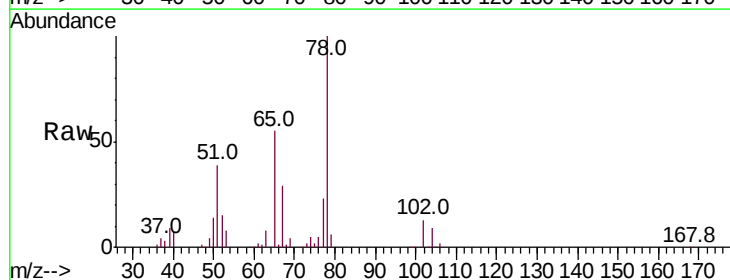
Acq: 19 Mar 2019 16:11

Tgt Ion: 78 Resp: 511491

Ion Ratio Lower Upper

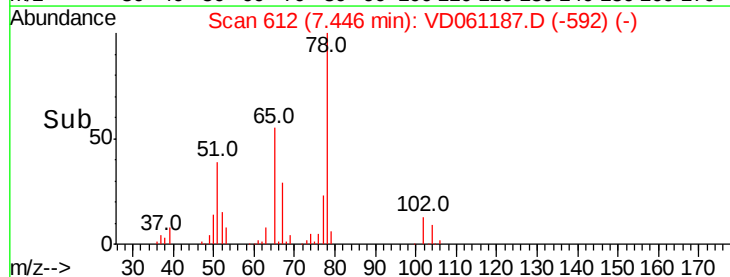
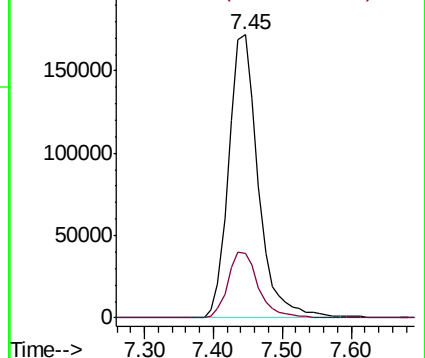
78 100

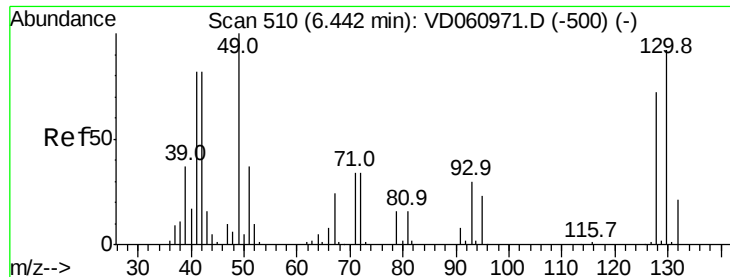
77 22.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.481 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBSD01

Tot Ion: 41 Resp: 102680

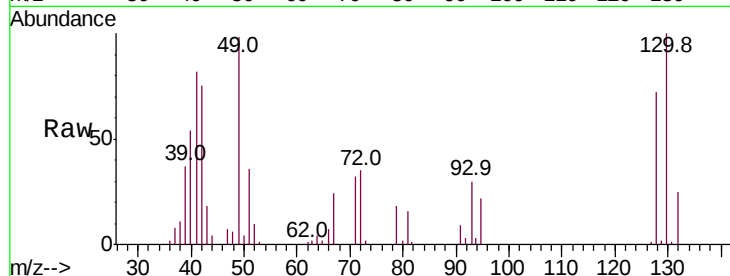
Ion Ratio Lower Upper

41 100

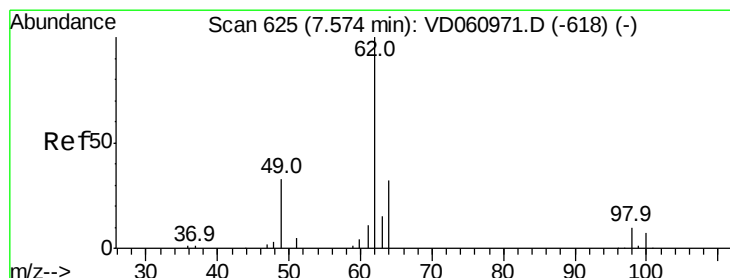
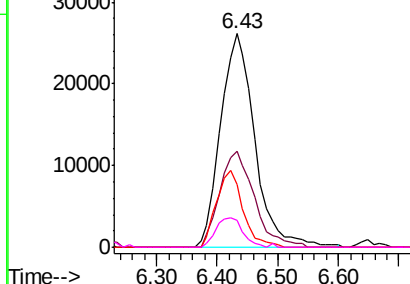
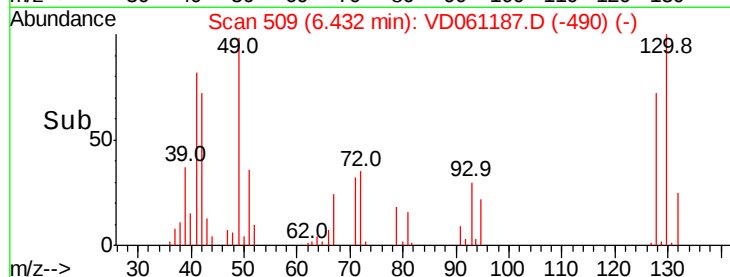
39 45.2 35.7 53.5

67 29.1 23.0 34.6

52 12.5 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: 20.033 ug/l

RT: 7.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD061187.D

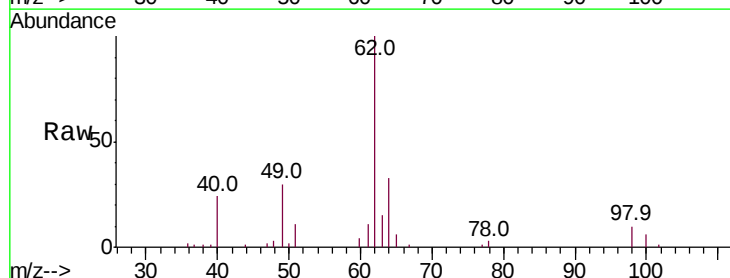
Acq: 19 Mar 2019 16:11

Tgt Ion: 62 Resp: 141850

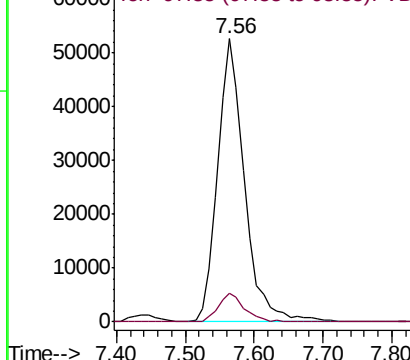
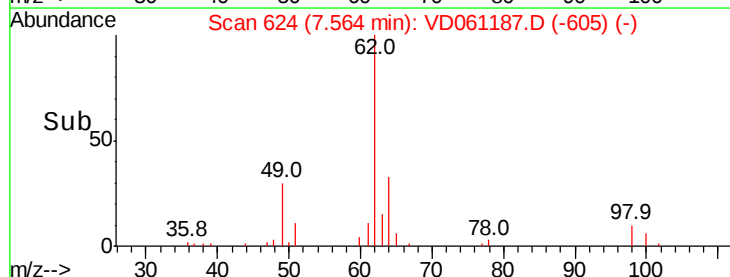
Ion Ratio Lower Upper

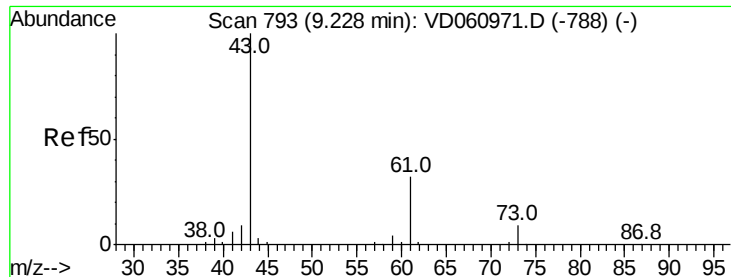
62 100

98 10.1 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: 20.311 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

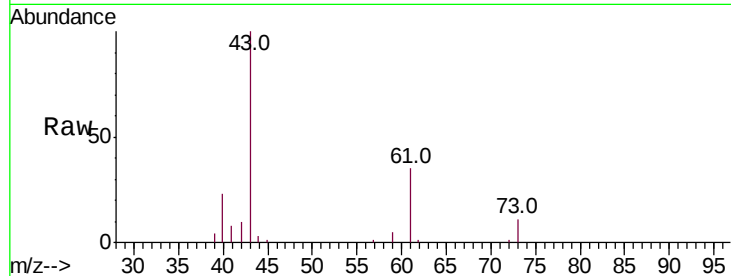
Tot Ion: 43 Resp: 128907

Ion Ratio Lower Upper

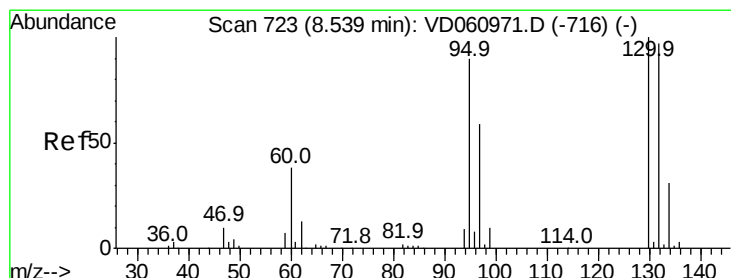
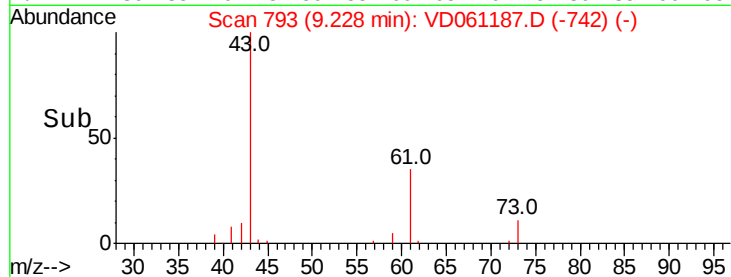
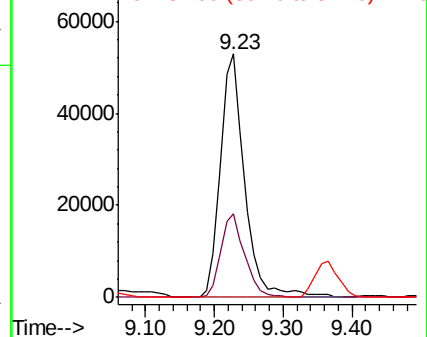
43 100

61 34.5 25.6 38.4

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 22.331 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD061187.D

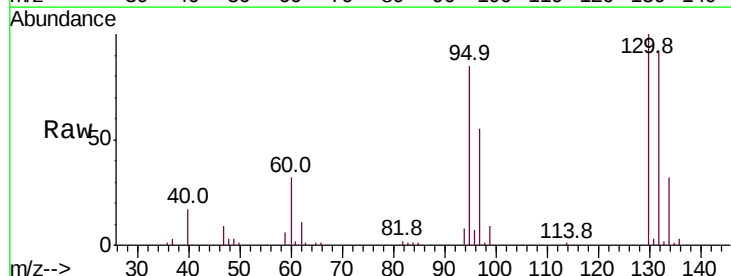
Acq: 19 Mar 2019 16:11

Tgt Ion:130 Resp: 187985

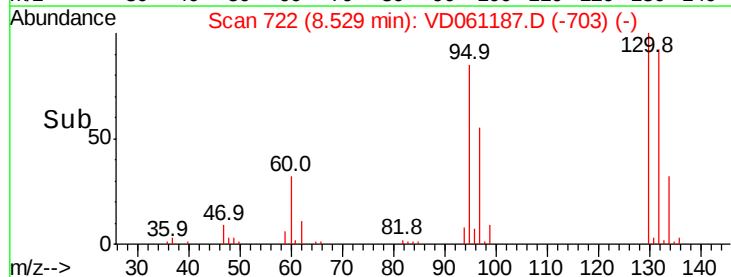
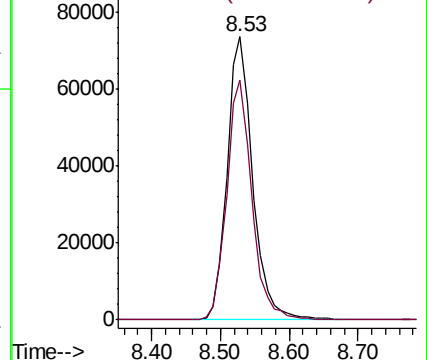
Ion Ratio Lower Upper

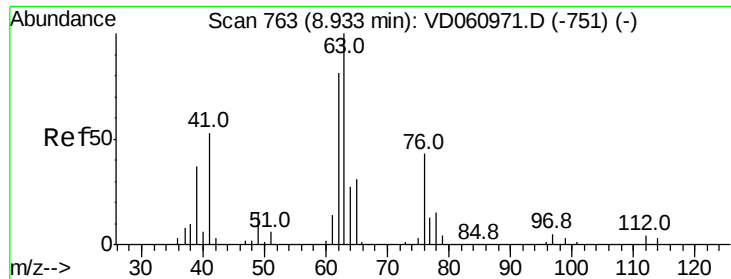
130 100

95 84.9 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 19.697 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

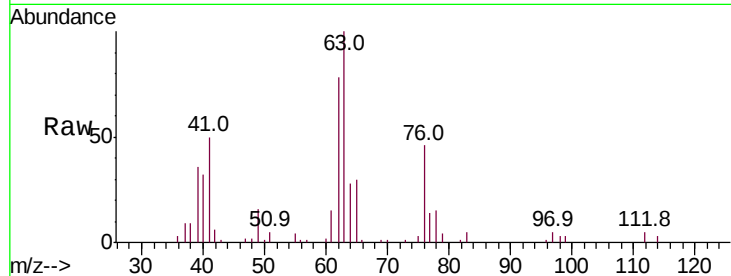
VD0319SBS01

Tot Ion: 63 Resp: 126267

Ion Ratio Lower Upper

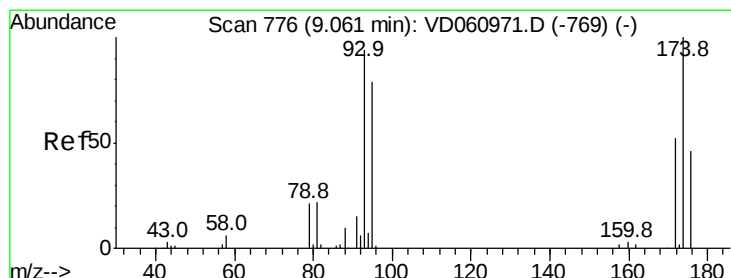
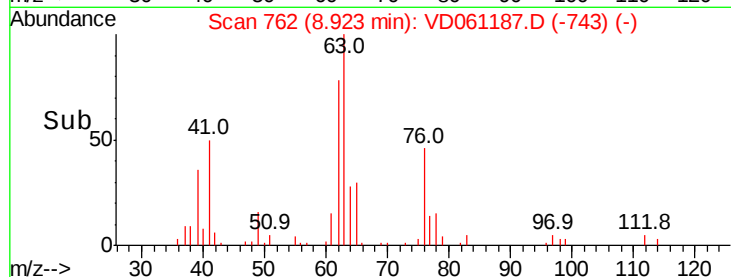
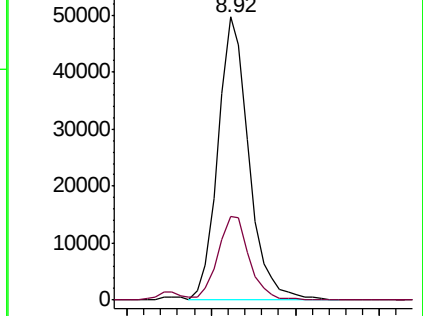
63 100

65 29.7 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.436 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

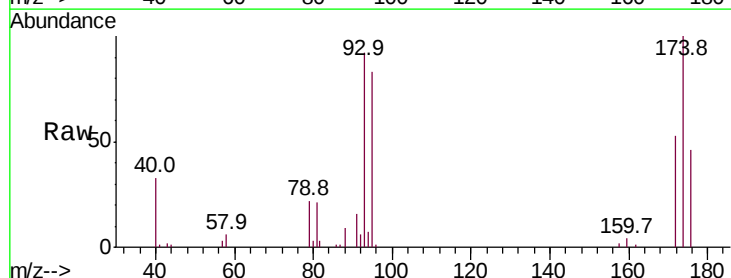
Tgt Ion: 93 Resp: 83099

Ion Ratio Lower Upper

93 100

95 90.2 67.4 101.0

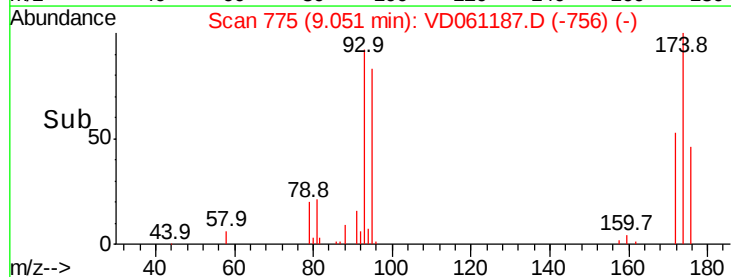
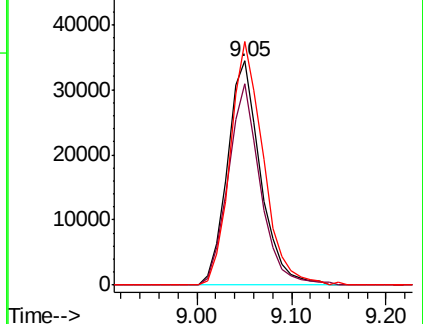
174 108.8 85.4 128.0

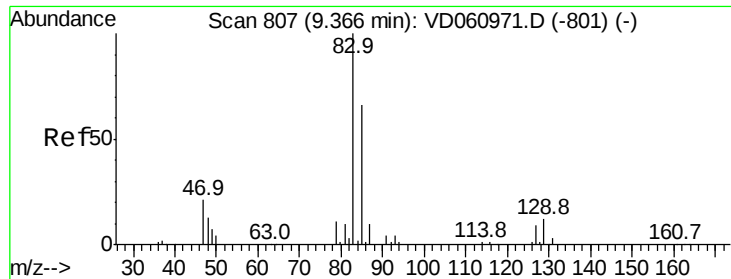


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.365 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

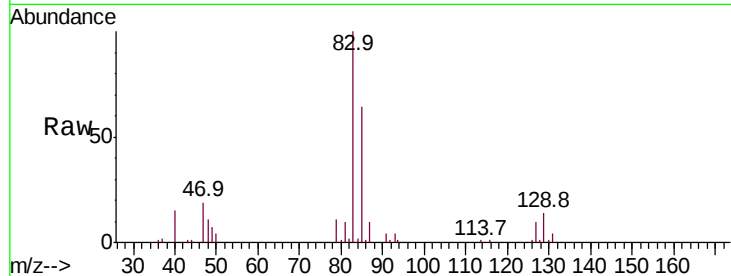
Tot Ion: 83 Resp: 186876

Ion Ratio Lower Upper

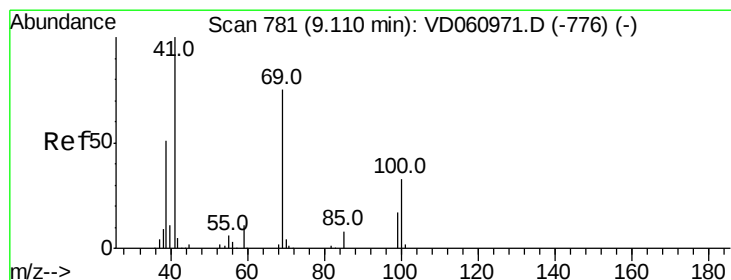
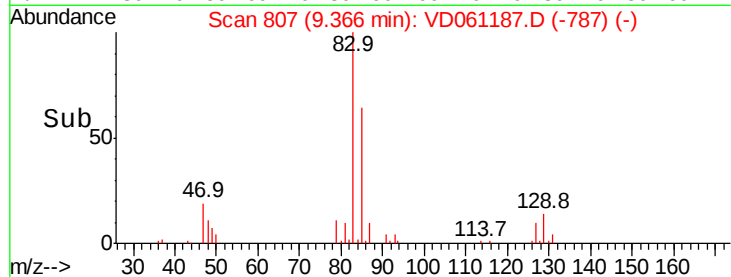
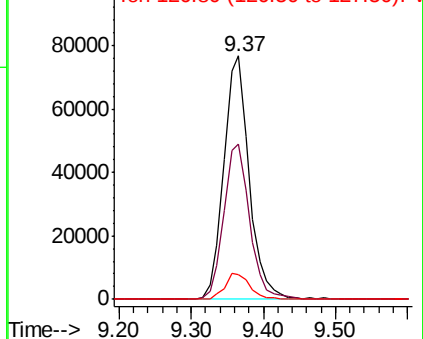
83 100

85 63.9 52.5 78.7

127 10.3 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: 21.253 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

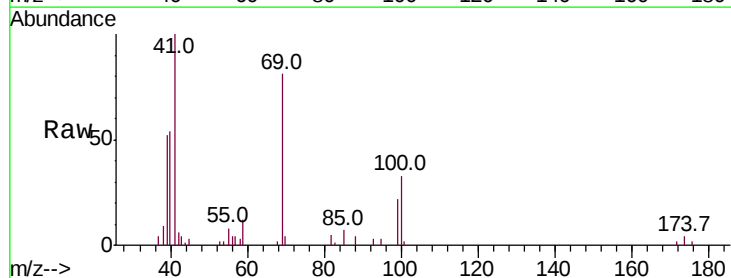
Tgt Ion: 41 Resp: 75946

Ion Ratio Lower Upper

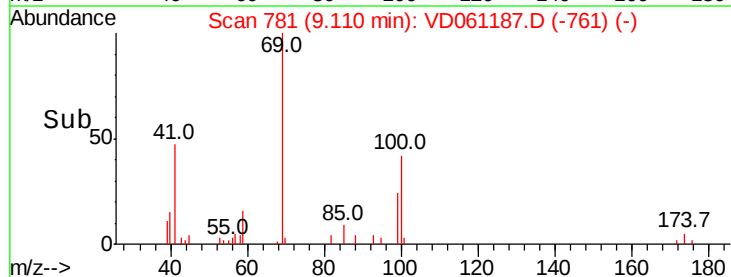
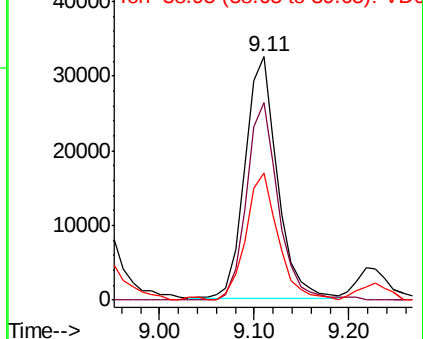
41 100

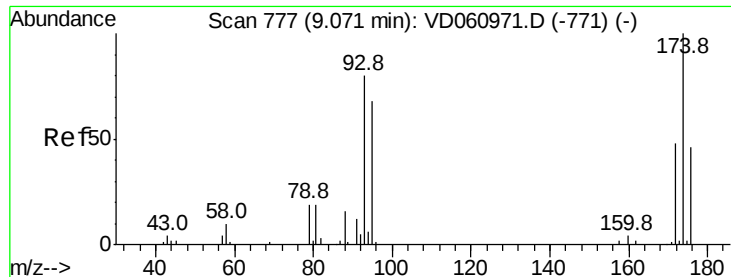
69 81.1 59.9 89.9

39 52.4 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

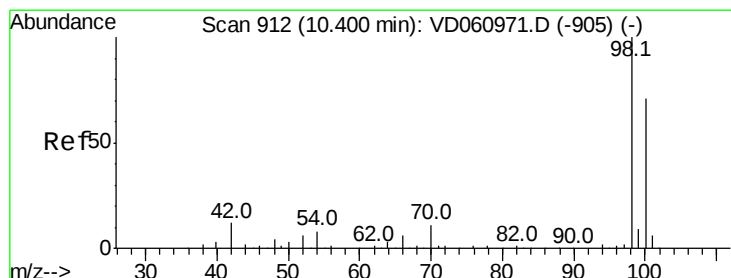
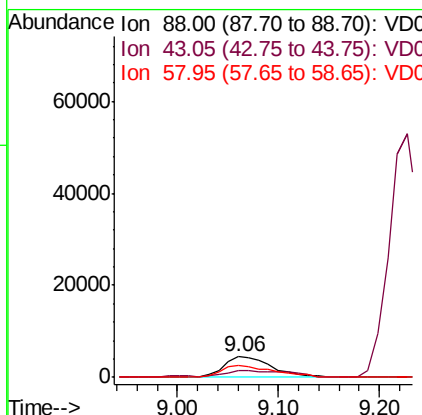
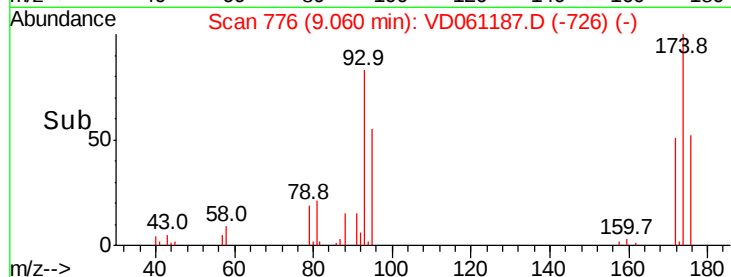
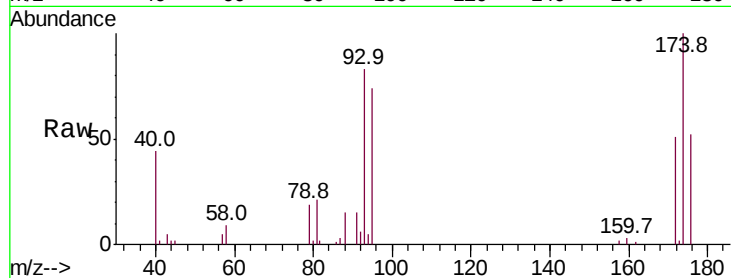




#49
 1,4-Dioxane
 Concen: 400.948 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

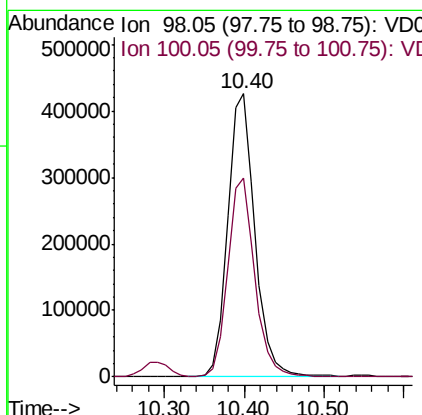
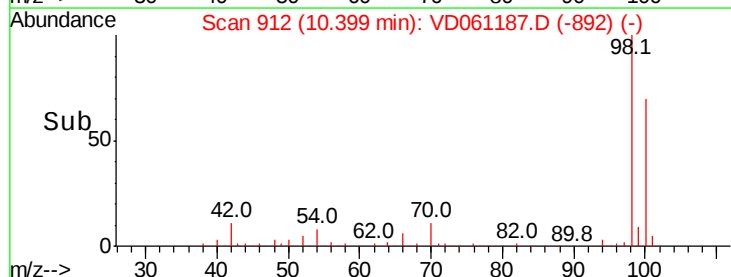
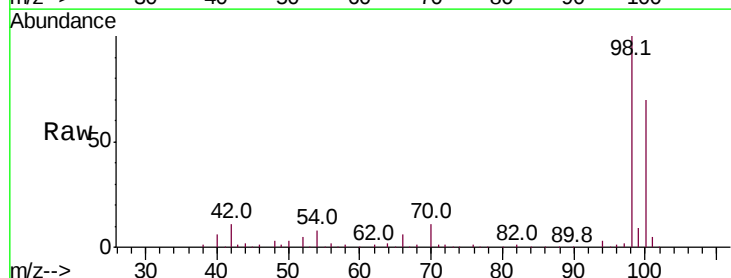
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

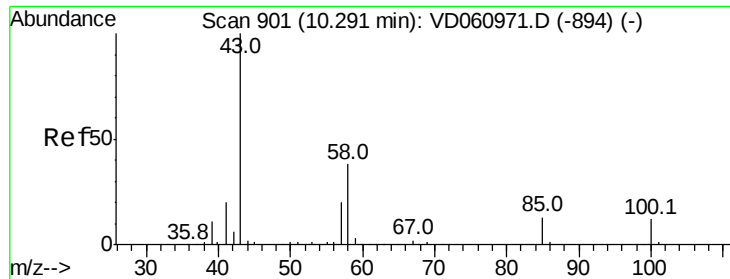
Tot Ion: 88 Resp: 14488
 Ion Ratio Lower Upper
 88 100
 43 32.6 21.0 31.6#
 58 61.0 48.6 72.8



#50
 Toluene-d8
 Concen: 400.948 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Tgt Ion: 98 Resp: 1015807
 Ion Ratio Lower Upper
 98 100
 100 70.1 57.4 86.2

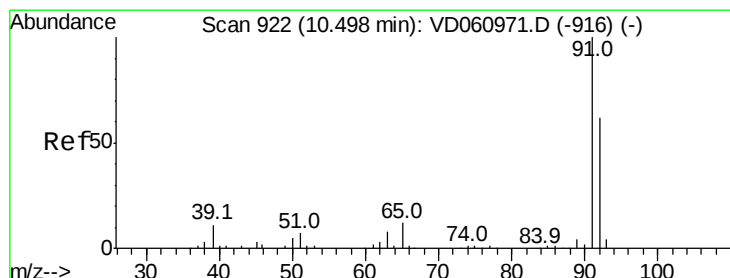
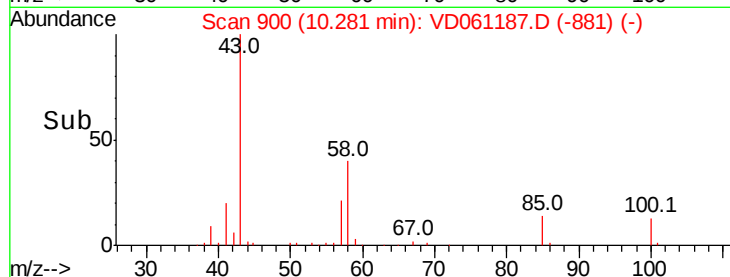
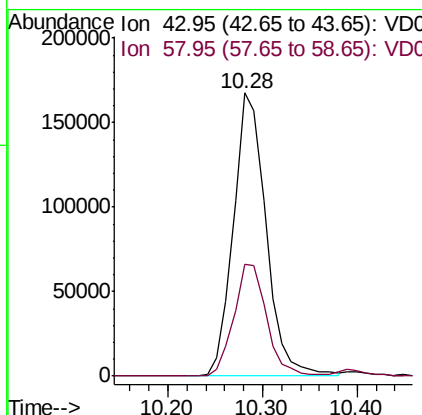
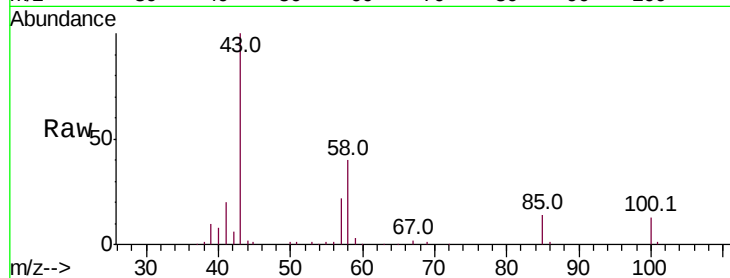




#51
4-Methyl-2-Pentanone
Concen: 103.332 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

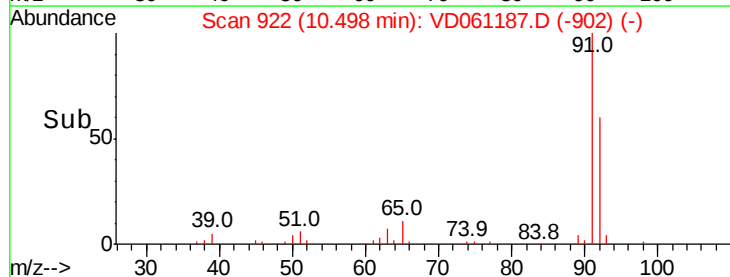
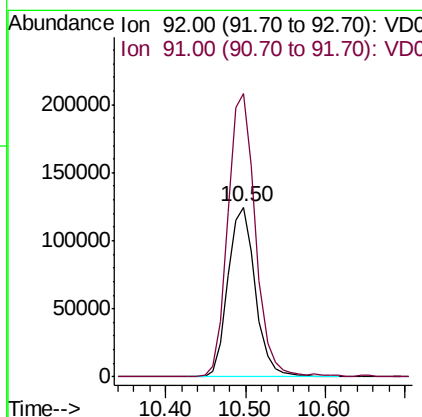
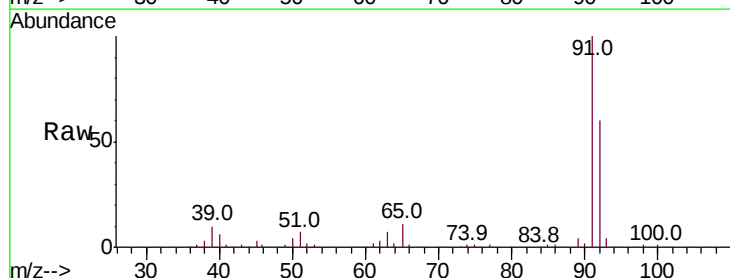
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

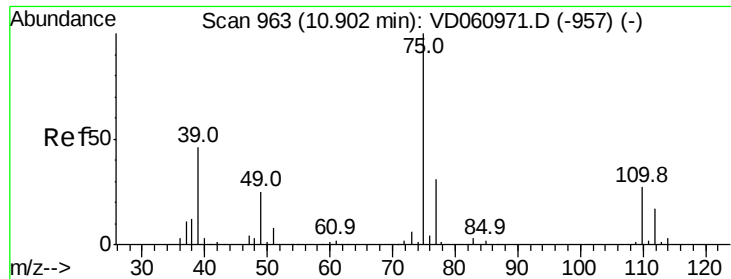
Tot Ion: 43 Resp: 401777
Ion Ratio Lower Upper
43 100
58 39.7 30.2 45.2



#52
Toluene
Concen: 19.802 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 92 Resp: 300463
Ion Ratio Lower Upper
92 100
91 167.0 129.8 194.8

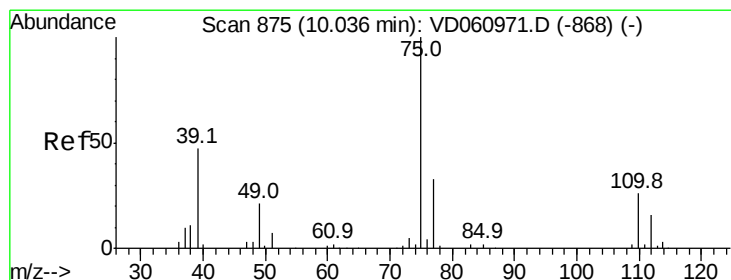
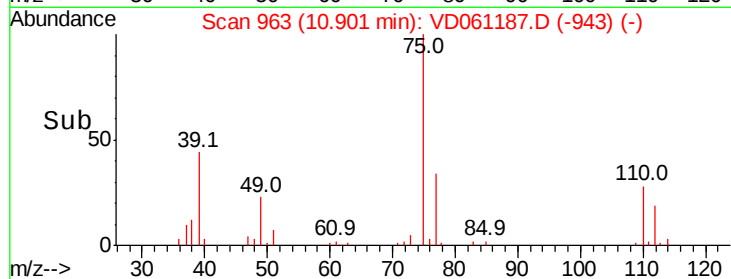
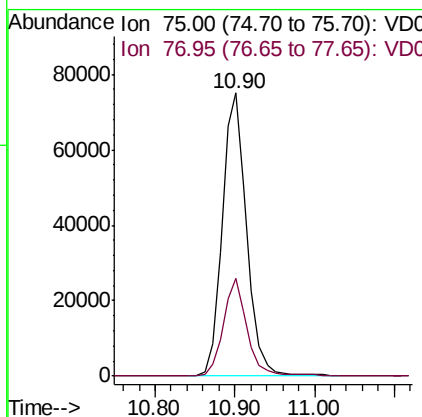
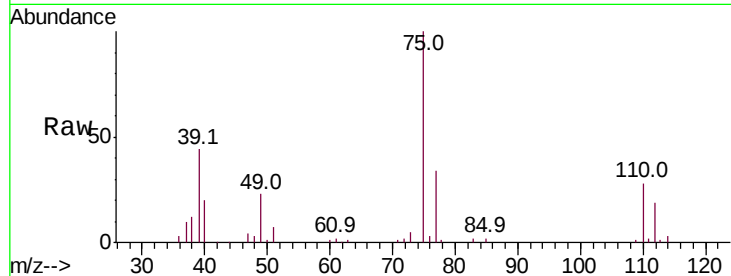




#53
 t-1,3-Dichloropropene
 Concen: 19.157 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

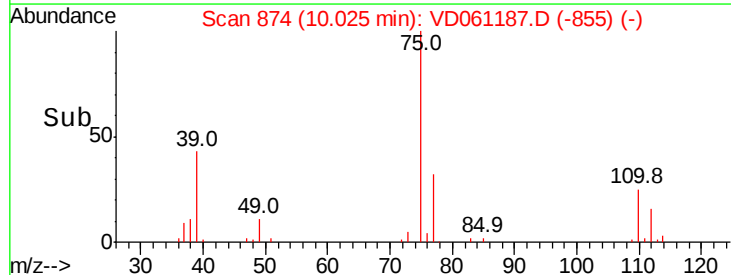
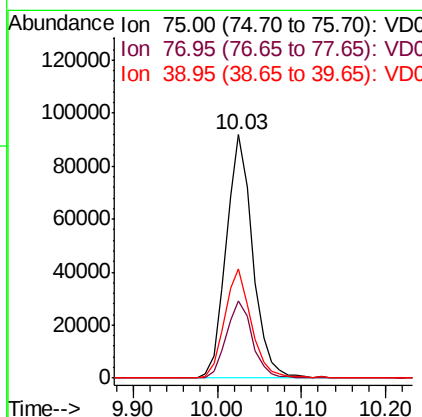
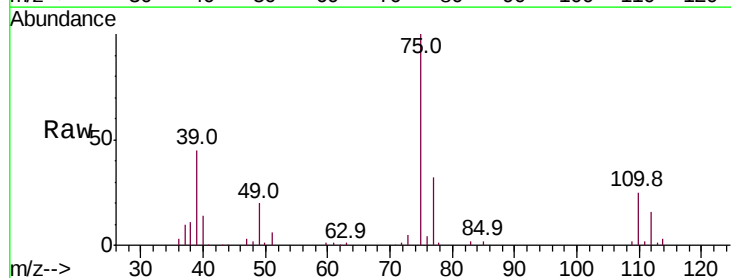
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

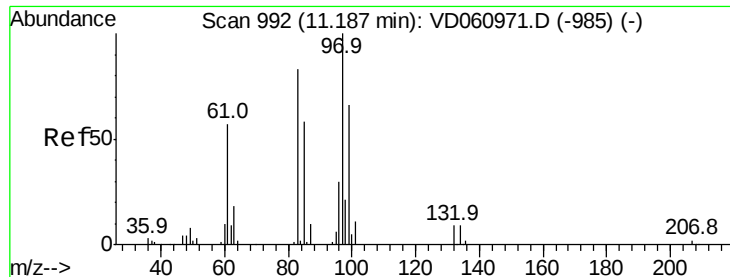
Tot Ion: 75 Resp: 160737
 Ion Ratio Lower Upper
 75 100
 77 34.4 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.943 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Tgt Ion: 75 Resp: 201052
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.4
 39 44.9 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 20.982 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBSD01

Tot Ion: 97 Resp: 106022

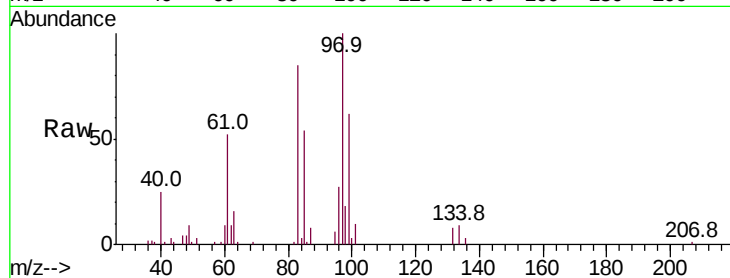
Ion Ratio Lower Upper

97 100

83 84.8 66.6 100.0

85 53.7 46.4 69.6

99 61.8 52.4 78.6

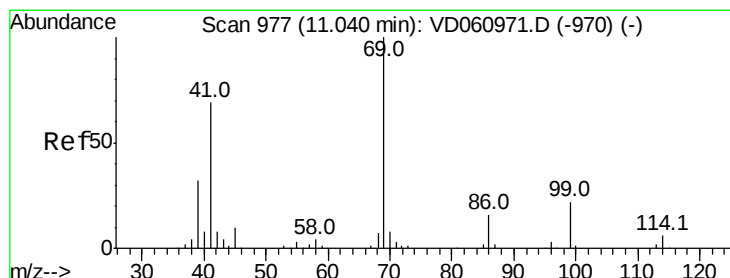
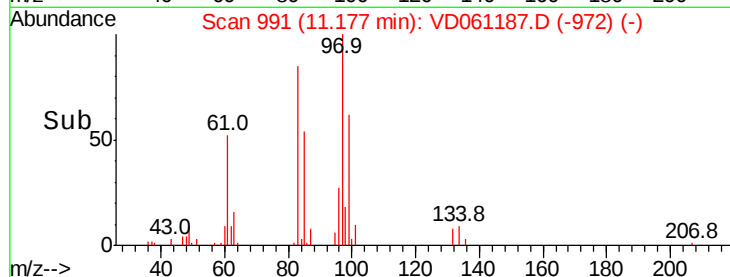
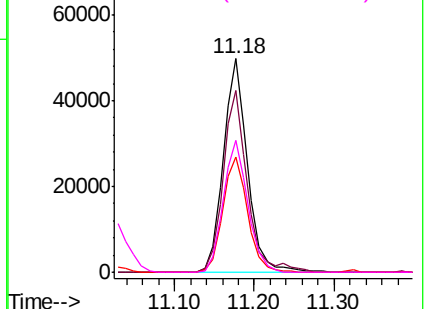


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.526 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

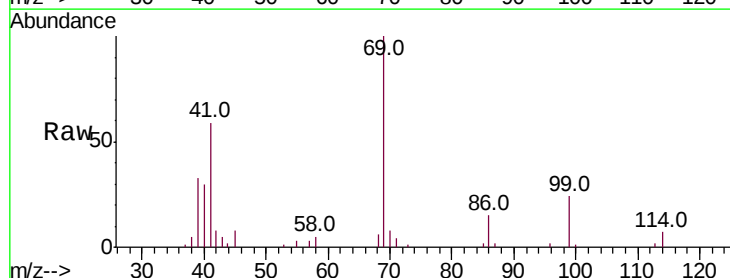
Tgt Ion: 69 Resp: 103273

Ion Ratio Lower Upper

69 100

41 58.7 55.5 83.3

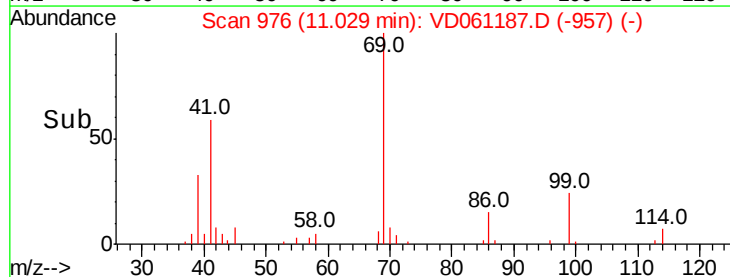
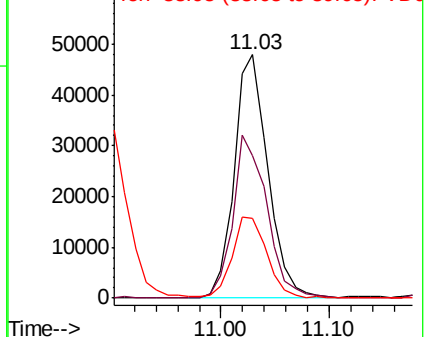
39 32.9 26.2 39.2

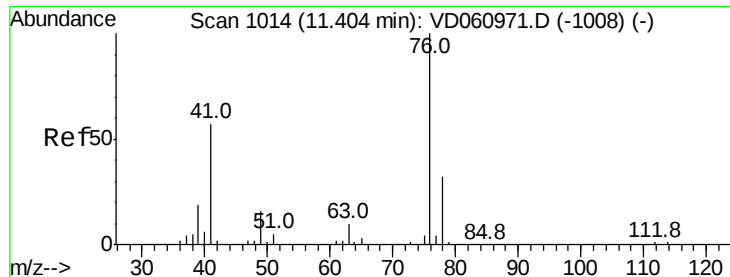


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.510 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

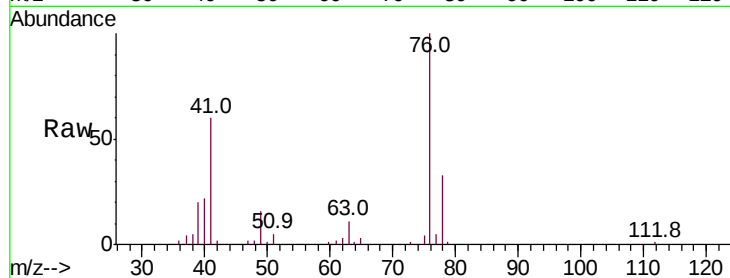
VD0319SBS01

Tot Ion: 76 Resp: 154874

Ion Ratio Lower Upper

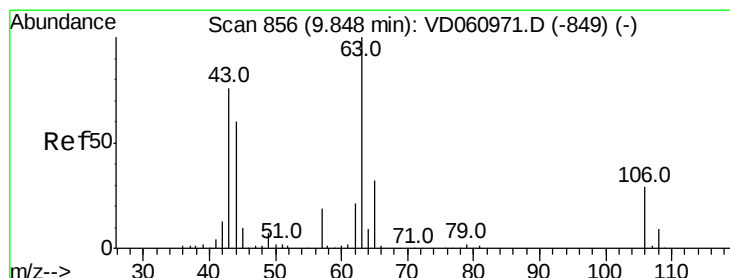
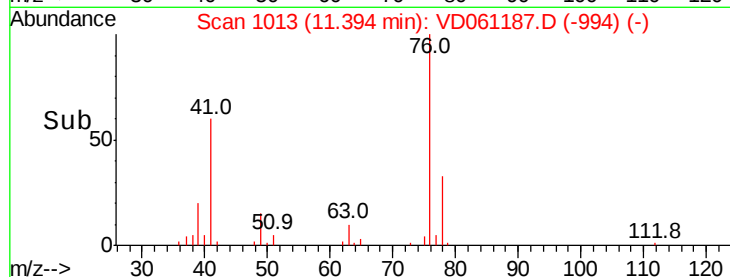
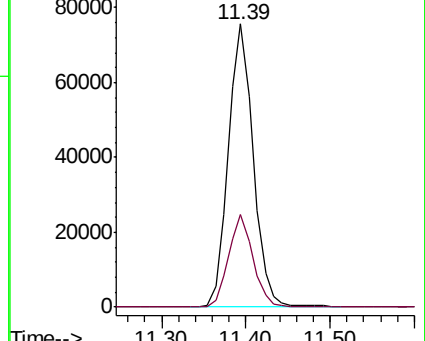
76 100

78 32.9 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: 98.983 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD061187.D

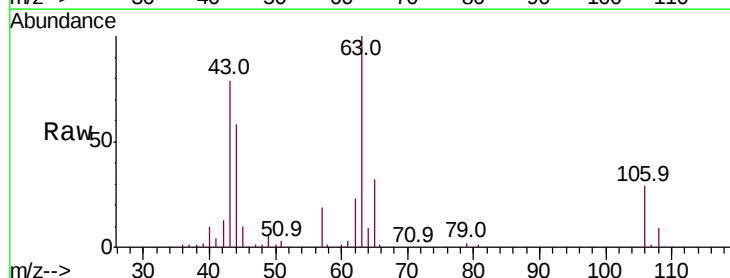
Acq: 19 Mar 2019 16:11

Tgt Ion: 63 Resp: 277112

Ion Ratio Lower Upper

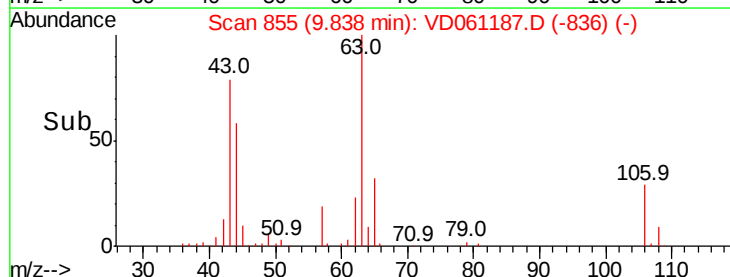
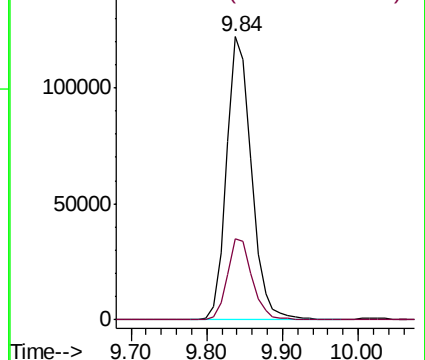
63 100

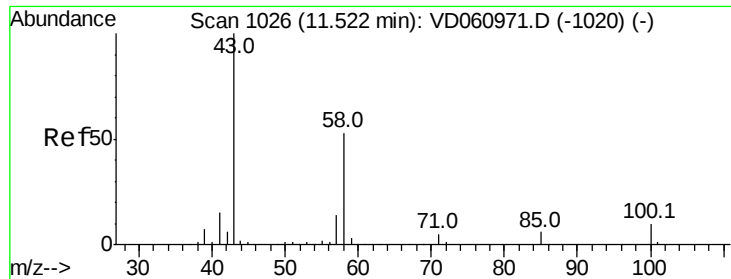
106 28.8 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

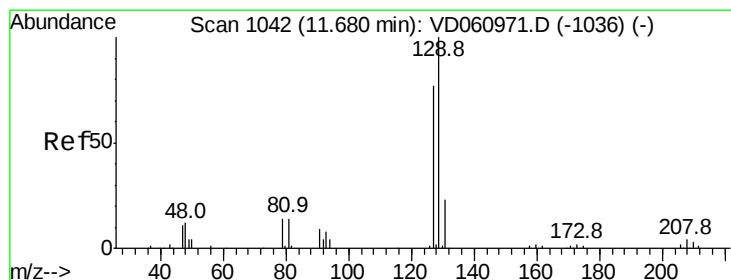
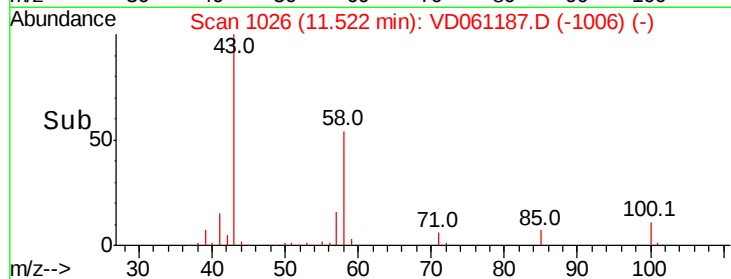
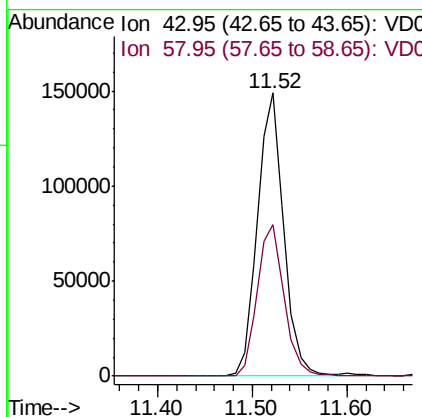
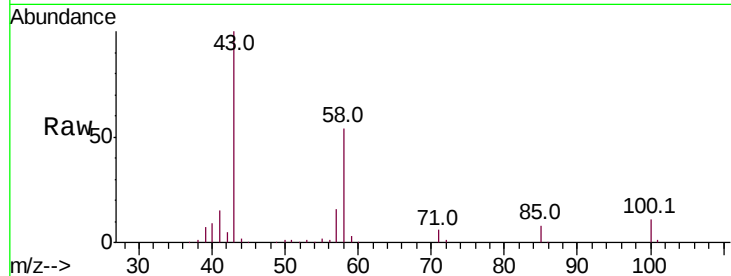




#59
2-Hexanone
Concen: 101.428 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

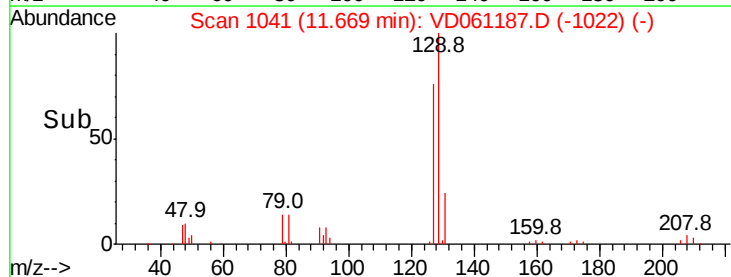
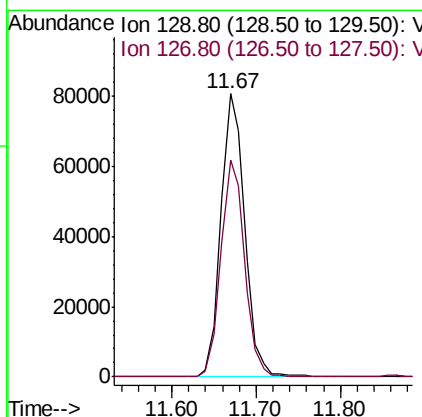
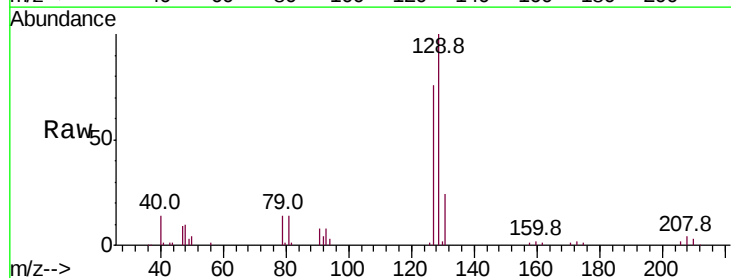
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

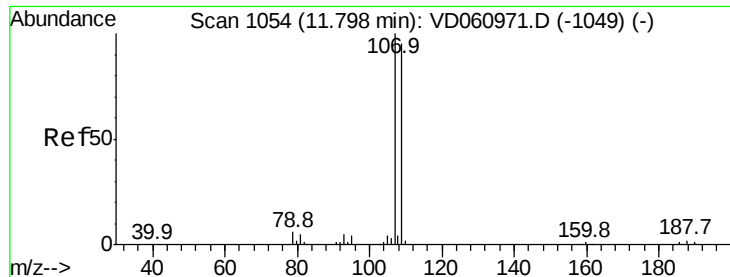
Tot Ion: 43 Resp: 288484
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5



#60
Dibromochloromethane
Concen: 21.276 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 129 Resp: 158222
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9

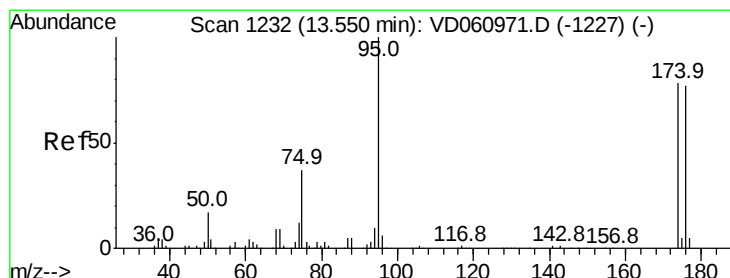
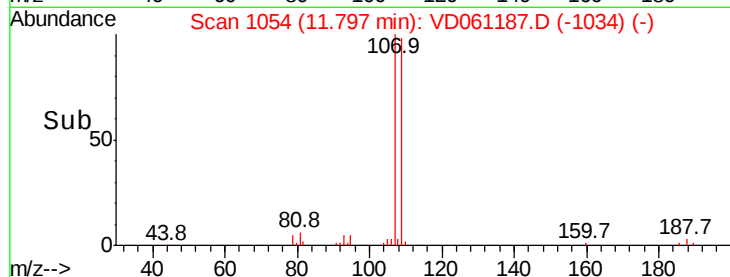
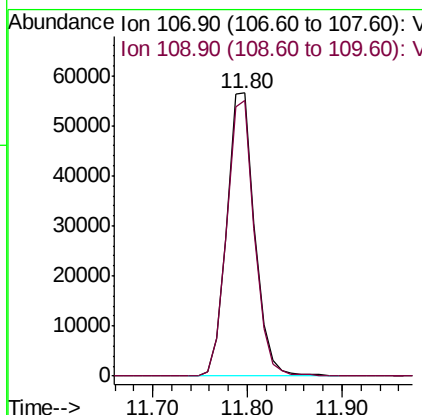
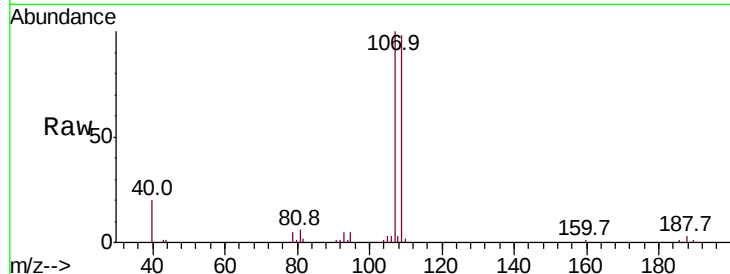




#61
1,2-Dibromoethane
Concen: 19.618 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

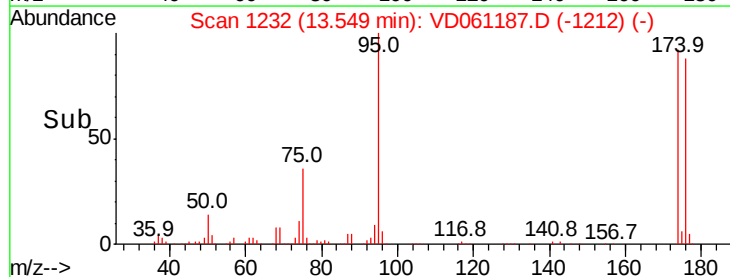
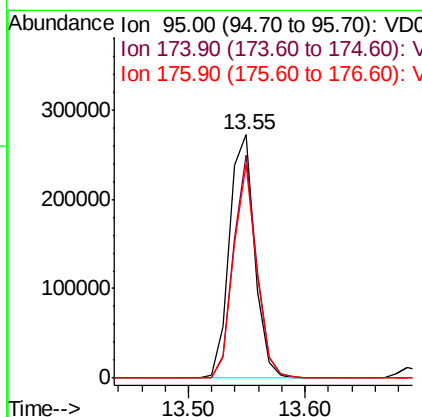
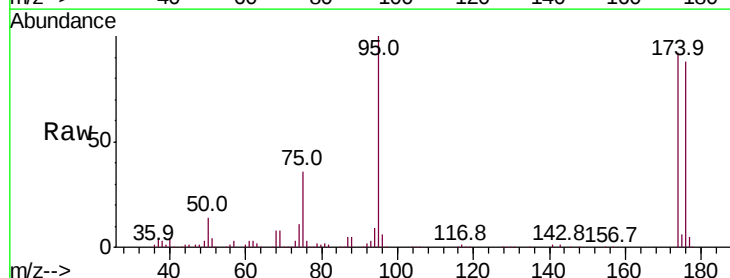
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

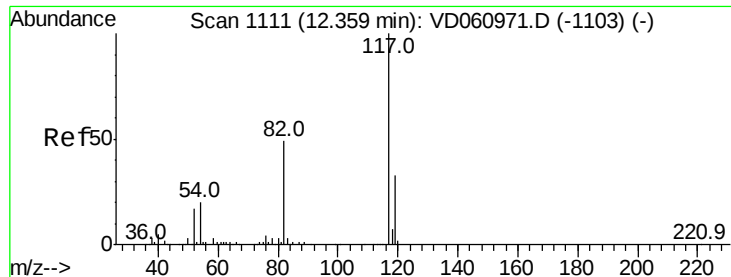
Tot Ion:107 Resp: 115315
Ion Ratio Lower Upper
107 100
109 97.6 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 19.618 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 95 Resp: 407395
Ion Ratio Lower Upper
95 100
174 91.8 0.0 155.6
176 88.1 0.0 153.8

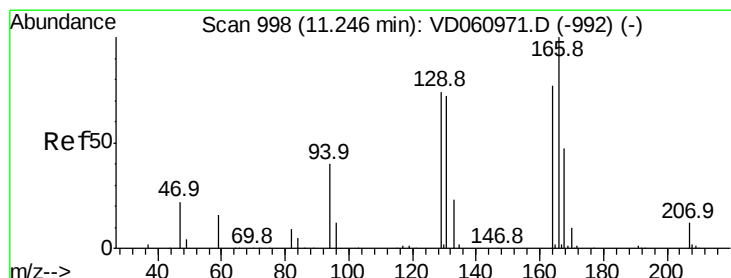
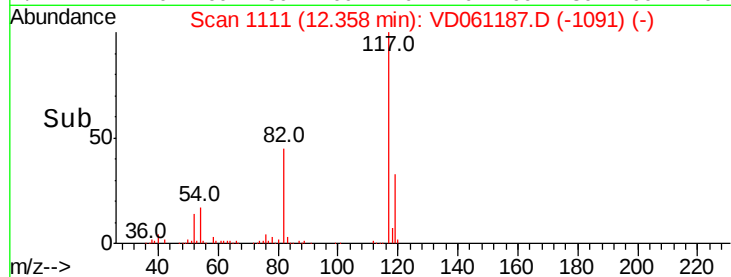
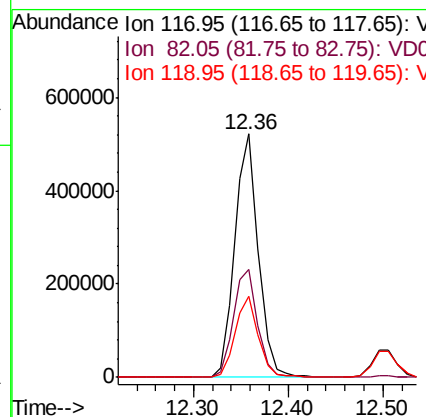
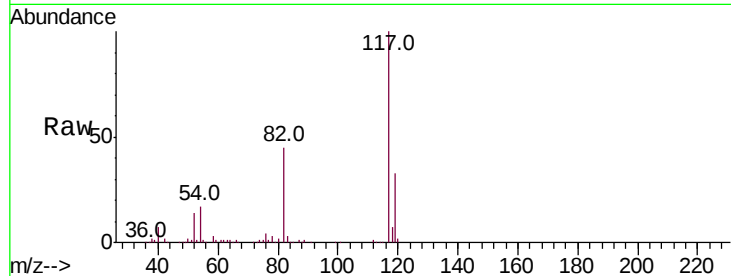




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

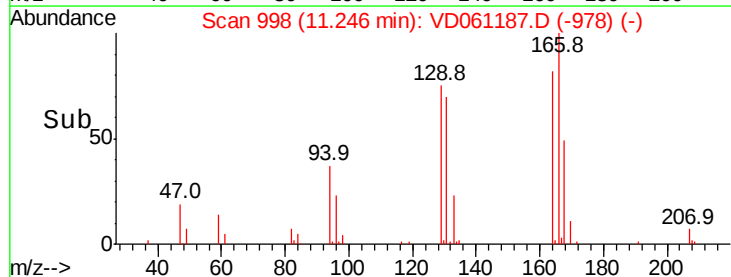
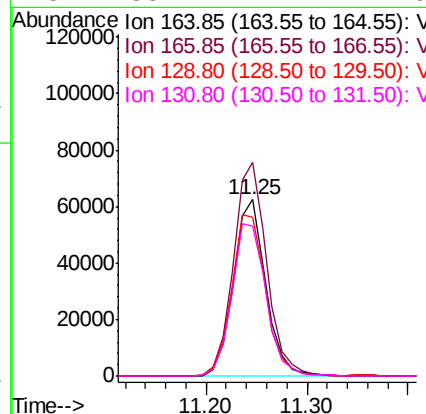
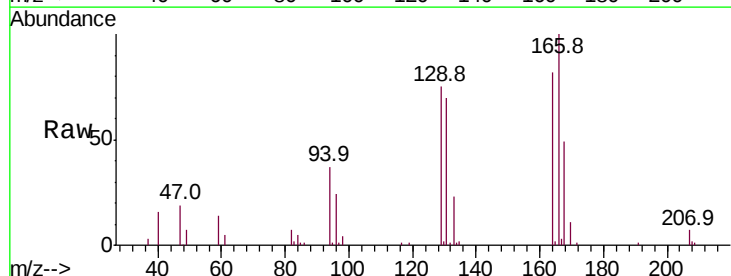
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

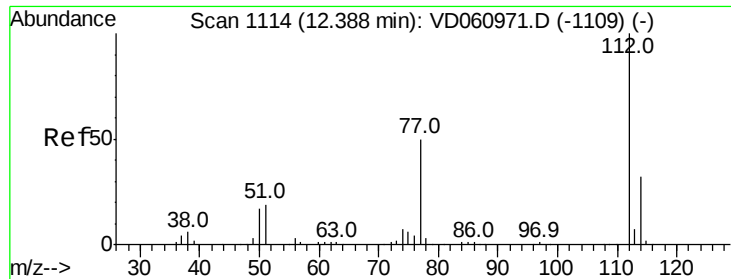
Tot Ion:117 Resp: 897086
Ion Ratio Lower Upper
117 100
82 44.6 38.9 58.3
119 33.2 26.6 39.8



#64
Tetrachloroethene
Concen: 22.758 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion:164 Resp: 137815
Ion Ratio Lower Upper
164 100
166 121.3 103.4 155.0
129 90.4 76.9 115.3
131 85.4 74.4 111.6

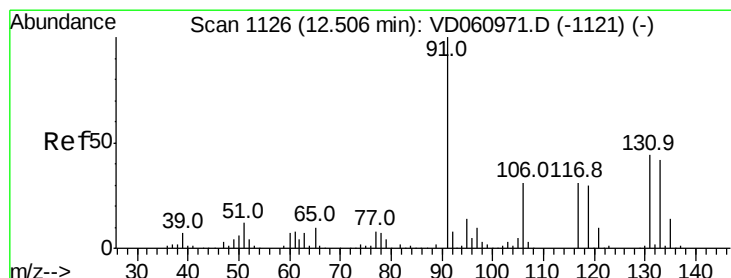
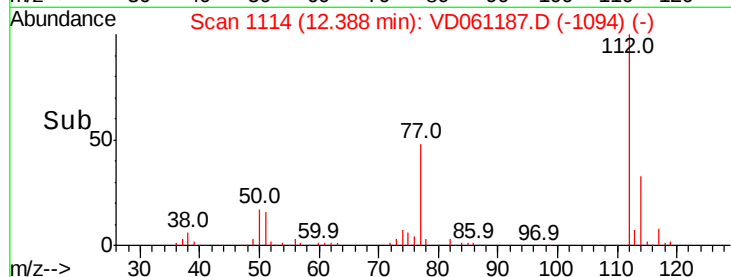
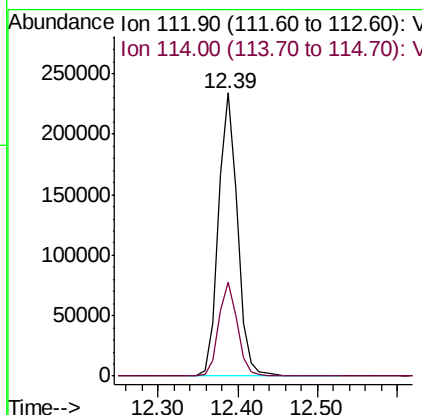
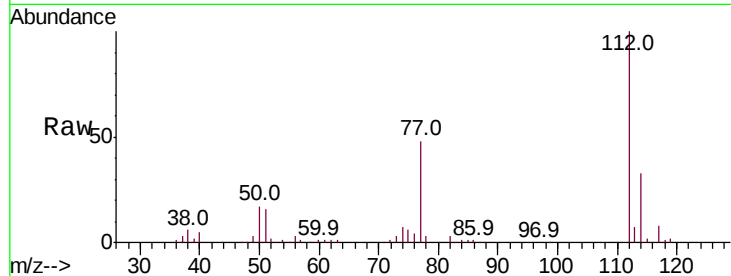




#65
Chlorobenzene
Concen: 22.433 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

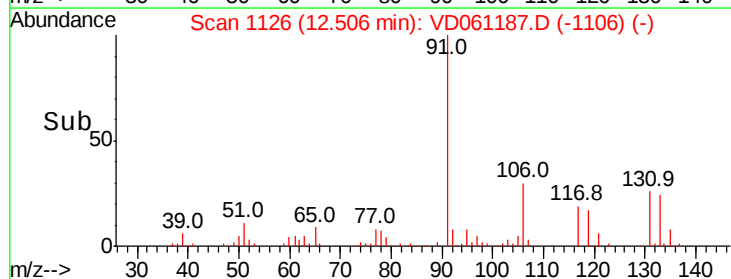
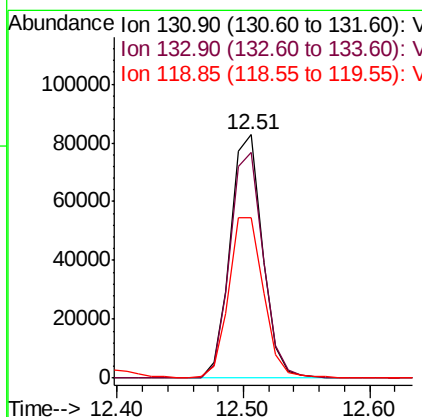
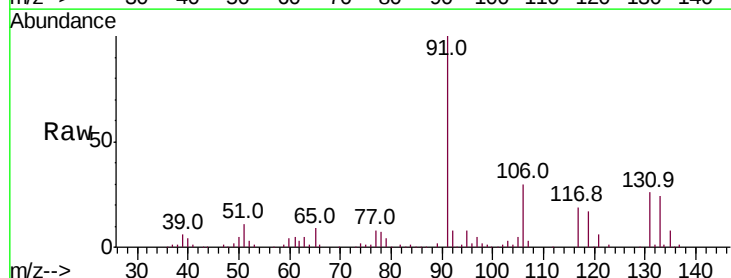
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

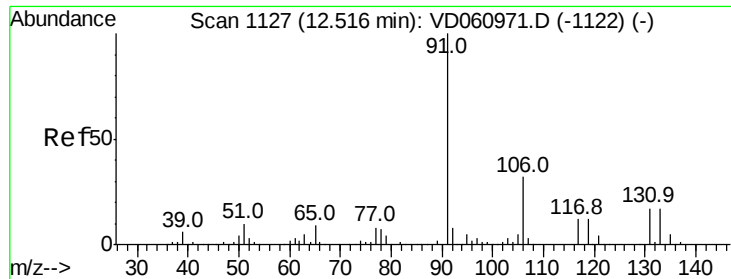
Tot Ion:112 Resp: 394526
Ion Ratio Lower Upper
112 100
114 33.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.407 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion:131 Resp: 146734
Ion Ratio Lower Upper
131 100
133 92.5 47.8 143.3
119 66.1 34.3 102.9

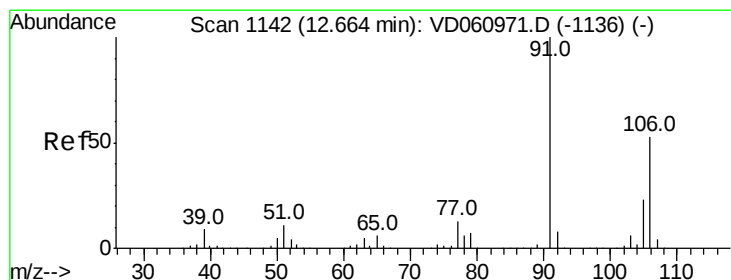
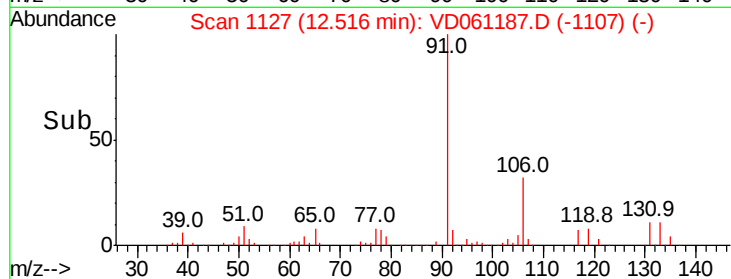
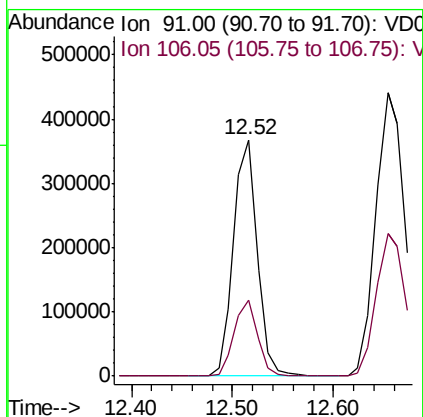
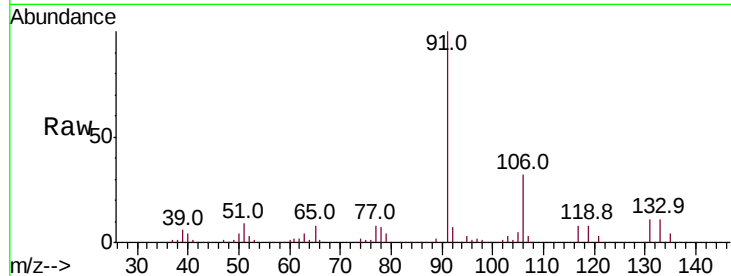




#67
Ethyl Benzene
Concen: 23.030 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

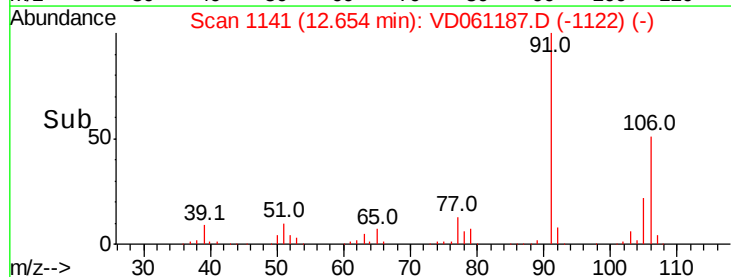
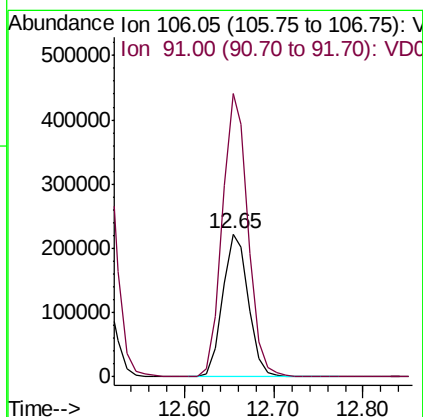
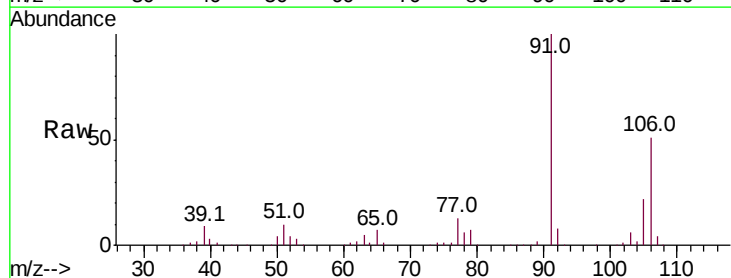
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

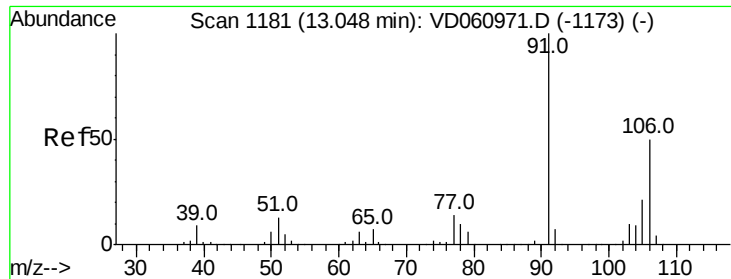
Tot Ion: 91 Resp: 602980
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5



#68
m/p-Xylenes
Concen: 44.118 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 106 Resp: 453367
Ion Ratio Lower Upper
106 100
91 197.9 152.0 228.0

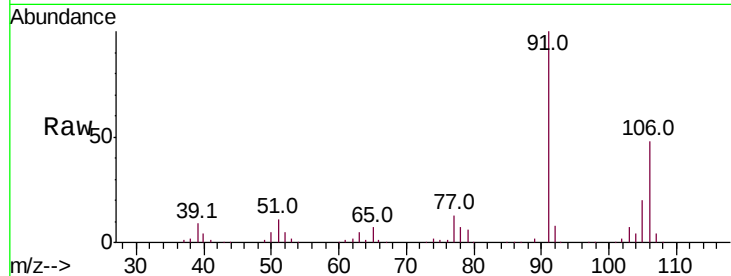




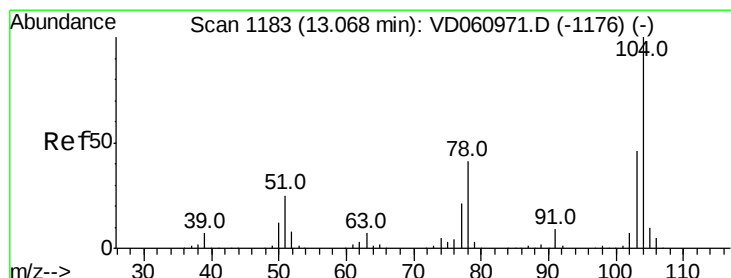
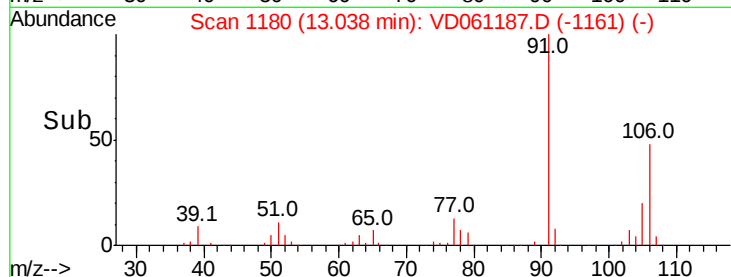
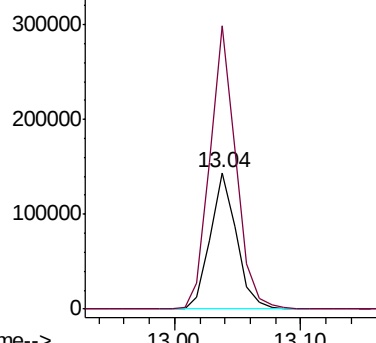
#69
o-Xylene
Concen: 20.396 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

Tot Ion:106 Resp: 206027
Ion Ratio Lower Upper
106 100
91 206.9 99.8 299.3

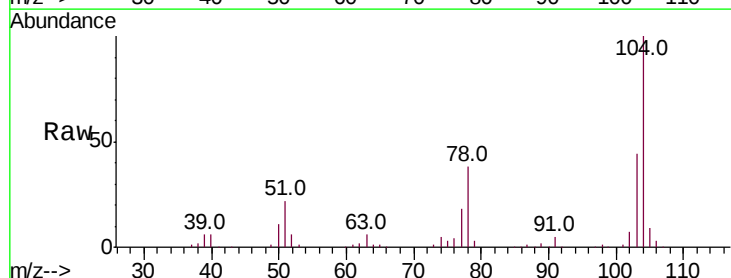


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

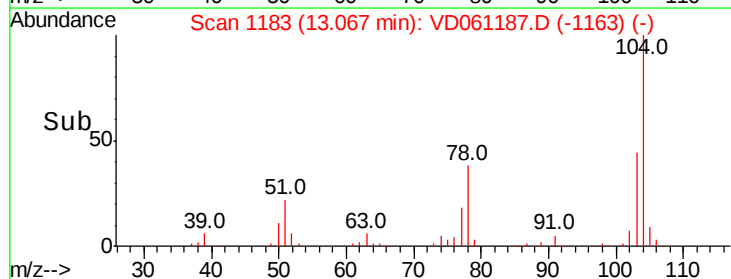
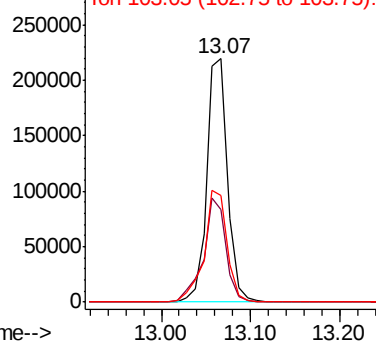


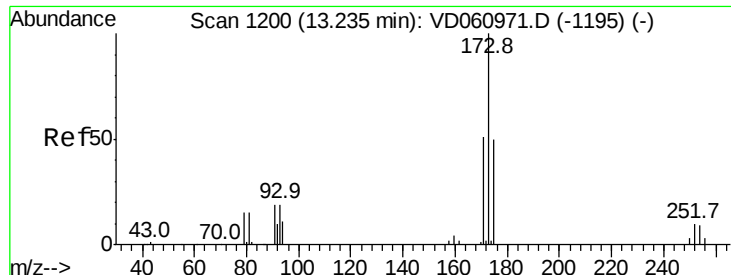
#70
Styrene
Concen: 21.640 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion:104 Resp: 356942
Ion Ratio Lower Upper
104 100
78 38.3 33.0 49.4
103 44.0 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





#71

Bromoform

Concen: 21.315 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

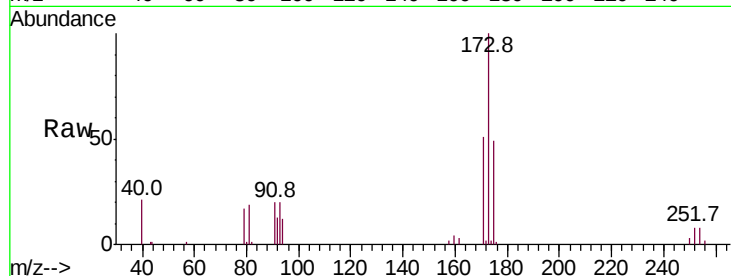
Tot Ion:173 Resp: 86201

Ion Ratio Lower Upper

173 100

175 48.7 24.9 74.8

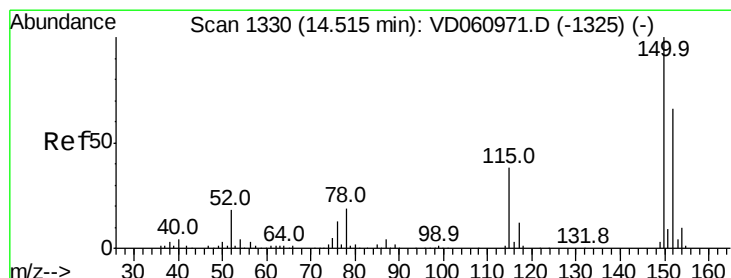
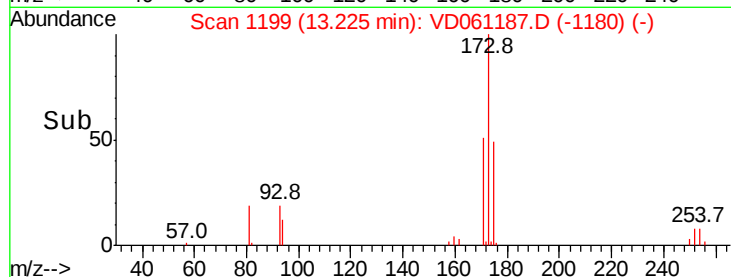
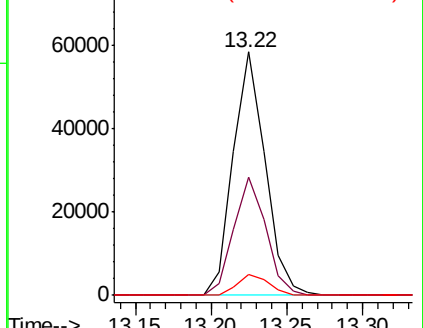
254 8.4 7.3 10.9



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# 1330

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

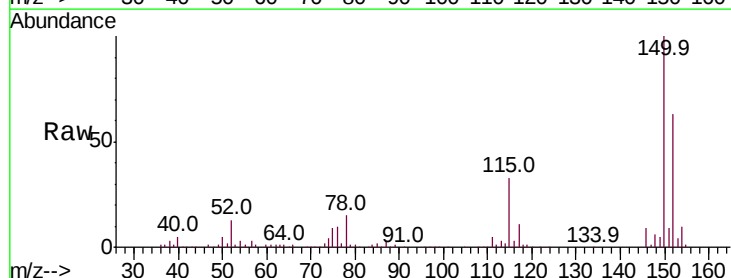
Tgt Ion:152 Resp: 406518

Ion Ratio Lower Upper

152 100

115 51.9 28.6 85.9

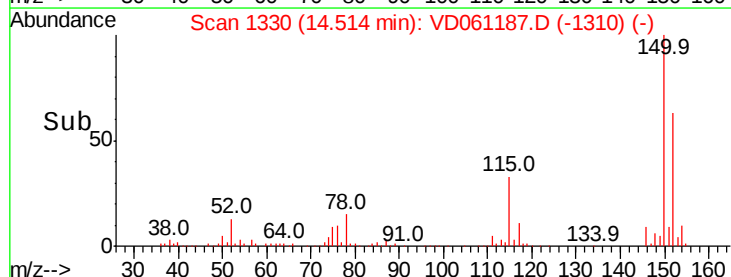
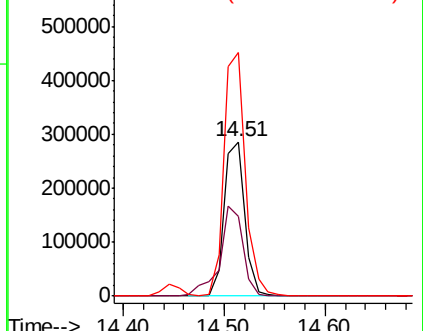
150 157.6 0.0 310.6

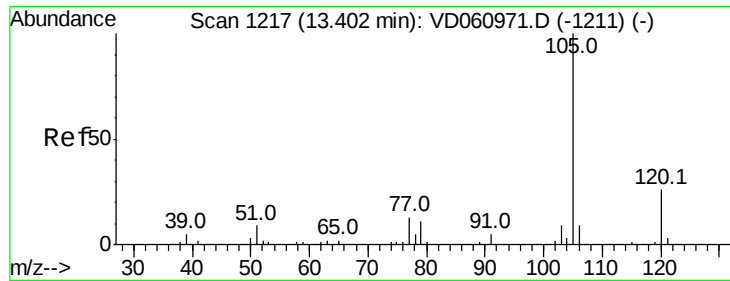


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

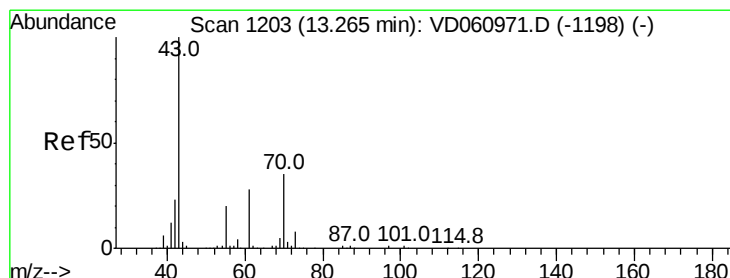
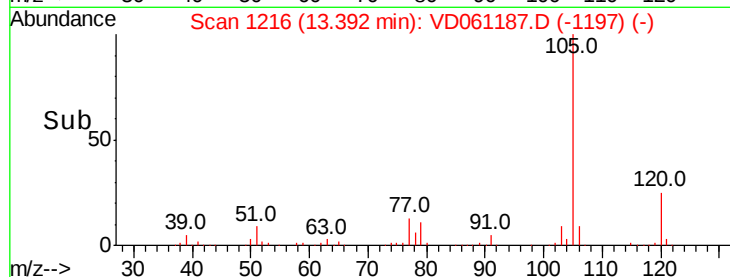
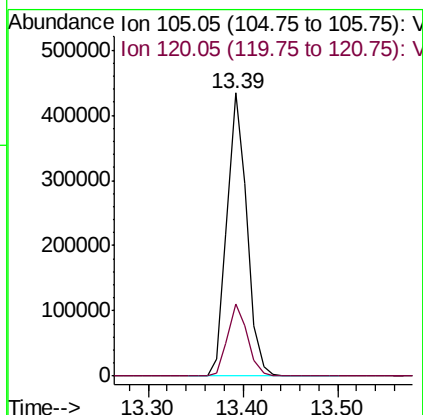
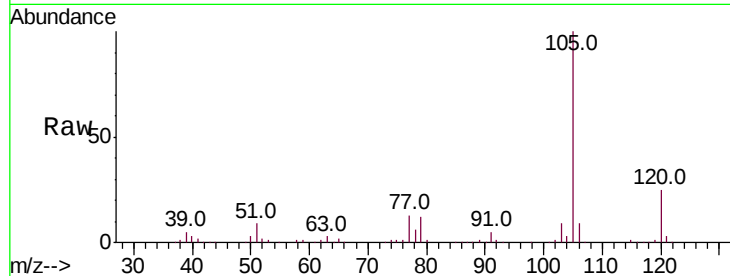




#73
Isopropylbenzene
Concen: 21.599 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

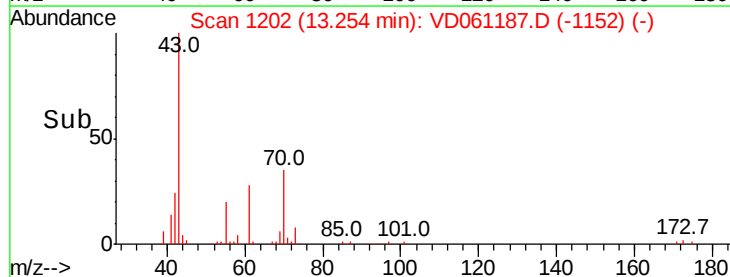
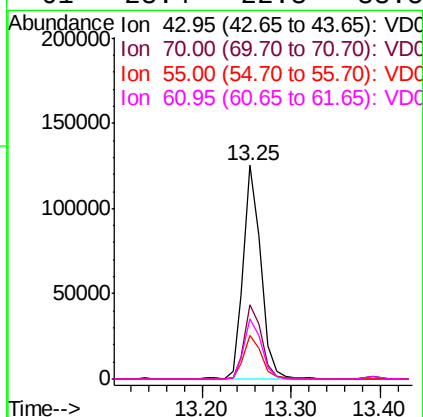
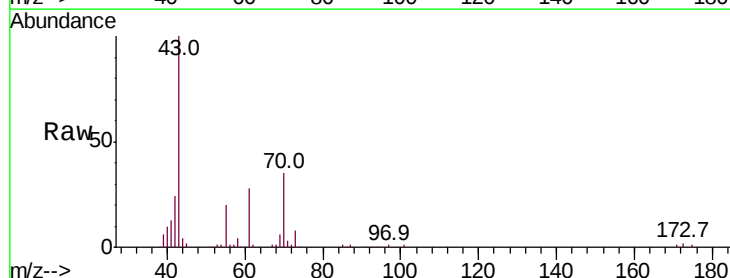
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

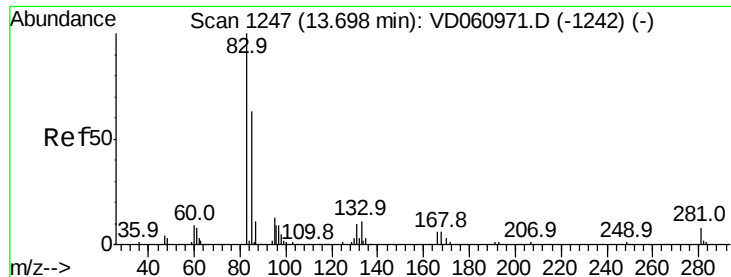
Tot Ion:105 Resp: 632776
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4



#74
N-ethyl acetate
Concen: 20.975 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 43 Resp: 173032
Ion Ratio Lower Upper
43 100
70 34.9 27.7 41.5
55 20.4 16.2 24.2
61 28.4 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.074 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

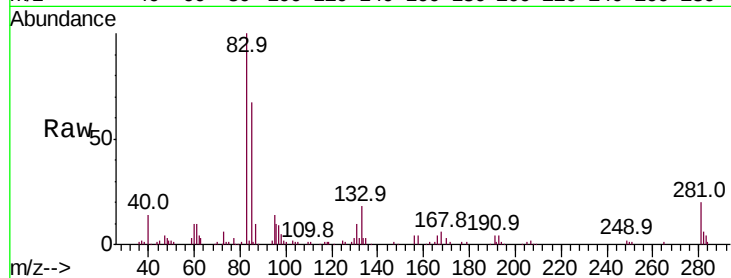
Tot Ion: 83 Resp: 114742

Ion Ratio Lower Upper

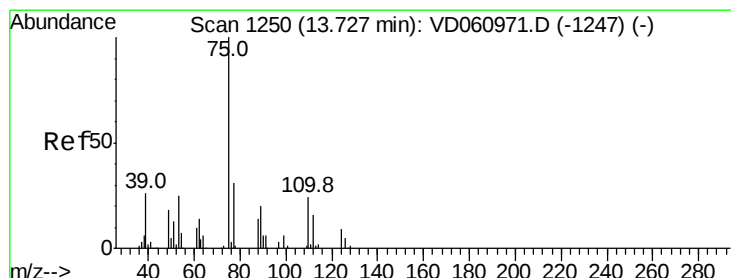
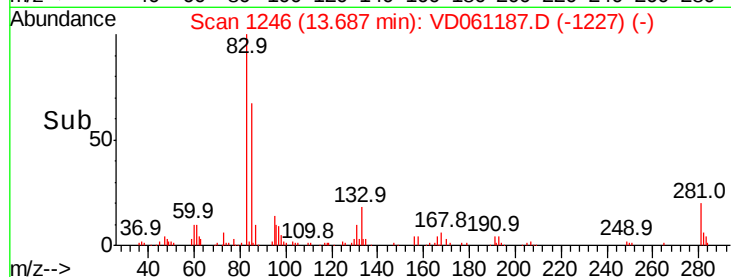
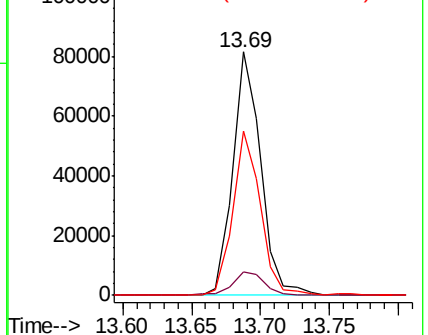
83 100

131 9.6 5.1 15.3

85 67.4 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: 19.253 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061187.D

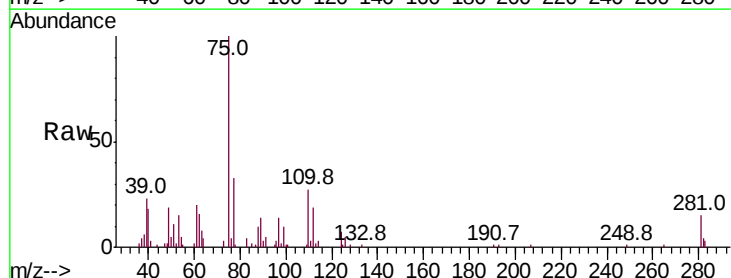
Acq: 19 Mar 2019 16:11

Tgt Ion: 75 Resp: 112600

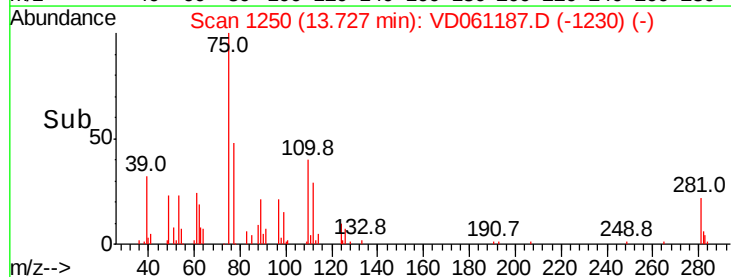
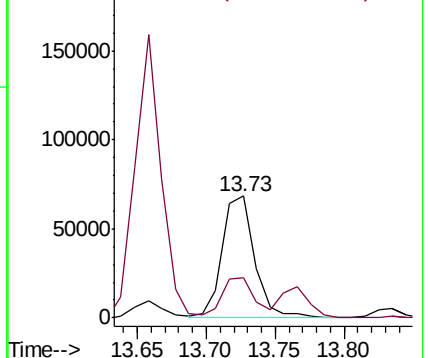
Ion Ratio Lower Upper

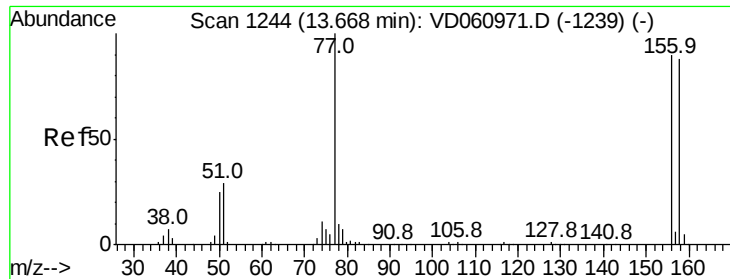
75 100

77 32.8 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: 22.362 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

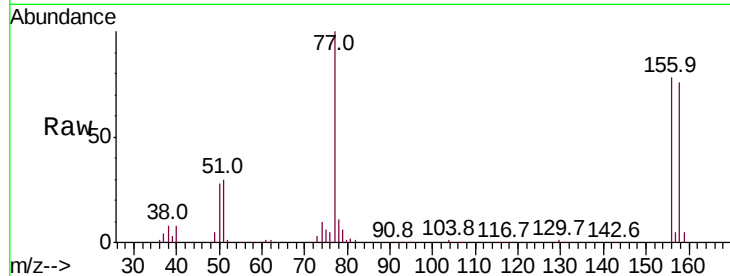
Tot Ion:156 Resp: 167235

Ion Ratio Lower Upper

156 100

77 128.0 55.5 166.7

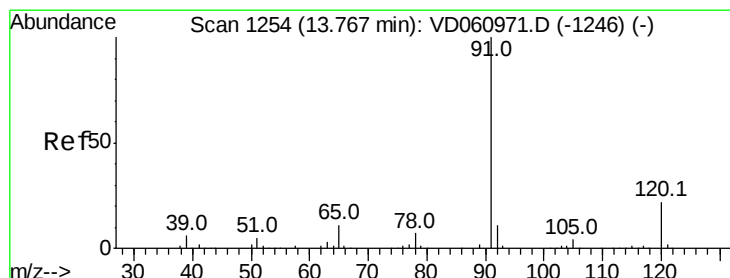
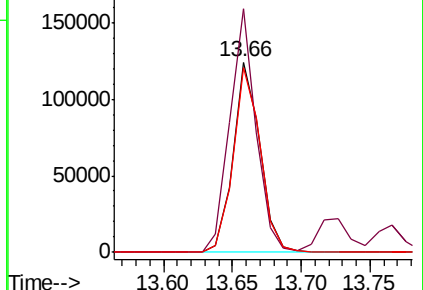
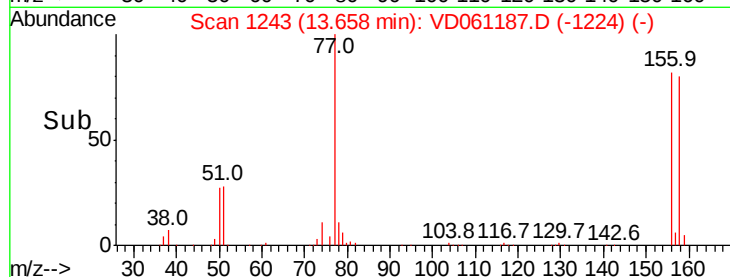
158 97.3 49.0 147.0



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: 20.724 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061187.D

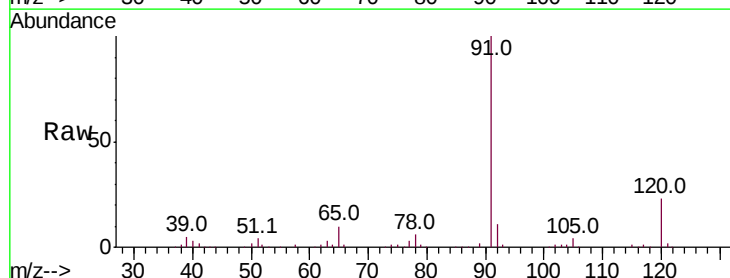
Acq: 19 Mar 2019 16:11

Tgt Ion: 91 Resp: 710781

Ion Ratio Lower Upper

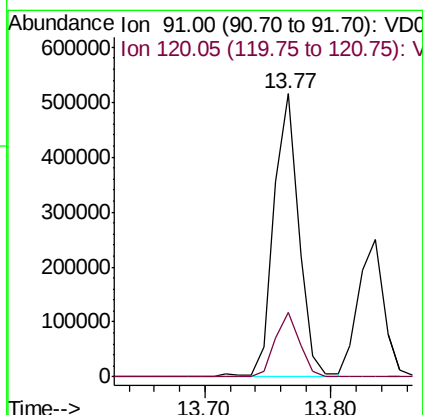
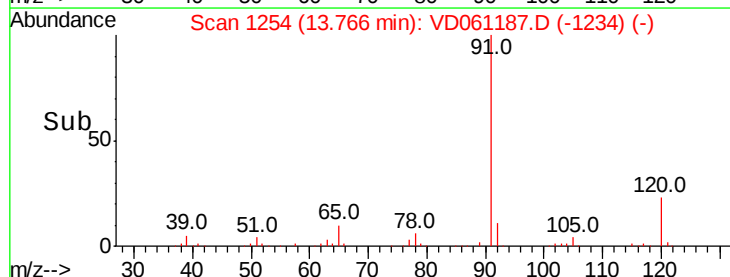
91 100

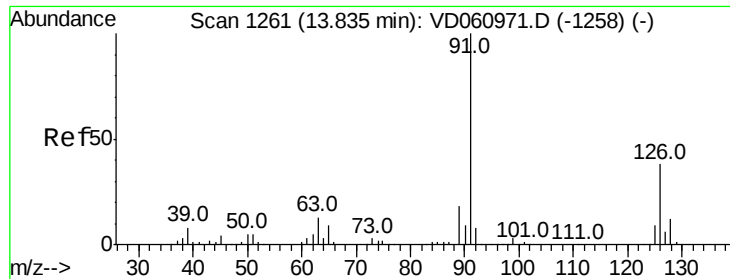
120 22.9 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.605 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

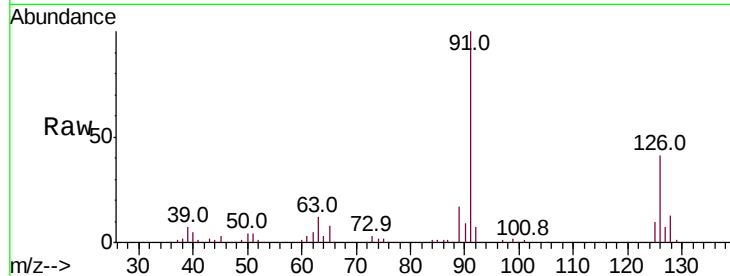
VD0319SBS01

Tot Ion: 91 Resp: 351297

Ion Ratio Lower Upper

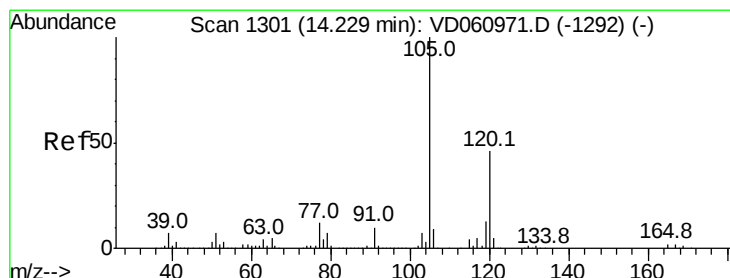
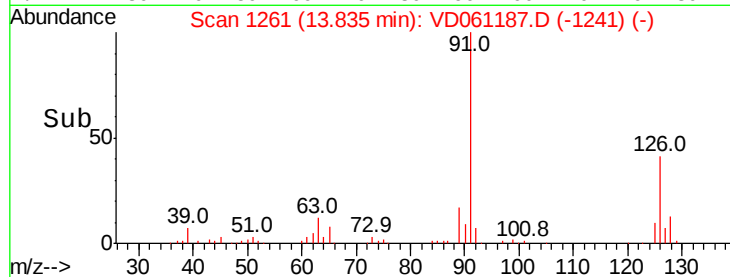
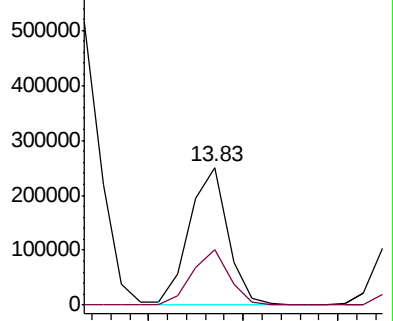
91 100

126 40.7 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.009 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061187.D

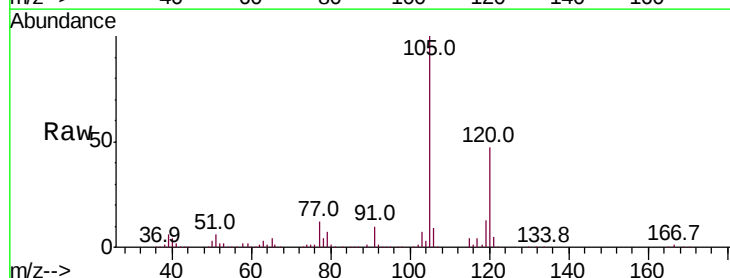
Acq: 19 Mar 2019 16:11

Tgt Ion:105 Resp: 467263

Ion Ratio Lower Upper

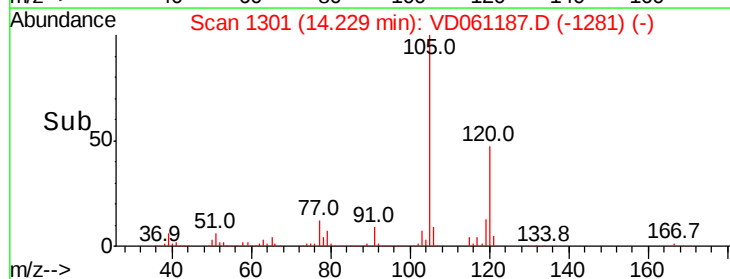
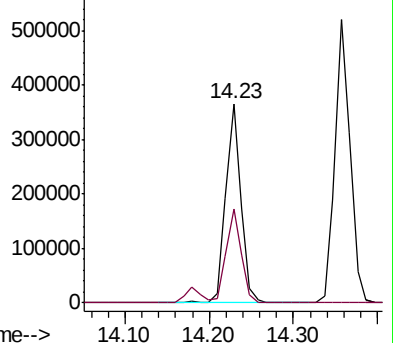
105 100

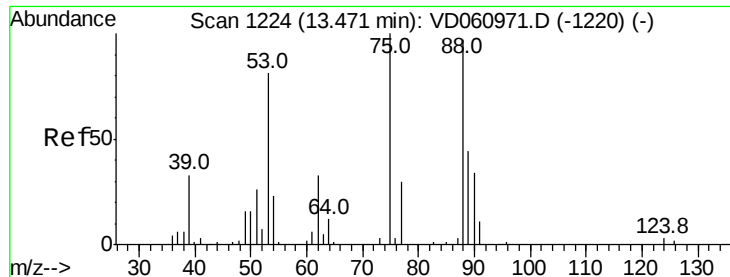
120 47.3 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.708 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBSD01

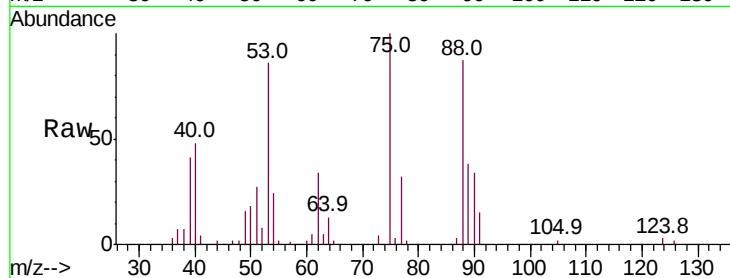
Tot Ion: 75 Resp: 32257

Ion Ratio Lower Upper

75 100

53 85.7 64.4 96.6

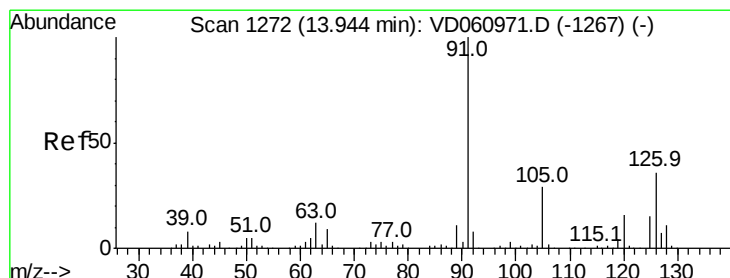
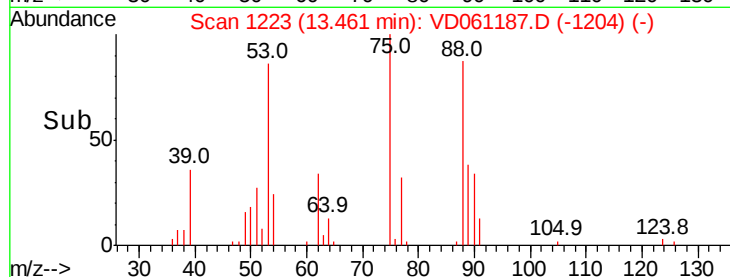
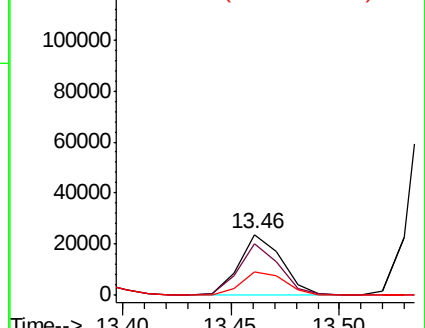
89 38.3 34.8 52.2



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: 19.940 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061187.D

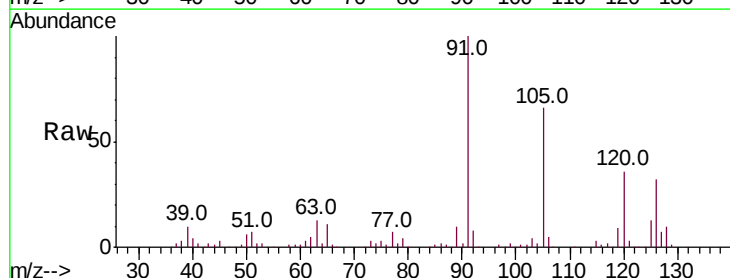
Acq: 19 Mar 2019 16:11

Tgt Ion: 91 Resp: 445122

Ion Ratio Lower Upper

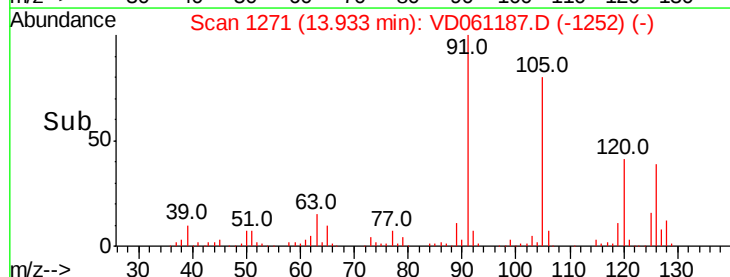
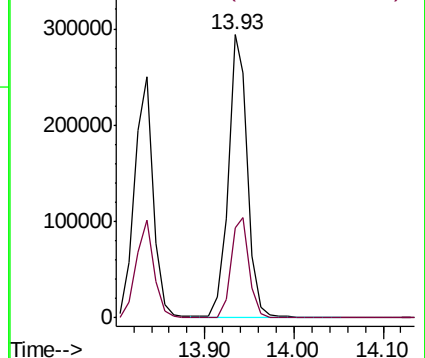
91 100

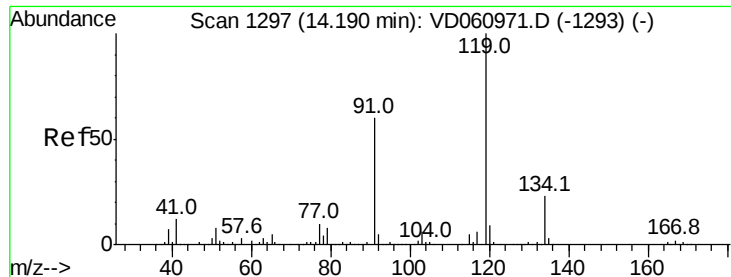
126 32.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.204 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

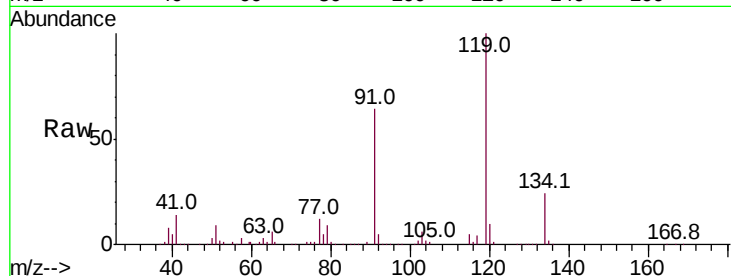
Tot Ion:119 Resp: 516110

Ion Ratio Lower Upper

119 100

91 64.3 30.1 90.3

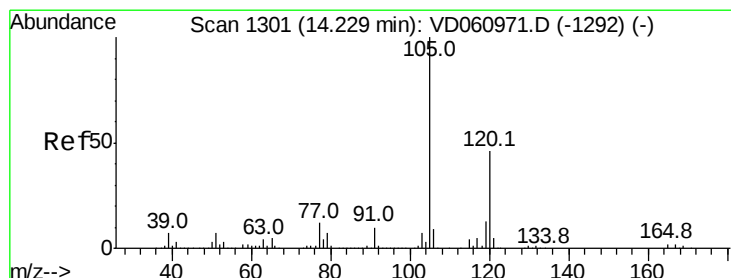
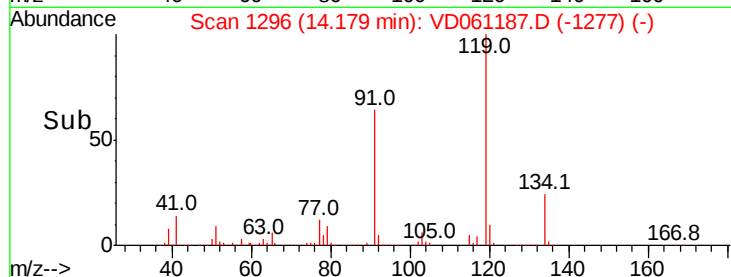
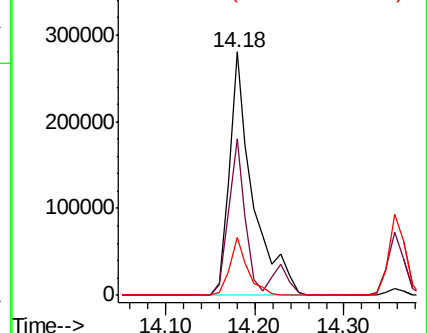
134 23.6 11.6 34.7



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: 21.009 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061187.D

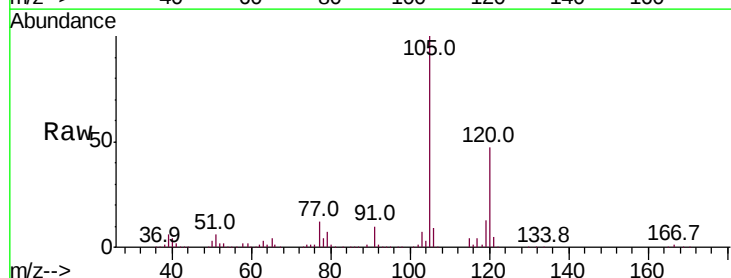
Acq: 19 Mar 2019 16:11

Tgt Ion:105 Resp: 467263

Ion Ratio Lower Upper

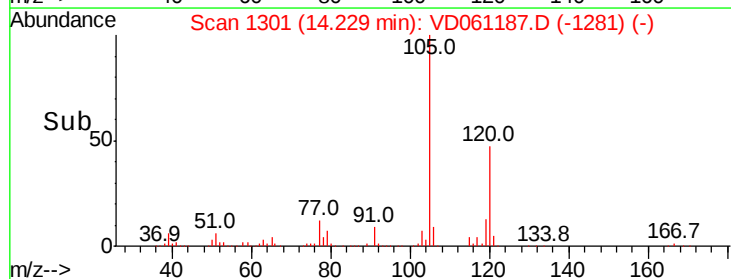
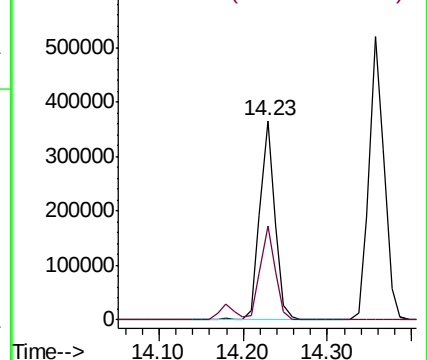
105 100

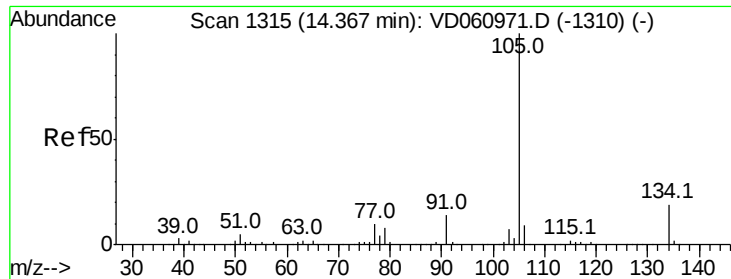
120 47.3 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.887 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

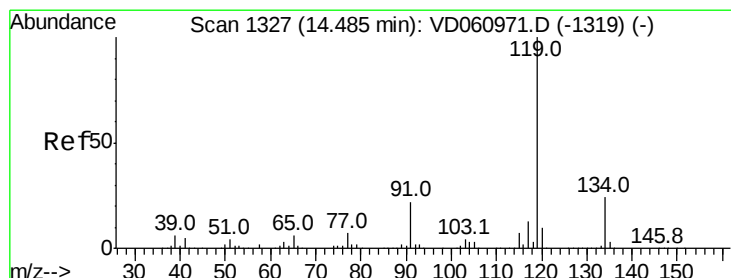
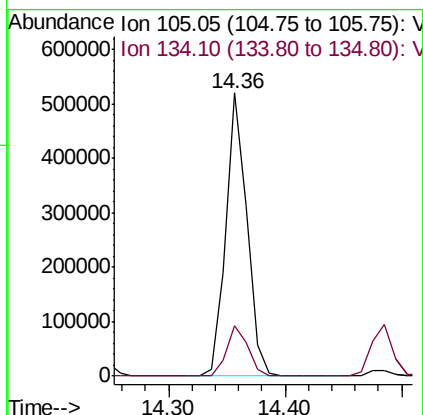
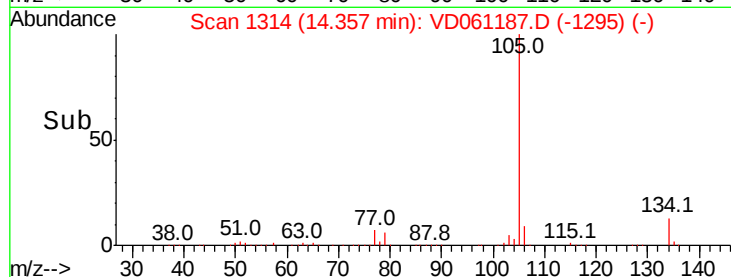
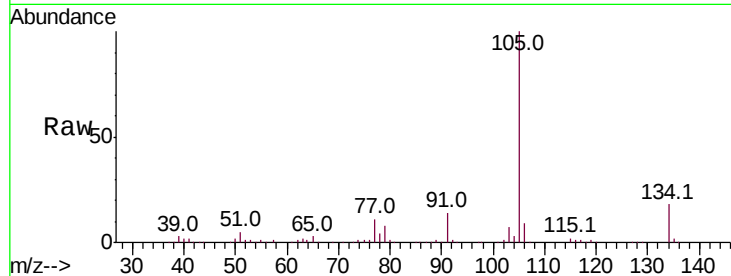
VD0319SBS01

Tot Ion:105 Resp: 650384

Ion Ratio Lower Upper

105 100

134 18.0 9.4 28.2



#86

p-Isopropyltoluene

Concen: 20.663 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

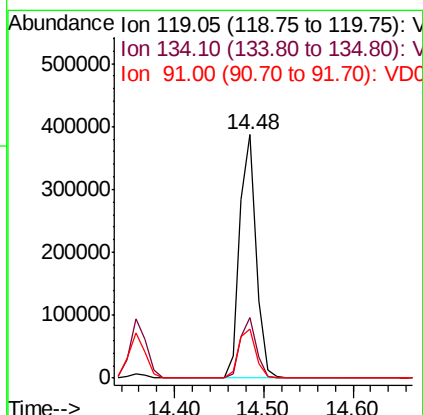
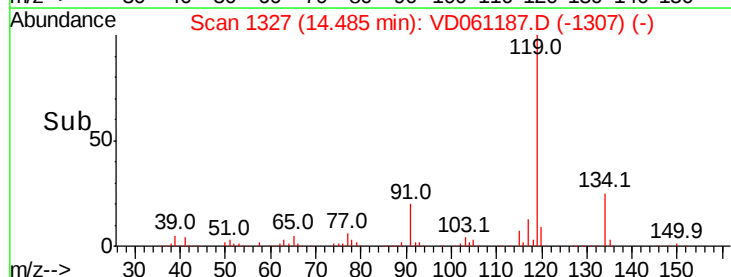
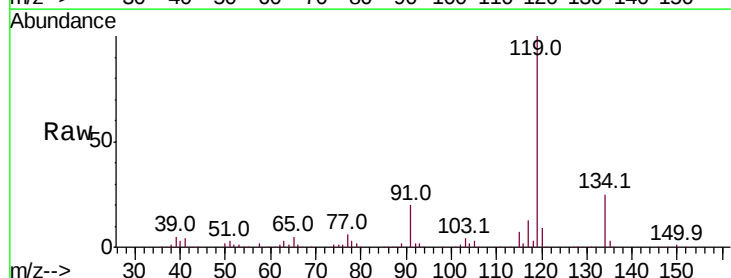
Tgt Ion:119 Resp: 501886

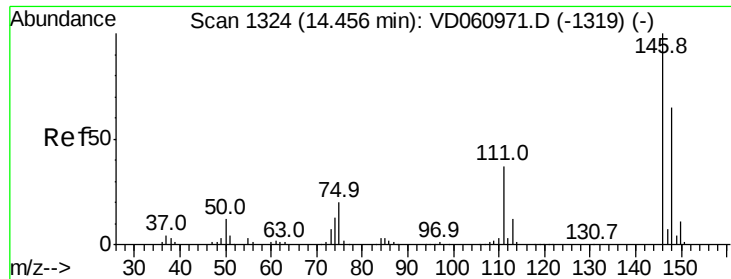
Ion Ratio Lower Upper

119 100

134 24.8 12.0 36.1

91 20.3 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 20.112 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

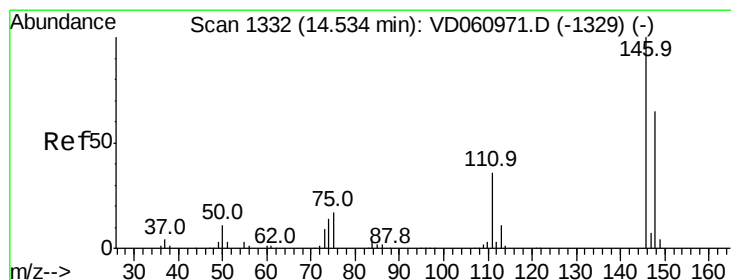
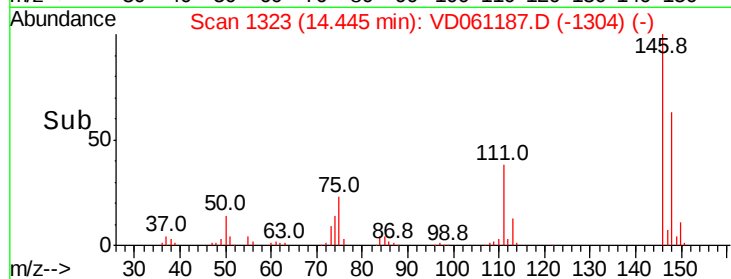
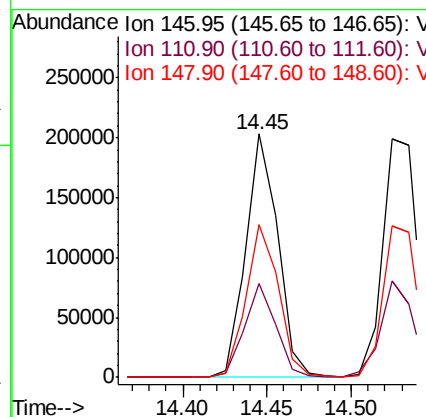
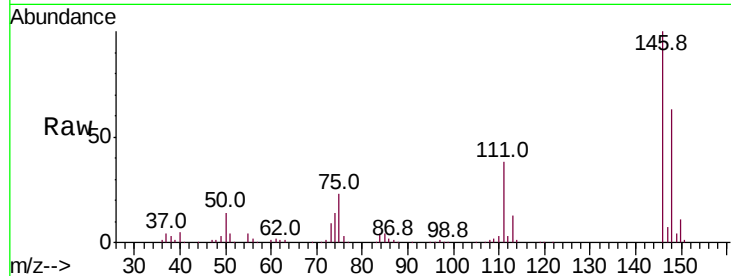
Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

Tot Ion:146 Resp: 268584

Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.4
148	62.9	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 21.787 ug/l

RT: 14.52 min Scan# 1331

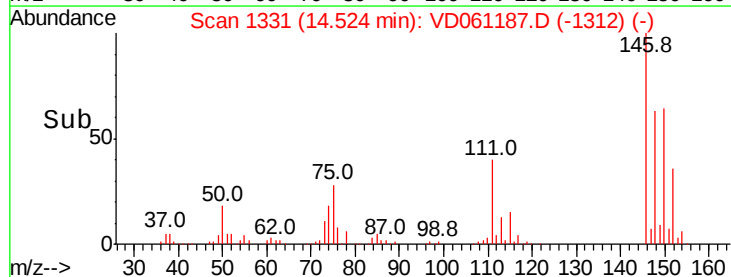
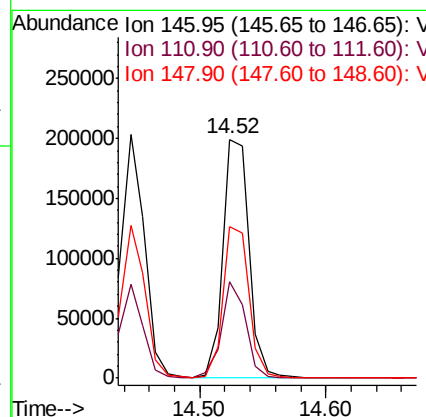
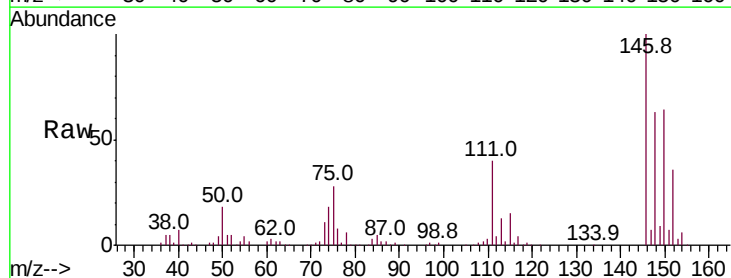
Delta R.T. -0.01 min

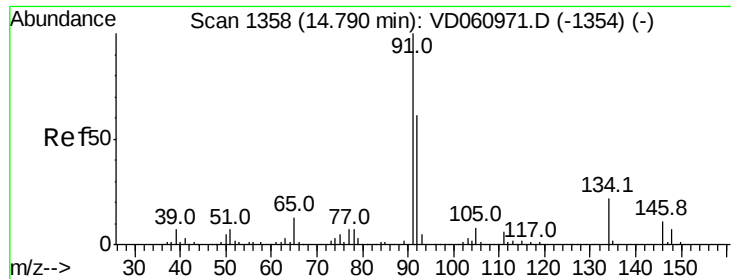
Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Tgt Ion:146 Resp: 285905

Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.4	55.2
148	63.3	32.5	97.5

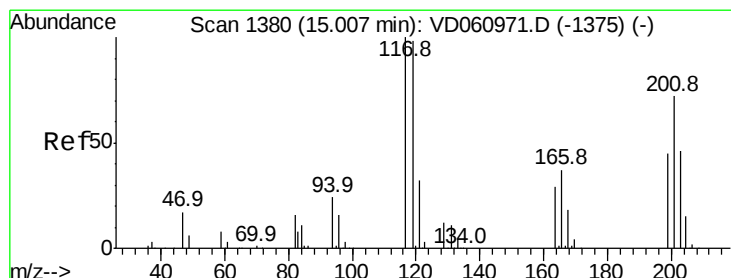
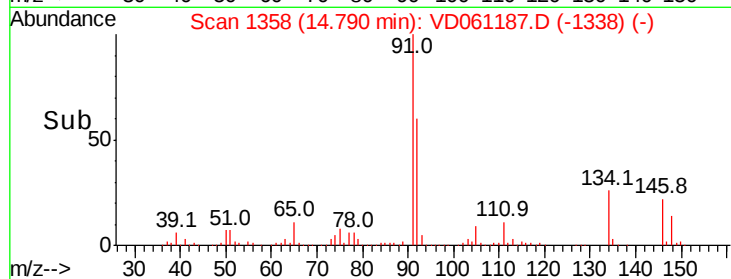
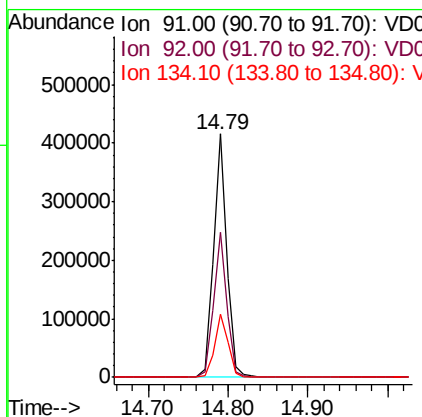
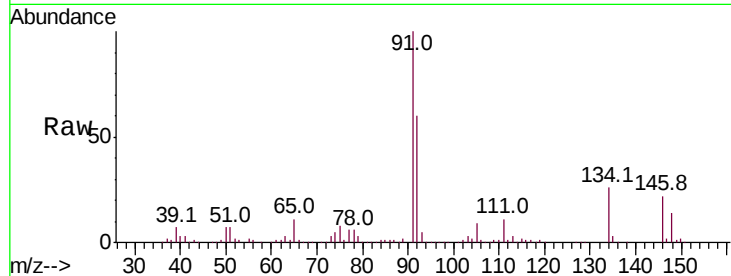




#89
n-Butylbenzene
Concen: 20.939 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

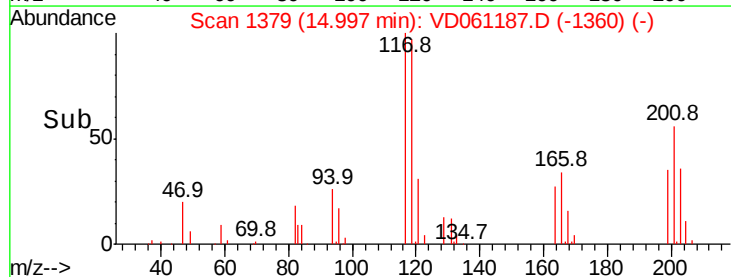
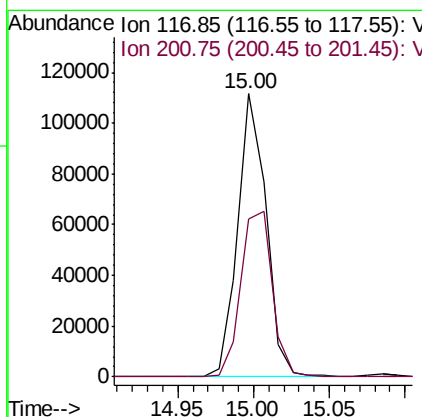
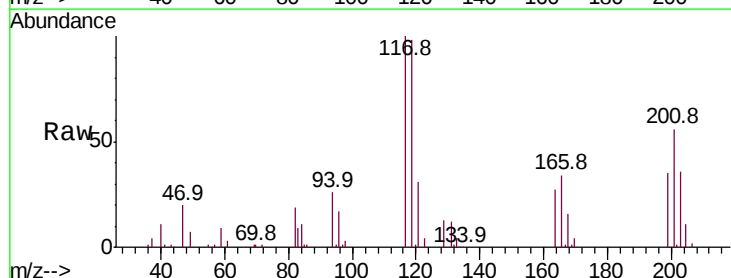
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

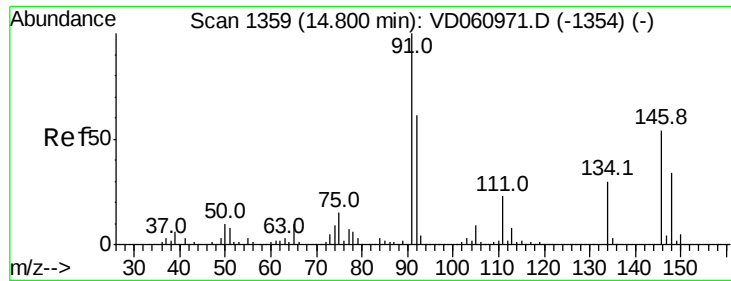
Tot Ion: 91 Resp: 488413
Ion Ratio Lower Upper
91 100
92 59.8 30.6 91.8
134 25.7 11.0 33.0



#90
Hexachloroethane
Concen: 21.189 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061187.D
Acq: 19 Mar 2019 16:11

Tgt Ion: 117 Resp: 145325
Ion Ratio Lower Upper
117 100
201 56.0 36.2 108.6

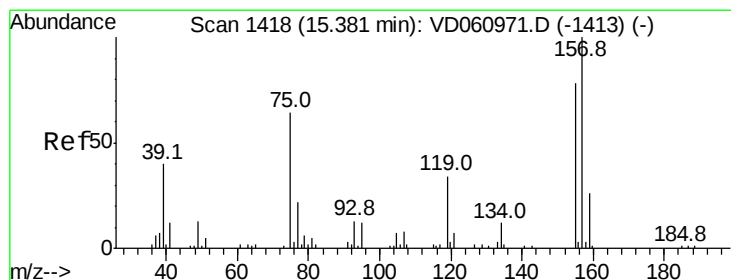
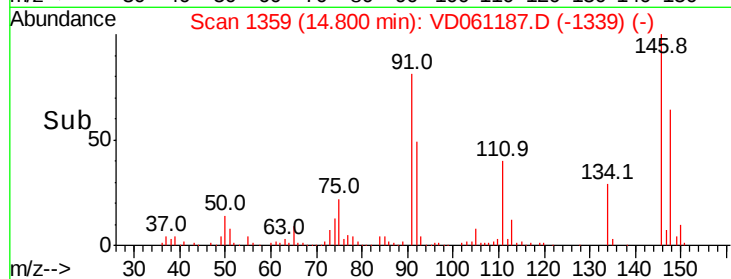
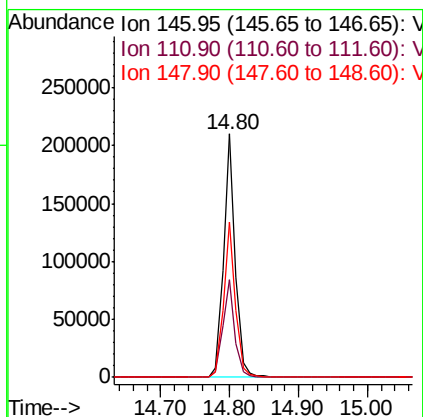
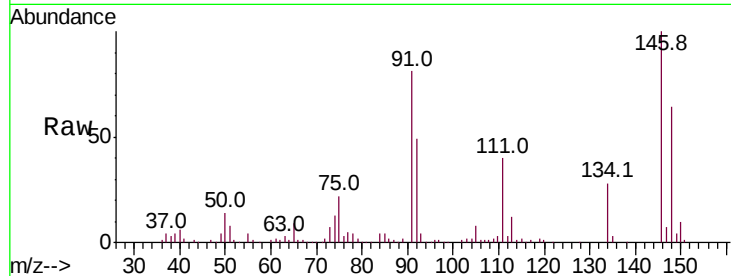




#91
 1,2-Dichlorobenzene
 Concen: 22.287 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

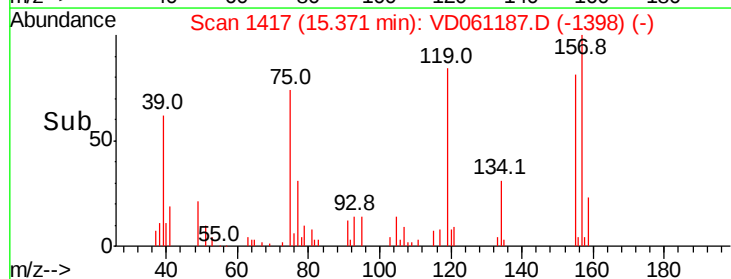
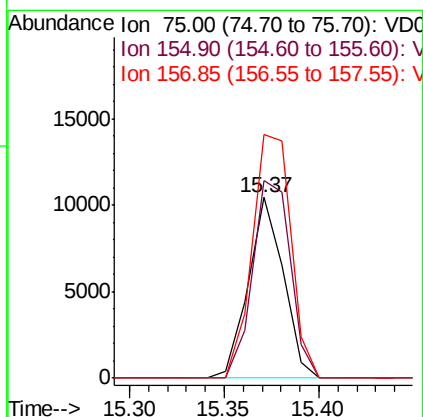
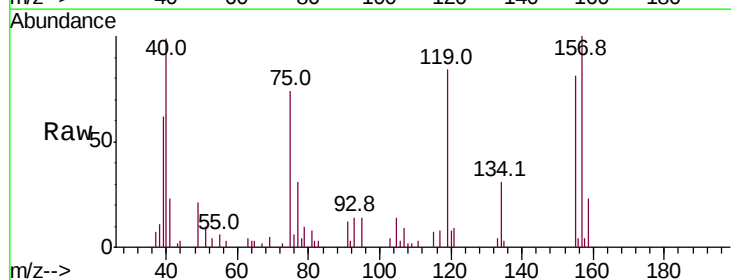
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBSD01

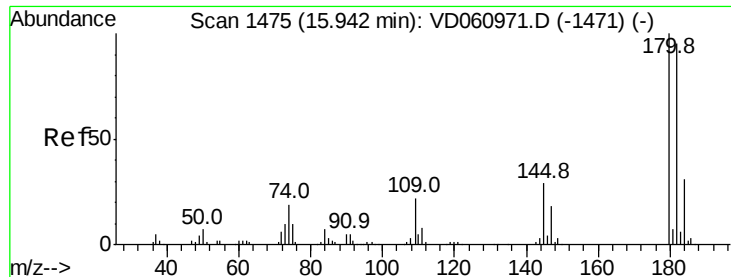
Tot Ion:146 Resp: 248121
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.5 64.5
 148 63.6 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.440 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Tgt Ion: 75 Resp: 13390
 Ion Ratio Lower Upper
 75 100
 155 109.3 61.2 183.5
 157 134.8 78.3 234.8

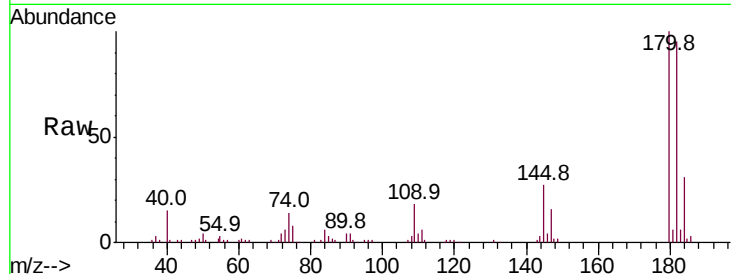




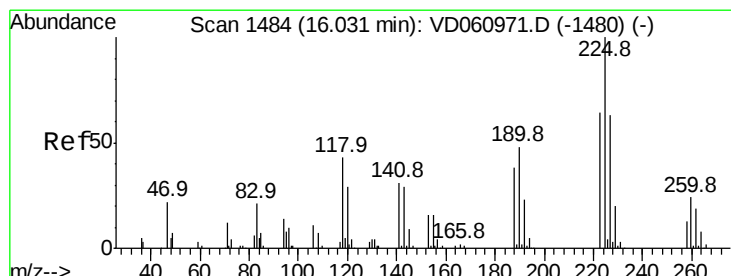
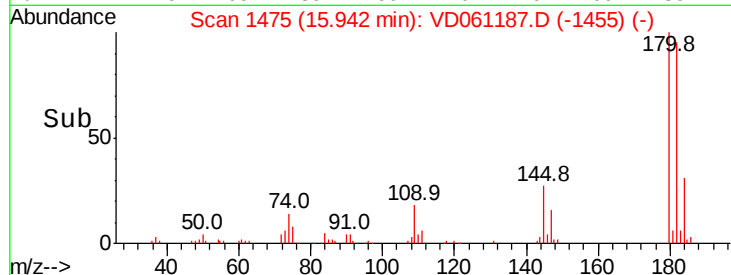
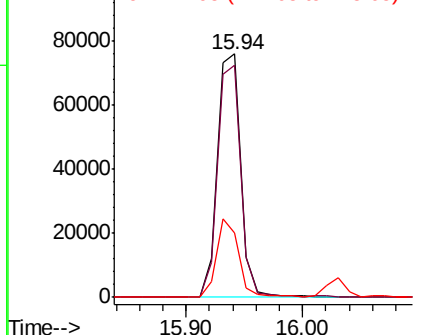
#93
 1,2,4-Trichlorobenzene
 Concen: 20.467 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

Tot Ion:180 Resp: 105703
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 142.0
 145 26.7 14.4 43.0

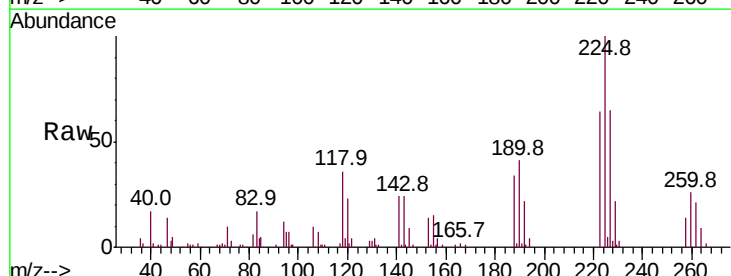


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

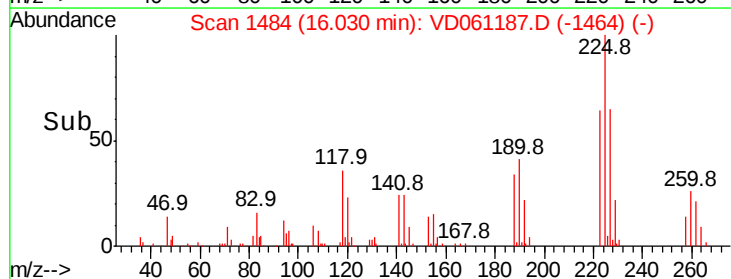
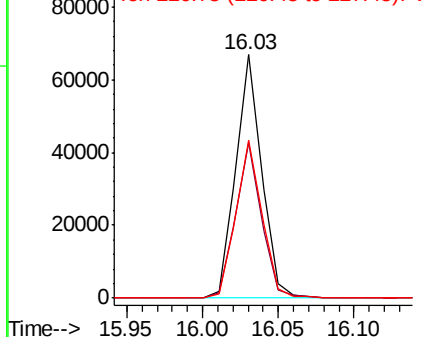


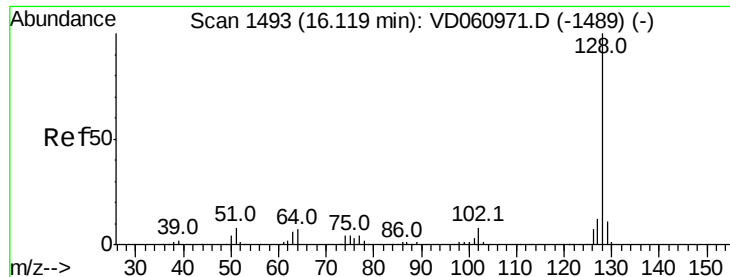
#94
 Hexachlorobutadiene
 Concen: 20.246 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061187.D
 Acq: 19 Mar 2019 16:11

Tgt Ion:225 Resp: 79087
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.8 95.3
 227 65.0 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: 22.162 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

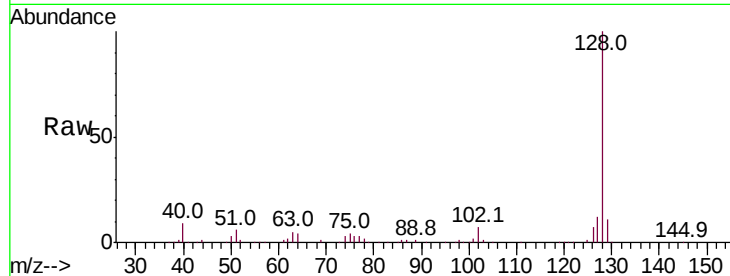
Tot Ion:128 Resp: 173927

Ion Ratio Lower Upper

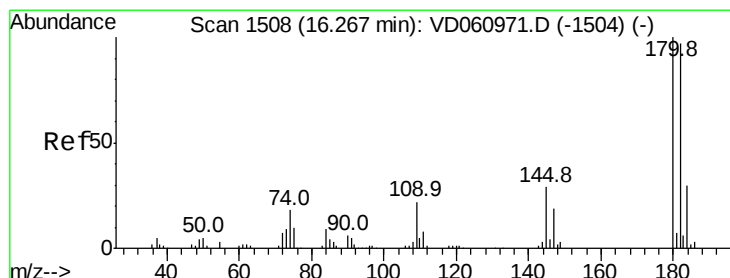
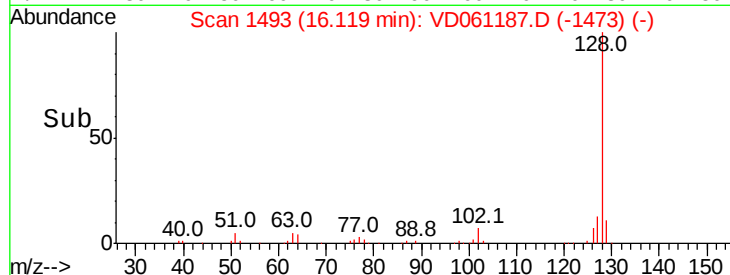
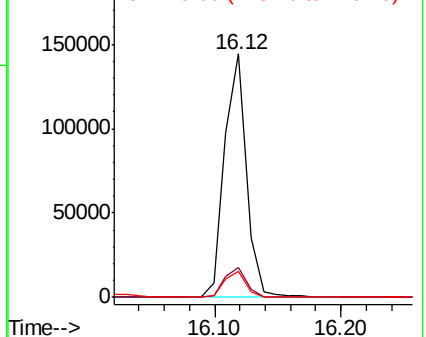
128 100

127 12.5 9.8 14.8

129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.363 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD061187.D

Acq: 19 Mar 2019 16:11

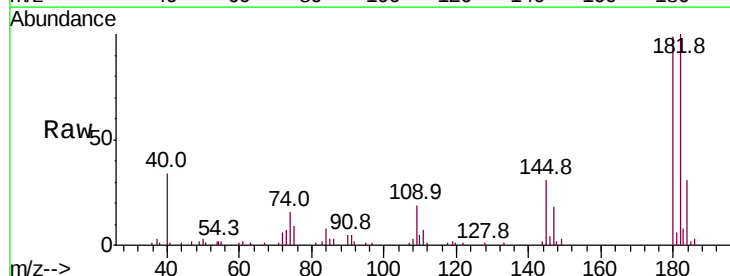
Tgt Ion:180 Resp: 46840

Ion Ratio Lower Upper

180 100

182 100.6 48.6 145.8

145 31.2 14.3 42.9



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

