

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061928.D
 Acq On : 20 Apr 2019 3:02
 Operator : VA/AP
 Sample : VD9419SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

Quant Time: Apr 20 04:15:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	462500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	793231	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	637382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	332782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	217151	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
35) Dibromofluoromethane	6.94	113	320240	53.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.42	98	697417	49.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	13.56	95	281161	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	86939	19.259	ug/l	99
3) Chloromethane	1.75	50	75670	21.034	ug/l	96
4) Vinyl Chloride	1.85	62	67985	19.041	ug/l	98
5) Bromomethane	2.15	94	19581	22.478	ug/l #	90
6) Chloroethane	2.25	64	22316	18.322	ug/l	92
7) Trichlorofluoromethane	2.53	101	106527	18.396	ug/l	96
8) Diethyl Ether	2.87	74	29023	19.125	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	100583	19.481	ug/l	96
10) Methyl Iodide	3.31	142	103142	15.148	ug/l	98
11) Tert butyl alcohol	4.07	59	26880	117.591	ug/l	97
12) 1,1-Dichloroethene	3.13	96	81648	18.810	ug/l	98
13) Acrolein	3.04	56	15956	72.104	ug/l	92
14) Allyl chloride	3.62	41	110539	18.683	ug/l	97
15) Acrylonitrile	4.20	53	78151	108.902	ug/l	99
16) Acetone	3.23	43	85904	89.920	ug/l	97
17) Carbon Disulfide	3.39	76	226078	16.120	ug/l	99
18) Methyl Acetate	3.65	43	41361	21.601	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	191641	23.658	ug/l	94
20) Methylene Chloride	3.83	84	120154	22.808	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	94890	19.892	ug/l	96
22) Diisopropyl ether	5.13	45	269724	21.327	ug/l	93
23) Vinyl Acetate	5.07	43	766776	113.416	ug/l	99
24) 1,1-Dichloroethane	5.00	63	164448	21.446	ug/l	98
25) 2-Butanone	6.08	43	135979	125.024	ug/l	99
26) 2,2-Dichloropropane	6.03	77	138444	20.888	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	123502	23.882	ug/l	98
28) Bromochloromethane	6.45	49	69009	23.693	ug/l	94
29) Tetrahydrofuran	6.47	42	63769	120.365	ug/l	96
30) Chloroform	6.67	83	211094	24.682	ug/l	97
31) Cyclohexane	6.97	56	113993	19.419	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	178221	23.507	ug/l	98
36) 1,1-Dichloropropene	7.16	75	139814	21.570	ug/l	97
37) Ethyl Acetate	6.19	43	67220	24.230	ug/l	94
38) Carbon Tetrachloride	7.13	117	169452	20.703	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	119109	17.695	ug/l	95
40) Benzene	7.47	78	320227	20.578	ug/l	96
41) Methacrylonitrile	6.46	41	79228	24.162	ug/l	97
42) 1,2-Dichloroethane	7.59	62	120535	22.240	ug/l	100
43) Isopropyl Acetate	9.25	43	95454	24.450	ug/l	96
44) Trichloroethene	8.55	130	124512	20.784	ug/l	91
45) 1,2-Dichloropropane	8.95	63	82435	20.337	ug/l	98
46) Dibromomethane	9.08	93	68021	23.551	ug/l	99
47) Bromodichloromethane	9.39	83	160849	24.140	ug/l	100
48) Methyl methacrylate	9.13	41	55003	23.968	ug/l	93
49) 1,4-Dioxane	9.10	88	11904	474.590	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	303036	126.929	ug/l	95
52) Toluene	10.52	92	217453	21.805	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	128794	21.451	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	156922	22.265	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	72148	21.470	ug/l	98
56) Ethyl methacrylate	11.05	69	96371	26.130	ug/l	94
57) 1,3-Dichloropropane	11.42	76	116072	22.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	224972	128.246	ug/l	99
59) 2-Hexanone	11.54	43	209993	118.425	ug/l	99
60) Dibromochloromethane	11.69	129	124110	22.572	ug/l	96
61) 1,2-Dibromoethane	11.81	107	98877	23.930	ug/l	95
64) Tetrachloroethene	11.27	164	109512	22.910	ug/l	98
65) Chlorobenzene	12.41	112	261652	22.043	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	119806	24.084	ug/l	96
67) Ethyl Benzene	12.53	91	447758	23.555	ug/l	98
68) m/p-Xylenes	12.68	106	300603	42.098	ug/l	95
69) o-Xylene	13.06	106	156821	23.366	ug/l	92
70) Styrene	13.08	104	274880	23.800	ug/l	100
71) Bromoform	13.24	173	75223	25.476	ug/l #	93
73) Isopropylbenzene	13.41	105	463827	21.491	ug/l	99
74) N-amyl acetate	13.27	43	123955	21.359	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	96345	22.584	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	96418	22.062	ug/l	99
77) Bromobenzene	13.68	156	126642	20.657	ug/l	94
78) n-propylbenzene	13.78	91	535080	21.459	ug/l	99
79) 2-Chlorotoluene	13.85	91	290035	19.911	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	353269	20.629	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	25298	19.995	ug/l	85
82) 4-Chlorotoluene	13.96	91	351707	21.095	ug/l	96
83) tert-Butylbenzene	14.19	119	393839	19.587	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	380855	22.125	ug/l	98
85) sec-Butylbenzene	14.37	105	455505	21.914	ug/l	99
86) p-Isopropyltoluene	14.50	119	361498	18.587	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	216538	20.232	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	220861	20.876	ug/l	98
89) n-Butylbenzene	14.81	91	354764	20.607	ug/l	97
90) Hexachloroethane	15.01	117	102200	19.280	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	198416	22.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12441	23.921	ug/l	89

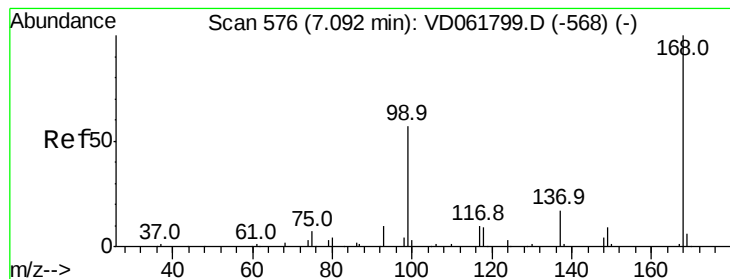
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	102355	20.788	ug/l	98
94) Hexachlorobutadiene	16.05	225	71273	19.974	ug/l	98
95) Naphthalene	16.13	128	175506	23.255	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	65884	23.480	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

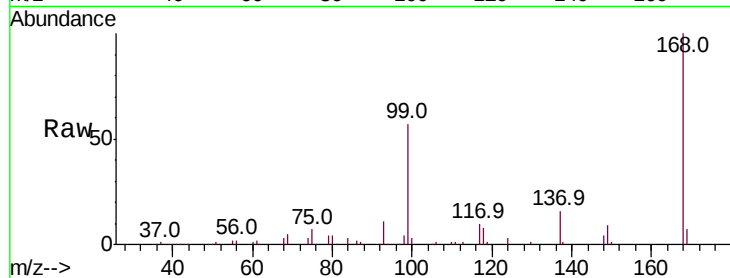
VD9419SBS02

Tot Ion:168 Resp: 462500

Ion Ratio Lower Upper

168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

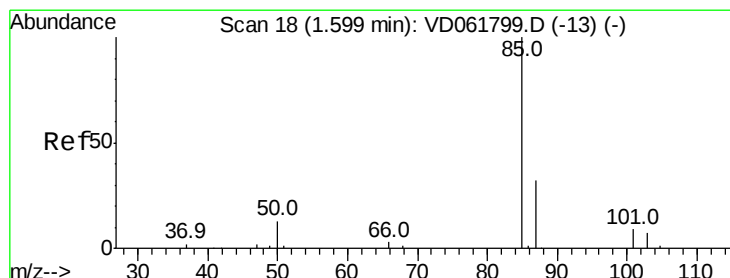
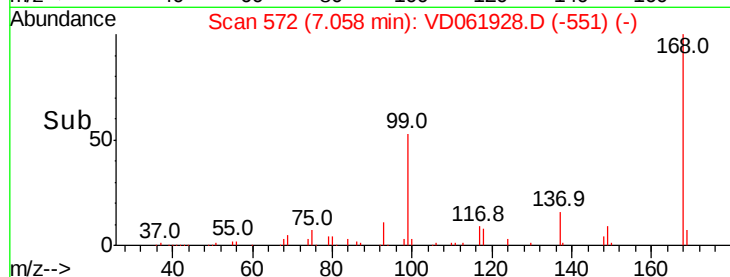
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.259 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061928.D

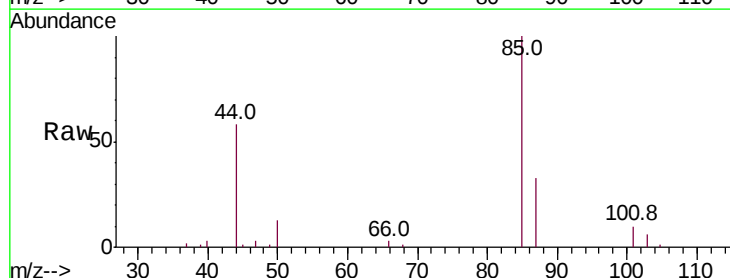
Acq: 20 Apr 2019 3:02

Tgt Ion: 85 Resp: 86939

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

40000

30000

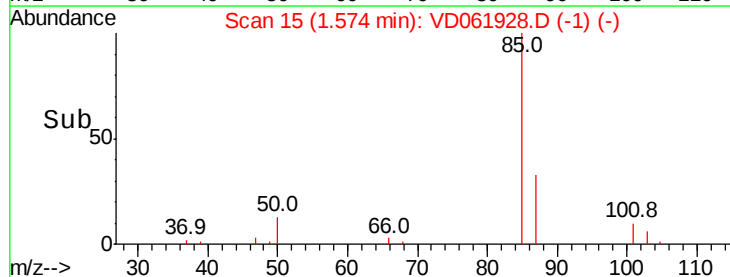
20000

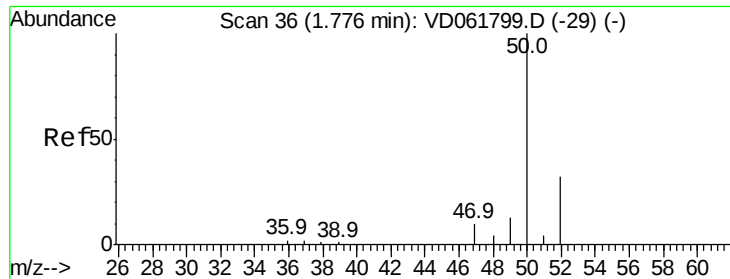
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.034 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

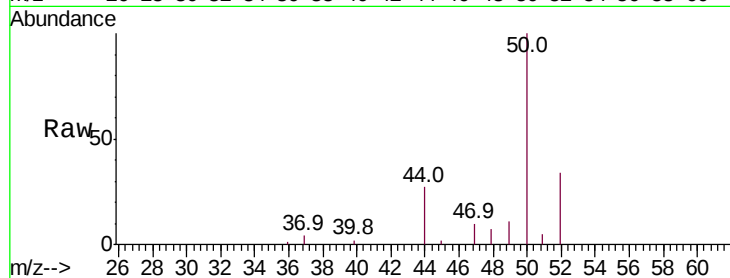
VD9419SBS02

Tot Ion: 50 Resp: 75670

Ion Ratio Lower Upper

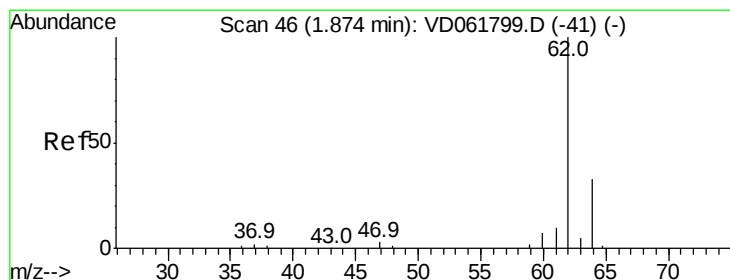
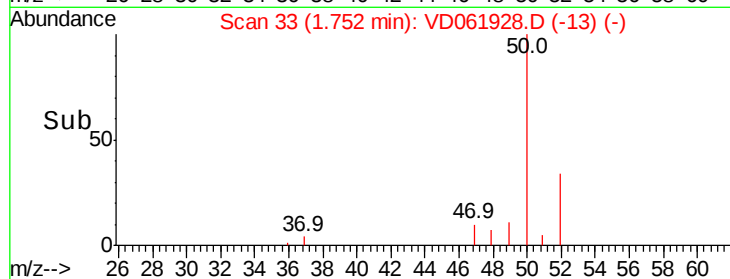
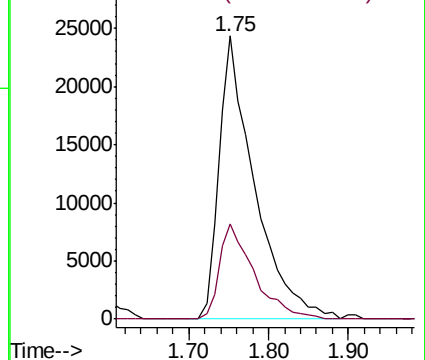
50 100

52 33.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.041 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061928.D

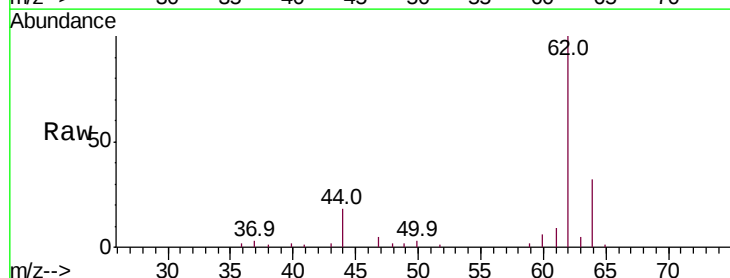
Acq: 20 Apr 2019 3:02

Tgt Ion: 62 Resp: 67985

Ion Ratio Lower Upper

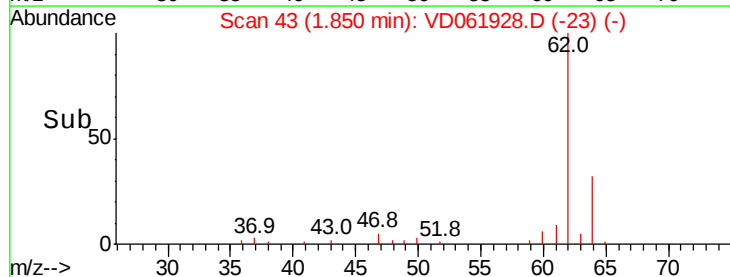
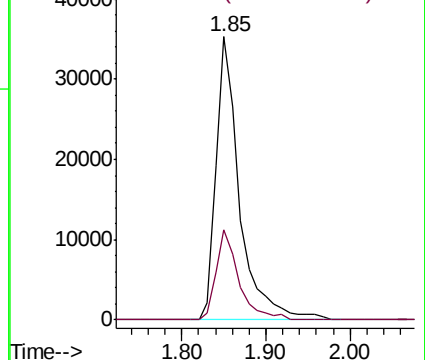
62 100

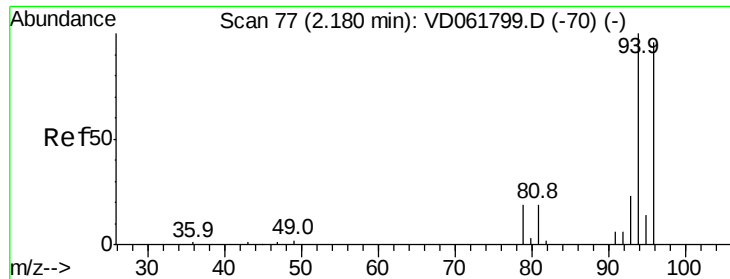
64 32.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 22.478 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

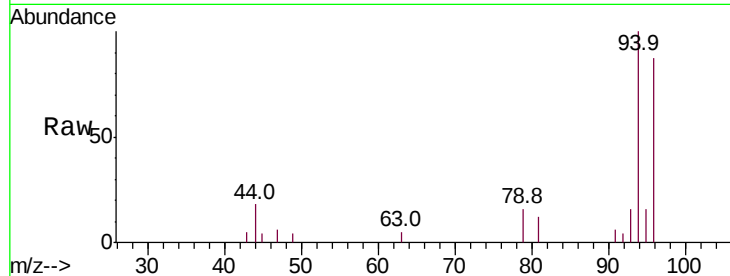
Tot Ion: 94 Resp: 19581

Ion Ratio Lower Upper

94 100

96 86.5 76.6 115.0

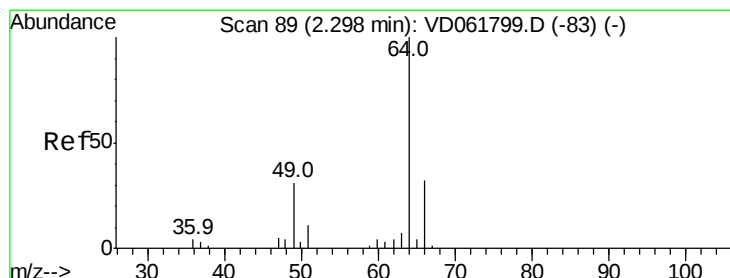
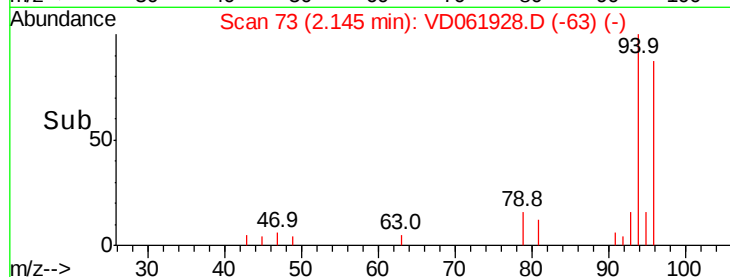
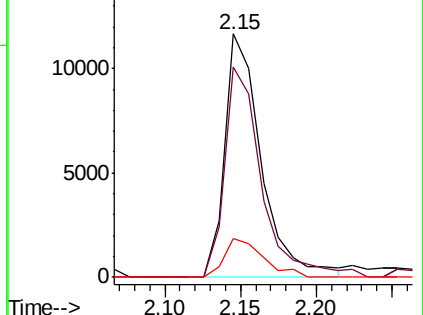
93 16.2 18.5 27.7#



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: 18.322 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061928.D

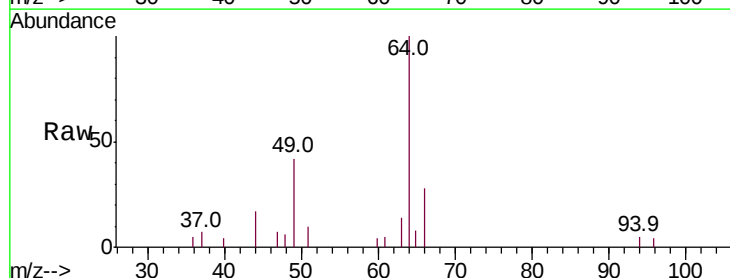
Acq: 20 Apr 2019 3:02

Tgt Ion: 64 Resp: 22316

Ion Ratio Lower Upper

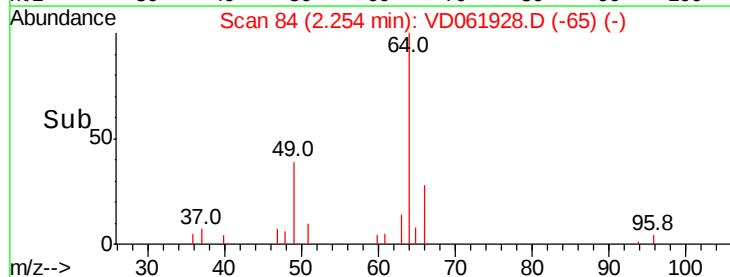
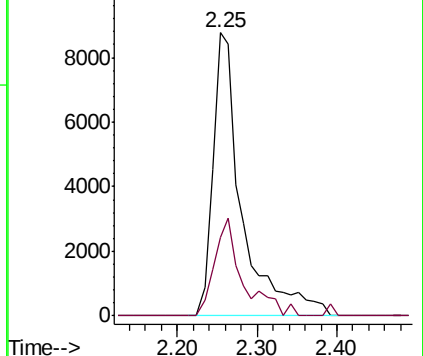
64 100

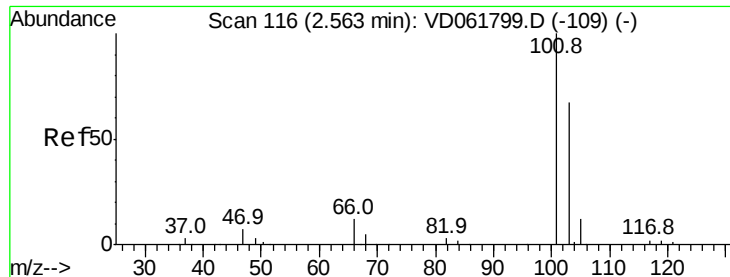
66 27.5 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



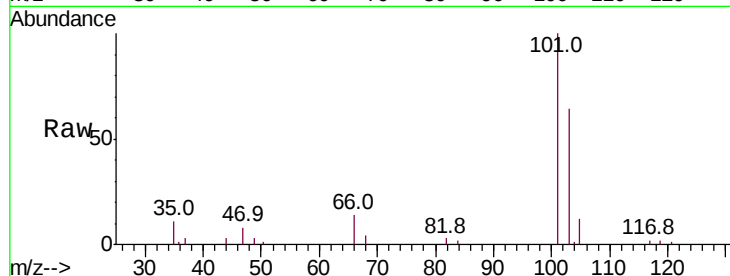


#7

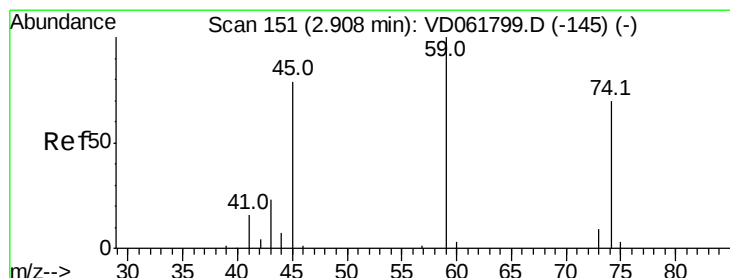
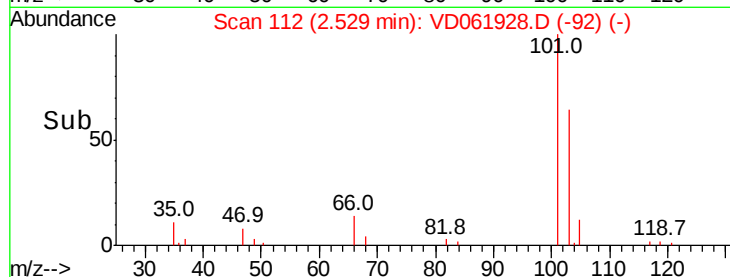
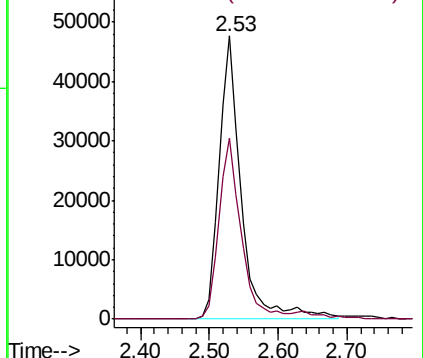
Trichlorofluoromethane
 Concen: 18.396 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Instrument :
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 VD9419SBS02

Tot Ion:101 Resp: 106527
 Ion Ratio Lower Upper
 101 100
 103 64.0 53.6 80.4



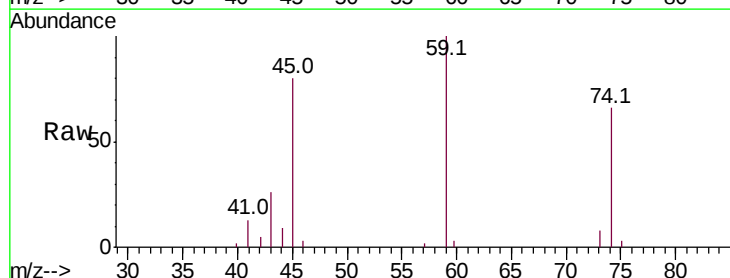
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



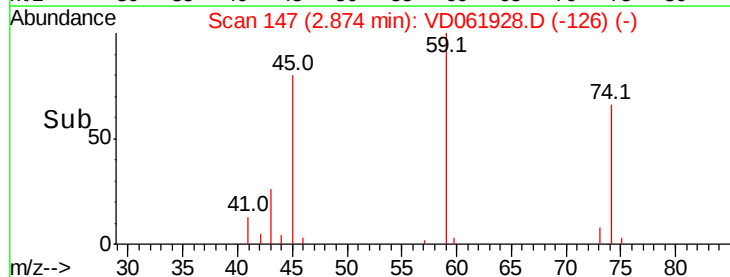
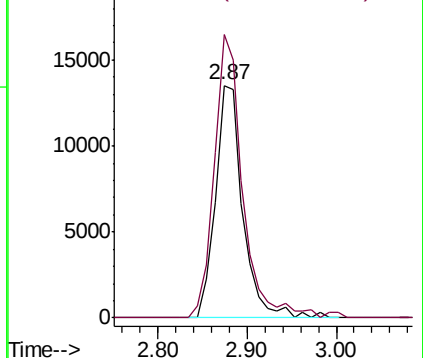
#8

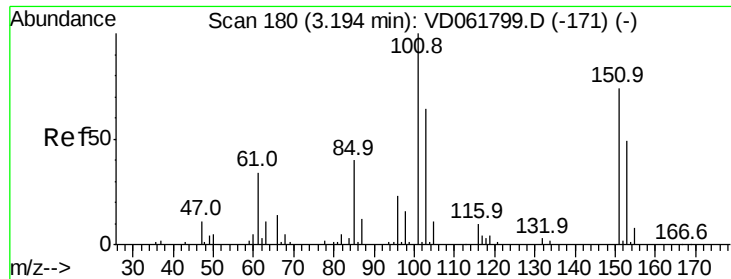
Diethyl Ether
 Concen: 19.125 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion: 74 Resp: 29023
 Ion Ratio Lower Upper
 74 100
 45 121.6 56.9 170.7



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: 19.481 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

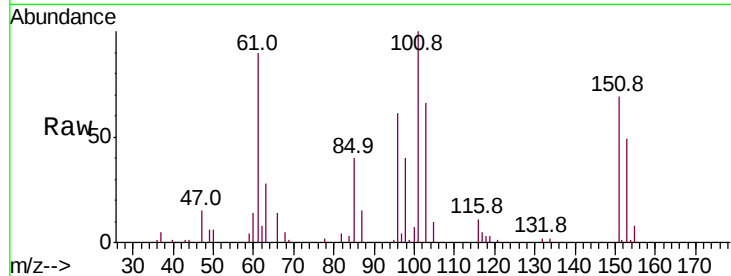
Tot Ion:101 Resp: 100583

Ion Ratio Lower Upper

101 100

85 40.0 32.4 48.6

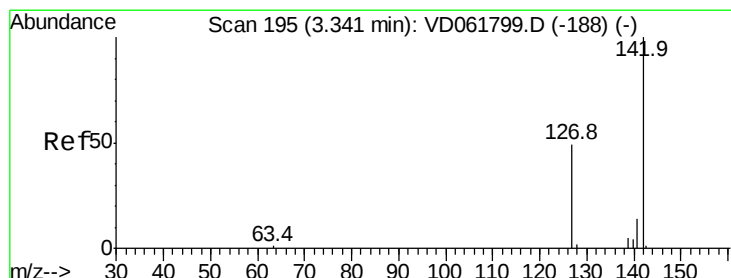
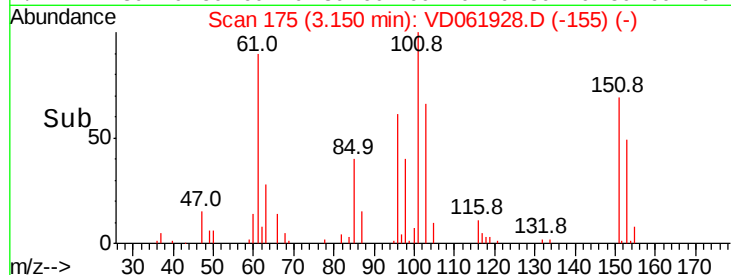
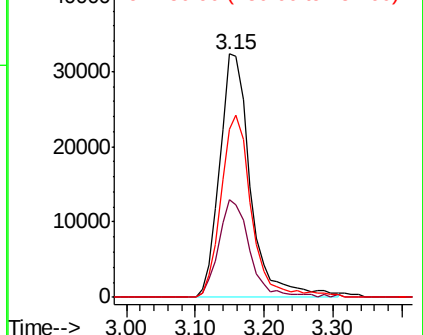
151 69.0 59.4 89.0



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: 15.148 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

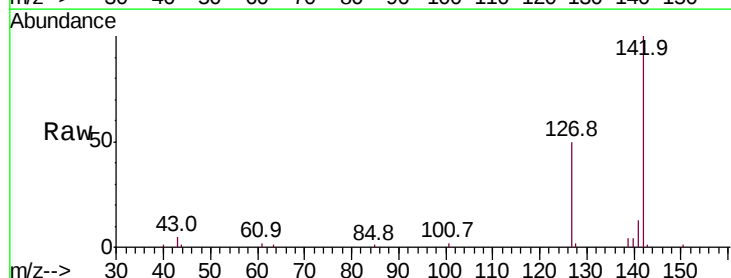
Tgt Ion:142 Resp: 103142

Ion Ratio Lower Upper

142 100

127 49.6 38.8 58.2

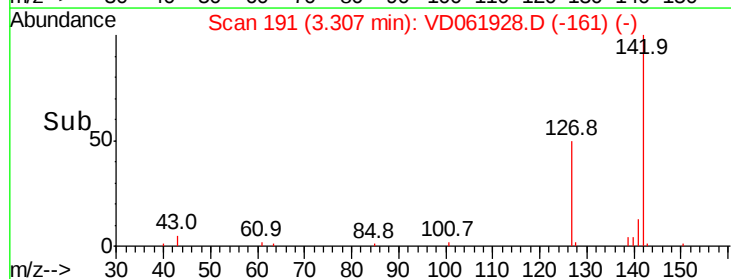
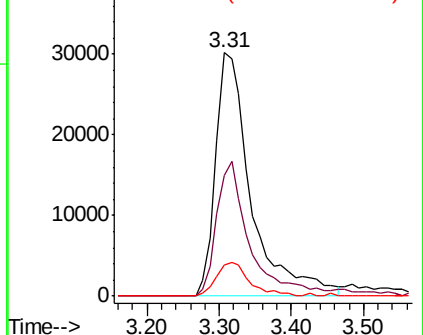
141 12.6 11.4 17.0

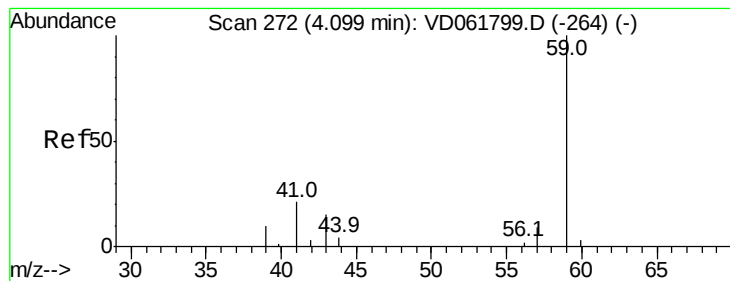


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



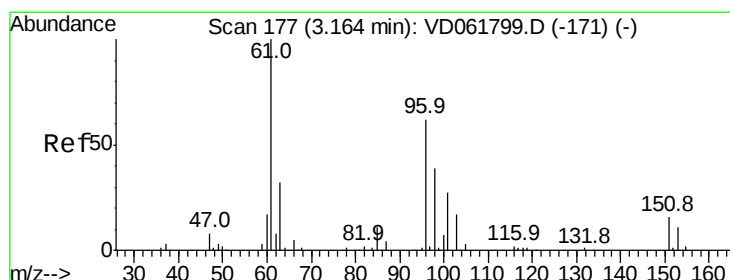
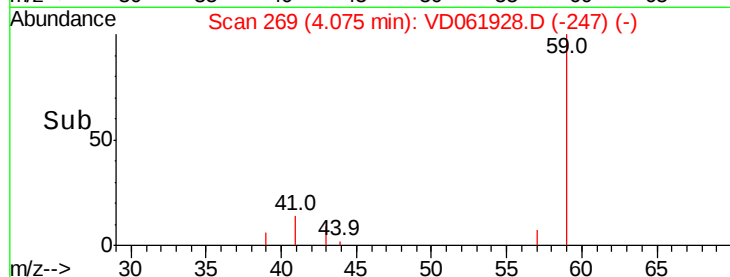
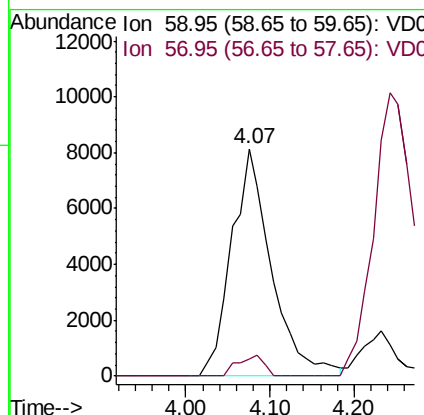
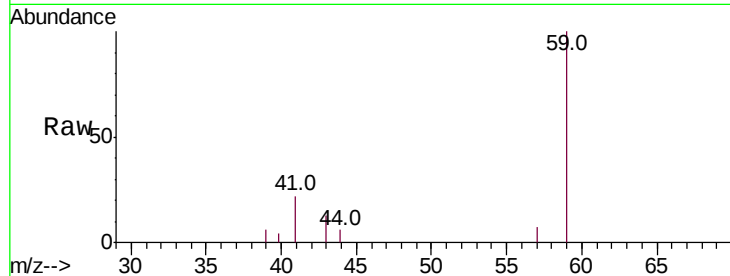


#11

Tert butyl alcohol
 Concen: 117.591 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.02 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

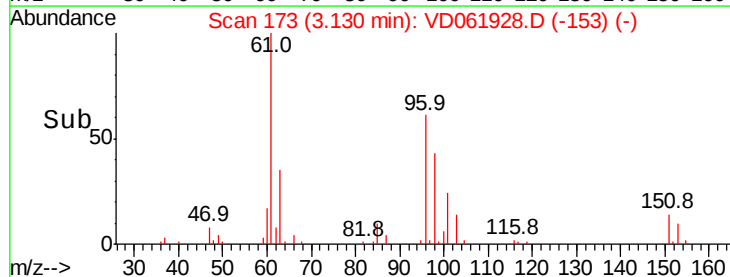
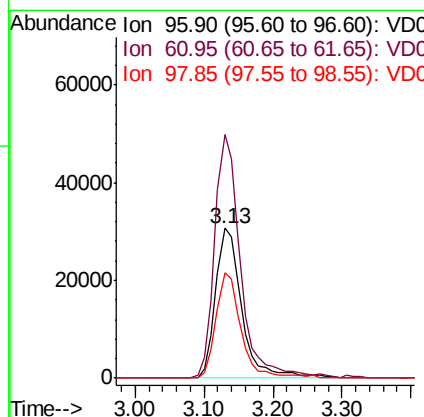
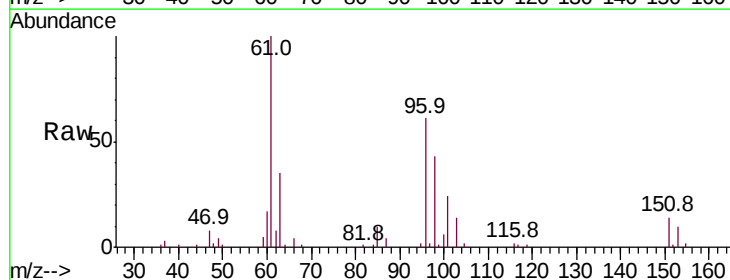
Tot Ion: 59 Resp: 26880
 Ion Ratio Lower Upper
 59 100
 57 7.5 6.9 10.3

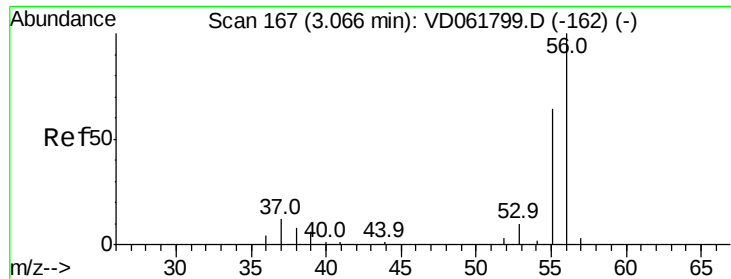


#12

1,1-Dichloroethene
 Concen: 18.810 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion: 96 Resp: 81648
 Ion Ratio Lower Upper
 96 100
 61 162.6 129.8 194.8
 98 70.2 51.2 76.8





#13

Acrolein

Concen: 72.104 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

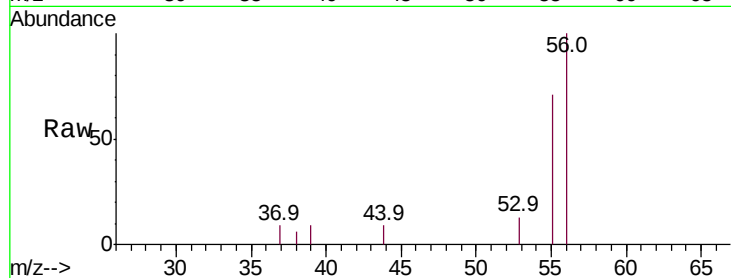
VD9419SBS02

Tot Ion: 56 Resp: 15956

Ion Ratio Lower Upper

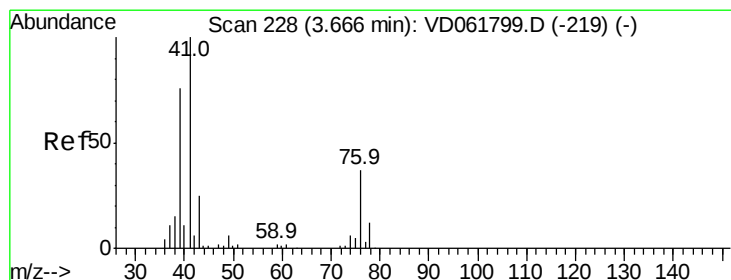
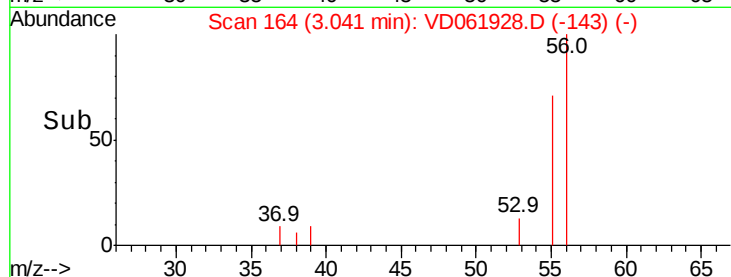
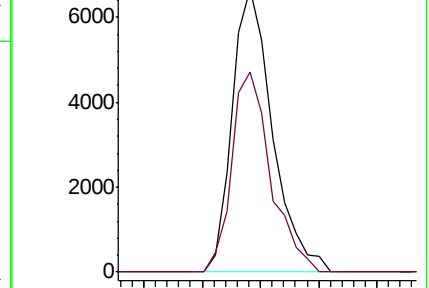
56 100

55 70.7 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.683 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

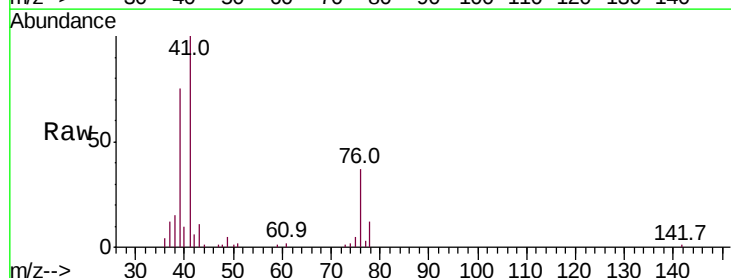
Tgt Ion: 41 Resp: 110539

Ion Ratio Lower Upper

41 100

39 74.6 60.5 90.7

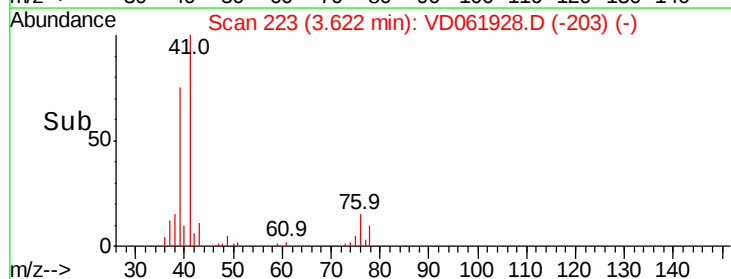
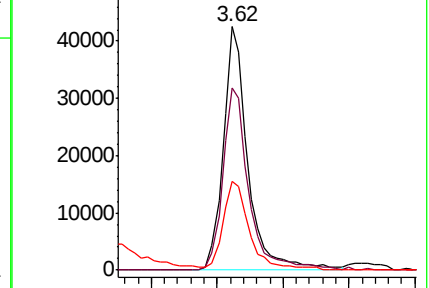
76 36.7 31.8 47.8

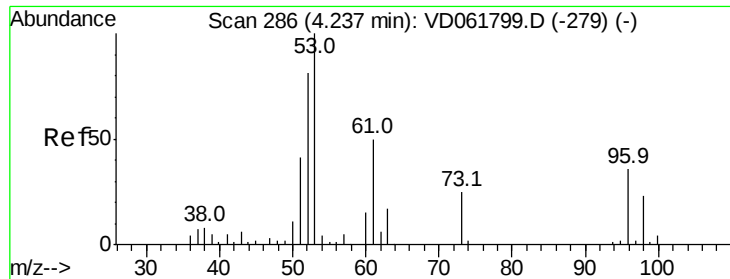


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 108.902 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

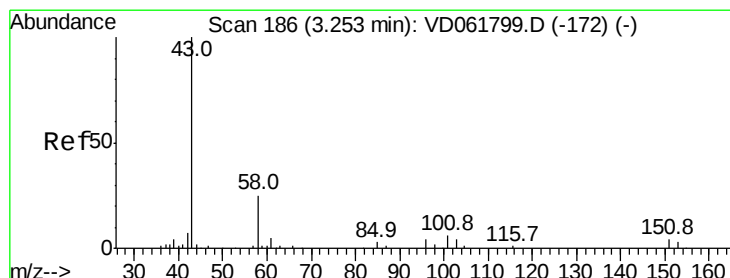
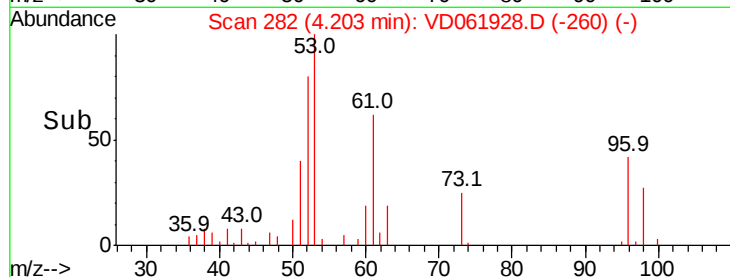
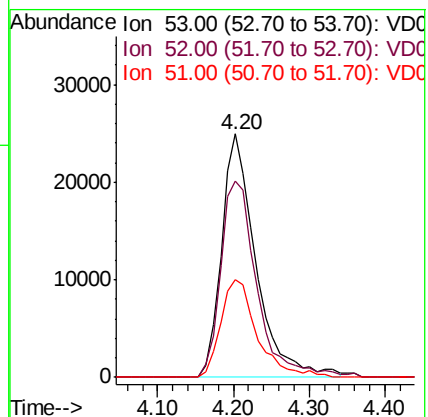
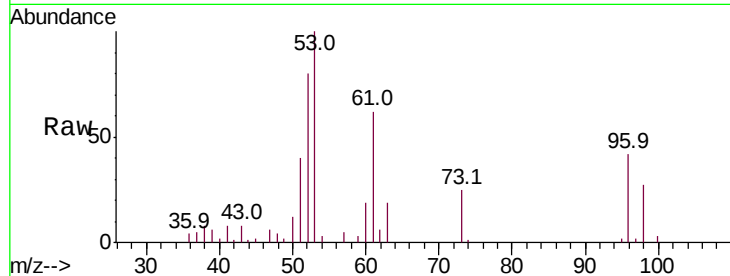
Tot Ion: 53 Resp: 78151

Ion Ratio Lower Upper

53 100

52 80.4 65.0 97.4

51 40.3 32.6 48.8



#16

Acetone

Concen: 89.920 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061928.D

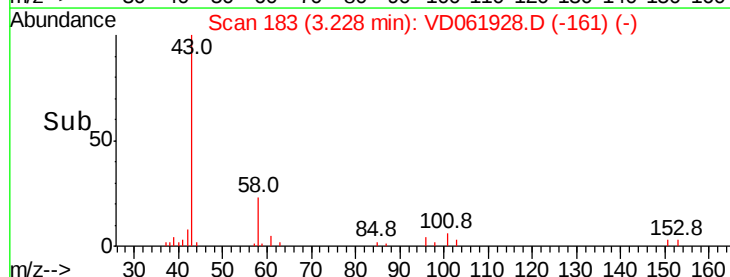
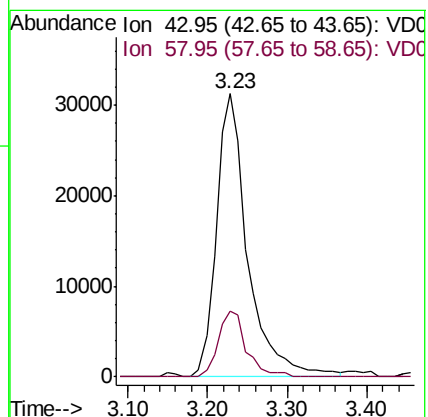
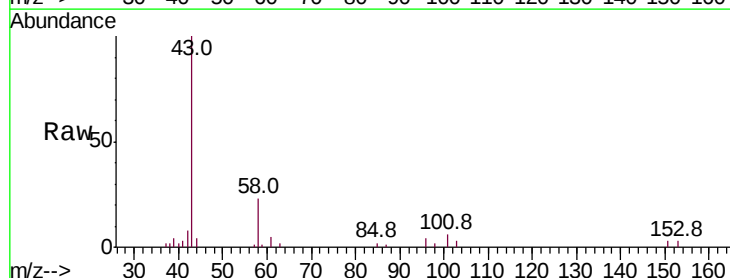
Acq: 20 Apr 2019 3:02

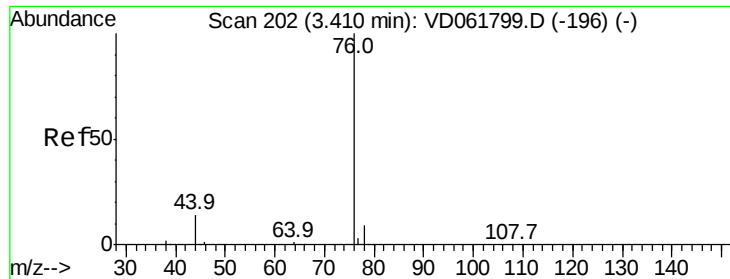
Tgt Ion: 43 Resp: 85904

Ion Ratio Lower Upper

43 100

58 23.4 19.9 29.9

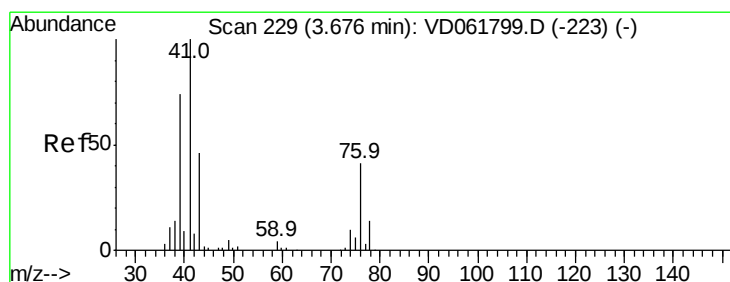
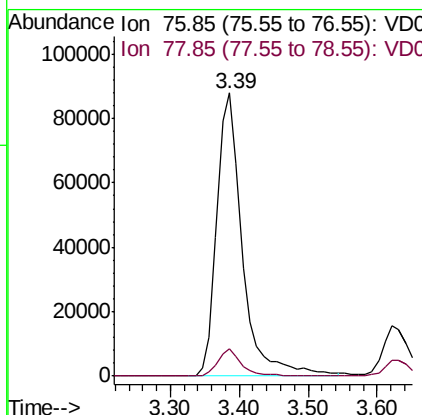
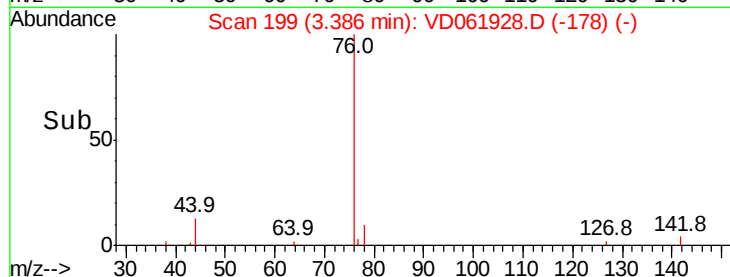
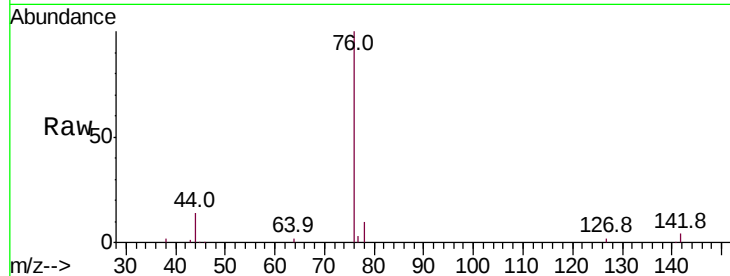




#17
Carbon Disulfide
Concen: 16.120 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

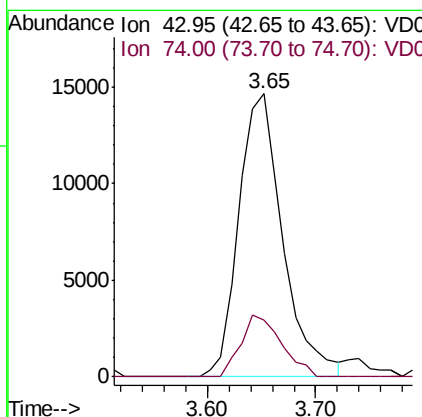
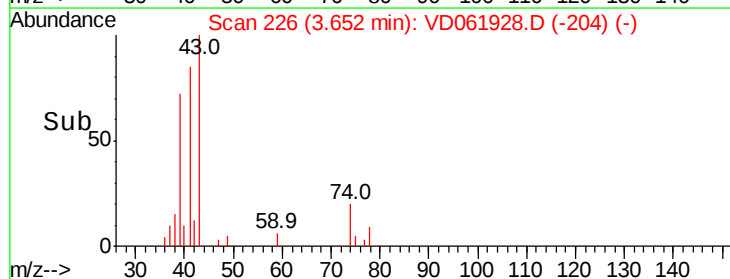
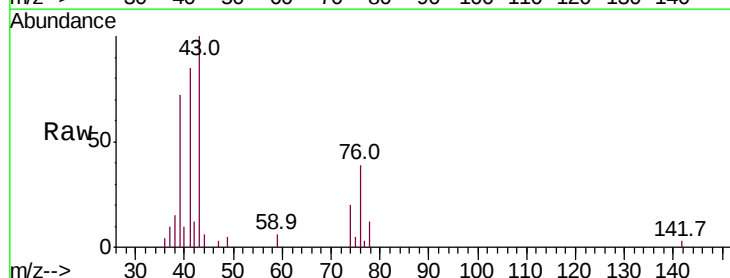
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

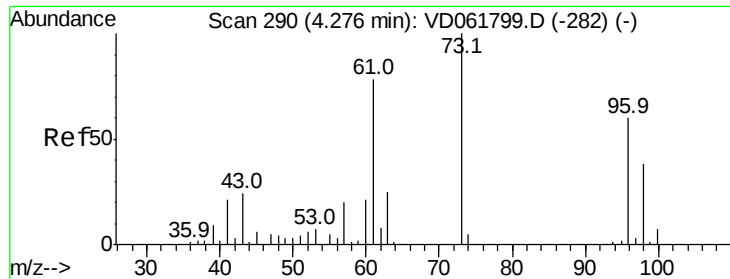
Tot Ion: 76 Resp: 226078
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 21.601 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion: 43 Resp: 41361
Ion Ratio Lower Upper
43 100
74 20.2 18.0 27.0

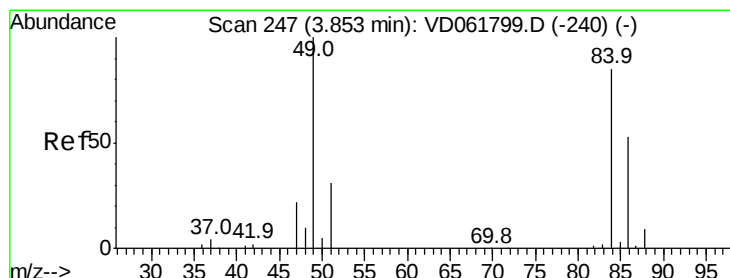
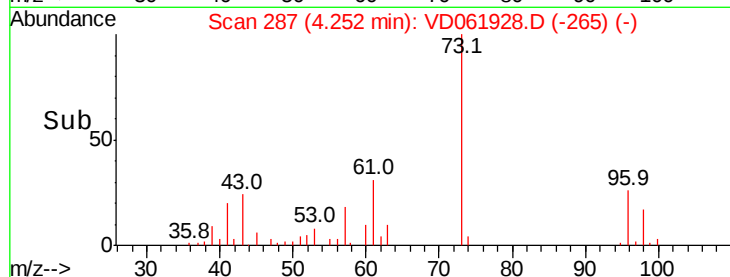
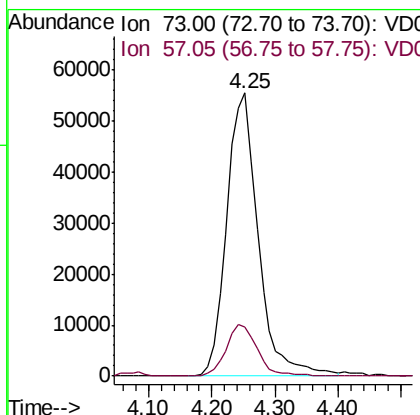
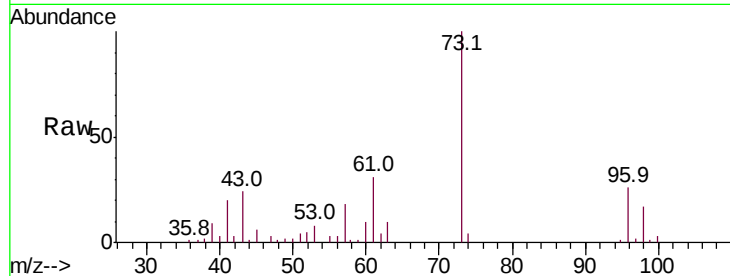




#19
Methvl tert-butvl Ether
Concen: 23.658 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

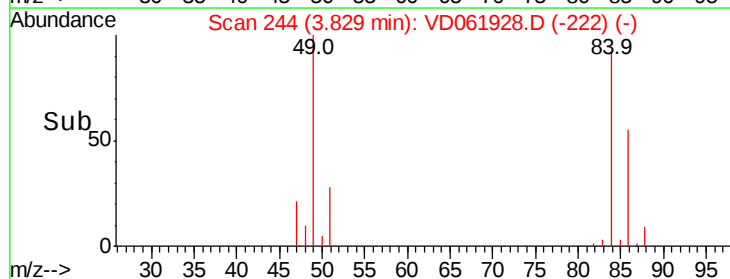
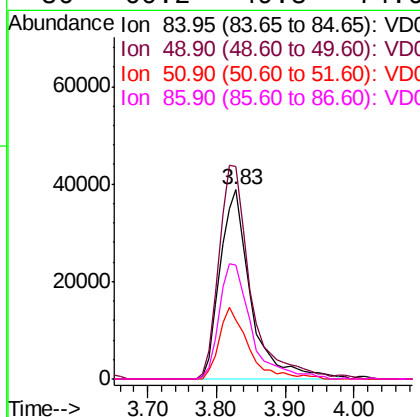
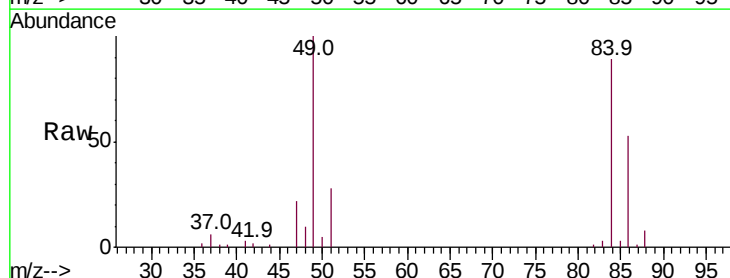
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

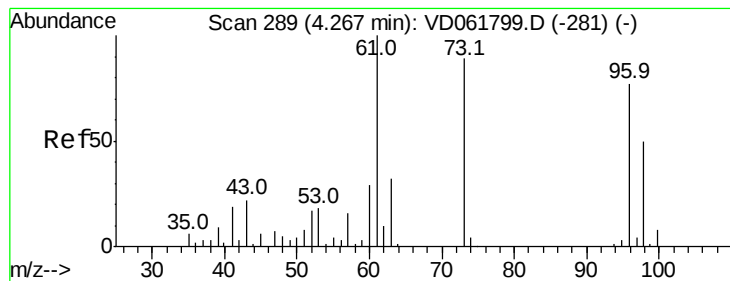
Tot Ion: 73 Resp: 191641
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5



#20
Methylene Chloride
Concen: 22.808 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion: 84 Resp: 120154
Ion Ratio Lower Upper
84 100
49 112.6 94.0 141.0
51 31.4 29.0 43.4
86 60.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.892 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

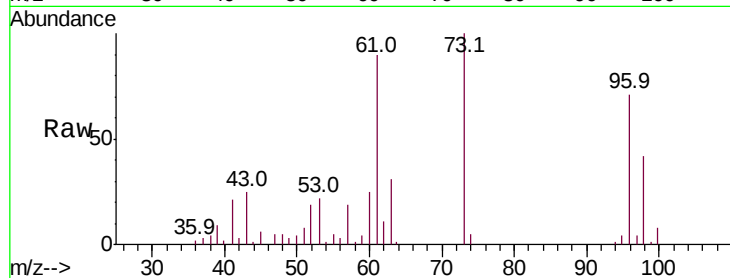
Tot Ion: 96 Resp: 94890

Ion Ratio Lower Upper

96 100

61 127.0 104.4 156.6

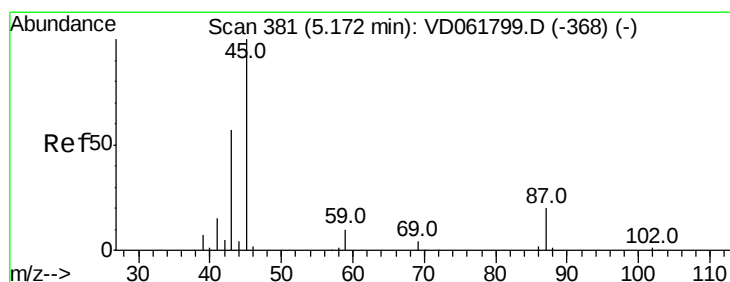
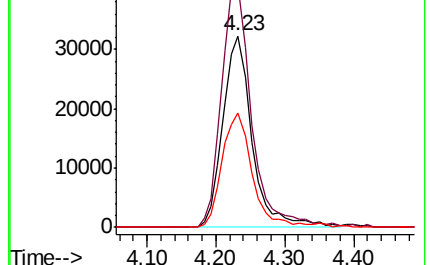
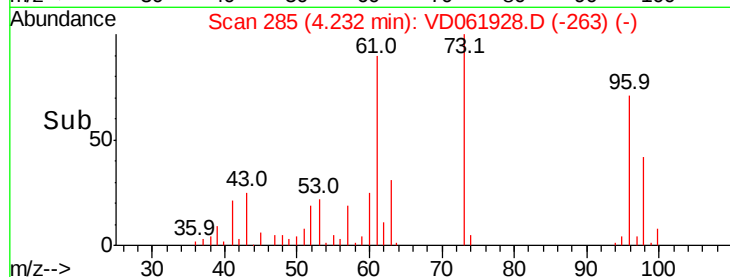
98 59.3 51.8 77.8



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: 21.327 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Tgt Ion: 45 Resp: 269724

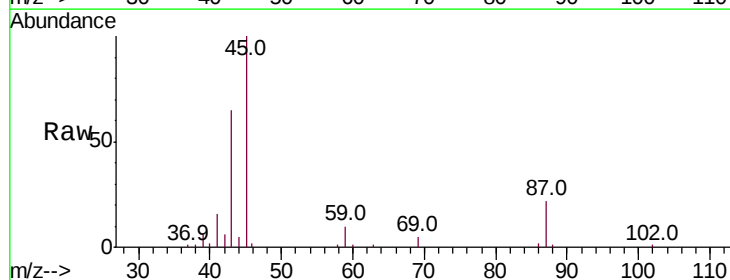
Ion Ratio Lower Upper

45 100

43 64.6 46.2 69.2

87 22.4 15.9 23.9

59 10.1 7.9 11.9

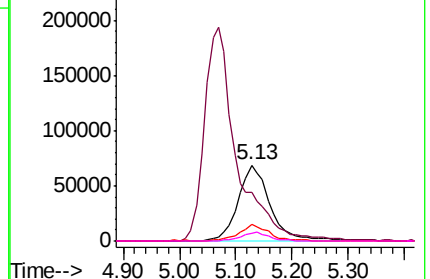
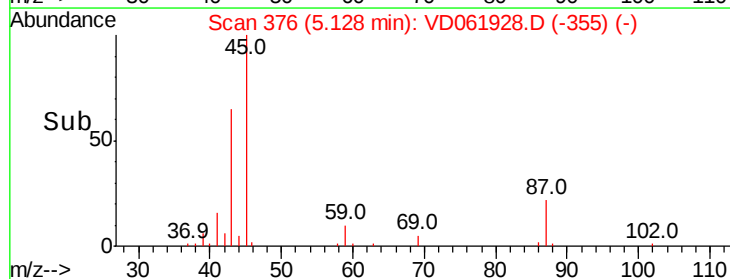


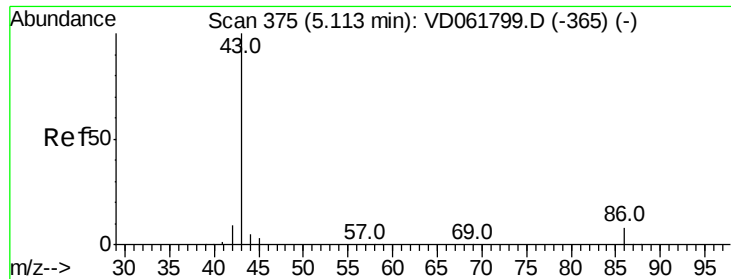
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 113.416 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

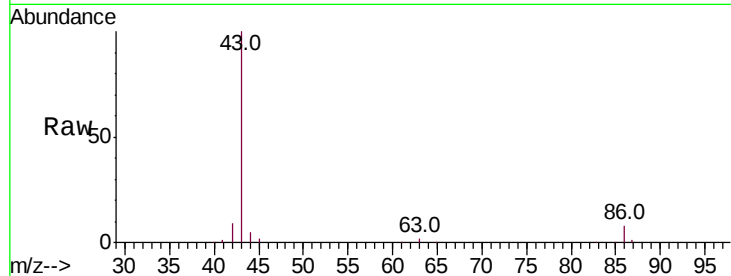
VD9419SBS02

Tot Ion: 43 Resp: 766776

Ion Ratio Lower Upper

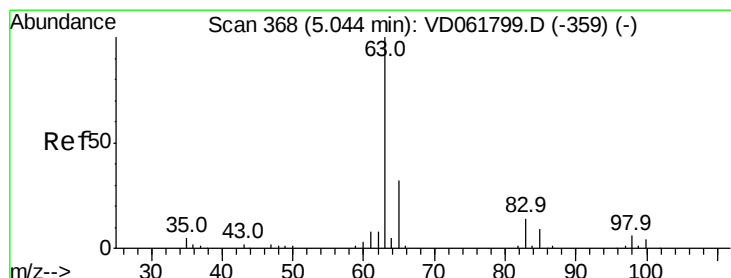
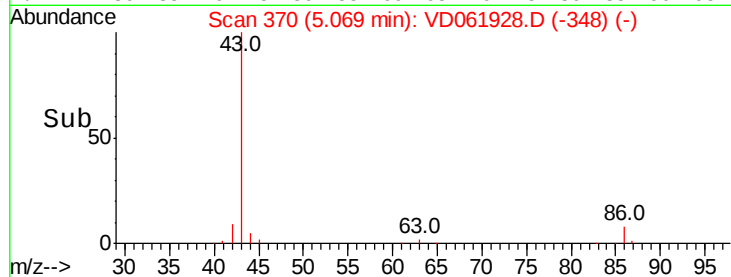
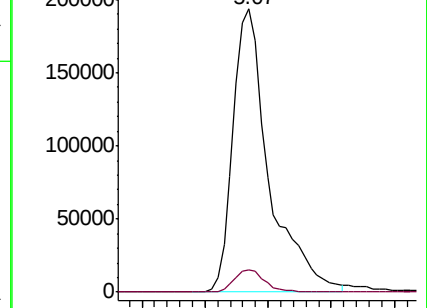
43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.446 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

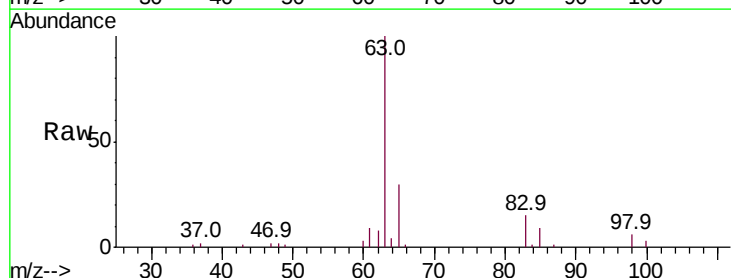
Tgt Ion: 63 Resp: 164448

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

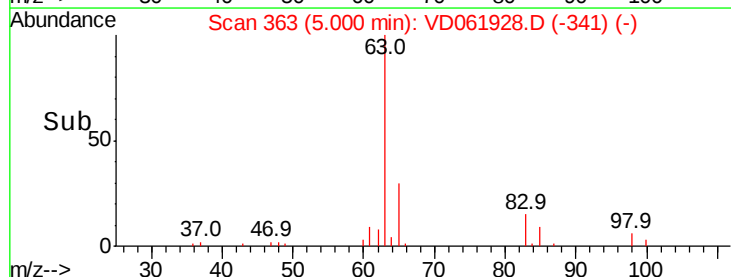
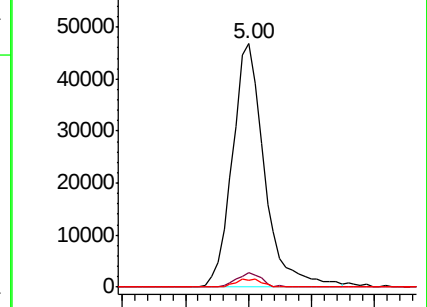
100 2.7 1.8 5.5

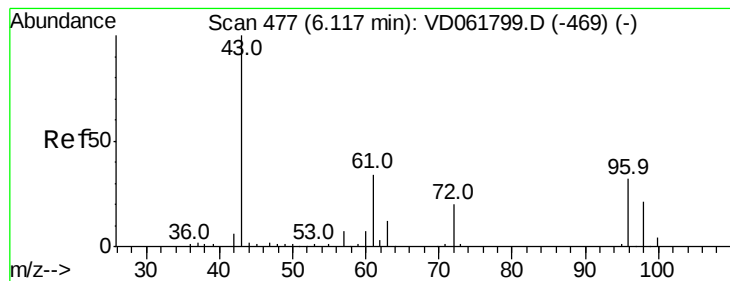


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 125.024 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

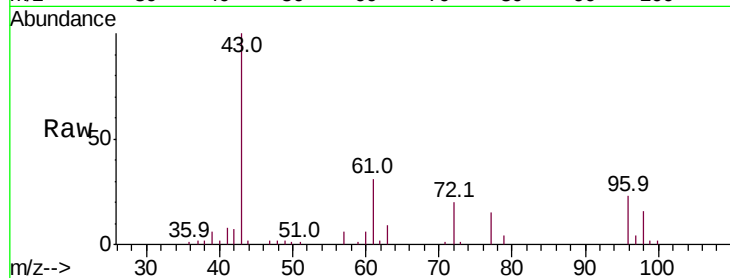
VD9419SBS02

Tot Ion: 43 Resp: 135979

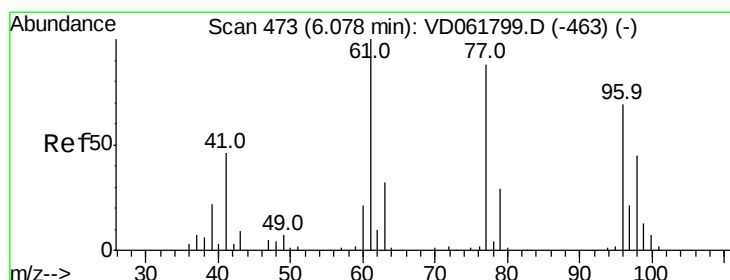
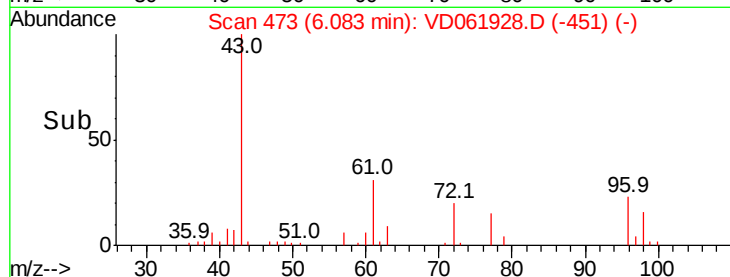
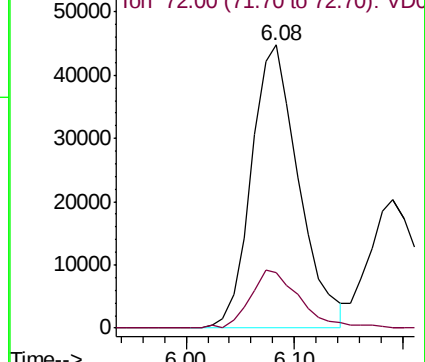
Ion Ratio Lower Upper

43 100

72 19.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 20.888 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD061928.D

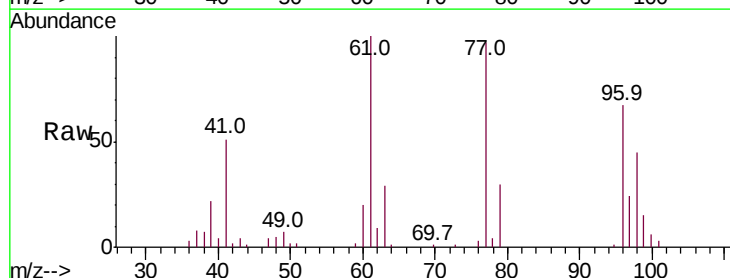
Acq: 20 Apr 2019 3:02

Tgt Ion: 77 Resp: 138444

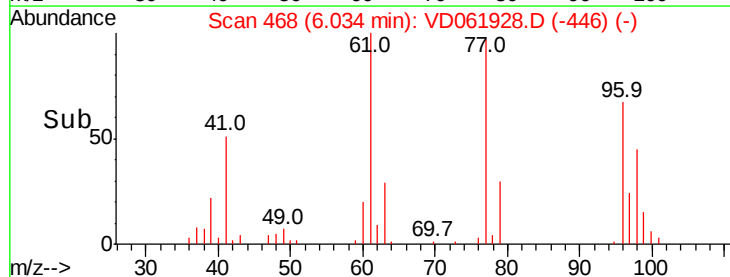
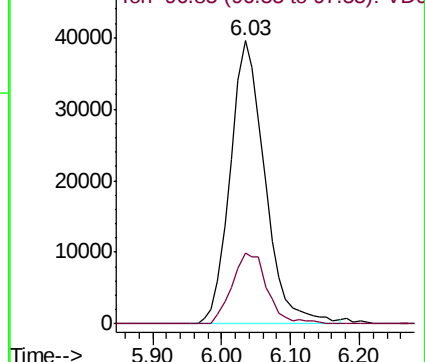
Ion Ratio Lower Upper

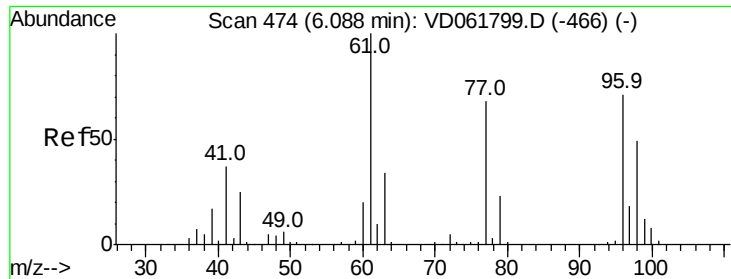
77 100

97 25.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC





#27

cis-1,2-Dichloroethene

Concen: 23.882 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

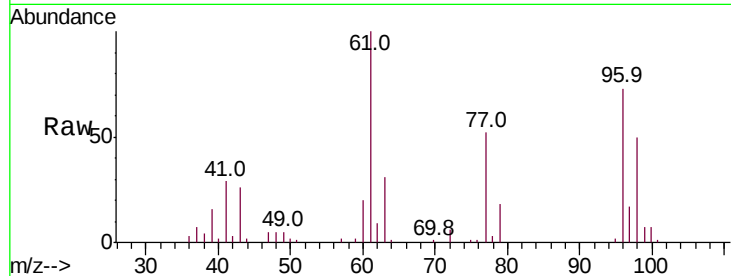
Tot Ion: 96 Resp: 123502

Ion Ratio Lower Upper

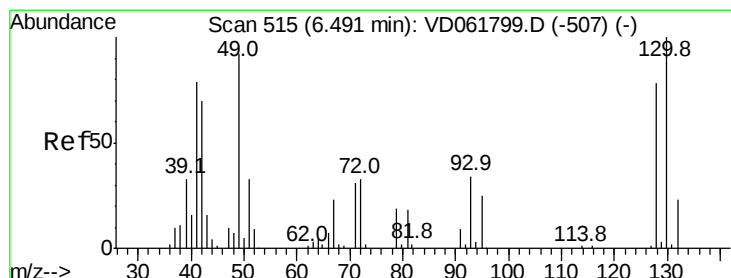
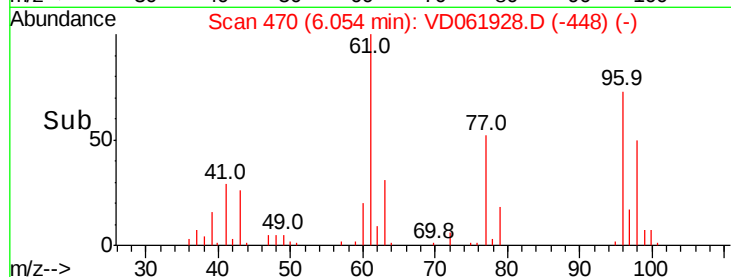
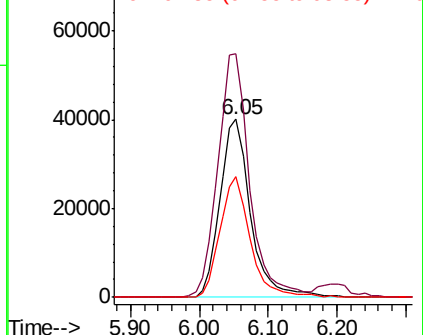
96 100

61 136.6 0.0 279.8

98 67.7 0.0 136.0



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: 23.693 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

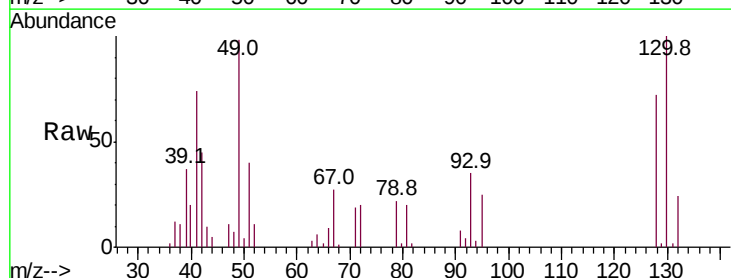
Tgt Ion: 49 Resp: 69009

Ion Ratio Lower Upper

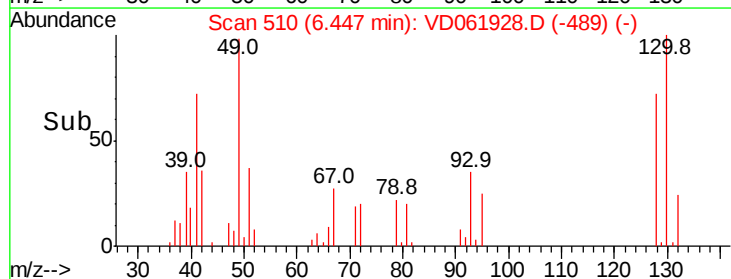
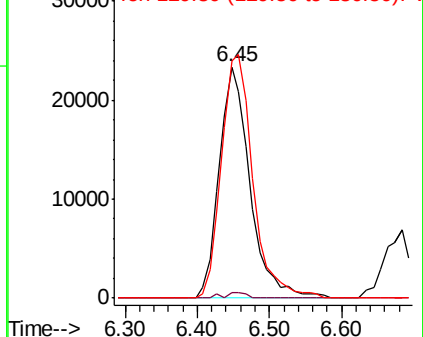
49 100

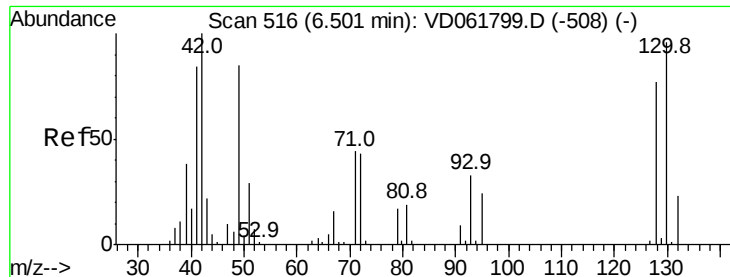
129 2.5 0.0 6.6

130 102.5 86.7 130.1



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: 120.365 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

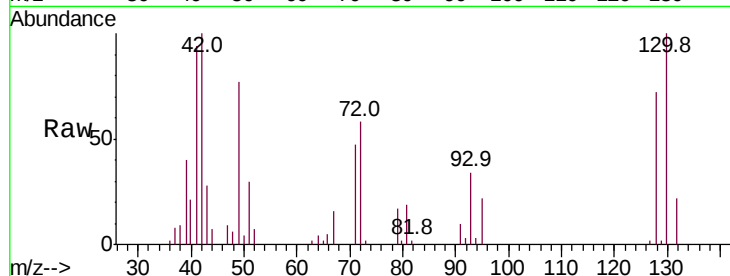
Tot Ion: 42 Resp: 63769

Ion Ratio Lower Upper

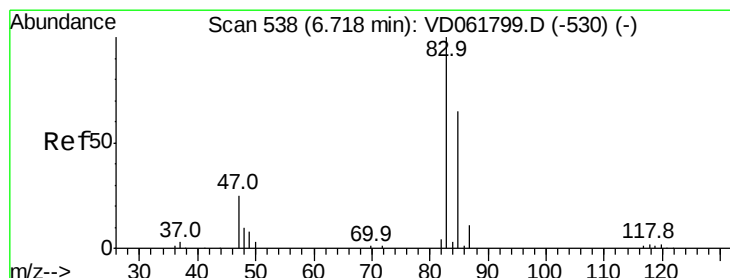
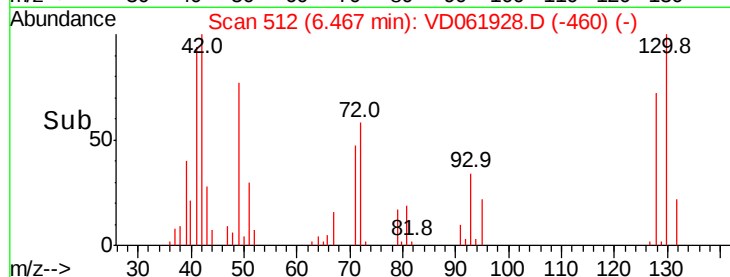
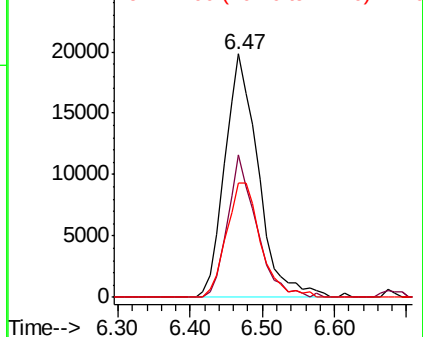
42 100

72 50.6 37.8 56.6

71 48.2 36.7 55.1



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: 24.682 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD061928.D

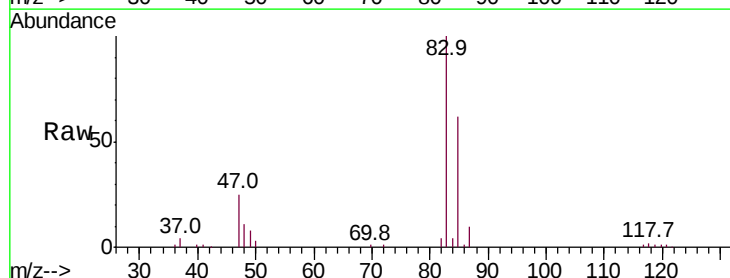
Acq: 20 Apr 2019 3:02

Tgt Ion: 83 Resp: 211094

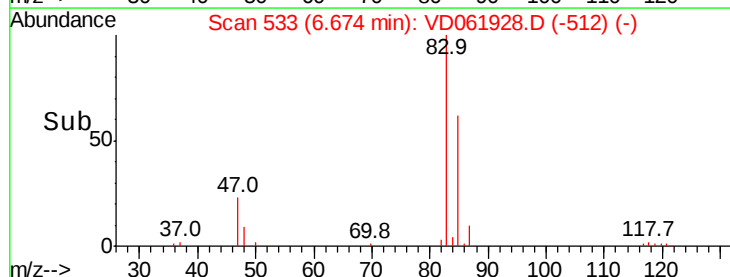
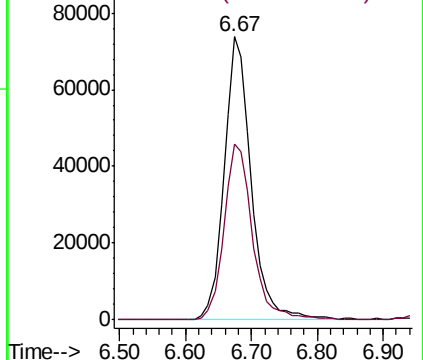
Ion Ratio Lower Upper

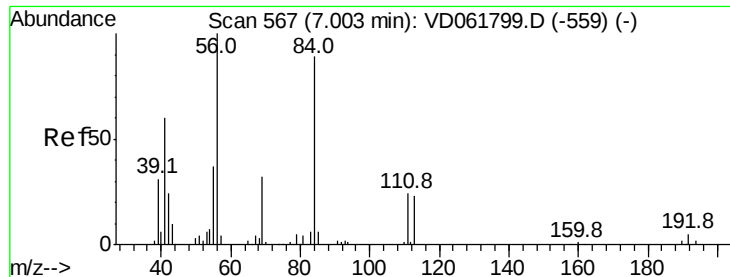
83 100

85 61.9 51.7 77.5



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

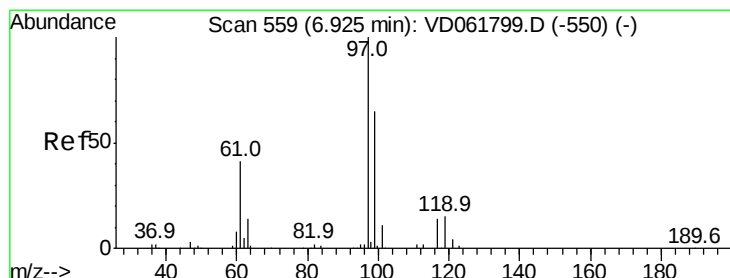
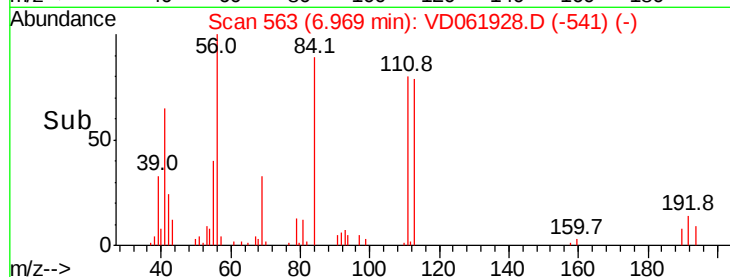
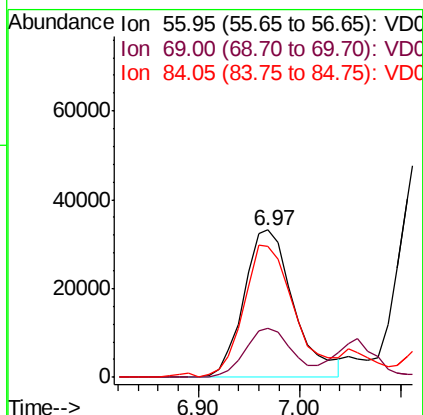
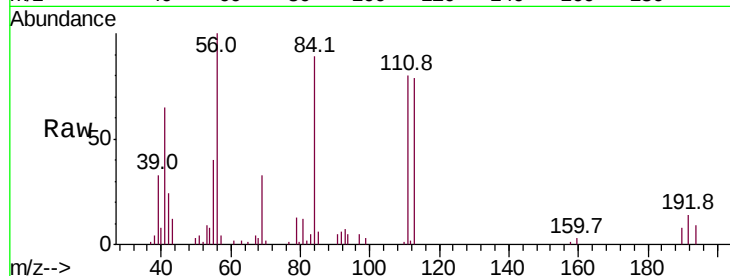




#31
Cyclohexane
Concen: 19.419 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

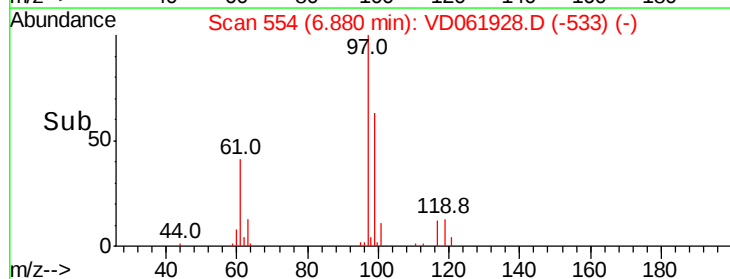
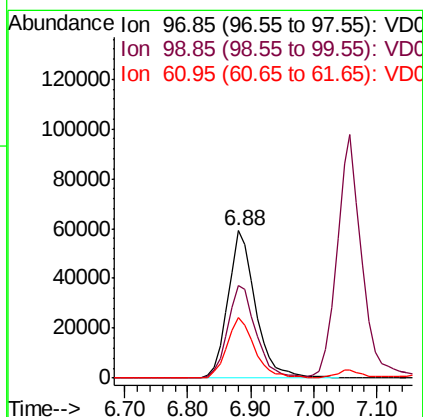
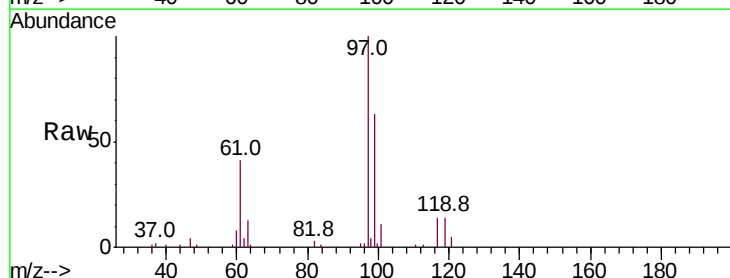
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

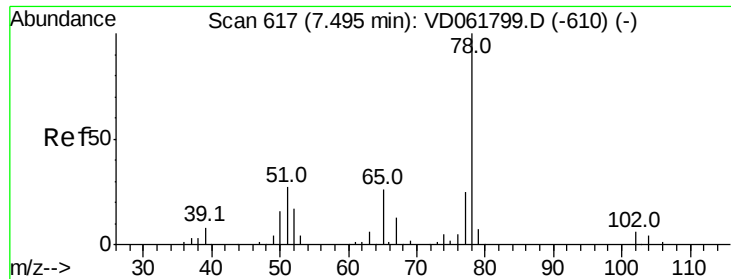
Tot Ion: 56 Resp: 113993
Ion Ratio Lower Upper
56 100
69 33.3 25.8 38.6
84 89.2 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 23.507 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion: 97 Resp: 178221
Ion Ratio Lower Upper
97 100
99 62.6 52.2 78.2
61 41.2 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 56.022 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

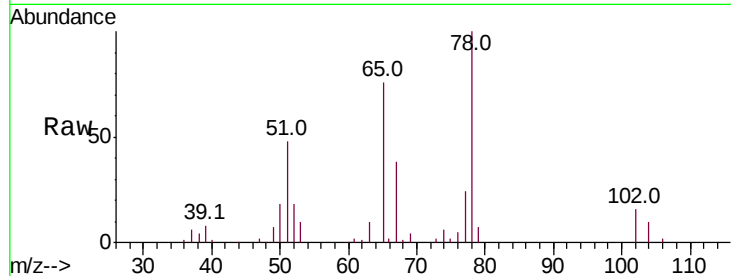
VD9419SBS02

Tot Ion: 65 Resp: 217151

Ion Ratio Lower Upper

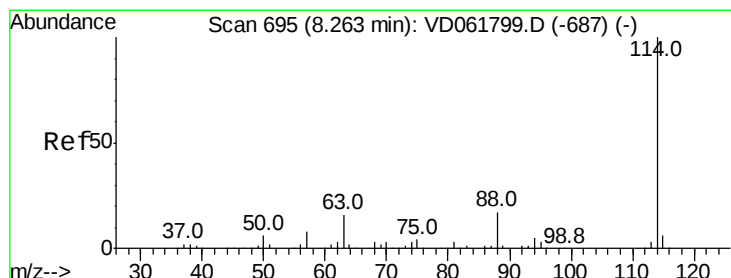
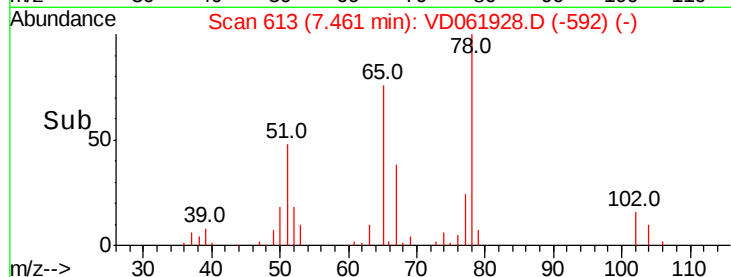
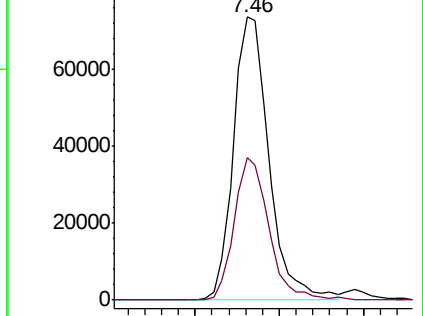
65 100

67 50.4 0.0 98.0



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

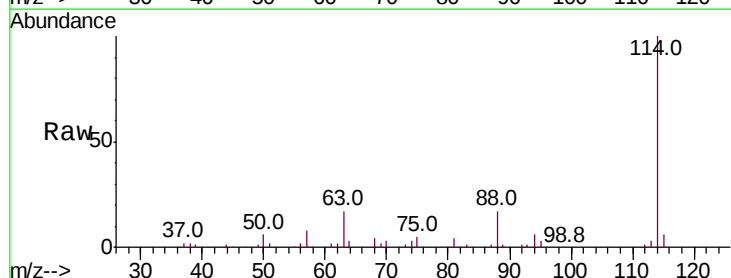
Tgt Ion:114 Resp: 793231

Ion Ratio Lower Upper

114 100

63 17.1 0.0 32.4

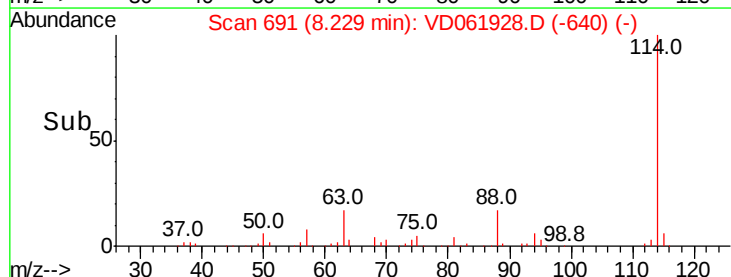
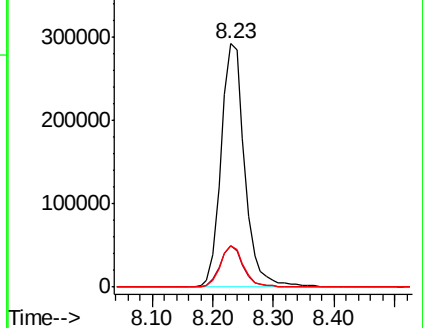
88 16.9 0.0 33.6

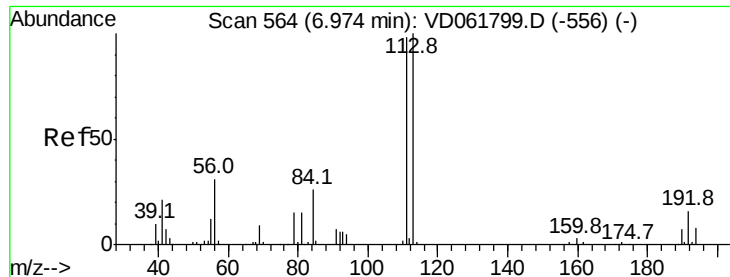


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

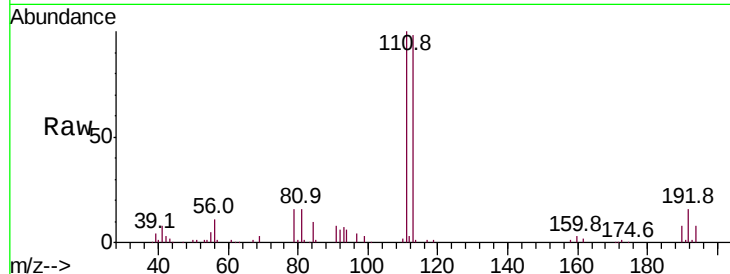




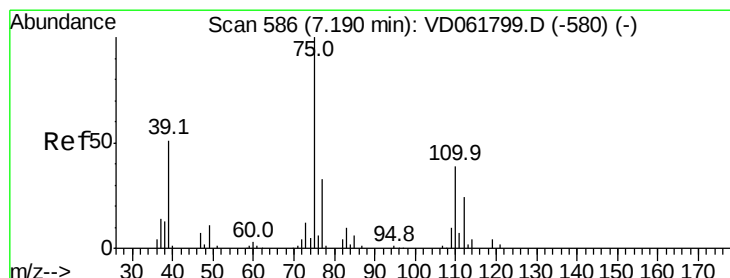
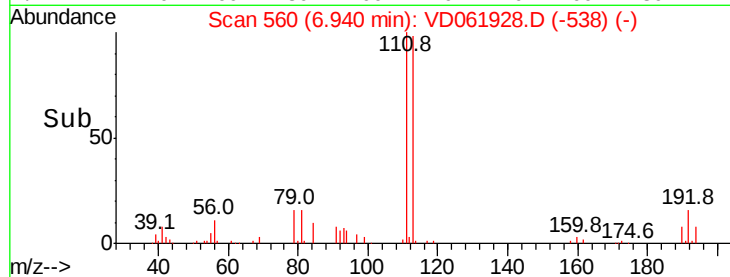
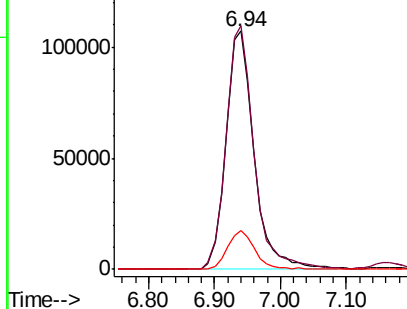
#35
 Dibromofluoromethane
 Concen: 53.437 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	78.5	117.7
192	16.4	13.0	19.4

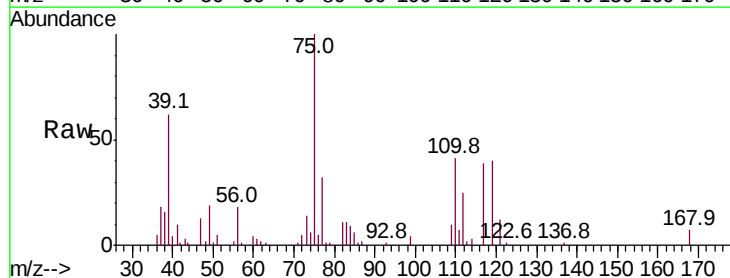


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

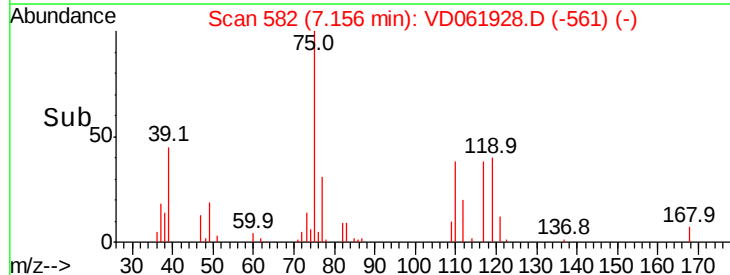
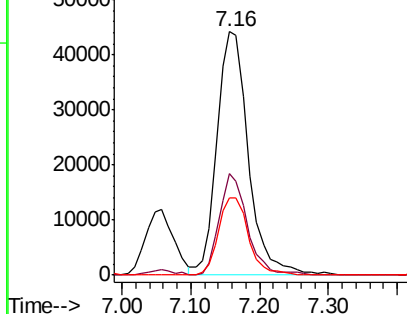


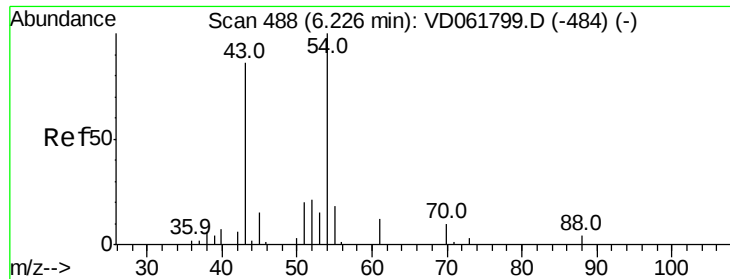
#36
 1,1-Dichloropropene
 Concen: 21.570 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.5	19.1	57.1
77	31.8	25.6	38.4



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: 24.230 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

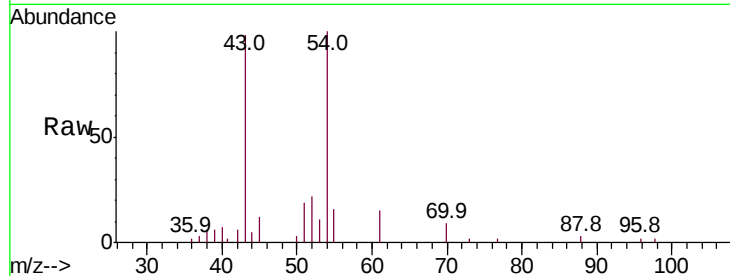
Tot Ion: 43 Resp: 67220

Ion Ratio Lower Upper

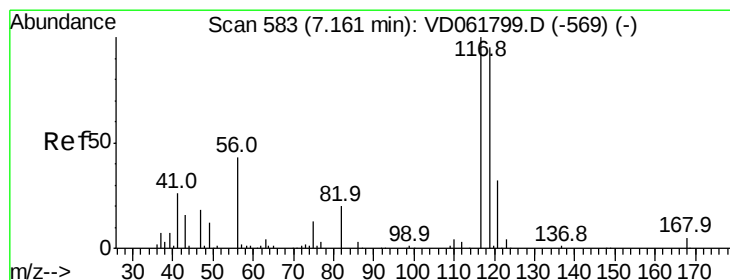
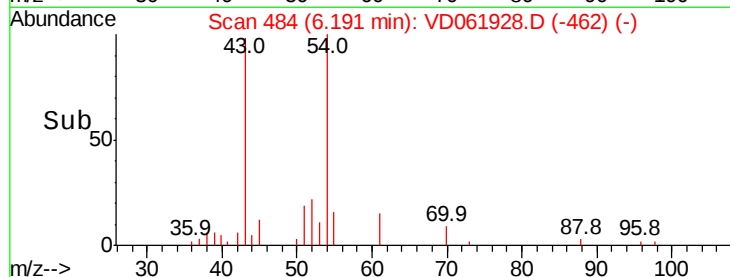
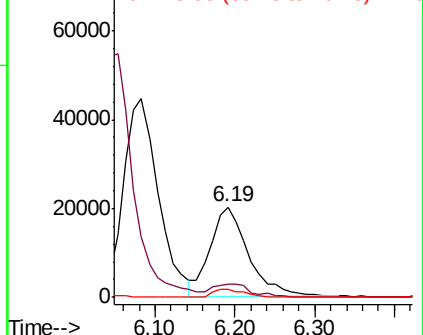
43 100

61 15.1 14.7 22.1

70 8.9 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.703 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

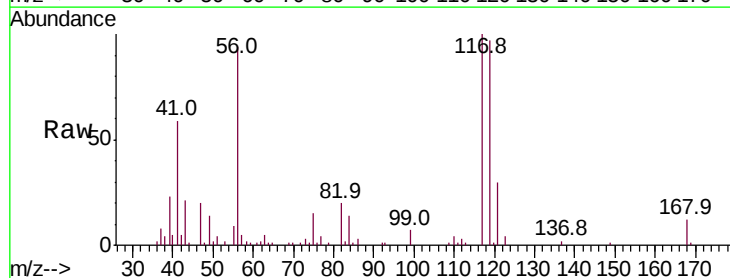
Tgt Ion: 117 Resp: 169452

Ion Ratio Lower Upper

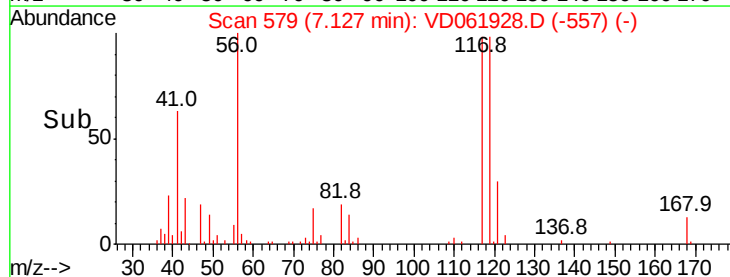
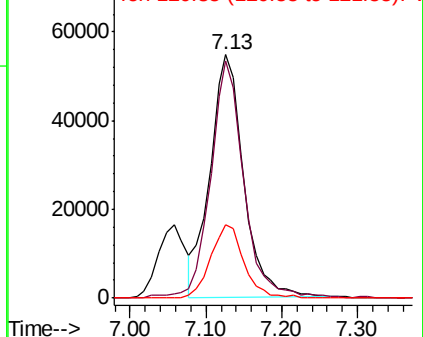
117 100

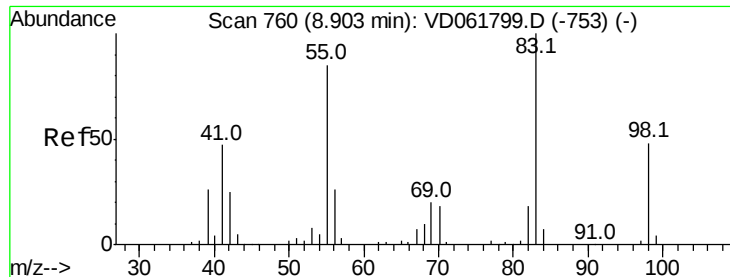
119 97.3 75.8 113.8

121 30.1 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

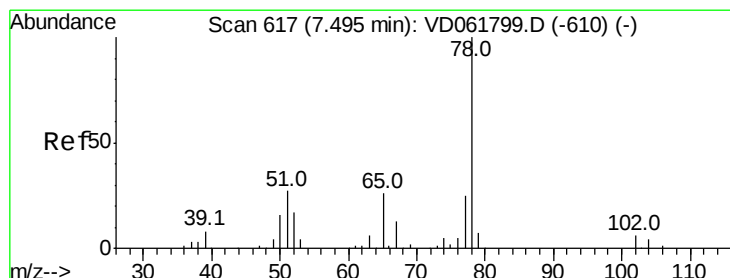
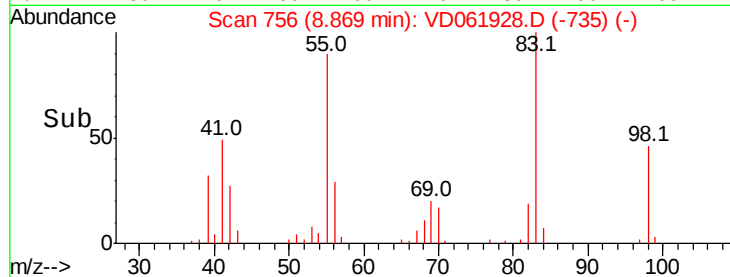
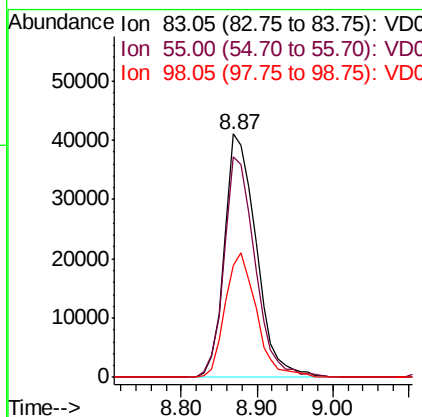
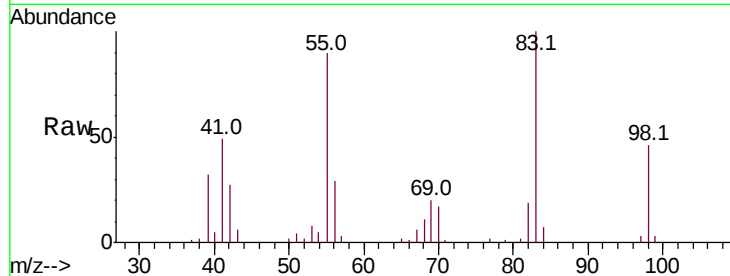




#39
Methvlcvclohexane
Concen: 17.695 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

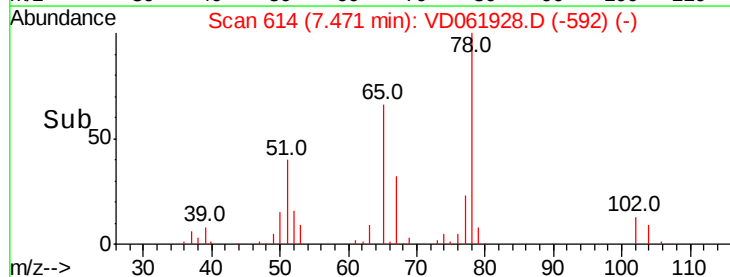
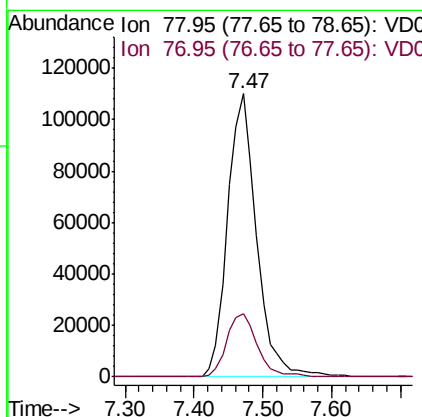
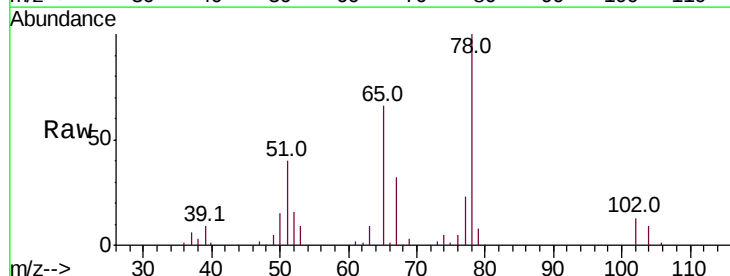
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

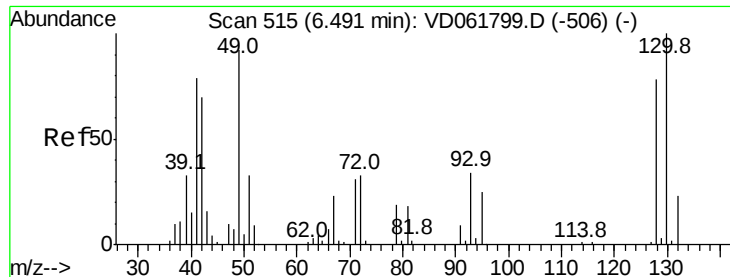
Tot Ion: 83 Resp: 119109
Ion Ratio Lower Upper
83 100
55 90.4 68.2 102.4
98 46.0 38.2 57.4



#40
Benzene
Concen: 20.578 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion: 78 Resp: 320227
Ion Ratio Lower Upper
78 100
77 22.5 19.7 29.5





#41

Methacrylonitrile

Concen: 24.162 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

Tot Ion: 41 Resp: 79228

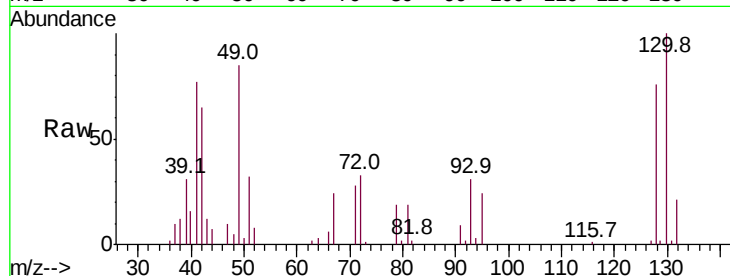
Ion Ratio Lower Upper

41 100

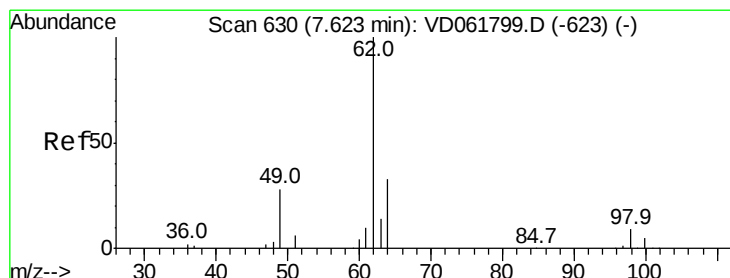
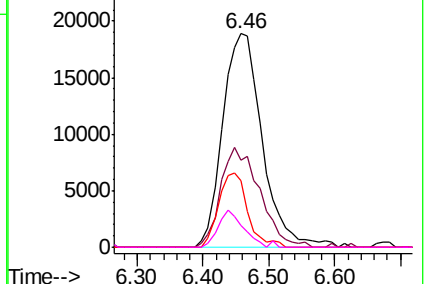
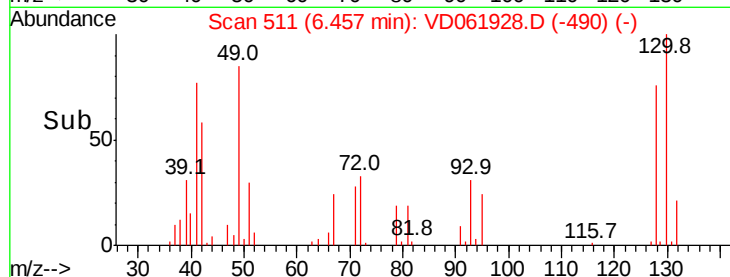
39 40.8 34.1 51.1

67 31.3 23.8 35.6

52 10.2 8.8 13.2



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: 22.240 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD061928.D

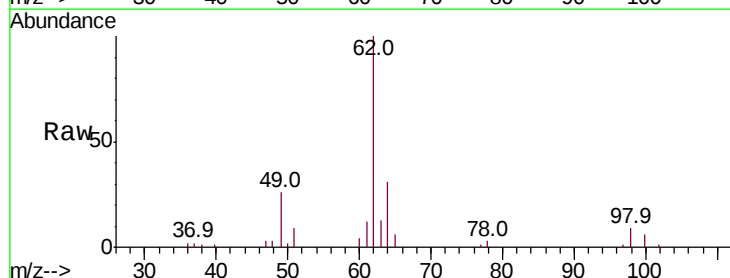
Acq: 20 Apr 2019 3:02

Tgt Ion: 62 Resp: 120535

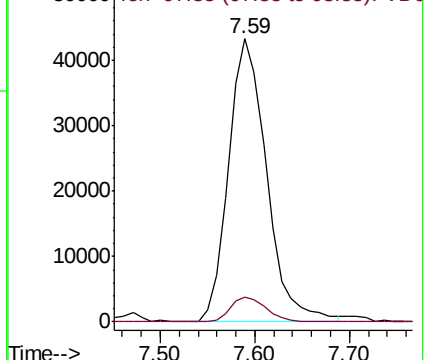
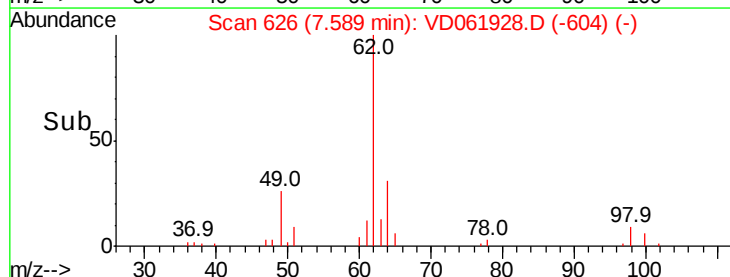
Ion Ratio Lower Upper

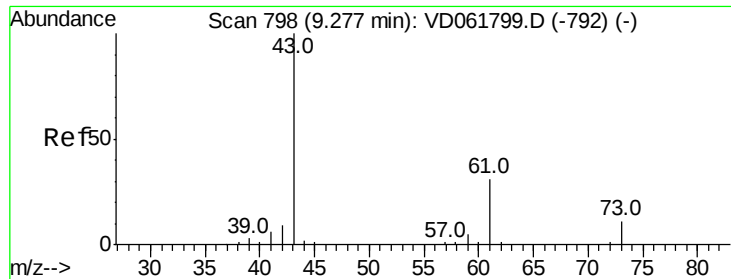
62 100

98 9.0 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



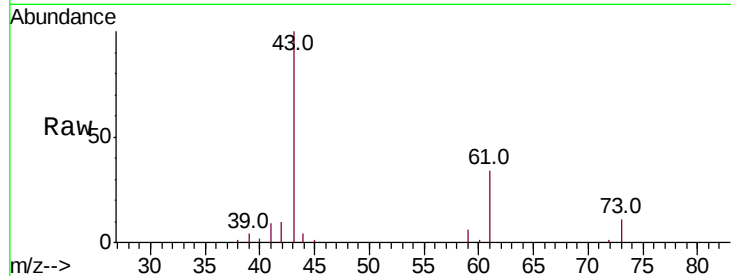


#43

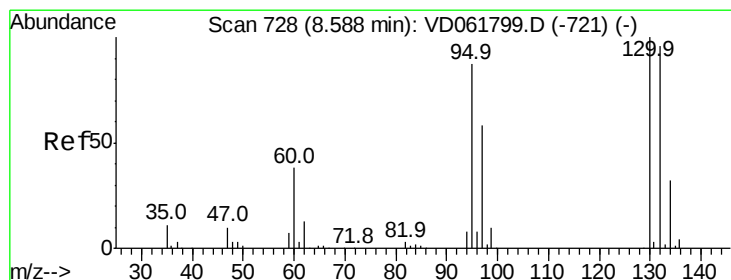
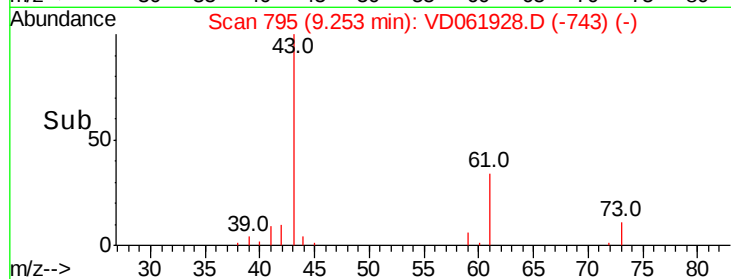
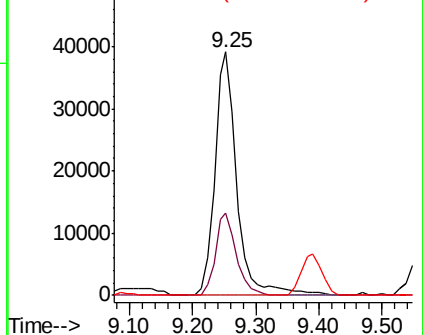
Isopropyl Acetate
 Concen: 24.450 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Instrument :
 MSVOA_D
 ClientSampleID :
 VD9419SBS02

Tot Ion: 43 Resp: 95454
 Ion Ratio Lower Upper
 43 100
 61 33.6 25.1 37.7
 87 0.0 0.0 0.0



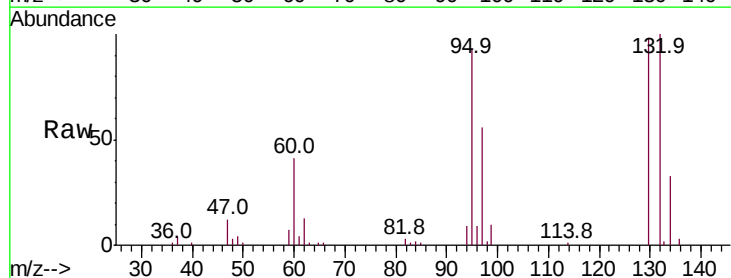
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



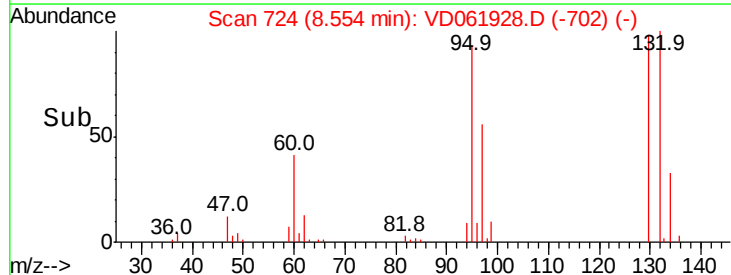
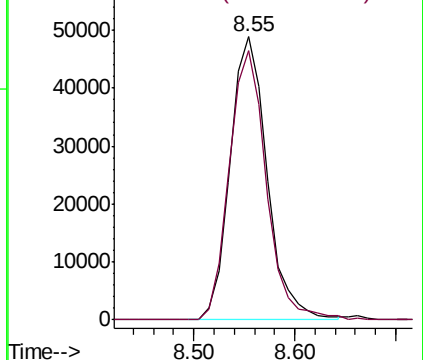
#44

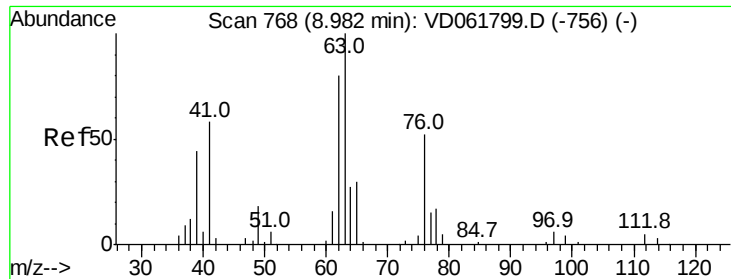
Trichloroethene
 Concen: 20.784 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion: 130 Resp: 124512
 Ion Ratio Lower Upper
 130 100
 95 95.2 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 20.337 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

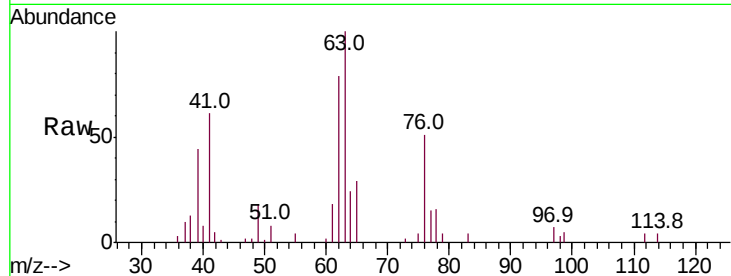
VD9419SBS02

Tot Ion: 63 Resp: 82435

Ion Ratio Lower Upper

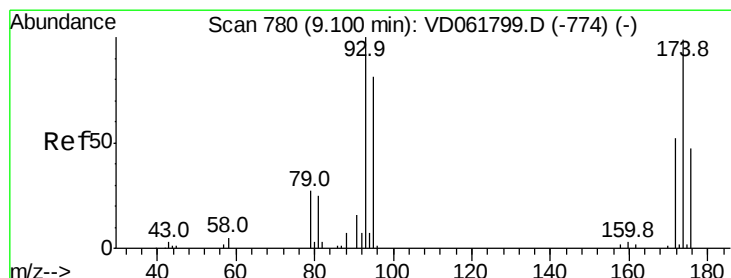
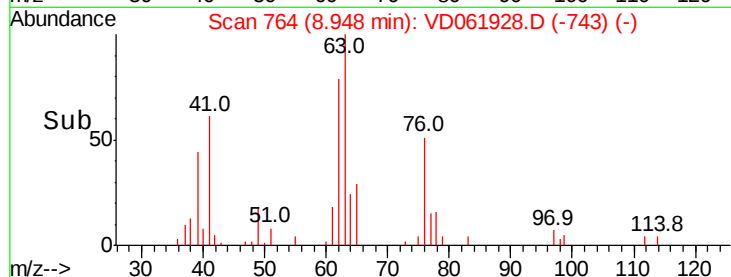
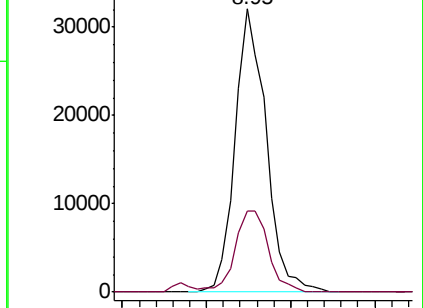
63 100

65 28.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.551 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

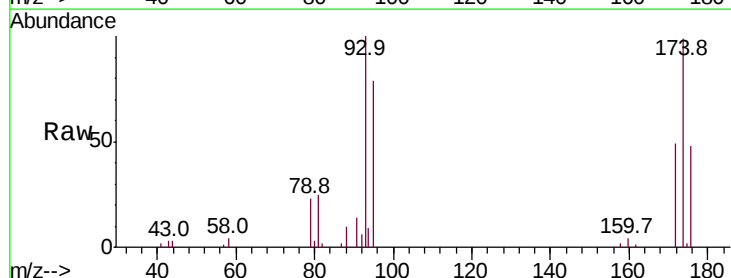
Tgt Ion: 93 Resp: 68021

Ion Ratio Lower Upper

93 100

95 78.8 64.8 97.2

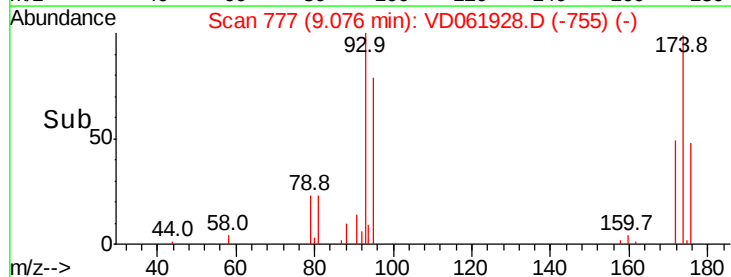
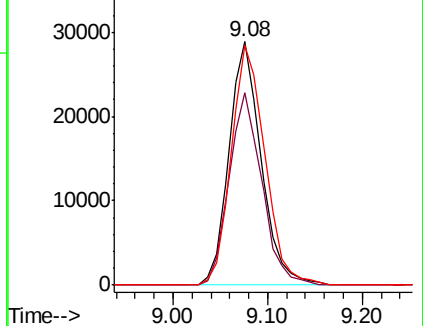
174 98.5 79.3 118.9

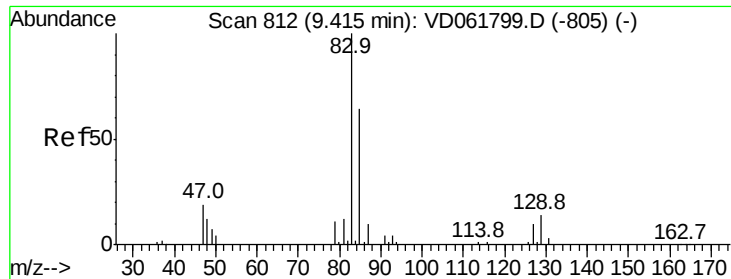


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 24.140 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

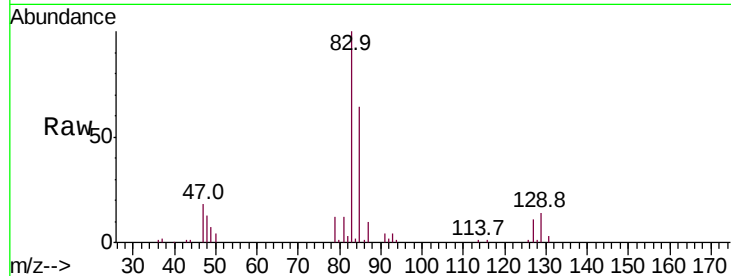
Tot Ion: 83 Resp: 160849

Ion Ratio Lower Upper

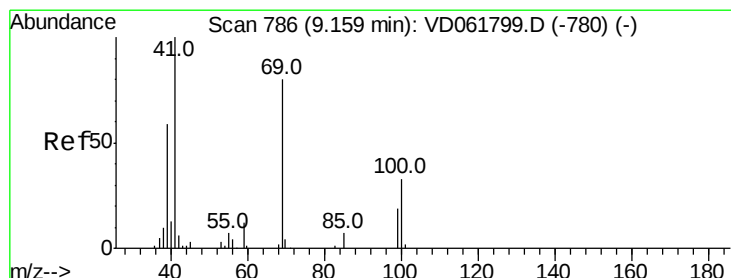
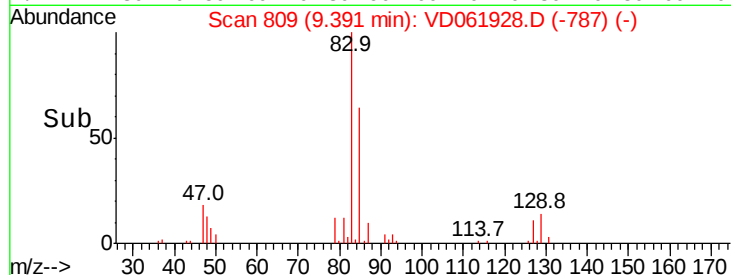
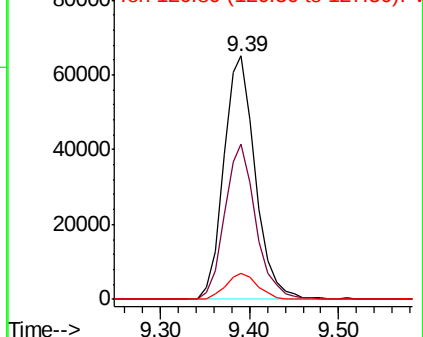
83 100

85 63.7 50.9 76.3

127 10.9 8.1 12.1



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: 23.968 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

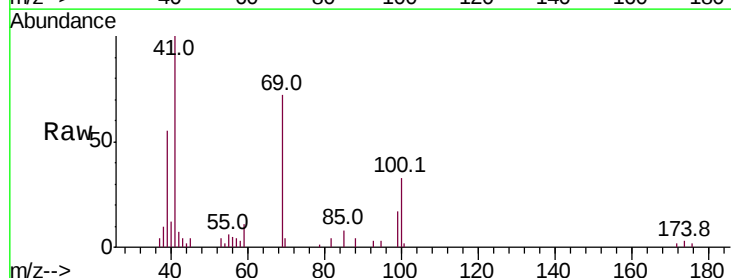
Tgt Ion: 41 Resp: 55003

Ion Ratio Lower Upper

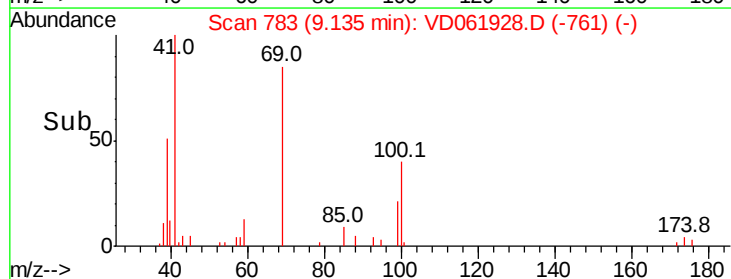
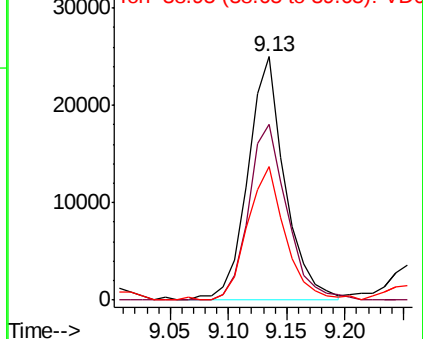
41 100

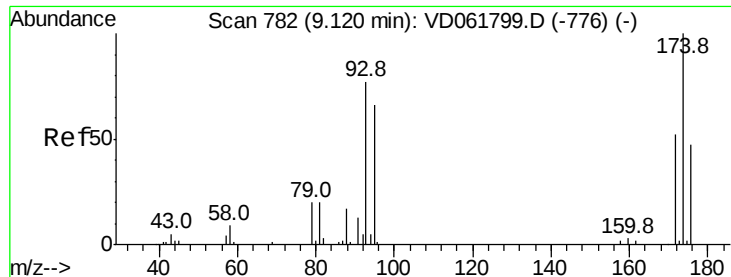
69 72.4 64.2 96.2

39 55.1 46.8 70.2



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: 474.590 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

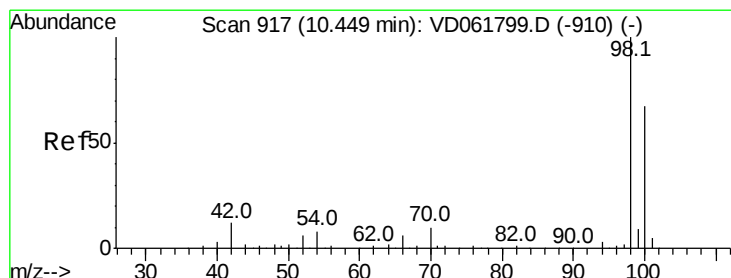
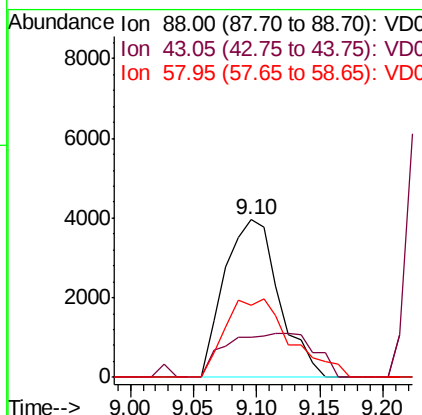
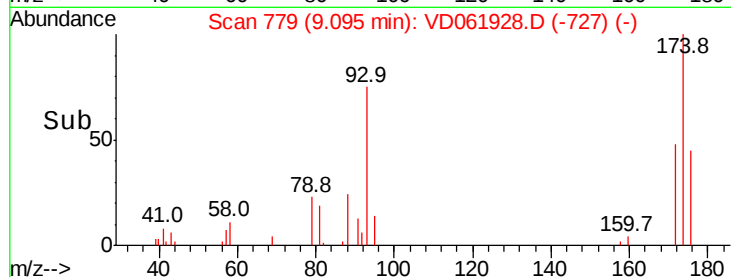
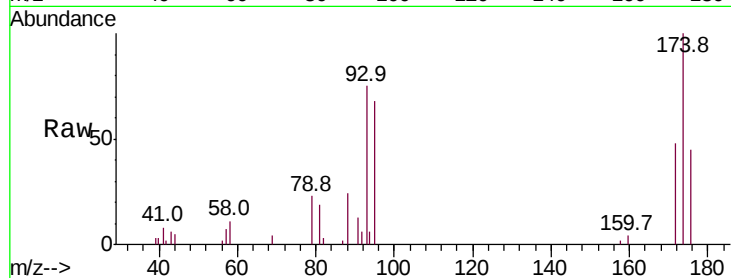
Tot Ion: 88 Resp: 11904

Ion Ratio Lower Upper

88 100

43 25.8 23.4 35.0

58 46.1 44.0 66.0



#50

Toluene-d8

Concen: 49.115 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061928.D

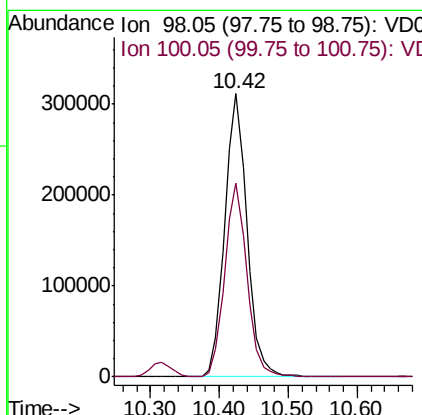
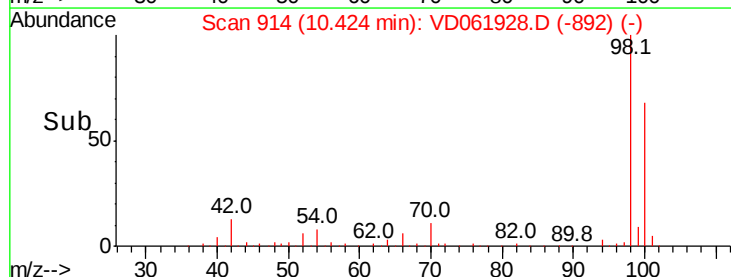
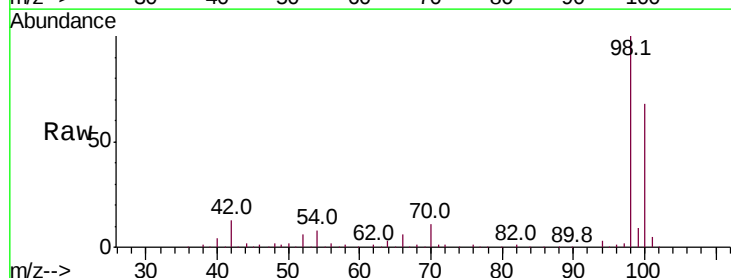
Acq: 20 Apr 2019 3:02

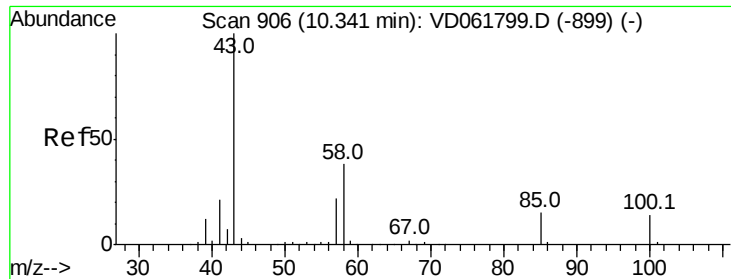
Tgt Ion: 98 Resp: 697417

Ion Ratio Lower Upper

98 100

100 68.5 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 126.929 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

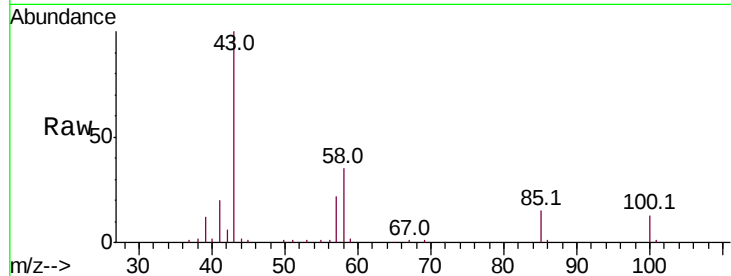
VD9419SBS02

Tot Ion: 43 Resp: 303036

Ion Ratio Lower Upper

43 100

58 34.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

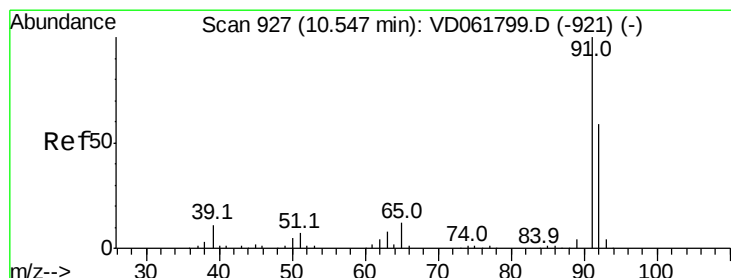
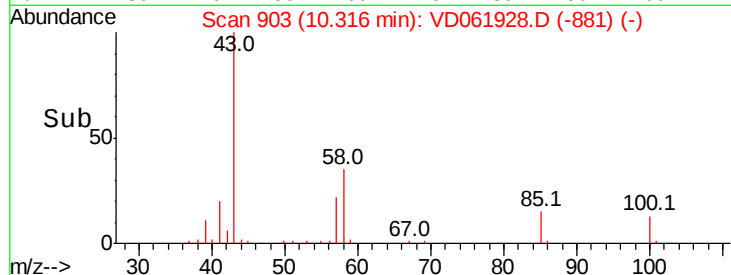
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 21.805 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061928.D

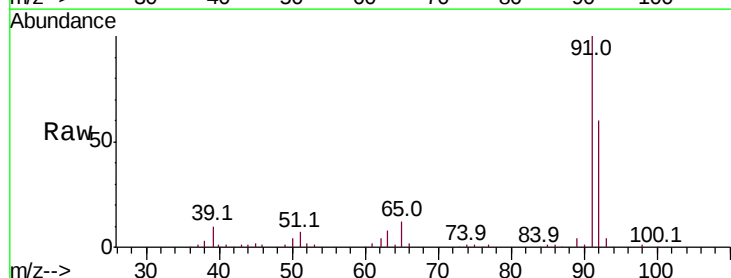
Acq: 20 Apr 2019 3:02

Tgt Ion: 92 Resp: 217453

Ion Ratio Lower Upper

92 100

91 166.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

150000

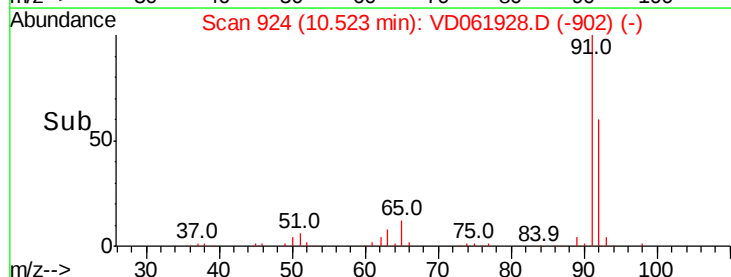
100000

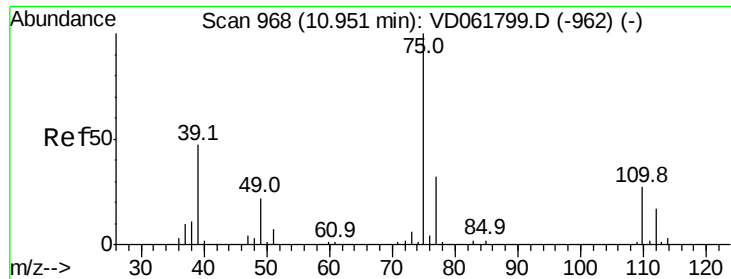
50000

0

Time-->

10.40 10.50 10.60

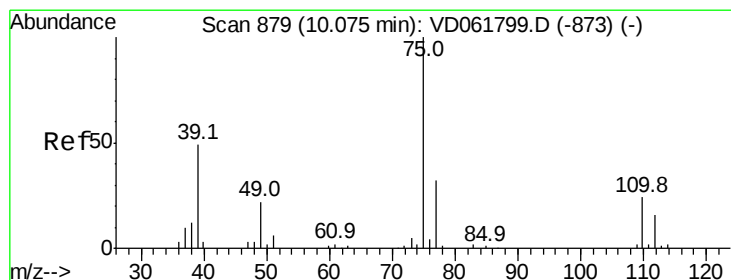
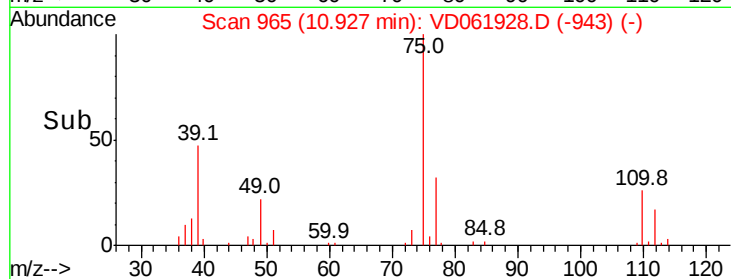
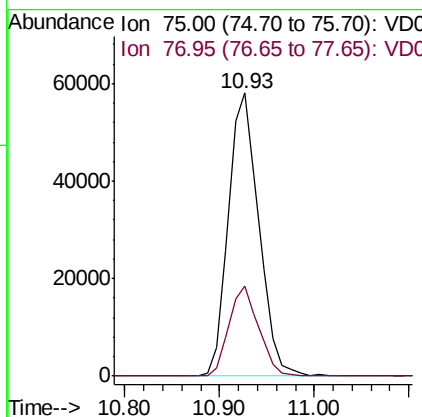
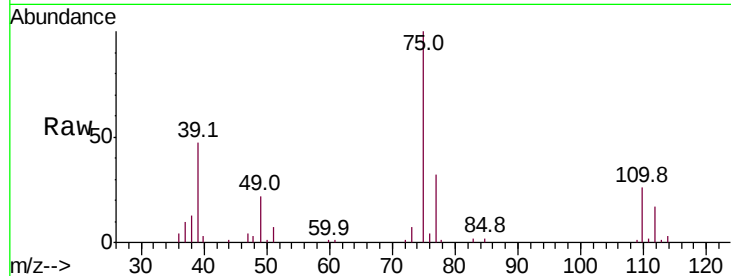




#53
 t-1,3-Dichloropropene
 Concen: 21.451 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

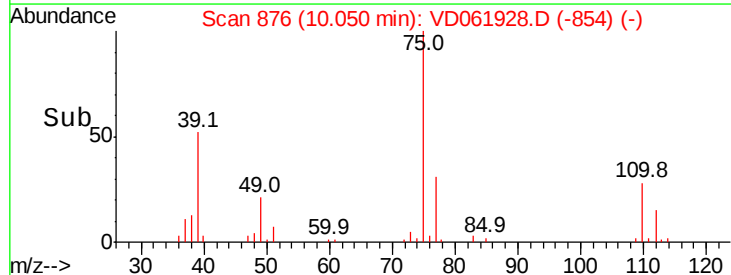
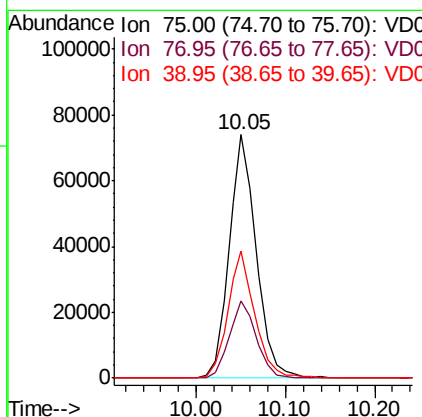
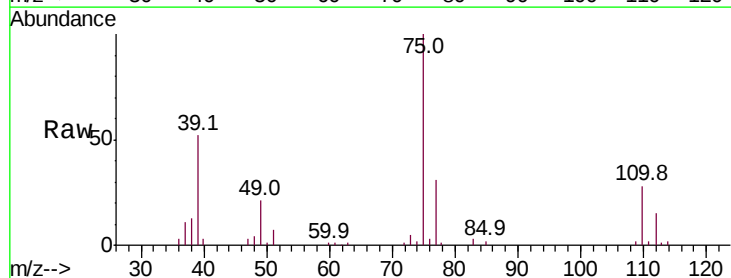
Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

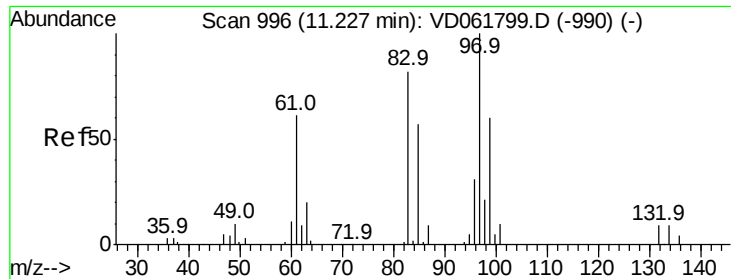
Tot Ion: 75 Resp: 128794
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.265 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion: 75 Resp: 156922
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 52.3 39.4 59.2

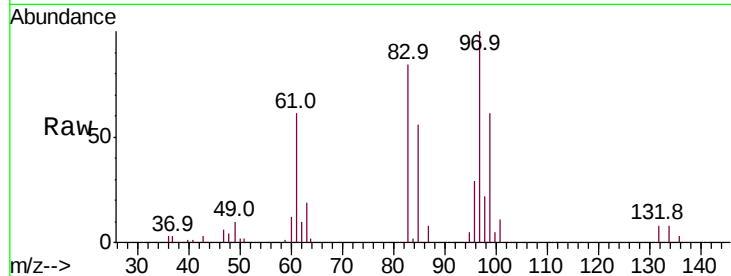




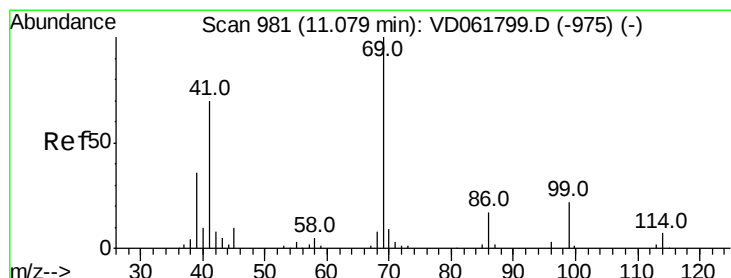
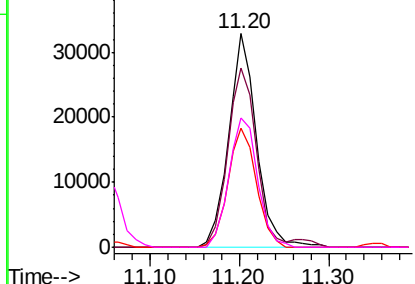
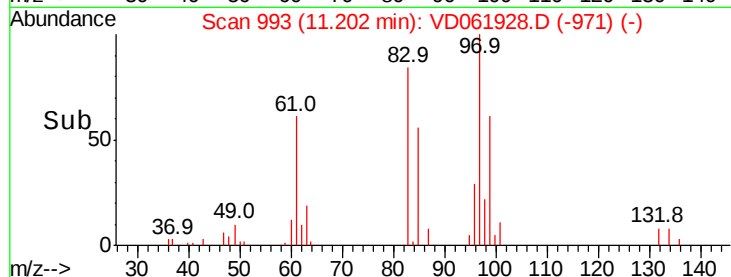
#55
1,1,2-Trichloroethane
Concen: 21.470 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

Tot Ion: 97 Resp: 72148
Ion Ratio Lower Upper
97 100
83 84.1 65.7 98.5
85 55.5 45.6 68.4
99 60.7 48.4 72.6

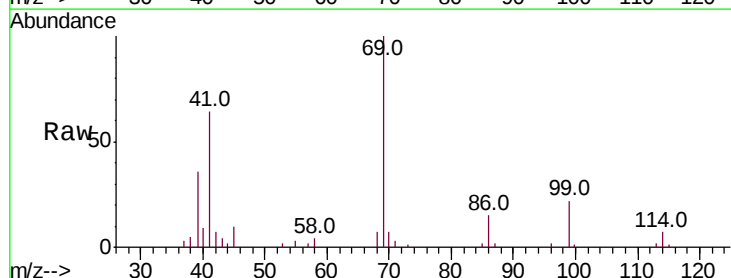


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

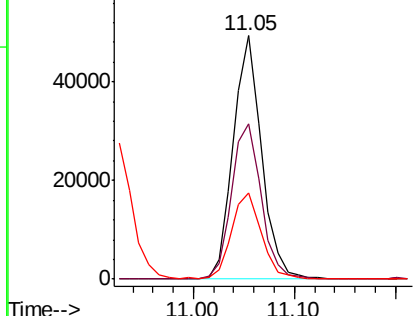
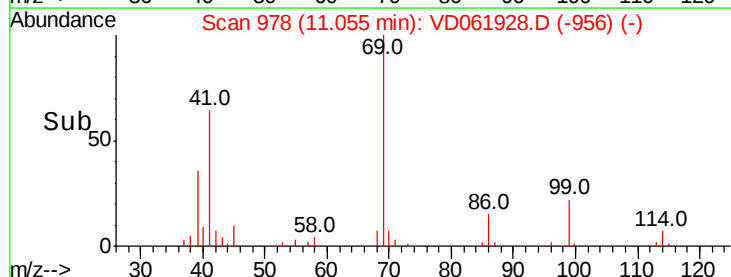


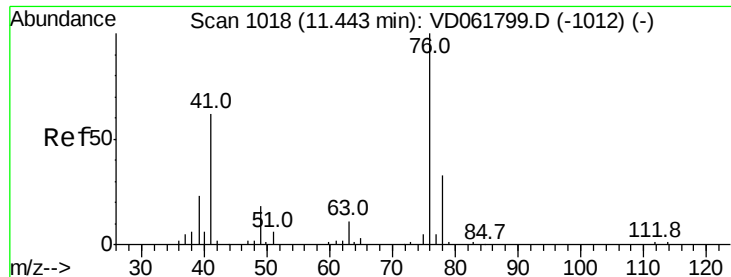
#56
Ethyl methacrylate
Concen: 26.130 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion: 69 Resp: 96371
Ion Ratio Lower Upper
69 100
41 63.9 56.3 84.5
39 35.6 29.4 44.2



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

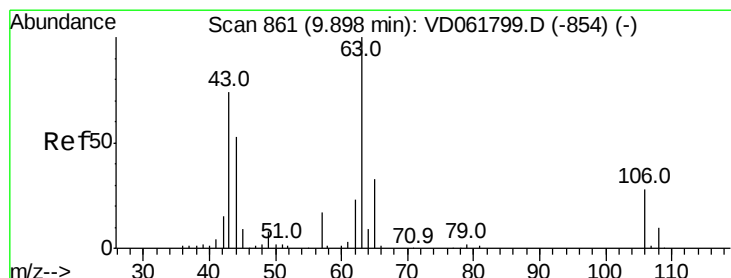
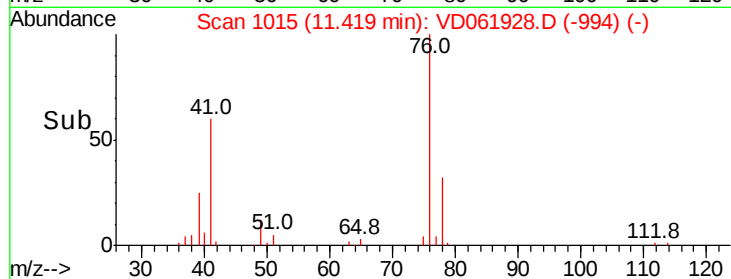
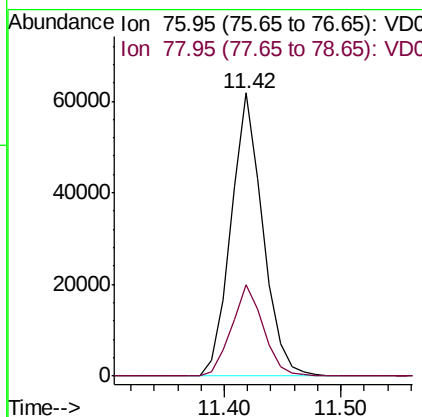
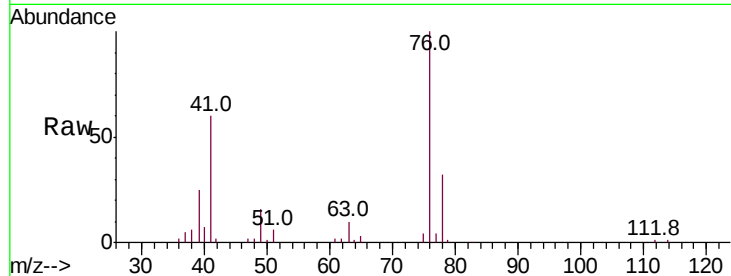




#57
 1,3-Dichloropropane
 Concen: 22.976 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

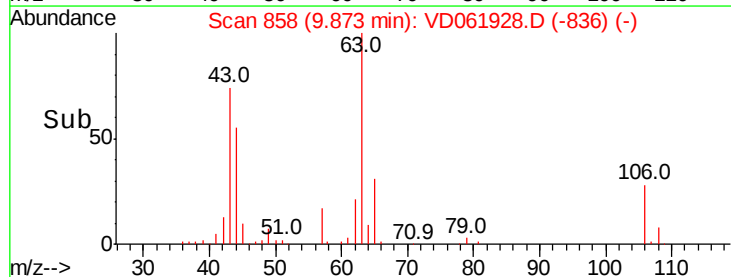
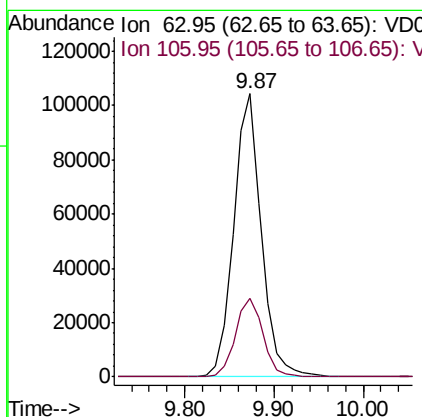
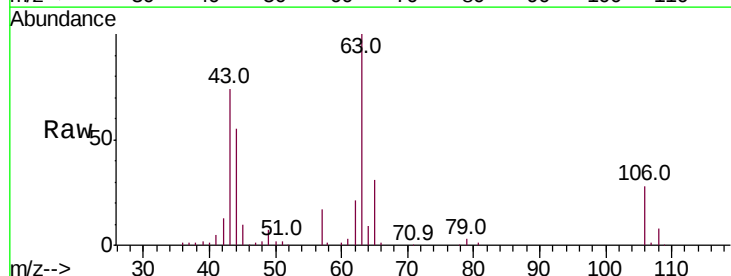
Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

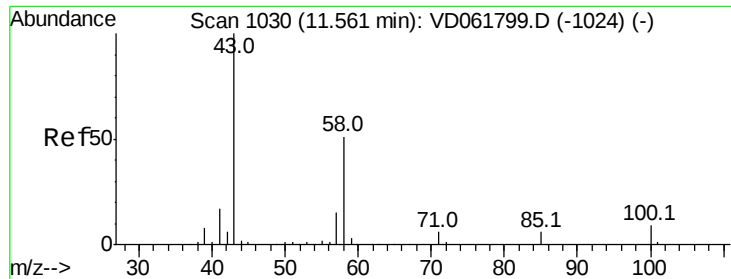
Tot Ion: 76 Resp: 116072
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.246 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion: 63 Resp: 224972
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 34.0

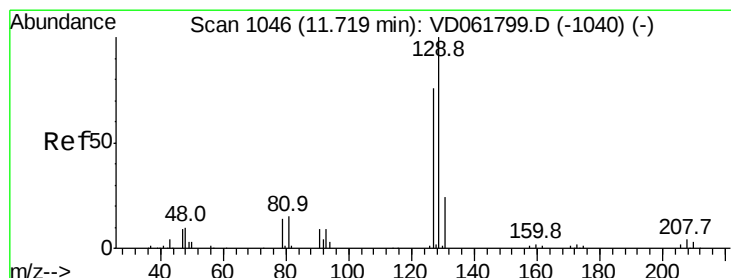
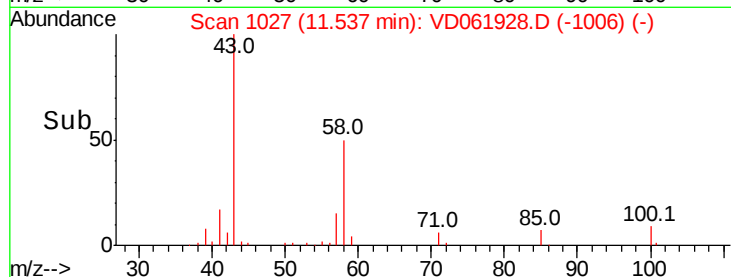
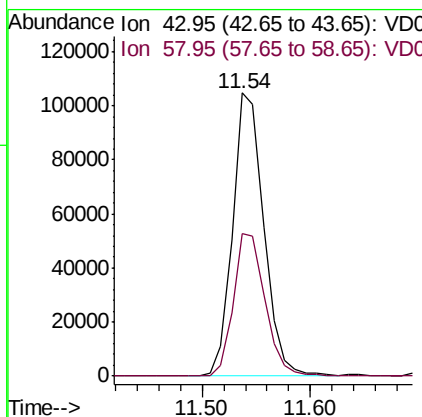
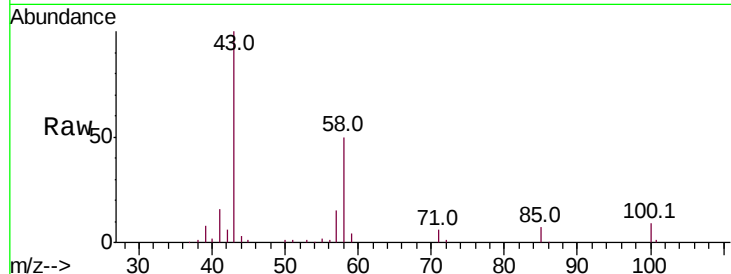




#59
2-Hexanone
Concen: 118.425 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

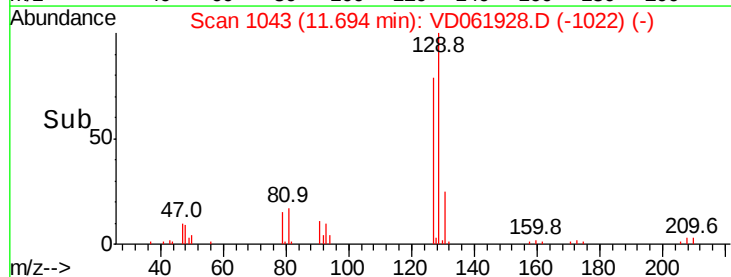
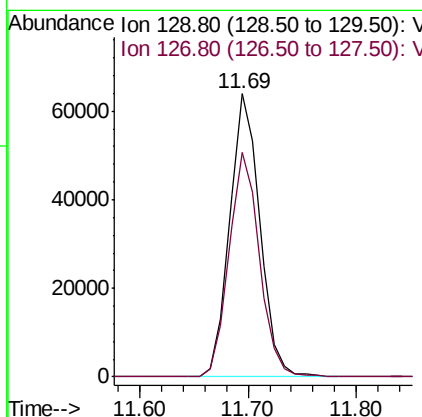
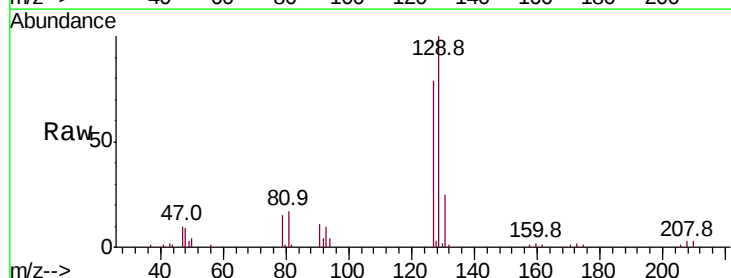
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

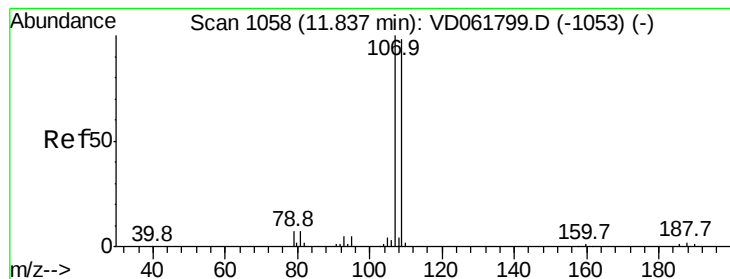
Tot Ion: 43 Resp: 209993
Ion Ratio Lower Upper
43 100
58 50.3 25.4 76.4



#60
Dibromochloromethane
Concen: 22.572 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion: 129 Resp: 124110
Ion Ratio Lower Upper
129 100
127 79.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 23.930 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

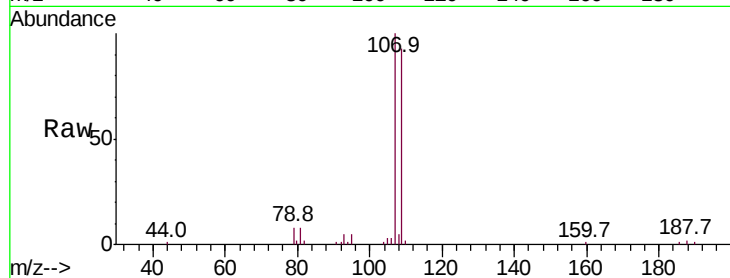
VD9419SBS02

Tot Ion:107 Resp: 98877

Ion Ratio Lower Upper

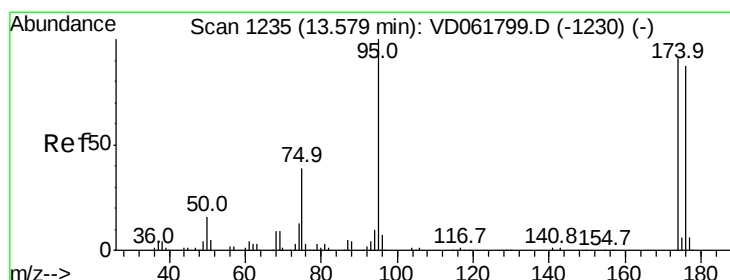
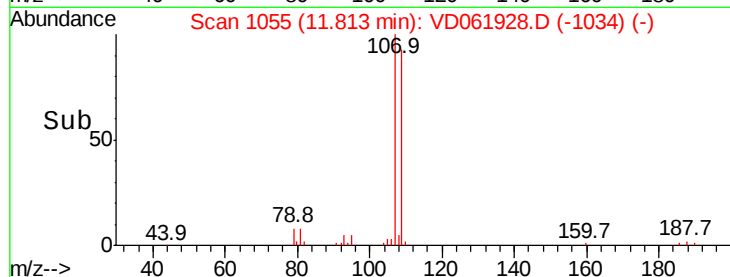
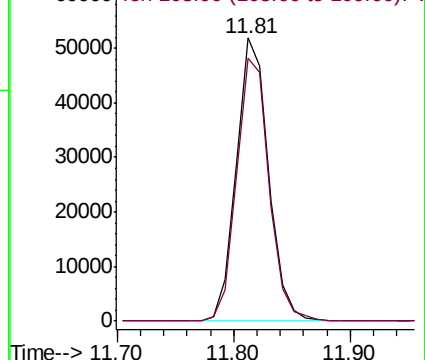
107 100

109 93.1 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 48.852 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

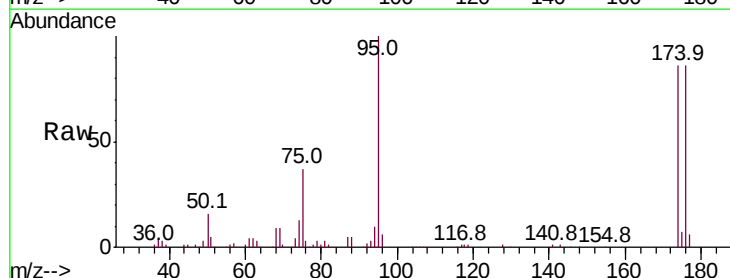
Tgt Ion: 95 Resp: 281161

Ion Ratio Lower Upper

95 100

174 86.5 0.0 181.8

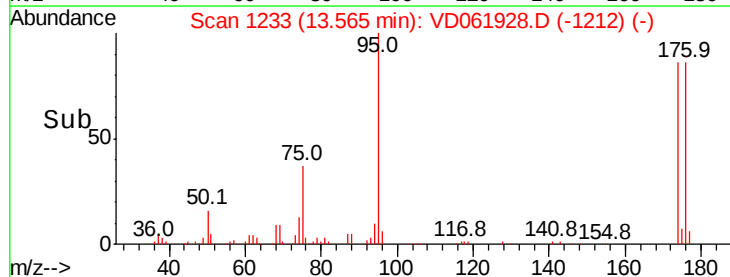
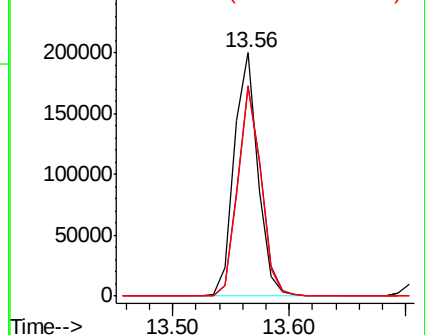
176 85.8 0.0 174.4

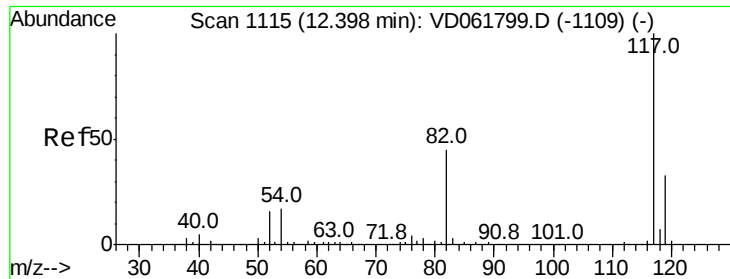


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

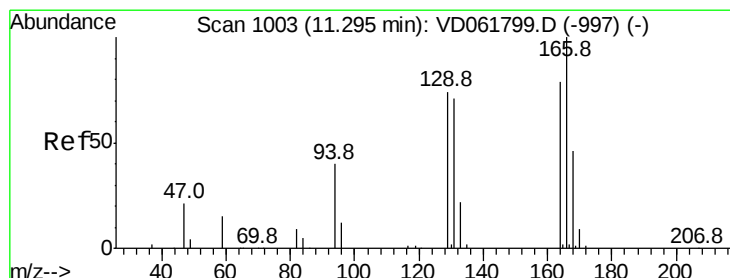
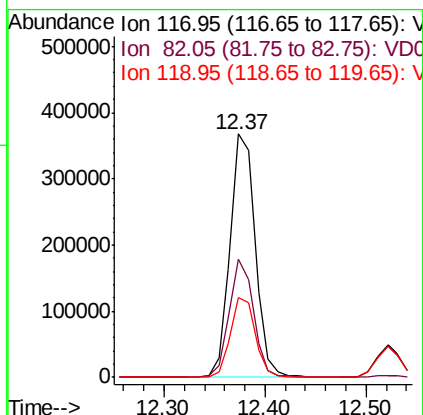
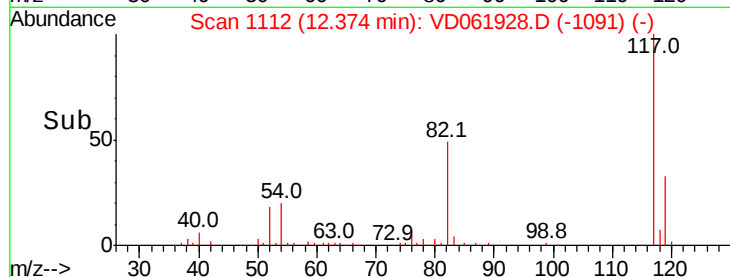
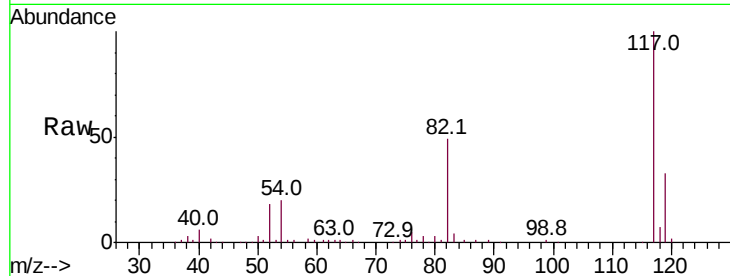




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

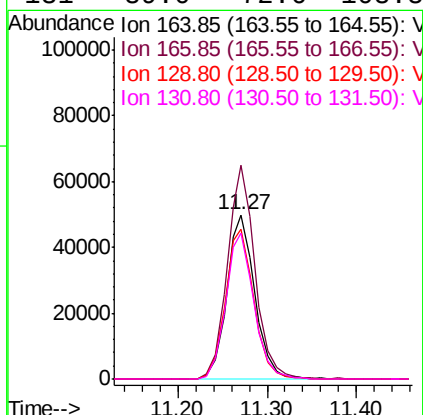
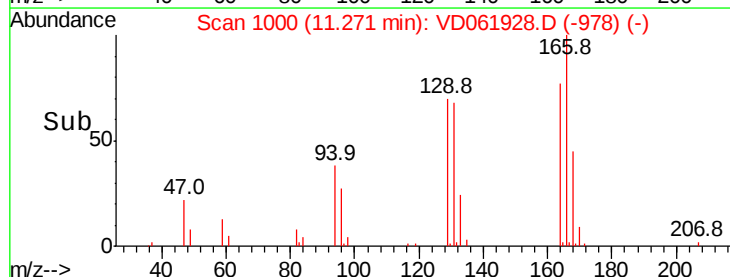
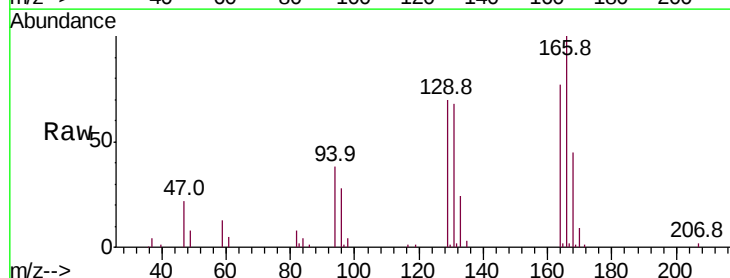
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

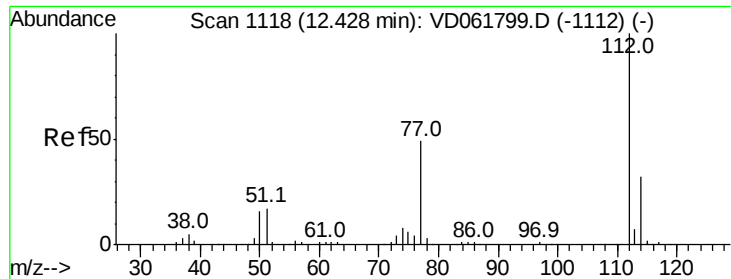
Tot Ion:117 Resp: 637382
Ion Ratio Lower Upper
117 100
82 48.6 36.2 54.2
119 32.5 26.2 39.4



#64
Tetrachloroethene
Concen: 22.910 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion:164 Resp: 109512
Ion Ratio Lower Upper
164 100
166 129.9 101.5 152.3
129 91.1 74.6 112.0
131 89.0 72.6 108.8

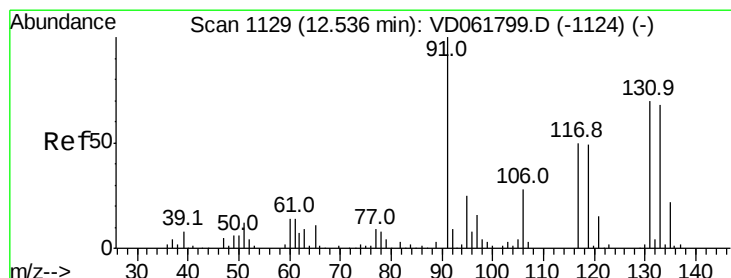
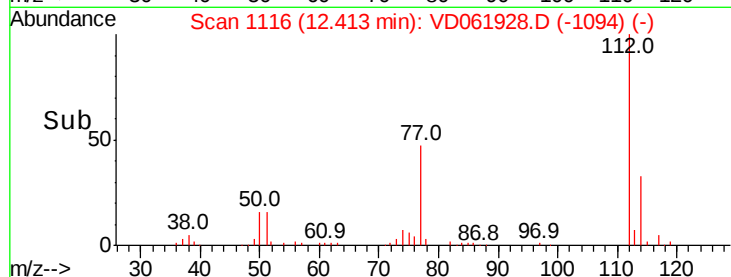
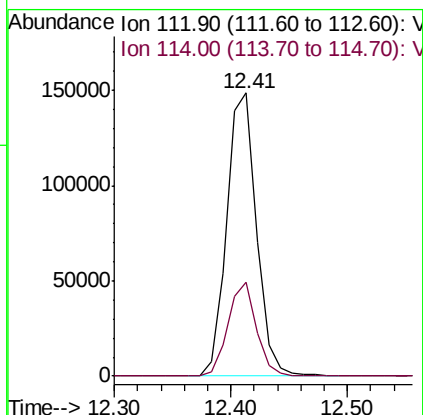
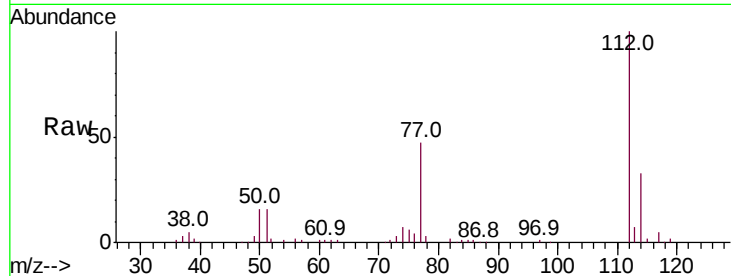




#65
Chlorobenzene
Concen: 22.043 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

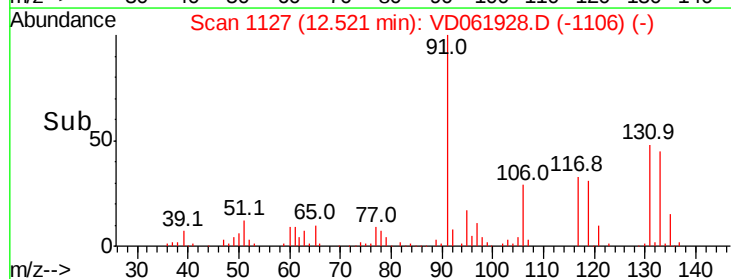
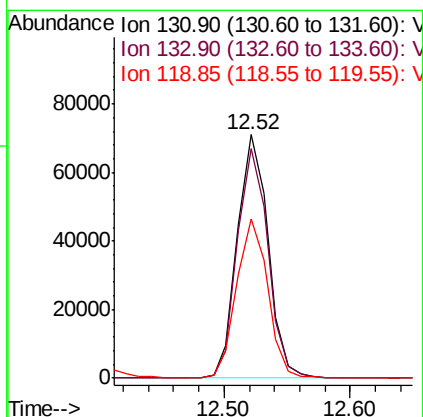
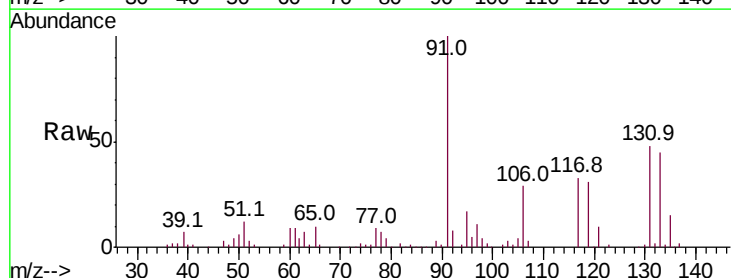
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

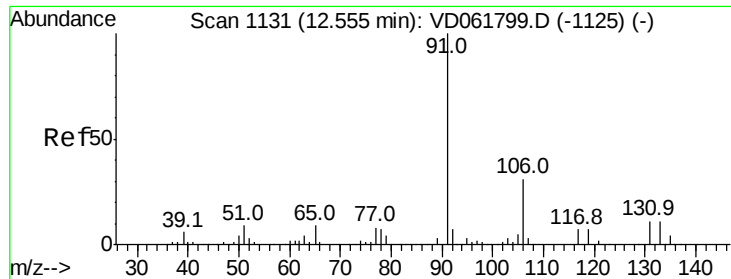
Tot Ion:112 Resp: 261652
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.084 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion:131 Resp: 119806
Ion Ratio Lower Upper
131 100
133 94.4 48.6 145.8
119 65.6 34.7 104.1

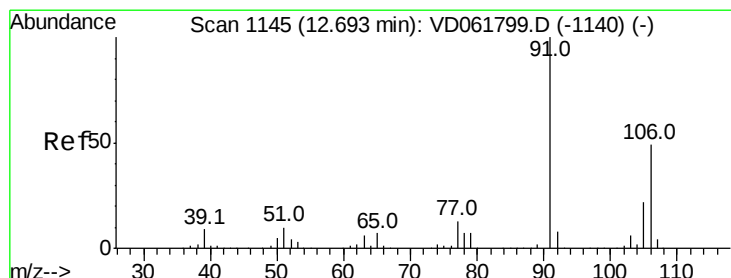
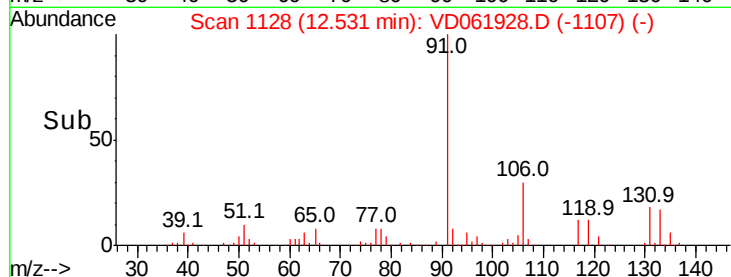
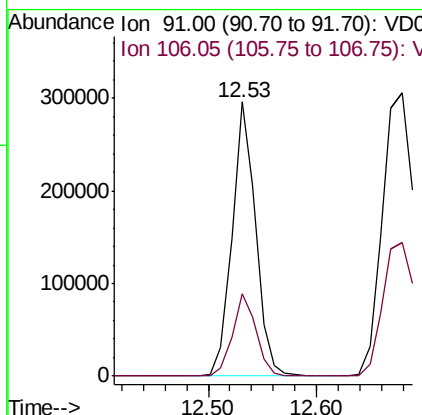
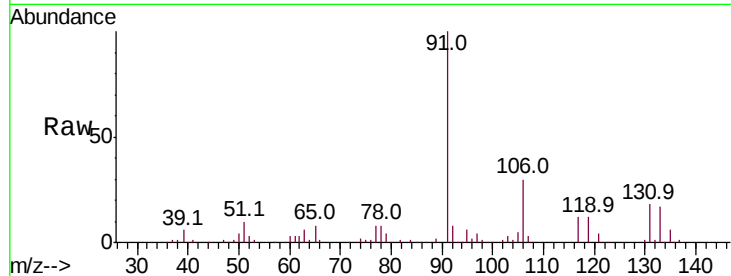




#67
Ethyl Benzene
Concen: 23.555 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

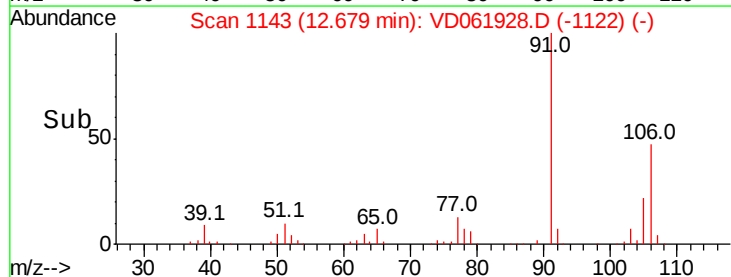
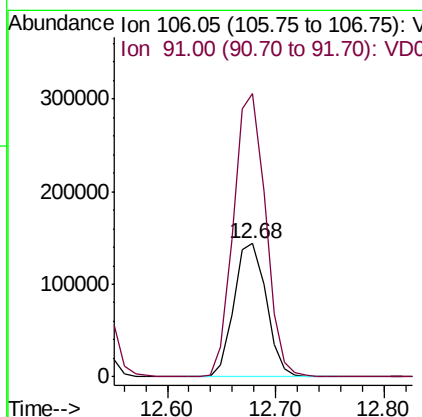
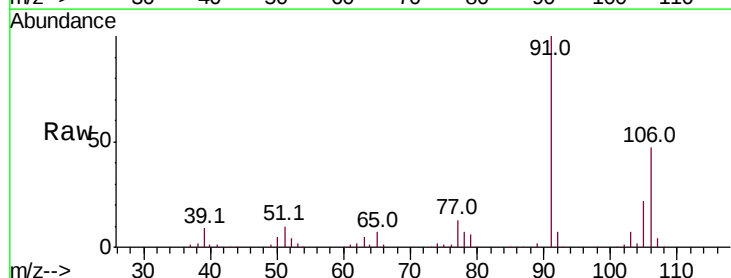
Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

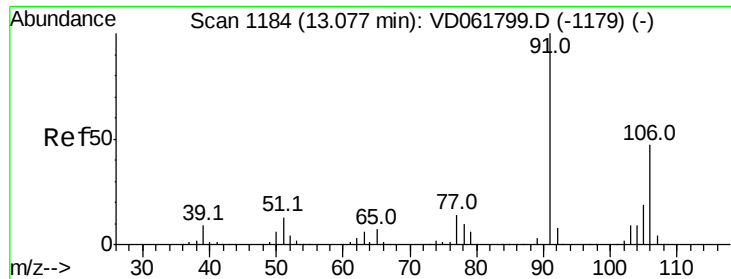
Tot Ion: 91 Resp: 447758
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1



#68
m/p-Xylenes
Concen: 42.098 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion:106 Resp: 300603
Ion Ratio Lower Upper
106 100
91 212.8 164.0 246.0

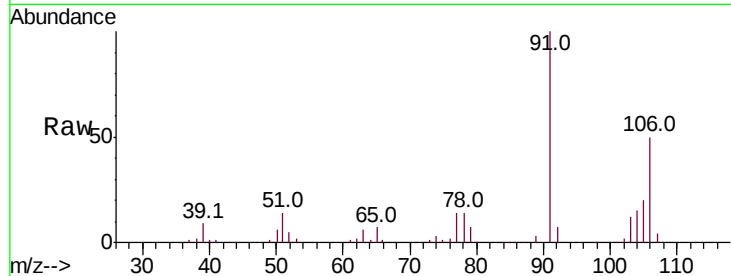




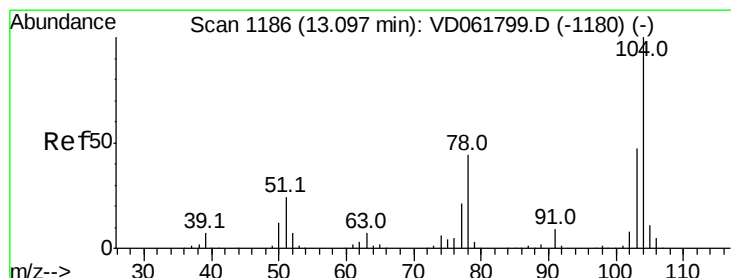
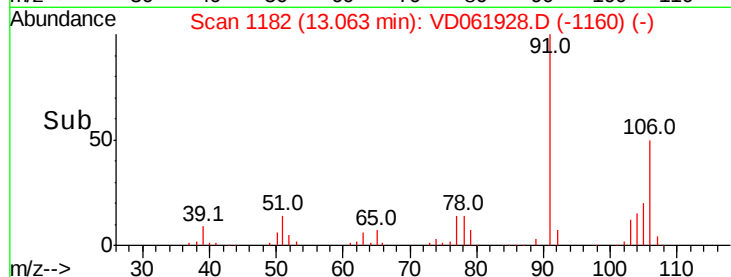
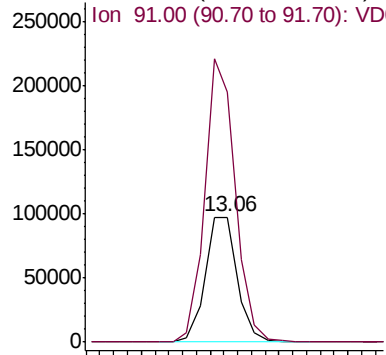
#69
o-Xylene
Concen: 23.366 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Instrument :
MSVOA_D
ClientSampleID :
VD9419SBS02

Tot Ion:106 Resp: 156821
Ion Ratio Lower Upper
106 100
91 200.3 106.7 319.9

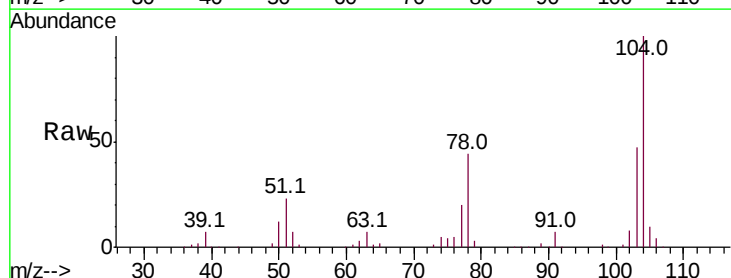


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

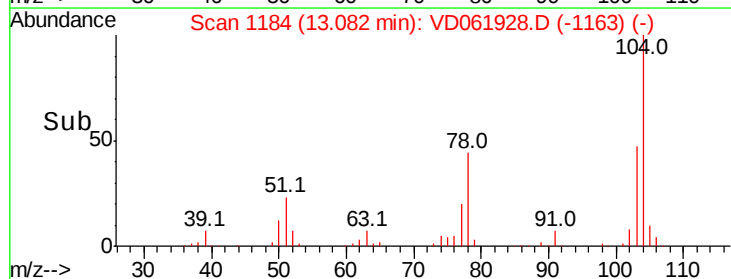
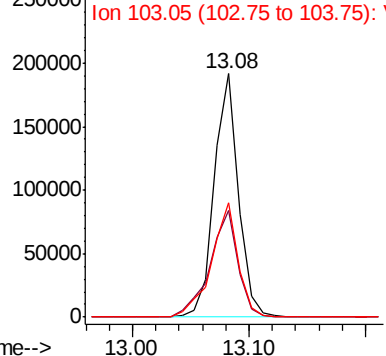


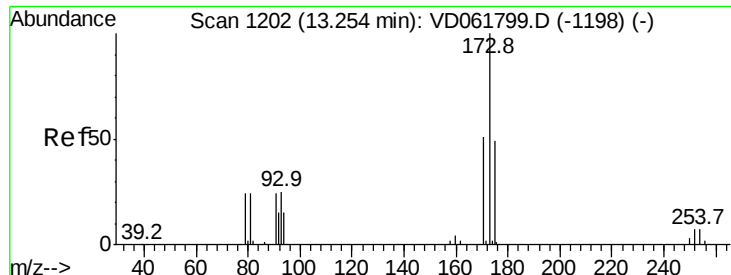
#70
Styrene
Concen: 23.800 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion:104 Resp: 274880
Ion Ratio Lower Upper
104 100
78 43.8 35.4 53.2
103 47.0 37.5 56.3



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





#71

Bromoform

Concen: 25.476 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

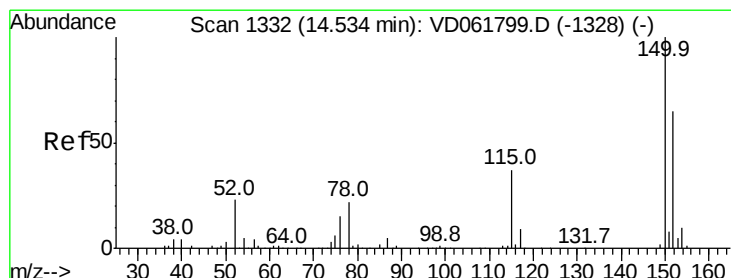
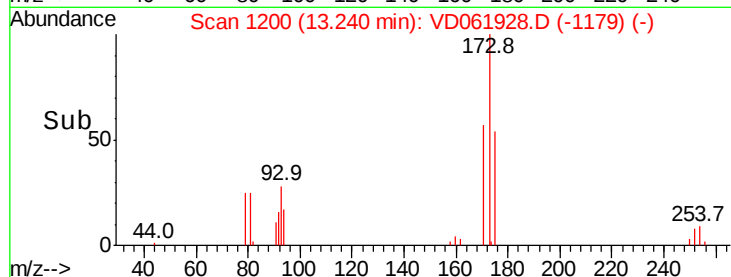
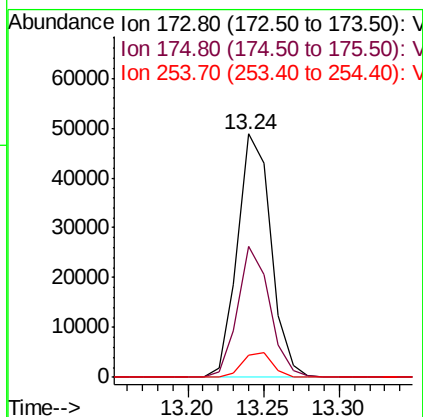
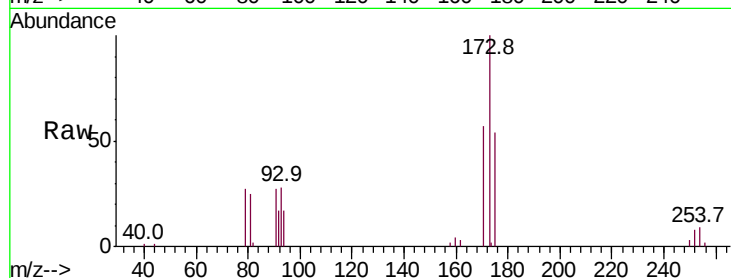
Tot Ion:173 Resp: 75223

Ion Ratio Lower Upper

173 100

175 53.6 24.4 73.4

254 9.2 5.4 8.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

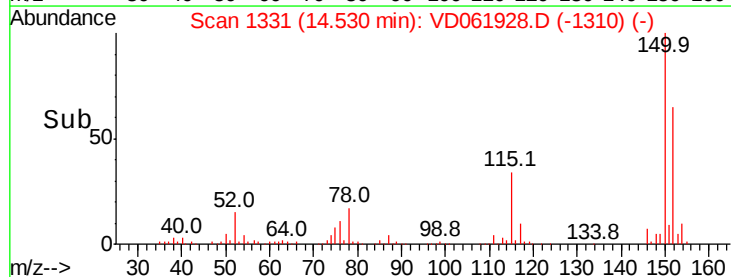
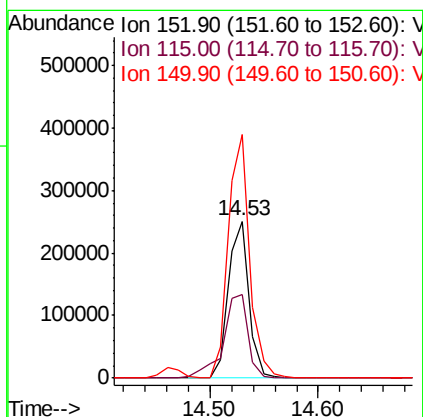
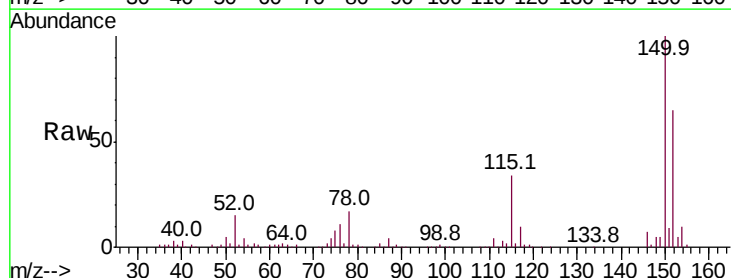
Tgt Ion:152 Resp: 332782

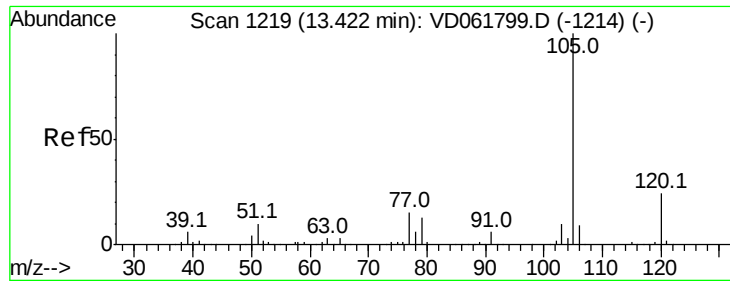
Ion Ratio Lower Upper

152 100

115 53.2 30.9 92.7

150 155.0 0.0 314.8





#73

Isopropylbenzene

Concen: 21.491 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

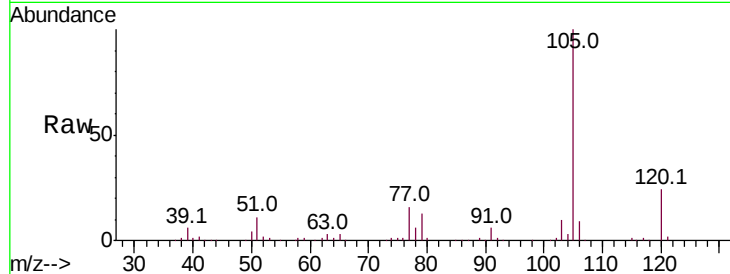
VD9419SBS02

Tot Ion:105 Resp: 463827

Ion Ratio Lower Upper

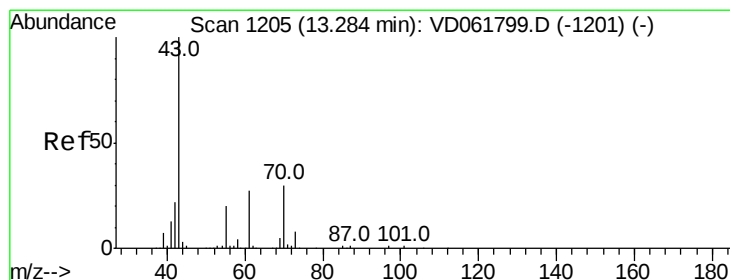
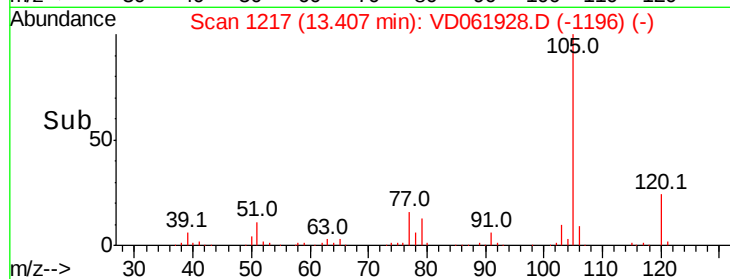
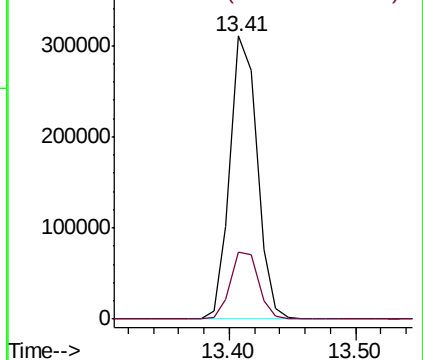
105 100

120 23.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.359 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Tgt Ion: 43 Resp: 123955

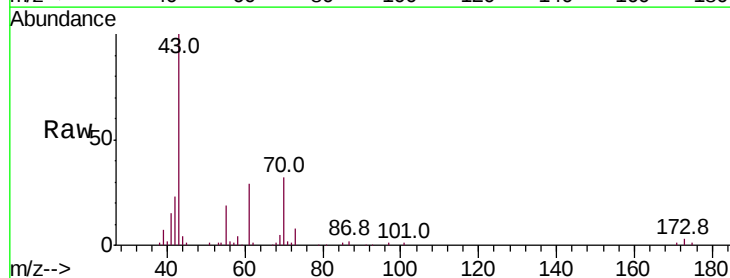
Ion Ratio Lower Upper

43 100

70 32.2 24.2 36.4

55 19.2 16.0 24.0

61 28.7 21.6 32.4

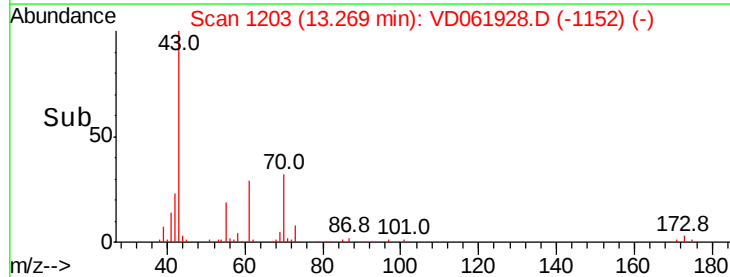
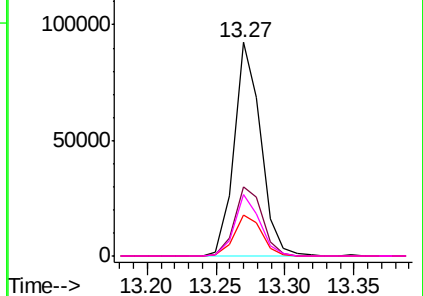


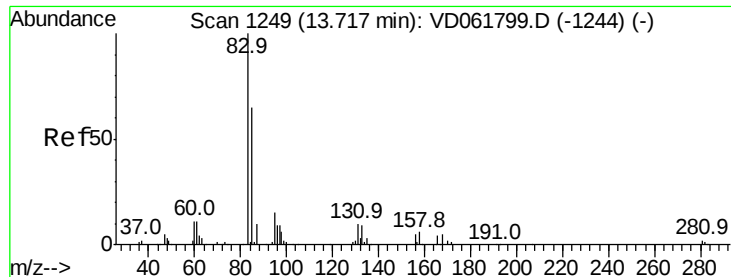
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.584 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

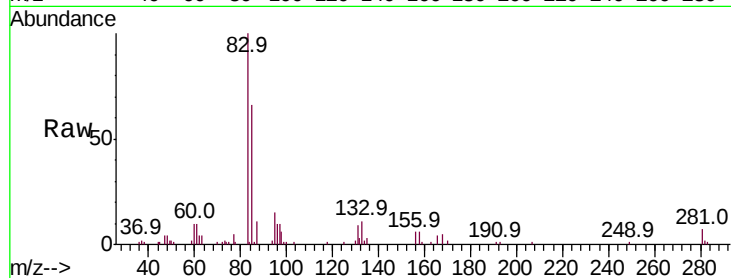
Tot Ion: 83 Resp: 96345

Ion Ratio Lower Upper

83 100

131 9.1 5.0 14.9

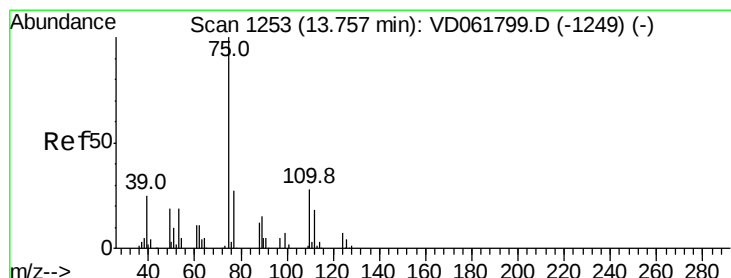
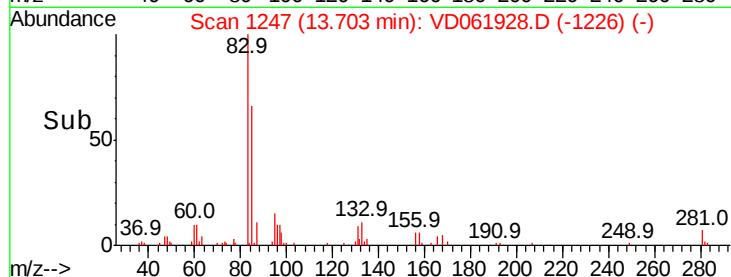
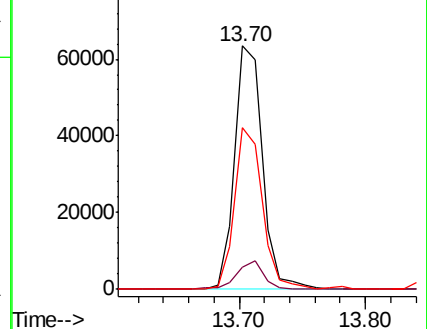
85 66.3 32.6 97.7



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: 22.062 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061928.D

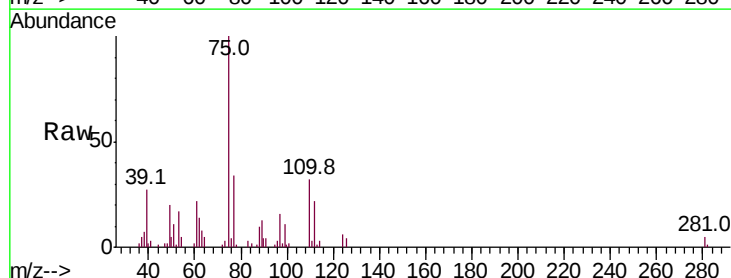
Acq: 20 Apr 2019 3:02

Tgt Ion: 75 Resp: 96418

Ion Ratio Lower Upper

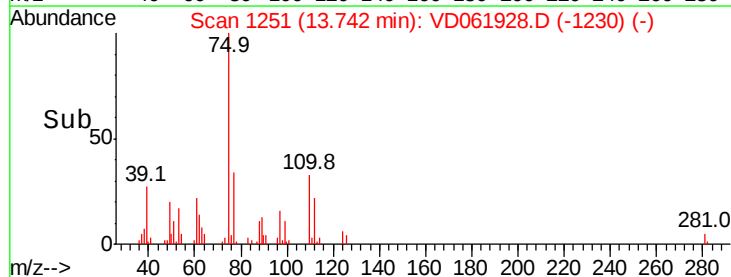
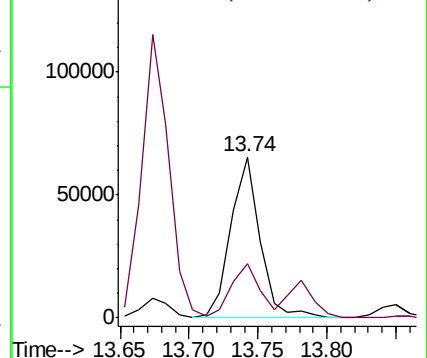
75 100

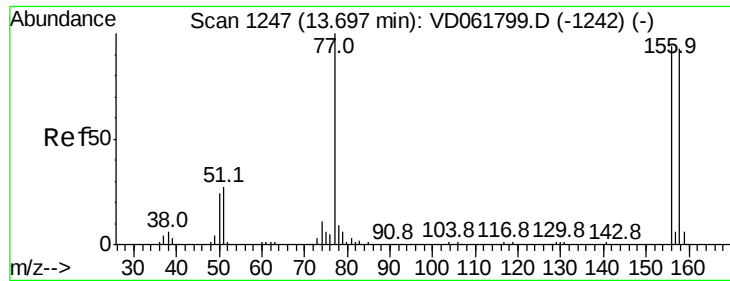
77 33.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.657 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

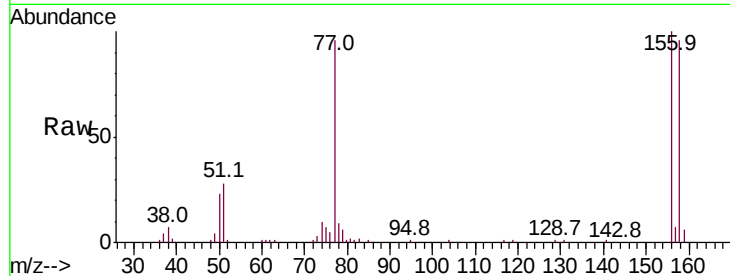
Tot Ion:156 Resp: 126642

Ion Ratio Lower Upper

156 100

77 96.2 53.1 159.4

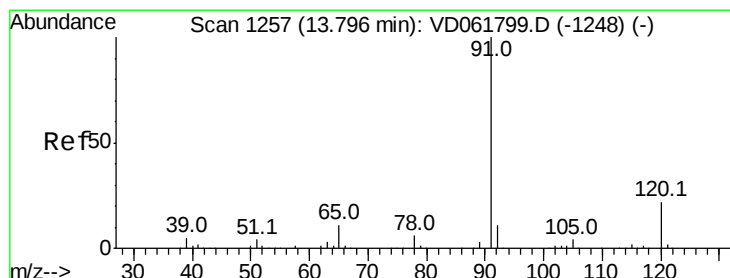
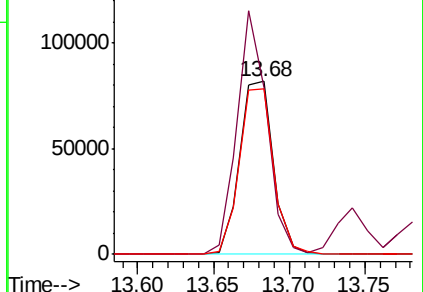
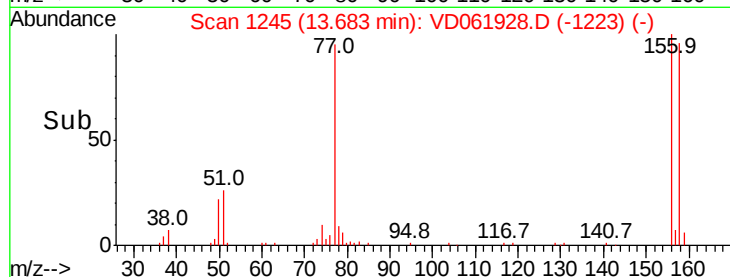
158 96.0 49.4 148.0



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: 21.459 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061928.D

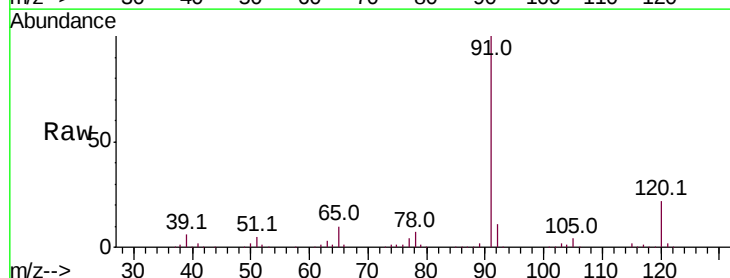
Acq: 20 Apr 2019 3:02

Tgt Ion: 91 Resp: 535080

Ion Ratio Lower Upper

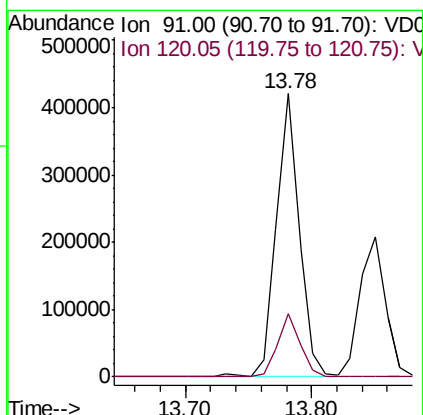
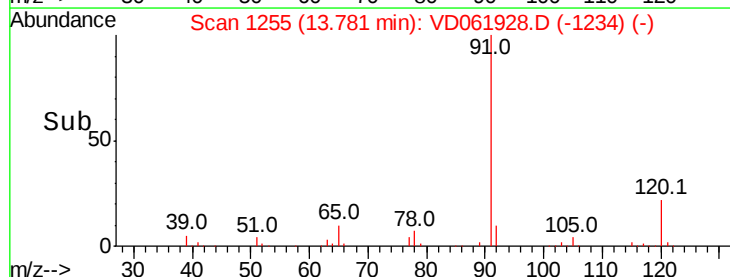
91 100

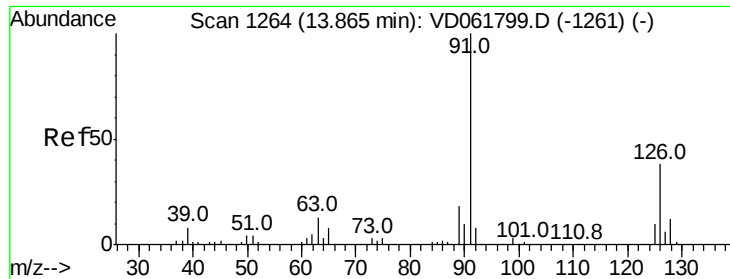
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

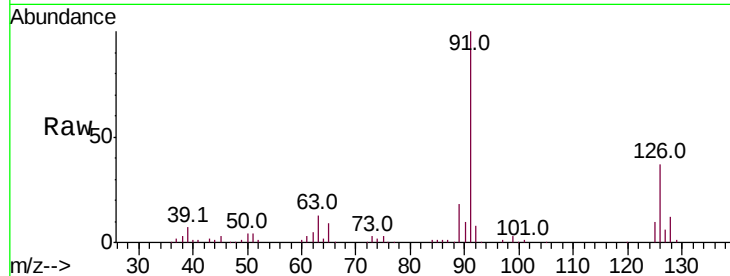




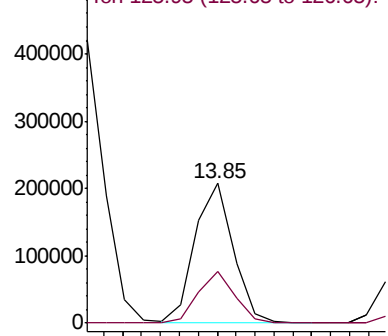
#79
 2-Chlorotoluene
 Concen: 19.911 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

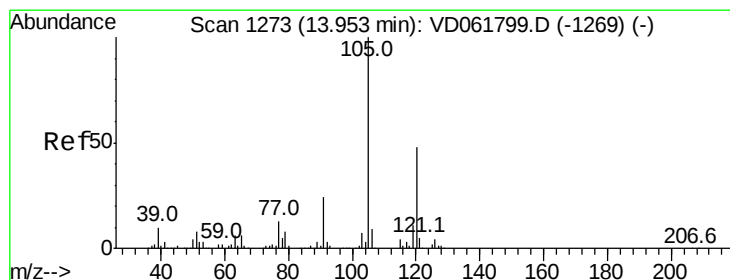
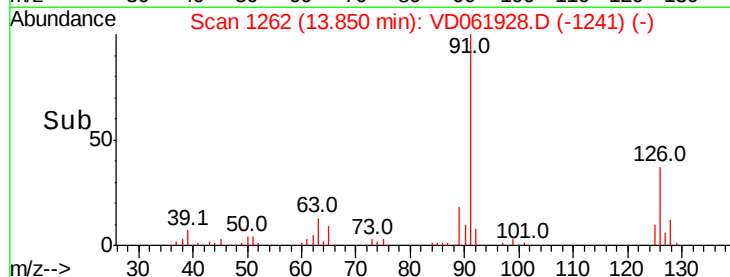
Tot Ion: 91 Resp: 290035
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.6 55.8



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

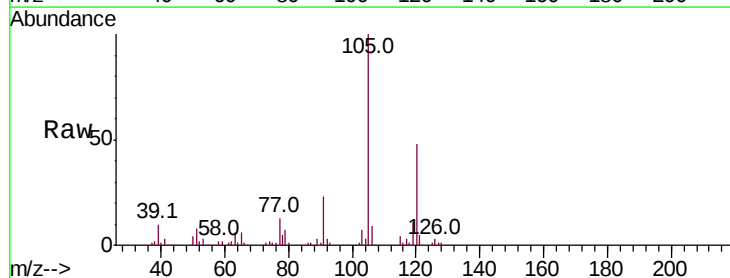


Time-->

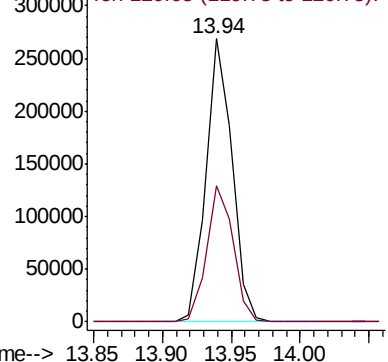


#80
 1,3,5-Trimethylbenzene
 Concen: 20.629 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

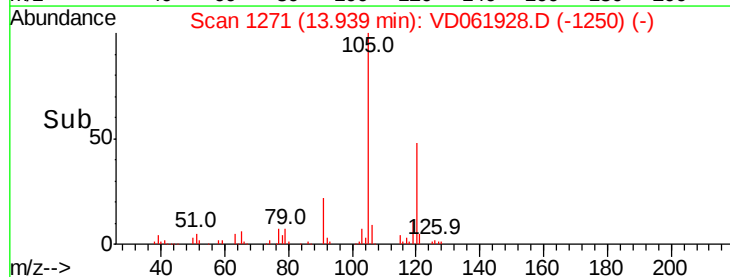
Tgt Ion:105 Resp: 353269
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.0 72.0

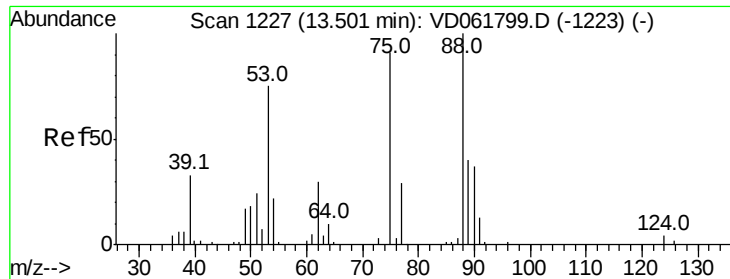


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.995 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

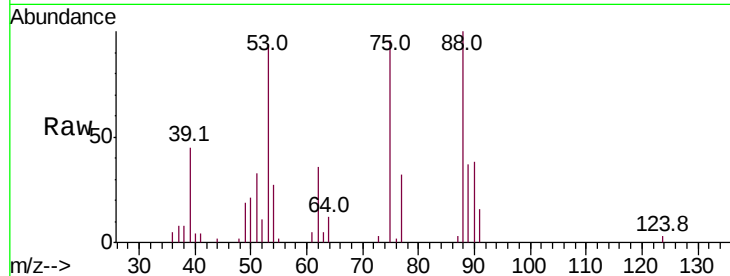
Tot Ion: 75 Resp: 25298

Ion Ratio Lower Upper

75 100

53 98.6 65.8 98.8

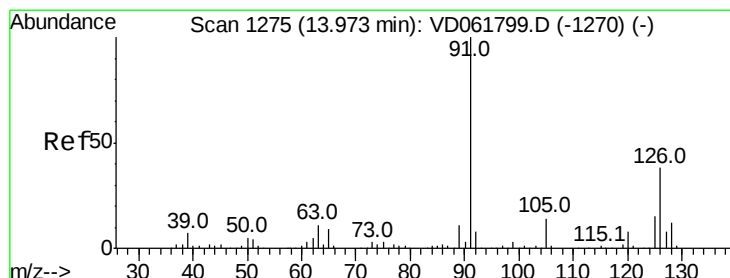
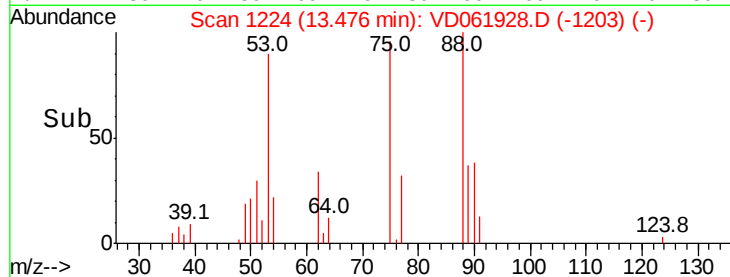
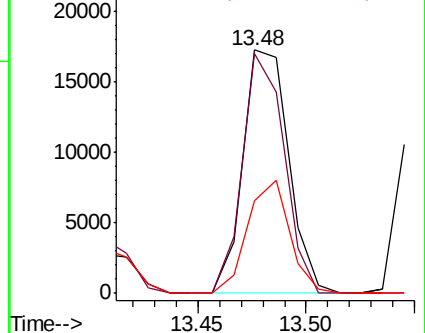
89 38.2 35.0 52.6



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: 21.095 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD061928.D

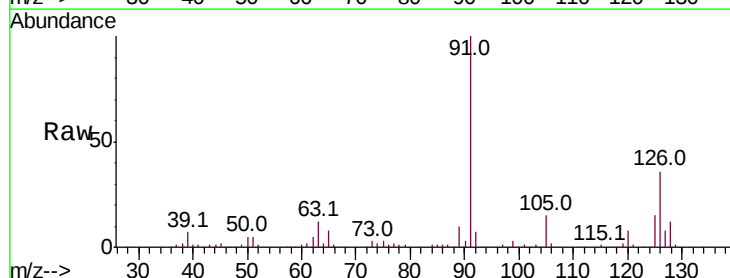
Acq: 20 Apr 2019 3:02

Tgt Ion: 91 Resp: 351707

Ion Ratio Lower Upper

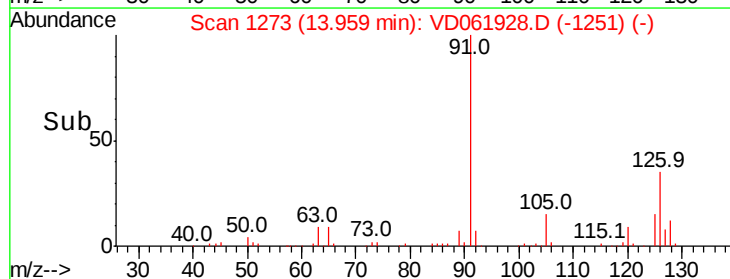
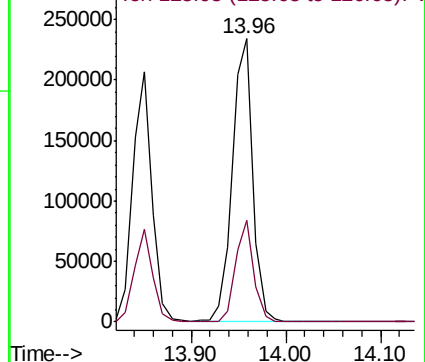
91 100

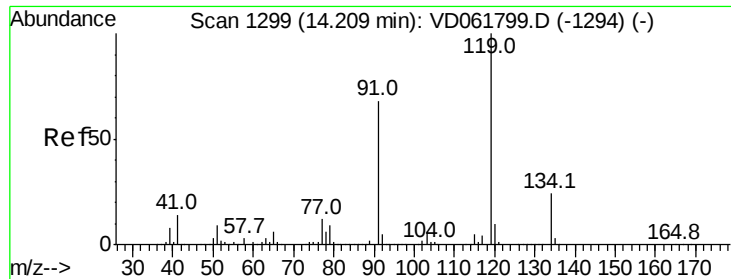
126 36.1 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

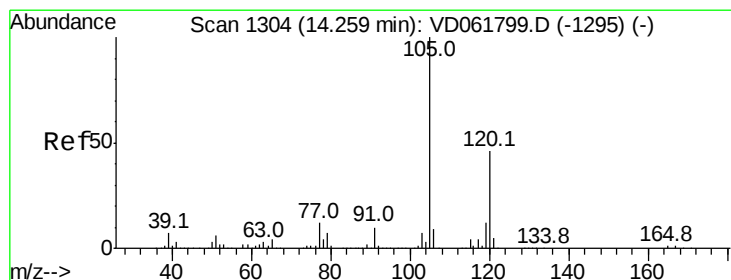
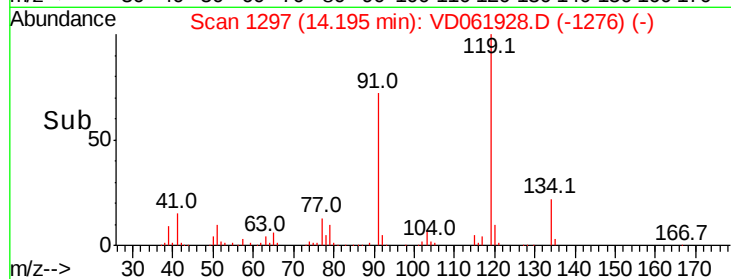
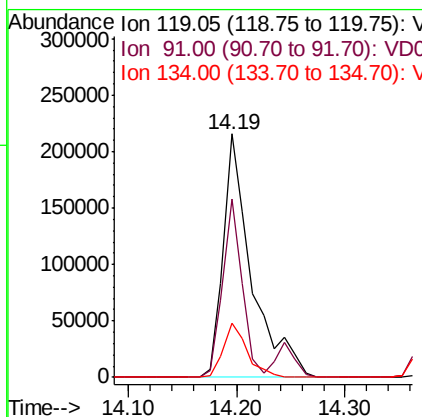
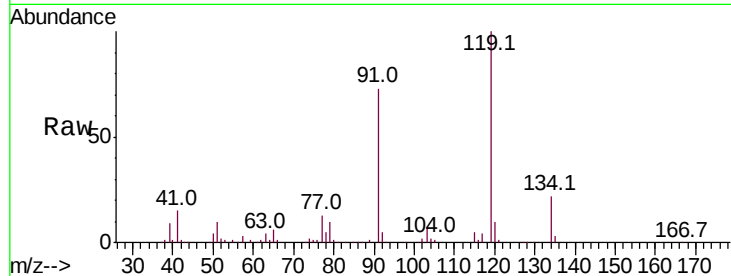




#83
 tert-Butylbenzene
 Concen: 19.587 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

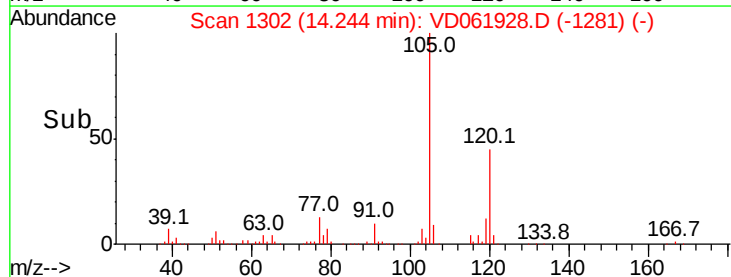
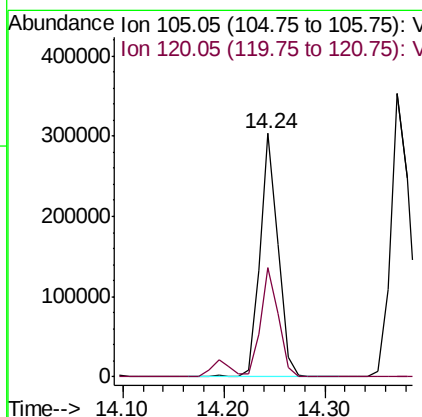
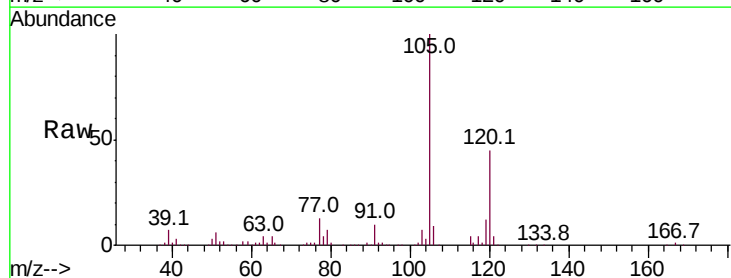
Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

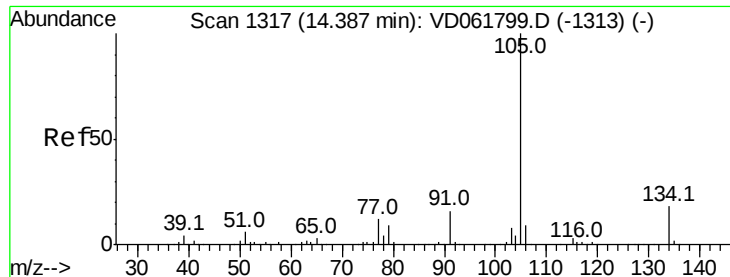
Tot Ion:119 Resp: 393839
 Ion Ratio Lower Upper
 119 100
 91 73.3 34.2 102.6
 134 22.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.125 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion:105 Resp: 380855
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.2

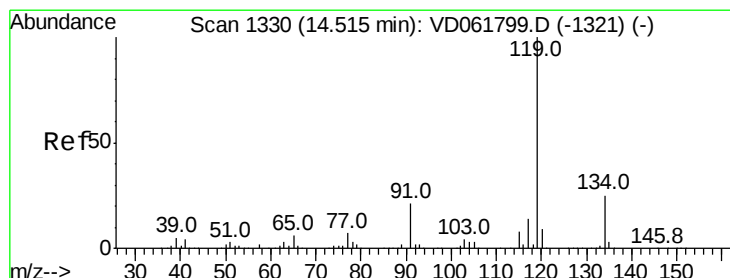
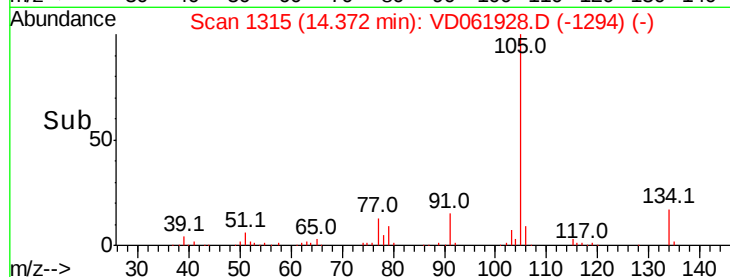
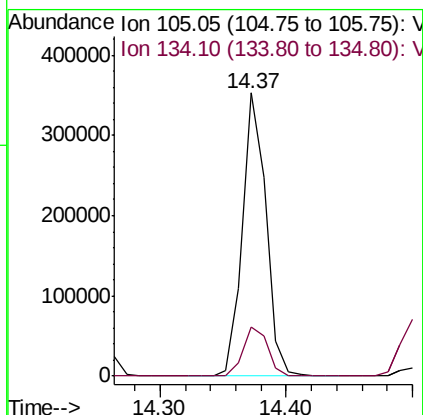
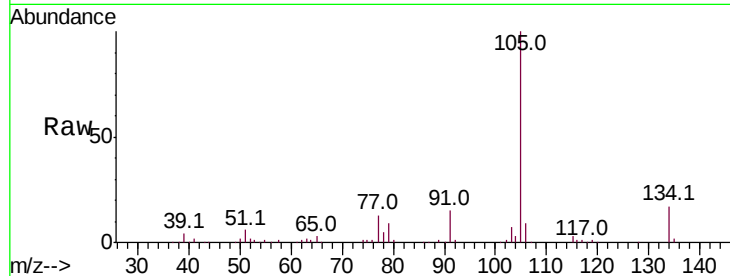




#85
 sec-Butylbenzene
 Concen: 21.914 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

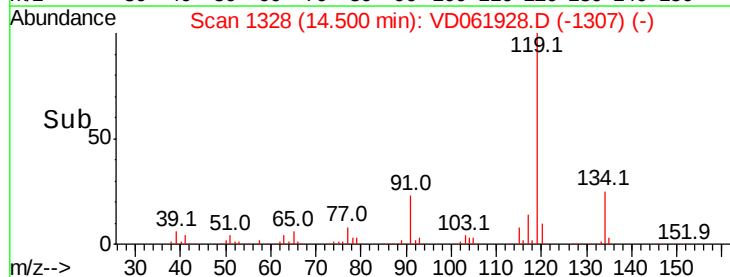
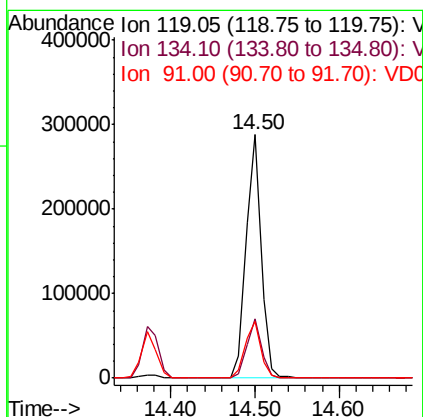
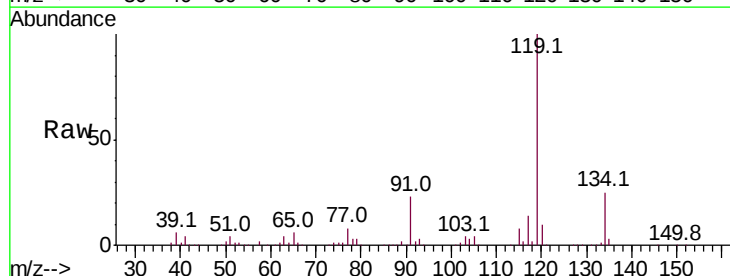
Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

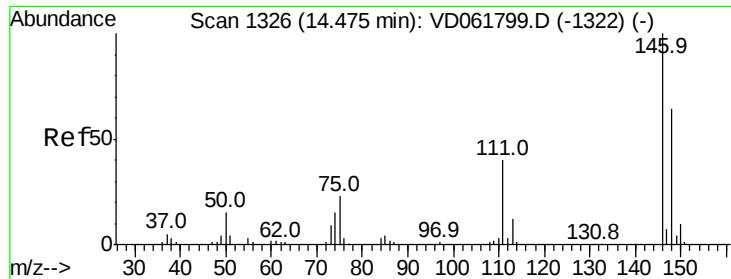
Tot Ion:105 Resp: 455505
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.587 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion:119 Resp: 361498
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.8 38.3
 91 23.4 10.7 32.1

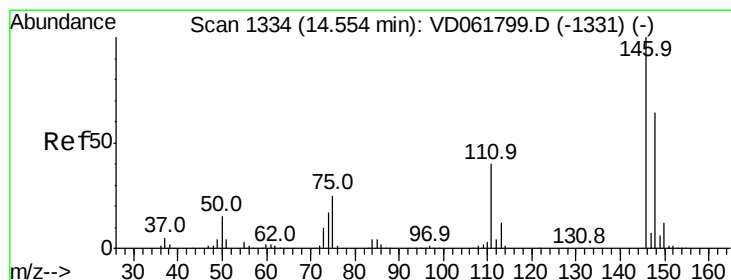
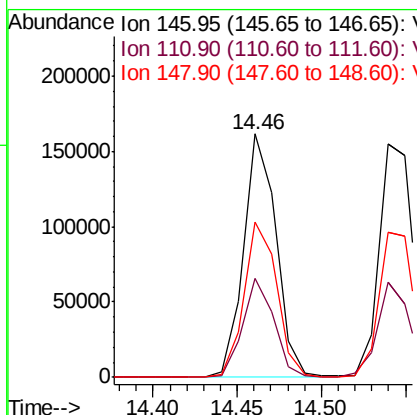
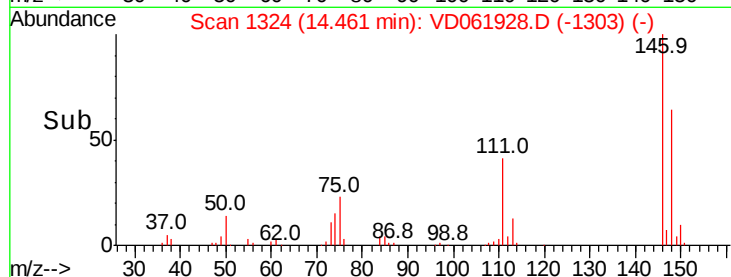
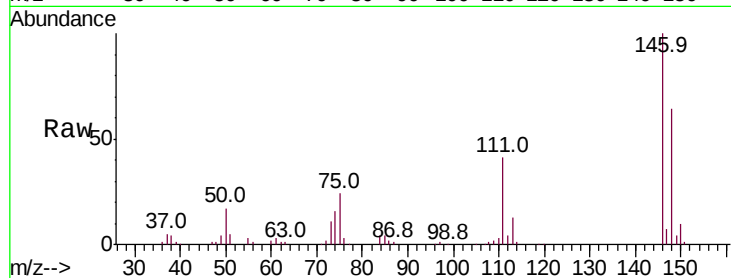




#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

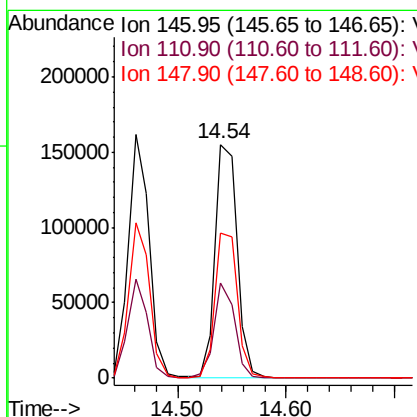
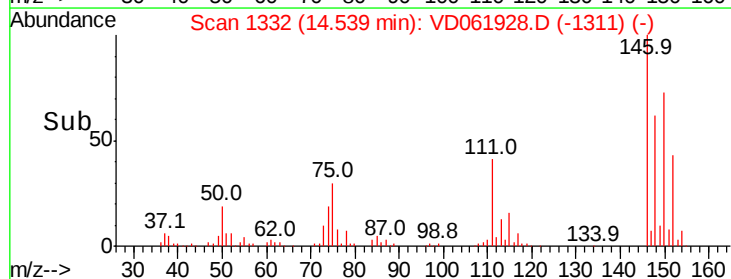
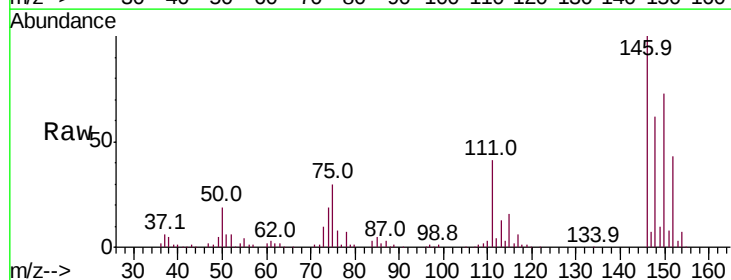
Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

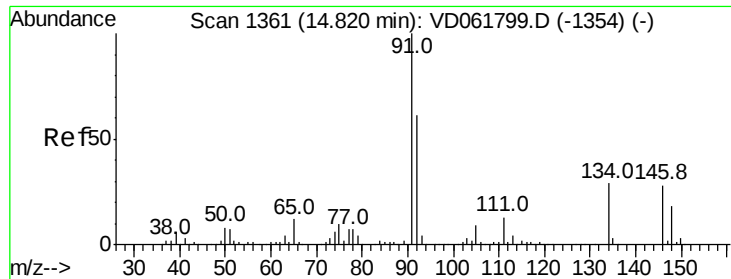
Tot Ion:146 Resp: 216538
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.876 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion:146 Resp: 220861
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.2 60.5
 148 61.9 32.0 96.2





#89

n-Butylbenzene

Concen: 20.607 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

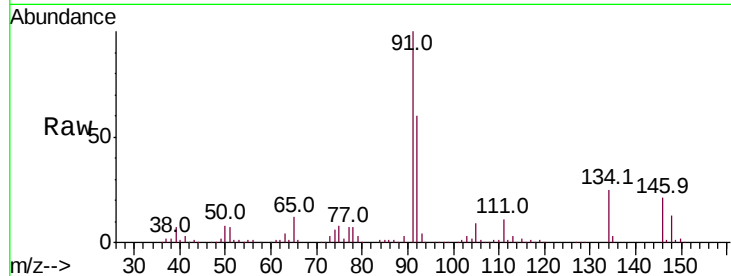
Tot Ion: 91 Resp: 354764

Ion Ratio Lower Upper

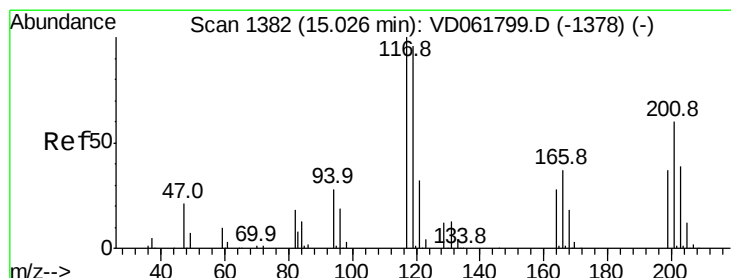
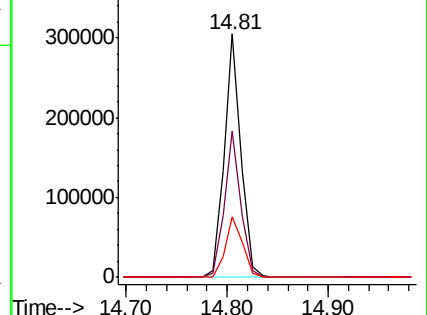
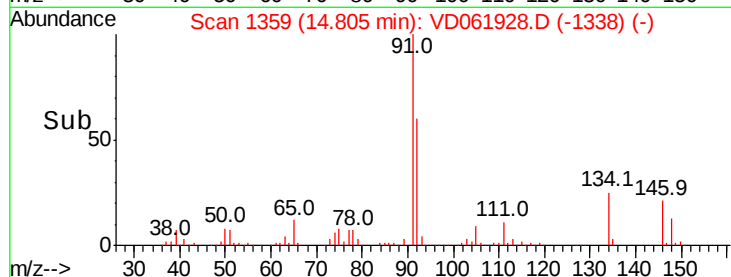
91 100

92 59.9 30.3 91.0

134 25.0 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.280 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061928.D

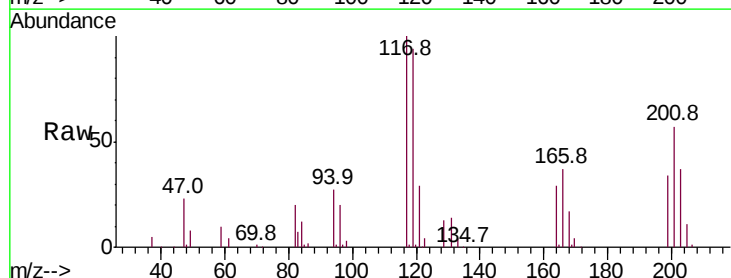
Acq: 20 Apr 2019 3:02

Tgt Ion: 117 Resp: 102200

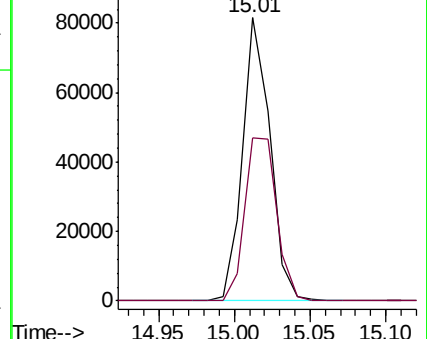
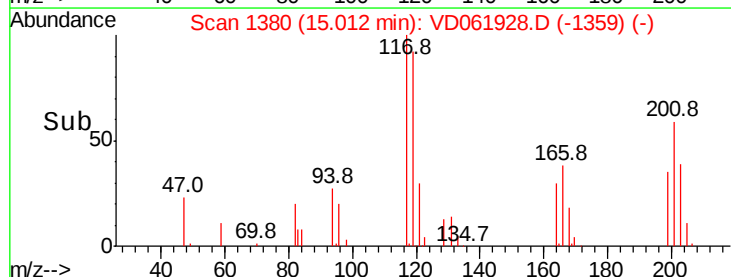
Ion Ratio Lower Upper

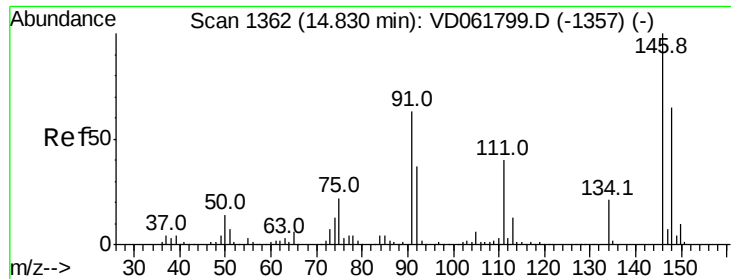
117 100

201 57.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

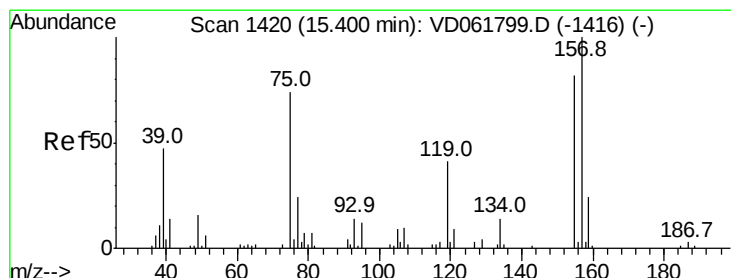
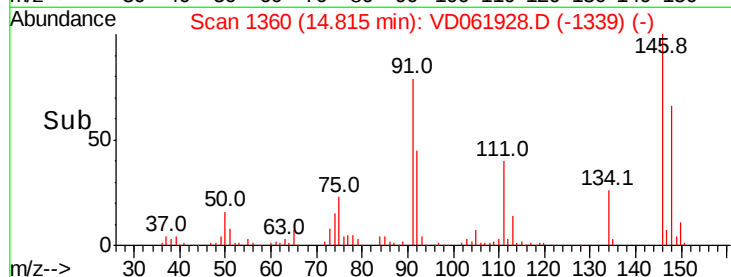
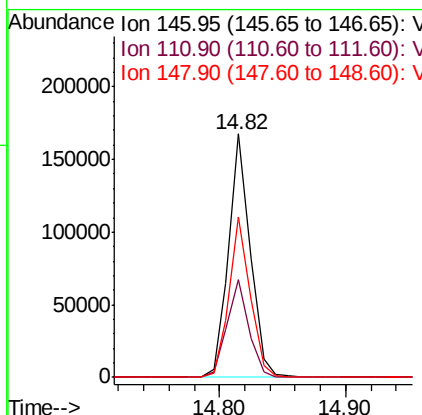
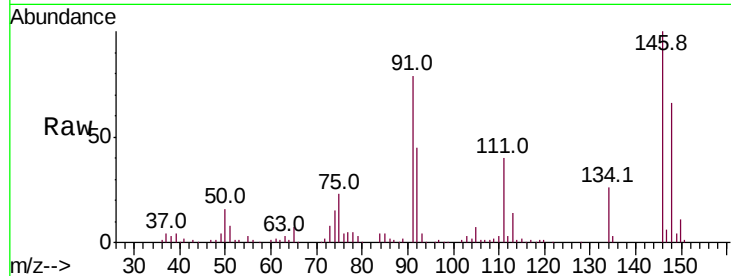




#91
 1,2-Dichlorobenzene
 Concen: 22.132 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

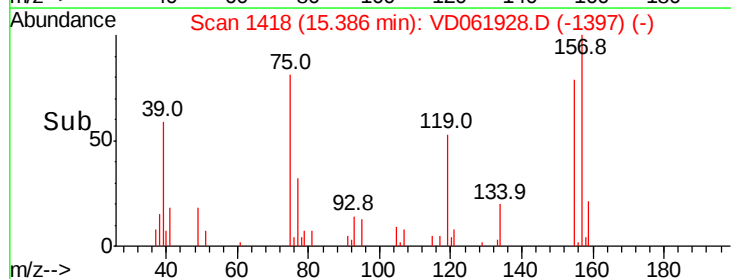
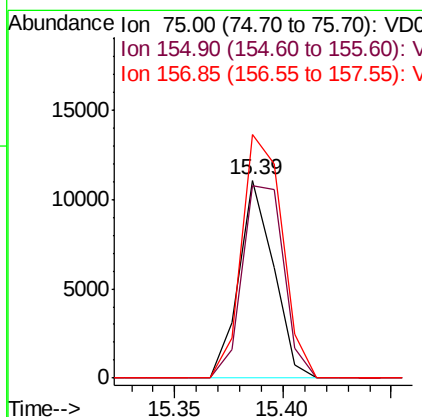
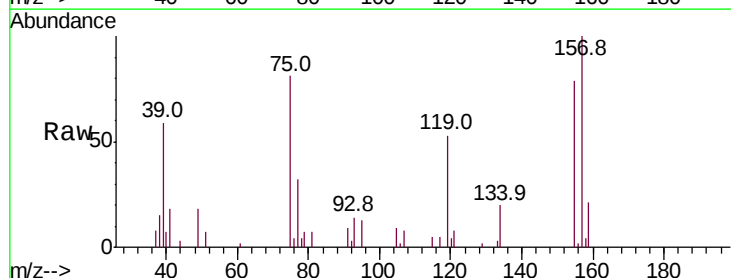
Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

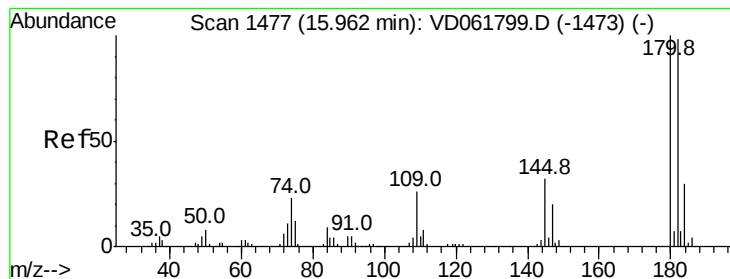
Tot Ion:146 Resp: 198416
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 65.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.921 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061928.D
 Acq: 20 Apr 2019 3:02

Tgt Ion: 75 Resp: 12441
 Ion Ratio Lower Upper
 75 100
 155 97.5 55.3 165.8
 157 123.1 67.8 203.2





#93

1,2,4-Trichlorobenzene

Concen: 20.788 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

VD9419SBS02

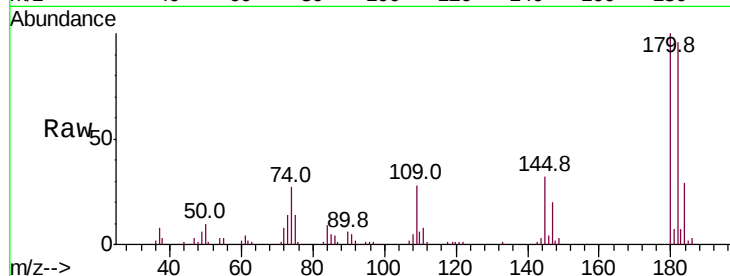
Tot Ion:180 Resp: 102355

Ion Ratio Lower Upper

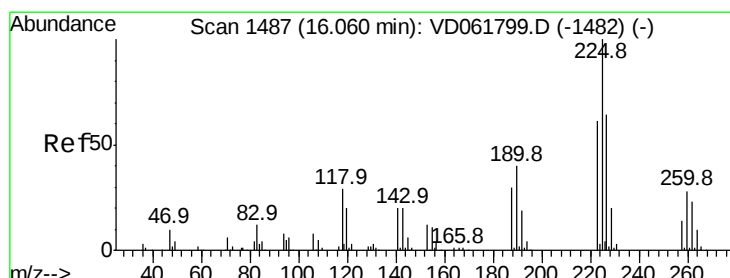
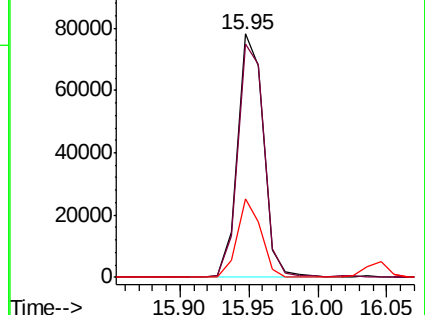
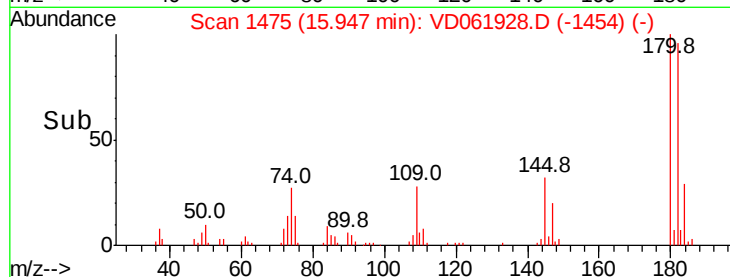
180 100

182 95.7 49.3 147.8

145 32.1 16.2 48.6



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



#94

Hexachlorobutadiene

Concen: 19.974 ug/l

RT: 16.05 min Scan# 1485

Delta R.T. 0.01 min

Lab File: VD061928.D

Acq: 20 Apr 2019 3:02

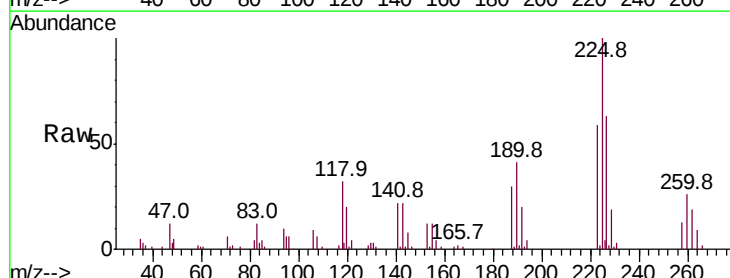
Tgt Ion:225 Resp: 71273

Ion Ratio Lower Upper

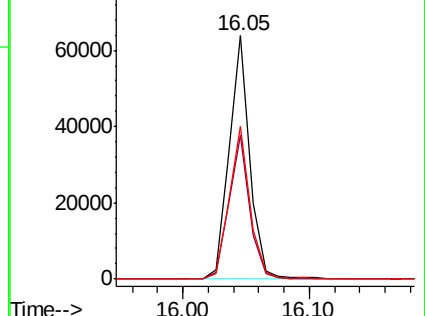
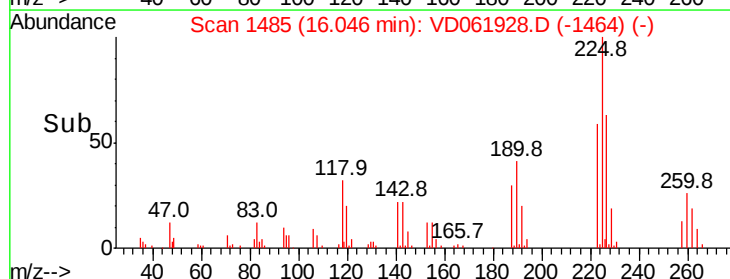
225 100

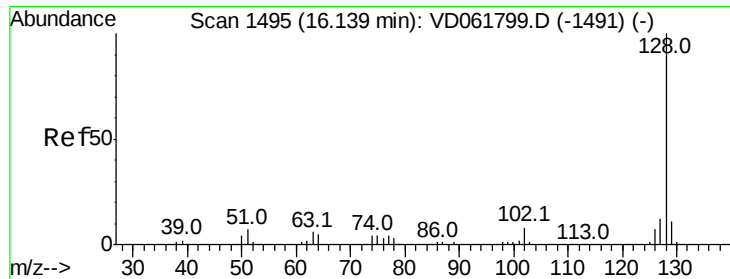
223 59.1 30.6 92.0

227 62.7 32.0 96.2



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

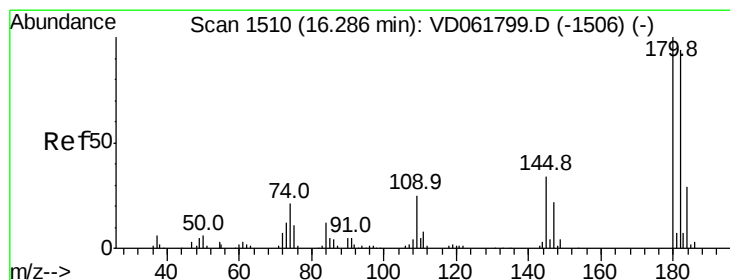
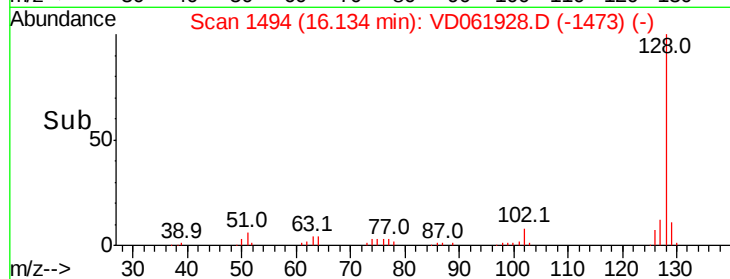
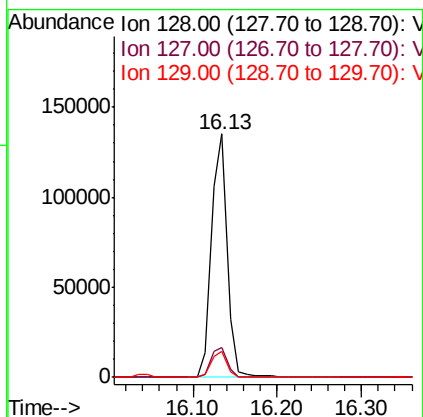
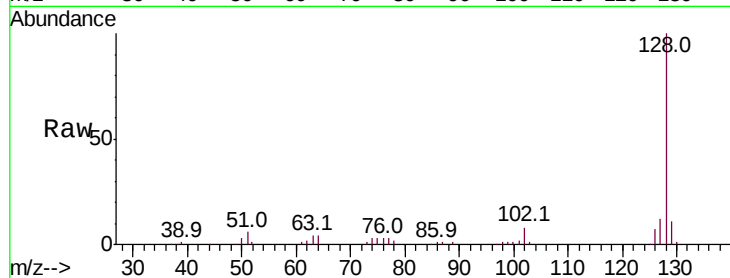




#95
Naphthalene
Concen: 23.255 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Instrument :
MSVOA_D
ClientSampleId :
VD9419SBS02

Tot Ion:128 Resp: 175506
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.480 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD061928.D
Acq: 20 Apr 2019 3:02

Tgt Ion:180 Resp: 65884
Ion Ratio Lower Upper
180 100
182 96.5 47.0 141.0
145 28.5 17.0 51.0

