

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062928.D
 Acq On : 27 Jun 2019 13:42
 Operator : VA/AP
 Sample : VD0627SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

Quant Time: Jun 28 02:20:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	840377	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	1181977	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1000099	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	542543	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	441580	48.34	ug/l	-0.04
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	6.89	113	468609	47.02	ug/l	-0.04
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	10.39	98	1049448	48.38	ug/l	-0.03
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	13.54	95	453937	46.02	ug/l	-0.02
Spiked Amount			Recovery	=	92.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	246951	22.709	ug/l	98
3) Chloromethane	1.73	50	162092	19.819	ug/l	100
4) Vinyl Chloride	1.83	62	156728	19.328	ug/l	99
5) Bromomethane	2.13	94	68651	18.078	ug/l #	97
6) Chloroethane	2.24	64	68472	18.651	ug/l #	83
7) Trichlorofluoromethane	2.50	101	344048	20.965	ug/l	97
8) Diethyl Ether	2.86	74	50550	24.243	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.11	101	166019	18.673	ug/l	91
10) Methyl Iodide	3.27	142	212536	18.120	ug/l	90
11) Tert butyl alcohol	4.07	59	51471	123.716	ug/l #	87
12) 1,1-Dichloroethene	3.09	96	129911	19.478	ug/l	87
13) Acrolein	3.00	56	35999	84.758	ug/l	94
14) Allyl chloride	3.59	41	209704	21.279	ug/l	93
15) Acrylonitrile	4.17	53	120106	122.860	ug/l	92
16) Acetone	3.20	43	197262	102.356	ug/l	95
17) Carbon Disulfide	3.35	76	435513	20.432	ug/l	99
18) Methyl Acetate	3.62	43	90295	32.745	ug/l	92
19) Methyl tert-butyl Ether	4.21	73	353581	24.489	ug/l	95
20) Methylene Chloride	3.78	84	169771	24.369	ug/l	92
21) trans-1,2-Dichloroethene	4.19	96	160181	22.556	ug/l	86
22) Diisopropyl ether	5.08	45	450262	22.466	ug/l	95
23) Vinyl Acetate	5.02	43	1407595	112.241	ug/l	99
24) 1,1-Dichloroethane	4.94	63	283409	21.720	ug/l	98
25) 2-Butanone	6.04	43	208667	122.136	ug/l	98
26) 2,2-Dichloropropane	5.99	77	291539	21.079	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	166749	22.204	ug/l	95
28) Bromochloromethane	6.41	49	113022	24.593	ug/l	92
29) Tetrahydrofuran	6.44	42	96923	119.903	ug/l	95
30) Chloroform	6.64	83	362456	22.840	ug/l	97
31) Cyclohexane	6.92	56	186488	21.740	ug/l	96
32) 1,1,1-Trichloroethane	6.83	97	354048	21.420	ug/l	97
36) 1,1-Dichloropropene	7.12	75	229954	20.552	ug/l	96
37) Ethyl Acetate	6.15	43	118671	24.691	ug/l	98
38) Carbon Tetrachloride	7.08	117	320214	19.029	ug/l	99

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

Quant Time: Jun 28 02:20:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	197294	20.032	ug/l	99
40) Benzene	7.42	78	463951	20.657	ug/l	98
41) Methacrylonitrile	6.42	41	135983	23.045	ug/l #	97
42) 1,2-Dichloroethane	7.55	62	275859	22.515	ug/l	100
43) Isopropyl Acetate	9.22	43	148461	25.309	ug/l #	99
44) Trichloroethene	8.52	130	182125	20.684	ug/l	94
45) 1,2-Dichloropropane	8.91	63	116278	20.820	ug/l	97
46) Dibromomethane	9.04	93	103817	21.640	ug/l	94
47) Bromodichloromethane	9.35	83	264713	21.246	ug/l	97
48) Methyl methacrylate	9.10	41	92856	22.275	ug/l	95
49) 1,4-Dioxane	9.07	88	17469	503.701	ug/l #	92
51) 4-Methyl-2-Pentanone	10.28	43	475836	114.411	ug/l	97
52) Toluene	10.49	92	324873	21.518	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	217800	21.357	ug/l	97
54) cis-1,3-Dichloropropene	10.01	75	217792	19.649	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	117268	22.608	ug/l	91
56) Ethyl methacrylate	11.02	69	123470	22.274	ug/l	94
57) 1,3-Dichloropropane	11.38	76	178468	22.471	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.84	63	330406	116.102	ug/l	98
59) 2-Hexanone	11.51	43	359523	121.379	ug/l	95
60) Dibromochloromethane	11.67	129	212415	21.986	ug/l	98
61) 1,2-Dibromoethane	11.79	107	134356	21.932	ug/l	100
64) Tetrachloroethene	11.23	164	170467	20.710	ug/l	98
65) Chlorobenzene	12.39	112	398434	21.466	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.49	131	191227	22.031	ug/l	93
67) Ethyl Benzene	12.50	91	710809	21.330	ug/l	100
68) m/p-Xylenes	12.65	106	508093	43.777	ug/l	98
69) o-Xylene	13.04	106	240342	22.652	ug/l	97
70) Styrene	13.06	104	399283	21.425	ug/l	96
71) Bromoform	13.22	173	134321	22.586	ug/l	89
73) Isopropylbenzene	13.39	105	714813	20.548	ug/l	100
74) N-amyl acetate	13.25	43	195396	23.130	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	127887	22.563	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	146706	23.423	ug/l	95
77) Bromobenzene	13.66	156	194051	20.739	ug/l	94
78) n-propylbenzene	13.76	91	853134	21.071	ug/l	99
79) 2-Chlorotoluene	13.82	91	510210	22.050	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	646439	22.123	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	40141	24.454	ug/l	91
82) 4-Chlorotoluene	13.93	91	633750	22.750	ug/l	93
83) tert-Butylbenzene	14.18	119	672813	20.658	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	643072	21.472	ug/l	100
85) sec-Butylbenzene	14.35	105	727942	20.564	ug/l	94
86) p-Isopropyltoluene	14.48	119	714792	22.072	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	352301	21.005	ug/l	92
88) 1,4-Dichlorobenzene	14.52	146	365852	21.717	ug/l	96
89) n-Butylbenzene	14.79	91	598356	19.741	ug/l	99
90) Hexachloroethane	14.99	117	185612	21.317	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	309096	21.540	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22792	20.603	ug/l	65

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Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

Quant Time: Jun 28 02:20:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

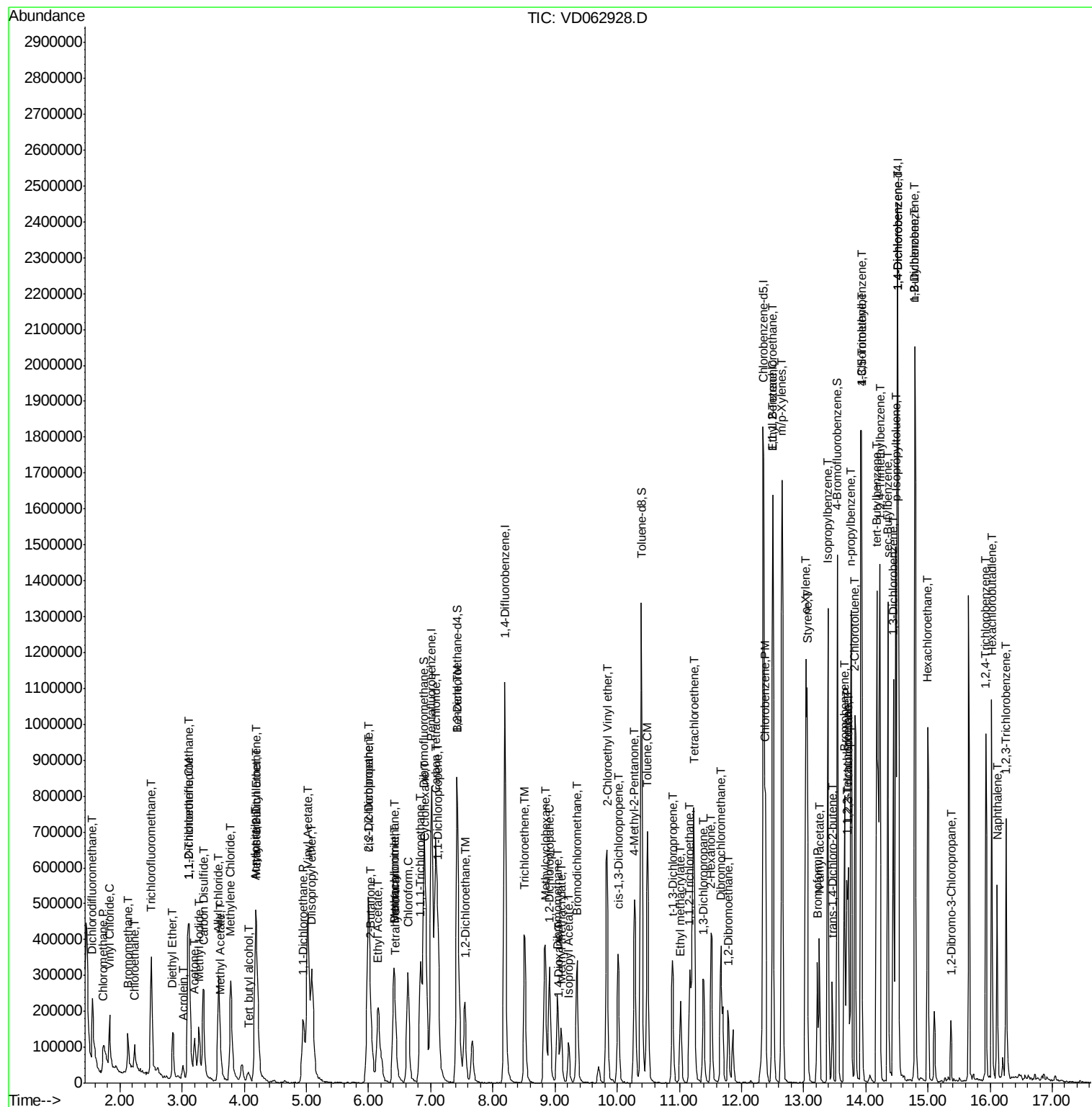
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	236843	21.128	ug/l	90
94) Hexachlorobutadiene	16.03	225	174072	20.326	ug/l	98
95) Naphthalene	16.12	128	340913	21.698	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	198057	22.995	ug/l	99

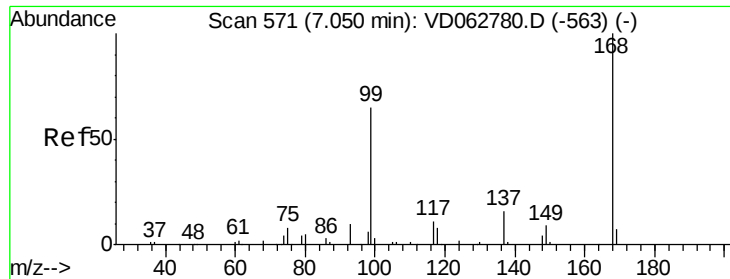
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

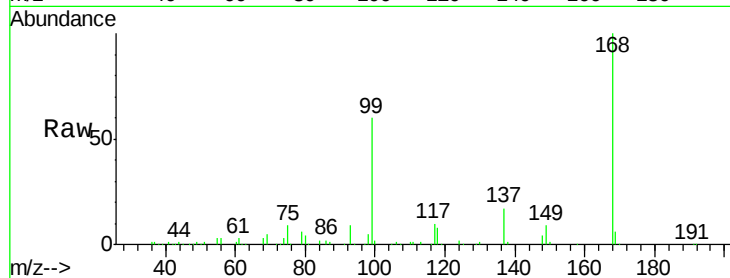
VD0627SBS02

Tot Ion:168 Resp: 840377

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

300000

250000

200000

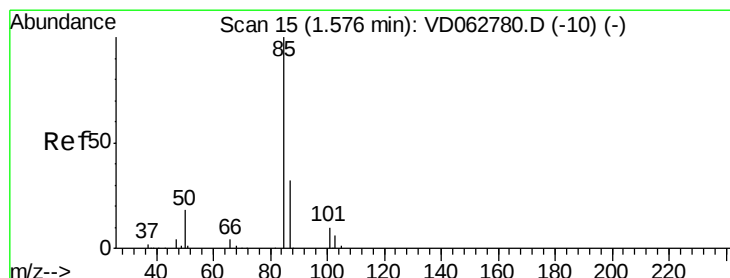
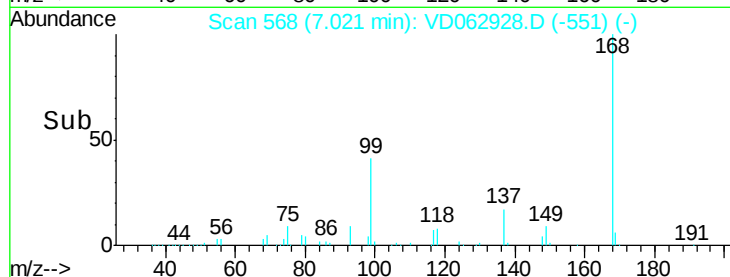
150000

100000

50000

0

Time--> 6.80 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 22.709 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062928.D

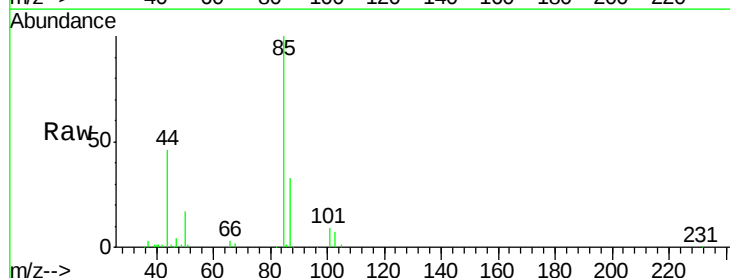
Acq: 27 Jun 2019 13:42

Tgt Ion: 85 Resp: 246951

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

120000

100000

80000

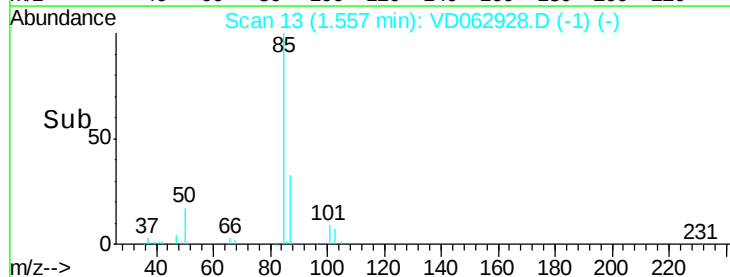
60000

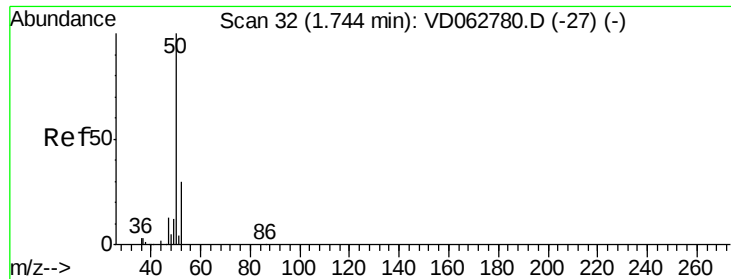
40000

20000

0

Time--> 1.50 1.60 1.70





#3

Chloromethane

Concen: 19.819 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

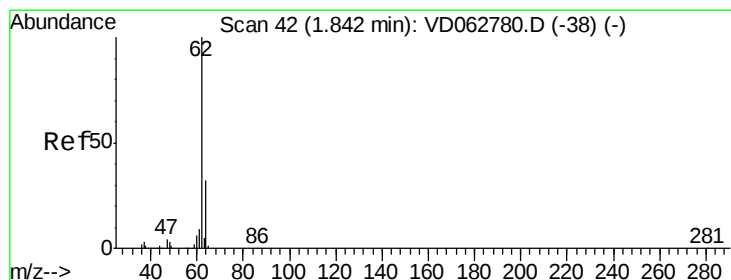
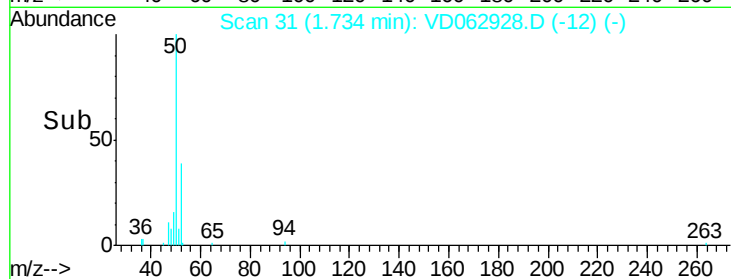
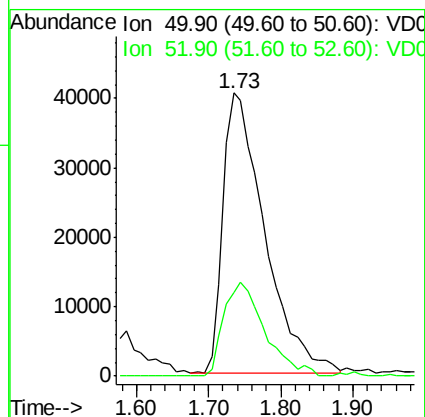
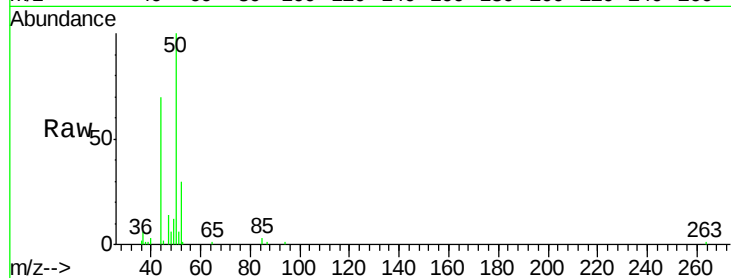
VD0627SBS02

Tot Ion: 50 Resp: 162092

Ion Ratio Lower Upper

50 100

52 29.7 23.6 35.4



#4

Vinyl Chloride

Concen: 19.328 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062928.D

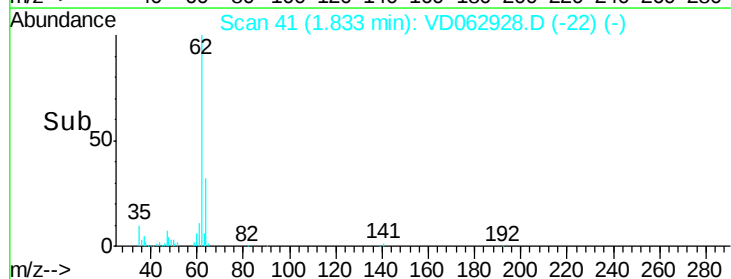
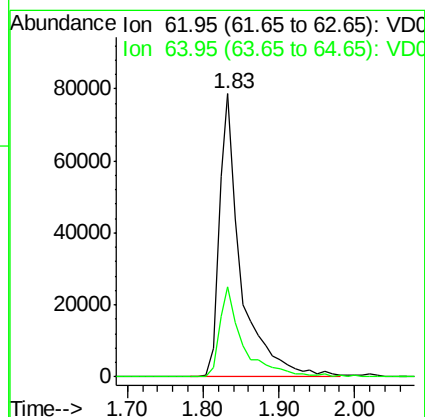
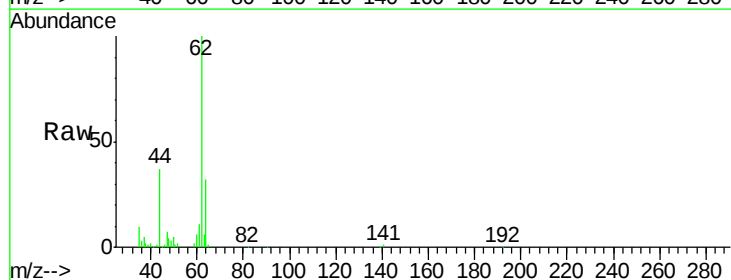
Acq: 27 Jun 2019 13:42

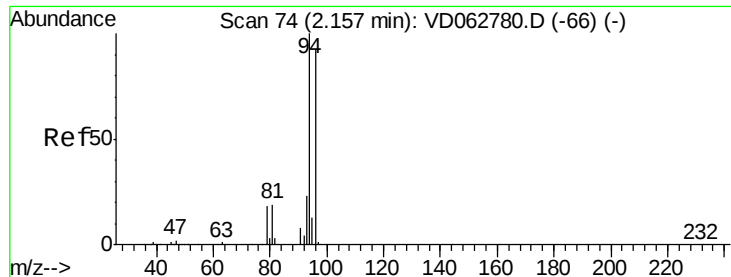
Tgt Ion: 62 Resp: 156728

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 18.078 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

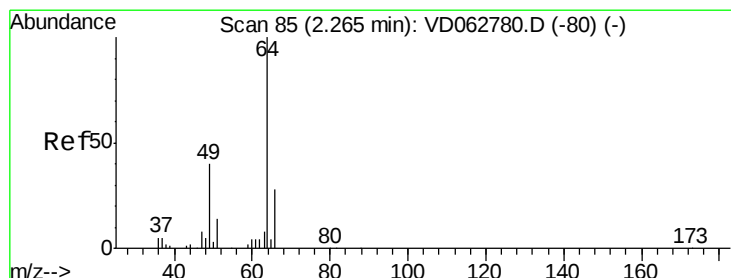
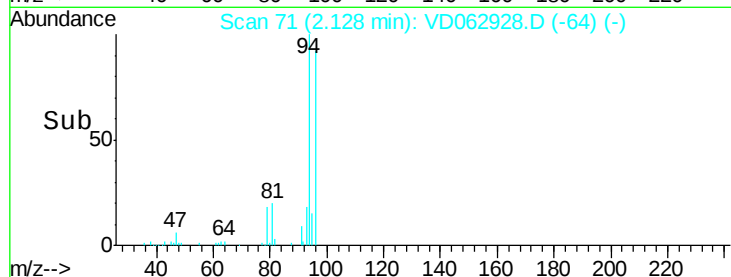
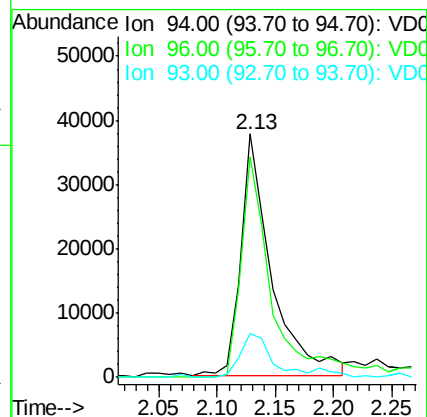
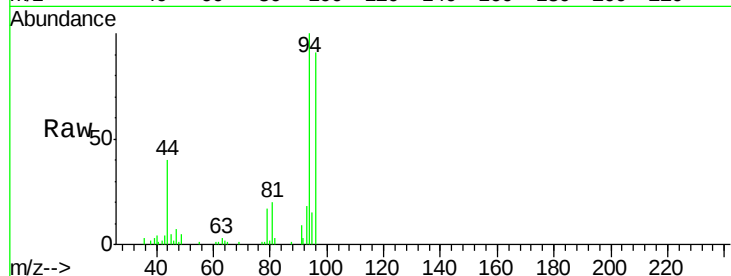
Tot Ion: 94 Resp: 68651

Ion Ratio Lower Upper

94 100

96 90.7 73.4 110.2

93 18.0 18.2 27.4#



#6

Chloroethane

Concen: 18.651 ug/l

RT: 2.24 min Scan# 82

Delta R.T. -0.03 min

Lab File: VD062928.D

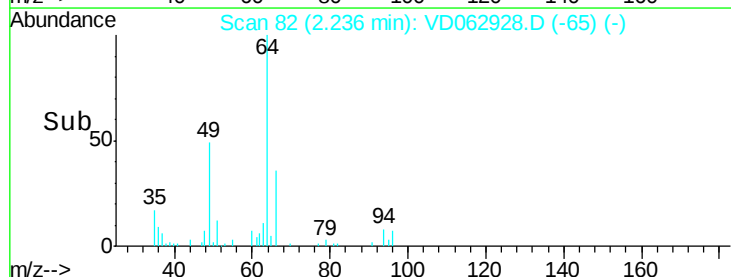
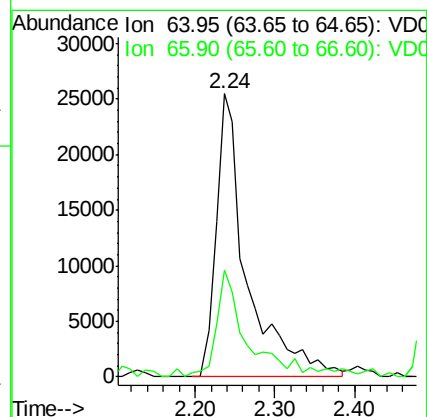
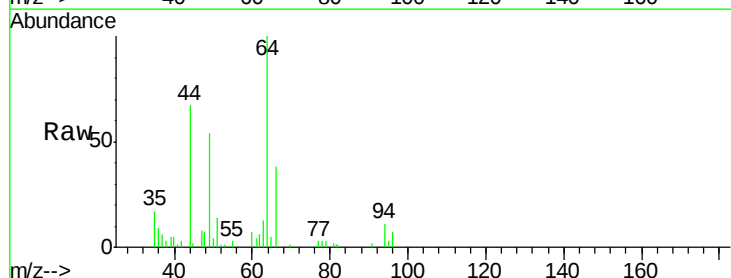
Acq: 27 Jun 2019 13:42

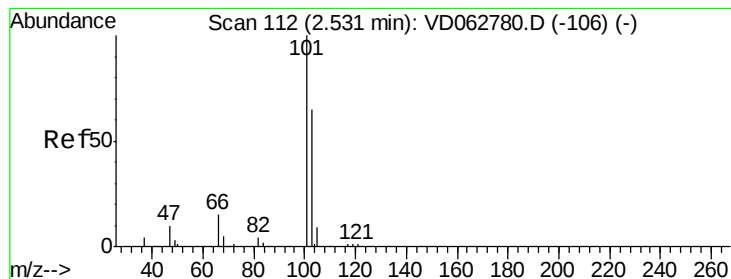
Tgt Ion: 64 Resp: 68472

Ion Ratio Lower Upper

64 100

66 37.6 23.0 34.4#



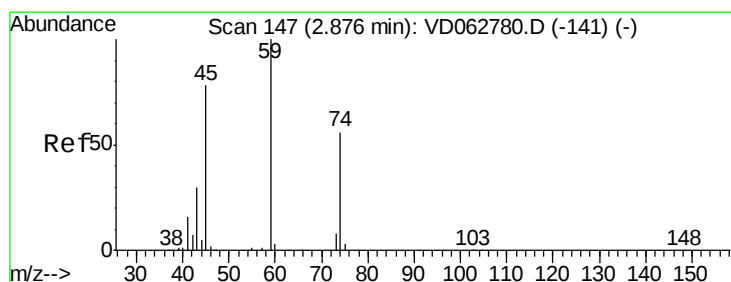
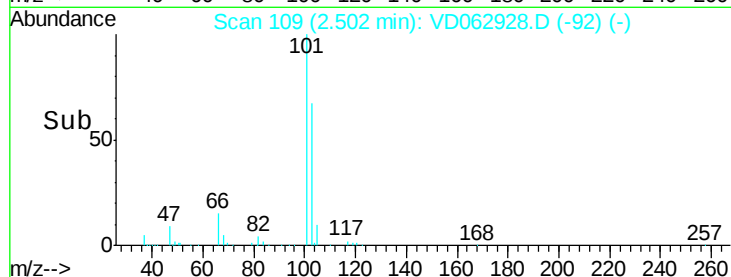
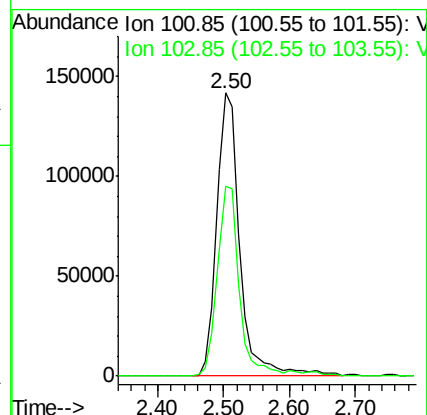
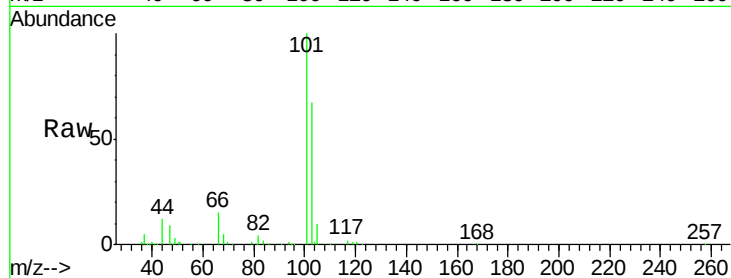


#7

Trichlorofluoromethane
 Concen: 20.965 ug/l
 RT: 2.50 min Scan# 109
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

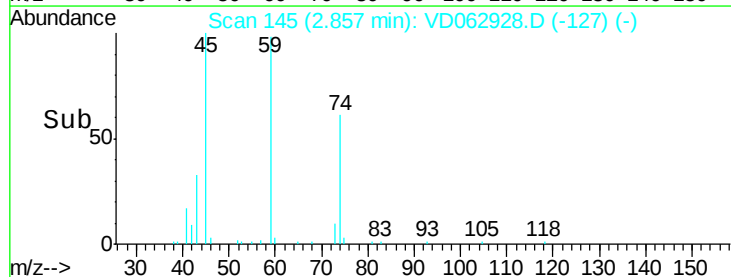
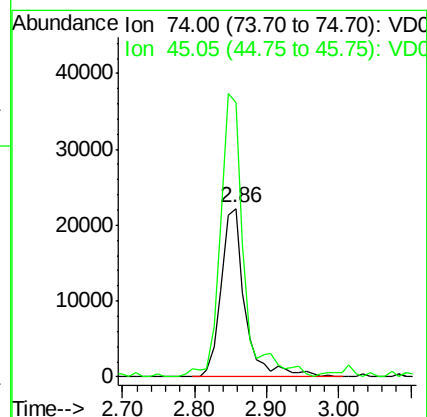
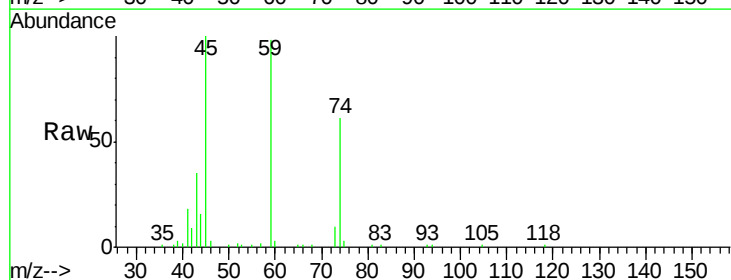
Tot Ion:101 Resp: 344048
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.8 77.8

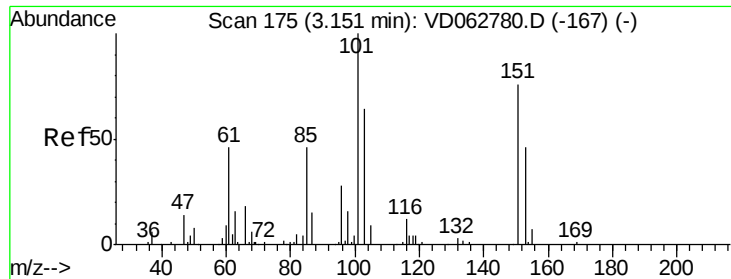


#8

Diethyl Ether
 Concen: 24.243 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion: 74 Resp: 50550
 Ion Ratio Lower Upper
 74 100
 45 162.9 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.673 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

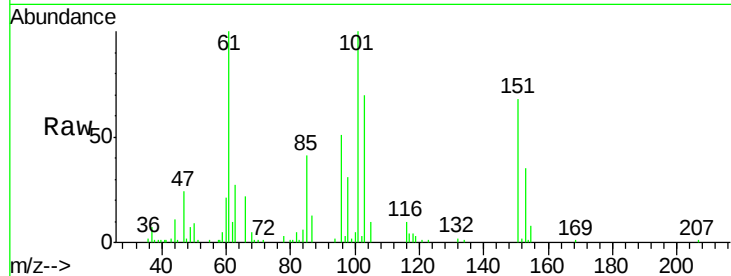
Tot Ion:101 Resp: 166019

Ion Ratio Lower Upper

101 100

85 40.6 37.0 55.4

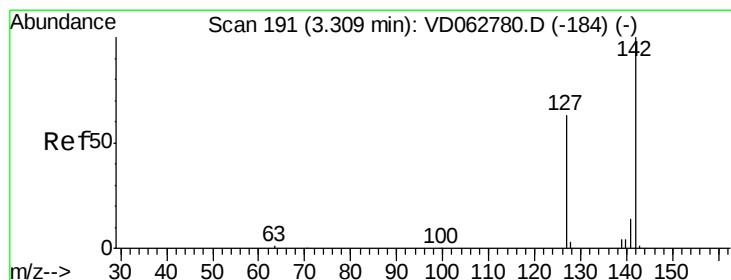
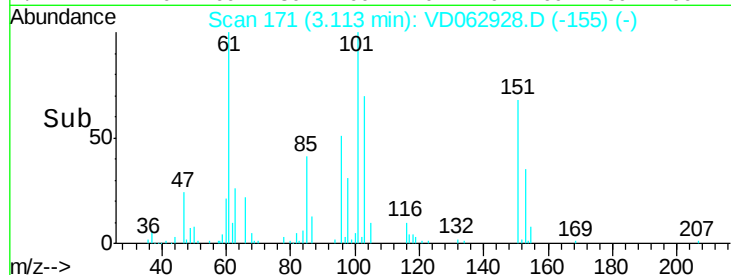
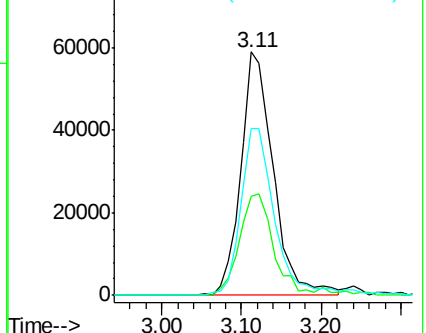
151 68.3 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.120 ug/l

RT: 3.27 min Scan# 187

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

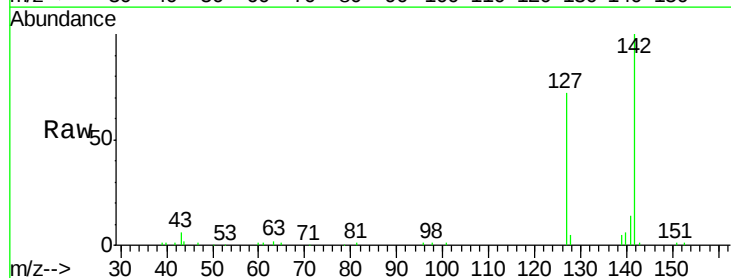
Tgt Ion:142 Resp: 212536

Ion Ratio Lower Upper

142 100

127 71.5 50.1 75.1

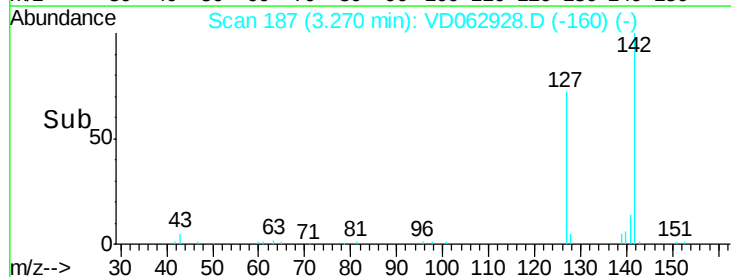
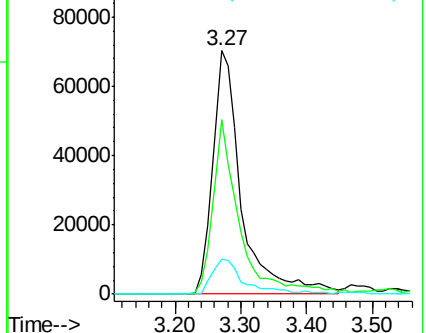
141 14.1 11.0 16.4



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



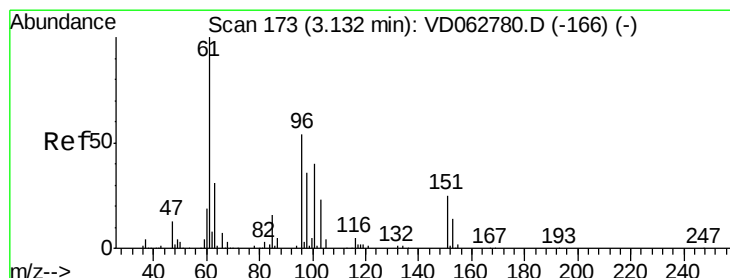
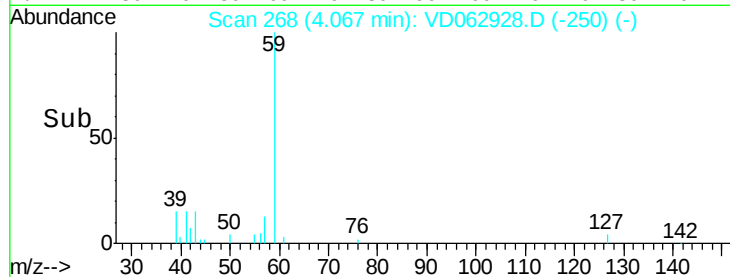
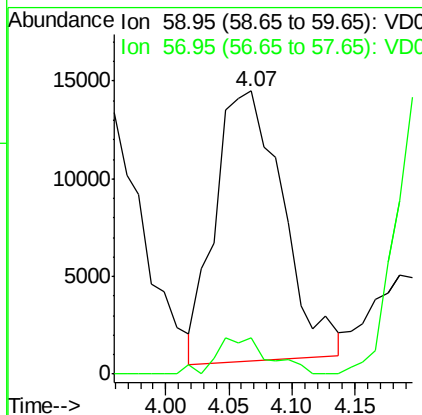
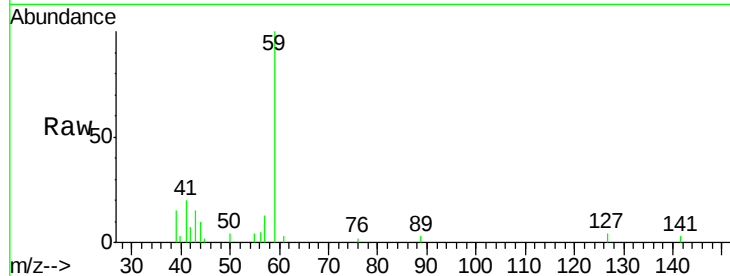


#11

Tert butyl alcohol
Concen: 123.716 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

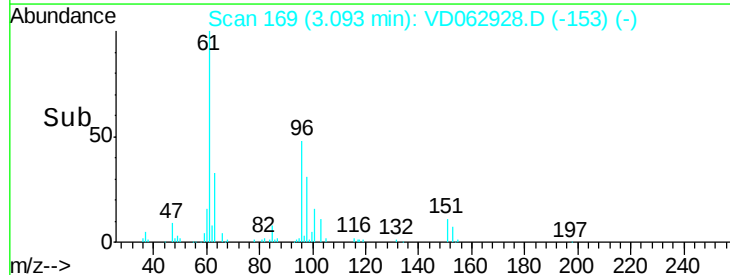
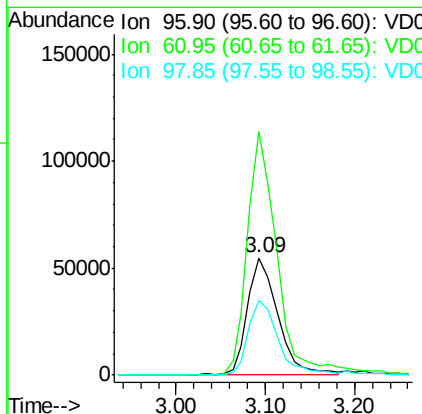
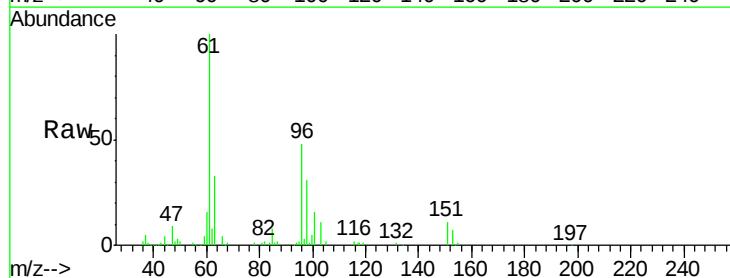
Tot Ion: 59 Resp: 51471
Ion Ratio Lower Upper
59 100
57 13.0 6.6 10.0#



#12

1,1-Dichloroethene
Concen: 19.478 ug/l
RT: 3.09 min Scan# 169
Delta R.T. -0.04 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 96 Resp: 129911
Ion Ratio Lower Upper
96 100
61 207.8 147.1 220.7
98 64.2 52.6 79.0





#13

Acrolein

Concen: 84.758 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

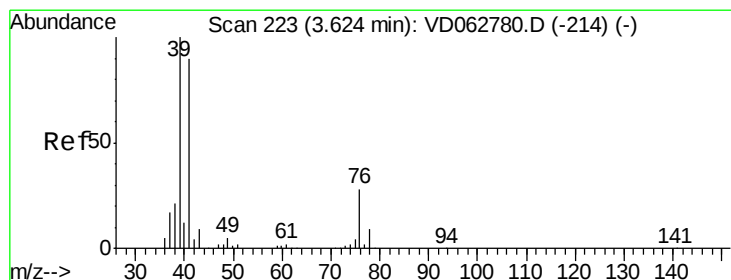
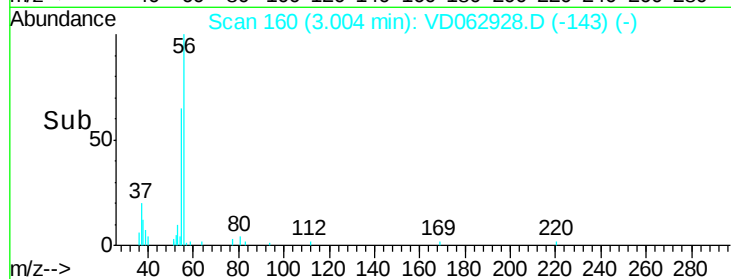
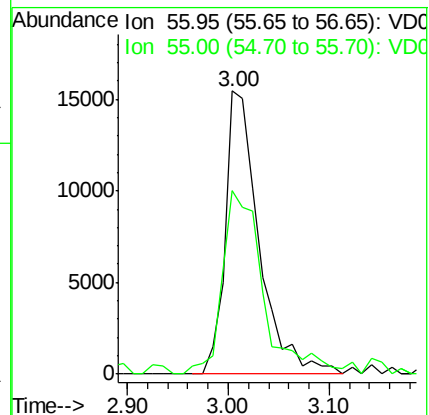
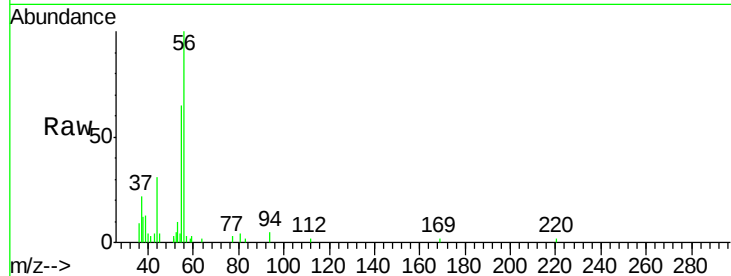
VD0627SBS02

Tot Ion: 56 Resp: 35999

Ion Ratio Lower Upper

56 100

55 64.6 55.4 83.0



#14

Allyl chloride

Concen: 21.279 ug/l

RT: 3.59 min Scan# 219

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

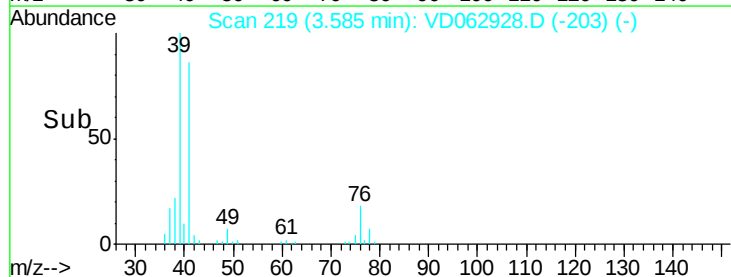
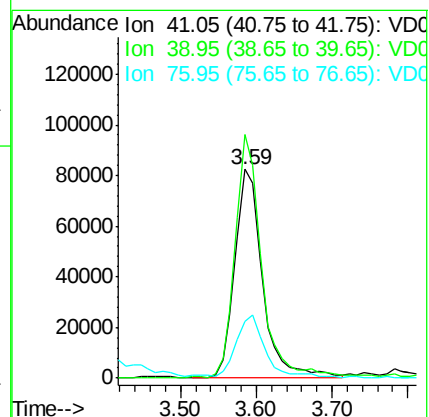
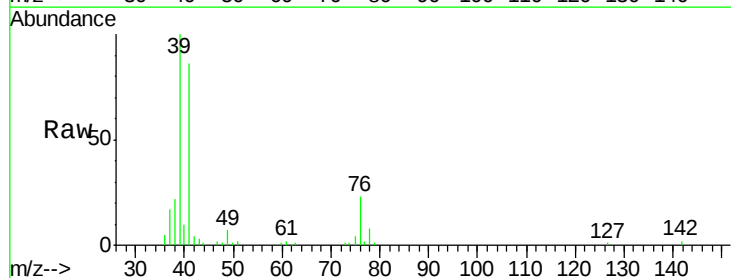
Tgt Ion: 41 Resp: 209704

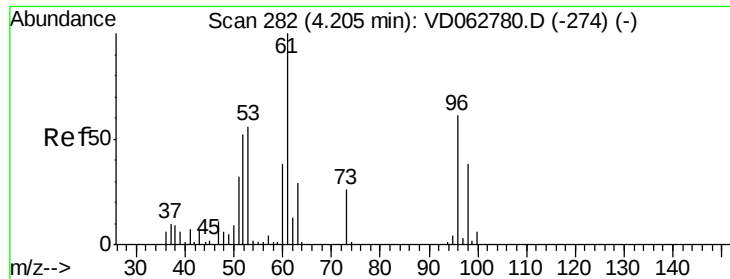
Ion Ratio Lower Upper

41 100

39 116.7 88.8 133.2

76 27.1 26.7 40.1





#15

Acrylonitrile

Concen: 122.860 ug/l

RT: 4.17 min Scan# 278

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

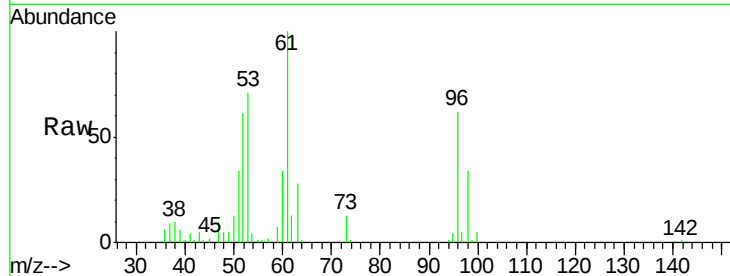
Tot Ion: 53 Resp: 120106

Ion Ratio Lower Upper

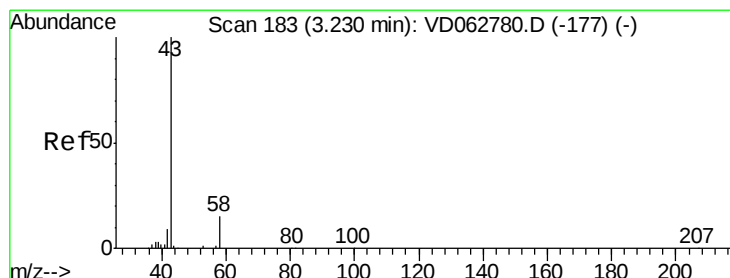
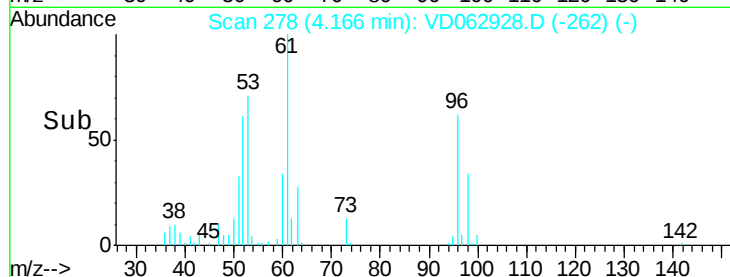
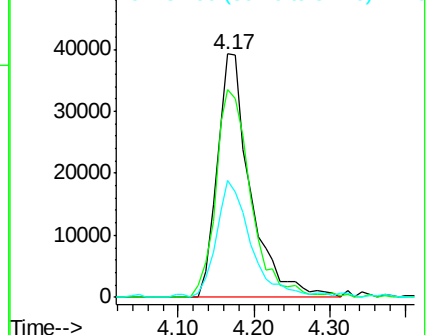
53 100

52 85.4 73.3 109.9

51 48.0 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.356 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062928.D

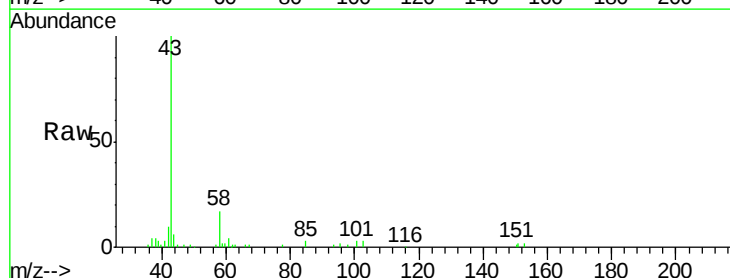
Acq: 27 Jun 2019 13:42

Tgt Ion: 43 Resp: 197262

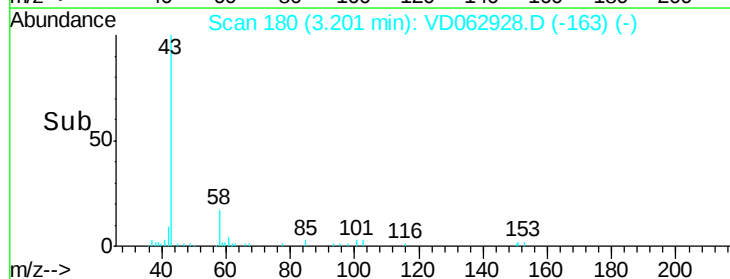
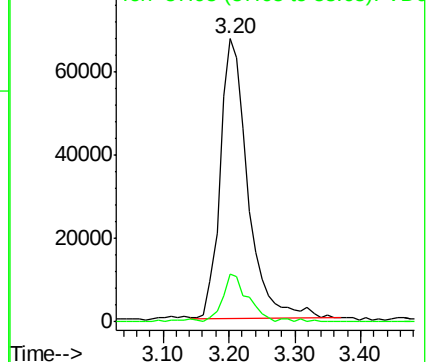
Ion Ratio Lower Upper

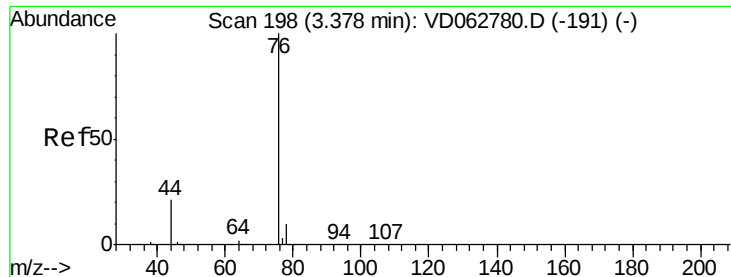
43 100

58 17.0 11.9 17.9



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

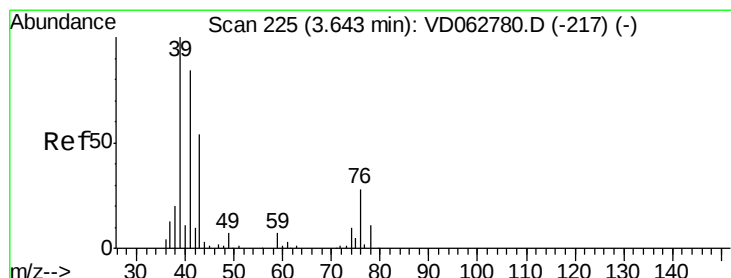
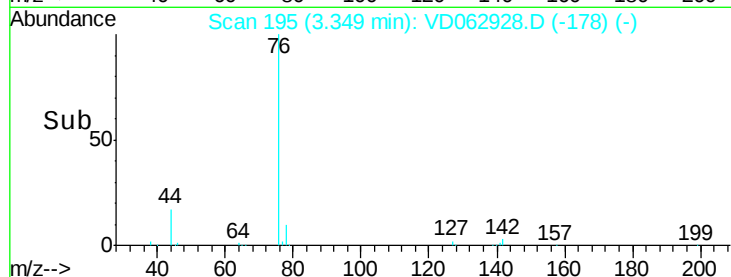
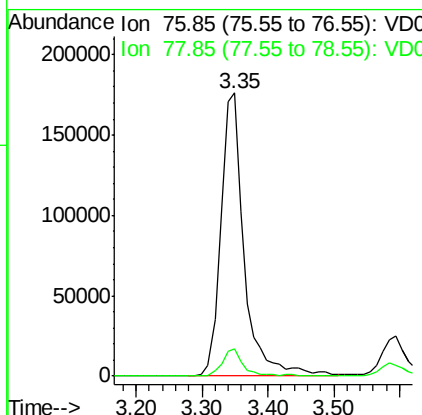
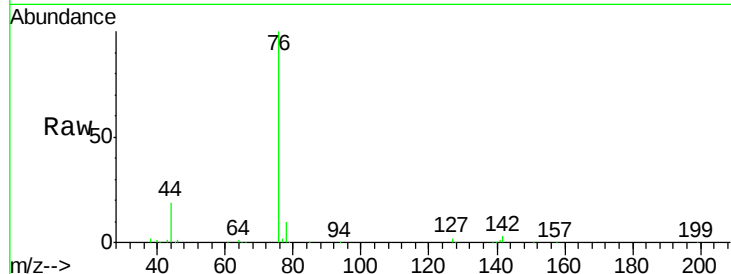




#17
Carbon Disulfide
Concen: 20.432 ug/l
RT: 3.35 min Scan# 195
Delta R.T. -0.03 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

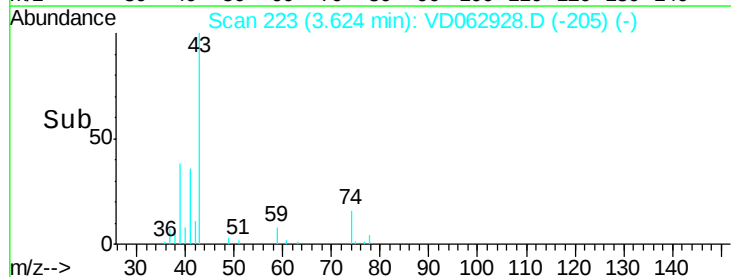
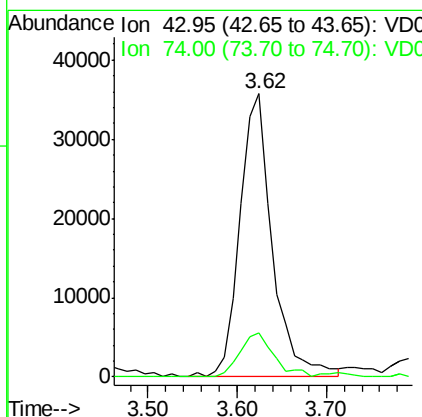
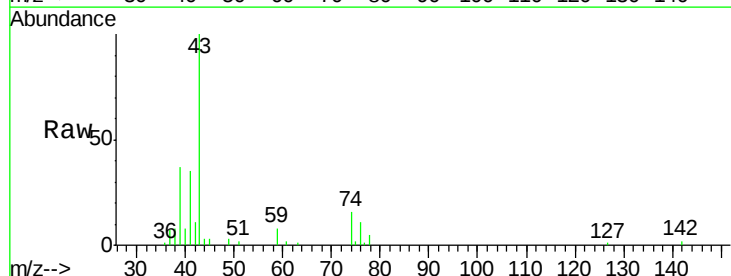
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

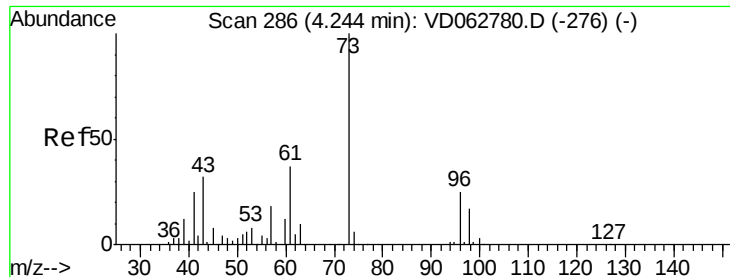
Tot Ion: 76 Resp: 435513
Ion Ratio Lower Upper
76 100
78 9.8 8.0 12.0



#18
Methyl Acetate
Concen: 32.745 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 43 Resp: 90295
Ion Ratio Lower Upper
43 100
74 15.6 15.2 22.8

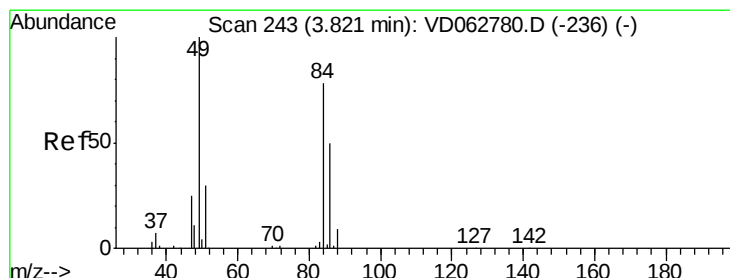
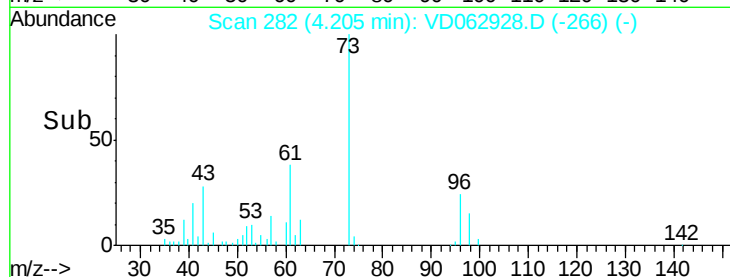
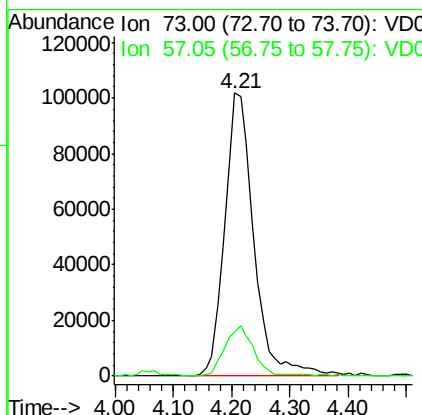
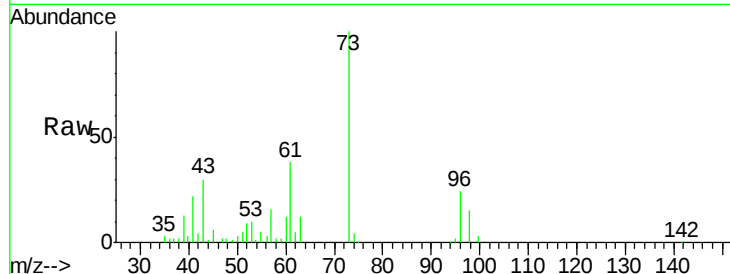




#19
Methvl tert-butvl Ether
Concen: 24.489 ug/l
RT: 4.21 min Scan# 282
Delta R.T. -0.04 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

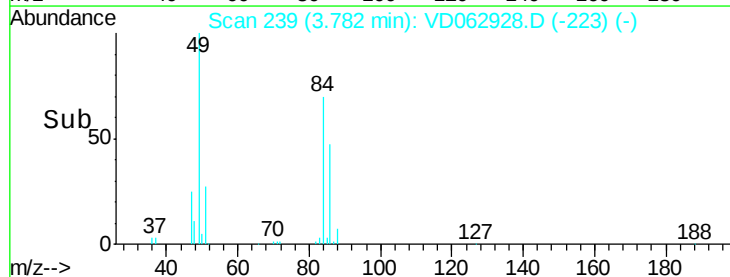
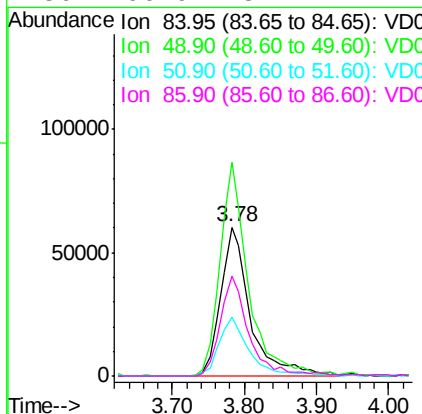
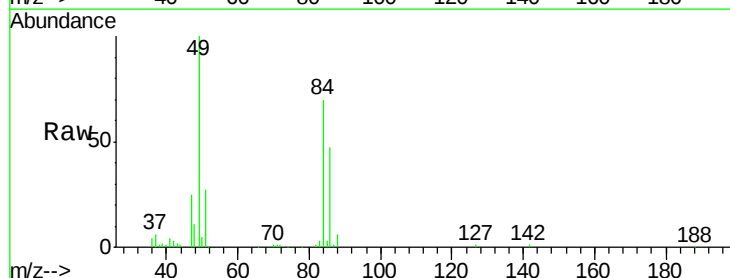
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

Tot Ion: 73 Resp: 353581
Ion Ratio Lower Upper
73 100
57 15.8 14.3 21.5



#20
Methylene Chloride
Concen: 24.369 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 84 Resp: 169771
Ion Ratio Lower Upper
84 100
49 143.7 102.9 154.3
51 39.5 31.2 46.8
86 66.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.556 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

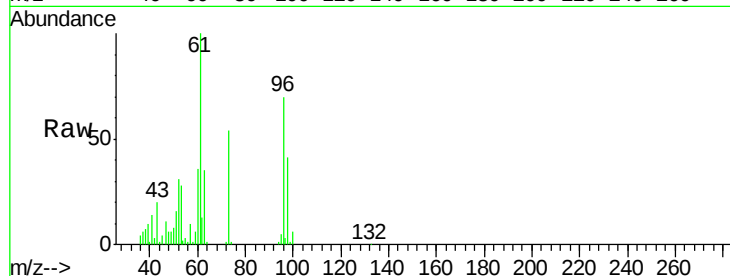
Tot Ion: 96 Resp: 160181

Ion Ratio Lower Upper

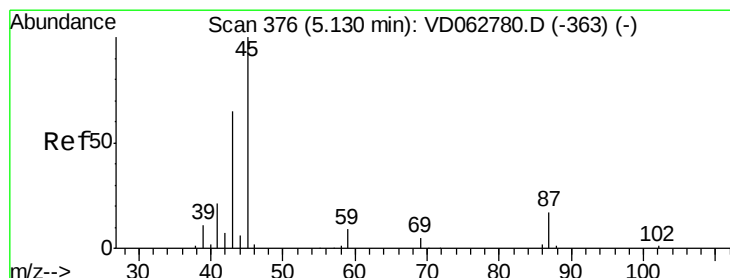
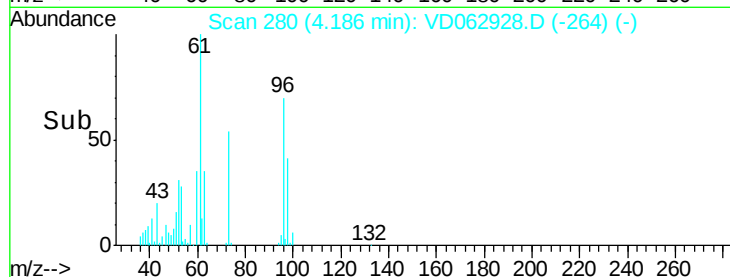
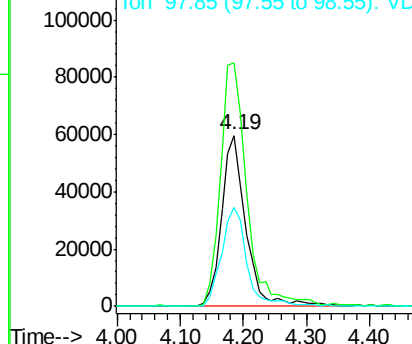
96 100

61 142.4 131.0 196.4

98 58.2 53.2 79.8



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: 22.466 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.05 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Tgt Ion: 45 Resp: 450262

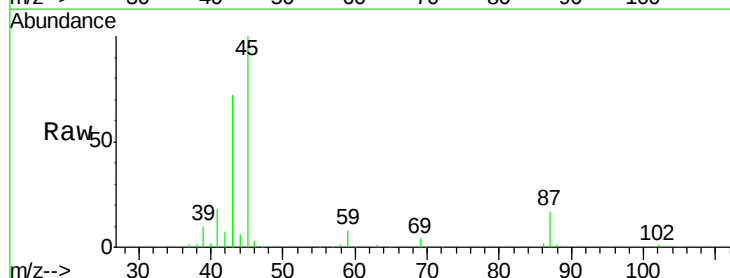
Ion Ratio Lower Upper

45 100

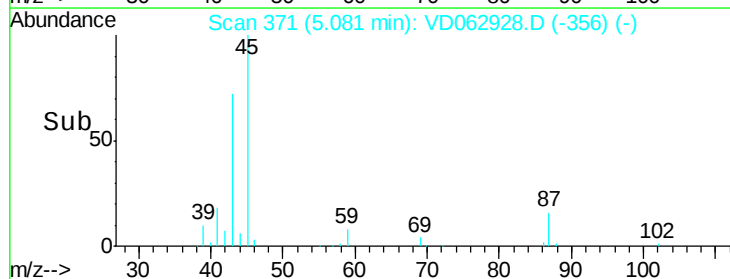
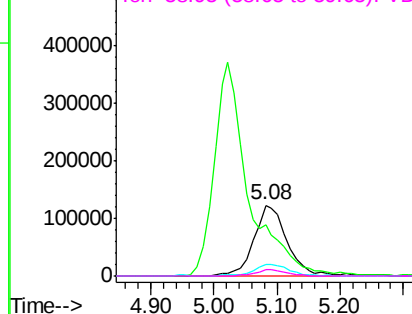
43 71.9 53.4 80.0

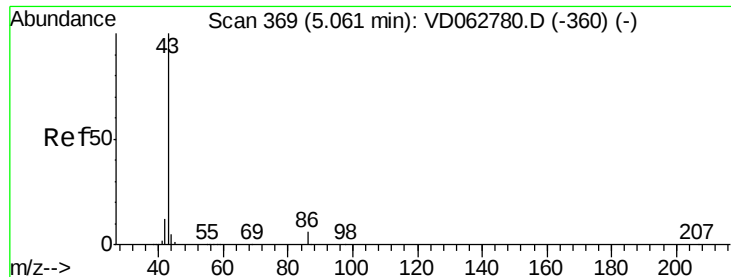
87 17.2 14.6 22.0

59 8.2 7.8 11.8



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: 112.241 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

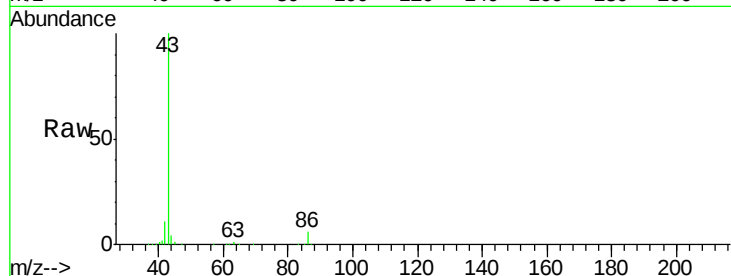
VD0627SBS02

Tot Ion: 43 Resp: 1407595

Ion Ratio Lower Upper

43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

400000

300000

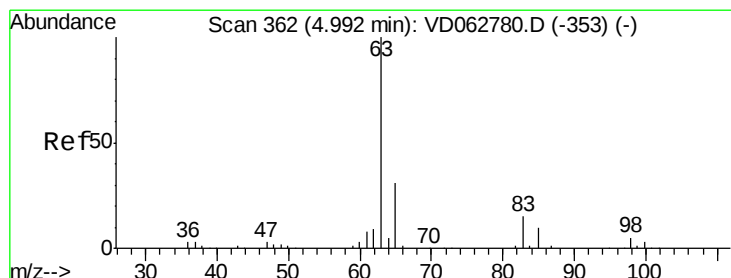
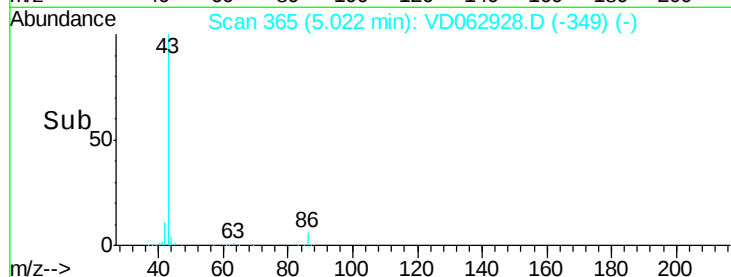
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 21.720 ug/l

RT: 4.94 min Scan# 357

Delta R.T. -0.05 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

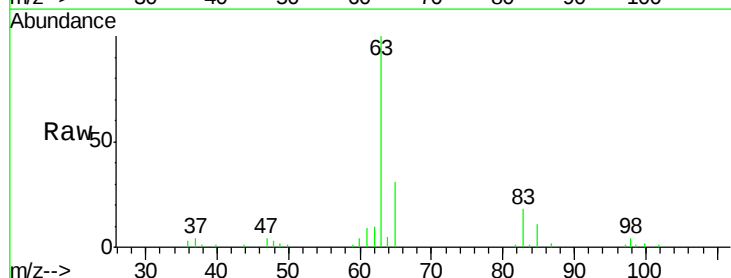
Tgt Ion: 63 Resp: 283409

Ion Ratio Lower Upper

63 100

98 5.2 2.3 6.9

100 2.4 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

100000

80000

60000

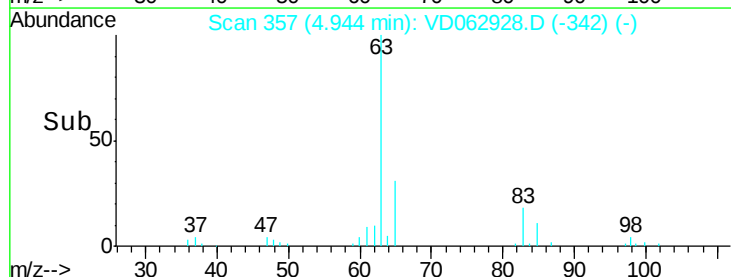
40000

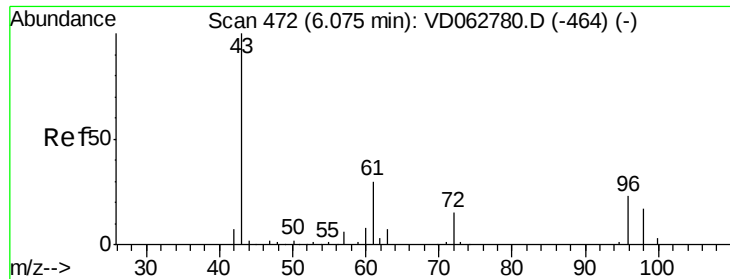
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 122.136 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

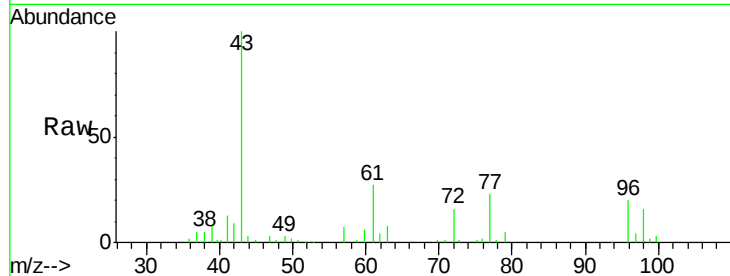
VD0627SBS02

Tot Ion: 43 Resp: 208667

Ion Ratio Lower Upper

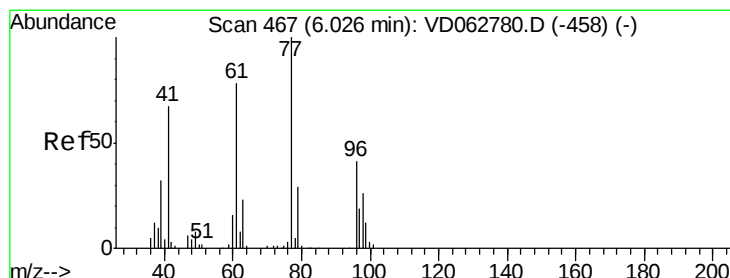
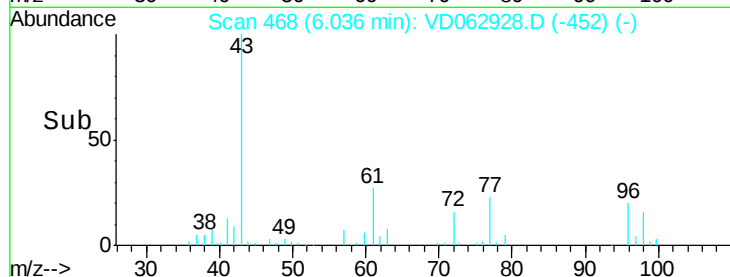
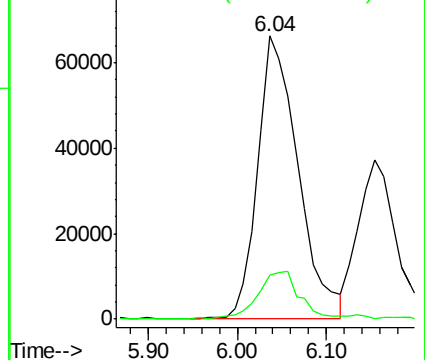
43 100

72 15.7 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.079 ug/l

RT: 5.99 min Scan# 463

Delta R.T. -0.04 min

Lab File: VD062928.D

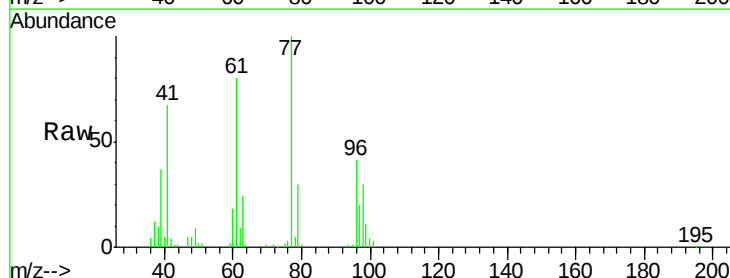
Acq: 27 Jun 2019 13:42

Tgt Ion: 77 Resp: 291539

Ion Ratio Lower Upper

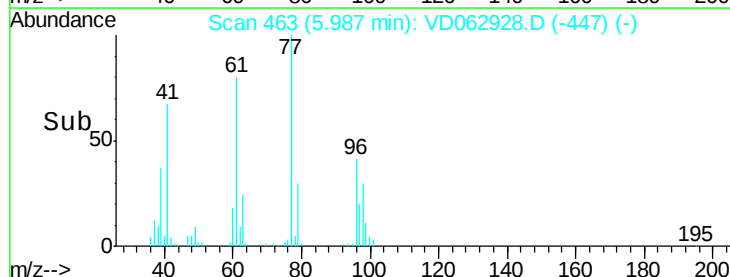
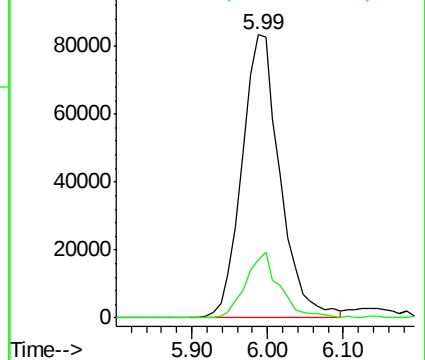
77 100

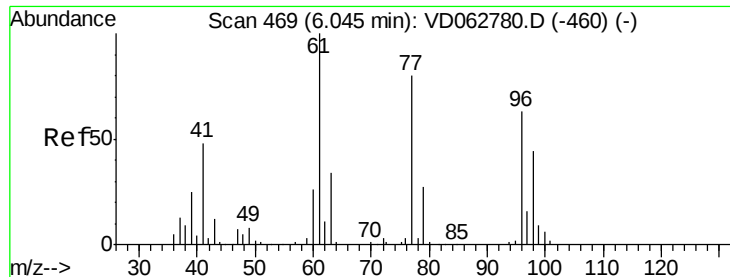
97 20.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



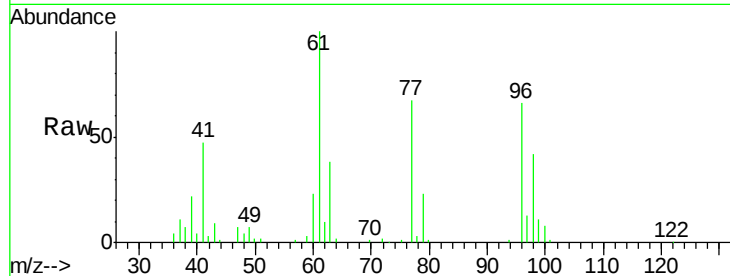


#27

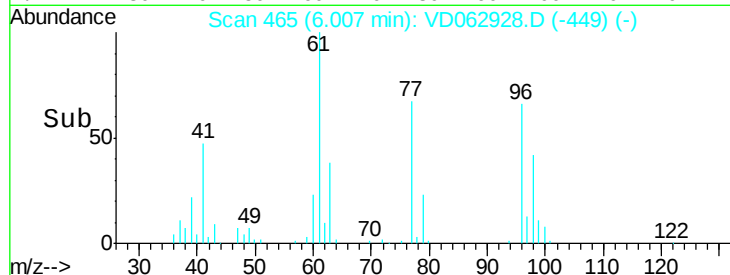
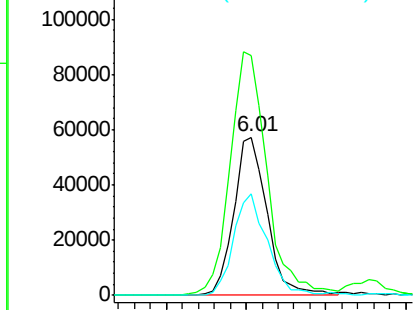
cis-1,2-Dichloroethene
Concen: 22.204 ug/l
RT: 6.01 min Scan# 465
Delta R.T. -0.04 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

Tot Ion: 96 Resp: 166749
Ion Ratio Lower Upper
96 100
61 151.5 0.0 316.0
98 64.1 0.0 138.4



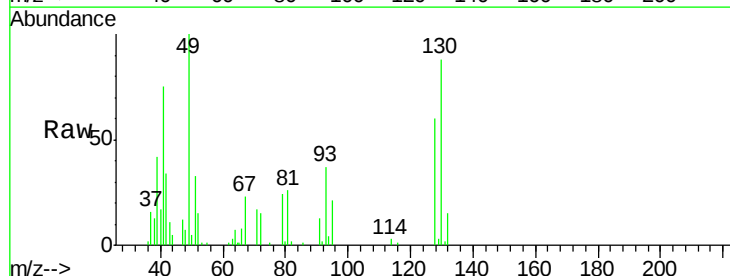
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



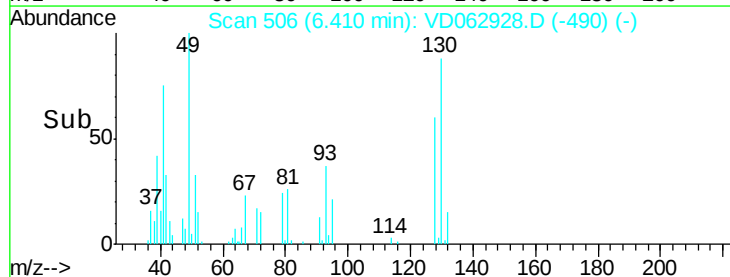
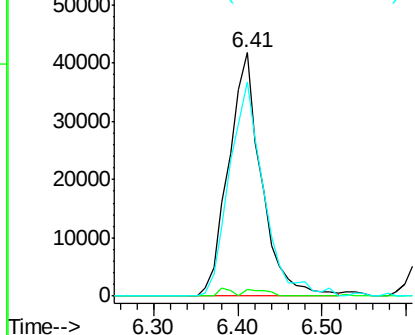
#28

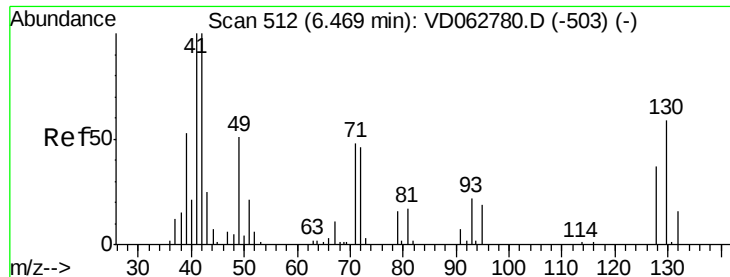
Bromochloromethane
Concen: 24.593 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 49 Resp: 113022
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 87.8 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 119.903 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

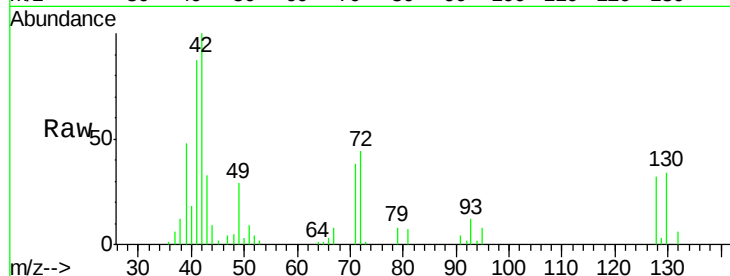
Tot Ion: 42 Resp: 96923

Ion Ratio Lower Upper

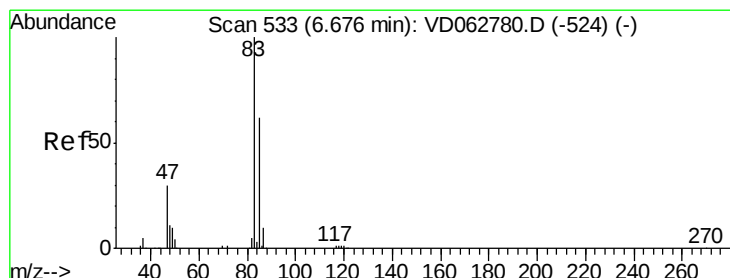
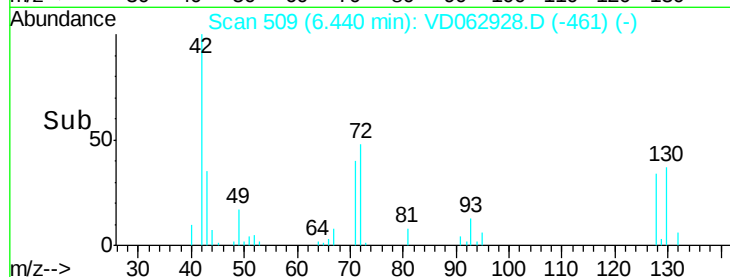
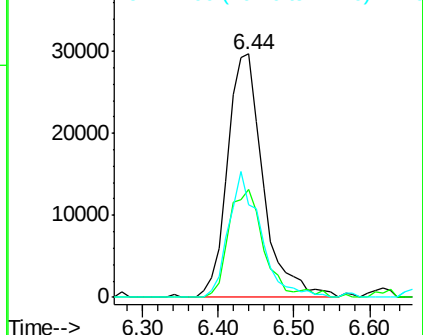
42 100

72 42.0 35.0 52.6

71 46.2 33.3 49.9



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: 22.840 ug/l

RT: 6.64 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062928.D

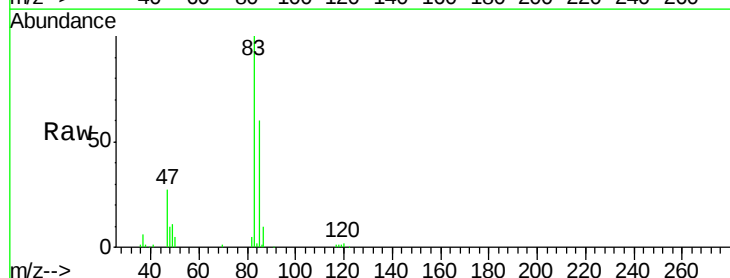
Acq: 27 Jun 2019 13:42

Tgt Ion: 83 Resp: 362456

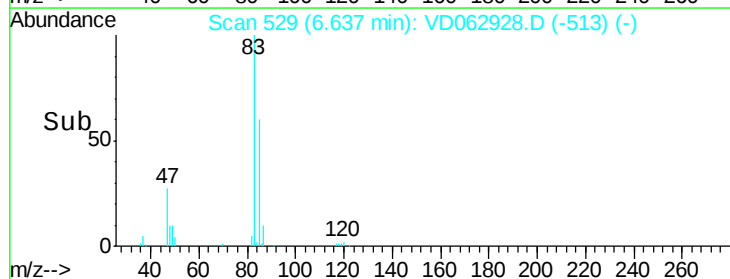
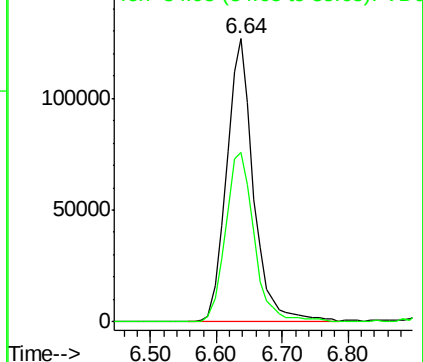
Ion Ratio Lower Upper

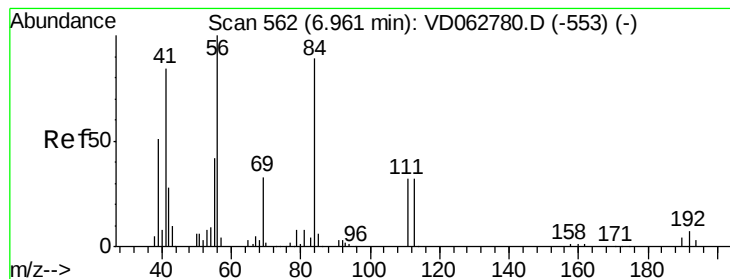
83 100

85 59.8 49.8 74.6



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





#31

Cyclohexane

Concen: 21.740 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

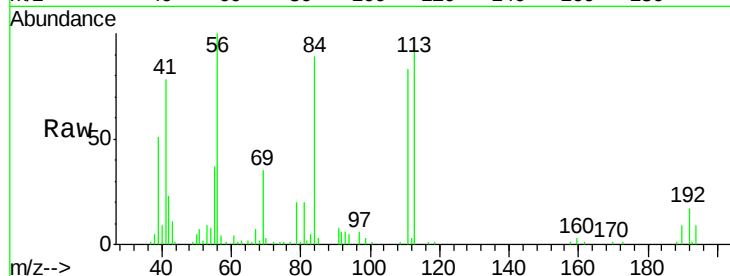
Tot Ion: 56 Resp: 186488

Ion Ratio Lower Upper

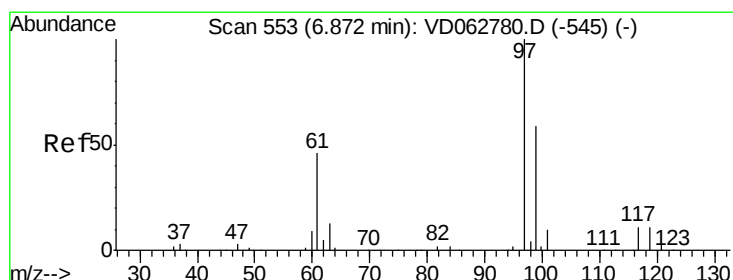
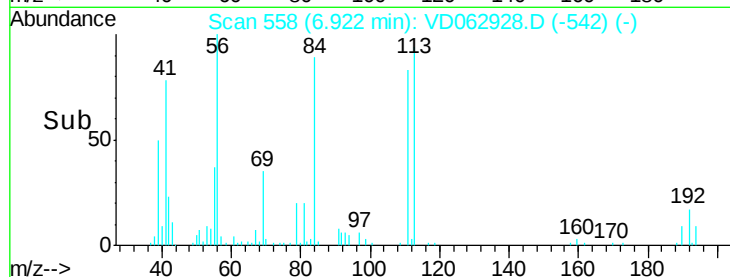
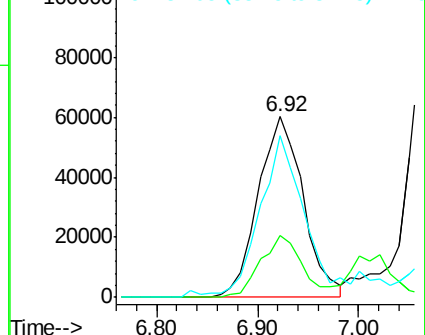
56 100

69 34.6 26.6 39.8

84 89.3 75.5 113.3



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



#32

1,1,1-Trichloroethane

Concen: 21.420 ug/l

RT: 6.83 min Scan# 549

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

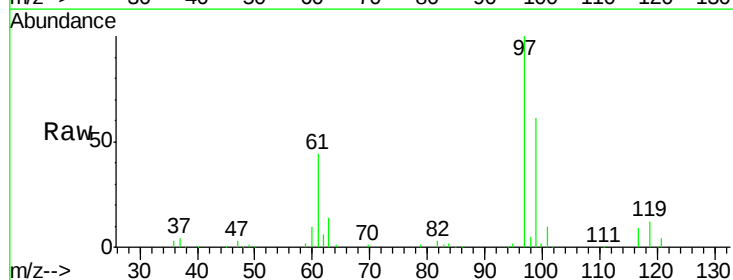
Tgt Ion: 97 Resp: 354048

Ion Ratio Lower Upper

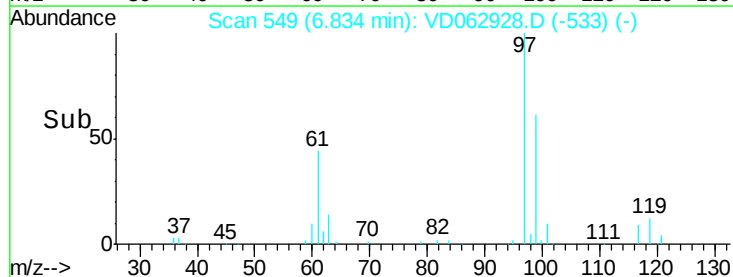
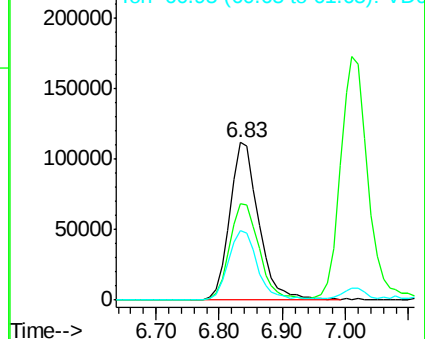
97 100

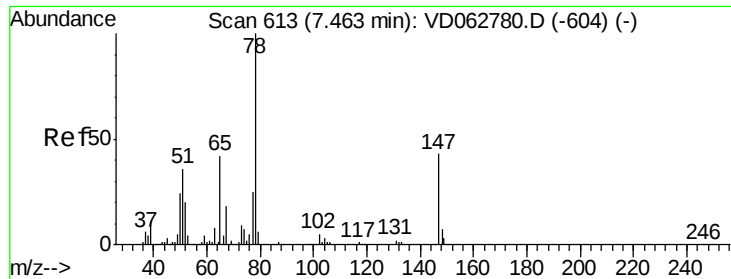
99 61.2 47.4 71.2

61 44.1 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.341 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

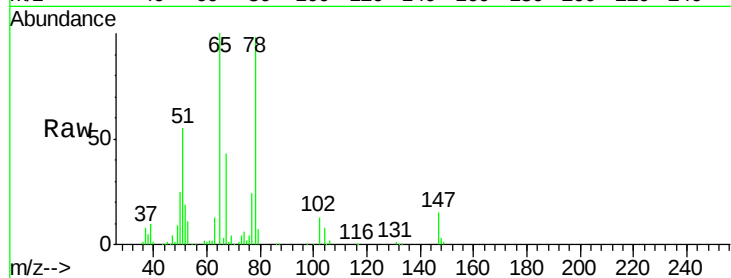
VD0627SBS02

Tot Ion: 65 Resp: 441580

Ion Ratio Lower Upper

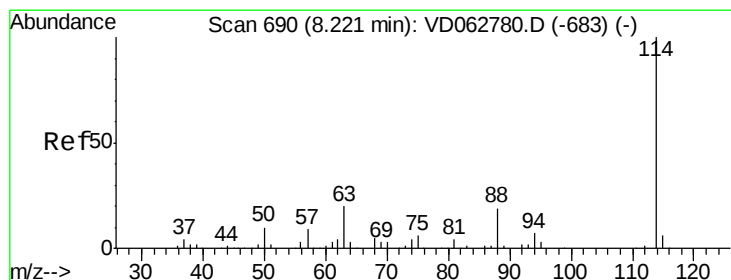
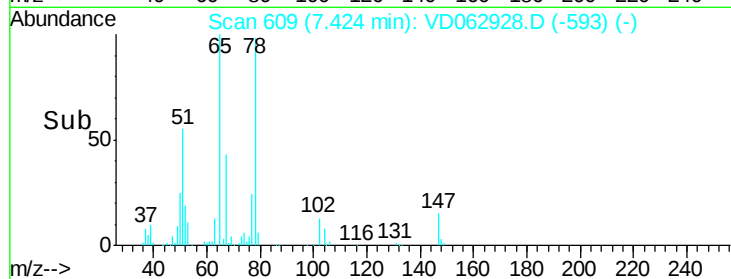
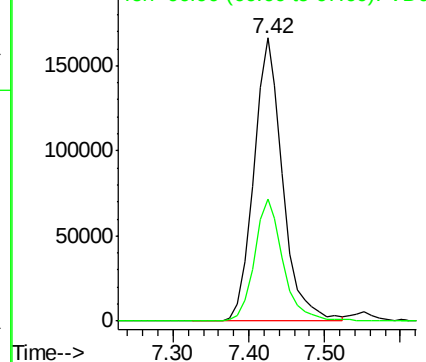
65 100

67 43.3 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

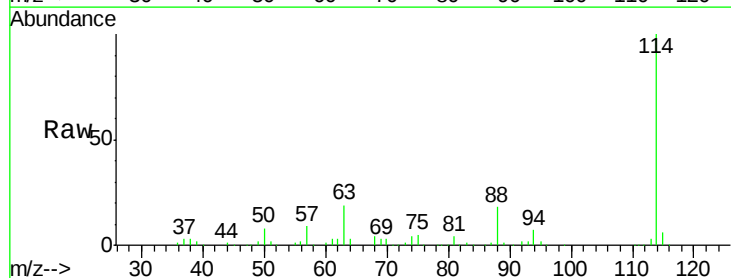
Tgt Ion: 114 Resp: 1181977

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

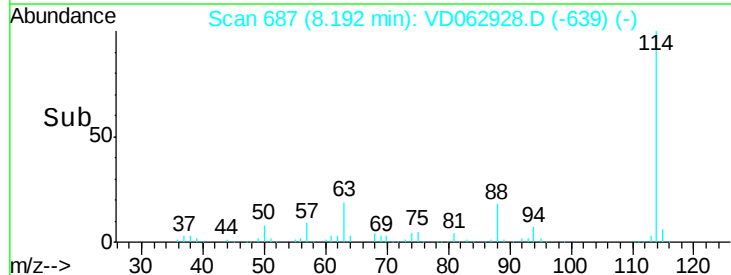
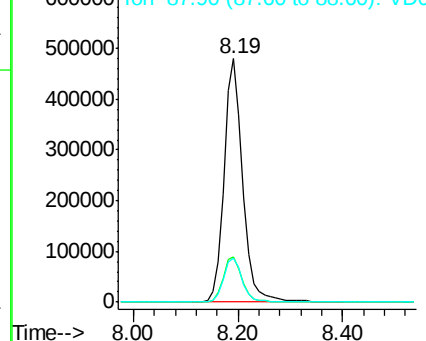
88 18.2 0.0 38.8

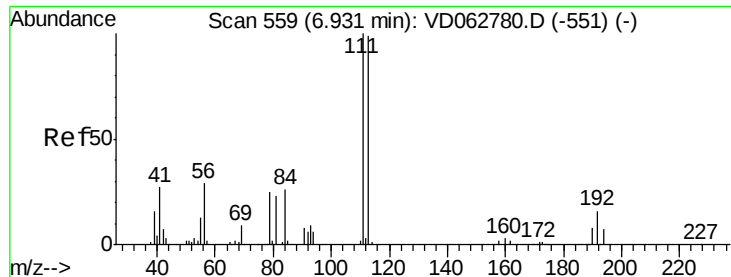


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

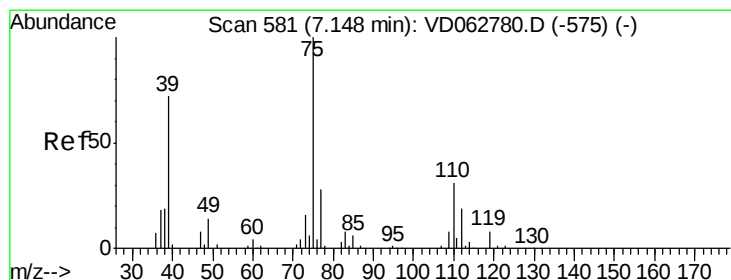
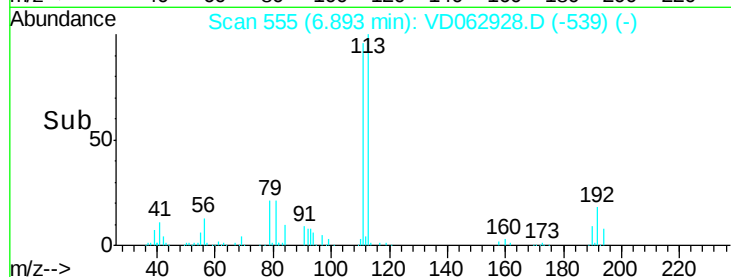
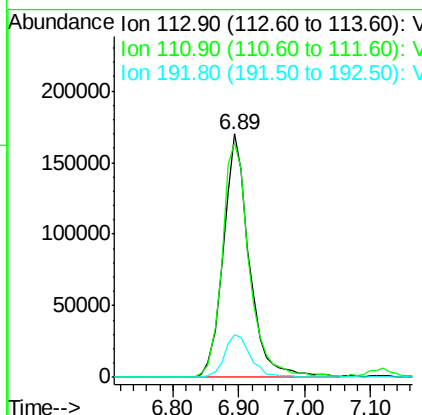
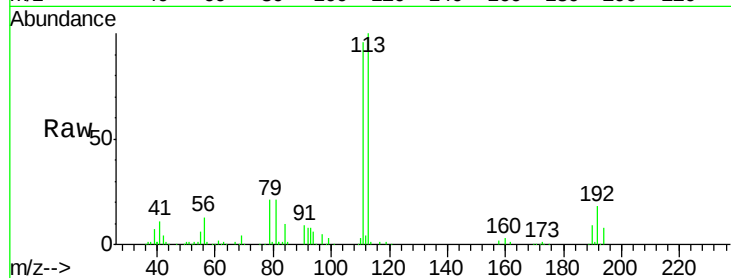




#35
 Dibromofluoromethane
 Concen: 47.019 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

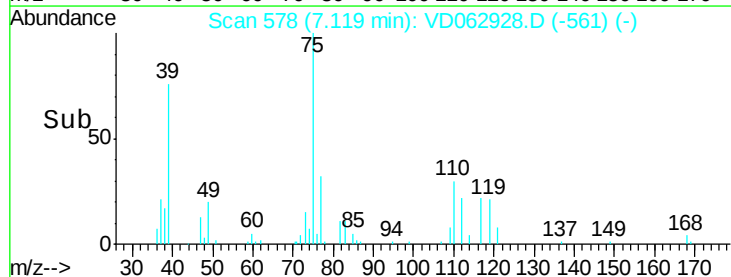
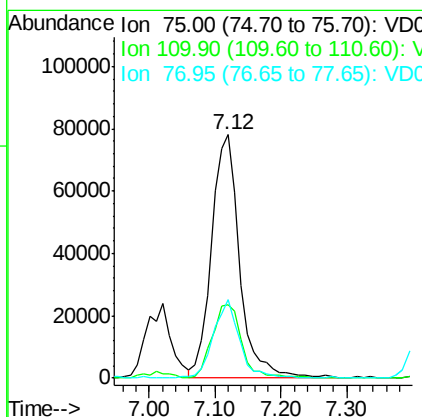
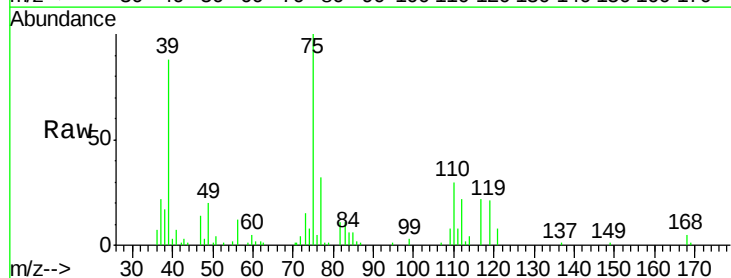
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

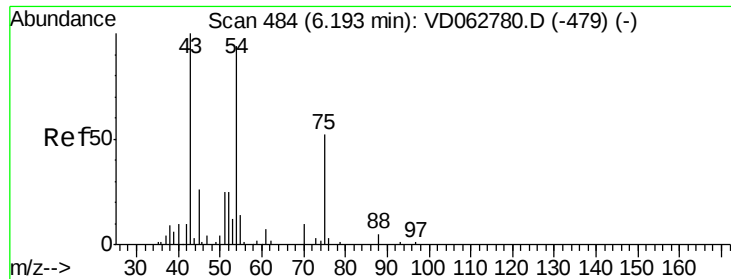
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.2	81.2	121.8
192	17.6	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 20.552 ug/l
 RT: 7.12 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.0	15.0	45.1
77	32.2	22.2	33.2

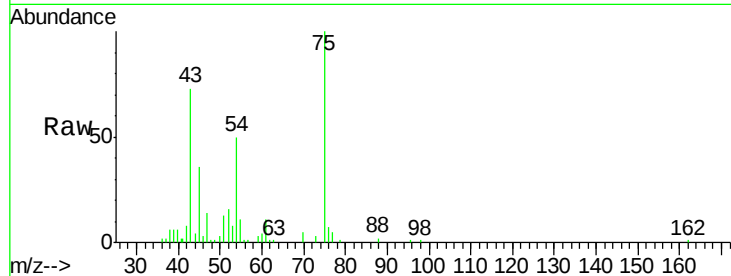




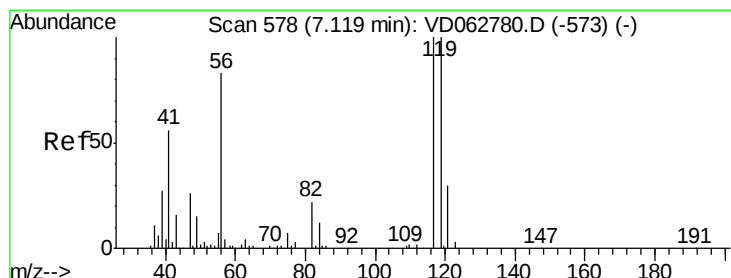
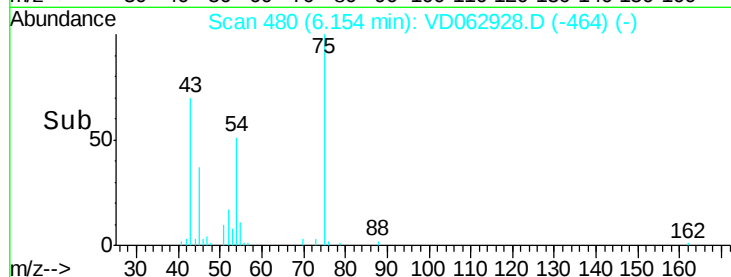
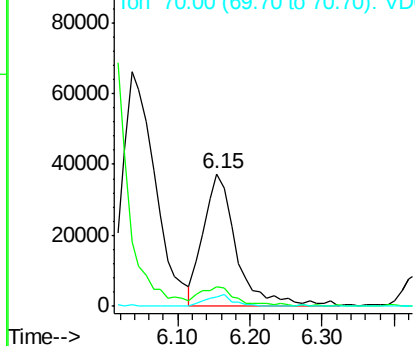
#37
Ethyl Acetate
Concen: 24.691 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

Tot Ion: 43 Resp: 118671
Ion Ratio Lower Upper
43 100
61 15.0 11.6 17.4
70 6.8 6.4 9.6

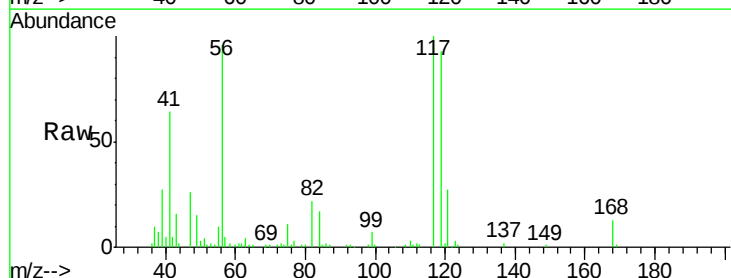


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

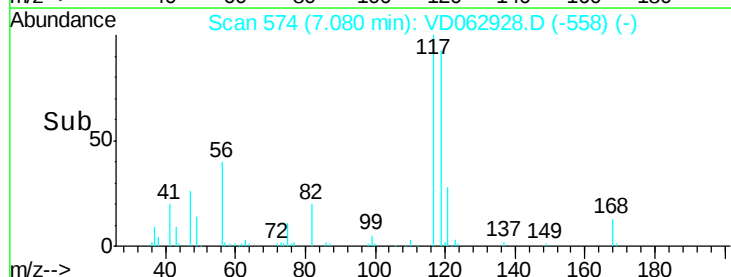
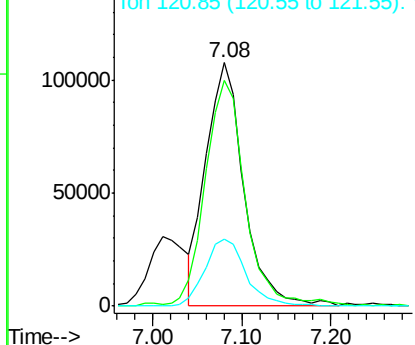


#38
Carbon Tetrachloride
Concen: 19.029 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 117 Resp: 320214
Ion Ratio Lower Upper
117 100
119 92.9 75.4 113.2
121 27.4 22.3 33.5



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

Methylcyclohexane

Concen: 20.032 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

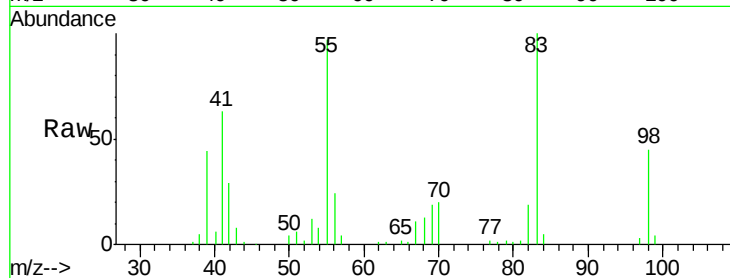
Tot Ion: 83 Resp: 197294

Ion Ratio Lower Upper

83 100

55 97.3 76.6 115.0

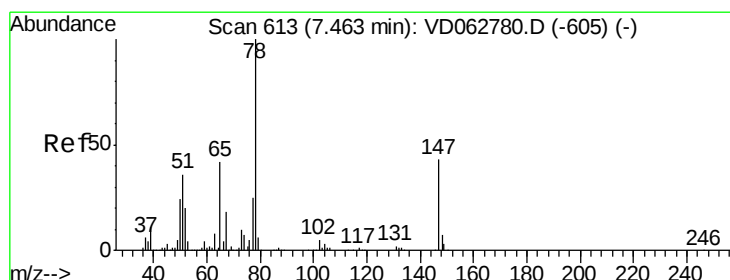
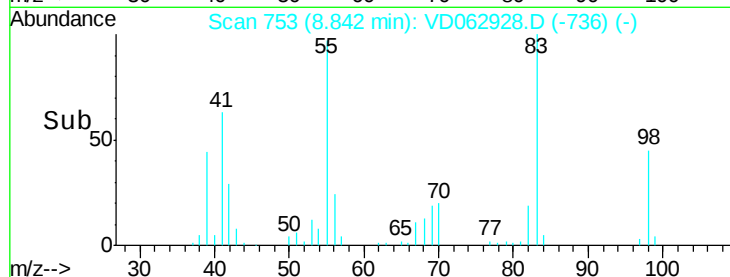
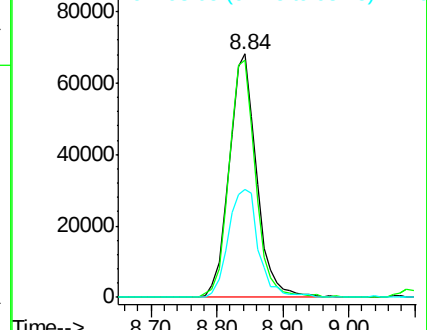
98 44.6 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.657 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062928.D

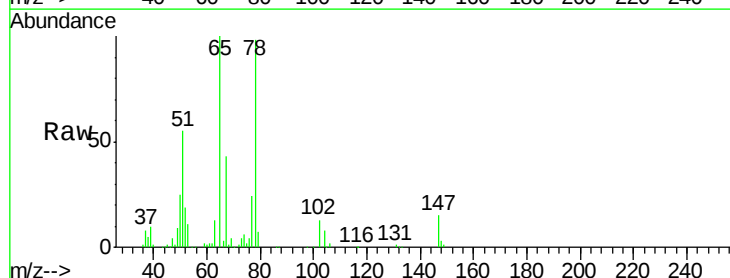
Acq: 27 Jun 2019 13:42

Tgt Ion: 78 Resp: 463951

Ion Ratio Lower Upper

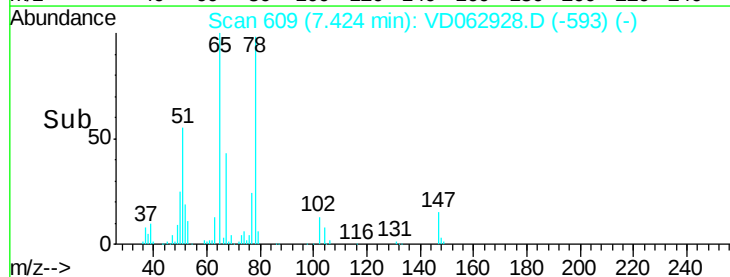
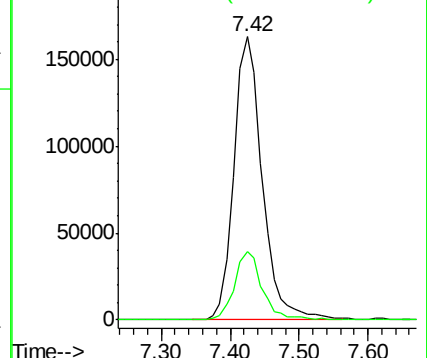
78 100

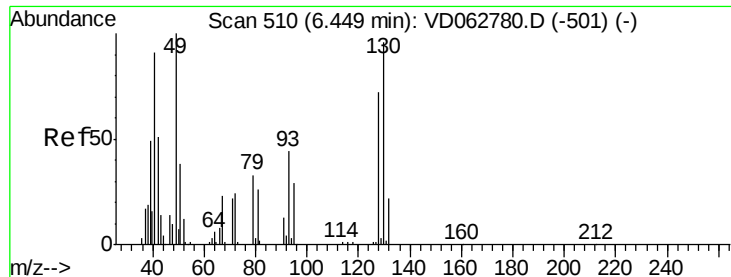
77 24.3 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.045 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

Tot Ion: 41 Resp: 135983

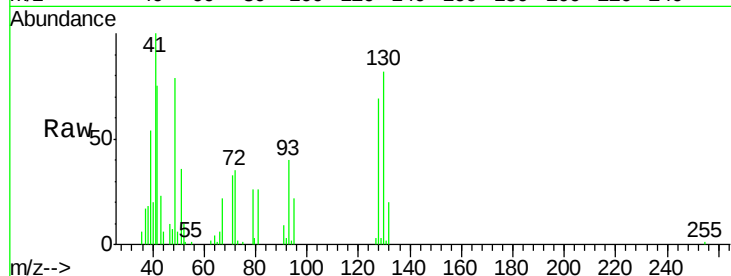
Ion Ratio Lower Upper

41 100

39 54.2 43.2 64.8

67 21.7 19.9 29.9

52 9.7 10.2 15.4#

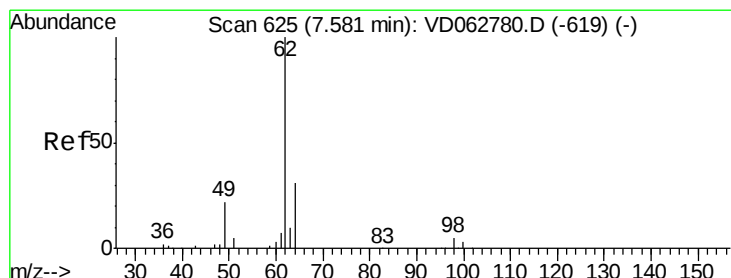
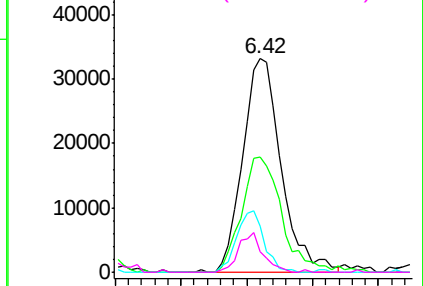
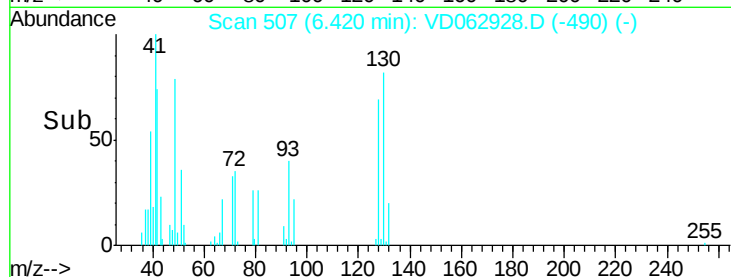


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.515 ug/l

RT: 7.55 min Scan# 622

Delta R.T. -0.03 min

Lab File: VD062928.D

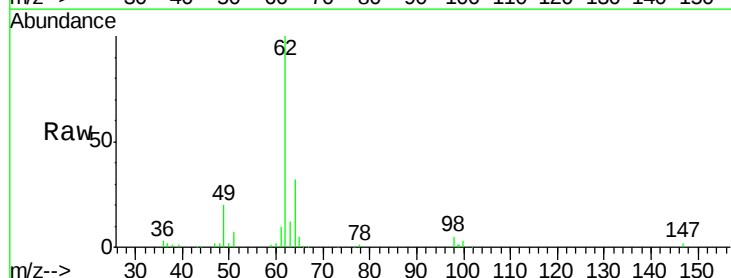
Acq: 27 Jun 2019 13:42

Tgt Ion: 62 Resp: 275859

Ion Ratio Lower Upper

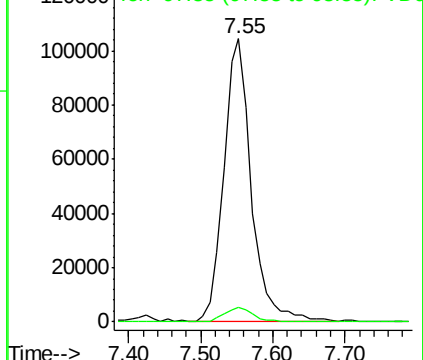
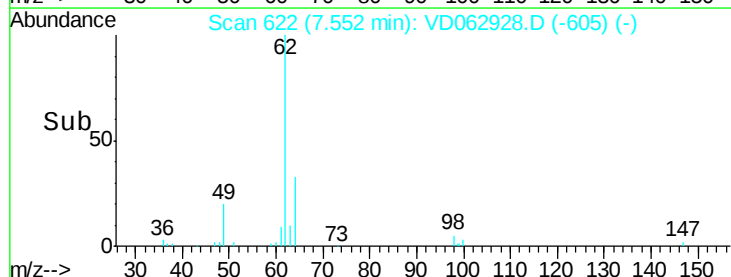
62 100

98 5.0 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 25.309 ug/l

RT: 9.22 min Scan# 791

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

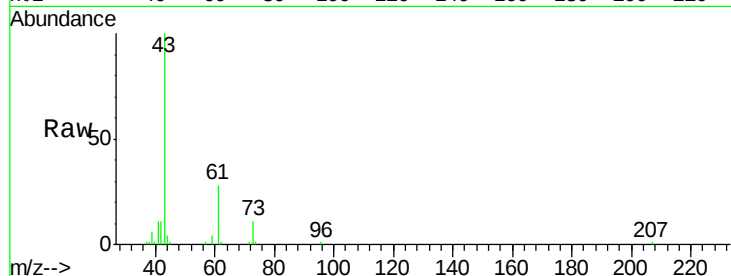
Tot Ion: 43 Resp: 148461

Ion Ratio Lower Upper

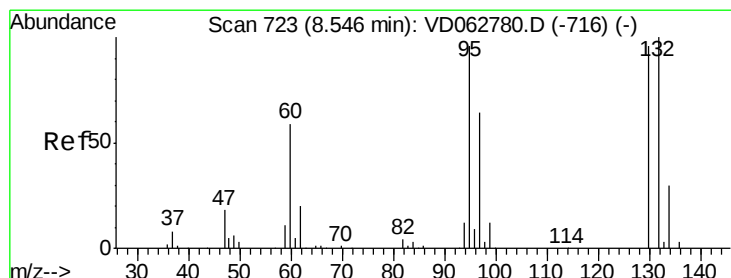
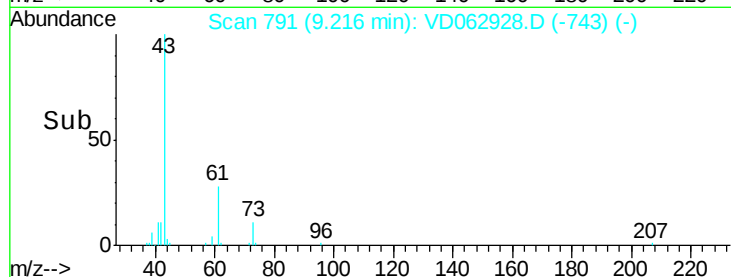
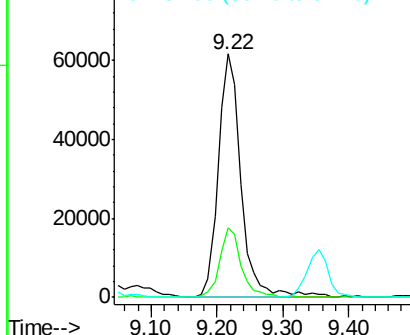
43 100

61 28.4 22.4 33.6

87 0.0 0.3 0.5#



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: 20.684 ug/l

RT: 8.52 min Scan# 720

Delta R.T. -0.03 min

Lab File: VD062928.D

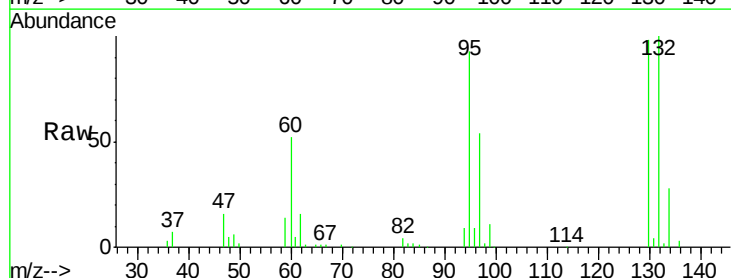
Acq: 27 Jun 2019 13:42

Tgt Ion:130 Resp: 182125

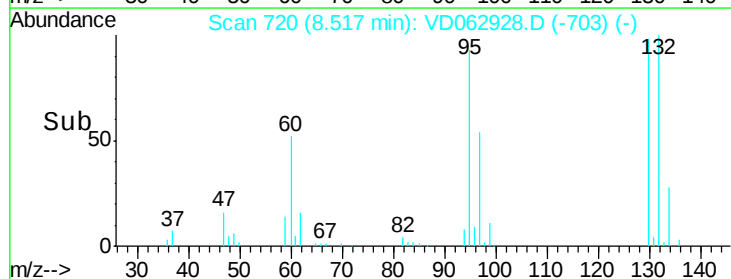
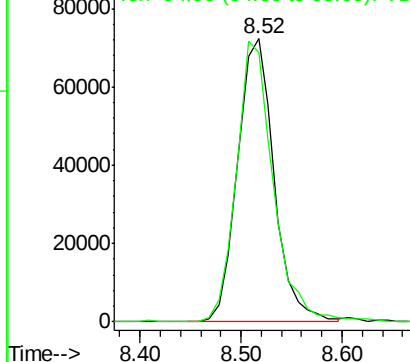
Ion Ratio Lower Upper

130 100

95 94.9 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 20.820 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

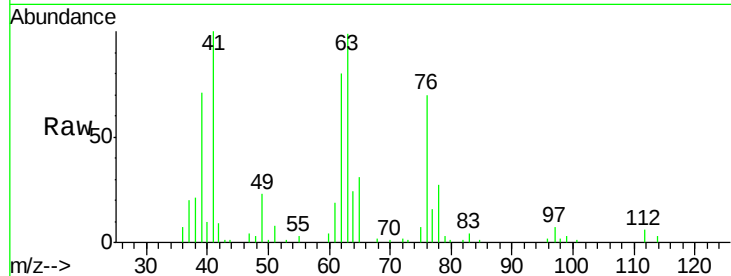
VD0627SBS02

Tot Ion: 63 Resp: 116278

Ion Ratio Lower Upper

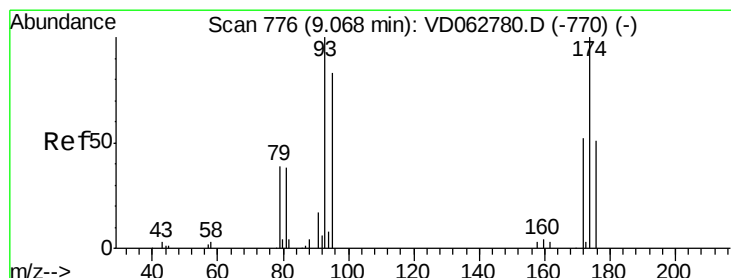
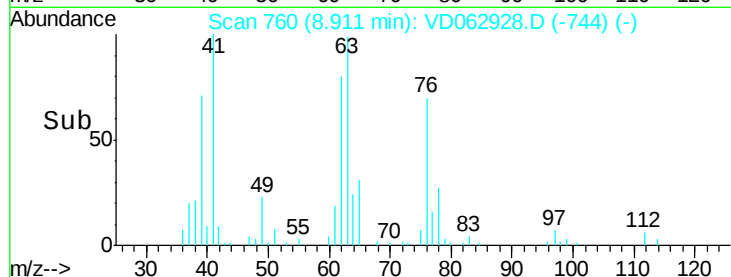
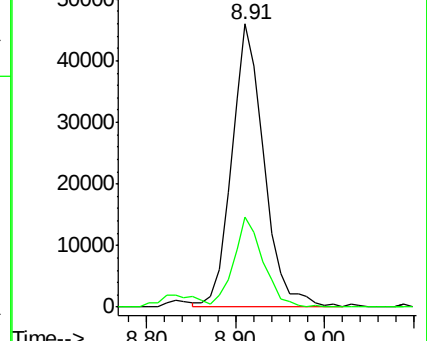
63 100

65 31.6 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.640 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

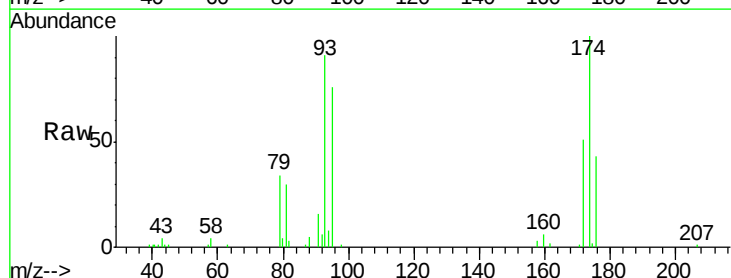
Tgt Ion: 93 Resp: 103817

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

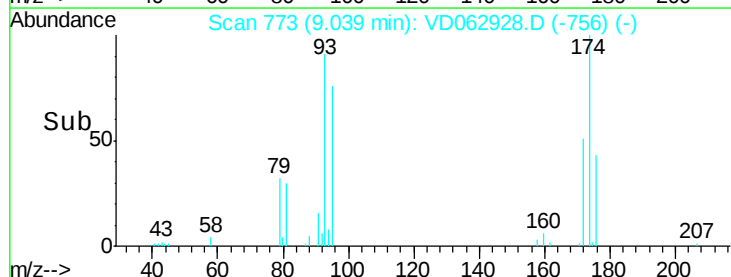
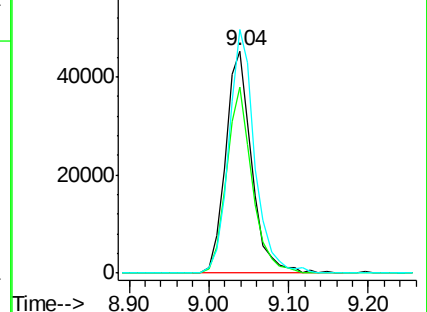
174 109.4 79.7 119.5

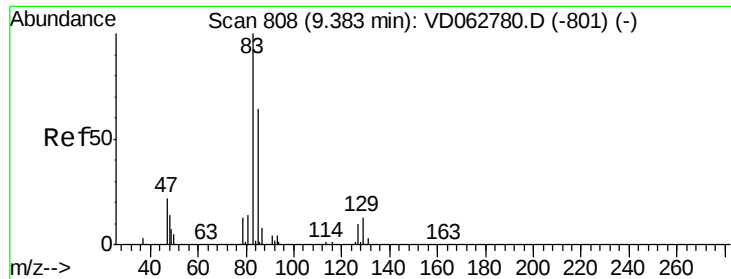


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.246 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

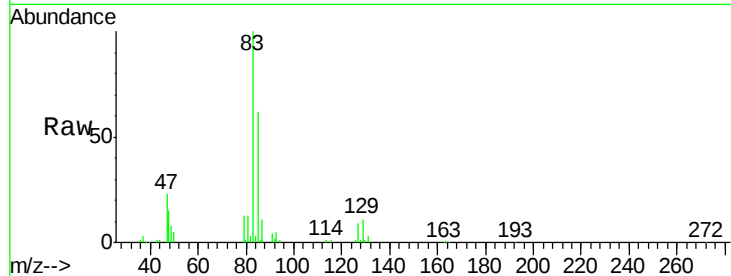
Tot Ion: 83 Resp: 264713

Ion Ratio Lower Upper

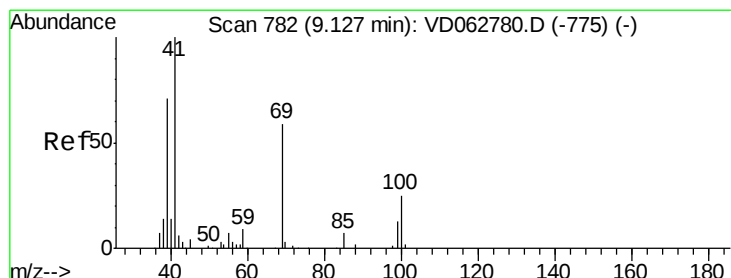
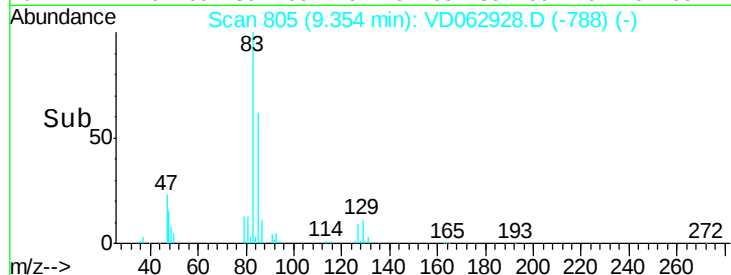
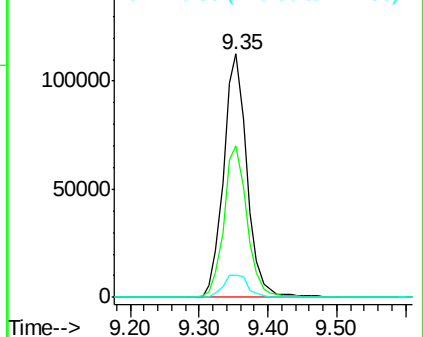
83 100

85 62.3 51.6 77.4

127 9.2 7.8 11.6



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: 22.275 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

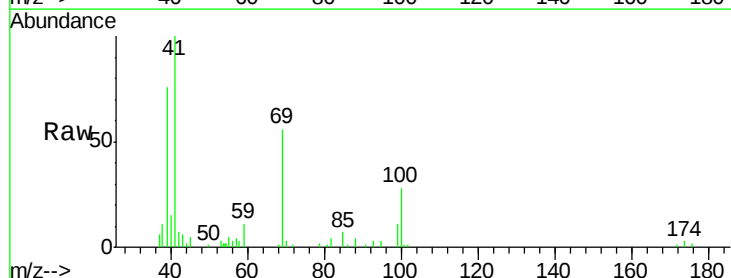
Tgt Ion: 41 Resp: 92856

Ion Ratio Lower Upper

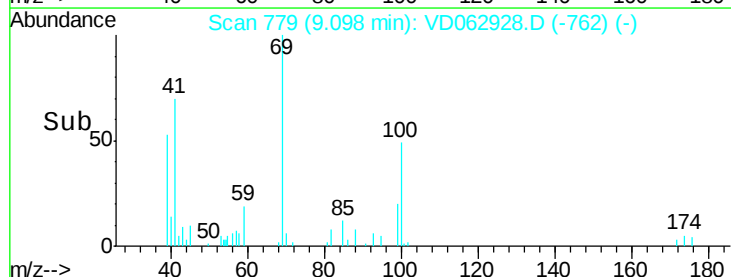
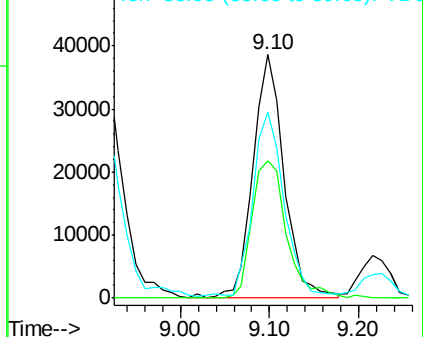
41 100

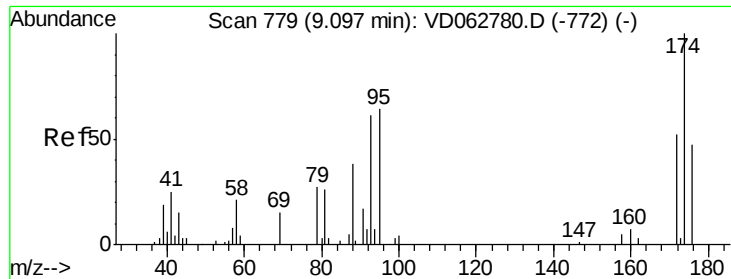
69 56.4 47.2 70.8

39 76.4 57.4 86.2



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

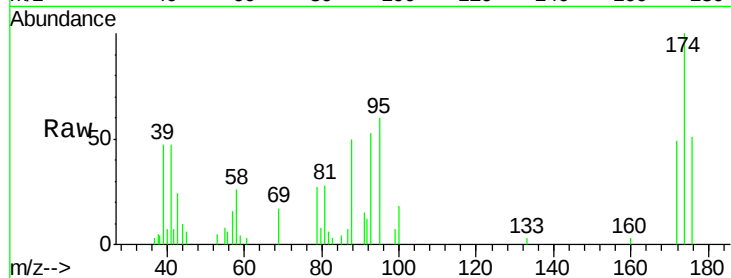




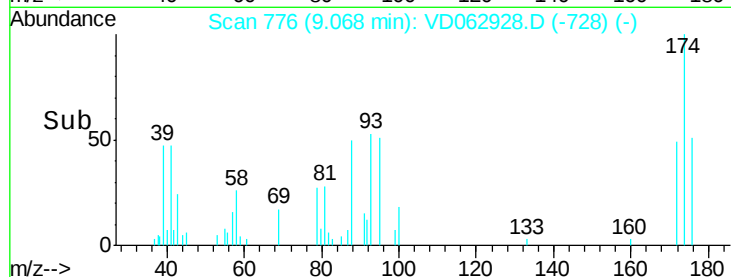
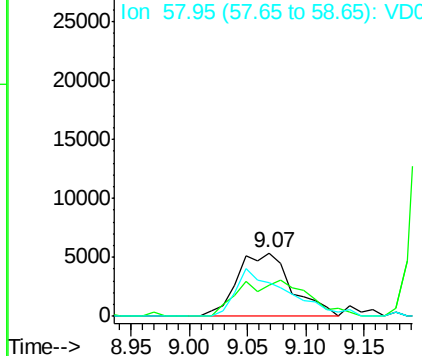
#49
1,4-Dioxane
Concen: 503.701 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

Tot Ion: 88 Resp: 17469
Ion Ratio Lower Upper
88 100
43 48.5 32.1 48.1#
58 52.9 44.1 66.1

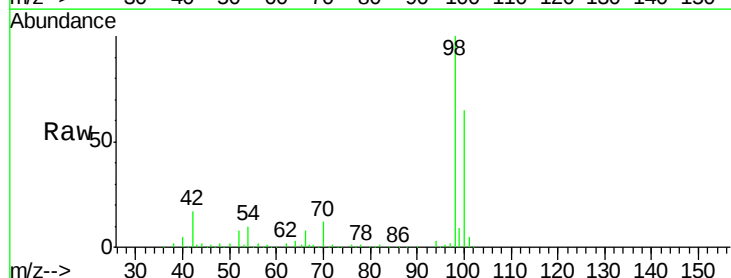


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

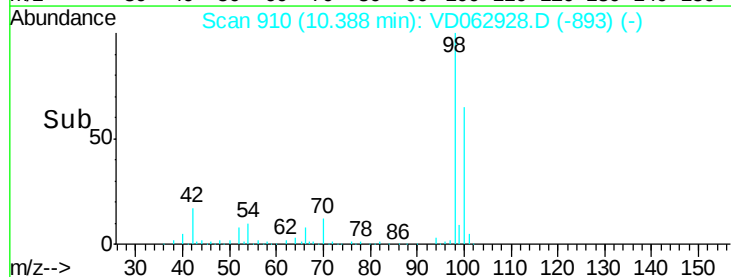
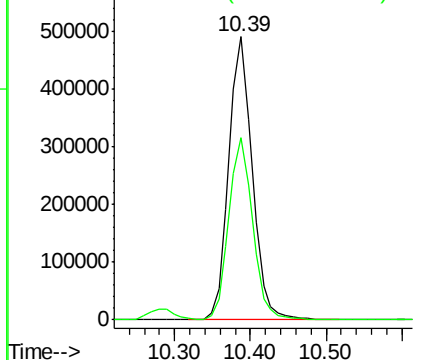


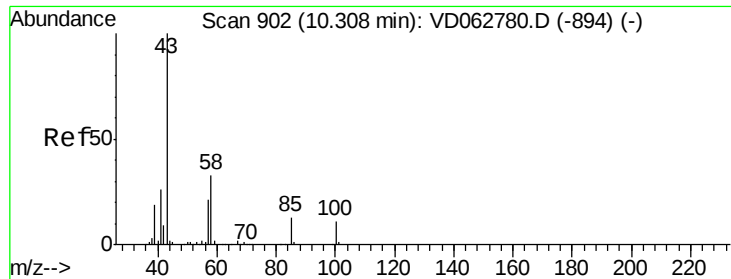
#50
Toluene-d8
Concen: 48.381 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 98 Resp: 1049448
Ion Ratio Lower Upper
98 100
100 64.6 54.7 82.1



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

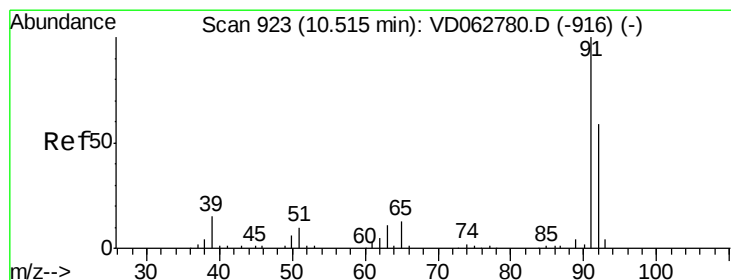
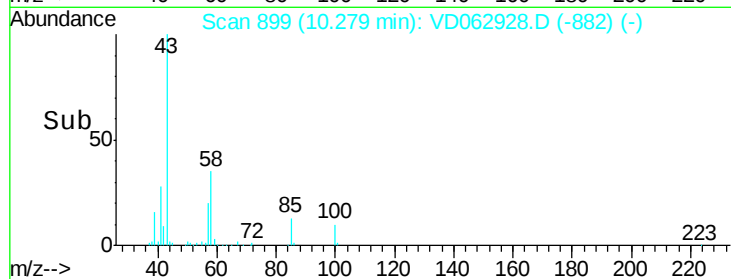
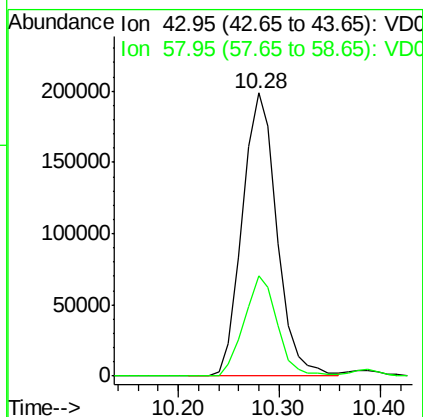
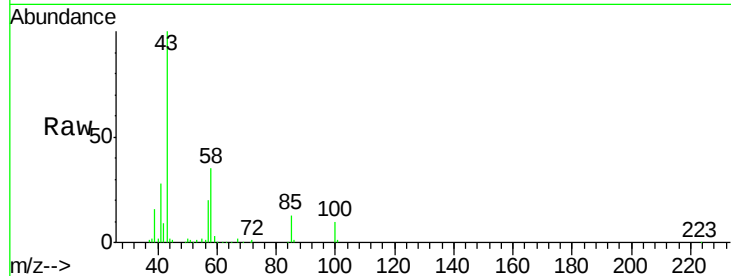




#51
 4-Methyl-2-Pentanone
 Concen: 114.411 ug/l
 RT: 10.28 min Scan# 899
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

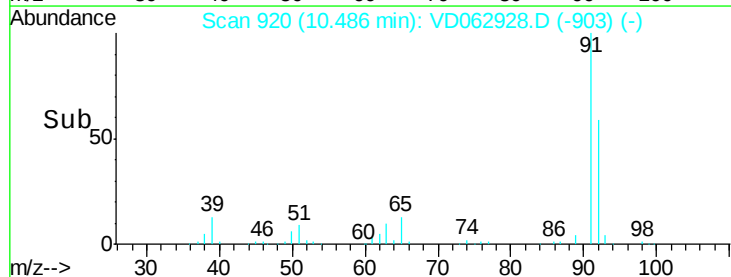
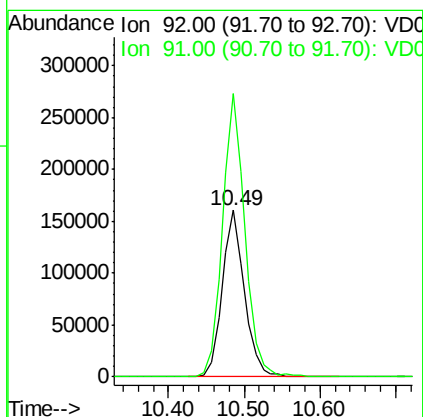
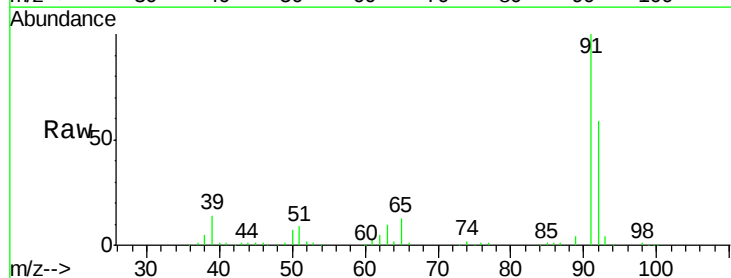
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0627SBS02

Tot Ion: 43 Resp: 475836
 Ion Ratio Lower Upper
 43 100
 58 35.2 26.6 40.0



#52
 Toluene
 Concen: 21.518 ug/l
 RT: 10.49 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion: 92 Resp: 324873
 Ion Ratio Lower Upper
 92 100
 91 169.8 136.3 204.5

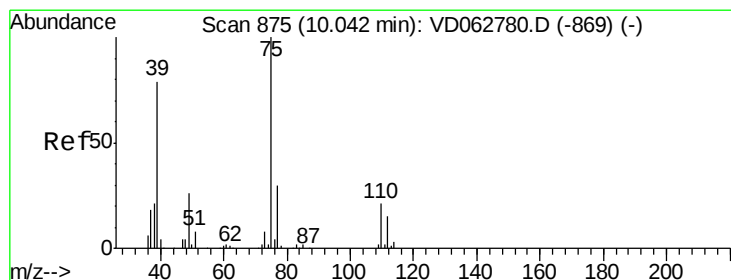
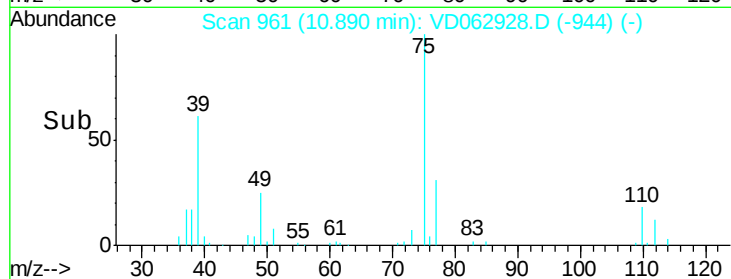
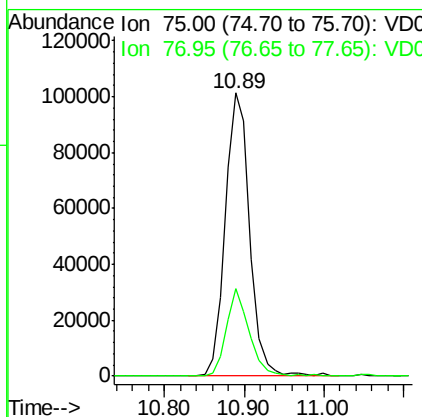
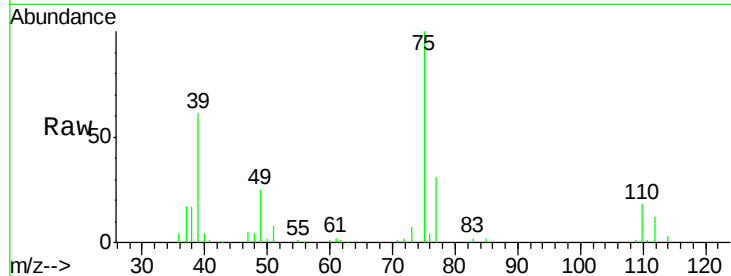




#53
 t-1,3-Dichloropropene
 Concen: 21.357 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

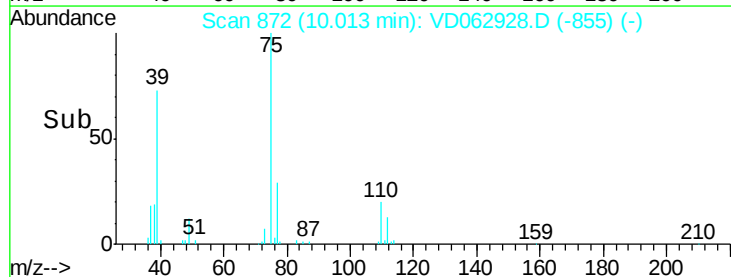
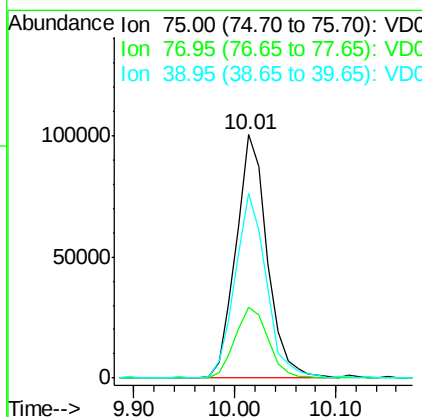
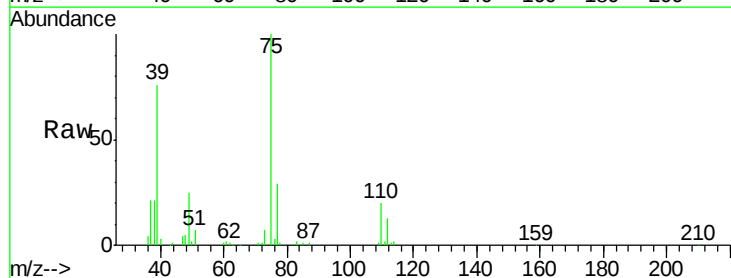
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

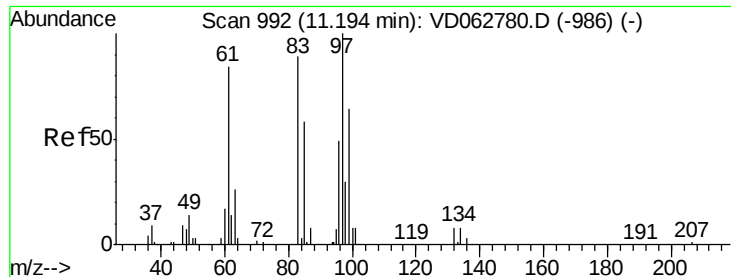
Tot Ion: 75 Resp: 217800
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.649 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion: 75 Resp: 217792
 Ion Ratio Lower Upper
 75 100
 77 28.9 24.2 36.2
 39 75.8 63.5 95.3



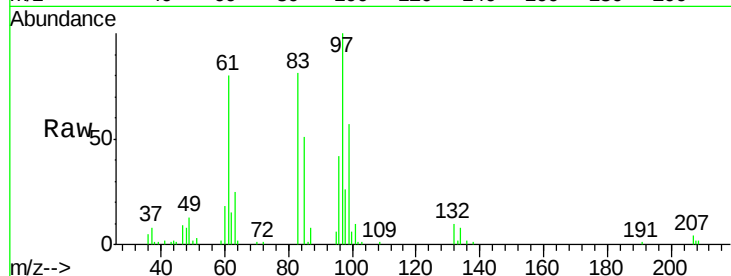


#55
 1,1,2-Trichloroethane
 Concen: 22.608 ug/l
 RT: 11.17 min Scan# 989
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

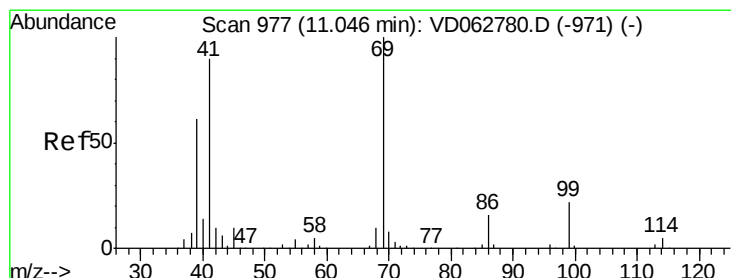
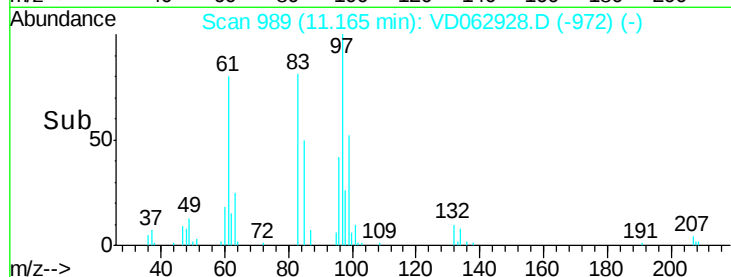
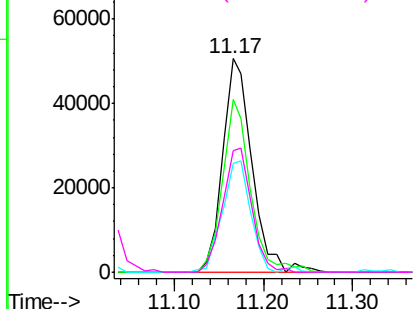
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

Tot Ion: 97 Resp: 117268

Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.0	106.4
85	51.1	46.6	69.8
99	57.1	51.4	77.0



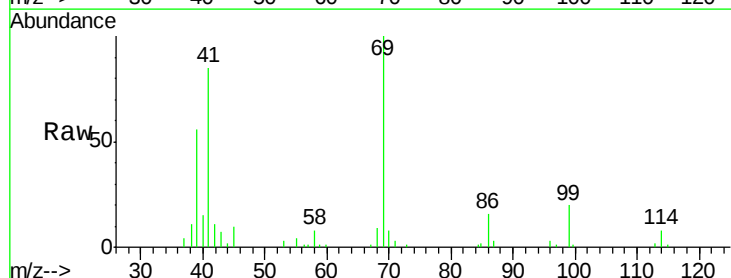
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



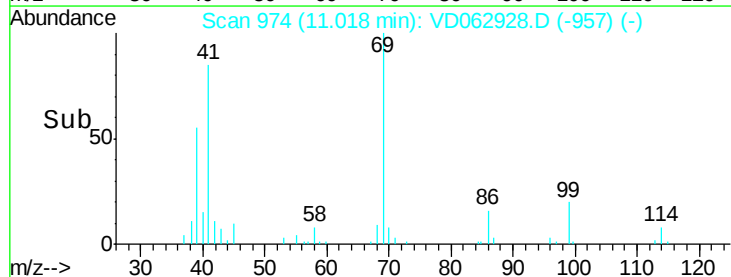
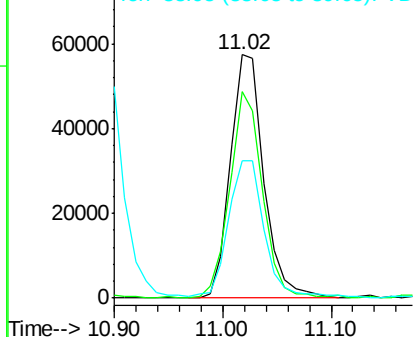
#56
 Ethyl methacrylate
 Concen: 22.274 ug/l
 RT: 11.02 min Scan# 974
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

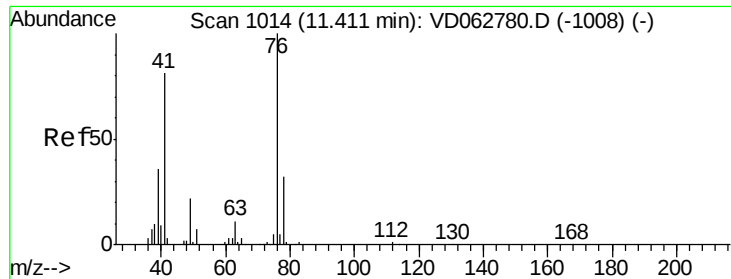
Tgt Ion: 69 Resp: 123470

Ion	Ratio	Lower	Upper
69	100		
41	85.1	72.0	108.0
39	56.5	49.5	74.3



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

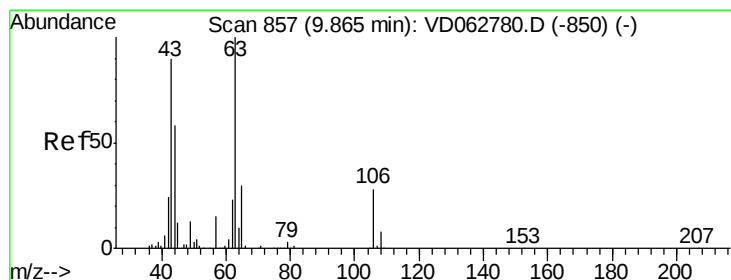
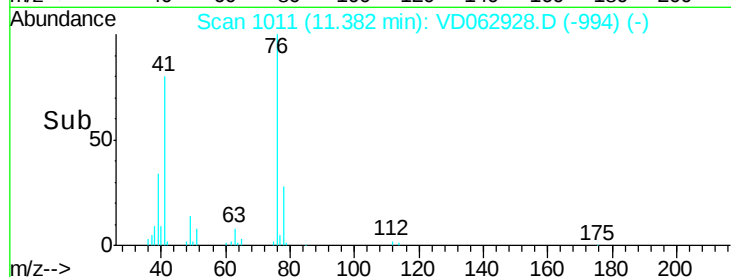
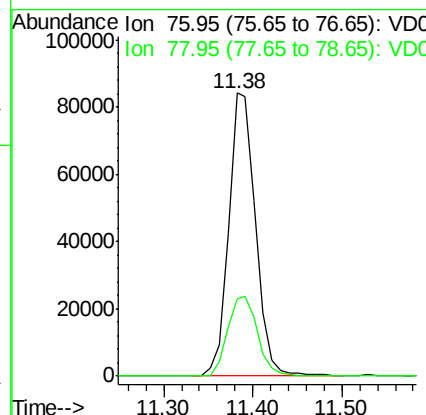
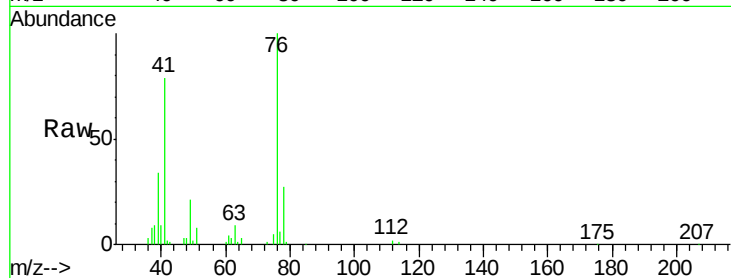




#57
 1,3-Dichloropropane
 Concen: 22.471 ug/l
 RT: 11.38 min Scan# 1011
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

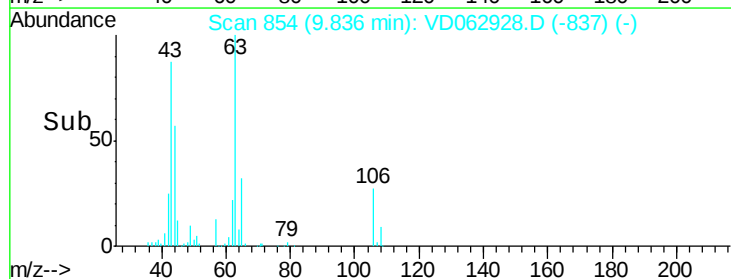
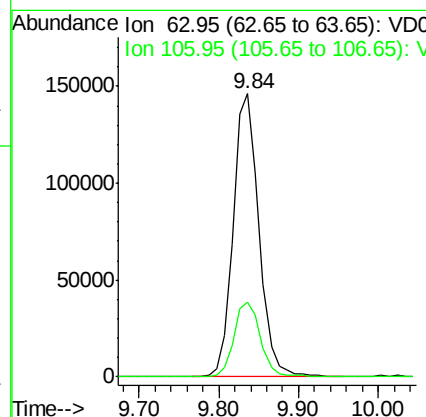
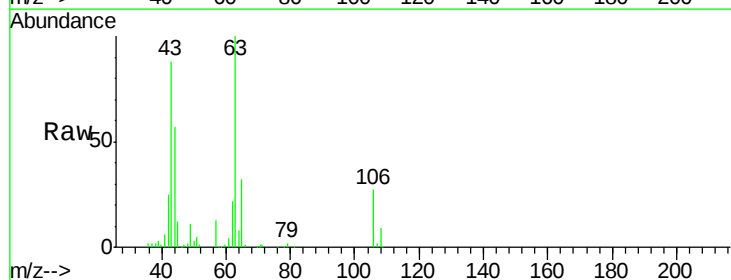
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

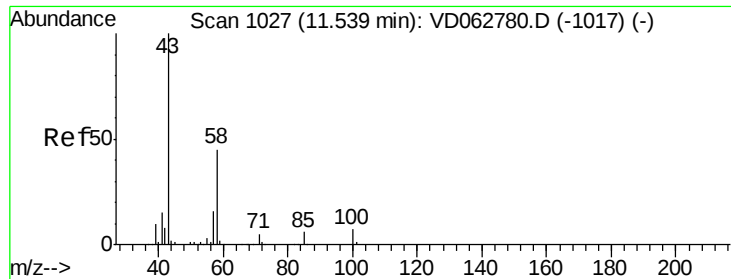
Tot Ion: 76 Resp: 178468
 Ion Ratio Lower Upper
 76 100
 78 27.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.102 ug/l
 RT: 9.84 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion: 63 Resp: 330406
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.1 33.1

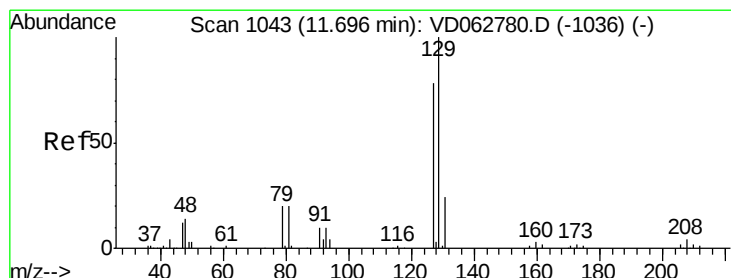
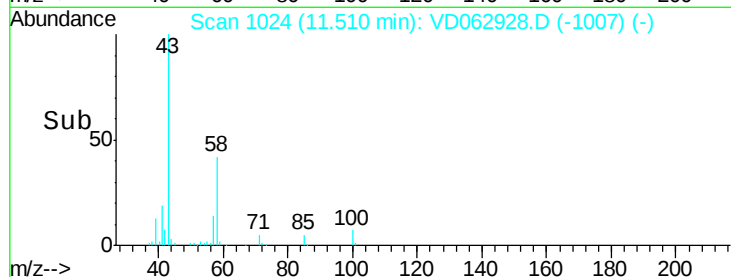
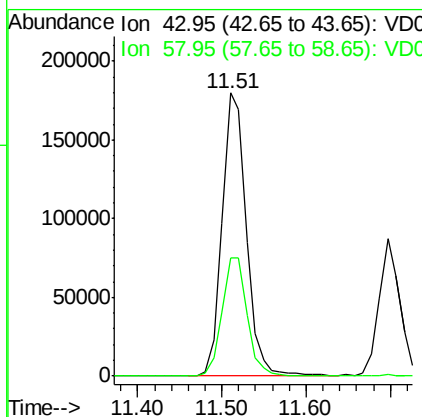
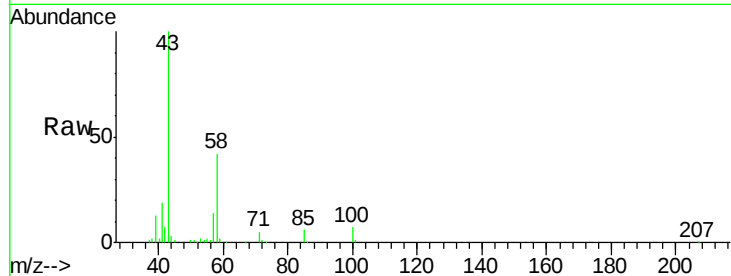




#59
2-Hexanone
Concen: 121.379 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.03 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

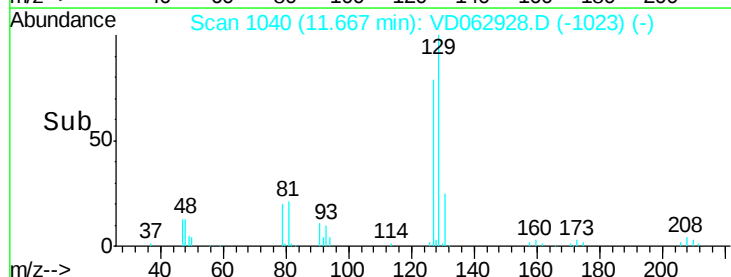
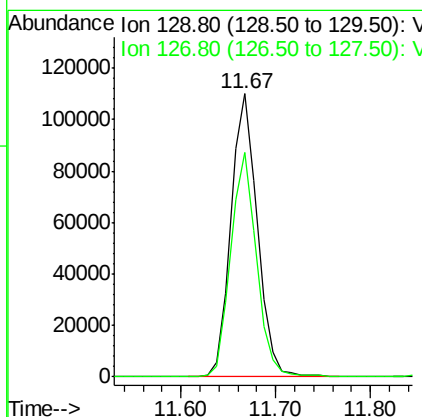
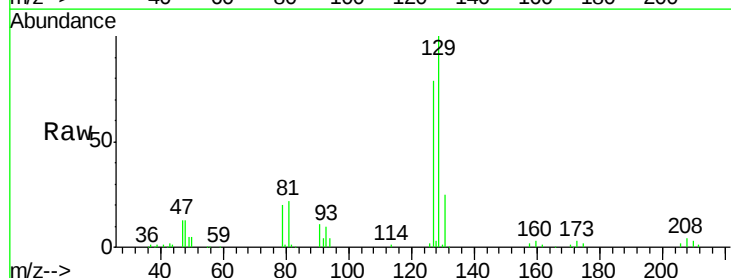
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

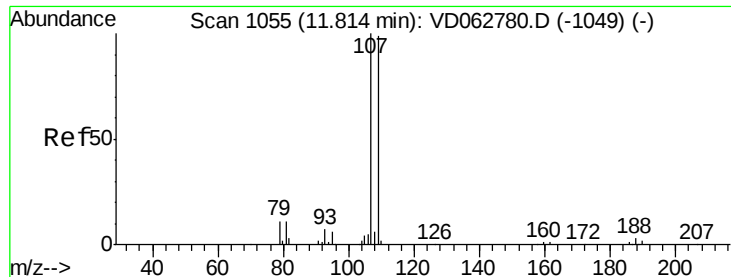
Tot Ion: 43 Resp: 359523
Ion Ratio Lower Upper
43 100
58 41.8 22.4 67.2



#60
Dibromochloromethane
Concen: 21.986 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 129 Resp: 212415
Ion Ratio Lower Upper
129 100
127 79.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.932 ug/l

RT: 11.79 min Scan# 1052

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

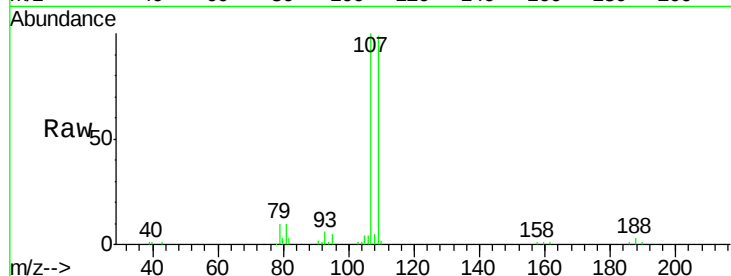
VD0627SBS02

Tot Ion:107 Resp: 134356

Ion Ratio Lower Upper

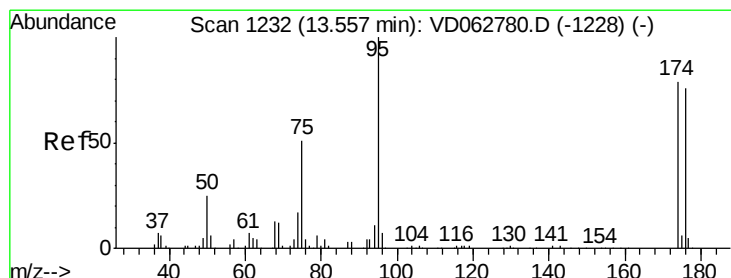
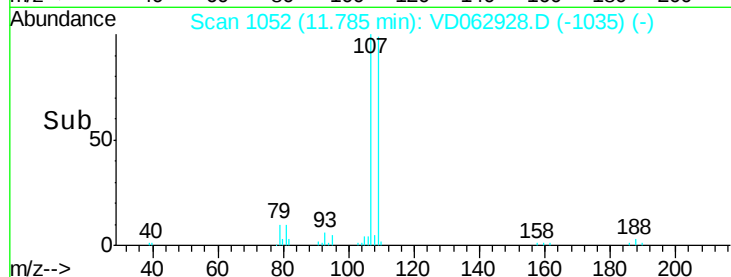
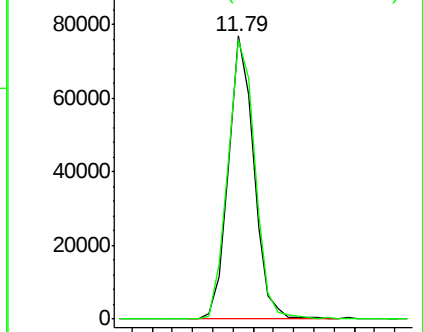
107 100

109 98.9 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 46.023 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

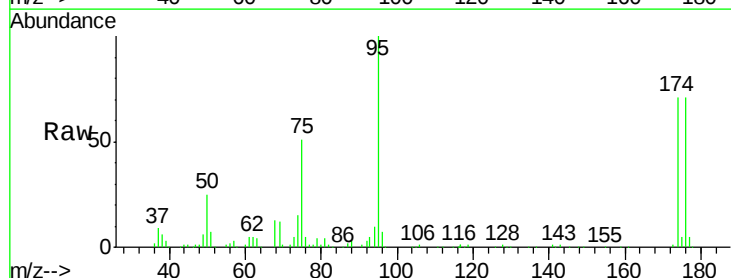
Tgt Ion: 95 Resp: 453937

Ion Ratio Lower Upper

95 100

174 70.7 0.0 158.0

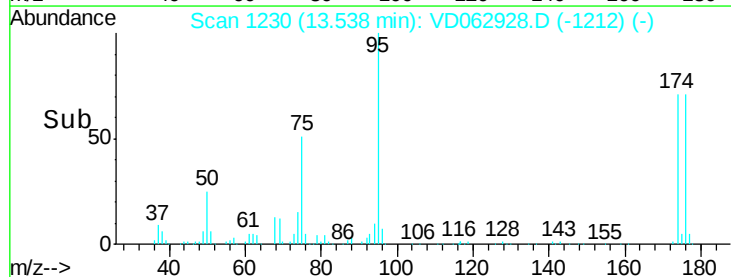
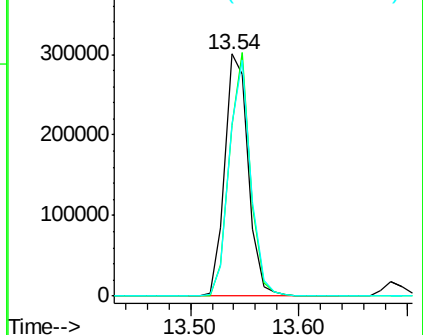
176 71.1 0.0 151.6

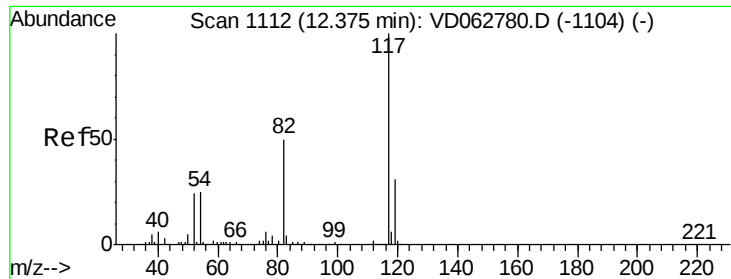


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

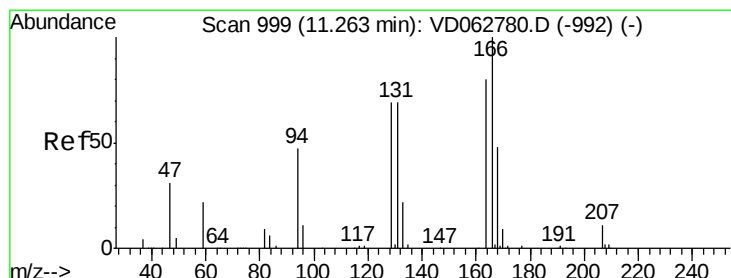
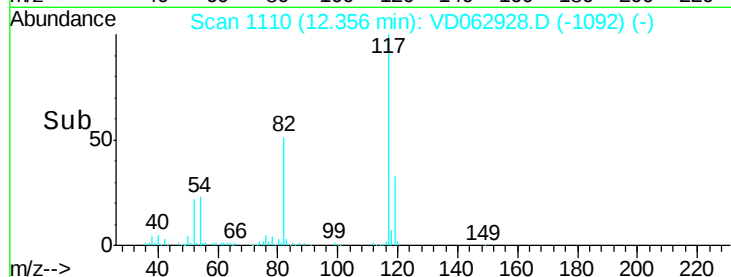
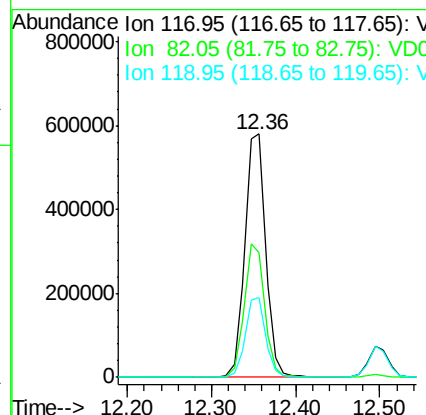
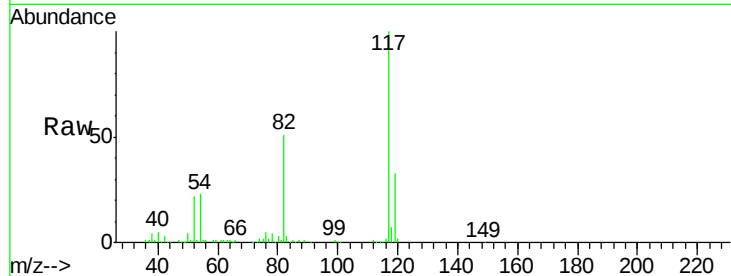




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

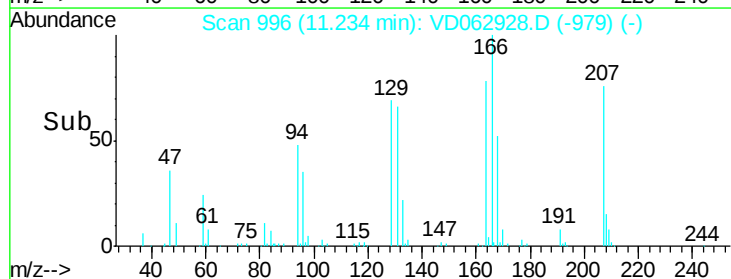
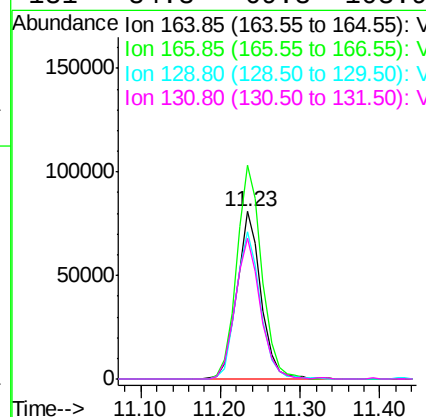
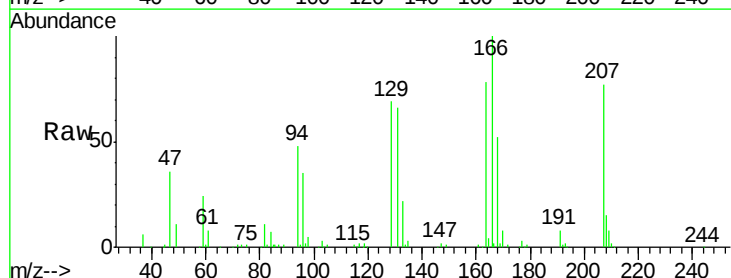
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

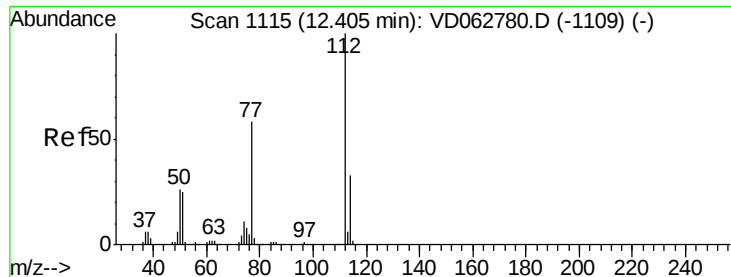
Tot Ion:117 Resp: 1000099
Ion Ratio Lower Upper
117 100
82 51.2 40.4 60.6
119 33.0 25.2 37.8



#64
Tetrachloroethene
Concen: 20.710 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion:164 Resp: 170467
Ion Ratio Lower Upper
164 100
166 127.7 100.6 150.8
129 87.8 69.4 104.0
131 84.3 69.3 103.9





#65

Chlorobenzene

Concen: 21.466 ug/l

RT: 12.39 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

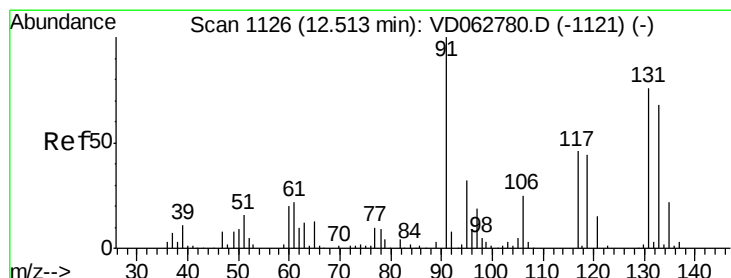
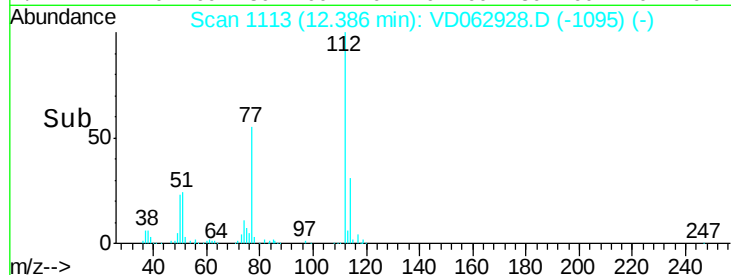
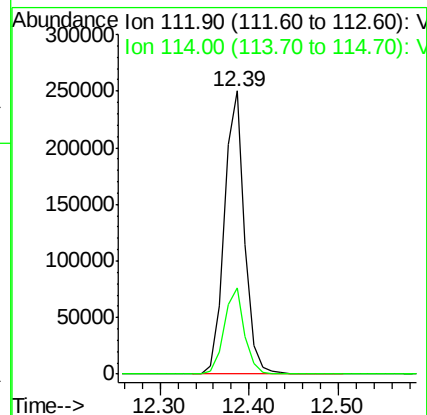
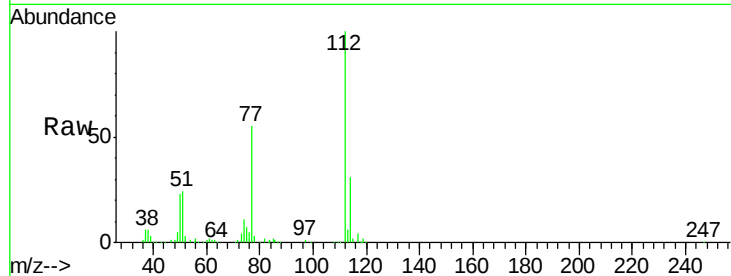
VD0627SBS02

Tot Ion:112 Resp: 398434

Ion Ratio Lower Upper

112 100

114 30.7 26.3 39.5



#66

1,1,1,2-Tetrachloroethane

Concen: 22.031 ug/l

RT: 12.49 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

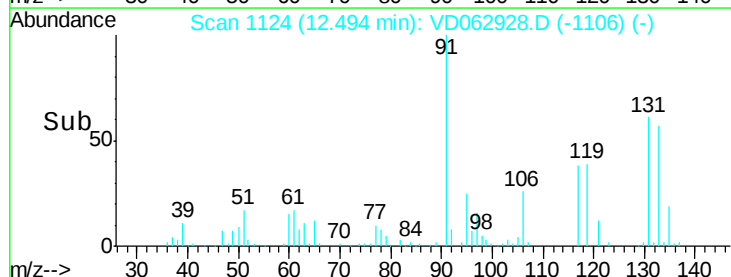
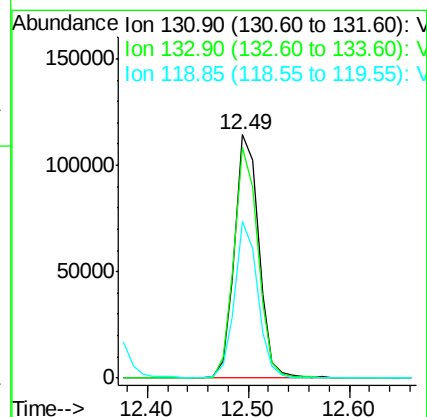
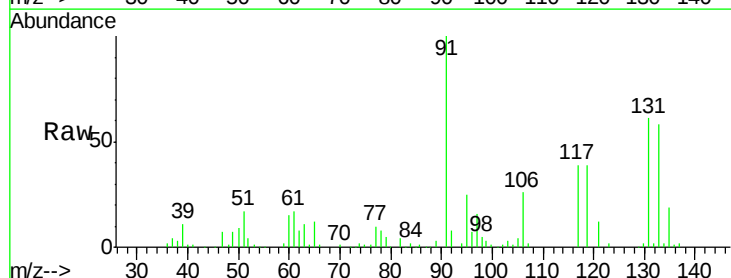
Tgt Ion:131 Resp: 191227

Ion Ratio Lower Upper

131 100

133 94.8 44.5 133.3

119 64.2 28.6 85.9

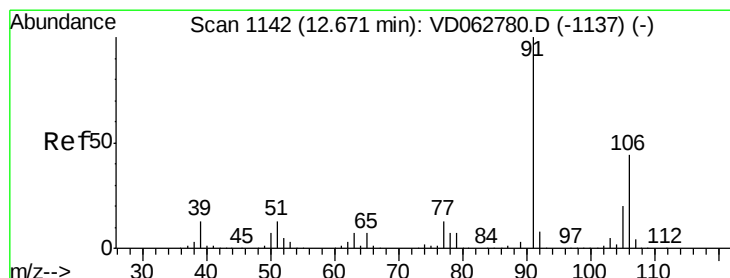
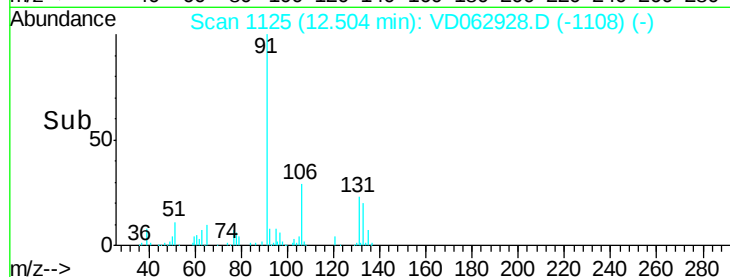
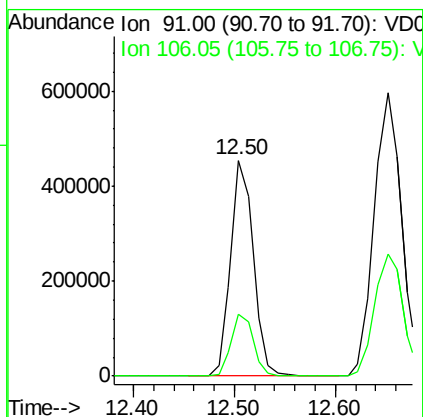
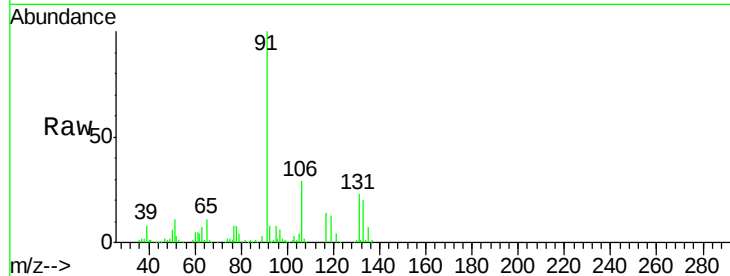




#67
Ethyl Benzene
Concen: 21.330 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

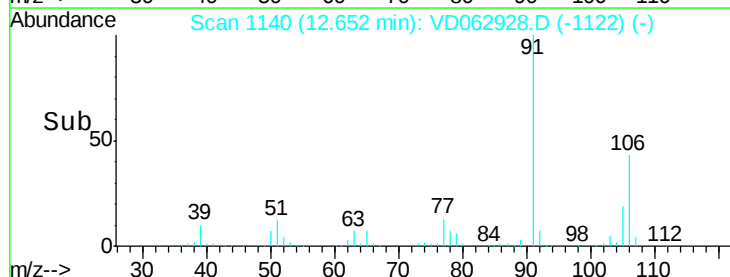
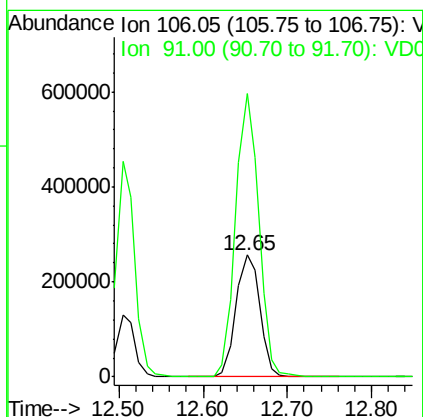
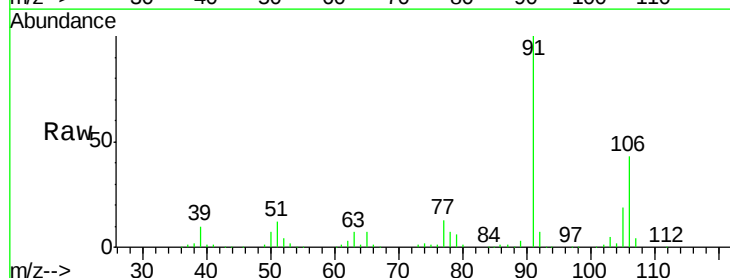
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

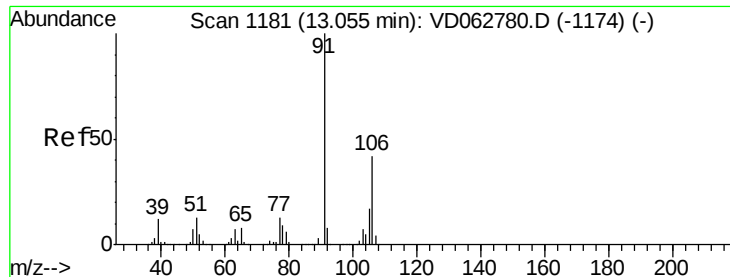
Tot Ion: 91 Resp: 710809
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#68
m/p-Xylenes
Concen: 43.777 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 106 Resp: 508093
Ion Ratio Lower Upper
106 100
91 232.5 183.0 274.6

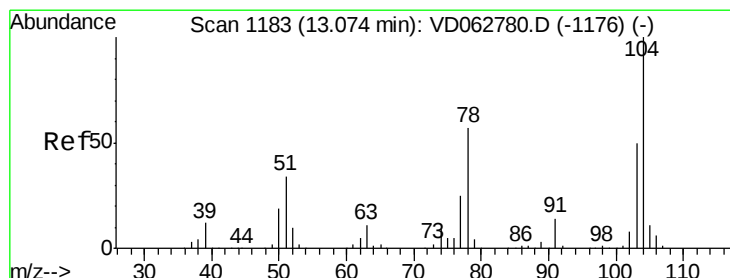
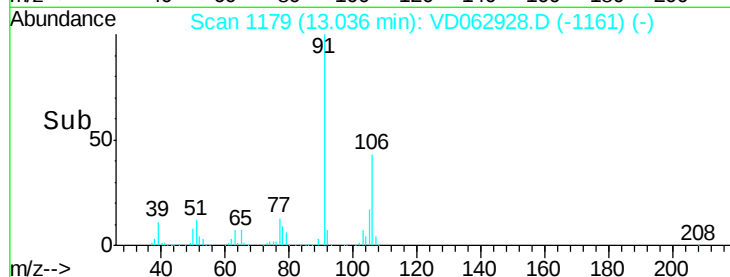
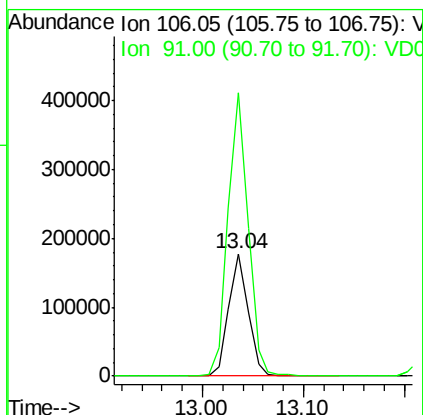
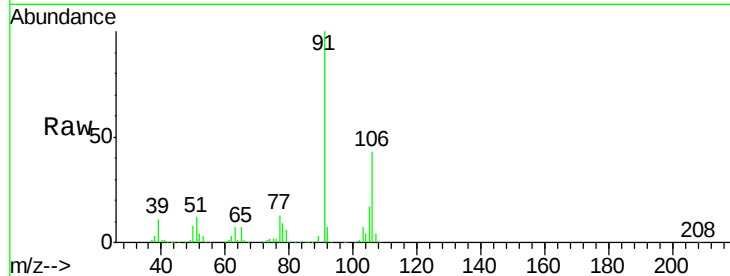




#69
o-Xylene
Concen: 22.652 ug/l
RT: 13.04 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

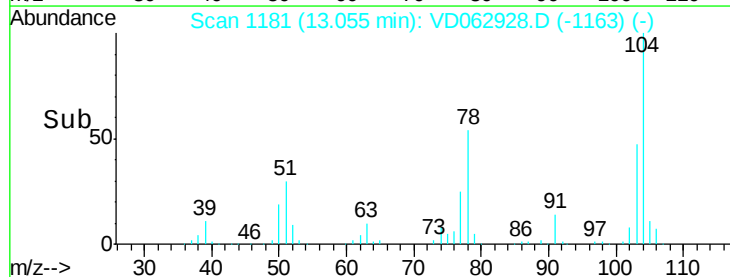
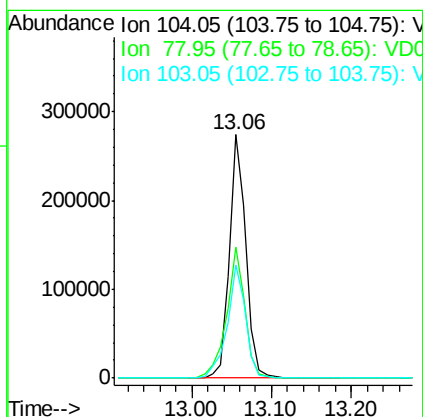
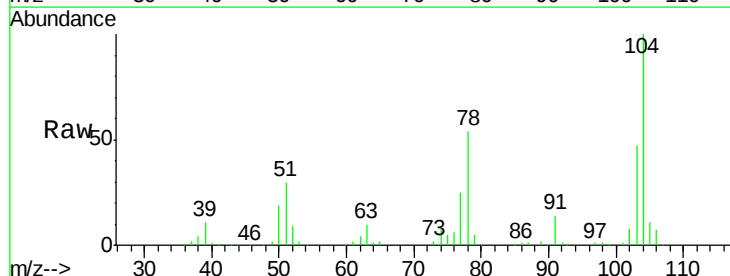
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

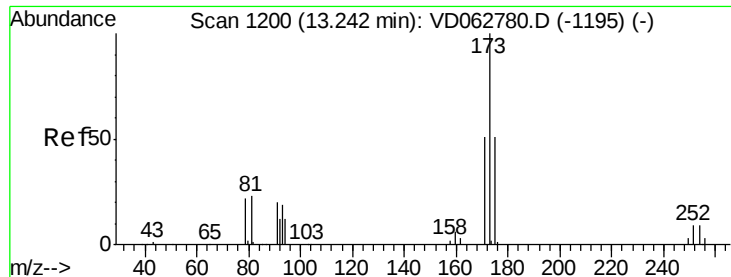
Tot Ion:106 Resp: 240342
Ion Ratio Lower Upper
106 100
91 230.7 117.9 353.6



#70
Styrene
Concen: 21.425 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion:104 Resp: 399283
Ion Ratio Lower Upper
104 100
78 54.0 45.4 68.2
103 46.6 39.7 59.5





#71

Bromoform

Concen: 22.586 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

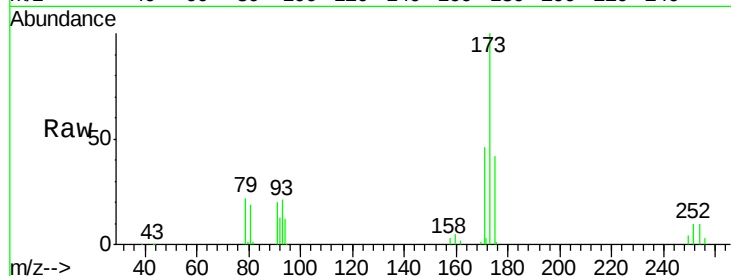
Tot Ion:173 Resp: 134321

Ion Ratio Lower Upper

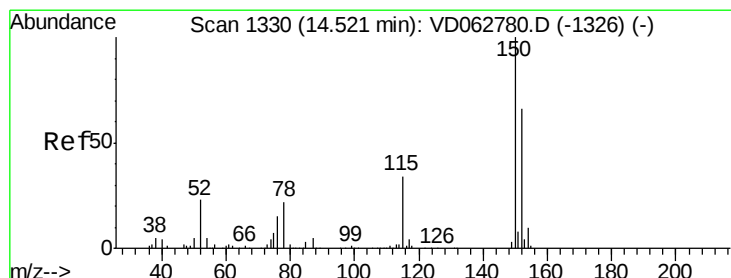
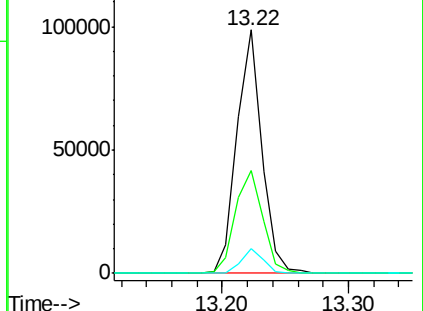
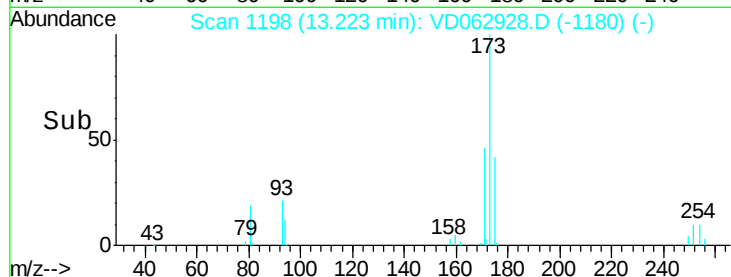
173 100

175 42.0 25.3 75.9

254 10.2 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

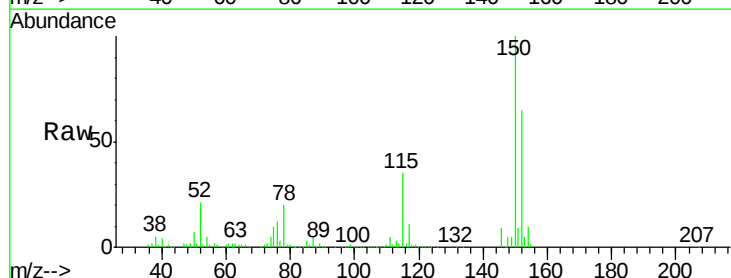
Tgt Ion:152 Resp: 542543

Ion Ratio Lower Upper

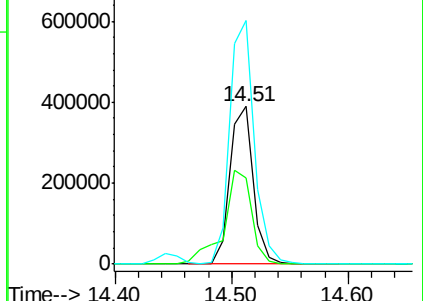
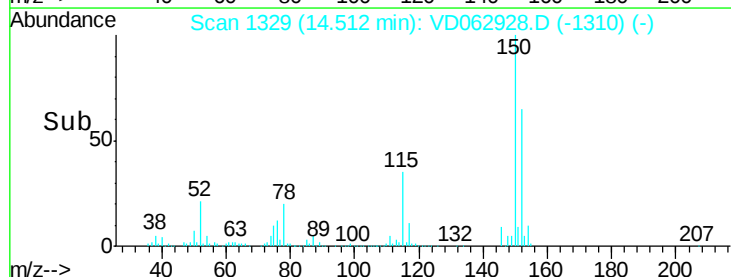
152 100

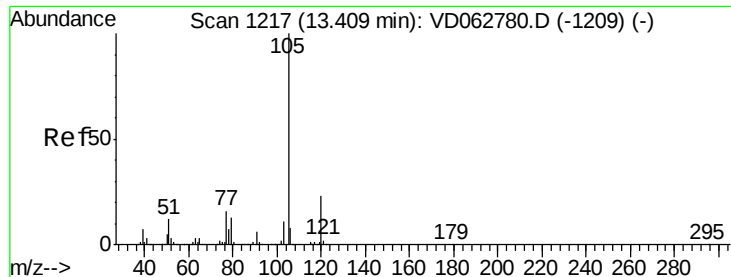
115 54.8 29.2 87.6

150 154.4 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.548 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

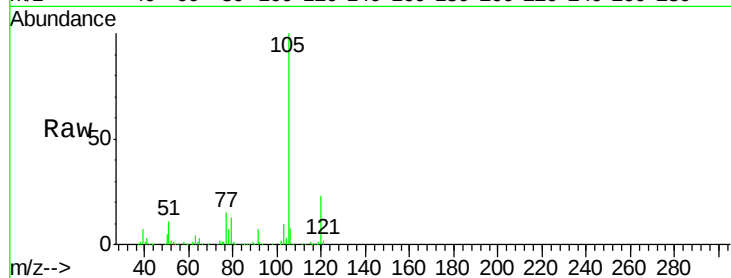
VD0627SBS02

Tot Ion:105 Resp: 714813

Ion Ratio Lower Upper

105 100

120 23.1 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

600000

500000

400000

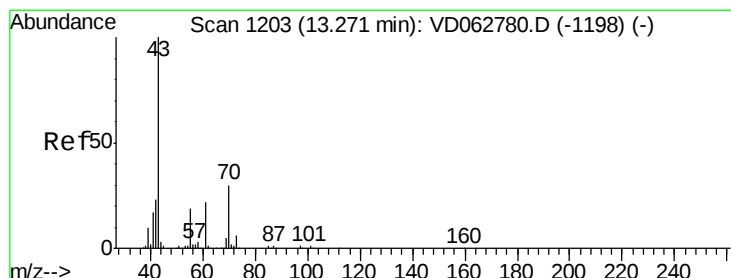
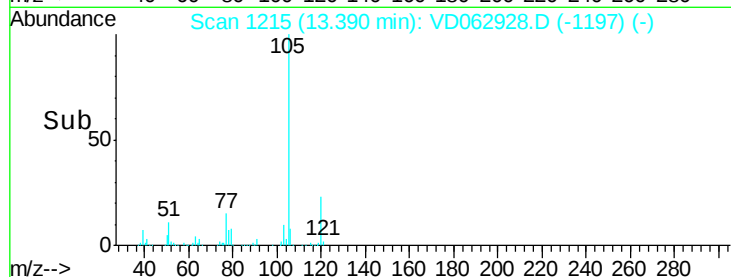
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 23.130 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Tgt Ion: 43 Resp: 195396

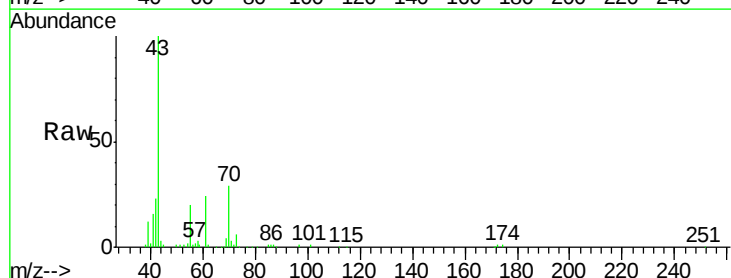
Ion Ratio Lower Upper

43 100

70 28.8 24.4 36.6

55 20.5 15.2 22.8

61 23.8 17.4 26.2



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

200000

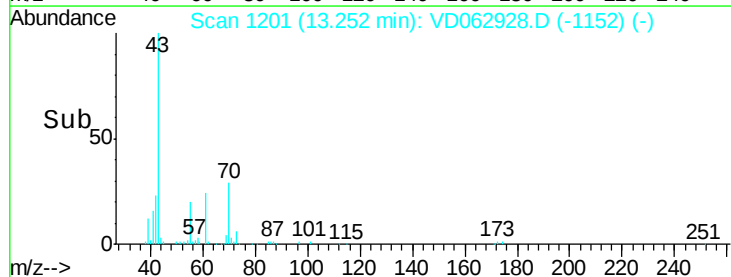
150000

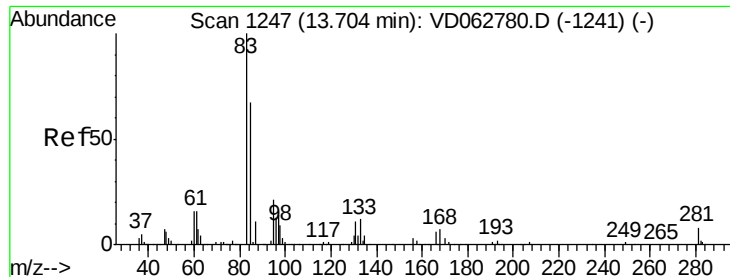
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.563 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

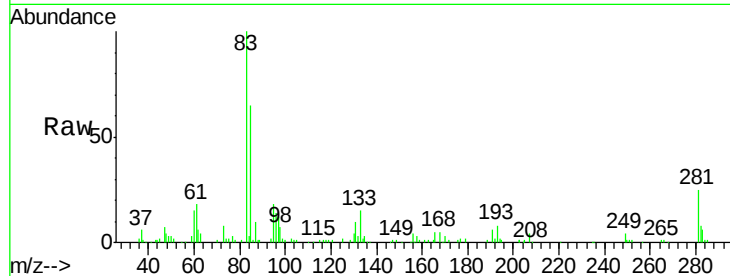
Tot Ion: 83 Resp: 127887

Ion Ratio Lower Upper

83 100

131 10.1 5.3 16.1

85 64.8 33.7 101.1



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

120000

100000

80000

60000

40000

20000

0

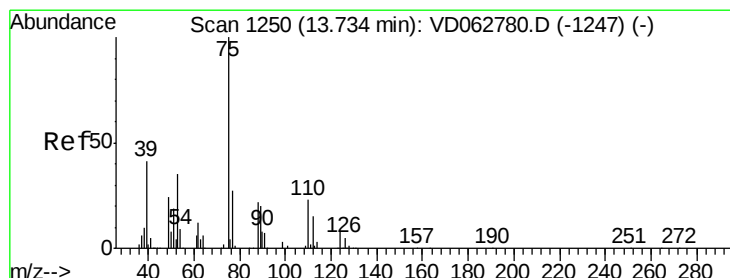
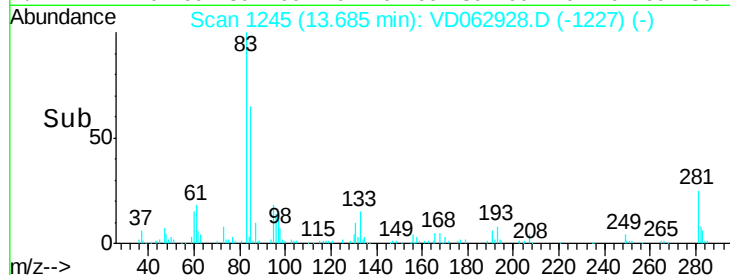
13.69

13.60

13.70

13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.423 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062928.D

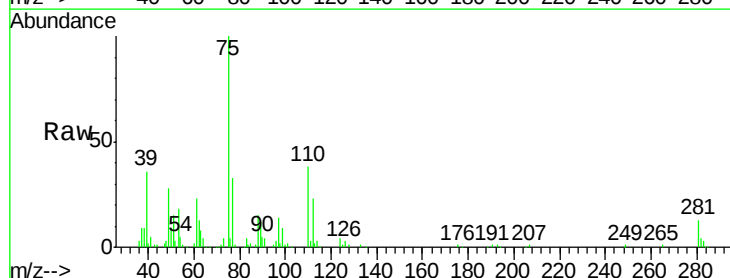
Acq: 27 Jun 2019 13:42

Tgt Ion: 75 Resp: 146706

Ion Ratio Lower Upper

75 100

77 33.0 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

150000

100000

50000

0

13.72

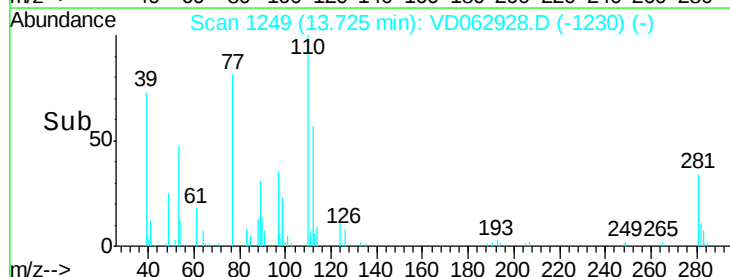
13.65

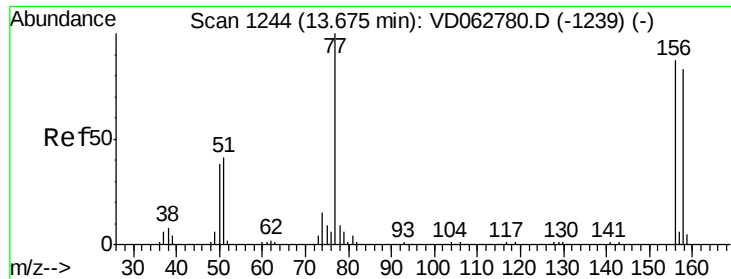
13.70

13.75

13.80

Time-->





#77

Bromobenzene

Concen: 20.739 ug/l

RT: 13.66 min Scan# 1242

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

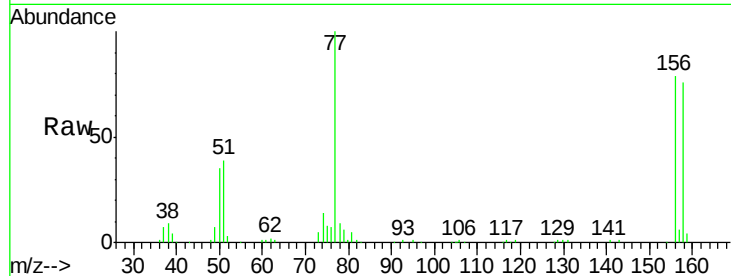
Tot Ion:156 Resp: 194051

Ion Ratio Lower Upper

156 100

77 126.2 57.7 173.1

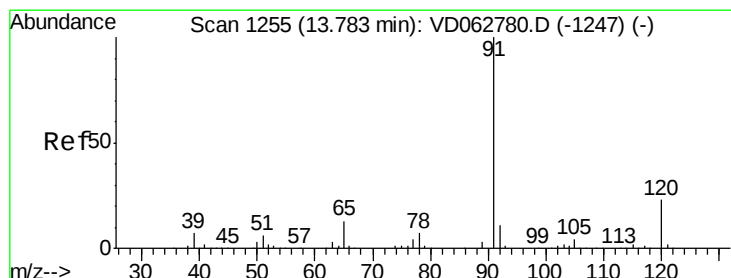
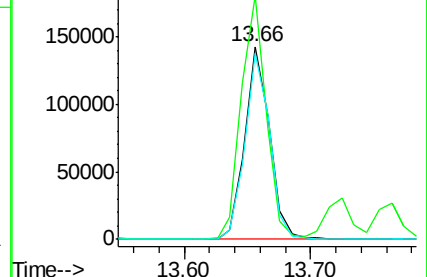
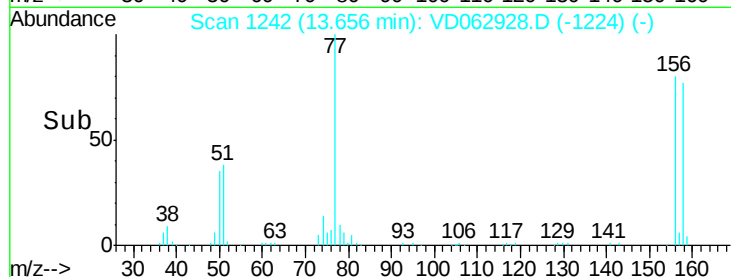
158 96.3 47.7 143.1



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: 21.071 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062928.D

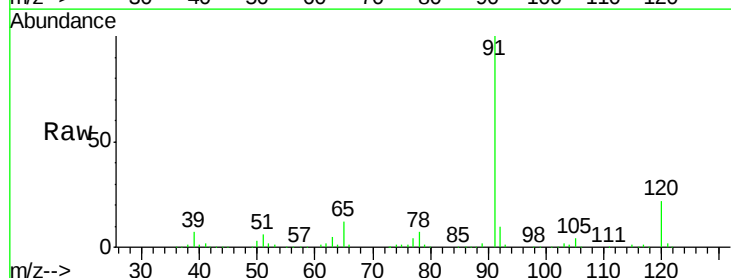
Acq: 27 Jun 2019 13:42

Tgt Ion: 91 Resp: 853134

Ion Ratio Lower Upper

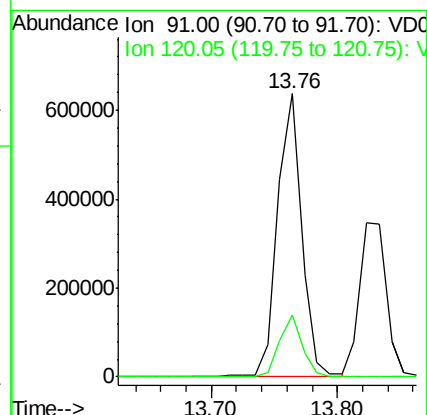
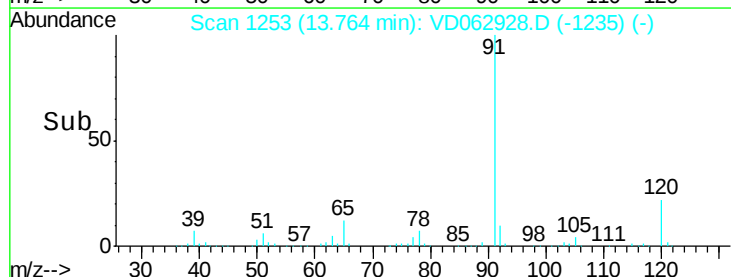
91 100

120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

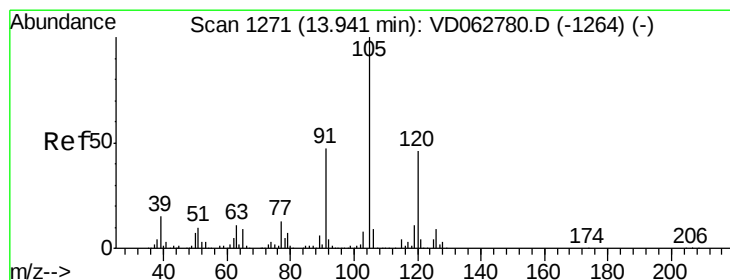
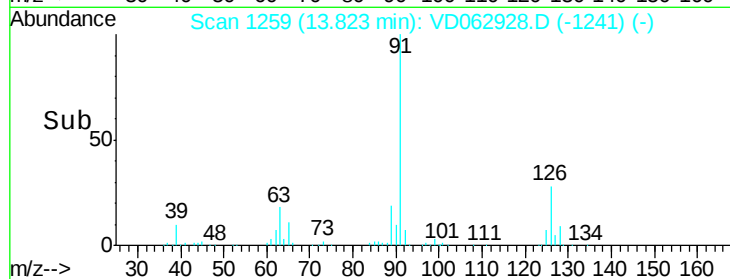
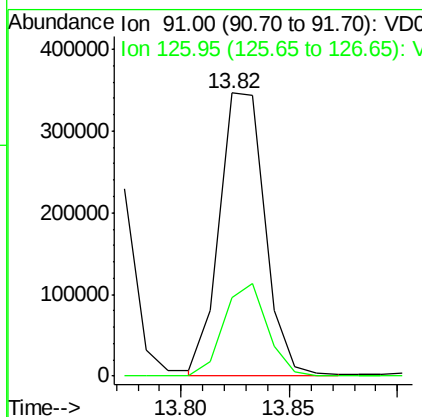
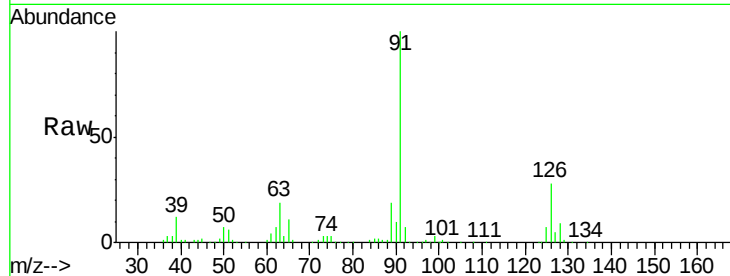




#79
2-Chlorotoluene
Concen: 22.050 ug/l
RT: 13.82 min Scan# 1259
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

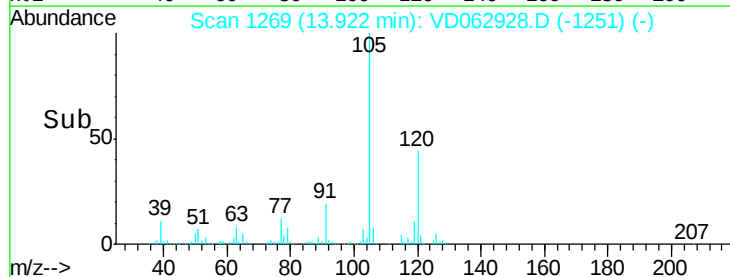
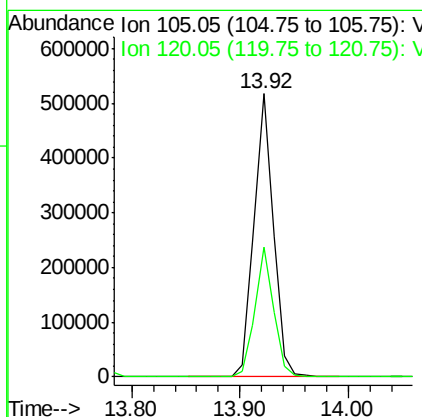
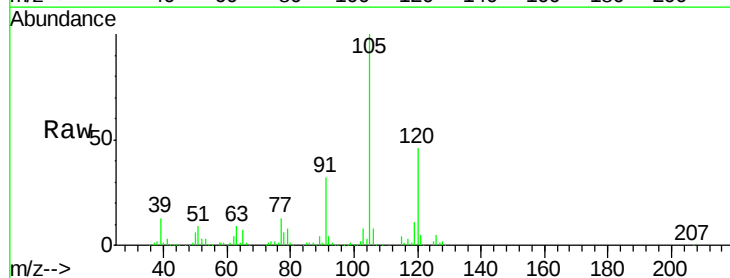
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

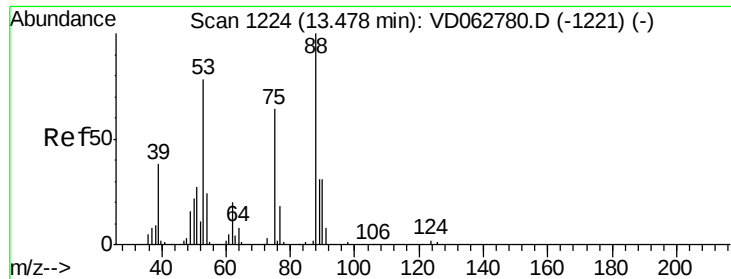
Tot Ion: 91 Resp: 510210
Ion Ratio Lower Upper
91 100
126 27.8 15.7 47.1



#80
1,3,5-Trimethylbenzene
Concen: 22.123 ug/l
RT: 13.92 min Scan# 1269
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 105 Resp: 646439
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 24.454 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS02

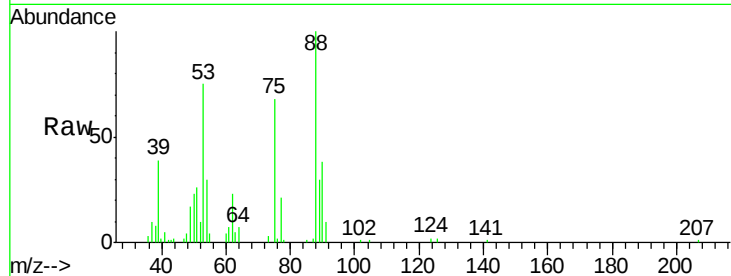
Tot Ion: 75 Resp: 40141

Ion Ratio Lower Upper

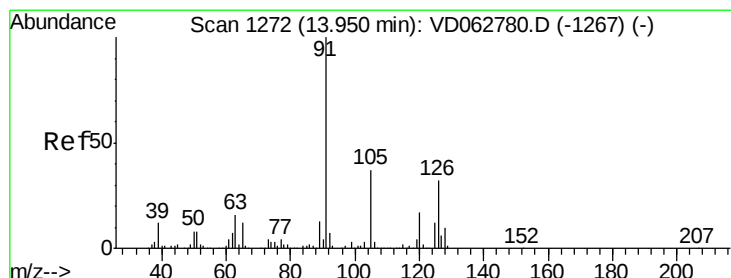
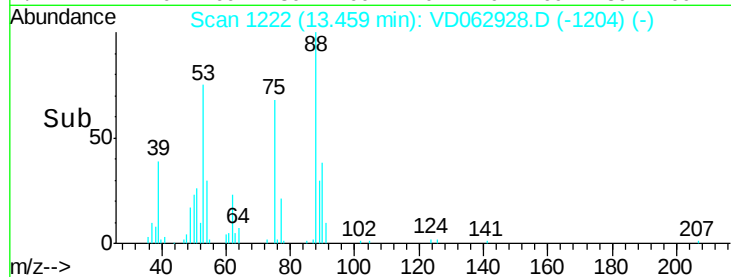
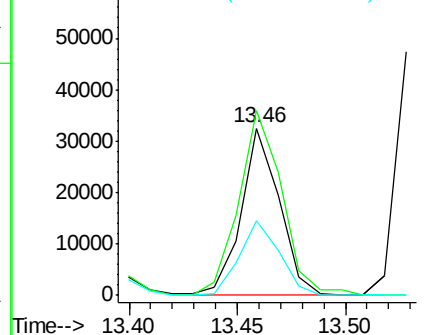
75 100

53 110.7 97.8 146.8

89 44.4 39.4 59.2



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



#82

4-Chlorotoluene

Concen: 22.750 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062928.D

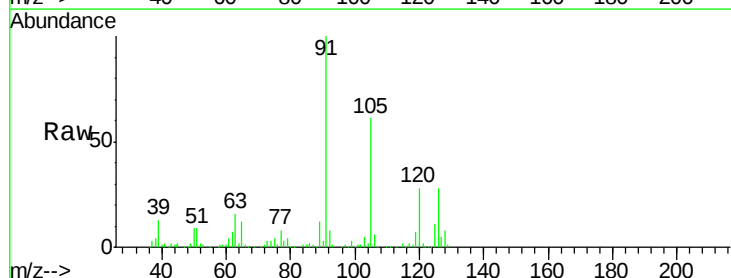
Acq: 27 Jun 2019 13:42

Tgt Ion: 91 Resp: 633750

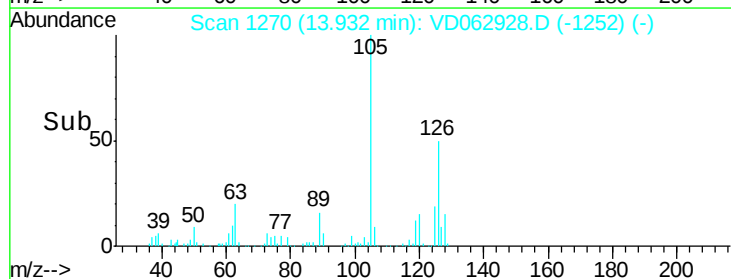
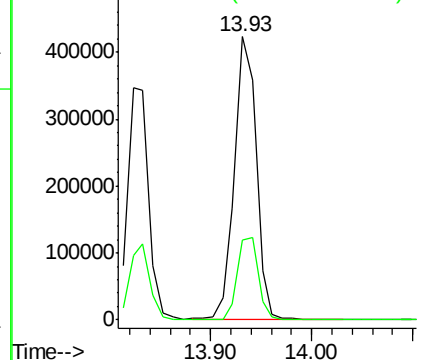
Ion Ratio Lower Upper

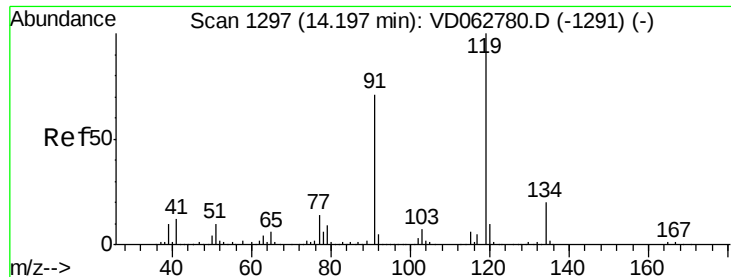
91 100

126 28.1 16.0 47.9



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

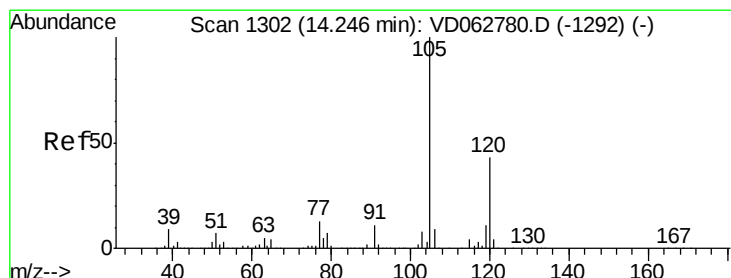
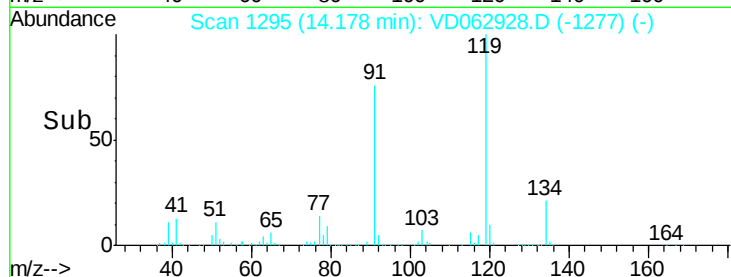
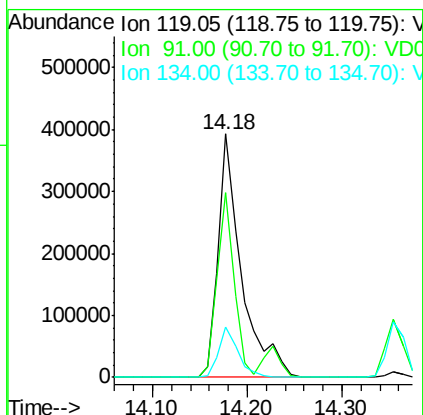
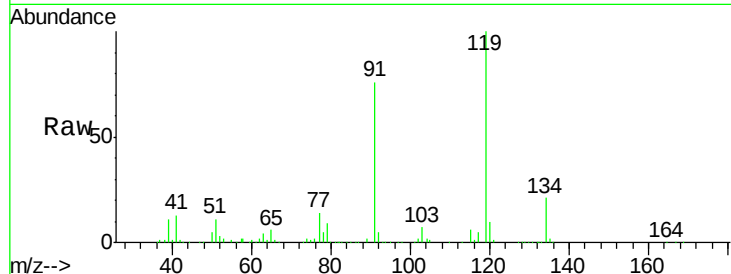




#83
tert-Butylbenzene
Concen: 20.658 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

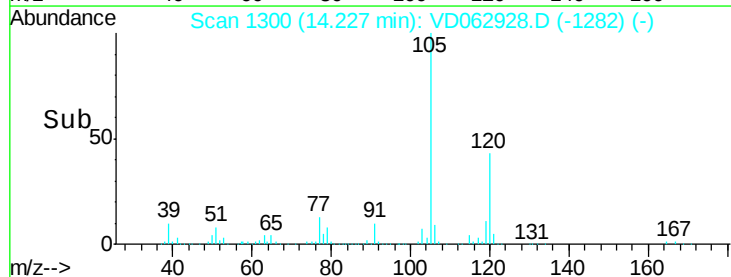
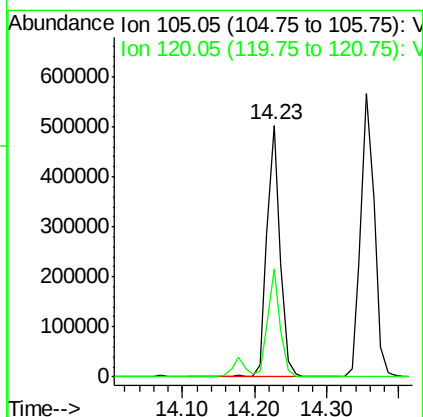
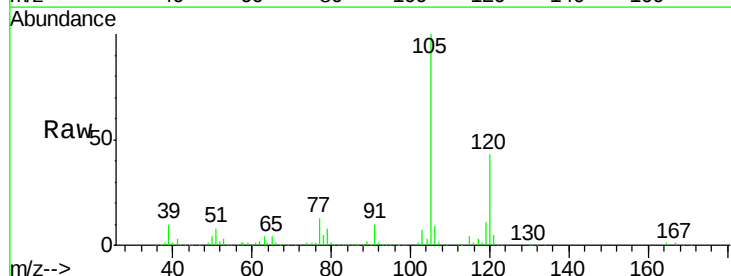
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

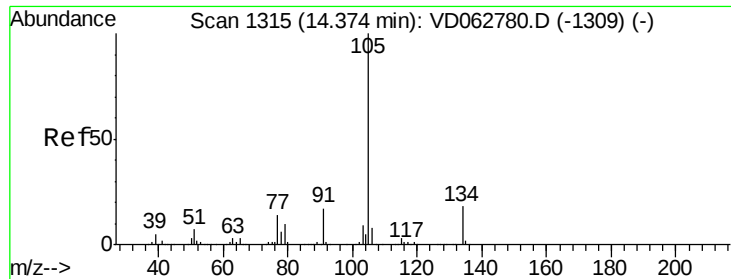
Tot Ion:119 Resp: 672813
Ion Ratio Lower Upper
119 100
91 75.9 35.5 106.5
134 20.6 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 21.472 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion:105 Resp: 643072
Ion Ratio Lower Upper
105 100
120 42.8 21.3 63.9

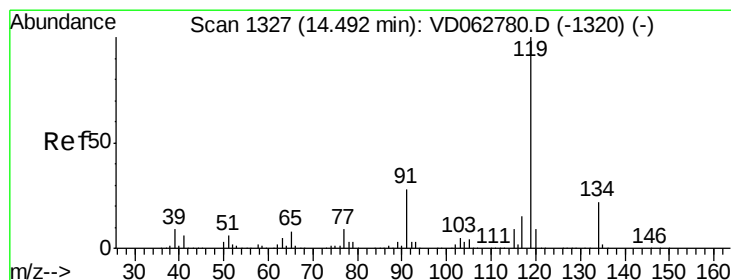
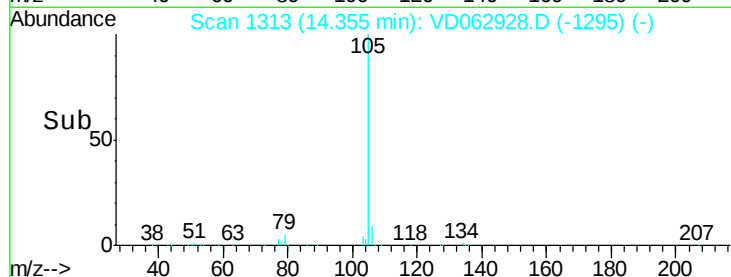
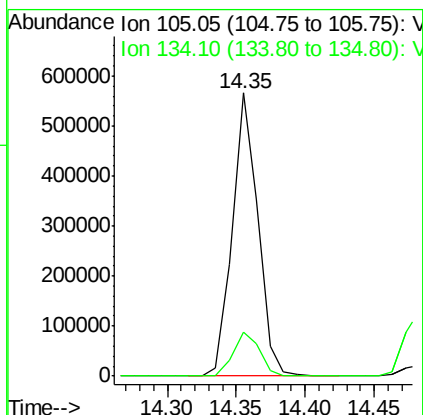
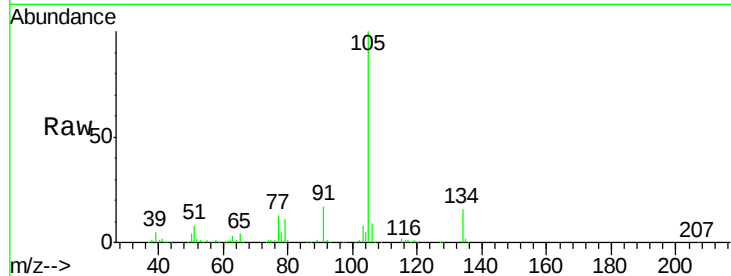




#85
 sec-Butylbenzene
 Concen: 20.564 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

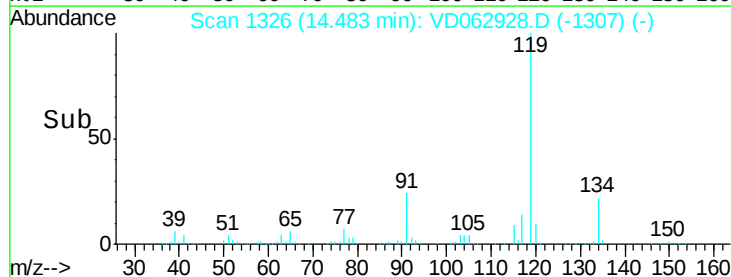
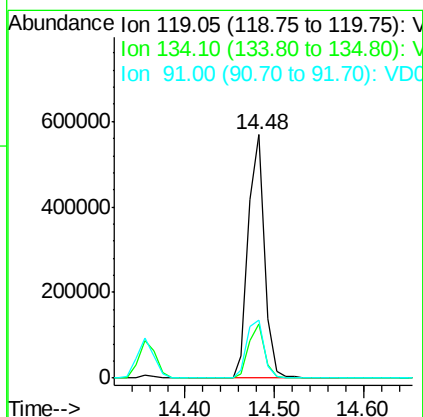
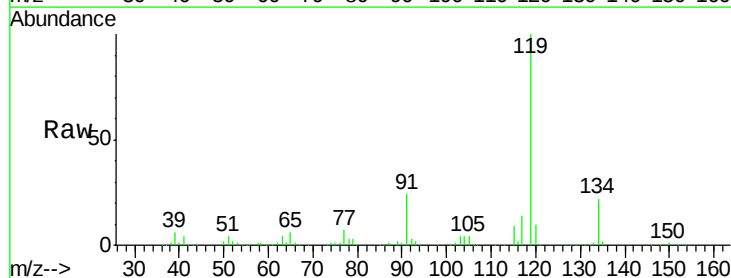
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

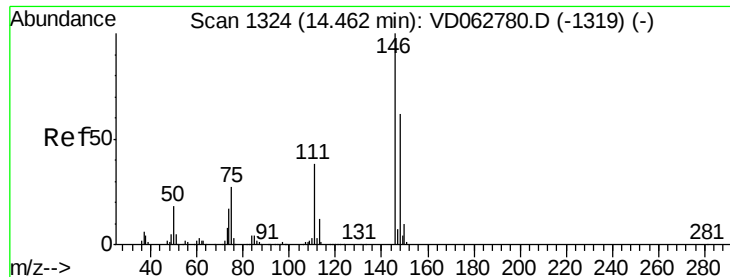
Tot Ion:105 Resp: 727942
 Ion Ratio Lower Upper
 105 100
 134 15.7 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 22.072 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion:119 Resp: 714792
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.1 33.1
 91 23.7 14.0 41.9

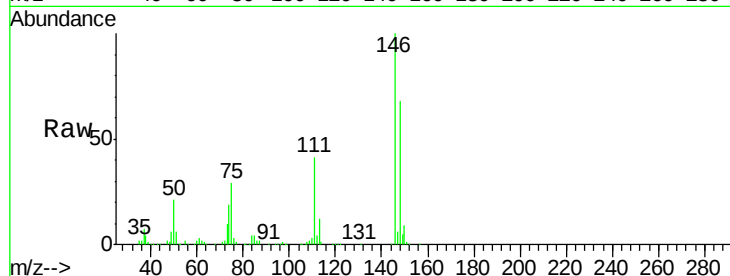




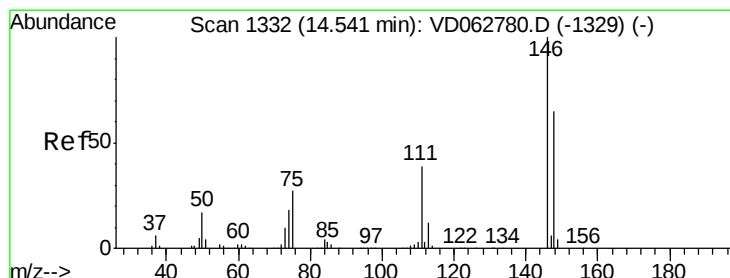
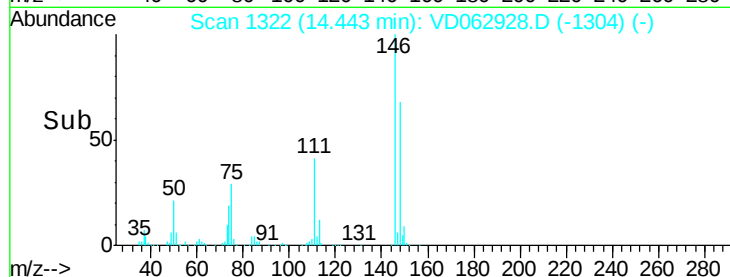
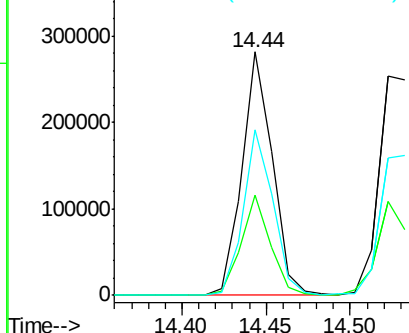
#87
 1,3-Dichlorobenzene
 Concen: 21.005 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

Tot Ion:146 Resp: 352301
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.0 57.0
 148 68.2 30.8 92.3

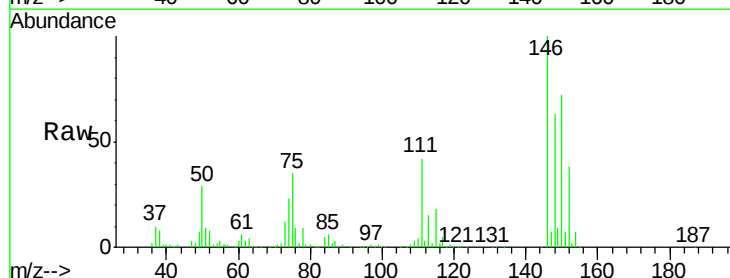


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

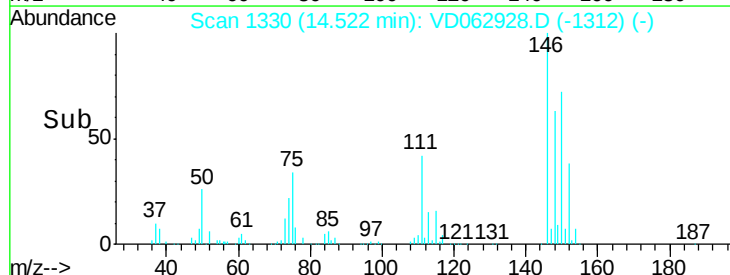
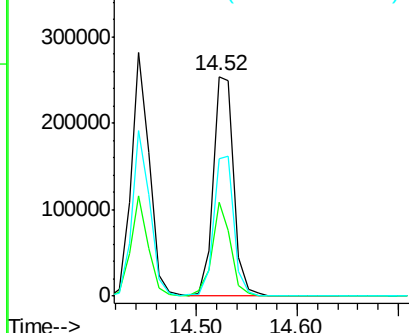


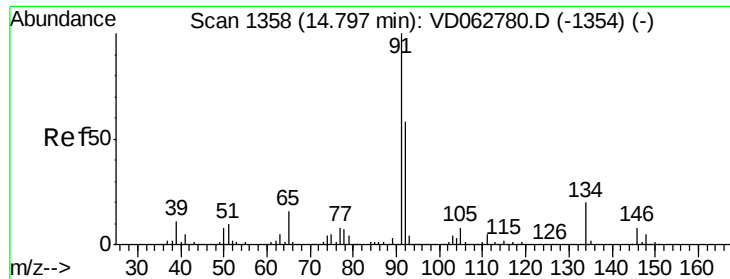
#88
 1,4-Dichlorobenzene
 Concen: 21.717 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion:146 Resp: 365852
 Ion Ratio Lower Upper
 146 100
 111 42.5 19.7 59.1
 148 62.5 32.8 98.3



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

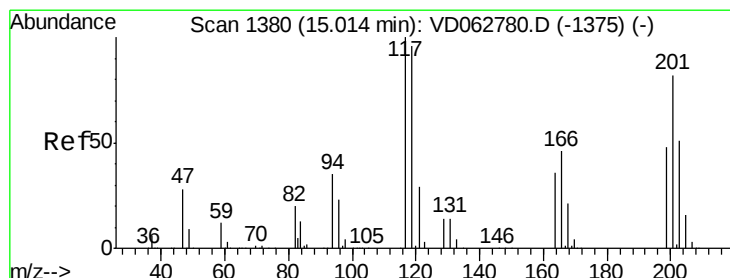
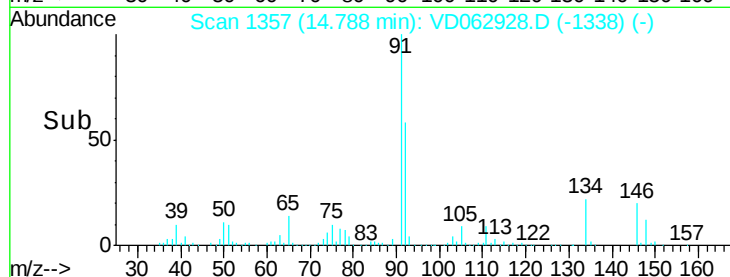
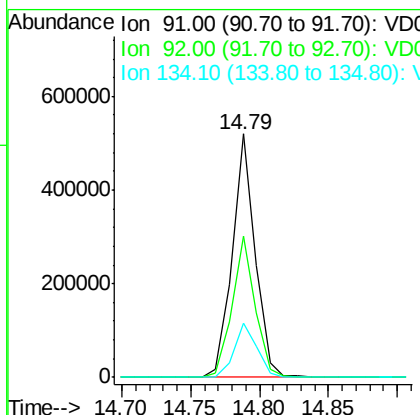
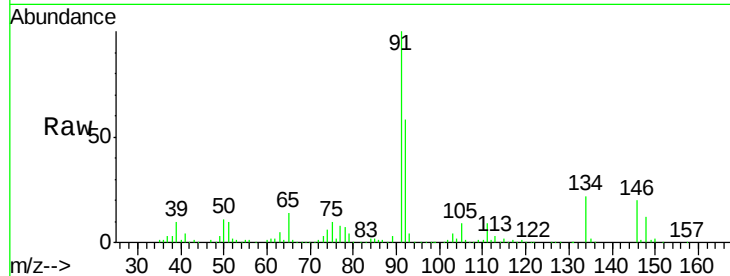




#89
n-Butylbenzene
Concen: 19.741 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

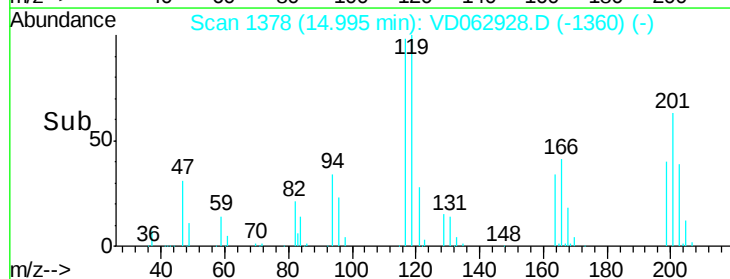
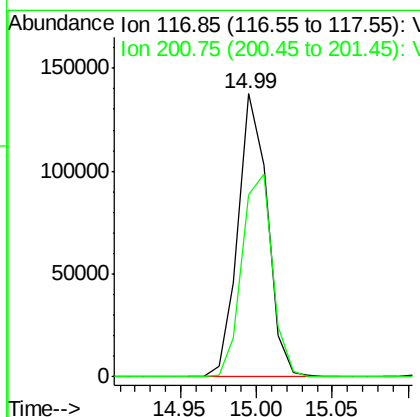
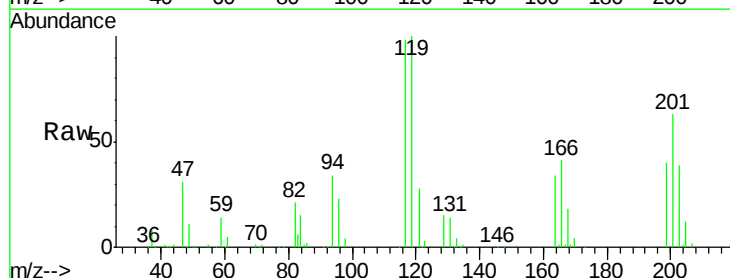
Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

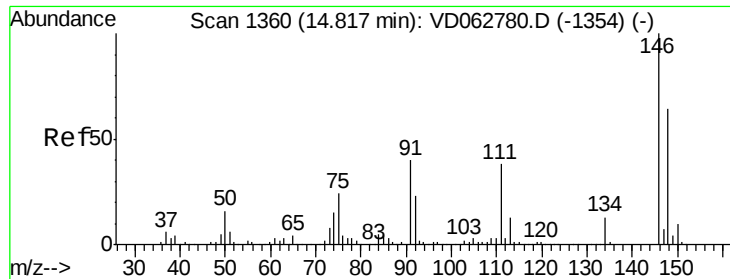
Tot Ion: 91 Resp: 598356
Ion Ratio Lower Upper
91 100
92 57.8 28.9 86.7
134 22.5 10.1 30.3



#90
Hexachloroethane
Concen: 21.317 ug/l
RT: 14.99 min Scan# 1378
Delta R.T. -0.02 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion: 117 Resp: 185612
Ion Ratio Lower Upper
117 100
201 64.2 40.8 122.2

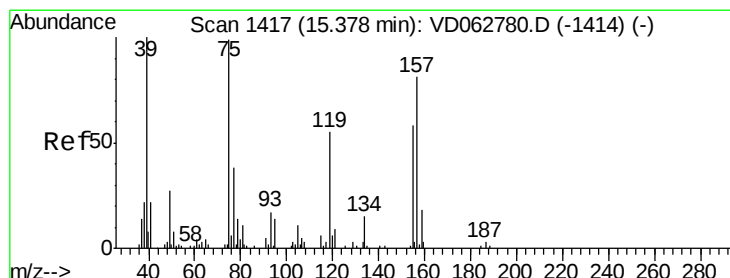
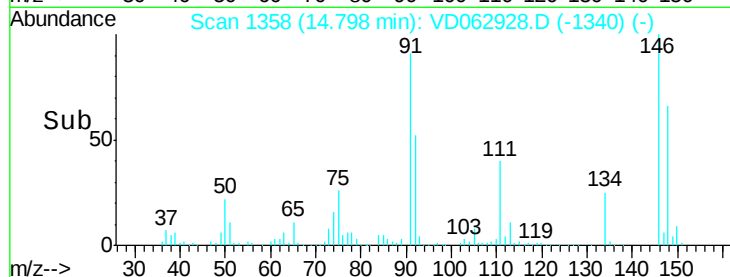
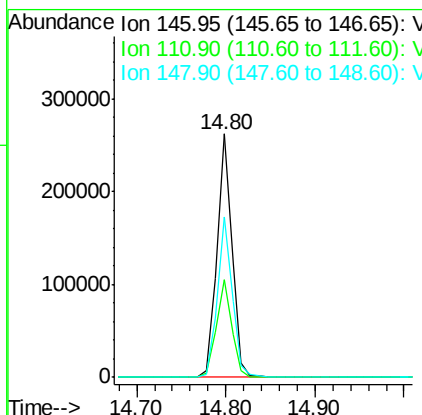
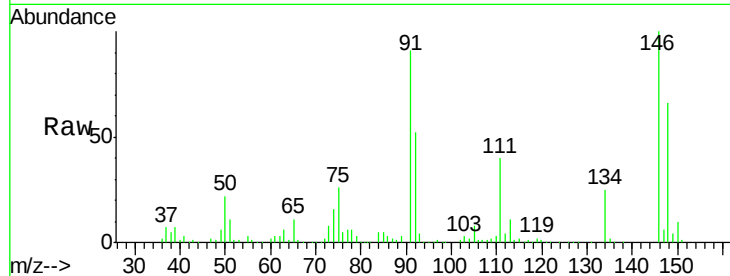




#91
 1,2-Dichlorobenzene
 Concen: 21.540 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

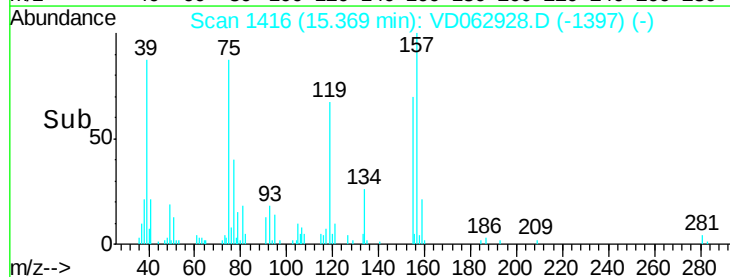
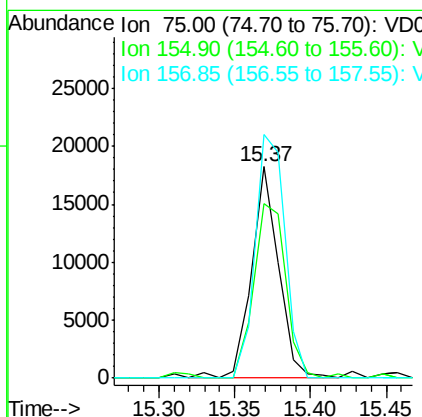
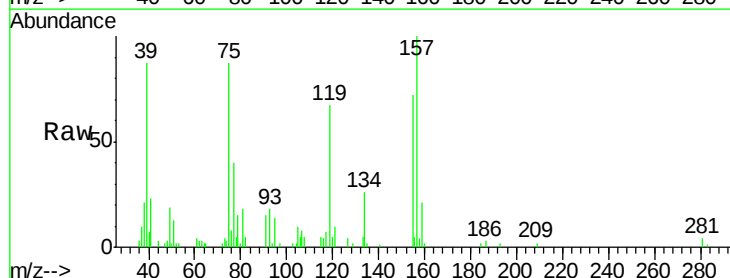
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

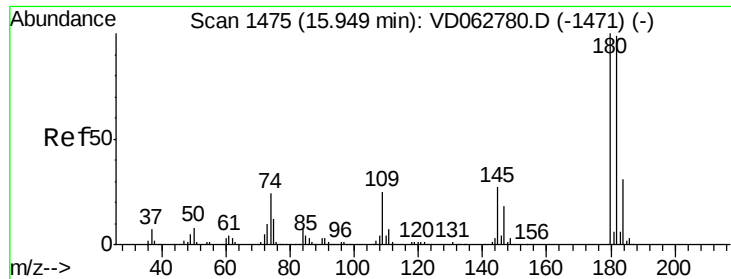
Tot Ion:146 Resp: 309096
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.1 57.1
 148 65.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.603 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion: 75 Resp: 22792
 Ion Ratio Lower Upper
 75 100
 155 82.9 29.3 87.8
 157 115.4 41.3 123.7

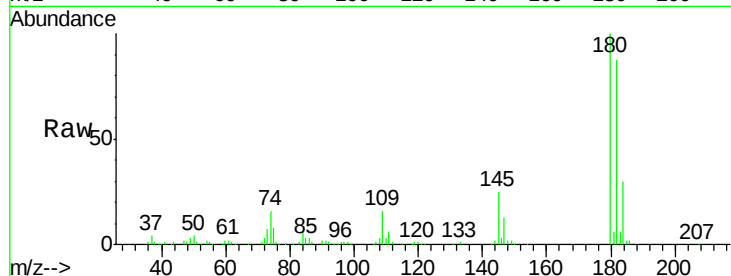




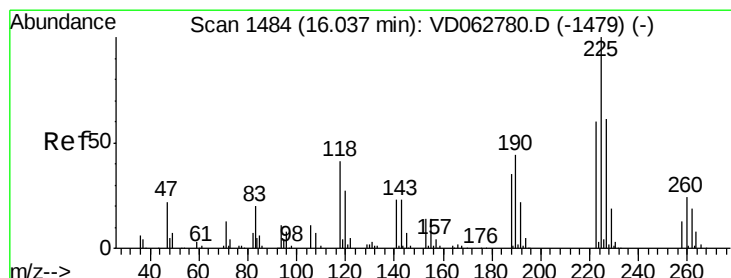
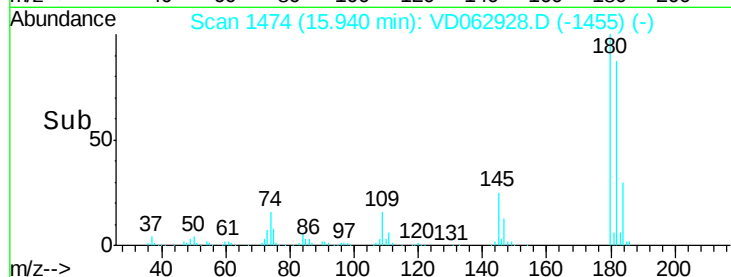
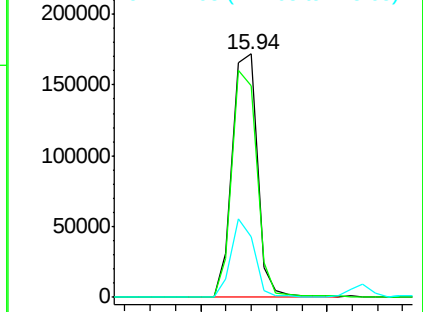
#93
 1,2,4-Trichlorobenzene
 Concen: 21.128 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

Tot Ion:180 Resp: 236843
 Ion Ratio Lower Upper
 180 100
 182 87.1 49.5 148.5
 145 24.9 13.7 41.0

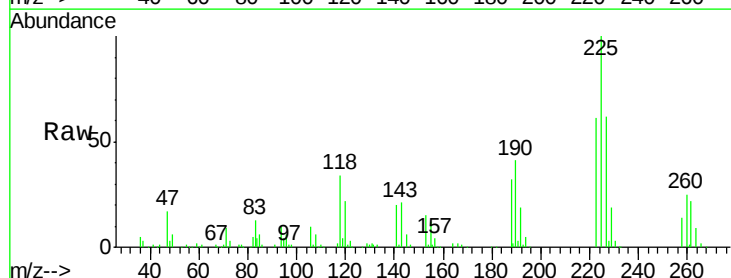


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

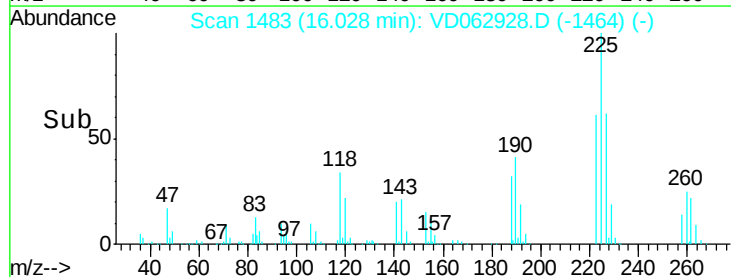
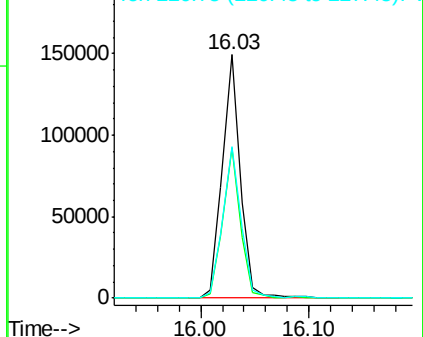


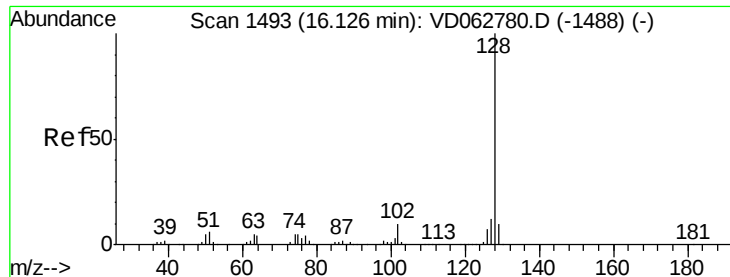
#94
 Hexachlorobutadiene
 Concen: 20.326 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062928.D
 Acq: 27 Jun 2019 13:42

Tgt Ion:225 Resp: 174072
 Ion Ratio Lower Upper
 225 100
 223 61.4 29.8 89.5
 227 62.2 30.6 91.6



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

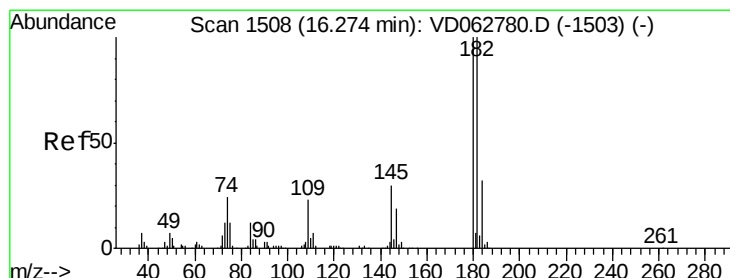
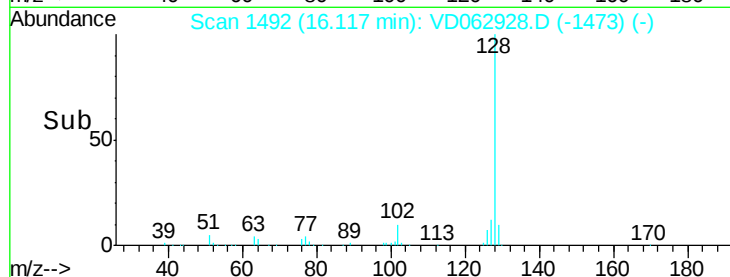
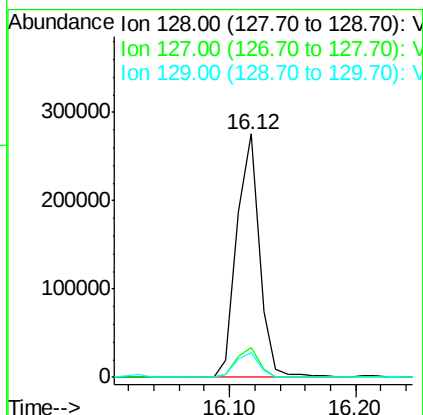
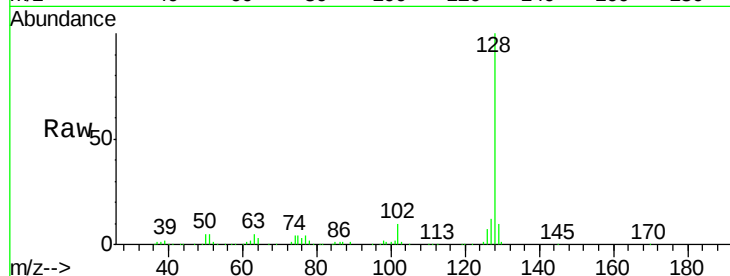




#95
Naphthalene
Concen: 21.698 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS02

Tot Ion:128 Resp: 340913
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 10.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 22.995 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062928.D
Acq: 27 Jun 2019 13:42

Tgt Ion:180 Resp: 198057
Ion Ratio Lower Upper
180 100
182 100.3 49.9 149.6
145 28.1 15.2 45.5

