

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062857.D
 Acq On : 25 Jun 2019 1:10
 Operator : VA/AP
 Sample : VD0624SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

Quant Time: Jun 25 05:07:14 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	7.05	168	803599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1173303	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1010086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	543749	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	505408	57.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.72%		
35) Dibromofluoromethane	6.93	113	485578	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.16%		
50) Toluene-d8	10.42	98	1023619	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.08%		
62) 4-Bromofluorobenzene	13.56	95	460791	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	203918	19.610	ug/l	99
3) Chloromethane	1.74	50	162312	20.754	ug/l	97
4) Vinyl Chloride	1.84	62	143027	18.445	ug/l	90
5) Bromomethane	2.14	94	54425	14.988	ug/l	95
6) Chloroethane	2.26	64	63786	18.170	ug/l #	76
7) Trichlorofluoromethane	2.52	101	283341	18.056	ug/l	98
8) Diethyl Ether	2.87	74	44847	22.492	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	162331	19.094	ug/l #	86
10) Methyl Iodide	3.30	142	205904	18.358	ug/l	96
11) Tert butyl alcohol	4.09	59	41853	105.203	ug/l	98
12) 1,1-Dichloroethene	3.12	96	119672	18.764	ug/l	91
13) Acrolein	3.02	56	28832	70.990	ug/l	84
14) Allyl chloride	3.61	41	197275	20.934	ug/l	95
15) Acrylonitrile	4.20	53	106118	113.520	ug/l	91
16) Acetone	3.22	43	178799	96.646	ug/l	97
17) Carbon Disulfide	3.37	76	374396	18.368	ug/l	96
18) Methyl Acetate	3.64	43	85346	32.366	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	327716	23.737	ug/l	99
20) Methylene Chloride	3.81	84	149817	22.489	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	131207	19.321	ug/l	96
22) Diisopropyl ether	5.13	45	436781	22.791	ug/l #	93
23) Vinyl Acetate	5.05	43	1281375	106.852	ug/l	99
24) 1,1-Dichloroethane	4.98	63	253144	20.288	ug/l	98
25) 2-Butanone	6.08	43	194909	119.304	ug/l #	91
26) 2,2-Dichloropropane	6.02	77	236340	17.870	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	166886	23.239	ug/l	94
28) Bromochloromethane	6.44	49	100210	22.803	ug/l	100
29) Tetrahydrofuran	6.47	42	92604	119.803	ug/l	95
30) Chloroform	6.67	83	321615	21.194	ug/l	96
31) Cyclohexane	6.96	56	161570	19.697	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	313173	19.814	ug/l	94
36) 1,1-Dichloropropene	7.15	75	209819	18.891	ug/l	96
37) Ethyl Acetate	6.19	43	97237	20.184	ug/l	96
38) Carbon Tetrachloride	7.11	117	312691	18.719	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	168861	17.272	ug/l	93
40) Benzene	7.45	78	461801	20.713	ug/l	96
41) Methacrylonitrile	6.46	41	124835	21.312	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	263237	21.643	ug/l	97
43) Isopropyl Acetate	9.25	43	130945	22.488	ug/l #	99
44) Trichloroethene	8.55	130	172857	19.776	ug/l	79
45) 1,2-Dichloropropane	8.94	63	111019	20.026	ug/l	98
46) Dibromomethane	9.07	93	93947	19.728	ug/l #	84
47) Bromodichloromethane	9.38	83	248098	20.060	ug/l	99
48) Methyl methacrylate	9.13	41	82562	19.952	ug/l	91
49) 1,4-Dioxane	9.09	88	17579	510.620	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	466261	112.938	ug/l	97
52) Toluene	10.52	92	288867	19.275	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	212547	20.996	ug/l	91
54) cis-1,3-Dichloropropene	10.04	75	228401	20.758	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	114518	22.241	ug/l	96
56) Ethyl methacrylate	11.05	69	127765	23.219	ug/l	92
57) 1,3-Dichloropropane	11.41	76	165518	20.995	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	310757	110.005	ug/l	93
59) 2-Hexanone	11.54	43	327030	111.225	ug/l	96
60) Dibromochloromethane	11.69	129	206715	21.554	ug/l	93
61) 1,2-Dibromoethane	11.81	107	132298	21.756	ug/l	95
64) Tetrachloroethene	11.26	164	177631	21.367	ug/l	98
65) Chlorobenzene	12.41	112	354466	18.909	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	172687	19.698	ug/l	93
67) Ethyl Benzene	12.52	91	639928	19.013	ug/l	97
68) m/p-Xylenes	12.67	106	450848	38.461	ug/l	97
69) o-Xylene	13.06	106	211209	19.710	ug/l	96
70) Styrene	13.07	104	358820	19.064	ug/l	94
71) Bromoform	13.23	173	119904	19.962	ug/l #	87
73) Isopropylbenzene	13.41	105	657764	18.866	ug/l	95
74) N-amyl acetate	13.27	43	174721	20.636	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	118733	20.902	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	126736	20.190	ug/l	93
77) Bromobenzene	13.68	156	175511	18.716	ug/l	95
78) n-propylbenzene	13.77	91	747480	18.421	ug/l	97
79) 2-Chlorotoluene	13.84	91	471979	20.353	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	495934	16.935	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	31348	19.055	ug/l	97
82) 4-Chlorotoluene	13.95	91	481493	17.246	ug/l	98
83) tert-Butylbenzene	14.20	119	619939	18.992	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	566703	18.880	ug/l	97
85) sec-Butylbenzene	14.36	105	645782	18.203	ug/l	96
86) p-Isopropyltoluene	14.49	119	596258	18.371	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	318110	18.924	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	316261	18.732	ug/l	96
89) n-Butylbenzene	14.80	91	542381	17.854	ug/l	97
90) Hexachloroethane	15.01	117	148957	17.069	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	301401	20.957	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24304	21.921	ug/l	91

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

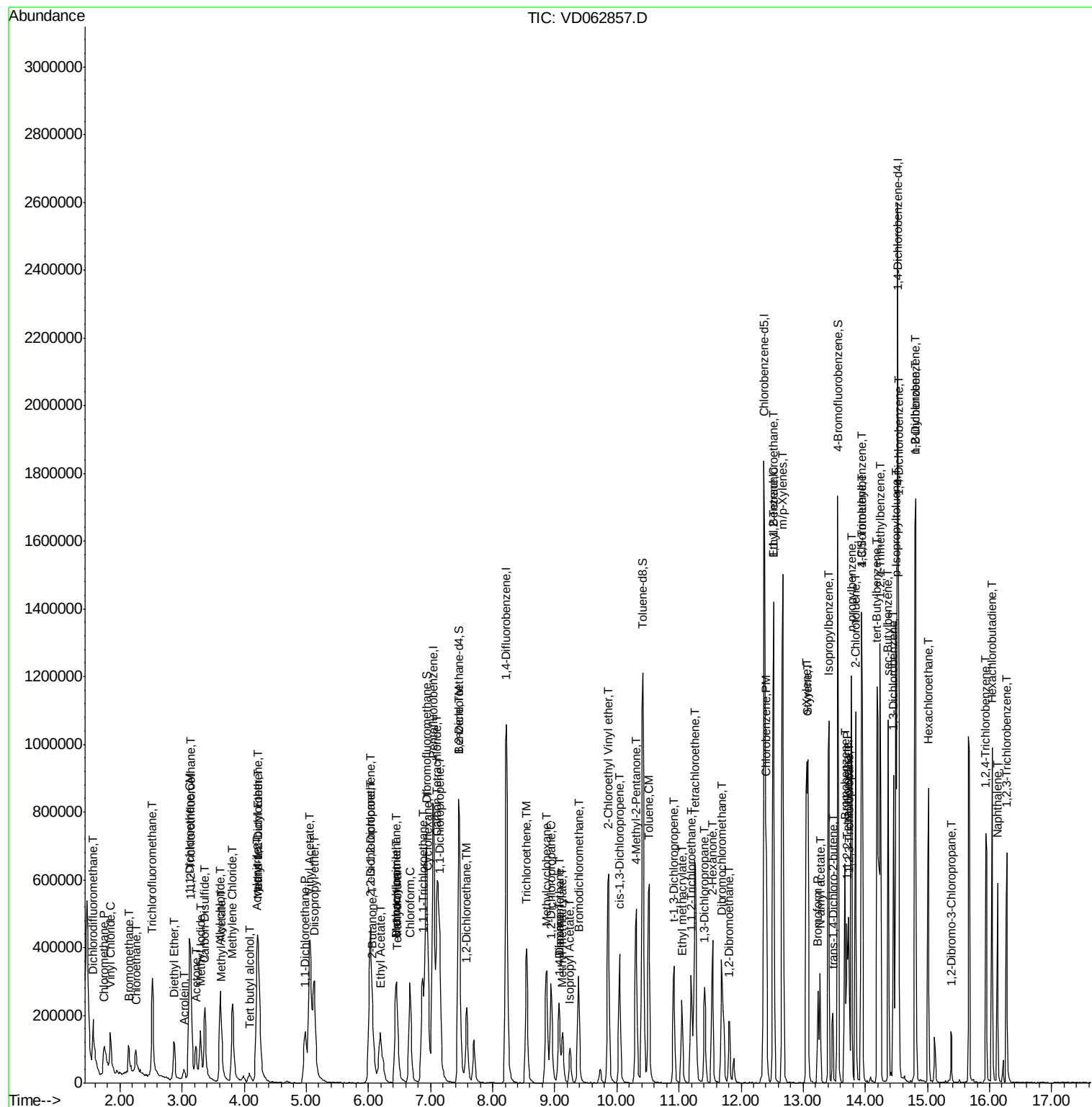
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	207205	18.443	ug/l	98
94) Hexachlorobutadiene	16.04	225	152757	17.798	ug/l	99
95) Naphthalene	16.13	128	335594	21.312	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	174789	20.249	ug/l	98

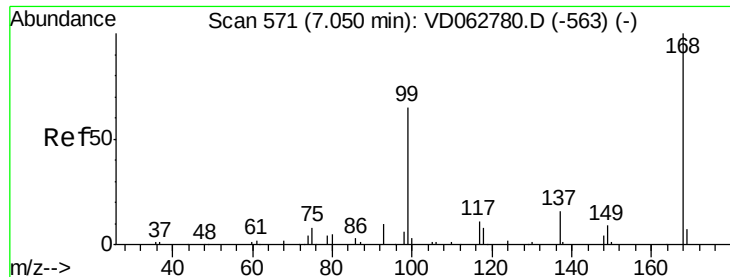
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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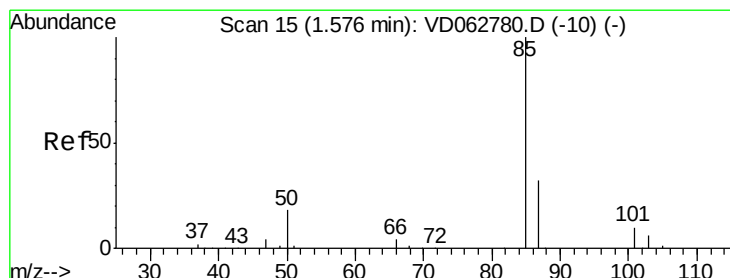
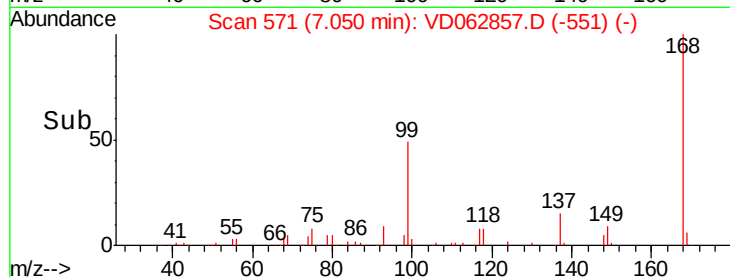
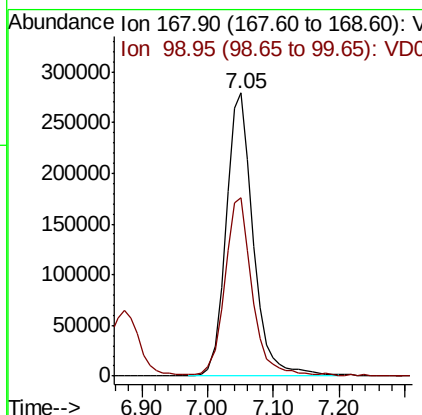
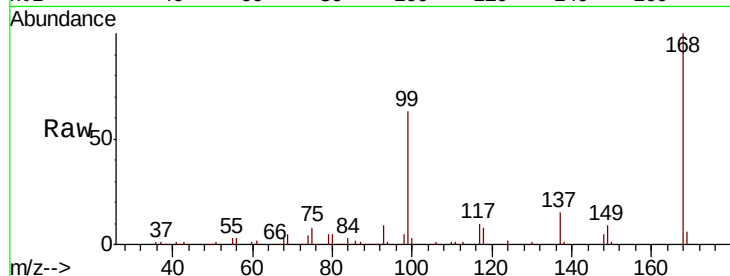




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

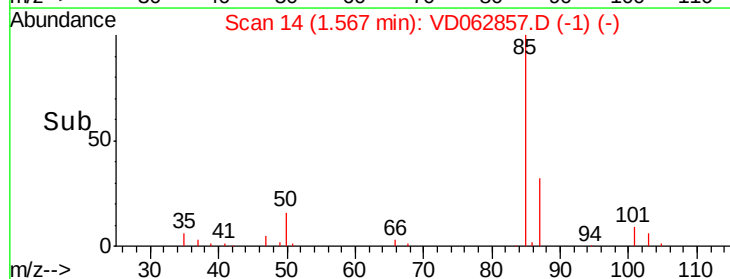
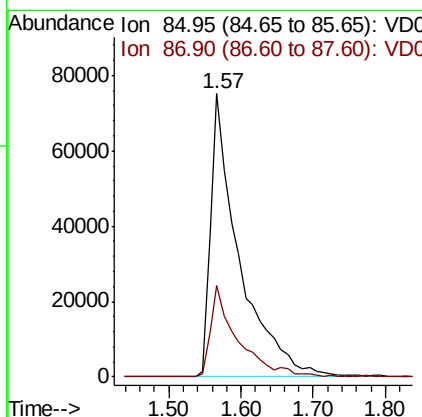
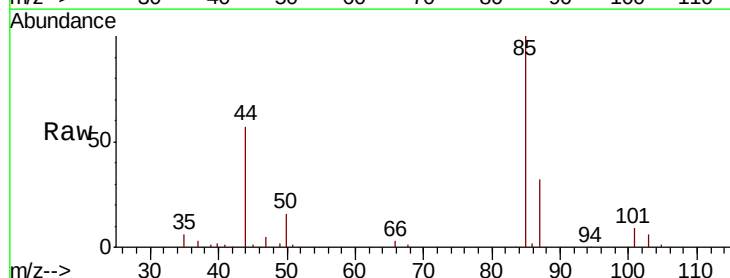
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

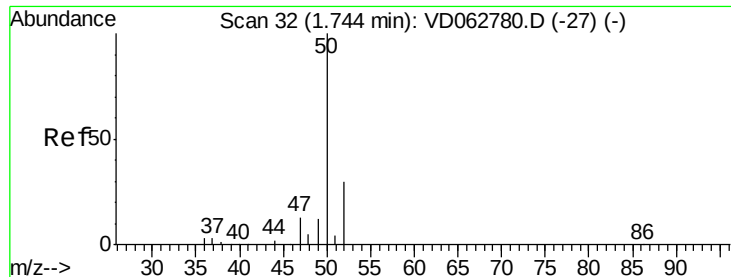
Tot Ion:168 Resp: 803599
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 19.610 ug/l
RT: 1.57 min Scan# 14
Delta R.T. -0.01 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion: 85 Resp: 203918
Ion Ratio Lower Upper
85 100
87 32.3 15.9 47.6





#3

Chloromethane

Concen: 20.754 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

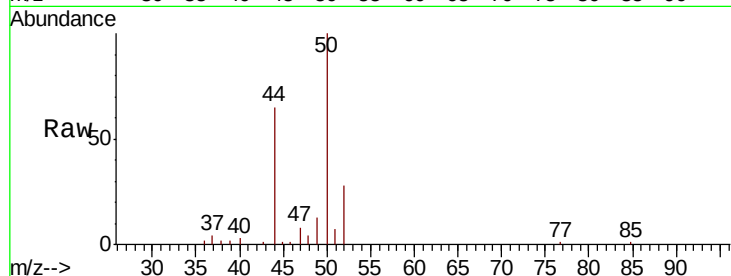
VD0624SBS02

Tot Ion: 50 Resp: 162312

Ion Ratio Lower Upper

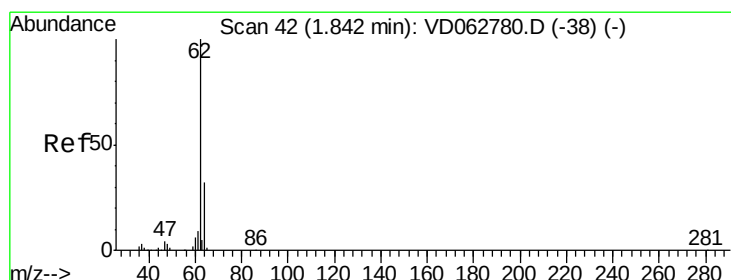
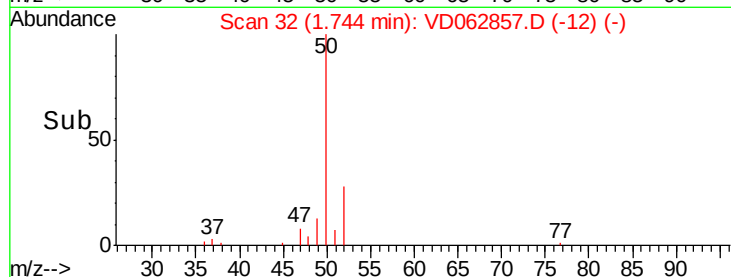
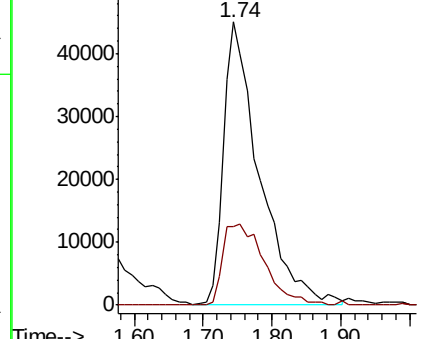
50 100

52 27.6 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.445 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062857.D

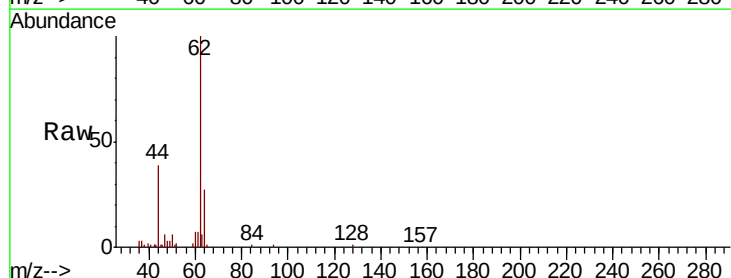
Acq: 25 Jun 2019 1:10

Tgt Ion: 62 Resp: 143027

Ion Ratio Lower Upper

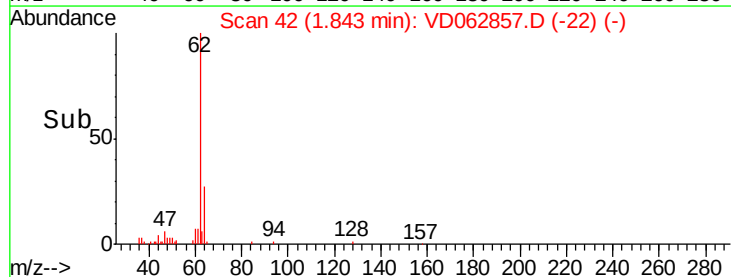
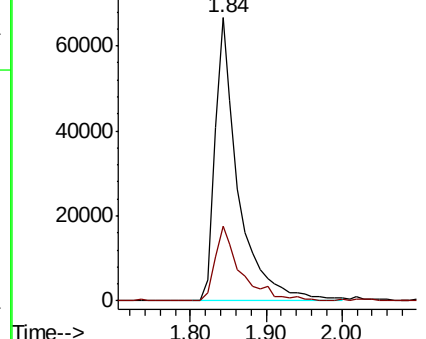
62 100

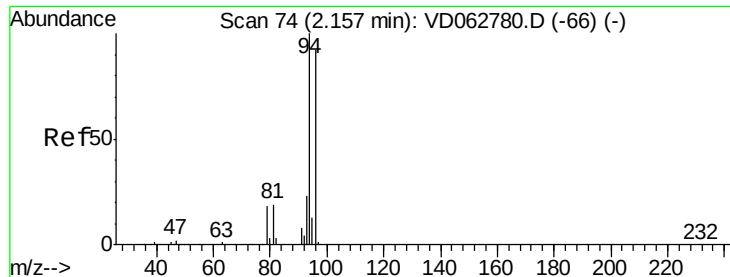
64 26.6 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.988 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

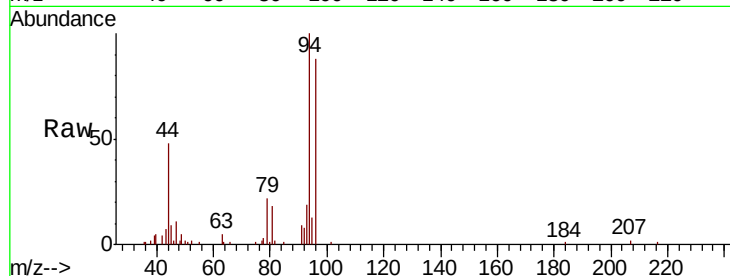
Tot Ion: 94 Resp: 54425

Ion Ratio Lower Upper

94 100

96 88.0 73.4 110.2

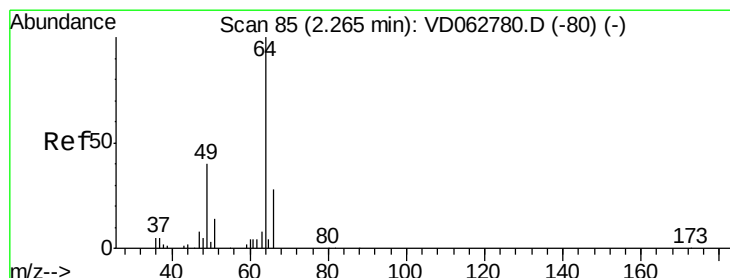
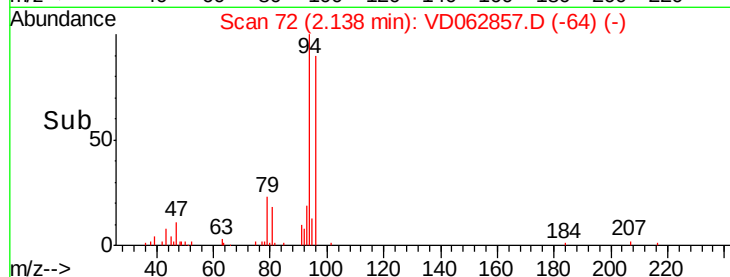
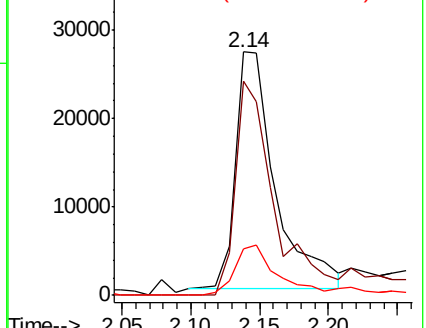
93 19.0 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.170 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062857.D

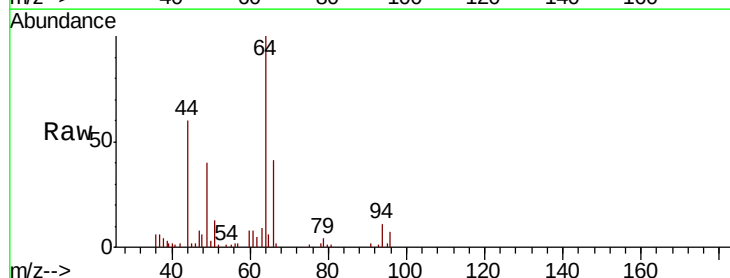
Acq: 25 Jun 2019 1:10

Tgt Ion: 64 Resp: 63786

Ion Ratio Lower Upper

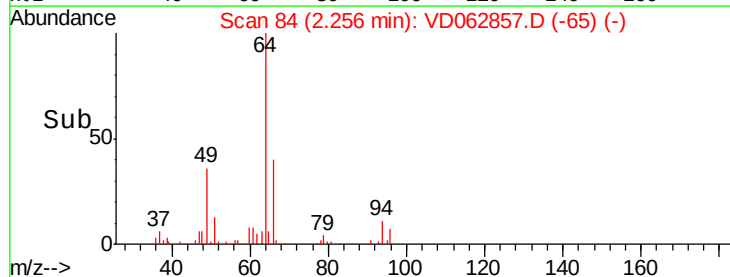
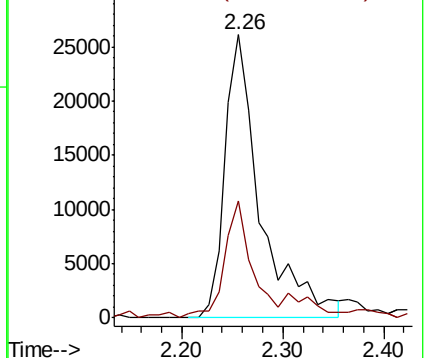
64 100

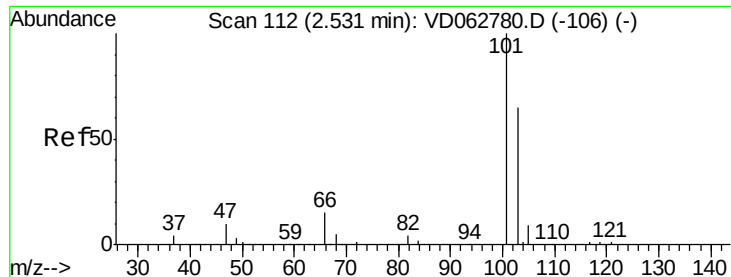
66 41.3 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



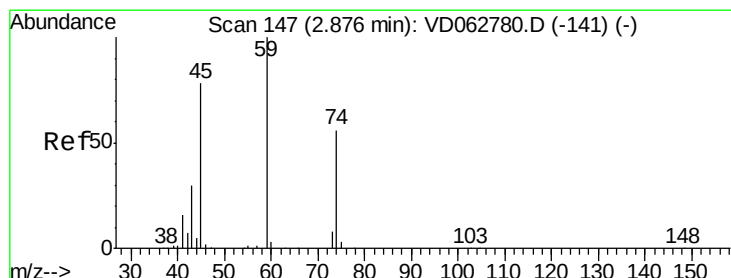
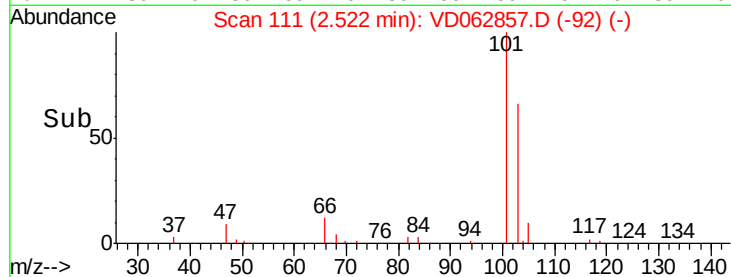
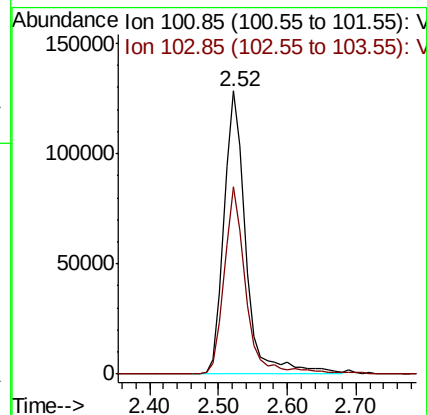
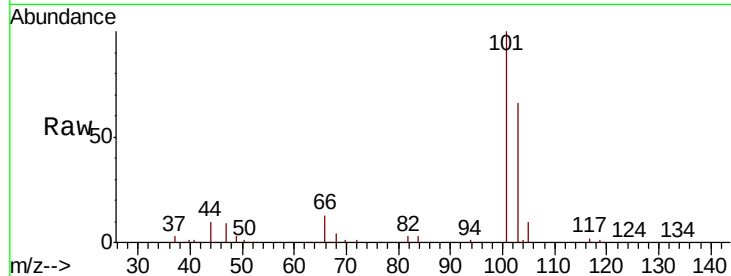


#7

Trichlorofluoromethane
 Concen: 18.056 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

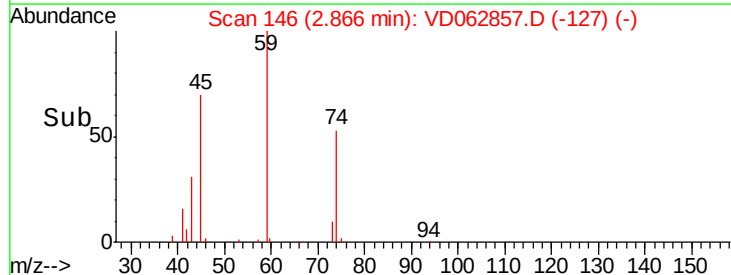
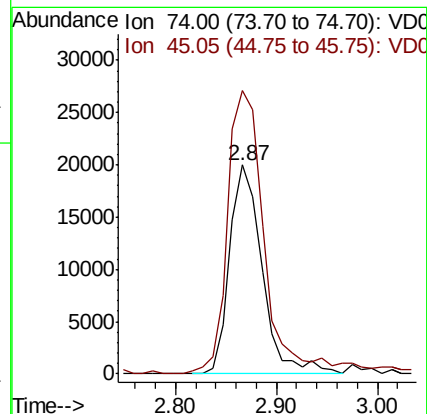
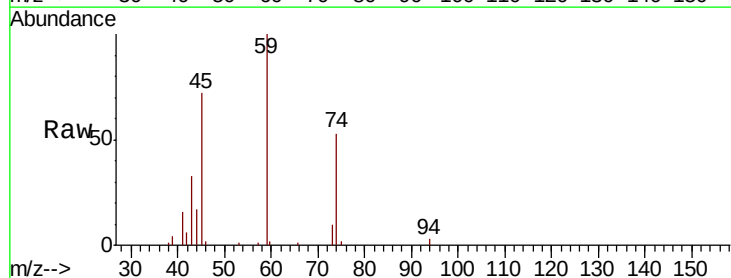
Tot Ion:101 Resp: 283341
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.8 77.8

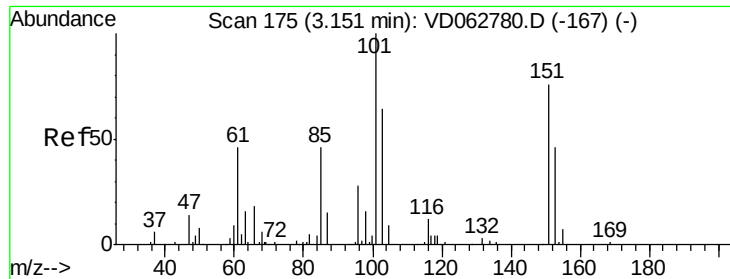


#8

Diethyl Ether
 Concen: 22.492 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 74 Resp: 44847
 Ion Ratio Lower Upper
 74 100
 45 135.6 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.094 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

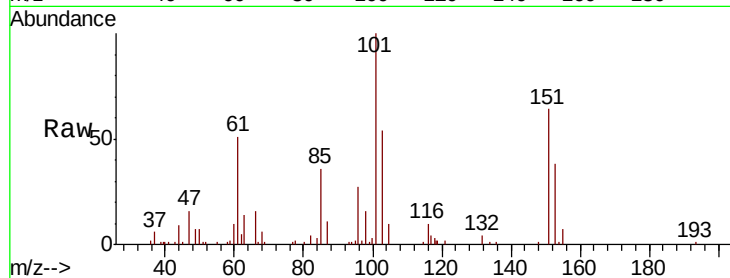
Tot Ion:101 Resp: 162331

Ion Ratio Lower Upper

101 100

85 36.4 37.0 55.4#

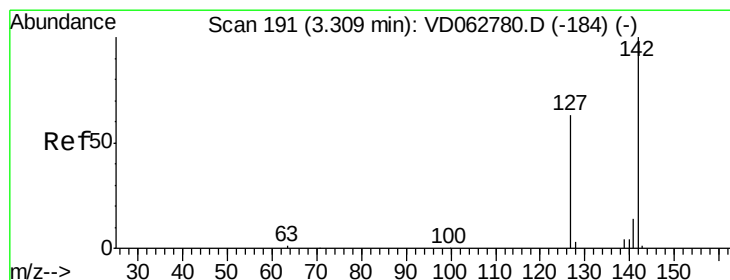
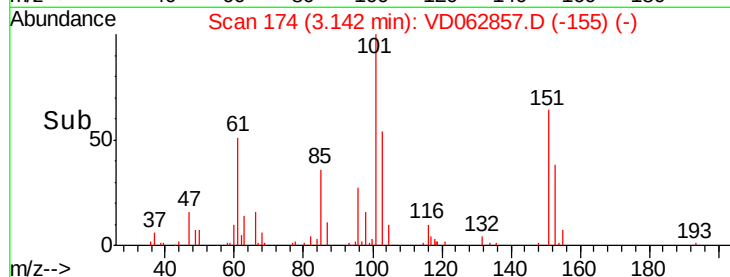
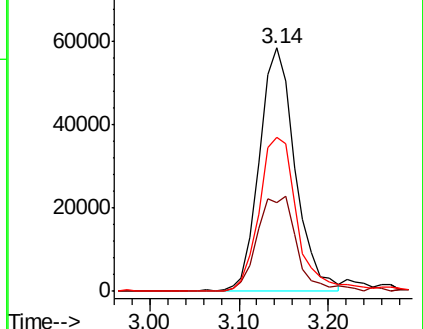
151 63.5 60.5 90.7



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: 18.358 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

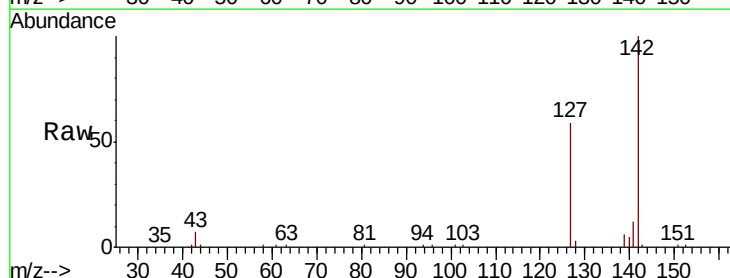
Tgt Ion:142 Resp: 205904

Ion Ratio Lower Upper

142 100

127 59.3 50.1 75.1

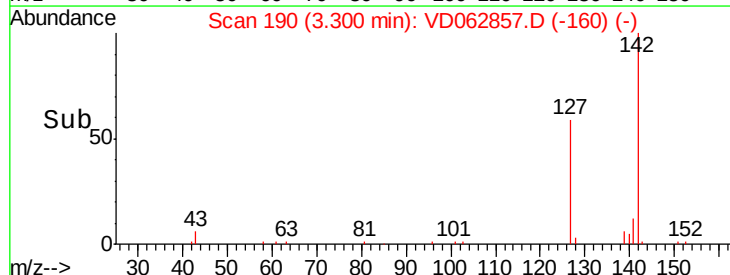
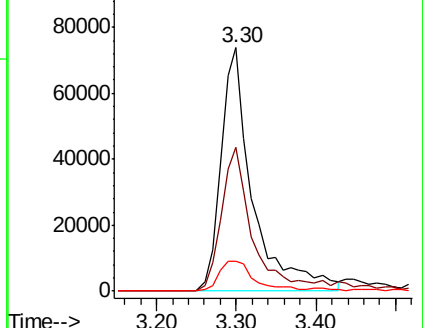
141 12.5 11.0 16.4

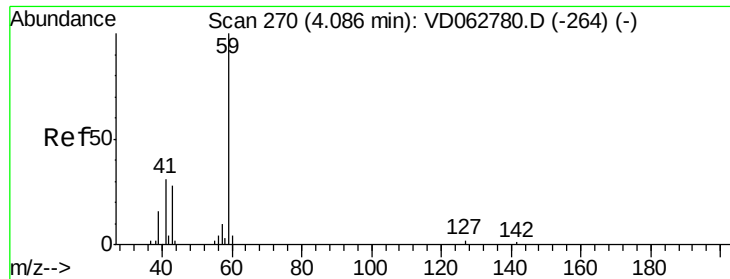


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

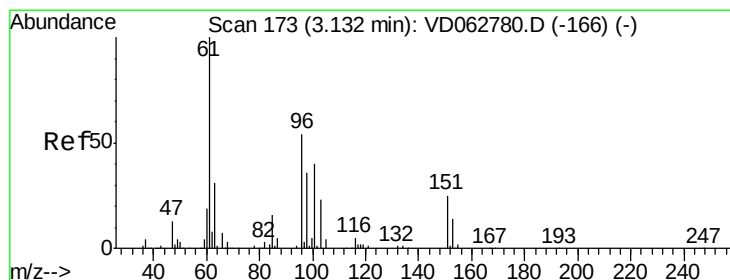
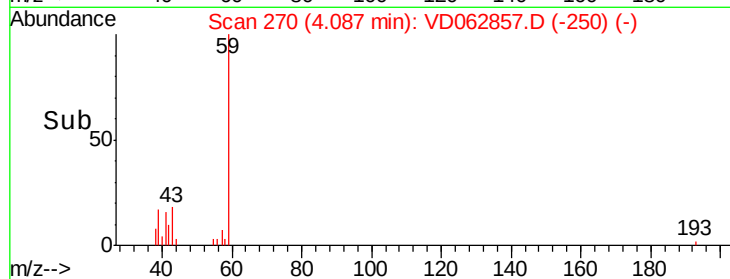
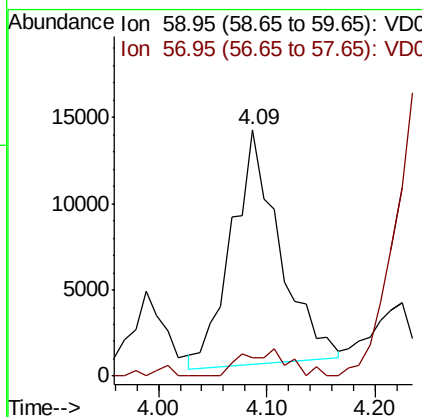
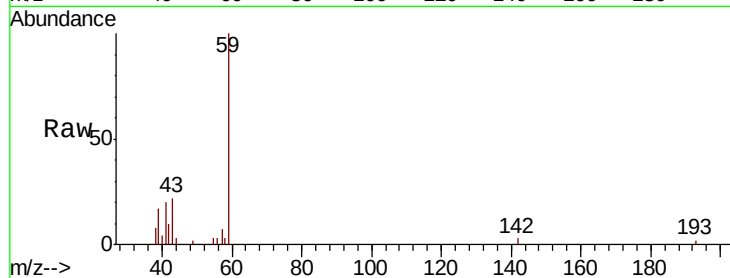




#11
Tert butyl alcohol
Concen: 105.203 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

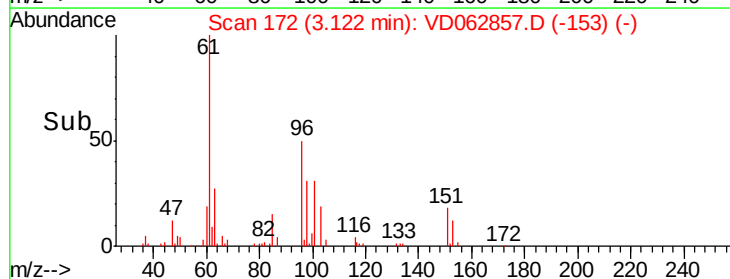
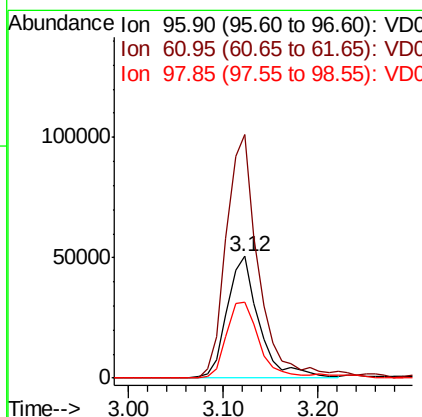
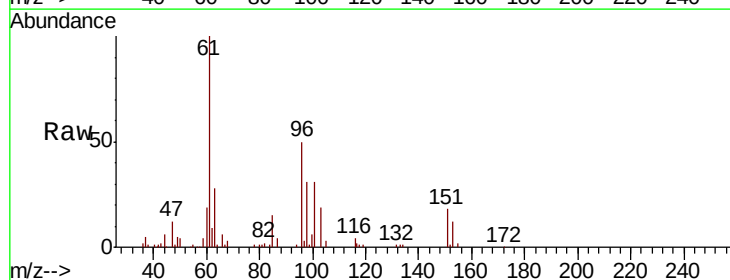
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

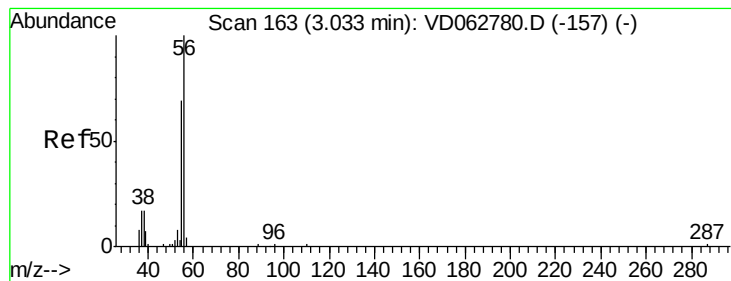
Tot Ion: 59 Resp: 41853
Ion Ratio Lower Upper
59 100
57 7.4 6.6 10.0



#12
1,1-Dichloroethene
Concen: 18.764 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion: 96 Resp: 119672
Ion Ratio Lower Upper
96 100
61 199.9 147.1 220.7
98 62.3 52.6 79.0





#13

Acrolein

Concen: 70.990 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

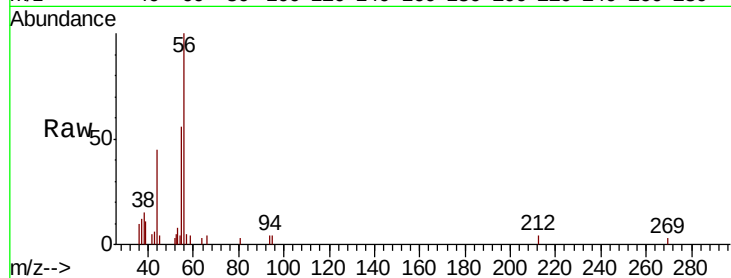
VD0624SBS02

Tot Ion: 56 Resp: 28832

Ion Ratio Lower Upper

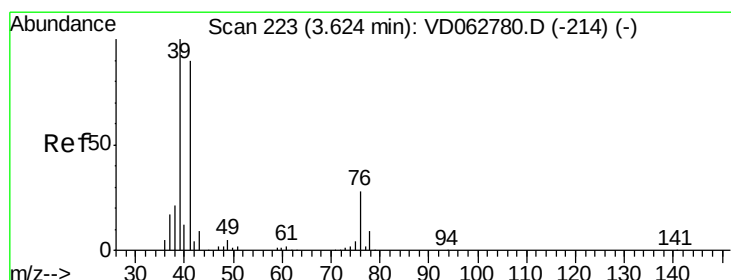
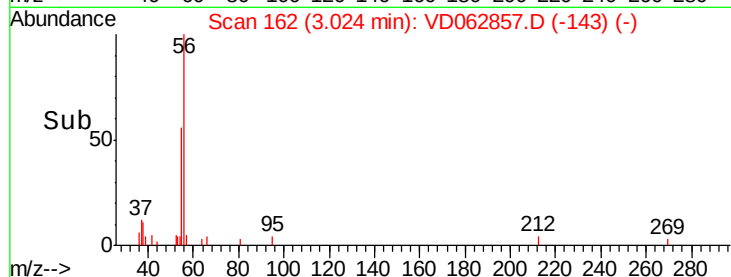
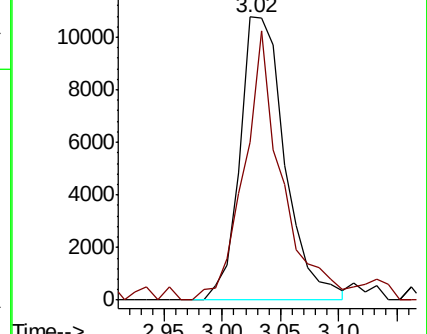
56 100

55 55.9 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.934 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

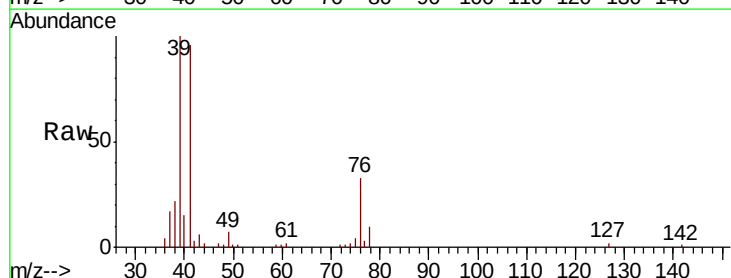
Tgt Ion: 41 Resp: 197275

Ion Ratio Lower Upper

41 100

39 104.4 88.8 133.2

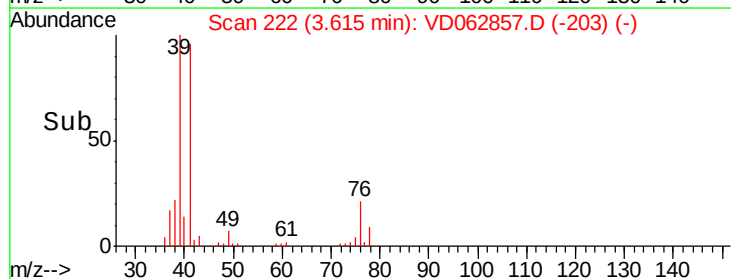
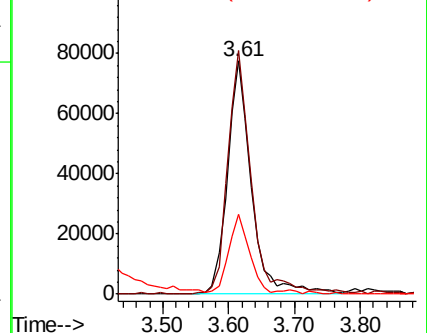
76 34.2 26.7 40.1

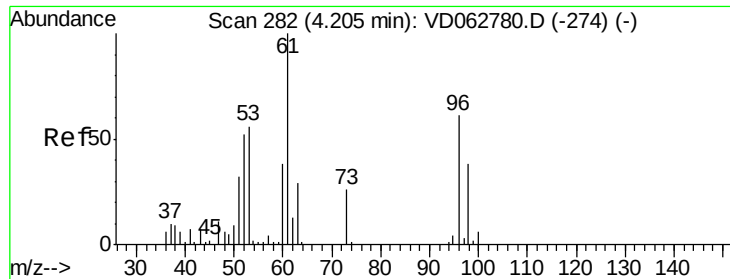


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 113.520 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

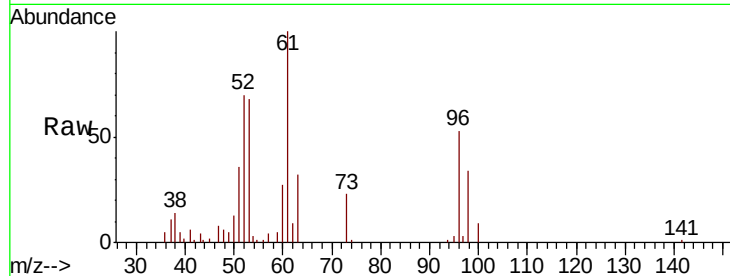
Tot Ion: 53 Resp: 106118

Ion Ratio Lower Upper

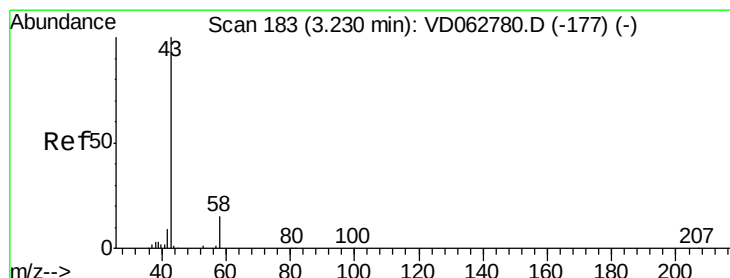
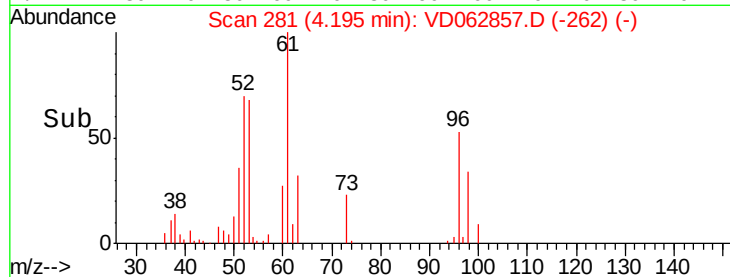
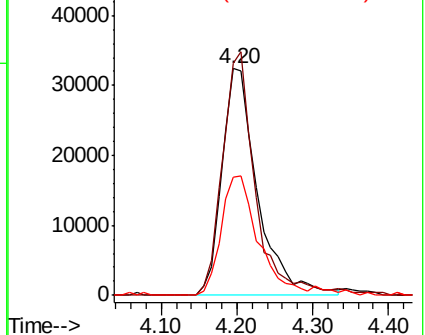
53 100

52 102.6 73.3 109.9

51 52.2 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: 96.646 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062857.D

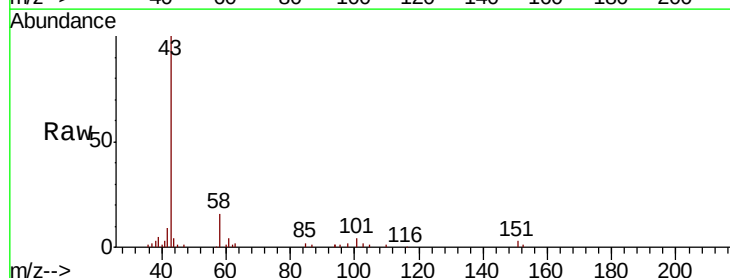
Acq: 25 Jun 2019 1:10

Tgt Ion: 43 Resp: 178799

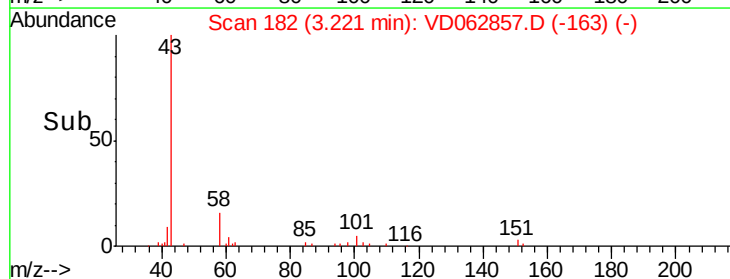
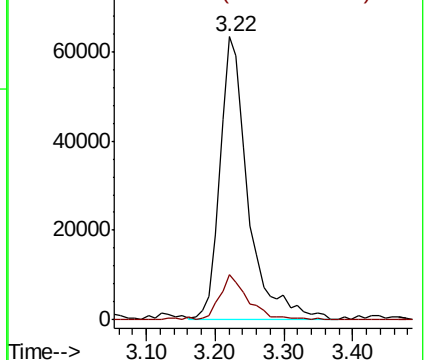
Ion Ratio Lower Upper

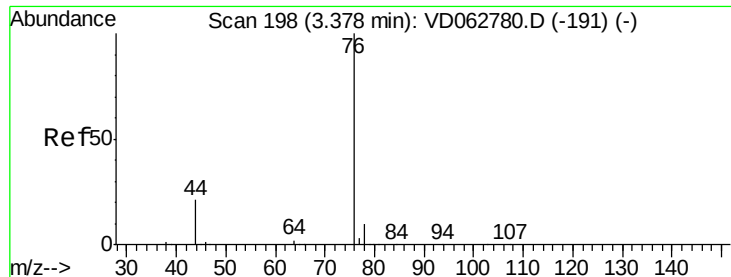
43 100

58 16.1 11.9 17.9



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

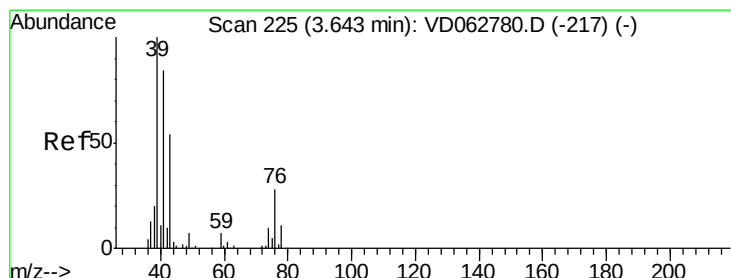
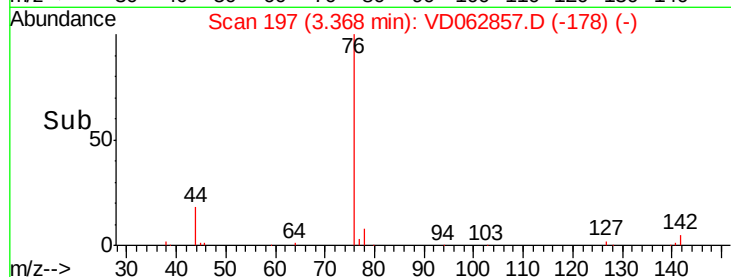
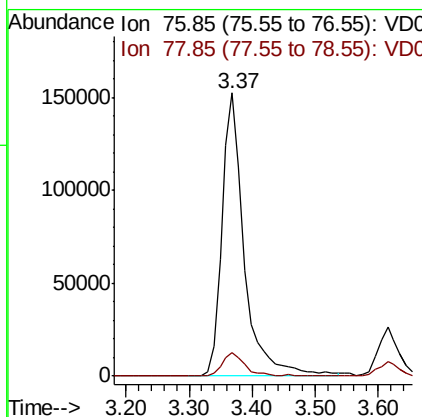
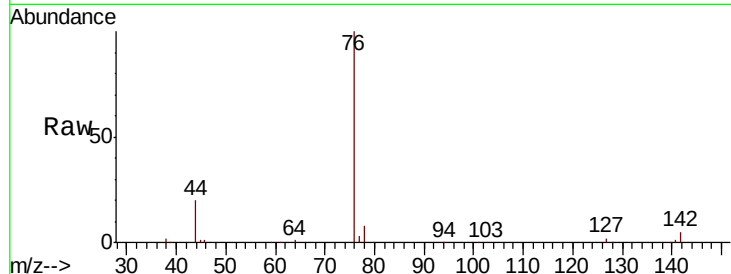




#17
Carbon Disulfide
Concen: 18.368 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

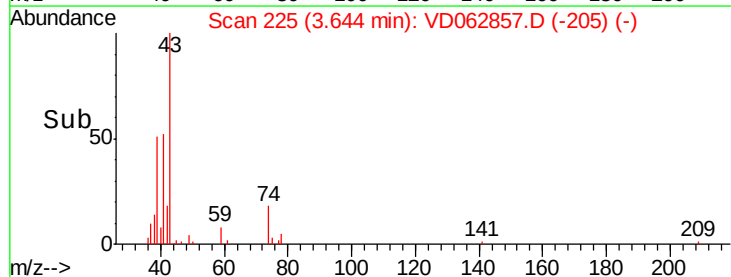
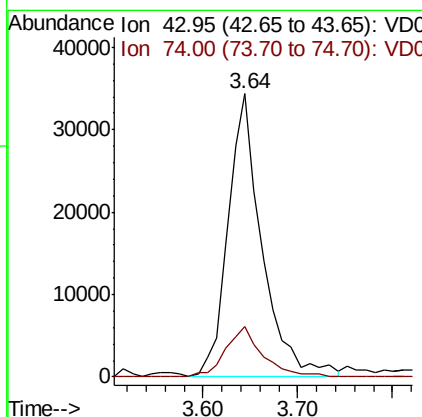
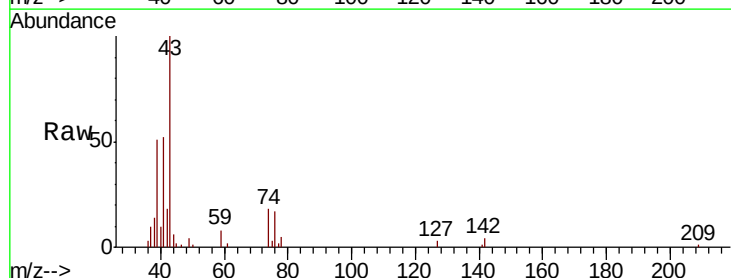
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

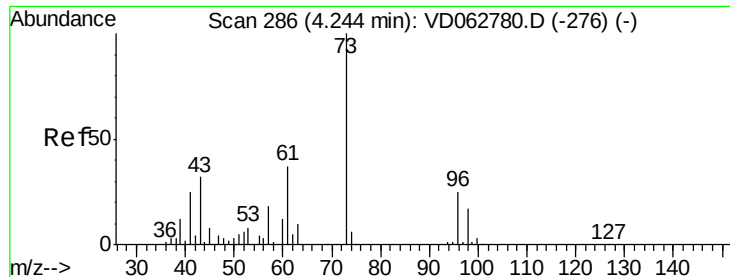
Tot Ion: 76 Resp: 374396
Ion Ratio Lower Upper
76 100
78 8.5 8.0 12.0



#18
Methyl Acetate
Concen: 32.366 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion: 43 Resp: 85346
Ion Ratio Lower Upper
43 100
74 18.0 15.2 22.8



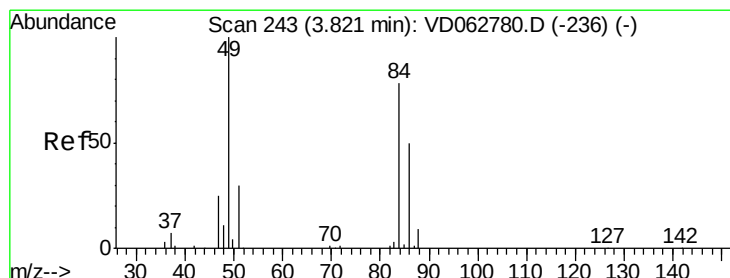
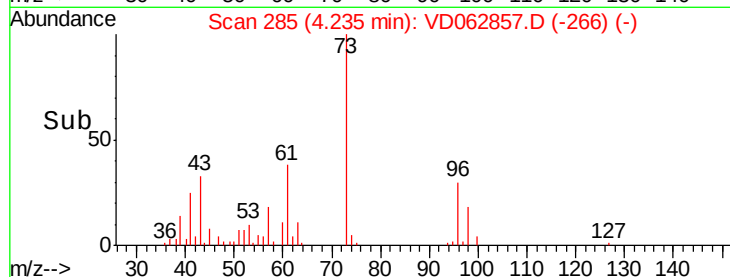
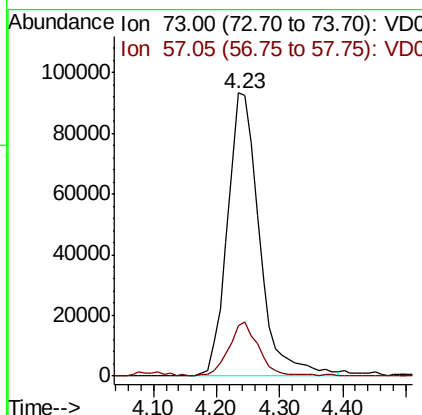
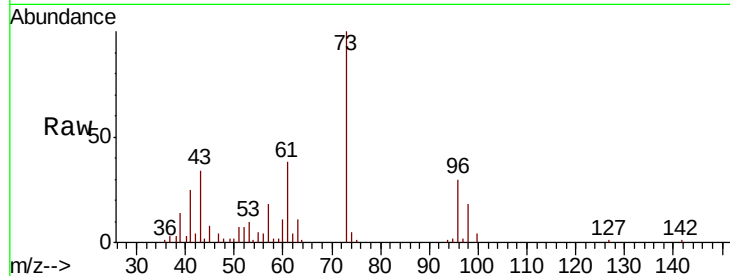


#19

Methyl tert-butyl Ether
 Concen: 23.737 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0624SBS02

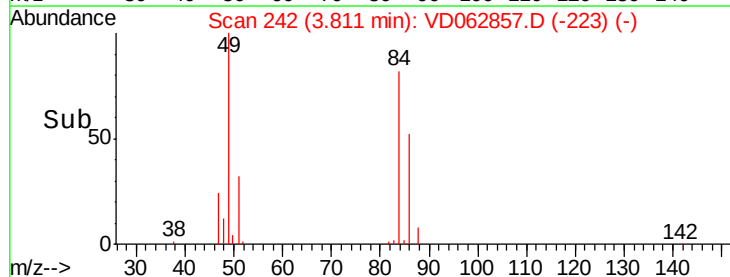
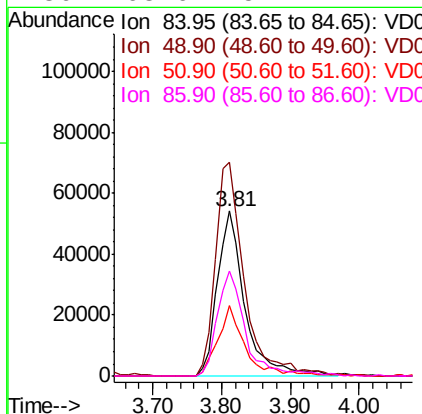
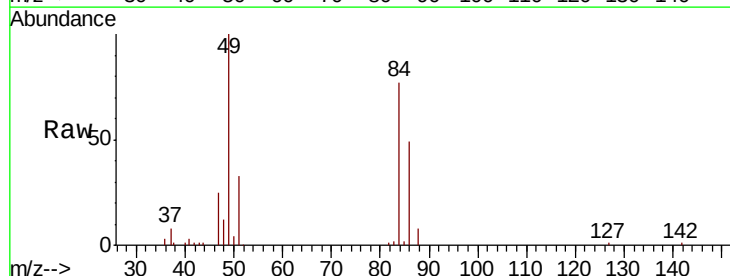
Tot Ion: 73 Resp: 327716
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.3 21.5

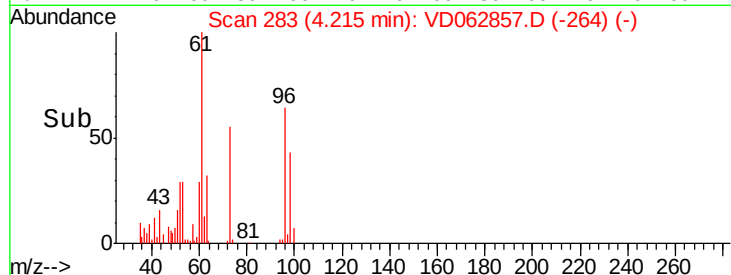
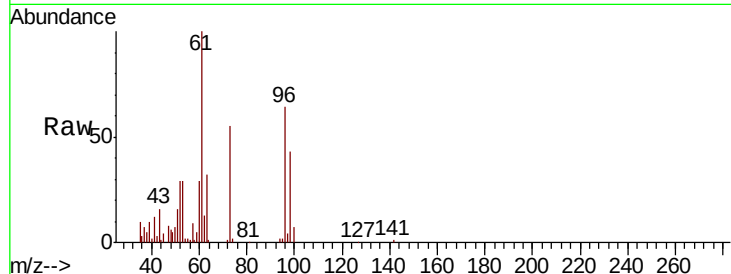
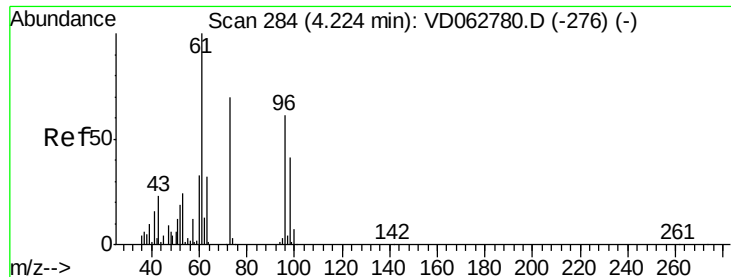


#20

Methylene Chloride
 Concen: 22.489 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 84 Resp: 149817
 Ion Ratio Lower Upper
 84 100
 49 129.7 102.9 154.3
 51 42.9 31.2 46.8
 86 63.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.321 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

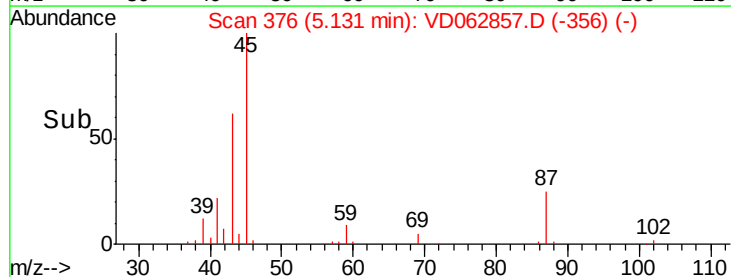
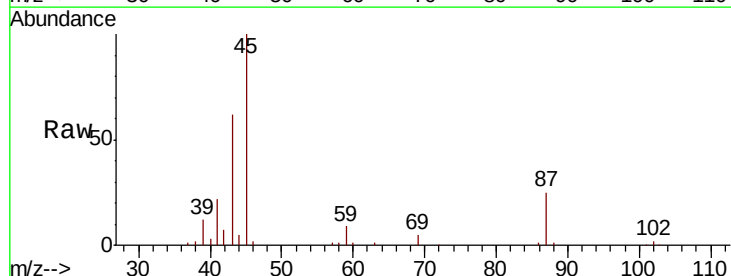
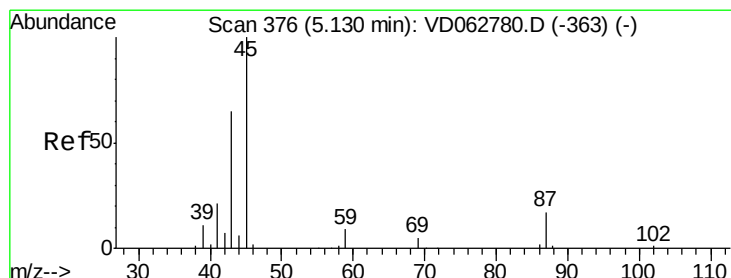
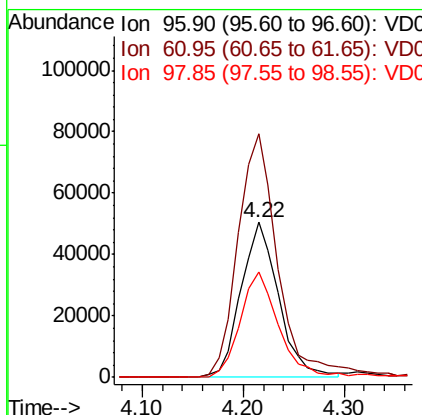
Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

Tot Ion: 96 Resp: 131207

Ion	Ratio	Lower	Upper
96	100		
61	157.2	131.0	196.4
98	67.9	53.2	79.8



#22

Diisopropyl ether

Concen: 22.791 ug/l

RT: 5.13 min Scan# 376

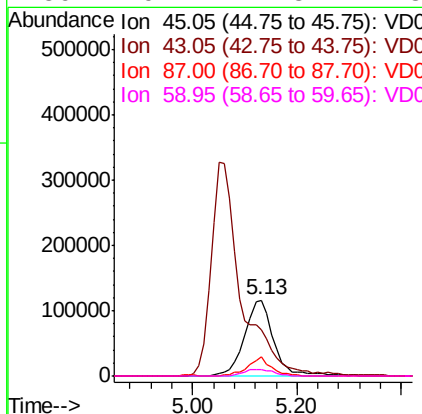
Delta R.T. 0.00 min

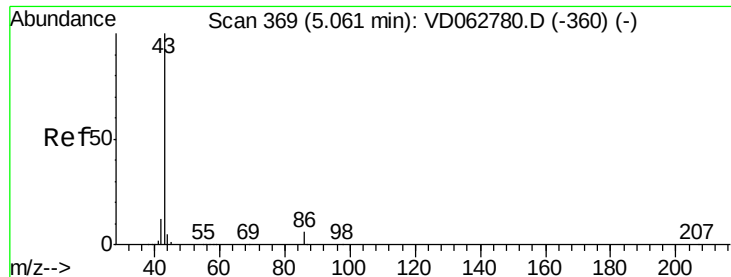
Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Tgt Ion: 45 Resp: 436781

Ion	Ratio	Lower	Upper
45	100		
43	61.8	53.4	80.0
87	24.8	14.6	22.0
59	9.4	7.8	11.8





#23

Vinyl Acetate

Concen: 106.852 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

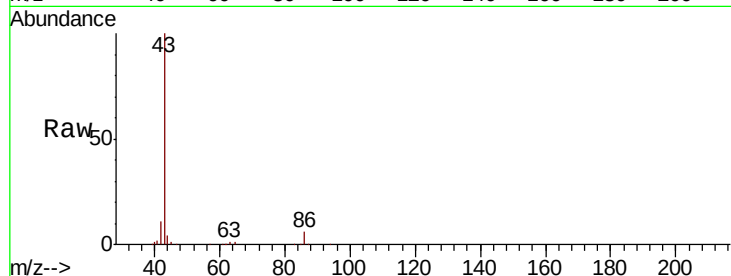
VD0624SBS02

Tot Ion: 43 Resp: 1281375

Ion Ratio Lower Upper

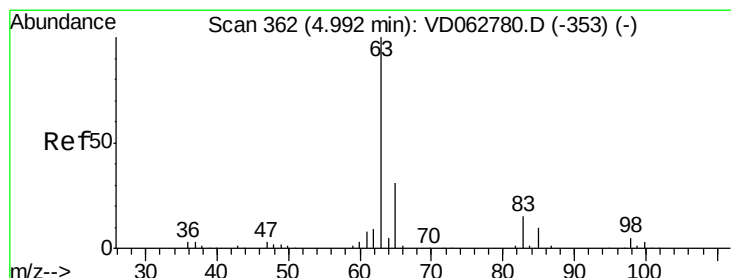
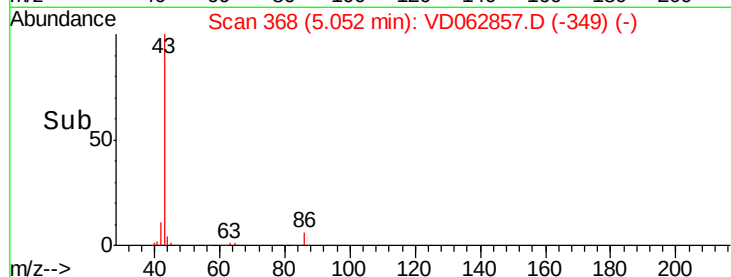
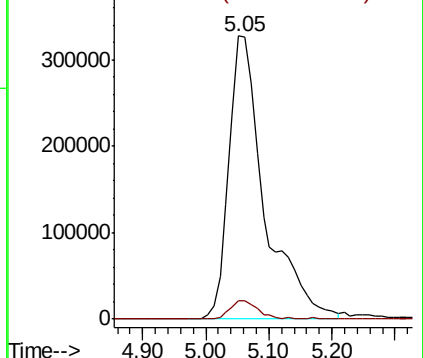
43 100

86 6.3 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.288 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

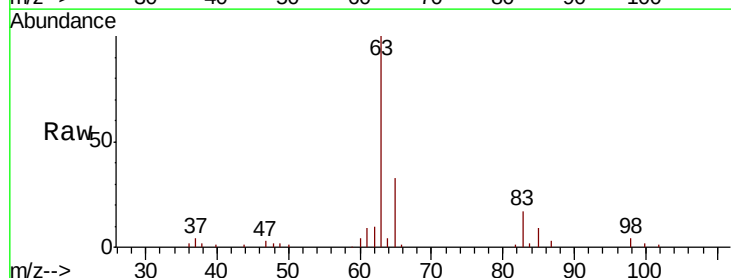
Tgt Ion: 63 Resp: 253144

Ion Ratio Lower Upper

63 100

98 4.3 2.3 6.9

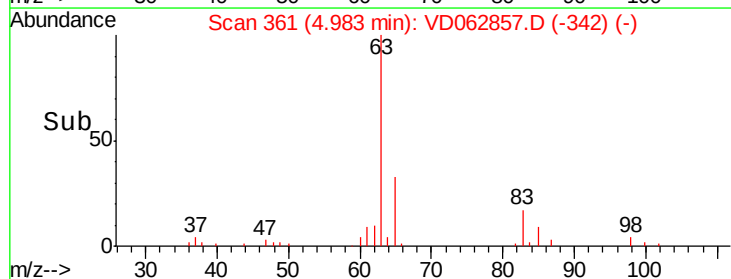
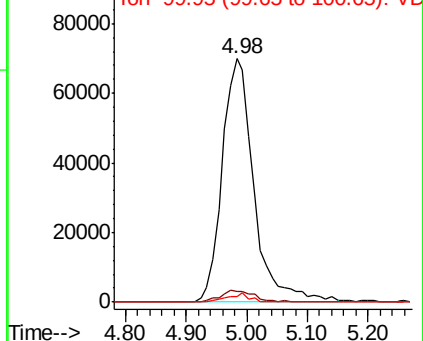
100 2.2 1.7 5.1

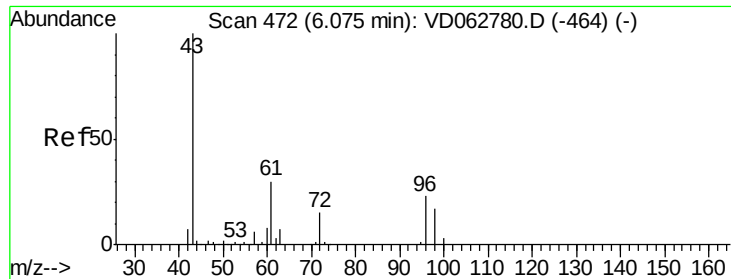


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.304 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

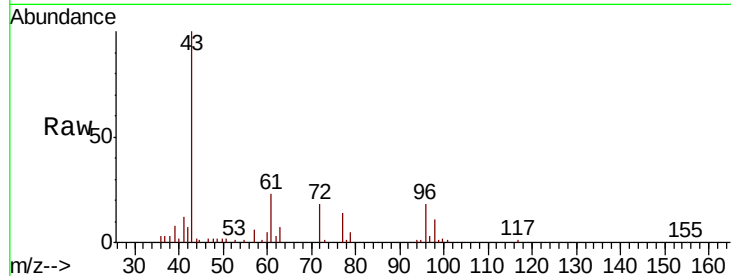
VD0624SBS02

Tot Ion: 43 Resp: 194909

Ion Ratio Lower Upper

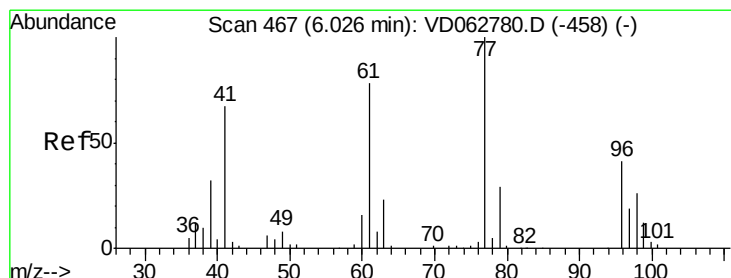
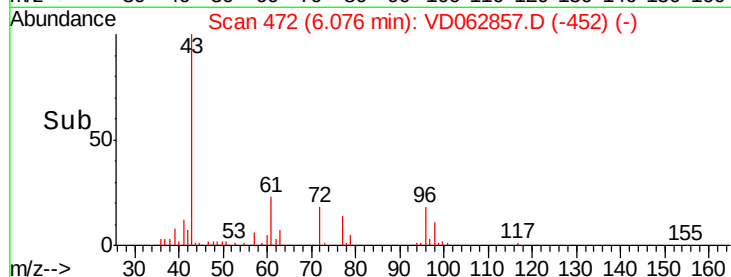
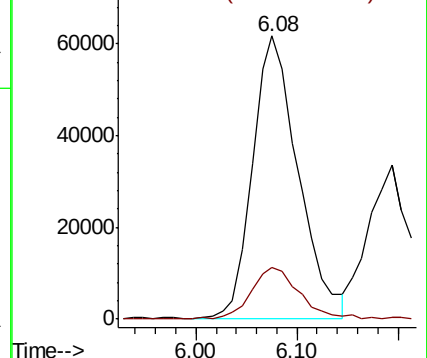
43 100

72 18.4 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: 17.870 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062857.D

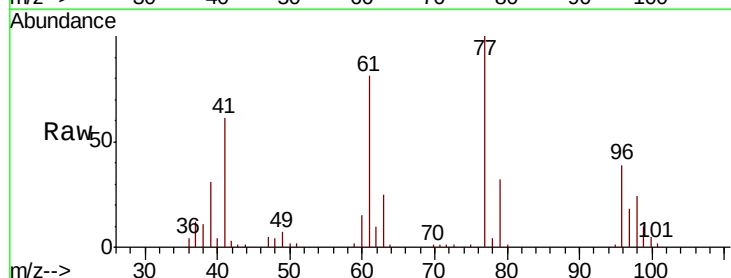
Acq: 25 Jun 2019 1:10

Tgt Ion: 77 Resp: 236340

Ion Ratio Lower Upper

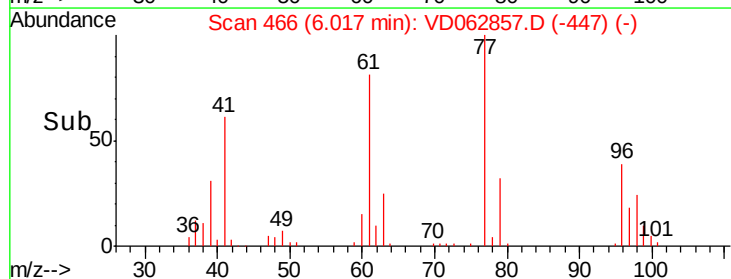
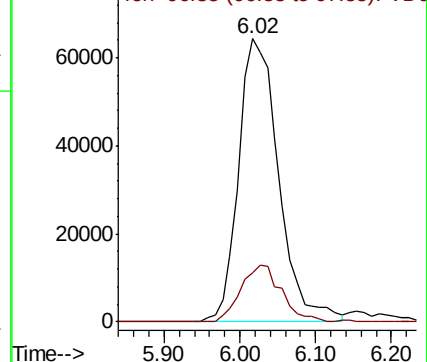
77 100

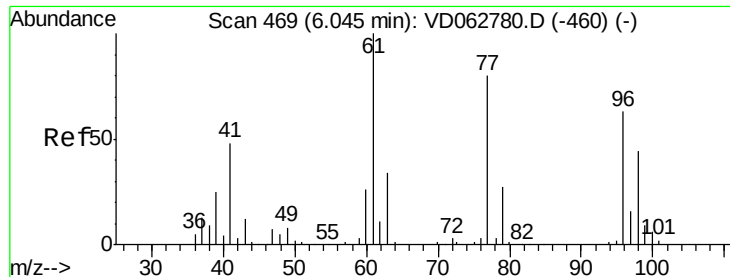
97 17.5 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



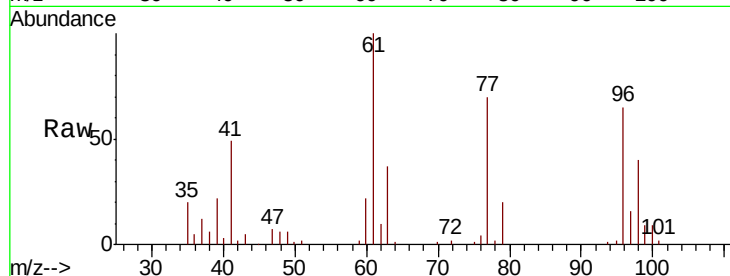


#27

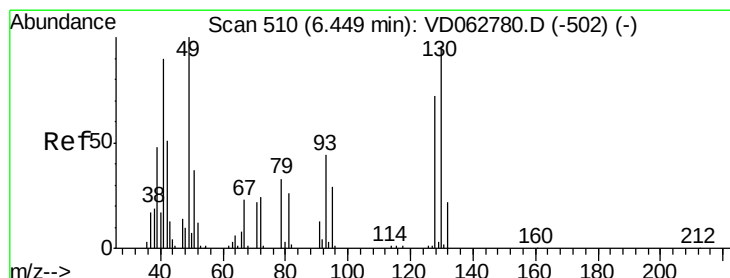
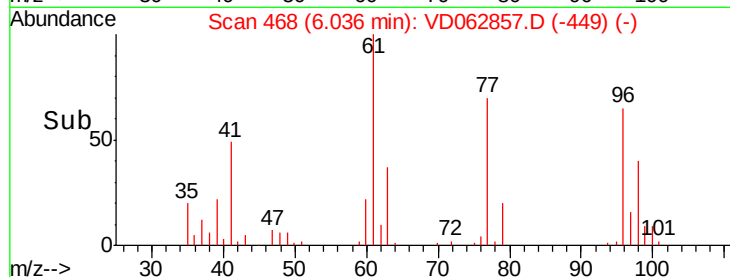
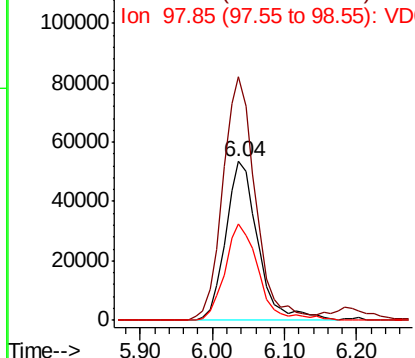
cis-1,2-Dichloroethene
 Concen: 23.239 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0624SBS02

Tot Ion: 96 Resp: 166886
 Ion Ratio Lower Upper
 96 100
 61 153.1 0.0 316.0
 98 60.8 0.0 138.4



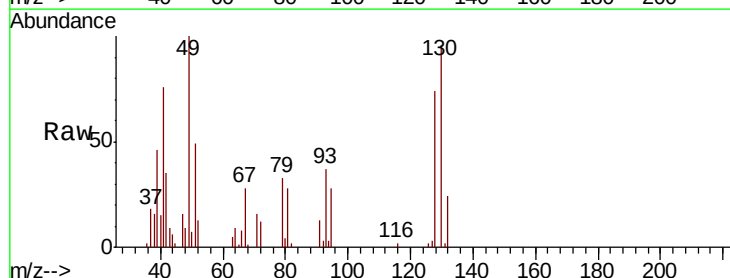
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



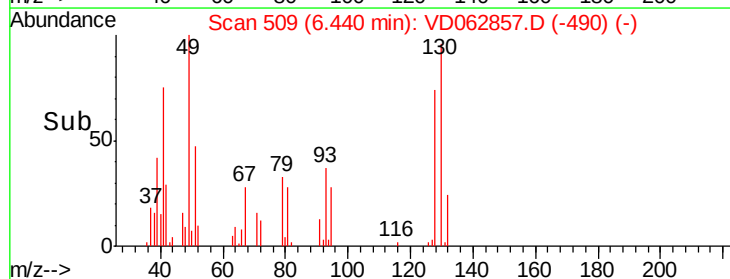
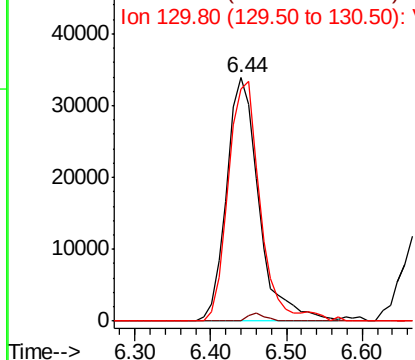
#28

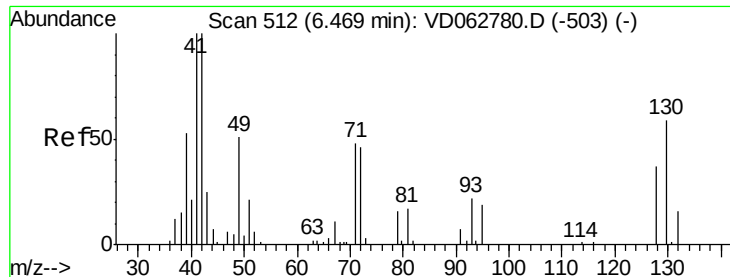
Bromochloromethane
 Concen: 22.803 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 49 Resp: 100210
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 95.5 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: 119.803 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

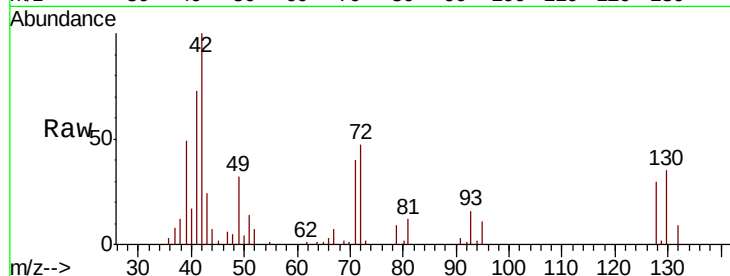
Tot Ion: 42 Resp: 92604

Ion Ratio Lower Upper

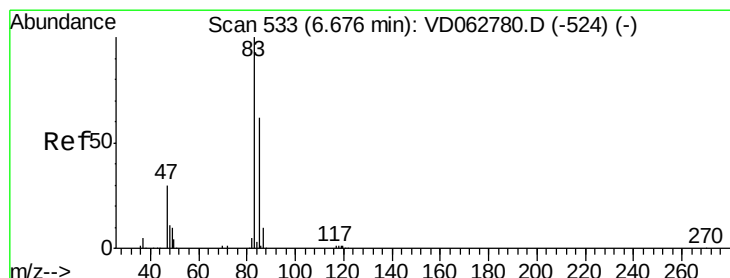
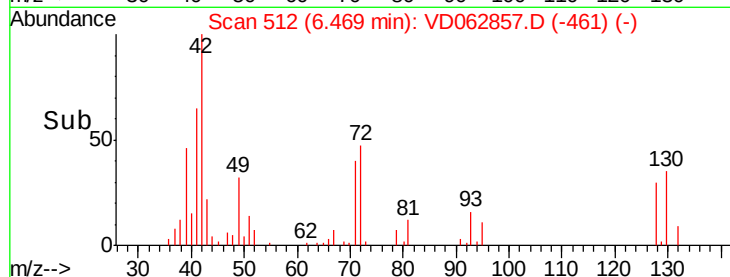
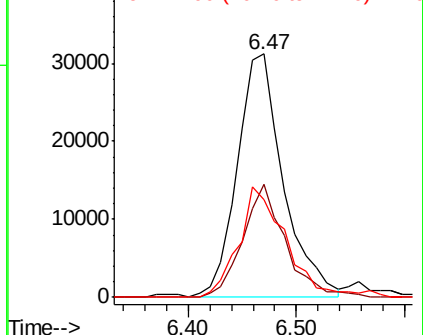
42 100

72 43.2 35.0 52.6

71 47.0 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: 21.194 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD062857.D

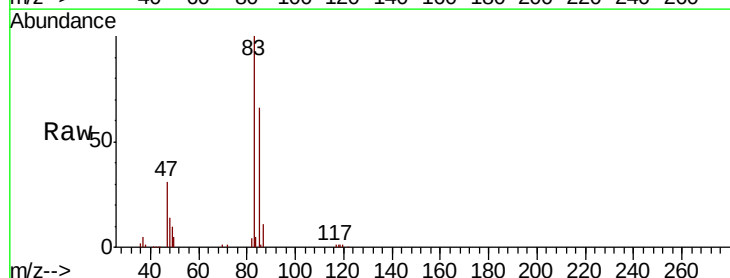
Acq: 25 Jun 2019 1:10

Tgt Ion: 83 Resp: 321615

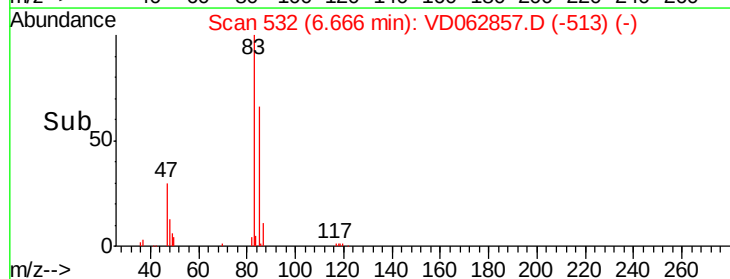
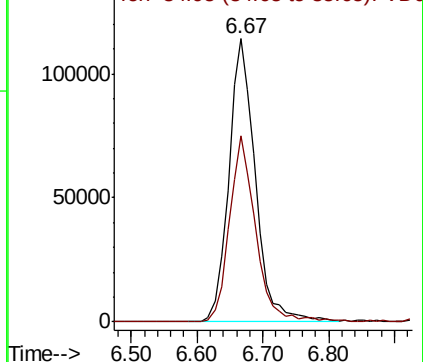
Ion Ratio Lower Upper

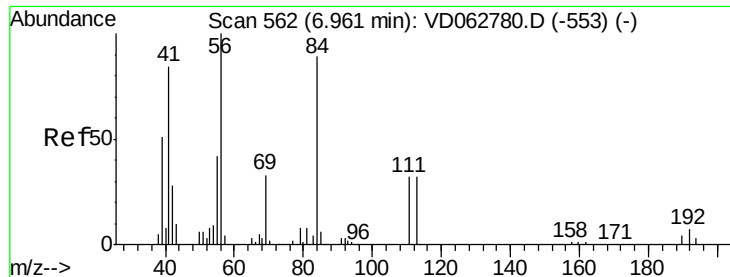
83 100

85 65.6 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: 19.697 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

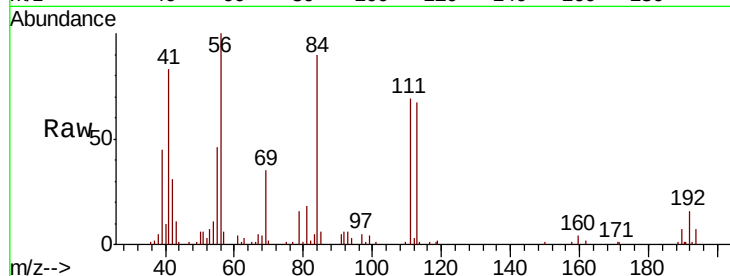
Tot Ion: 56 Resp: 161570

Ion Ratio Lower Upper

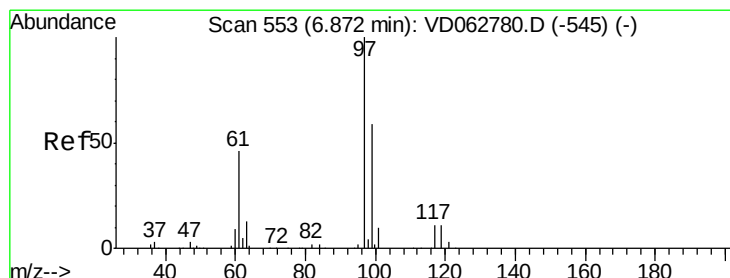
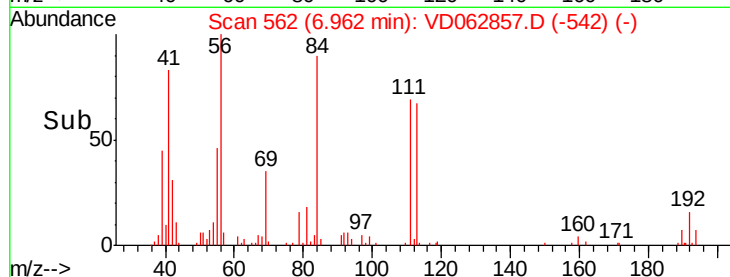
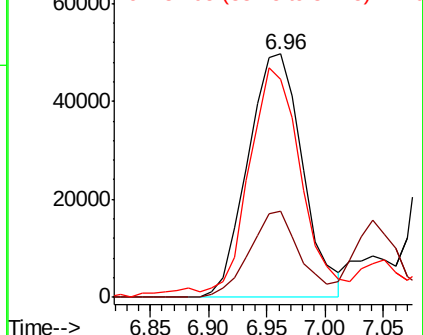
56 100

69 35.2 26.6 39.8

84 89.8 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: 19.814 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

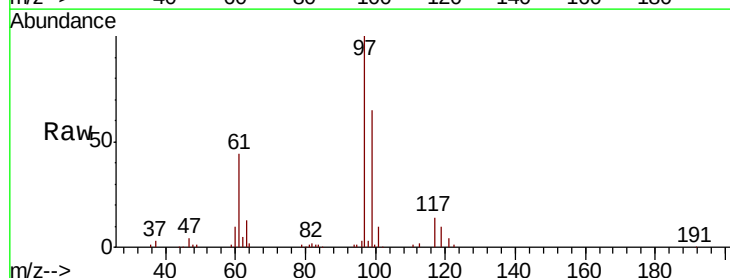
Tgt Ion: 97 Resp: 313173

Ion Ratio Lower Upper

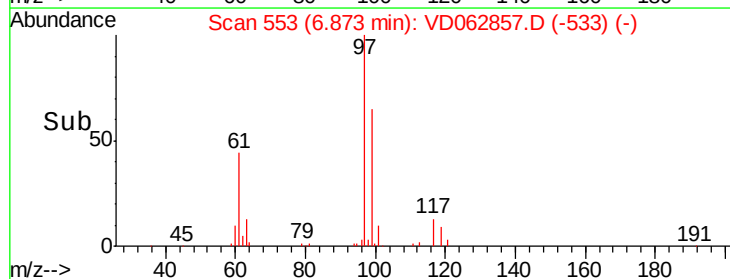
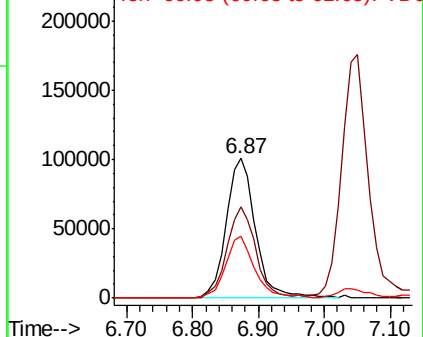
97 100

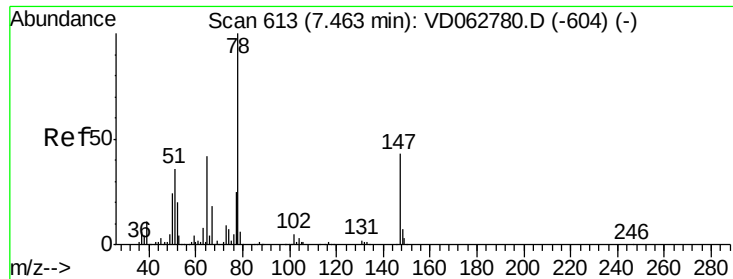
99 64.9 47.4 71.2

61 44.2 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

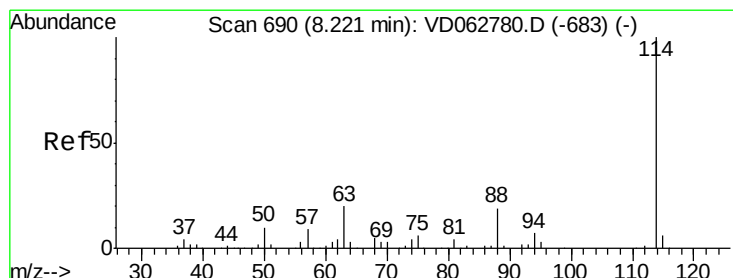
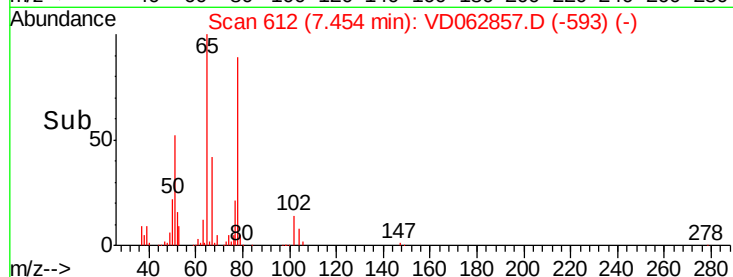
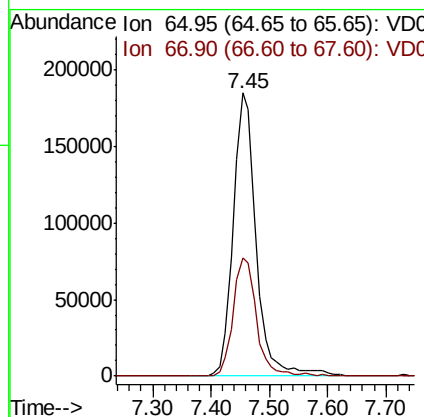
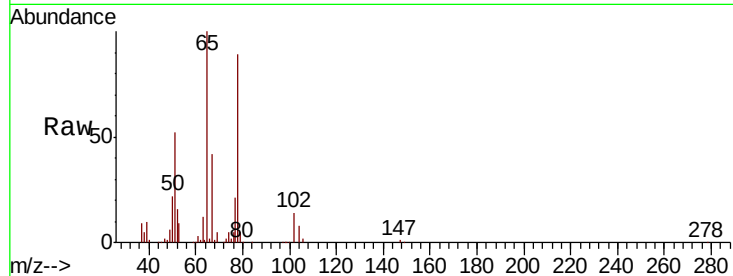




#33
 1,2-Dichloroethane-d4
 Concen: 57.860 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

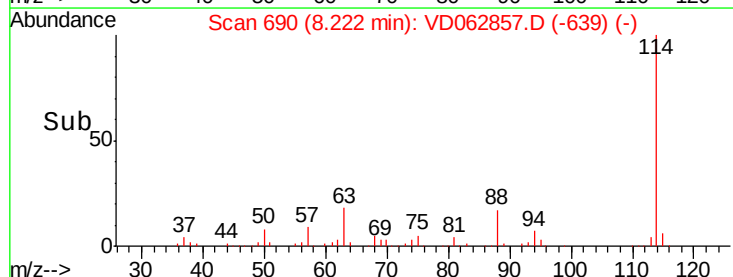
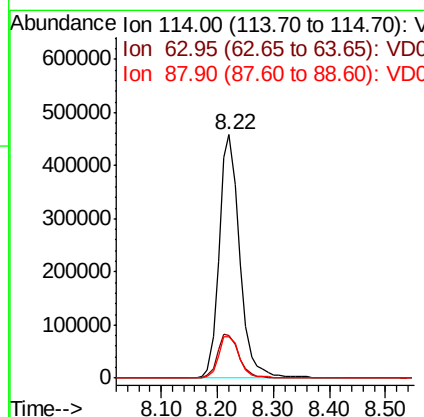
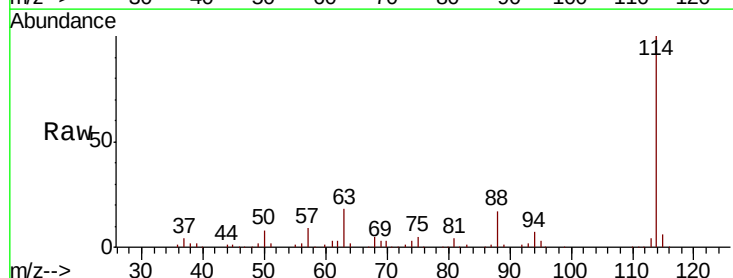
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

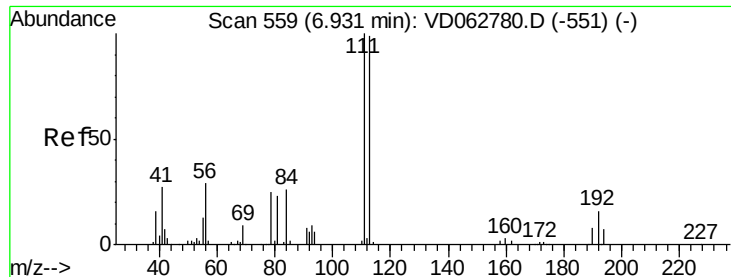
Tot Ion: 65 Resp: 505408
 Ion Ratio Lower Upper
 65 100
 67 41.6 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 114 Resp: 1173303
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 40.0
 88 17.0 0.0 38.8

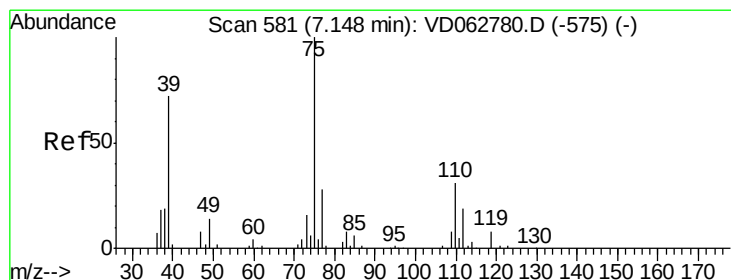
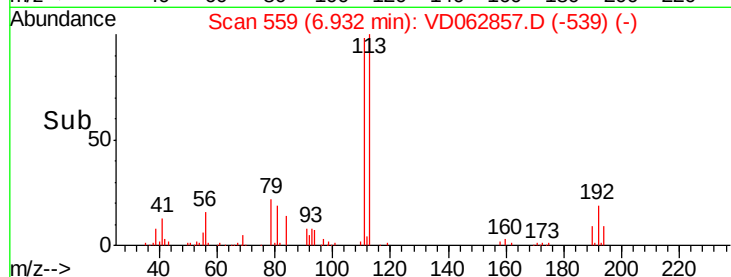
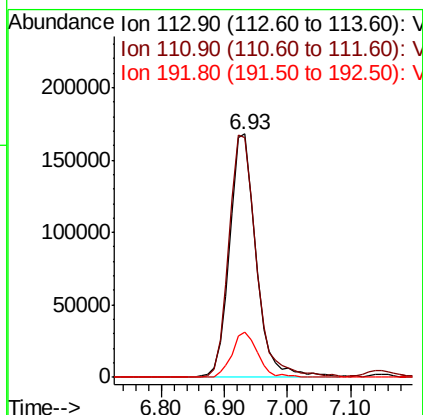
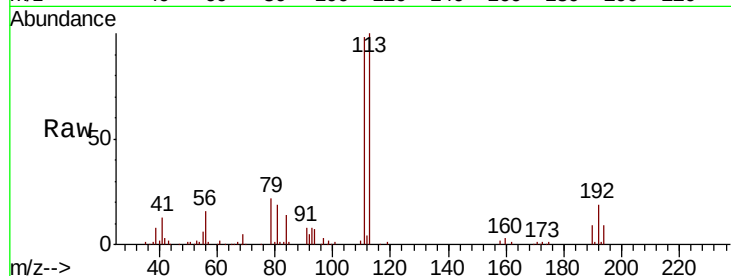




#35
 Dibromofluoromethane
 Concen: 49.082 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

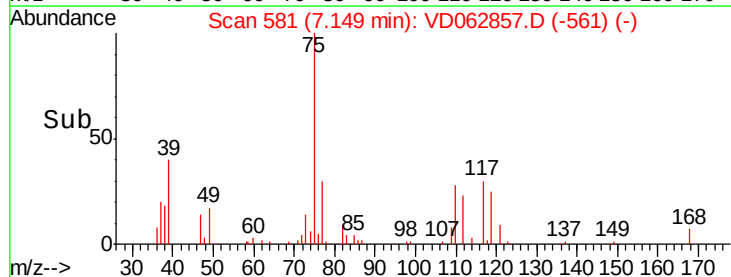
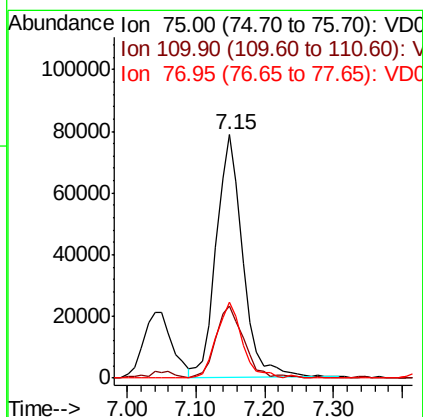
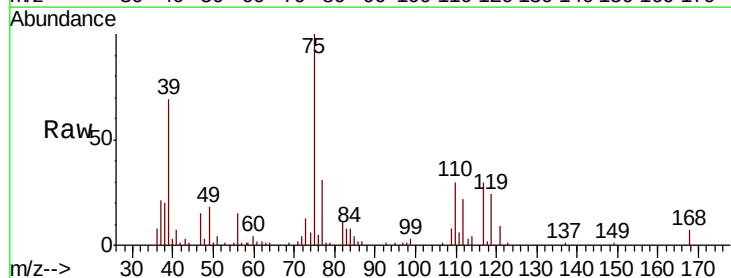
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

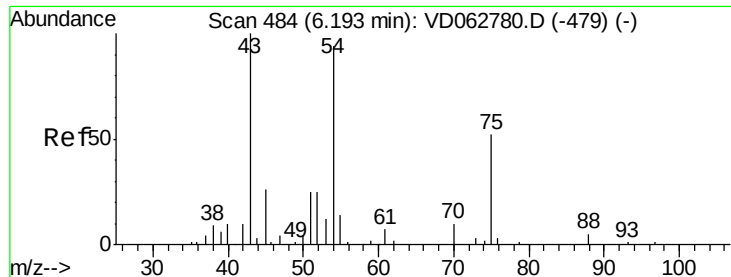
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.3	81.2	121.8
192	18.7	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 18.891 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.6	15.0	45.1
77	31.0	22.2	33.2





#37

Ethyl Acetate

Concen: 20.184 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

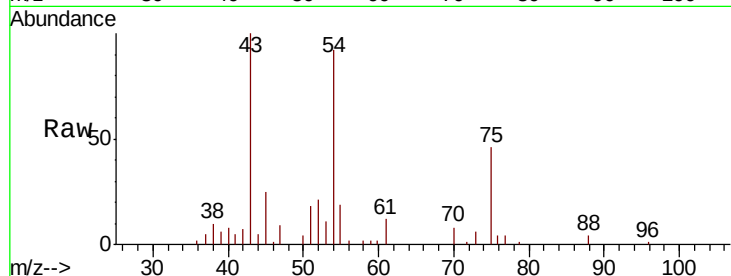
Tot Ion: 43 Resp: 97237

Ion Ratio Lower Upper

43 100

61 12.2 11.6 17.4

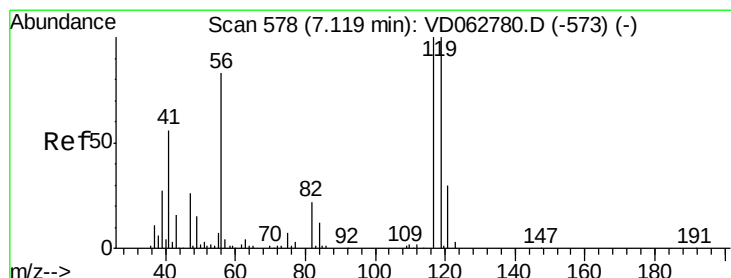
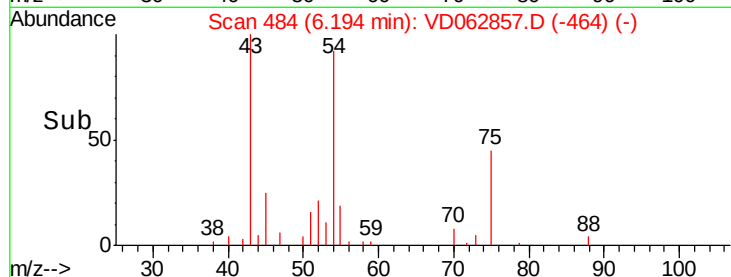
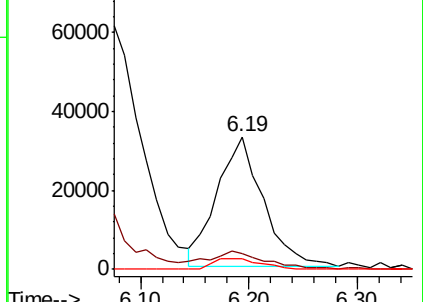
70 8.1 6.4 9.6



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: 18.719 ug/l

RT: 7.11 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

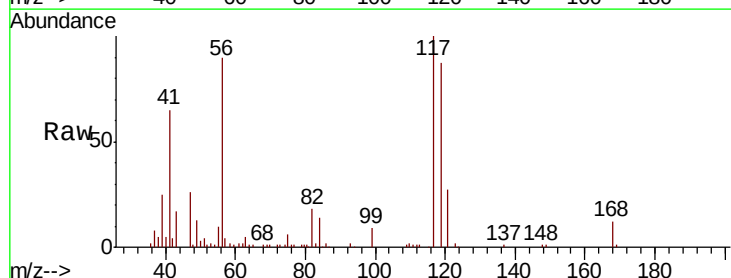
Tgt Ion: 117 Resp: 312691

Ion Ratio Lower Upper

117 100

119 86.8 75.4 113.2

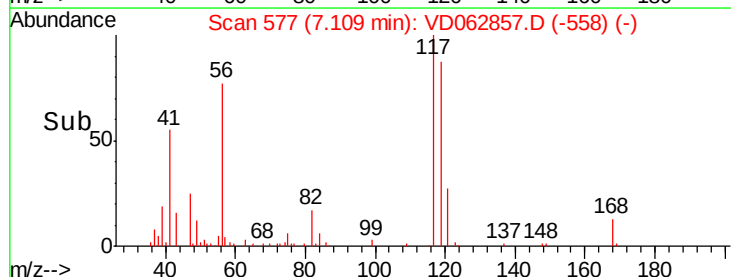
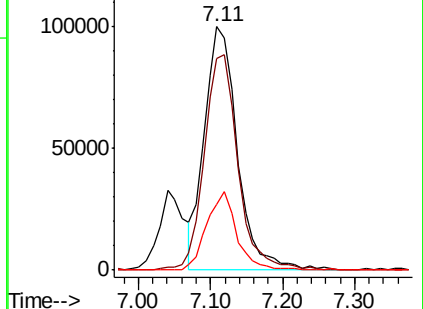
121 27.1 22.3 33.5

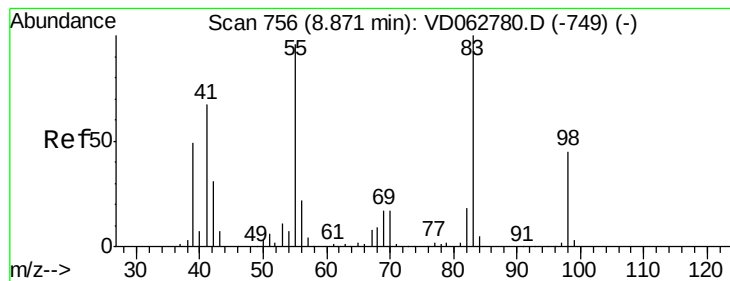


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 17.272 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

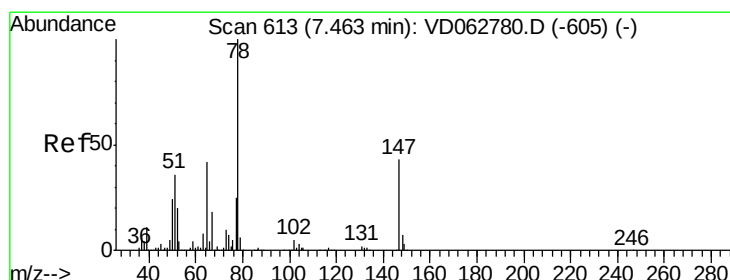
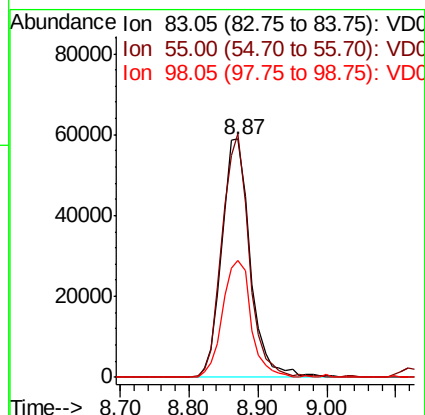
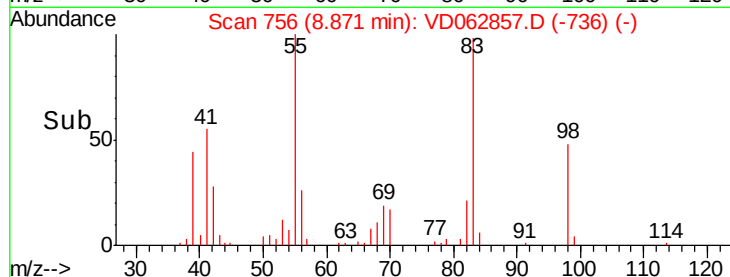
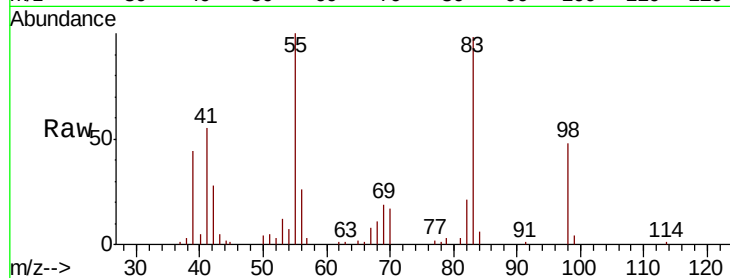
Tot Ion: 83 Resp: 168861

Ion Ratio Lower Upper

83 100

55 102.2 76.6 115.0

98 49.0 35.7 53.5



#40

Benzene

Concen: 20.713 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062857.D

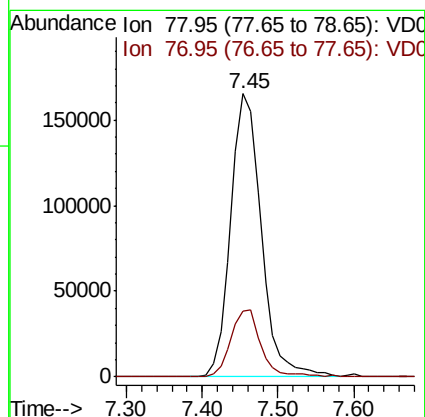
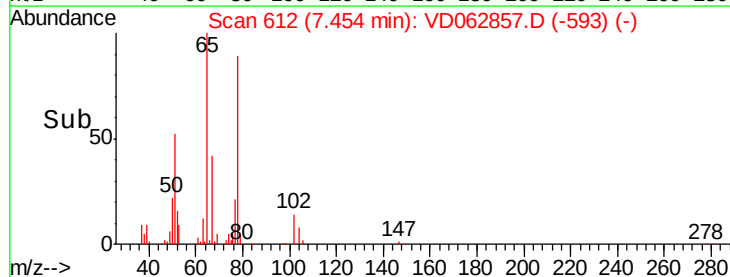
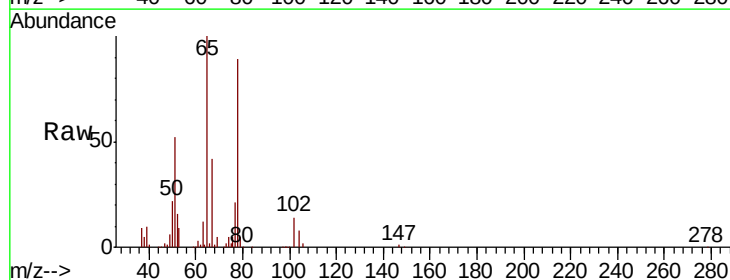
Acq: 25 Jun 2019 1:10

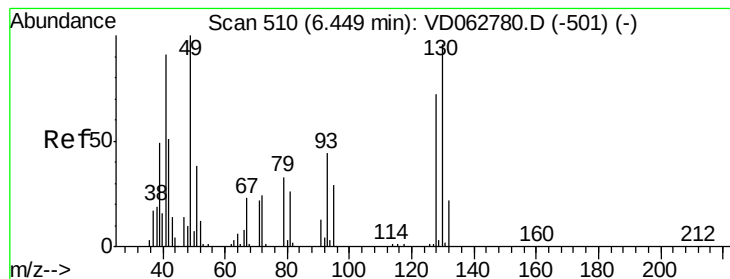
Tgt Ion: 78 Resp: 461801

Ion Ratio Lower Upper

78 100

77 23.1 20.2 30.2





#41

Methacrylonitrile

Concen: 21.312 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

Tot Ion: 41 Resp: 124835

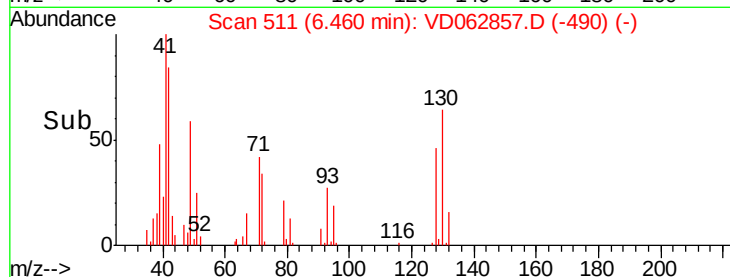
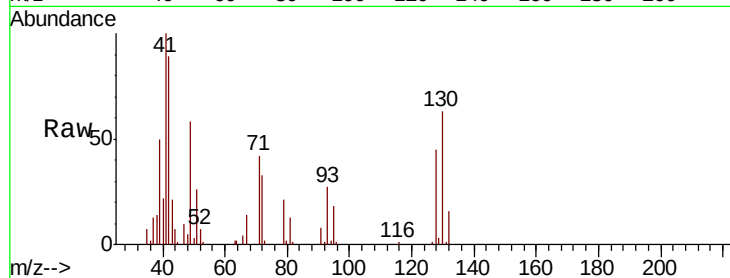
Ion Ratio Lower Upper

41 100

39 50.2 43.2 64.8

67 14.4 19.9 29.9#

52 6.9 10.2 15.4#

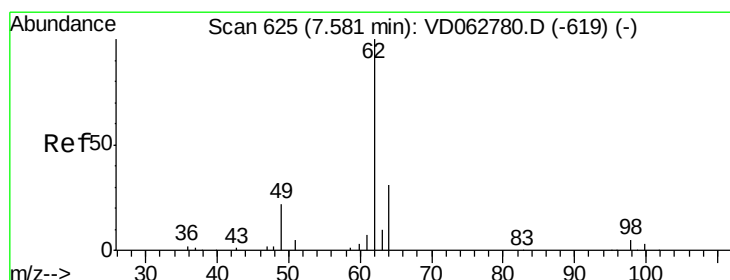
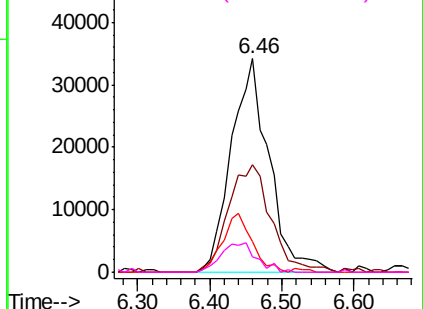


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.643 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD062857.D

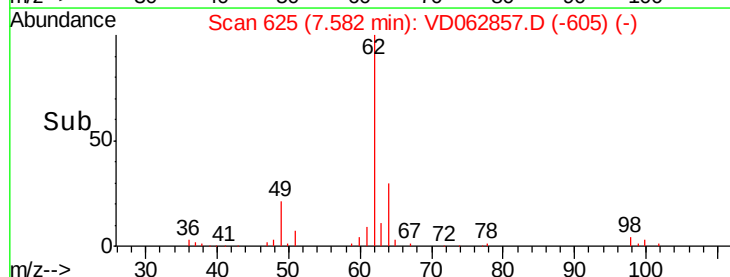
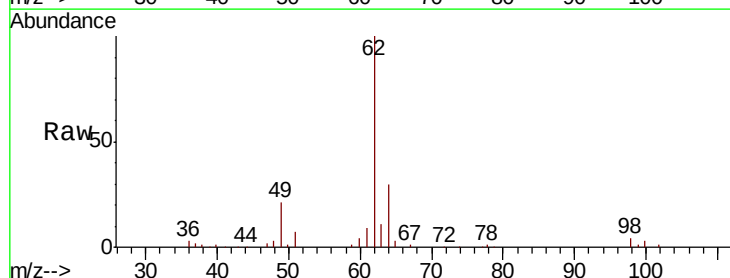
Acq: 25 Jun 2019 1:10

Tgt Ion: 62 Resp: 263237

Ion Ratio Lower Upper

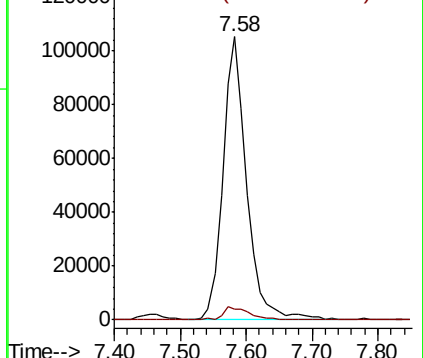
62 100

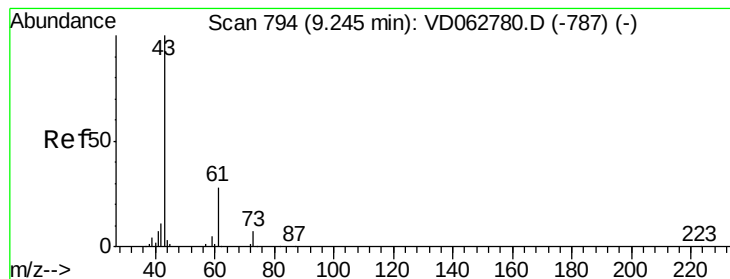
98 4.0 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.488 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

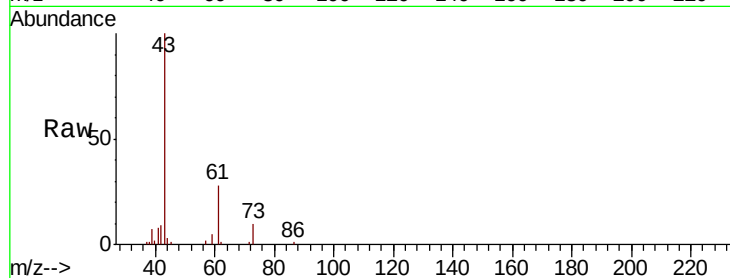
Tot Ion: 43 Resp: 130945

Ion Ratio Lower Upper

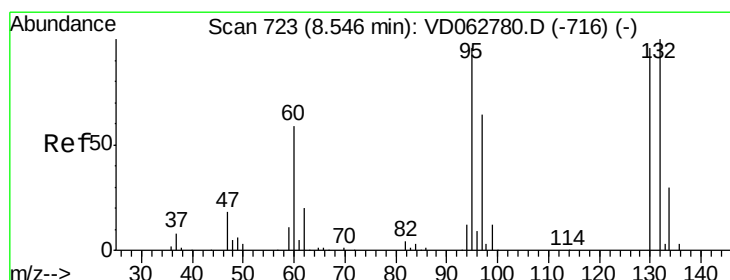
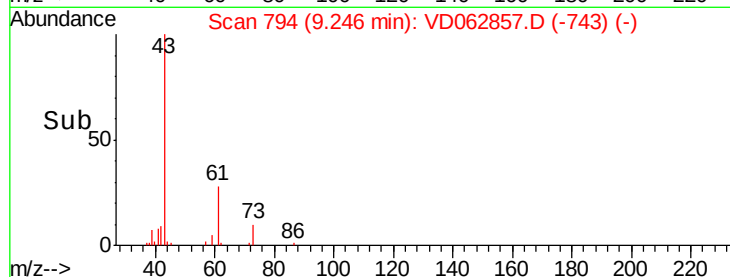
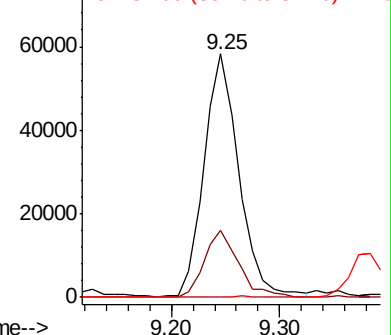
43 100

61 27.6 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: 19.776 ug/l

RT: 8.55 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD062857.D

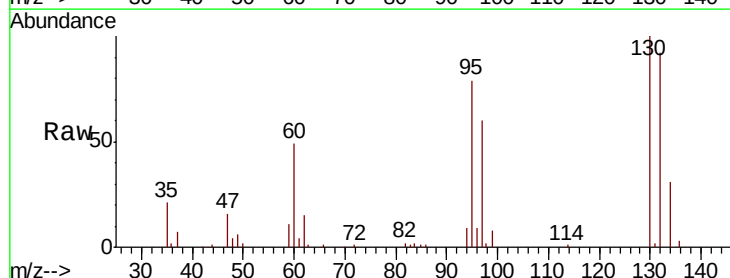
Acq: 25 Jun 2019 1:10

Tgt Ion:130 Resp: 172857

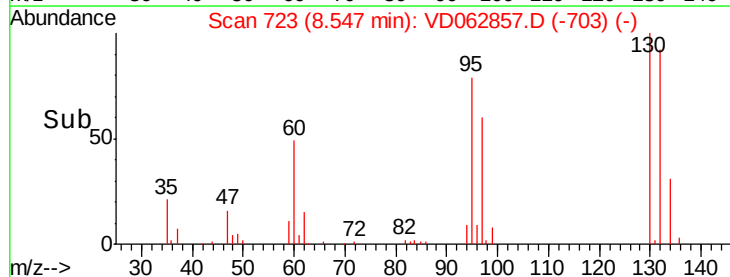
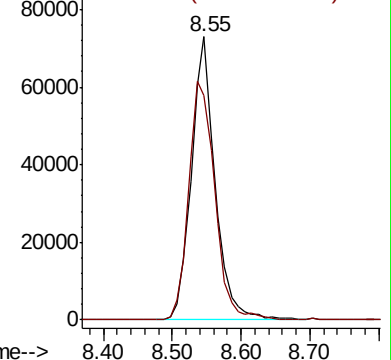
Ion Ratio Lower Upper

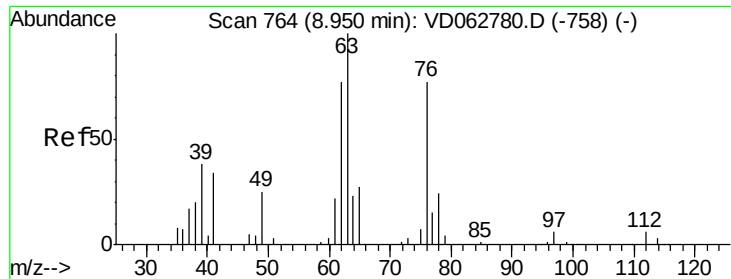
130 100

95 79.5 0.0 201.6



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

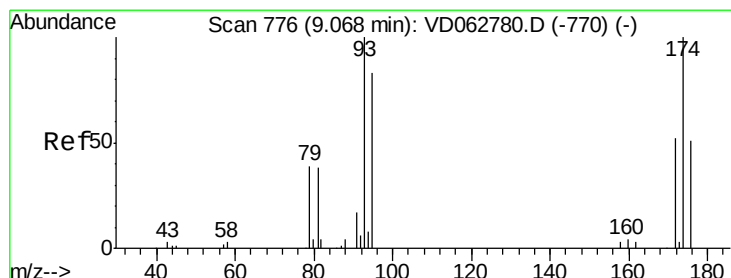
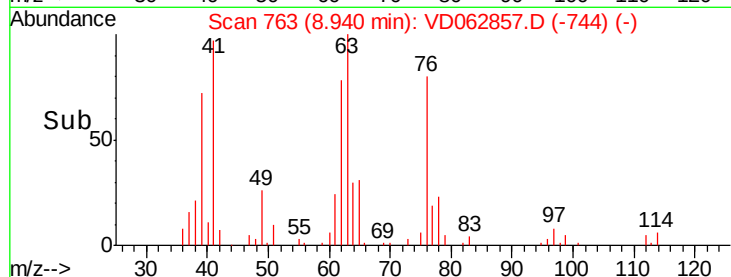
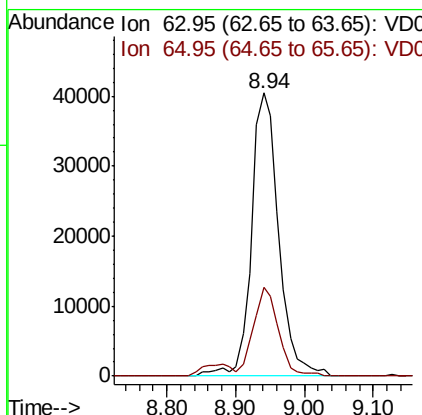
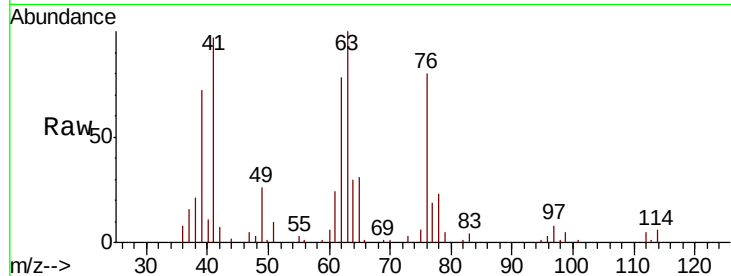




#45
 1,2-Dichloropropane
 Concen: 20.026 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

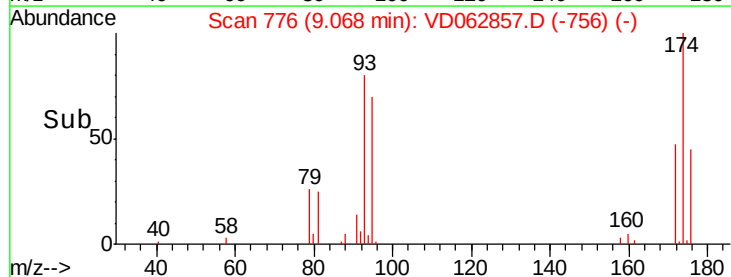
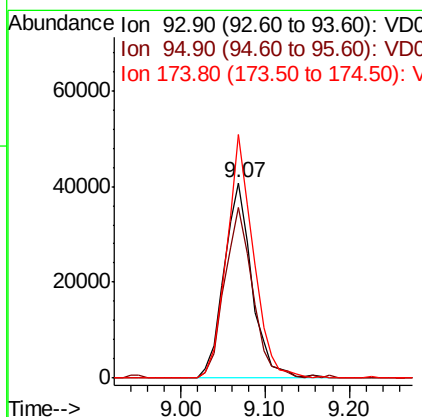
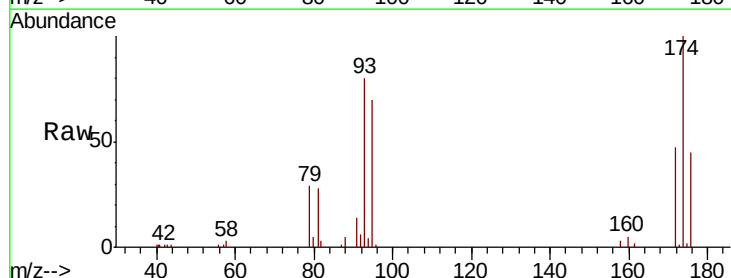
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

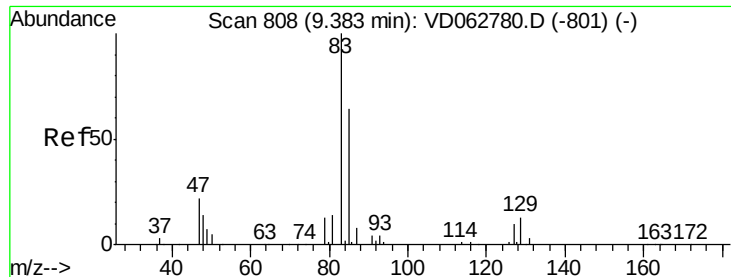
Tot Ion: 63 Resp: 111019
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.2



#46
 Dibromomethane
 Concen: 19.728 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 93 Resp: 93947
 Ion Ratio Lower Upper
 93 100
 95 87.7 66.6 100.0
 174 124.8 79.7 119.5#





#47

Bromodichloromethane

Concen: 20.060 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

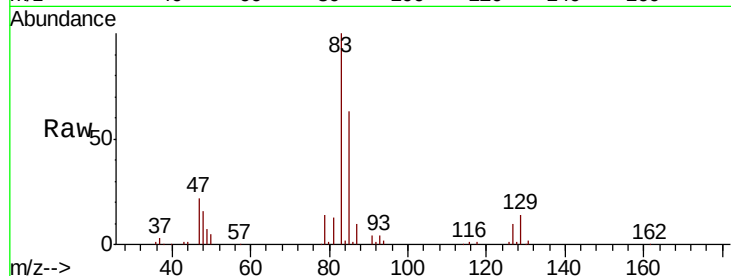
Tot Ion: 83 Resp: 248098

Ion Ratio Lower Upper

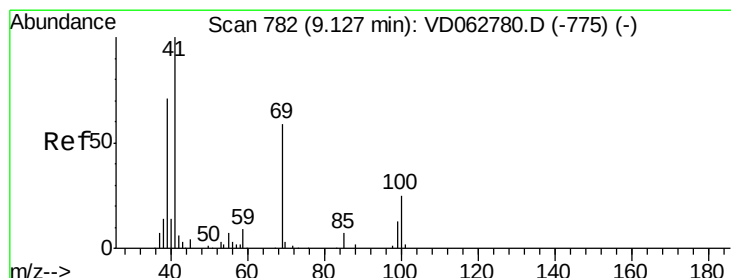
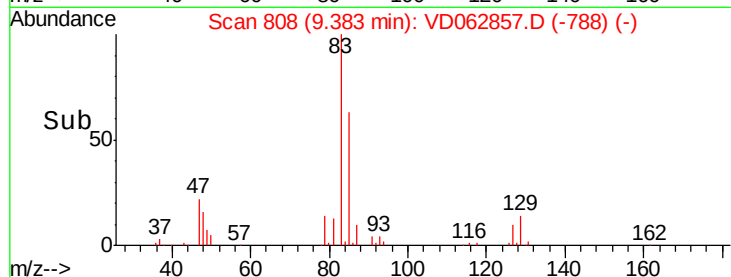
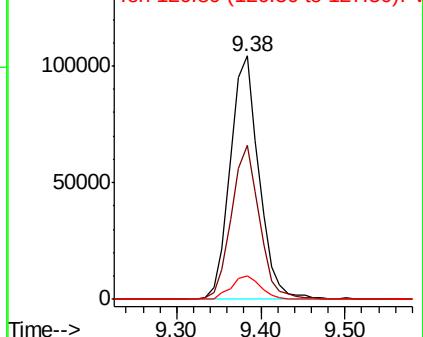
83 100

85 63.3 51.6 77.4

127 9.8 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: 19.952 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

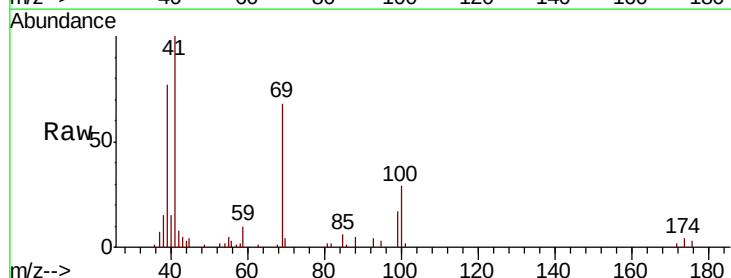
Tgt Ion: 41 Resp: 82562

Ion Ratio Lower Upper

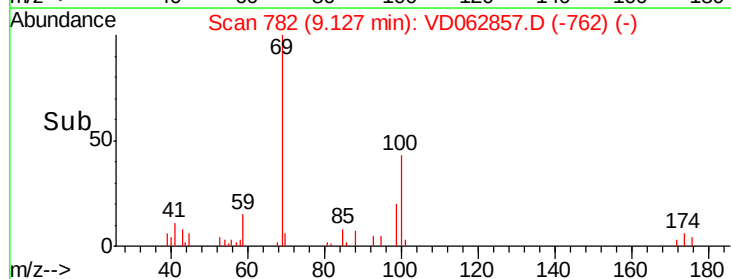
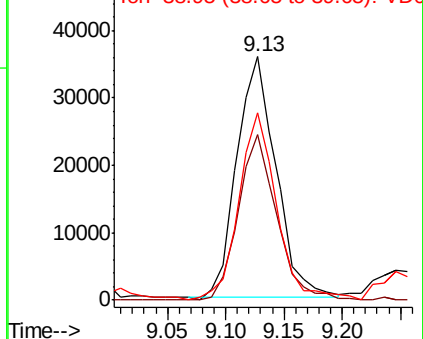
41 100

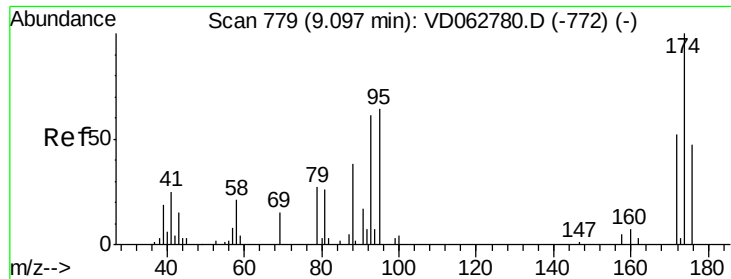
69 67.8 47.2 70.8

39 77.2 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

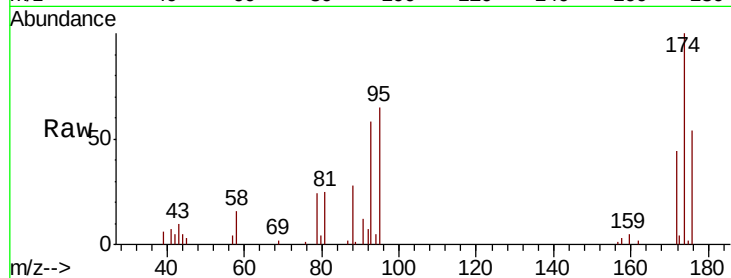




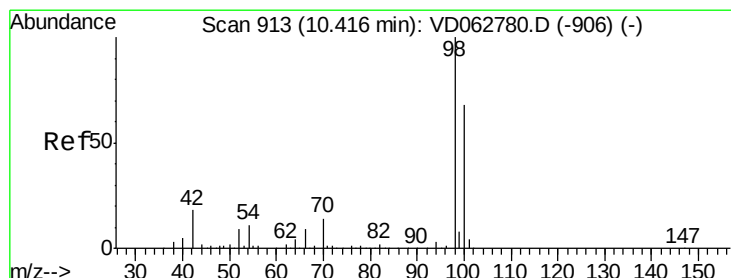
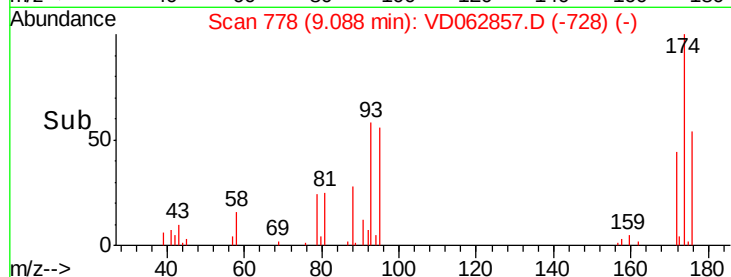
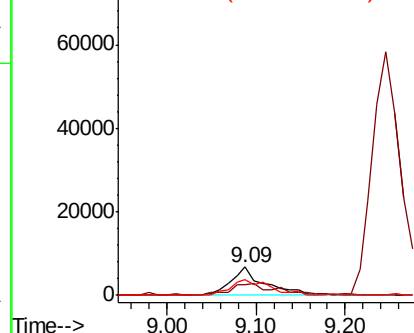
#49
1,4-Dioxane
Concen: 510.620 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

Tot Ion	88	Resp	17579
Ion Ratio	Lower	Upper	
88	100		
43	36.3	32.1	48.1
58	55.1	44.1	66.1

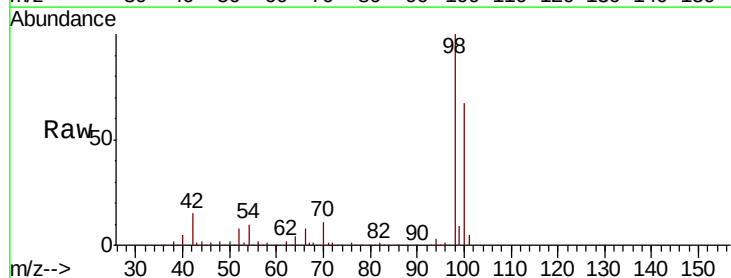


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

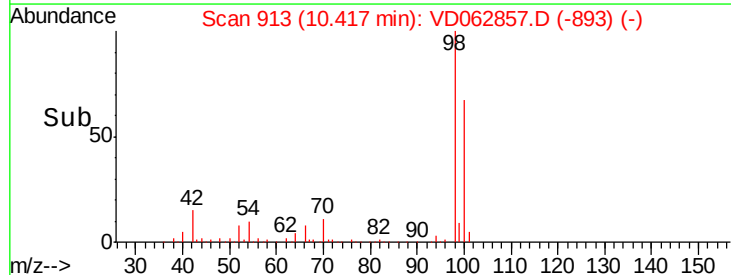
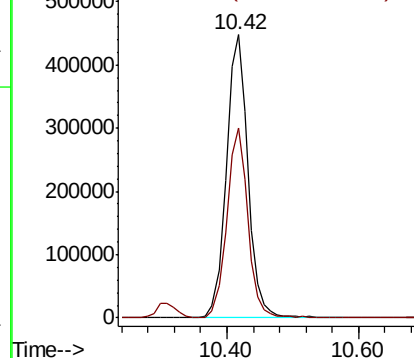


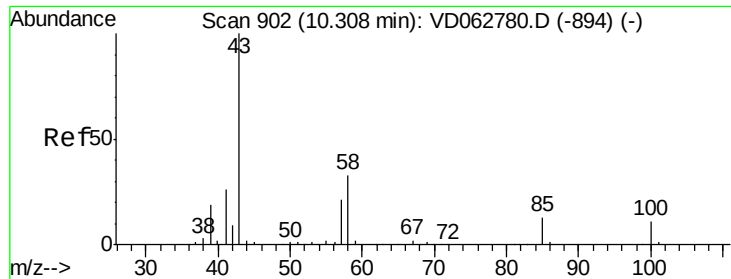
#50
Toluene-d8
Concen: 47.539 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion	98	Resp	1023619
Ion Ratio	Lower	Upper	
98	100		
100	67.0	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: 112.938 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

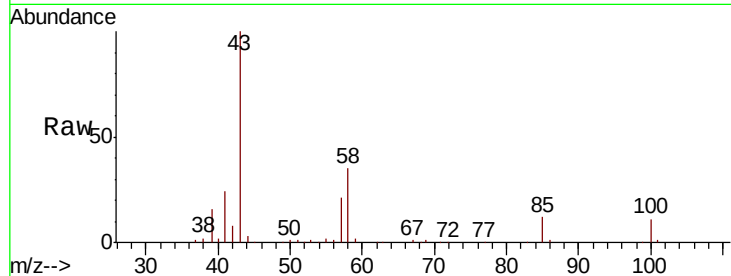
VD0624SBS02

Tot Ion: 43 Resp: 466261

Ion Ratio Lower Upper

43 100

58 34.8 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

200000

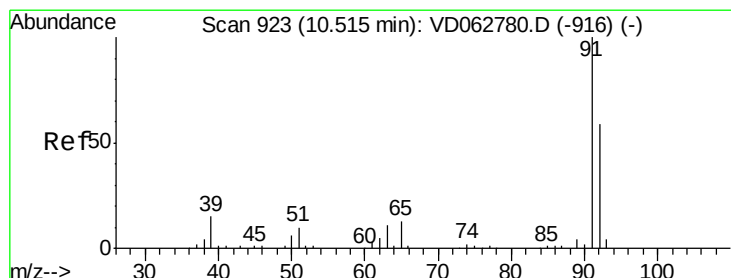
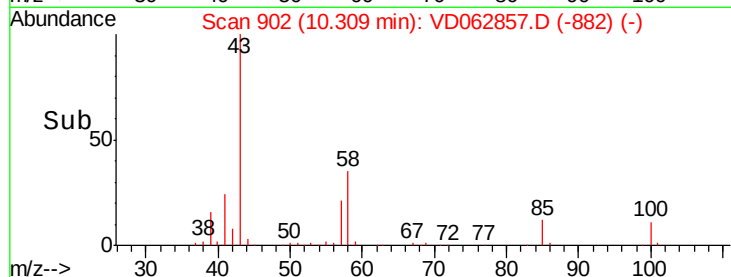
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.275 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062857.D

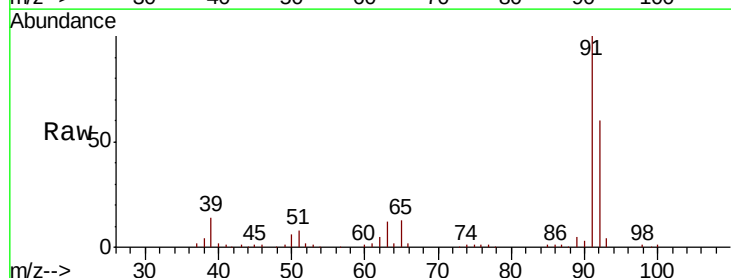
Acq: 25 Jun 2019 1:10

Tgt Ion: 92 Resp: 288867

Ion Ratio Lower Upper

92 100

91 167.4 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

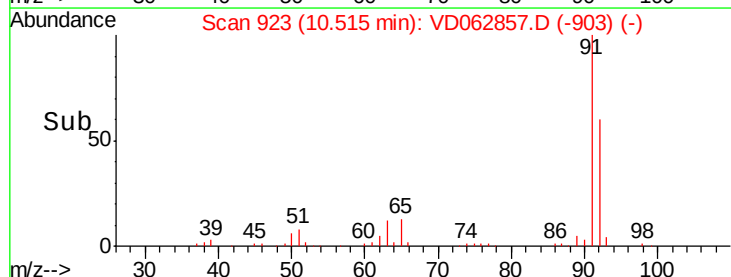
150000

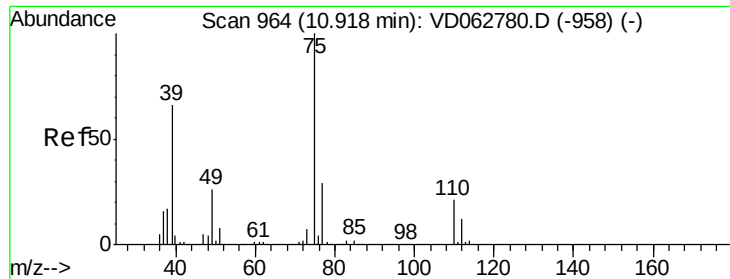
100000

50000

0

Time-->

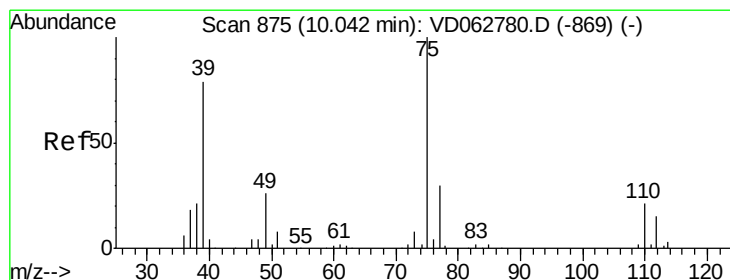
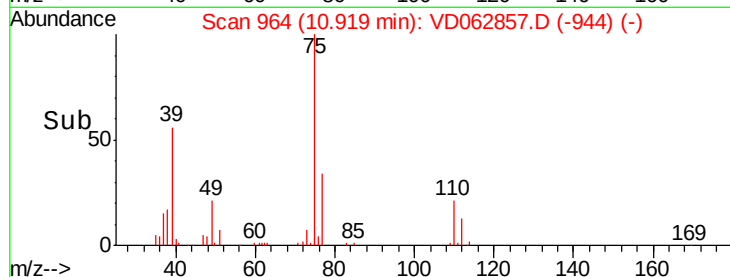
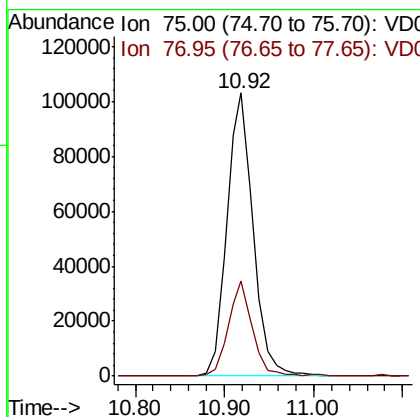
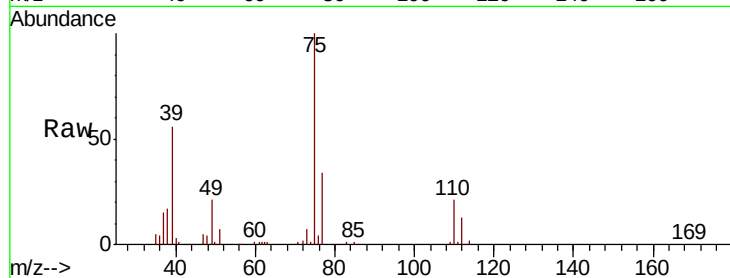




#53
 t-1,3-Dichloropropene
 Concen: 20.996 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

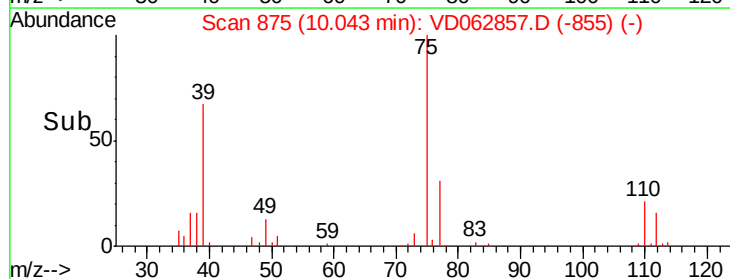
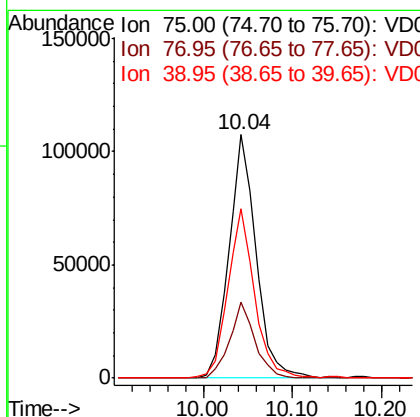
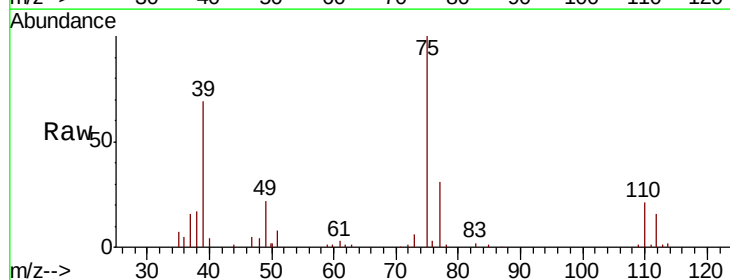
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

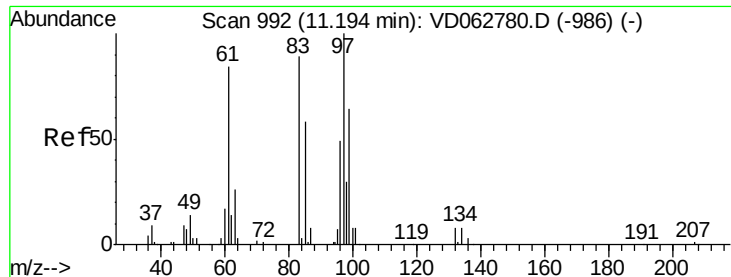
Tot Ion: 75 Resp: 212547
 Ion Ratio Lower Upper
 75 100
 77 33.5 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.758 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 75 Resp: 228401
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.2 36.2
 39 69.5 63.5 95.3

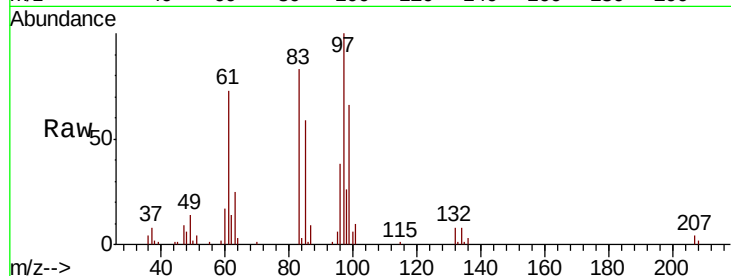




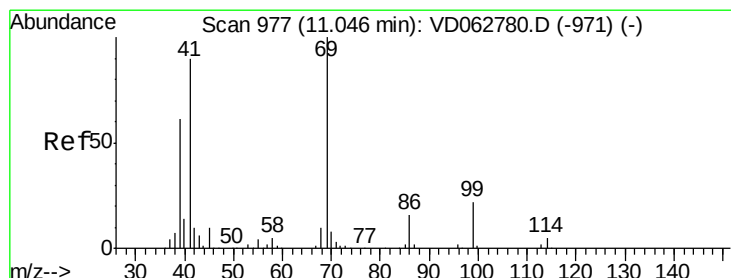
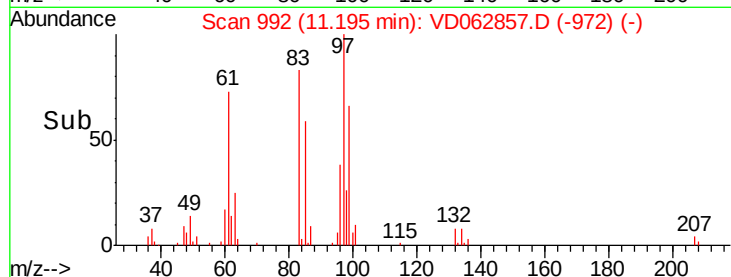
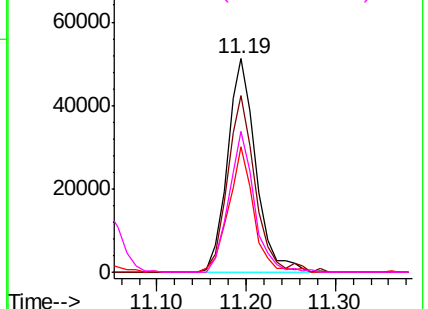
#55
1,1,2-Trichloroethane
Concen: 22.241 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

Tot Ion: 97 Resp: 114518
Ion Ratio Lower Upper
97 100
83 82.6 71.0 106.4
85 58.8 46.6 69.8
99 65.9 51.4 77.0

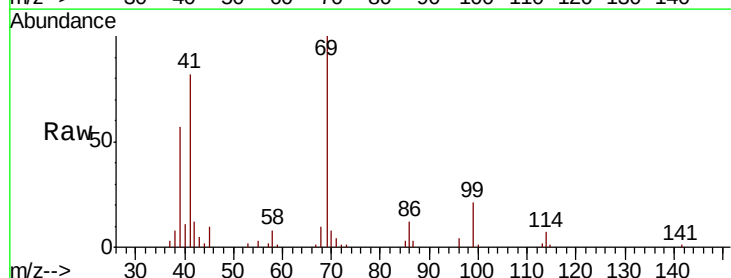


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

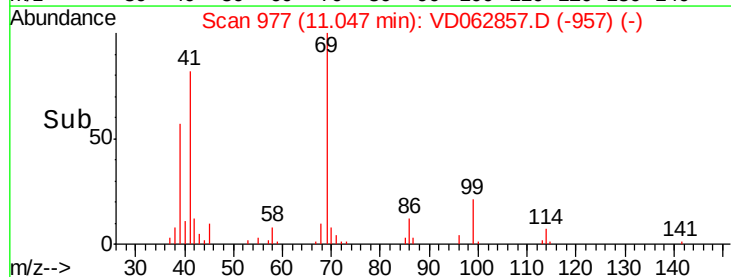
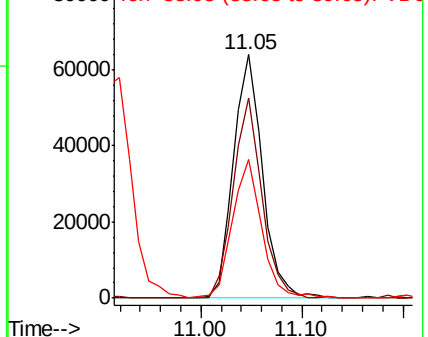


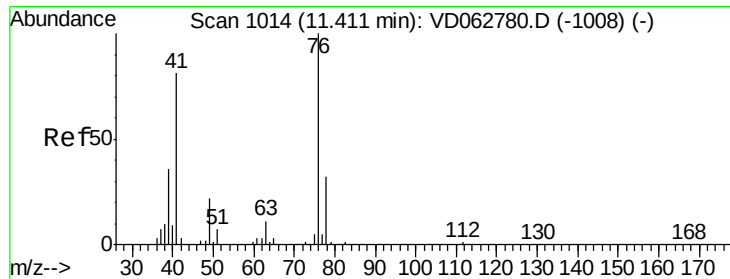
#56
Ethyl methacrylate
Concen: 23.219 ug/l
RT: 11.05 min Scan# 977
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion: 69 Resp: 127765
Ion Ratio Lower Upper
69 100
41 82.1 72.0 108.0
39 57.1 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

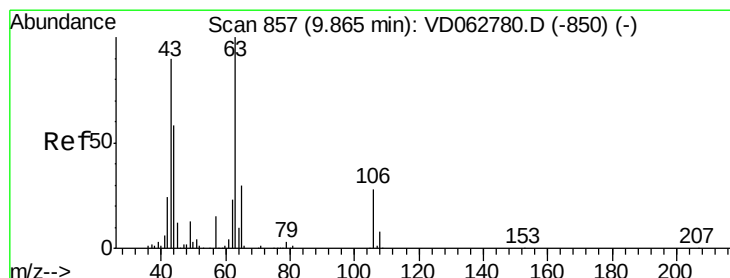
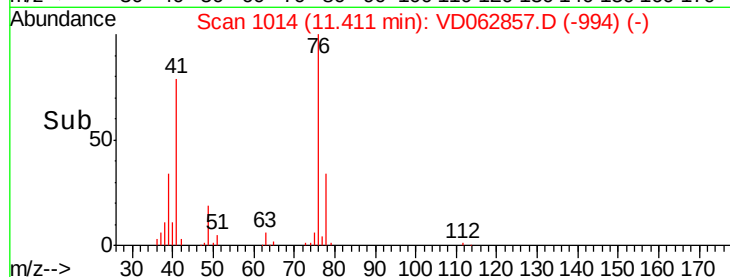
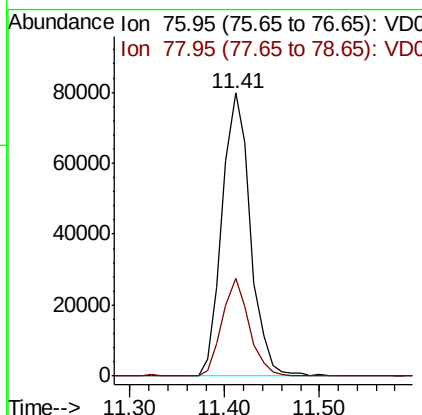
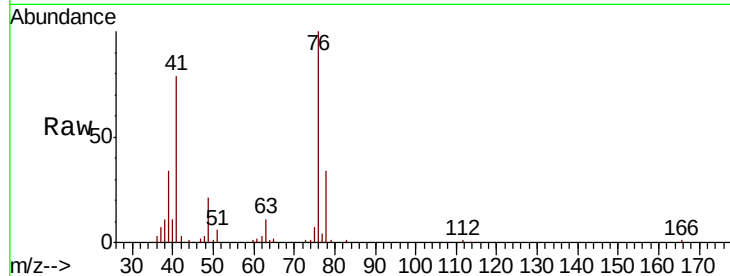




#57
 1,3-Dichloropropane
 Concen: 20.995 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

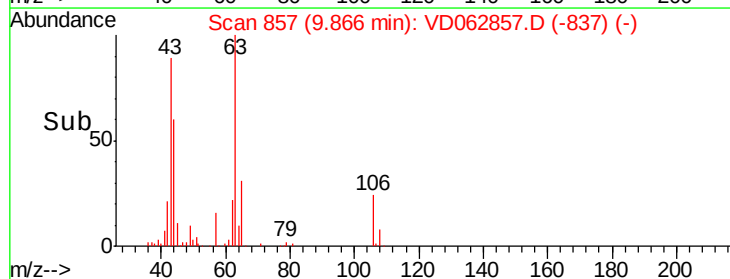
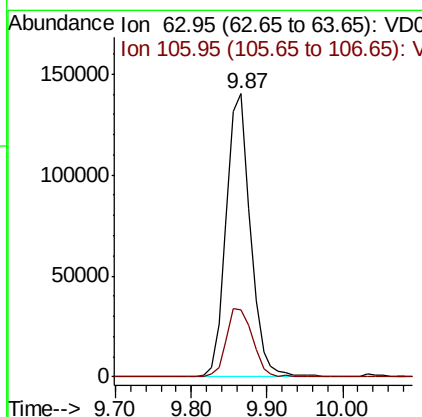
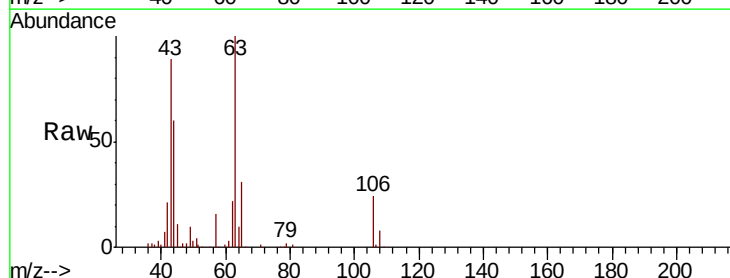
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

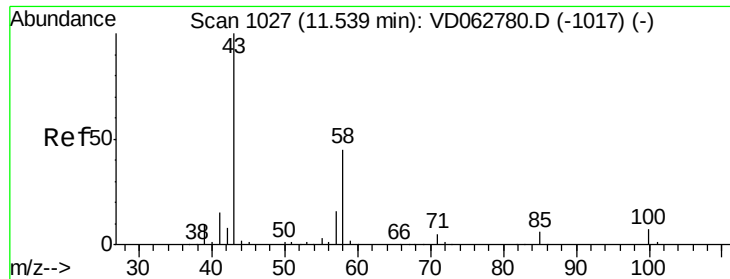
Tot Ion: 76 Resp: 165518
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.005 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 63 Resp: 310757
 Ion Ratio Lower Upper
 63 100
 106 23.8 22.1 33.1

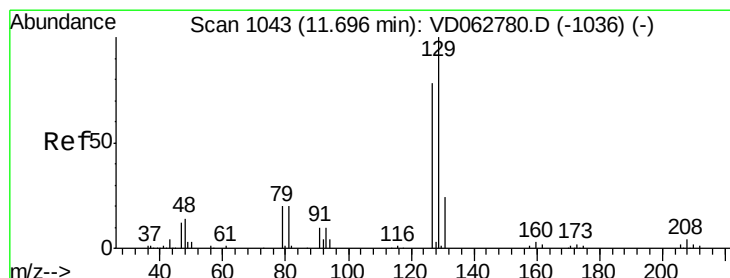
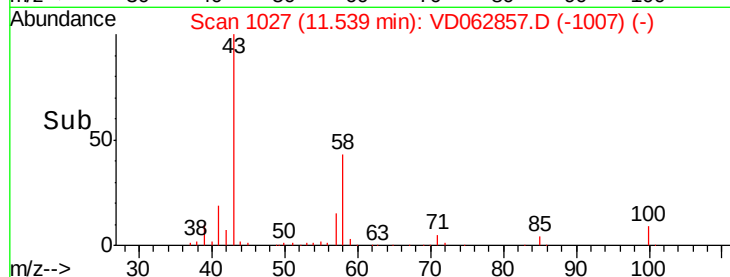
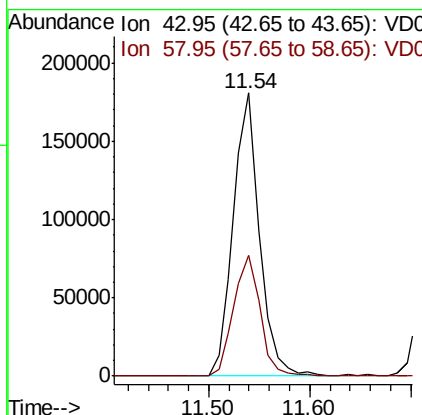
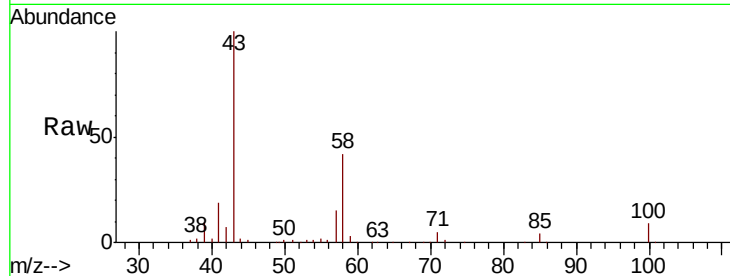




#59
2-Hexanone
Concen: 111.225 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

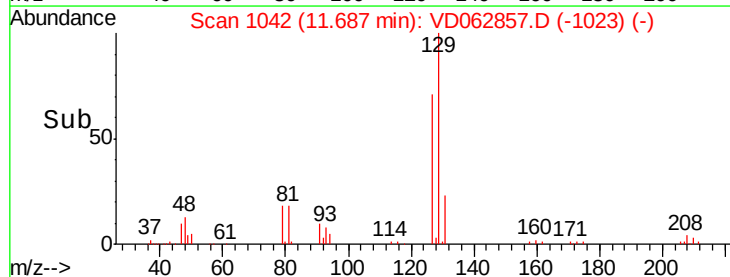
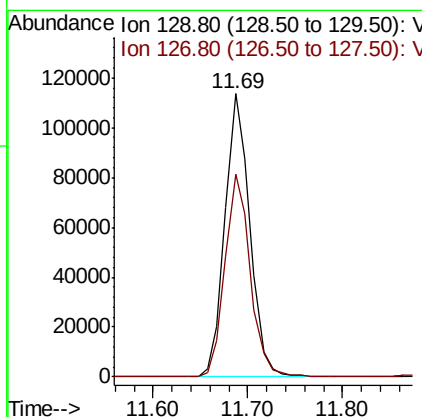
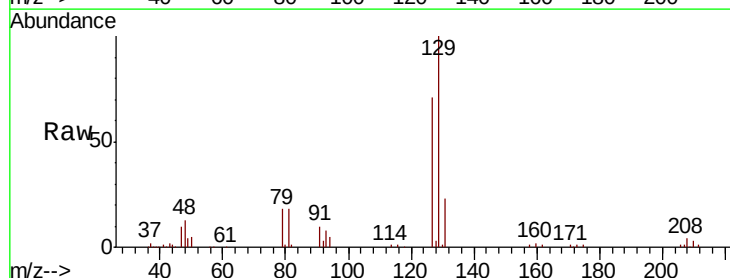
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

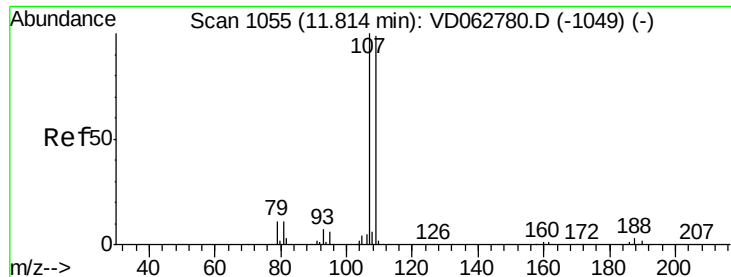
Tot Ion: 43 Resp: 327030
Ion Ratio Lower Upper
43 100
58 42.5 22.4 67.2



#60
Dibromochloromethane
Concen: 21.554 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion: 129 Resp: 206715
Ion Ratio Lower Upper
129 100
127 71.5 38.9 116.6

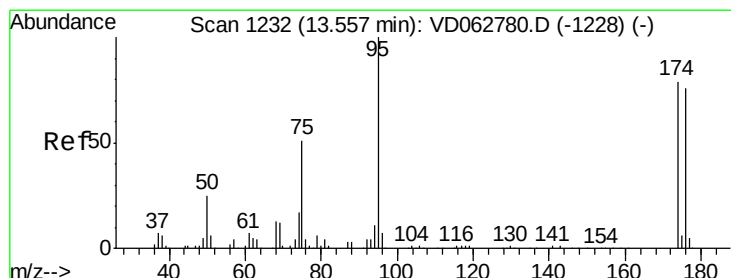
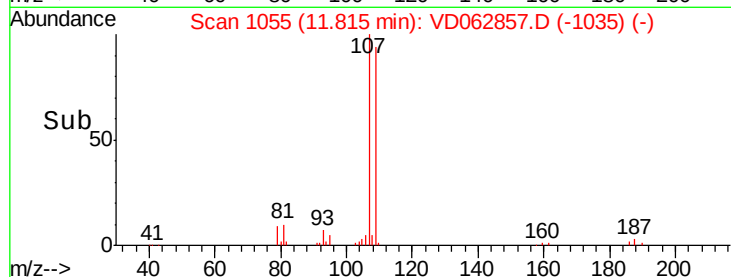
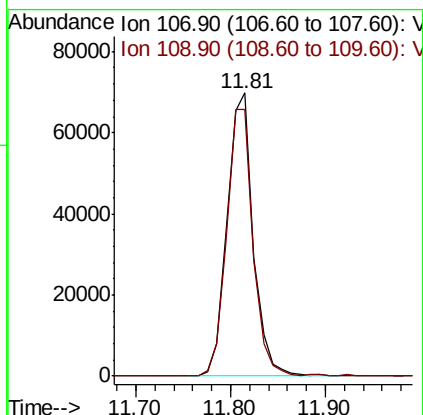
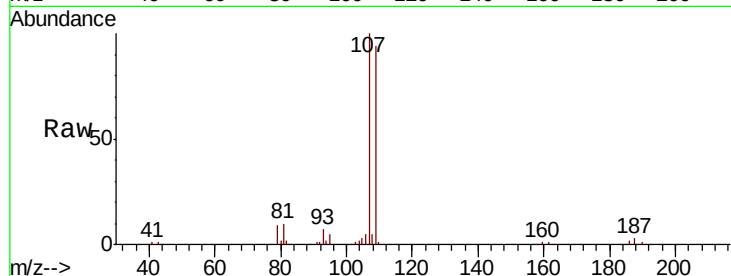




#61
 1,2-Dibromoethane
 Concen: 21.756 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

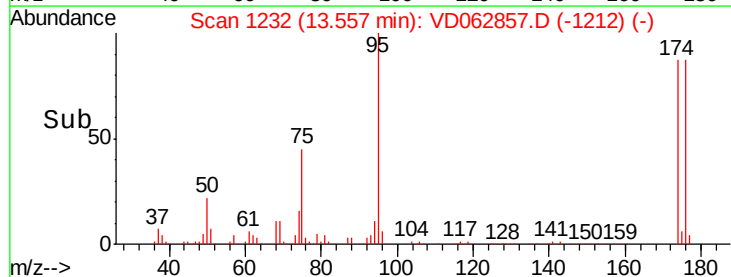
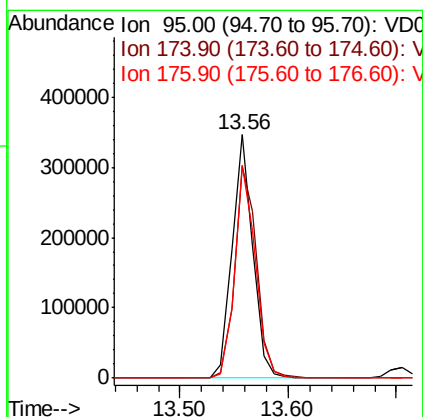
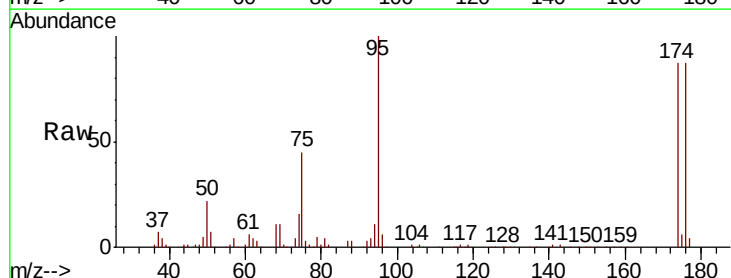
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

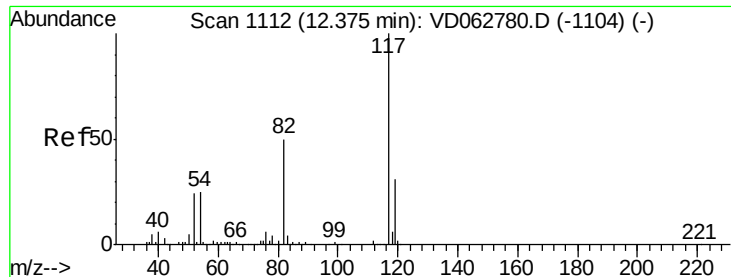
Tot Ion: 107 Resp: 132298
 Ion Ratio Lower Upper
 107 100
 109 94.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.063 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion: 95 Resp: 460791
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 158.0
 176 87.2 0.0 151.6

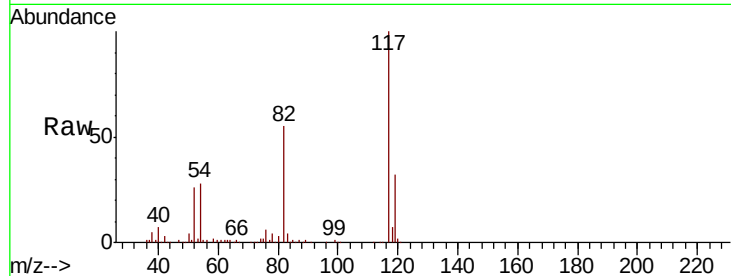




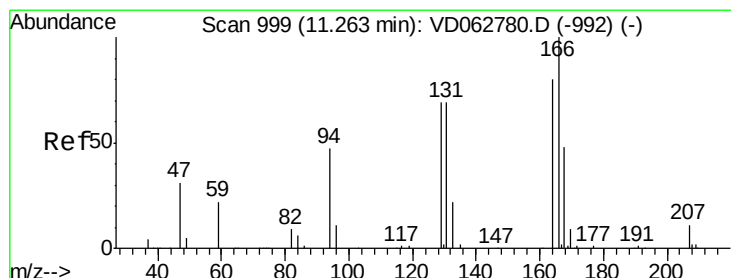
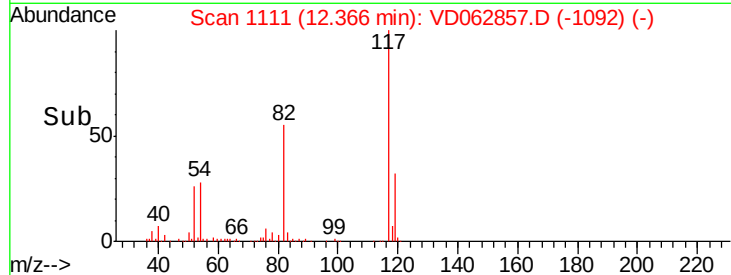
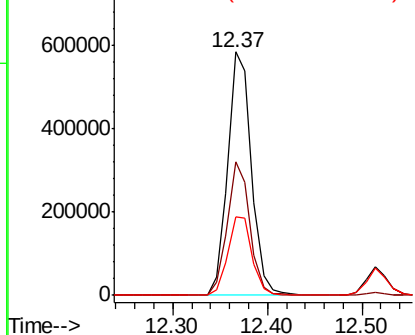
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

Tot Ion:117 Resp: 1010086
Ion Ratio Lower Upper
117 100
82 54.7 40.4 60.6
119 32.3 25.2 37.8

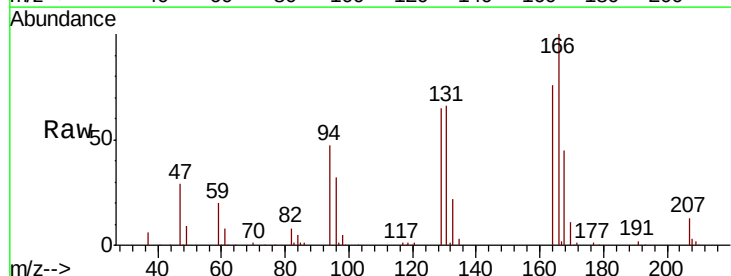


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

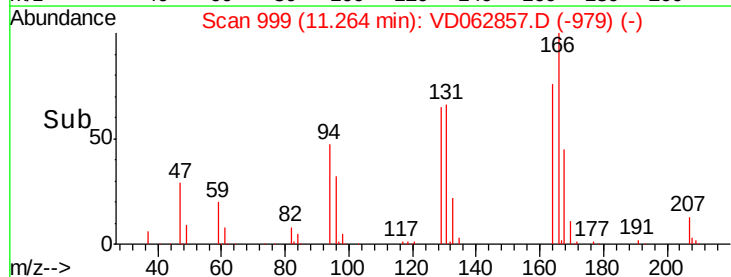
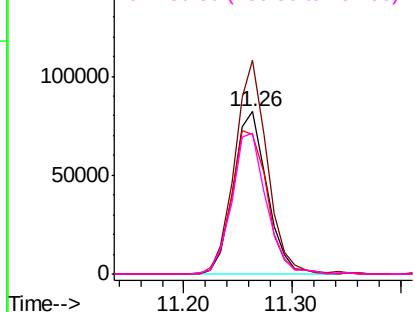


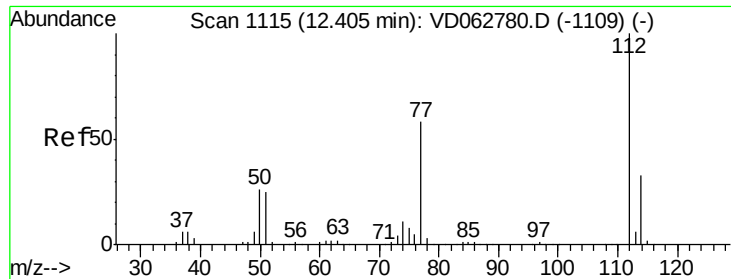
#64
Tetrachloroethene
Concen: 21.367 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion:164 Resp: 177631
Ion Ratio Lower Upper
164 100
166 131.8 100.6 150.8
129 86.3 69.4 104.0
131 86.8 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

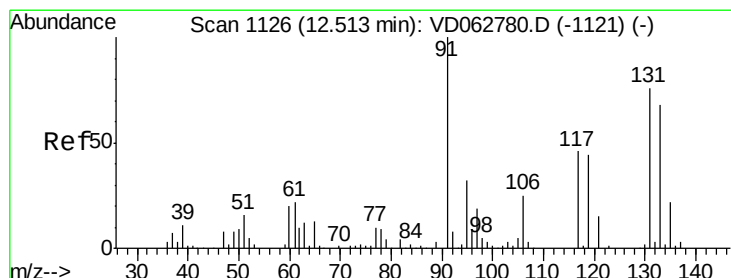
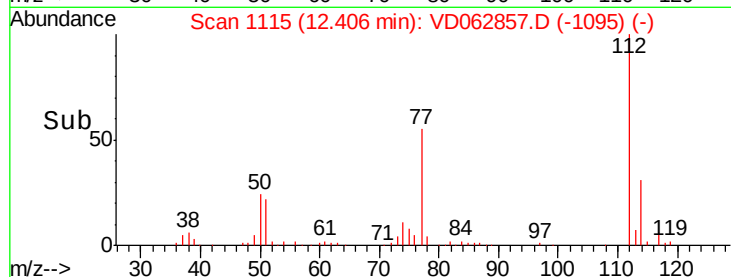
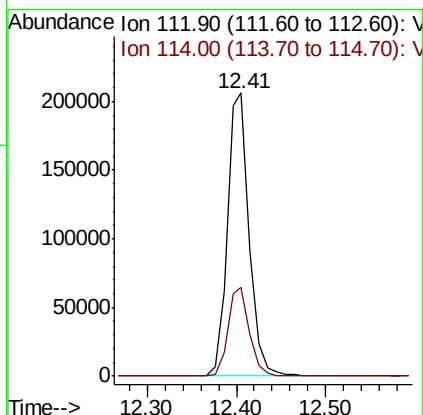
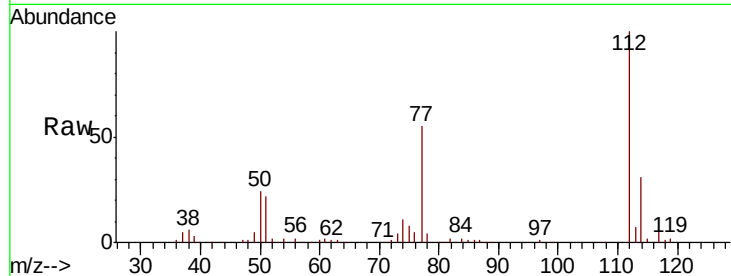




#65
Chlorobenzene
Concen: 18.909 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

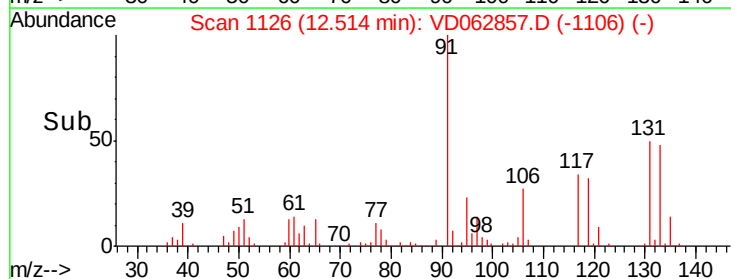
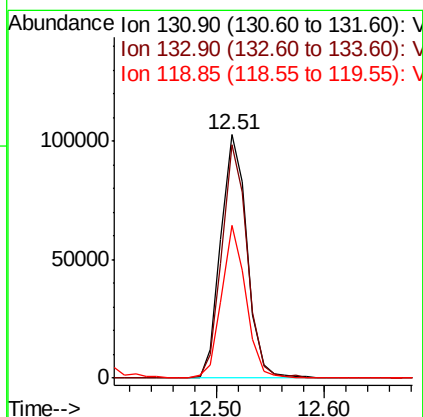
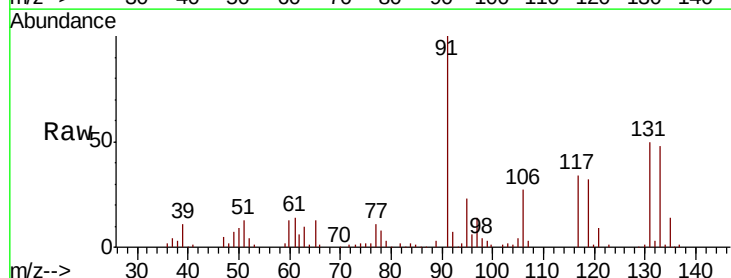
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

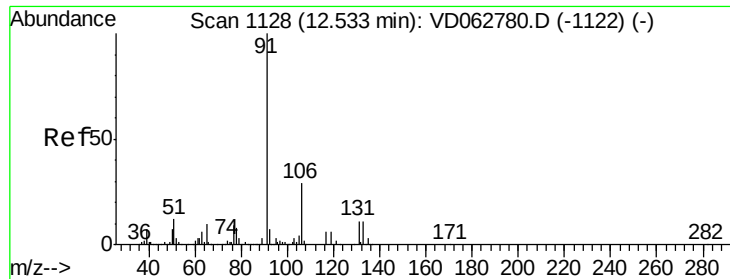
Tot Ion:112 Resp: 354466
Ion Ratio Lower Upper
112 100
114 31.3 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.698 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion:131 Resp: 172687
Ion Ratio Lower Upper
131 100
133 95.8 44.5 133.3
119 62.8 28.6 85.9

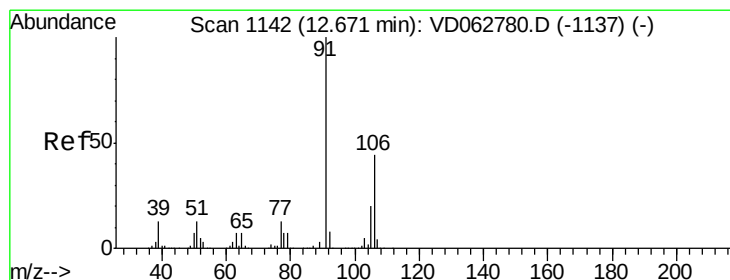
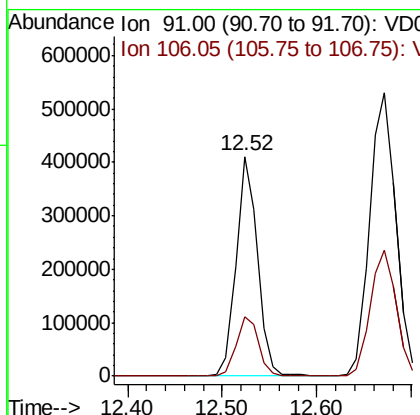
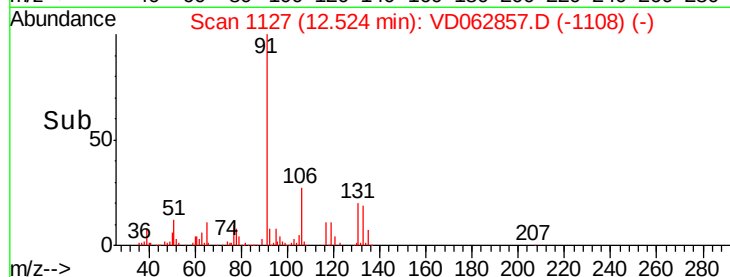
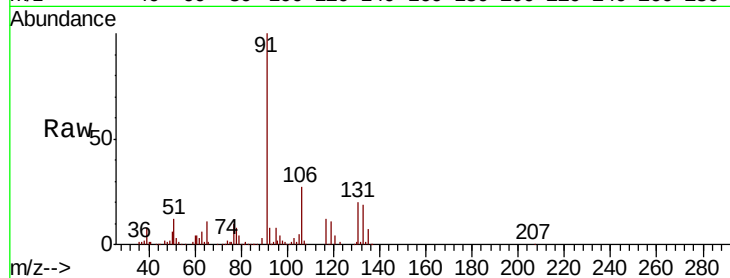




#67
Ethyl Benzene
Concen: 19.013 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

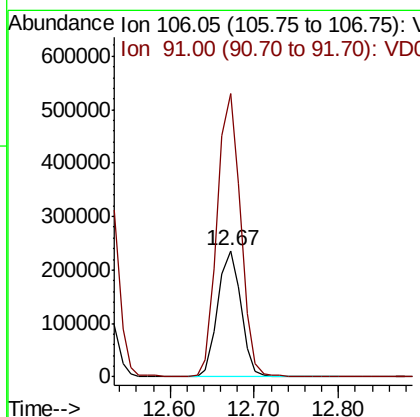
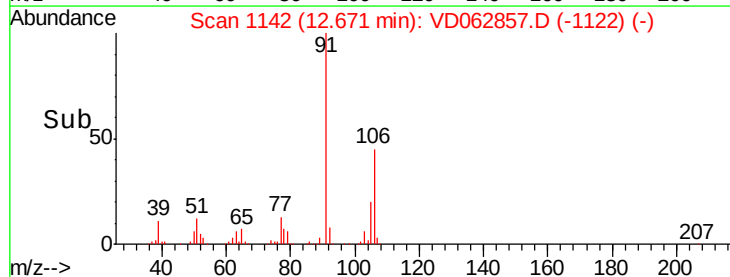
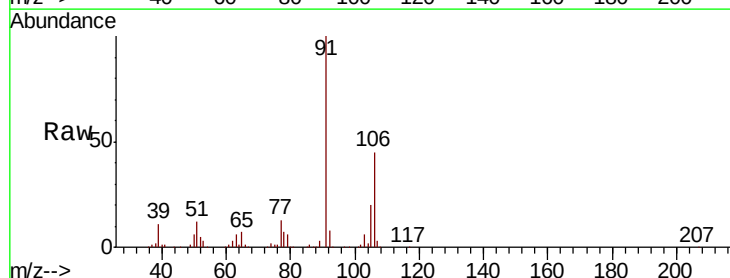
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

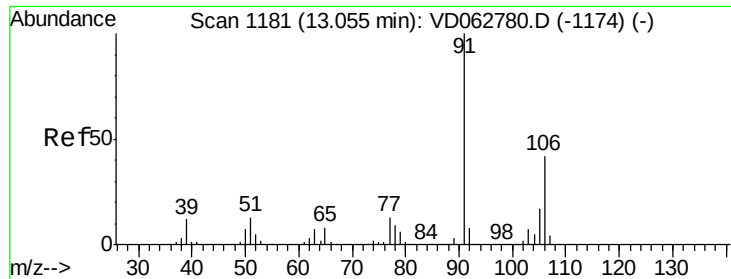
Tot Ion: 91 Resp: 639928
Ion Ratio Lower Upper
91 100
106 27.1 23.1 34.7



#68
m/p-Xylenes
Concen: 38.461 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion: 106 Resp: 450848
Ion Ratio Lower Upper
106 100
91 224.2 183.0 274.6

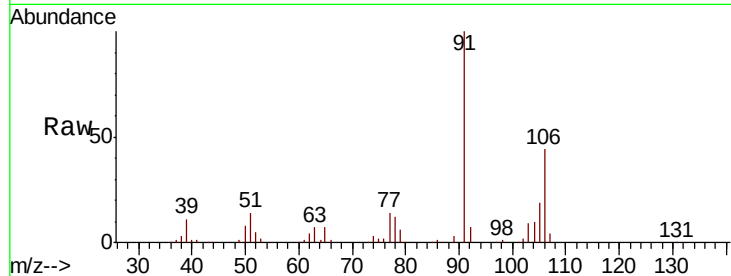




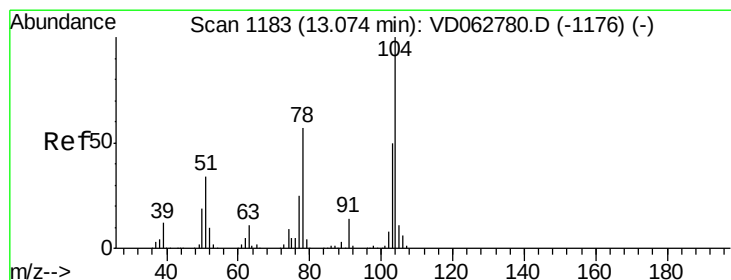
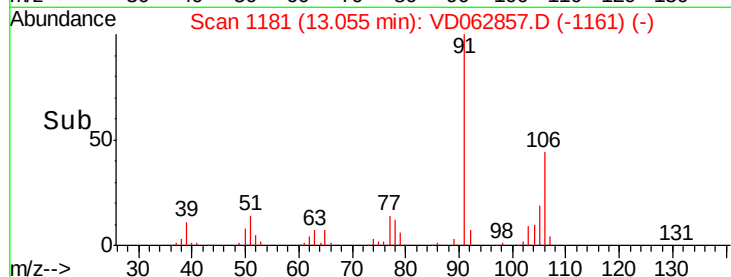
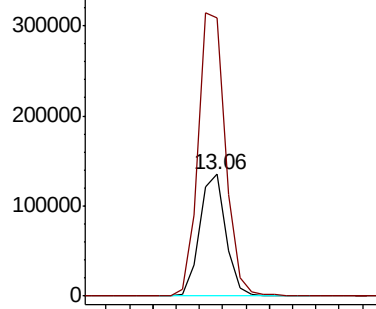
#69
o-Xylene
Concen: 19.710 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

Tot Ion:106 Resp: 211209
Ion Ratio Lower Upper
106 100
91 228.6 117.9 353.6

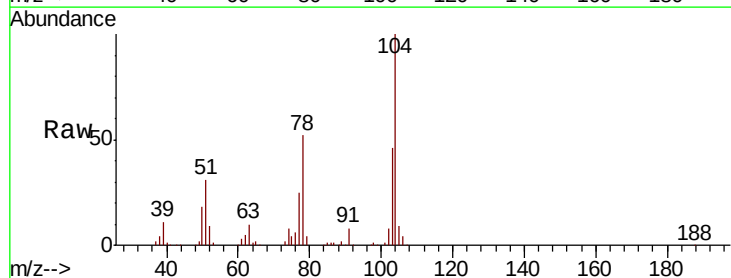


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

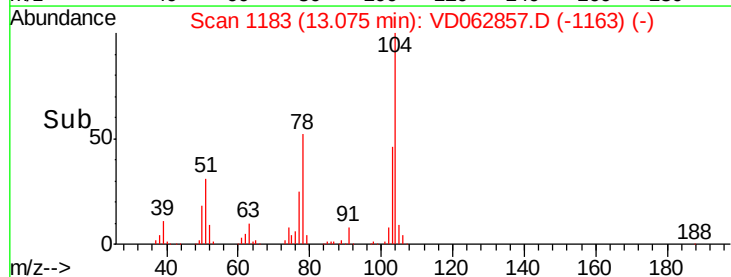
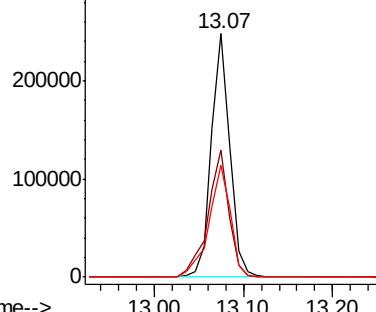


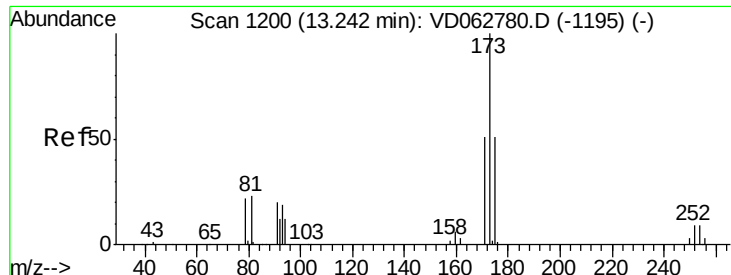
#70
Styrene
Concen: 19.064 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion:104 Resp: 358820
Ion Ratio Lower Upper
104 100
78 52.3 45.4 68.2
103 45.7 39.7 59.5



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





#71

Bromoform

Concen: 19.962 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

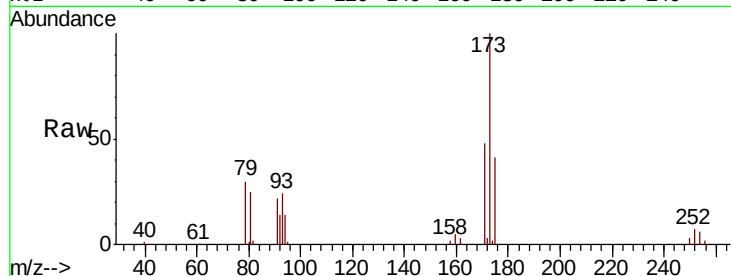
Tot Ion:173 Resp: 119904

Ion Ratio Lower Upper

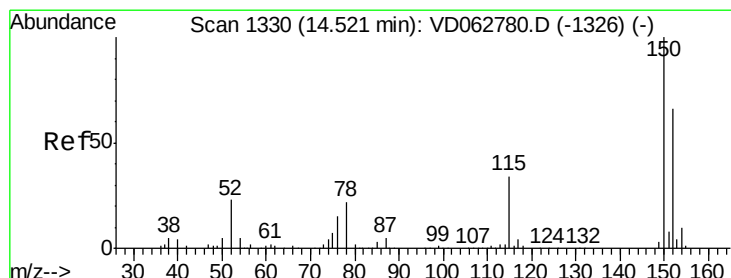
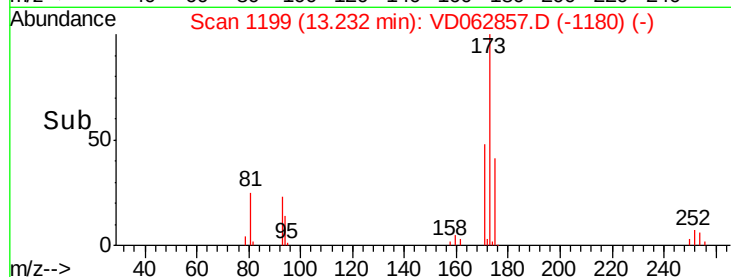
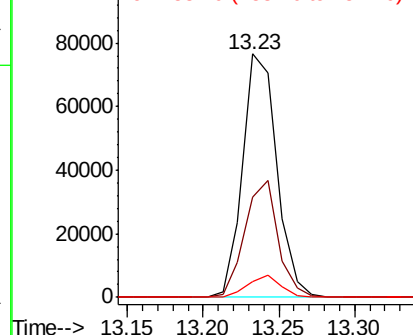
173 100

175 41.2 25.3 75.9

254 6.5 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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

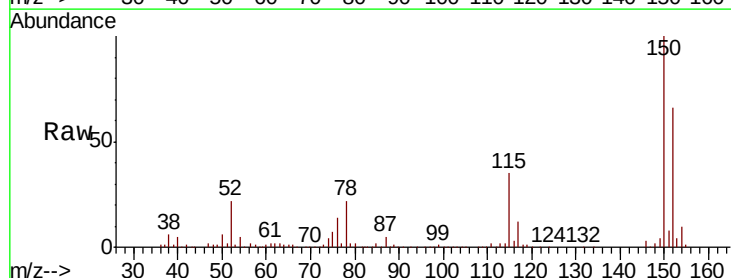
Tgt Ion:152 Resp: 543749

Ion Ratio Lower Upper

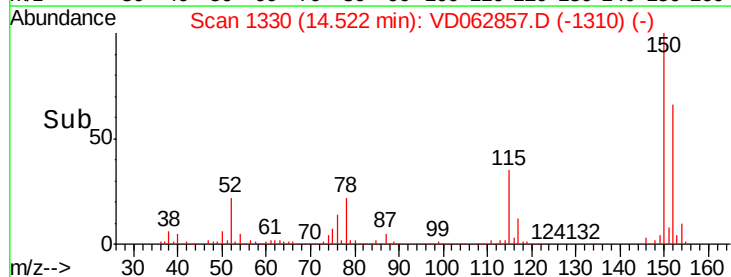
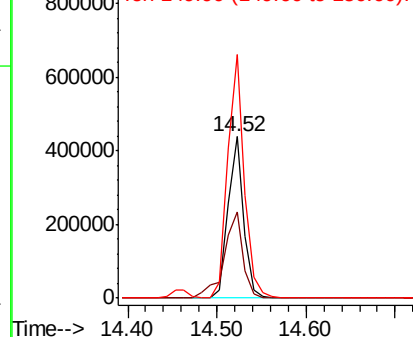
152 100

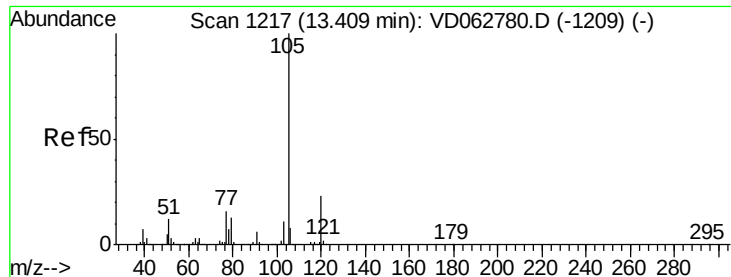
115 53.5 29.2 87.6

150 151.1 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: 18.866 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

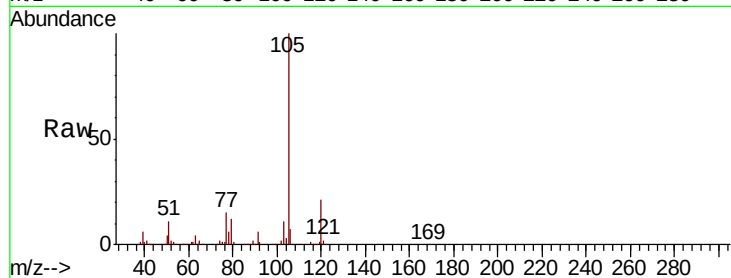
VD0624SBS02

Tot Ion:105 Resp: 657764

Ion Ratio Lower Upper

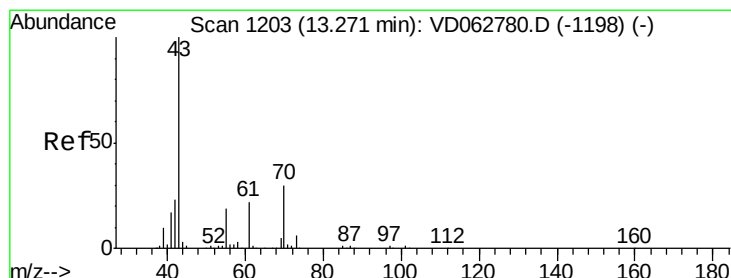
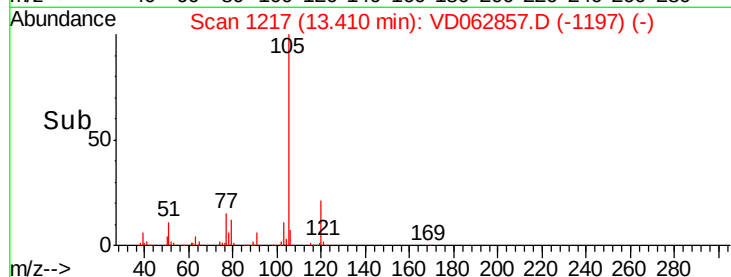
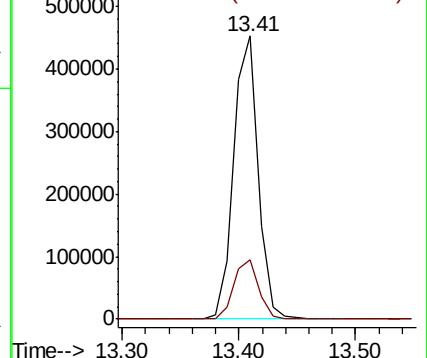
105 100

120 20.9 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.636 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Tgt Ion: 43 Resp: 174721

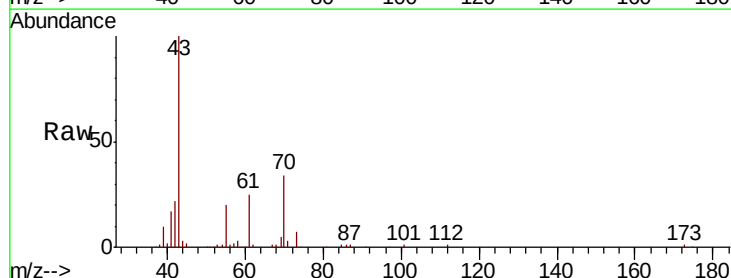
Ion Ratio Lower Upper

43 100

70 33.5 24.4 36.6

55 20.2 15.2 22.8

61 25.3 17.4 26.2

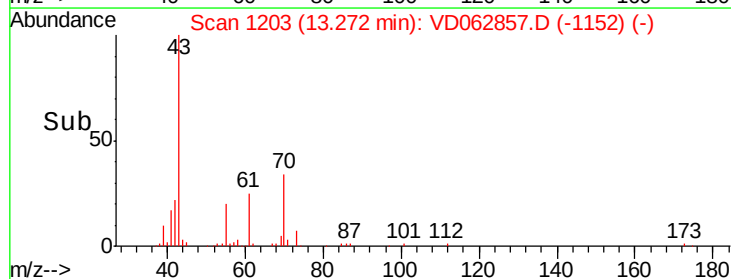
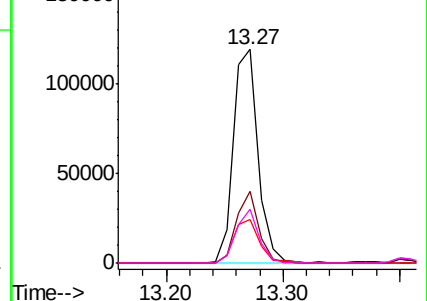


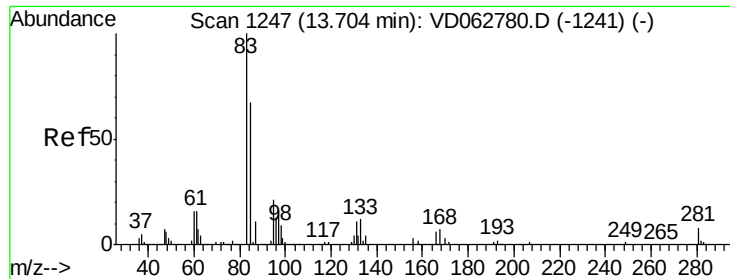
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.902 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

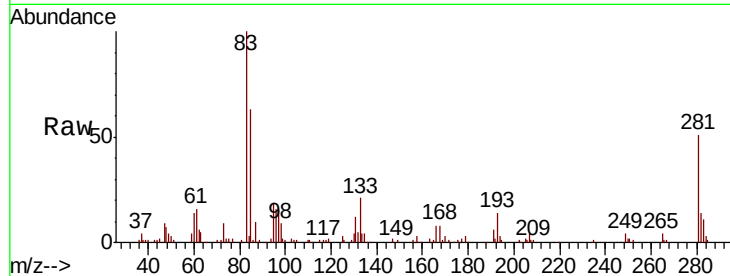
Tot Ion: 83 Resp: 118733

Ion Ratio Lower Upper

83 100

131 12.5 5.3 16.1

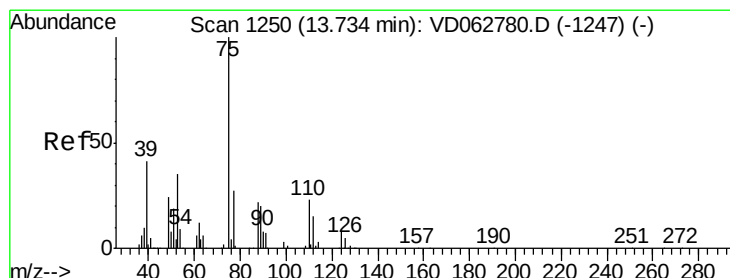
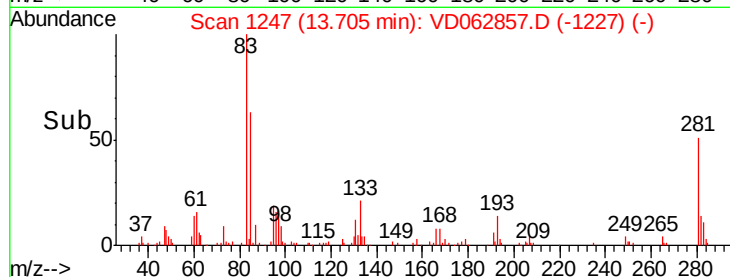
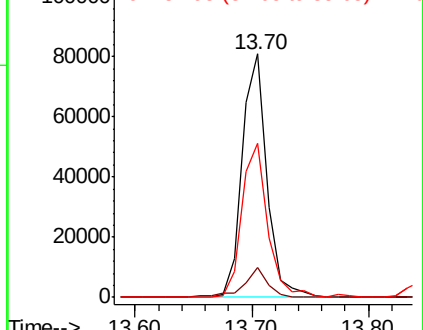
85 63.4 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 20.190 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062857.D

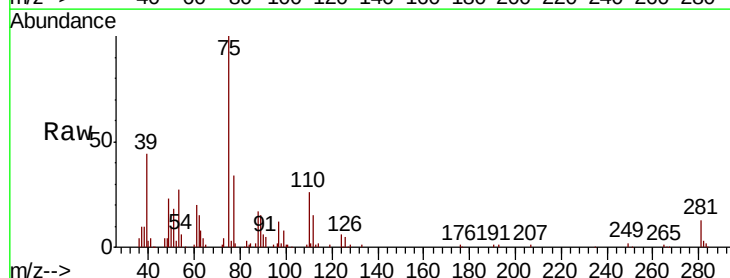
Acq: 25 Jun 2019 1:10

Tgt Ion: 75 Resp: 126736

Ion Ratio Lower Upper

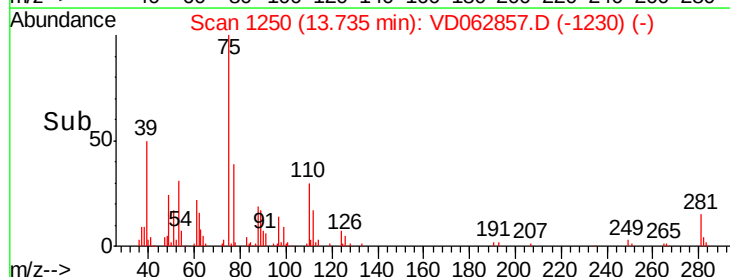
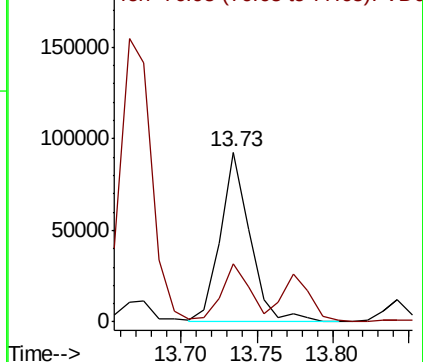
75 100

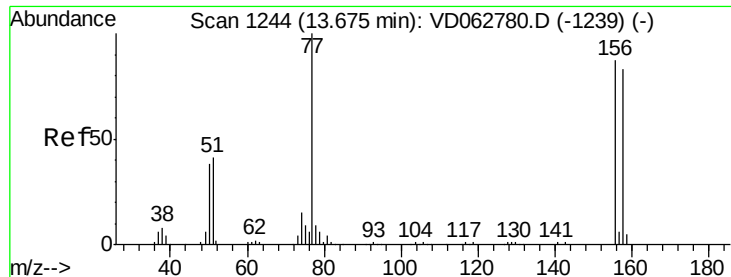
77 34.2 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.716 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

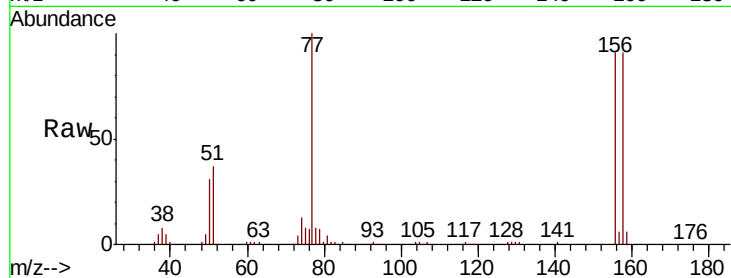
Tot Ion:156 Resp: 175511

Ion Ratio Lower Upper

156 100

77 110.2 57.7 173.1

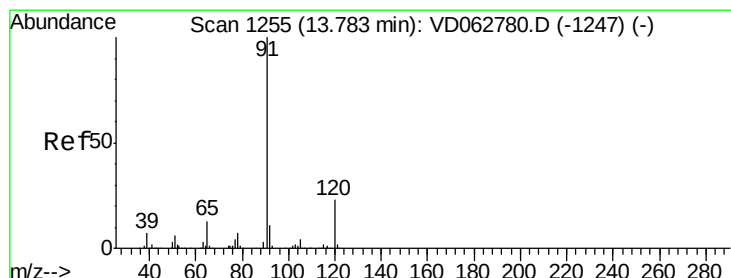
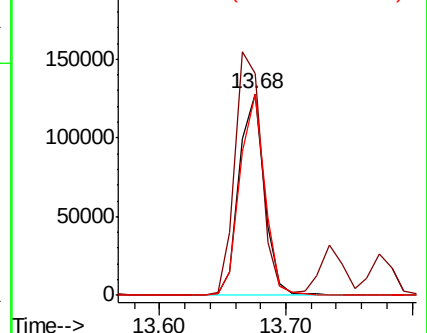
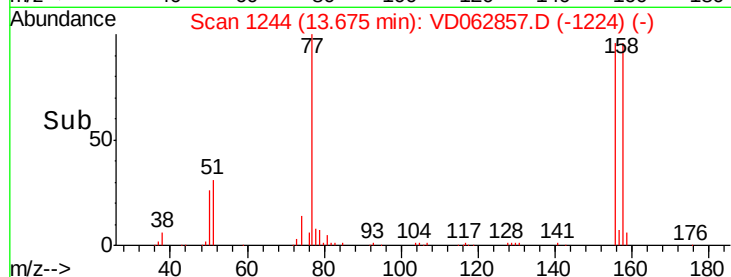
158 100.0 47.7 143.1



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: 18.421 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062857.D

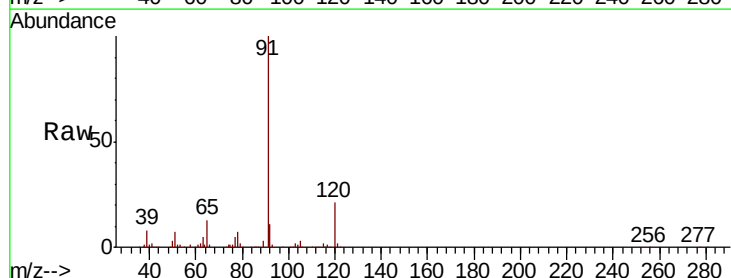
Acq: 25 Jun 2019 1:10

Tgt Ion: 91 Resp: 747480

Ion Ratio Lower Upper

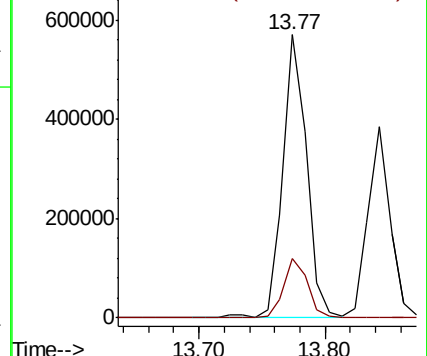
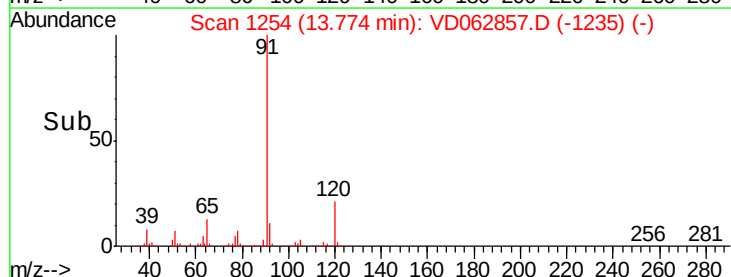
91 100

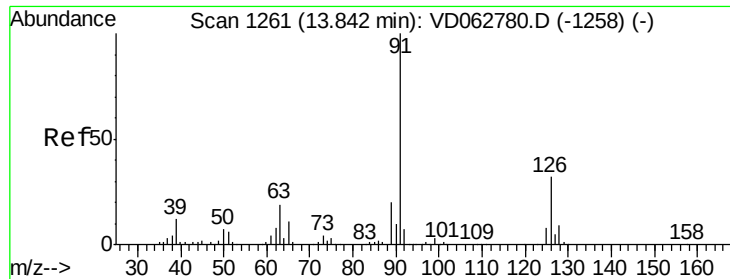
120 20.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.353 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

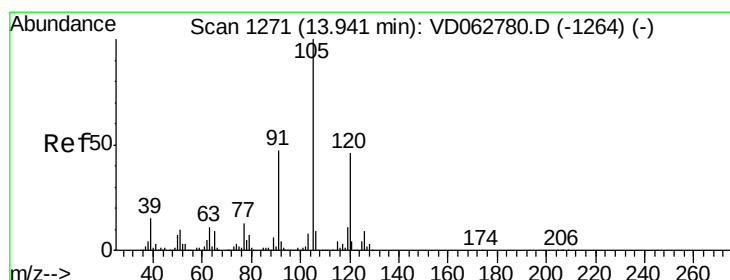
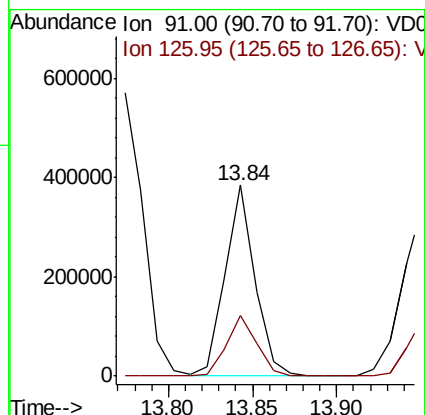
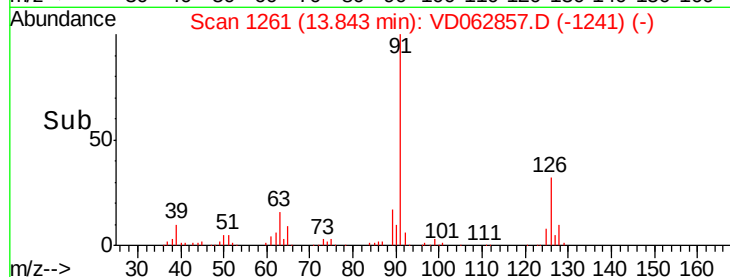
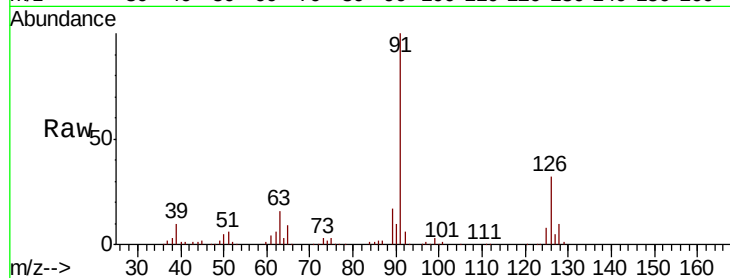
VD0624SBS02

Tot Ion: 91 Resp: 471979

Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 16.935 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062857.D

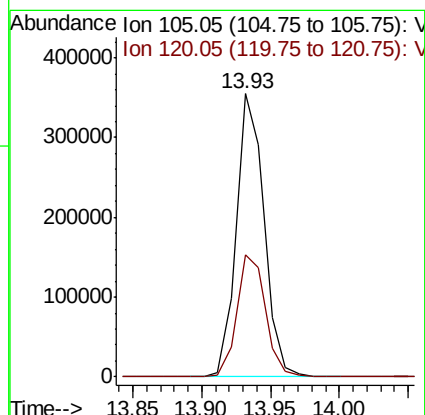
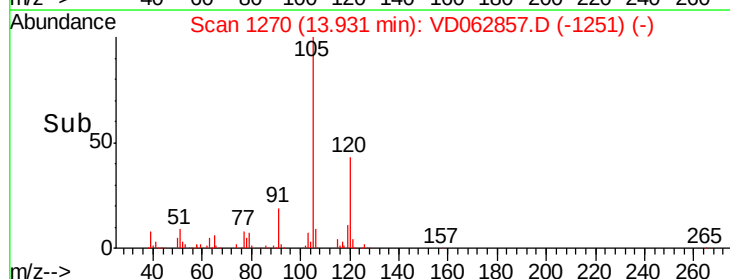
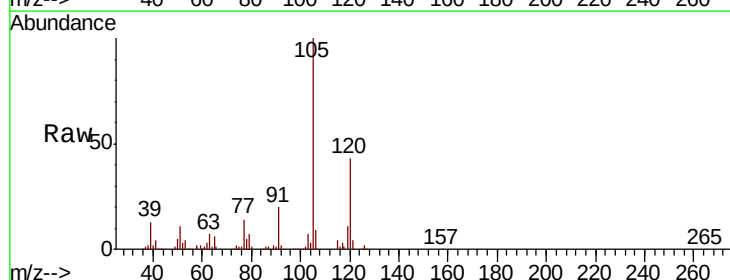
Acq: 25 Jun 2019 1:10

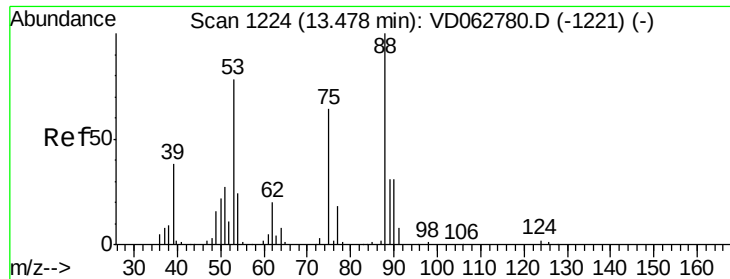
Tgt Ion:105 Resp: 495934

Ion Ratio Lower Upper

105 100

120 43.0 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.055 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

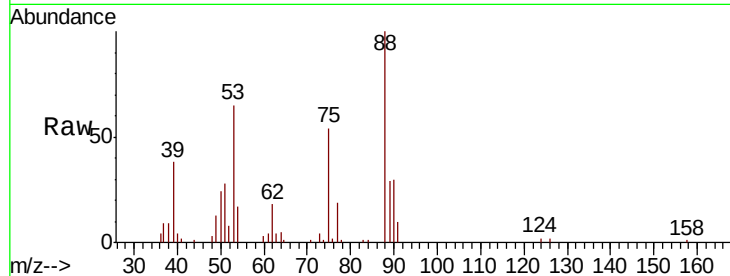
Tot Ion: 75 Resp: 31348

Ion Ratio Lower Upper

75 100

53 120.8 97.8 146.8

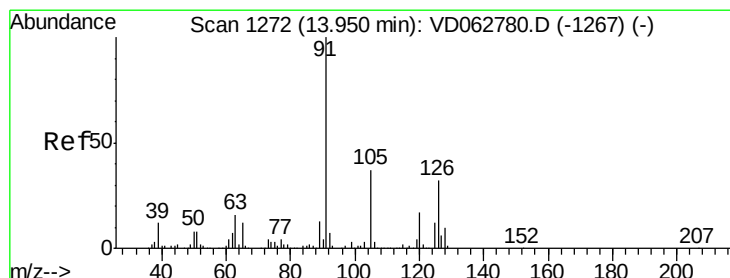
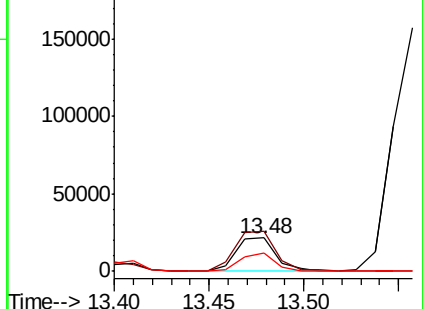
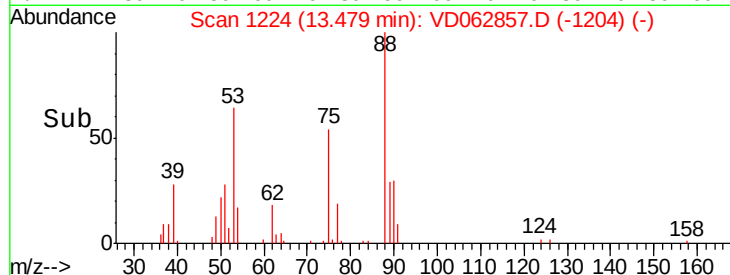
89 53.9 39.4 59.2



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: 17.246 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062857.D

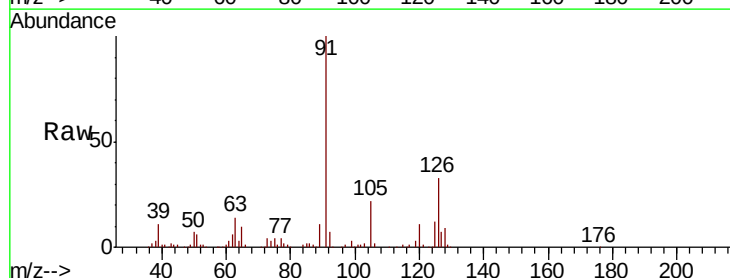
Acq: 25 Jun 2019 1:10

Tgt Ion: 91 Resp: 481493

Ion Ratio Lower Upper

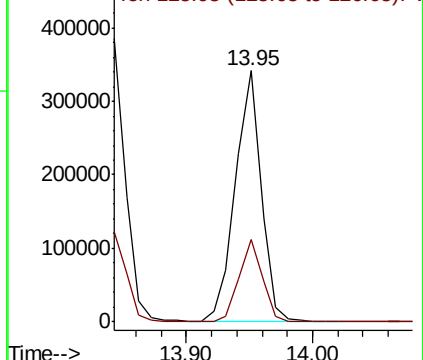
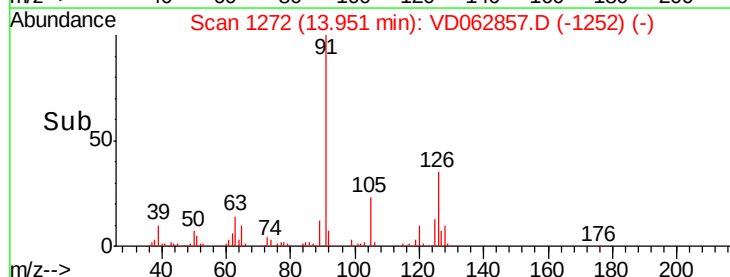
91 100

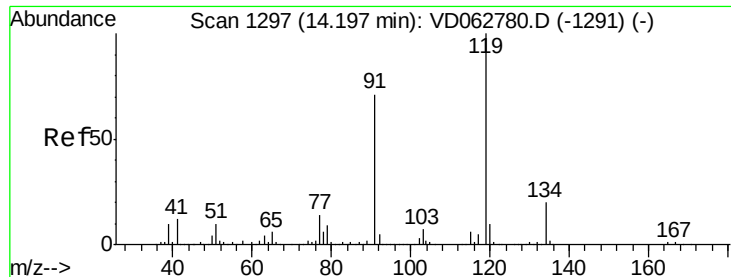
126 32.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 18.992 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

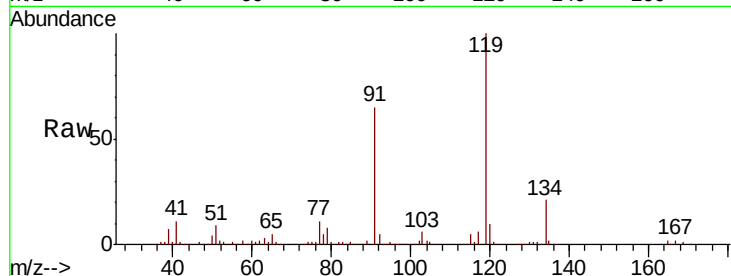
Tot Ion:119 Resp: 619939

Ion Ratio Lower Upper

119 100

91 65.0 35.5 106.5

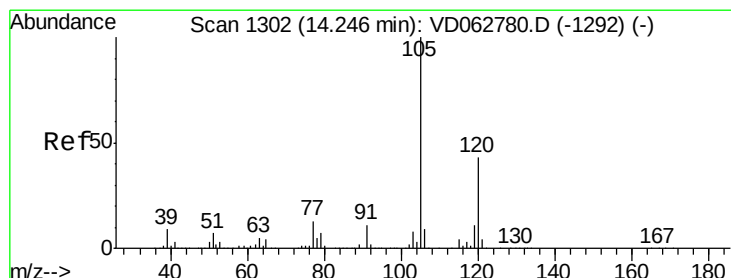
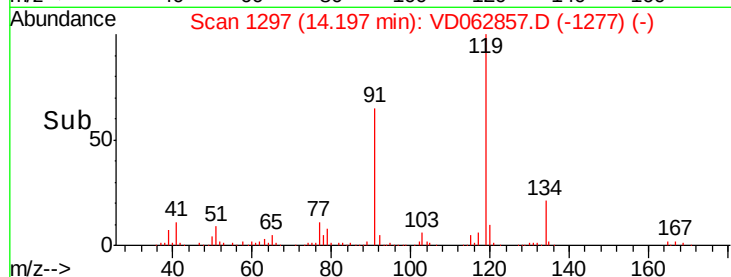
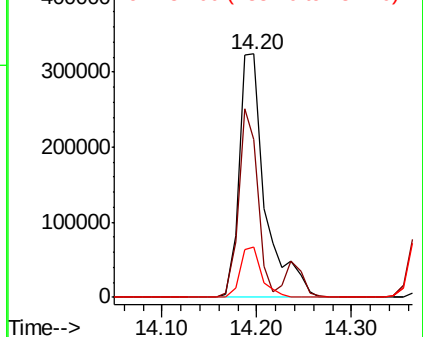
134 20.7 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.880 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062857.D

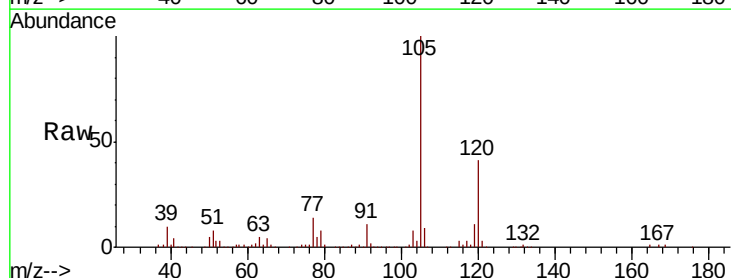
Acq: 25 Jun 2019 1:10

Tgt Ion:105 Resp: 566703

Ion Ratio Lower Upper

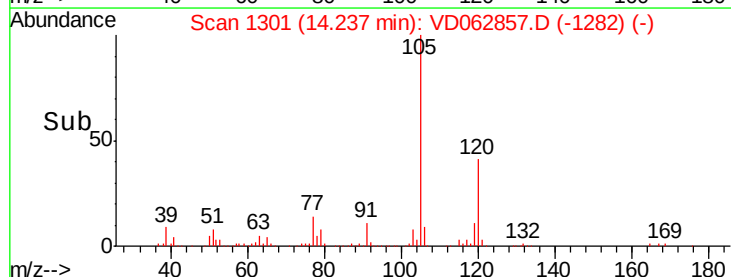
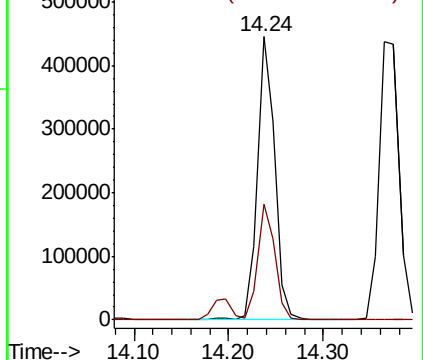
105 100

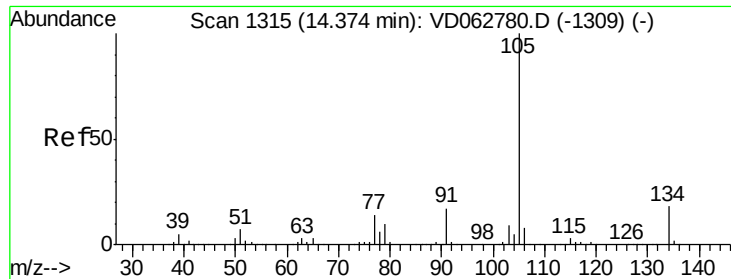
120 40.7 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 18.203 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

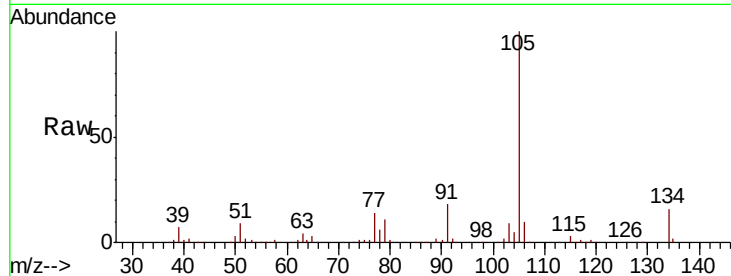
VD0624SBS02

Tot Ion:105 Resp: 645782

Ion Ratio Lower Upper

105 100

134 16.4 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

400000

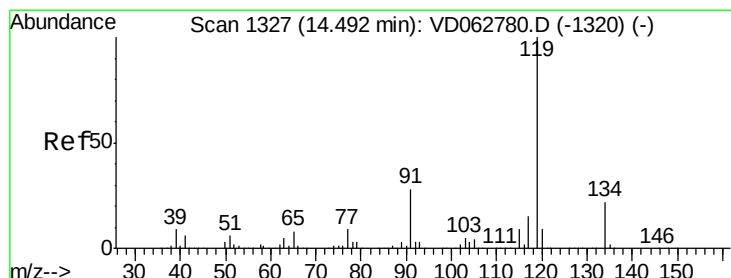
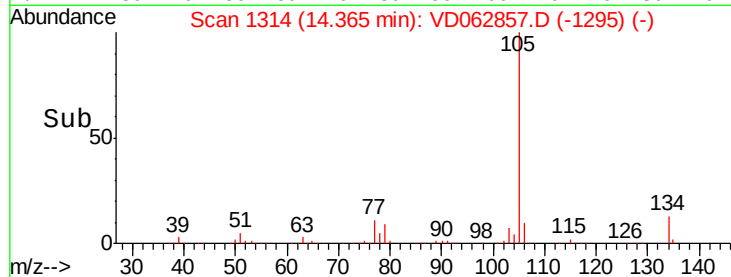
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.371 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

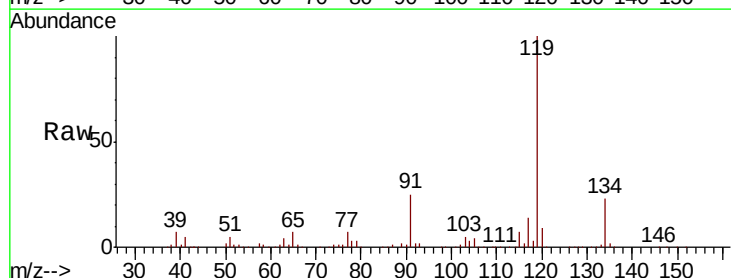
Tgt Ion:119 Resp: 596258

Ion Ratio Lower Upper

119 100

134 22.6 11.1 33.1

91 25.1 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.49

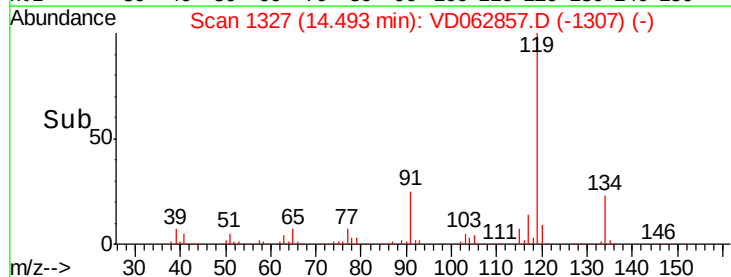
600000

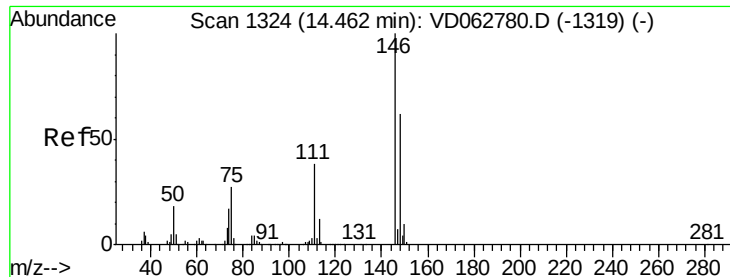
400000

200000

0

Time-->

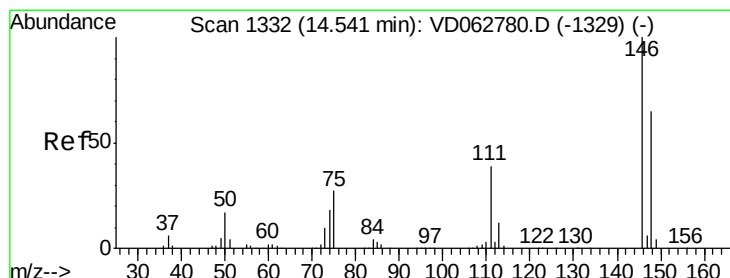
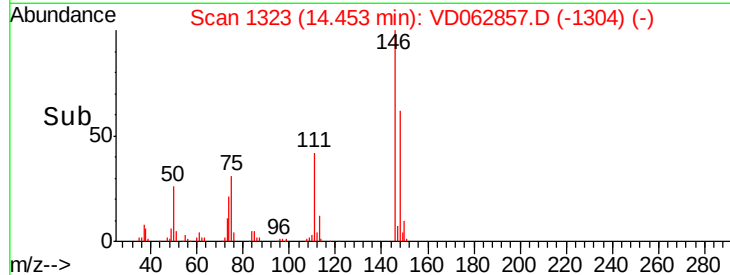
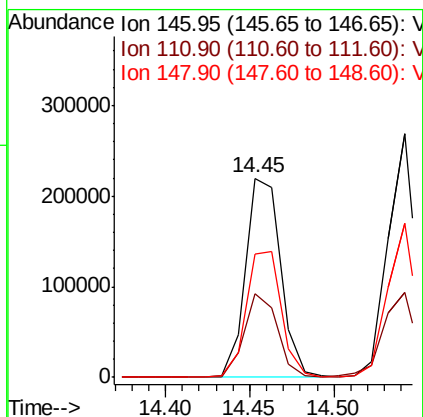
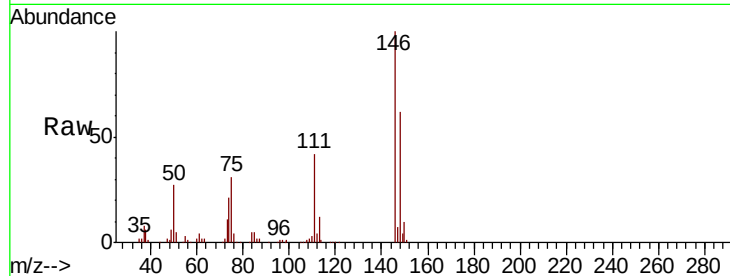




#87
 1,3-Dichlorobenzene
 Concen: 18.924 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

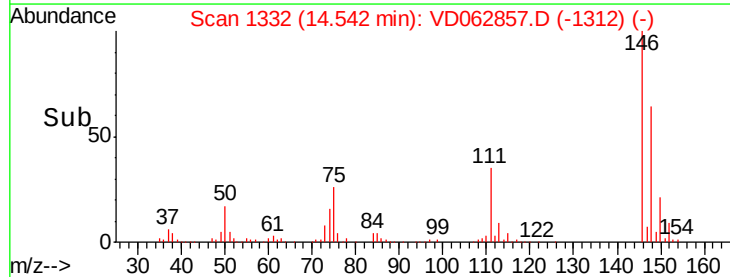
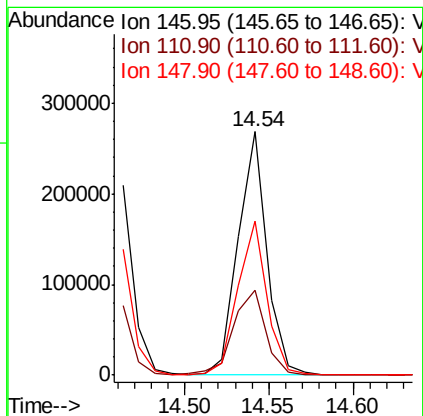
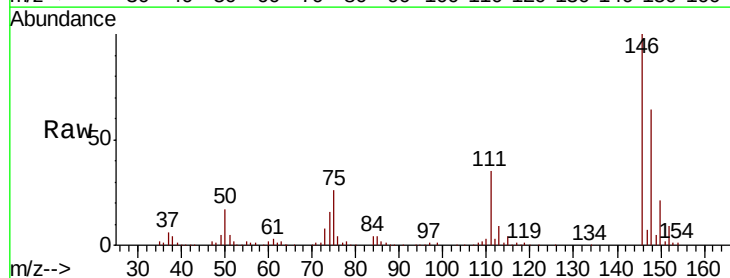
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

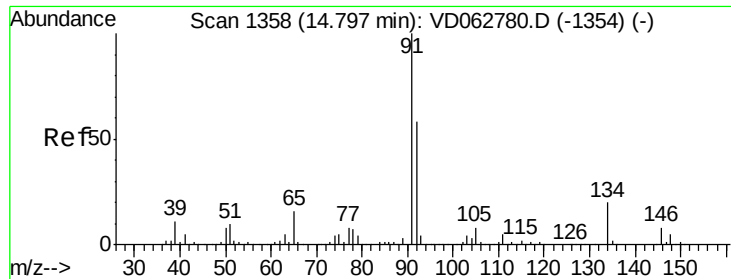
Tot Ion:146 Resp: 318110
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.0 57.0
 148 62.0 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 18.732 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion:146 Resp: 316261
 Ion Ratio Lower Upper
 146 100
 111 34.8 19.7 59.1
 148 63.5 32.8 98.3





#89

n-Butylbenzene

Concen: 17.854 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062857.D

Acq: 25 Jun 2019 1:10

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

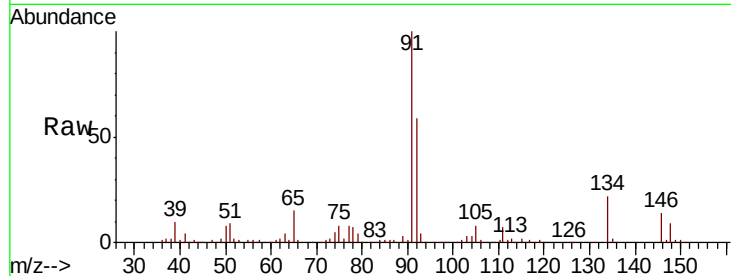
Tot Ion: 91 Resp: 542381

Ion Ratio Lower Upper

91 100

92 59.1 28.9 86.7

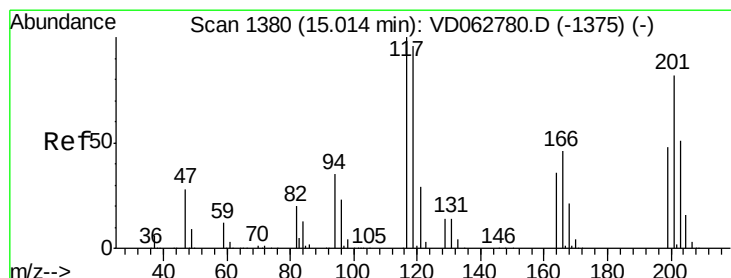
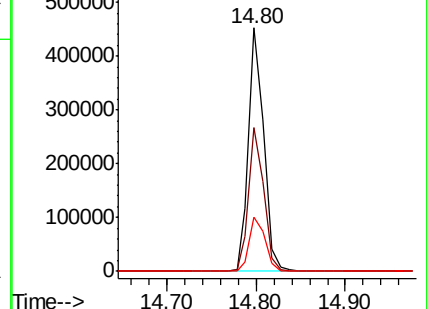
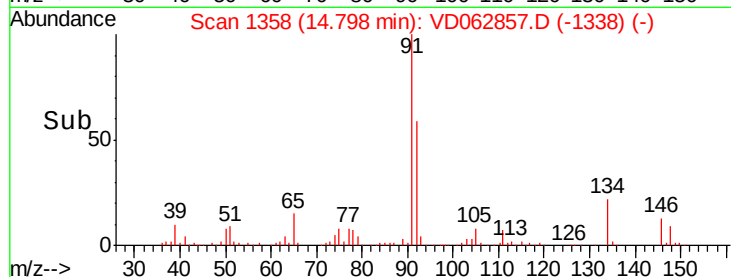
134 22.3 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 17.069 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062857.D

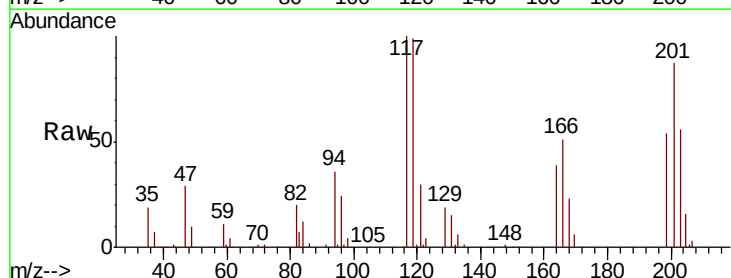
Acq: 25 Jun 2019 1:10

Tgt Ion: 117 Resp: 148957

Ion Ratio Lower Upper

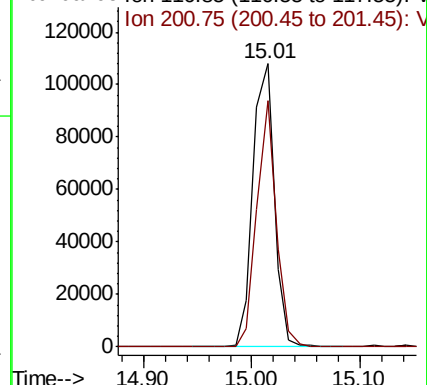
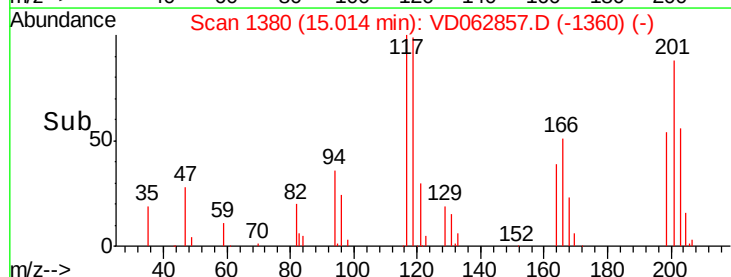
117 100

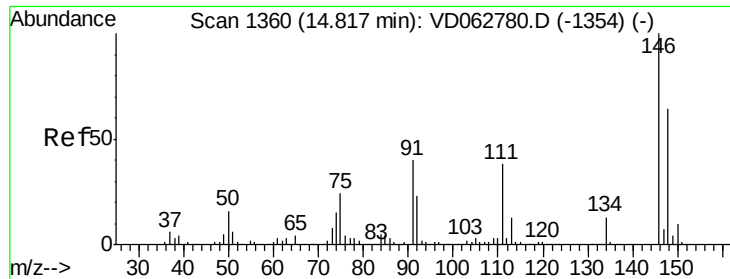
201 87.1 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

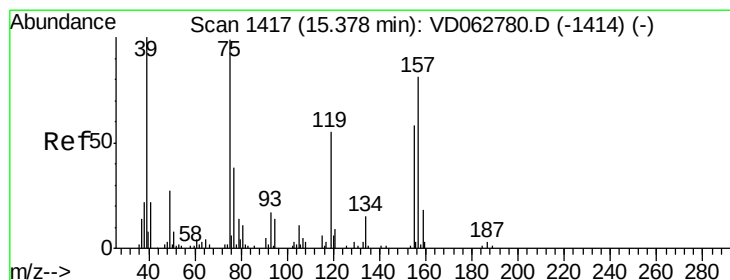
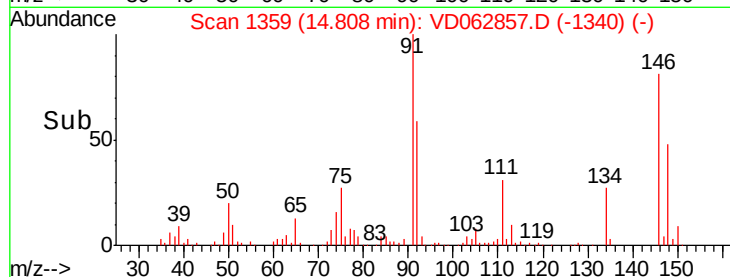
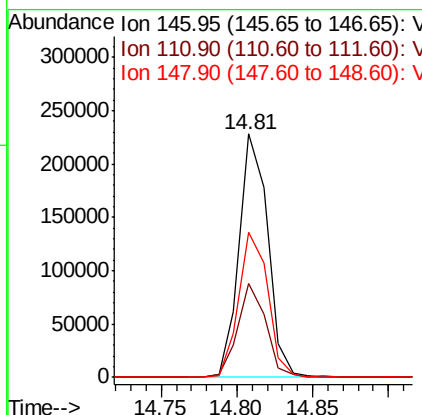
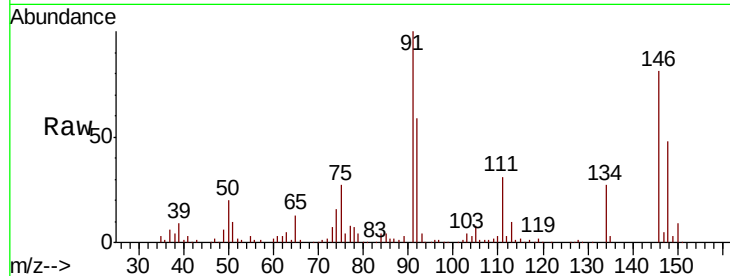




#91
 1,2-Dichlorobenzene
 Concen: 20.957 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

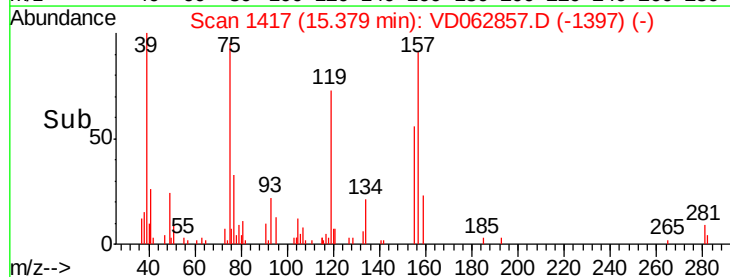
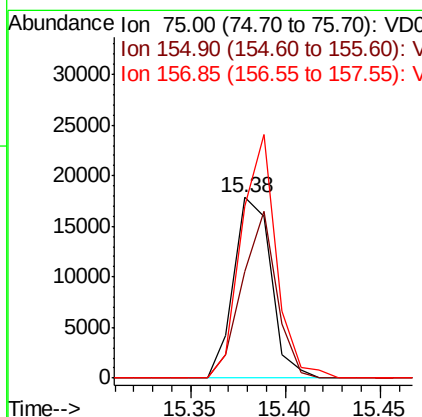
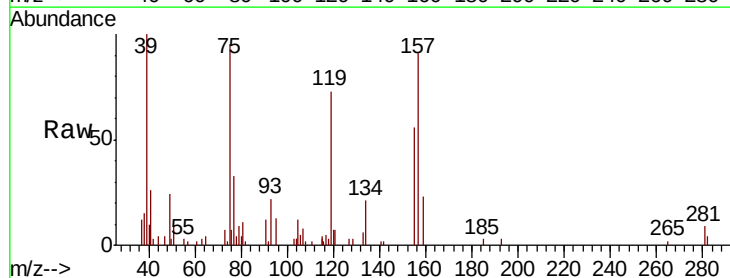
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

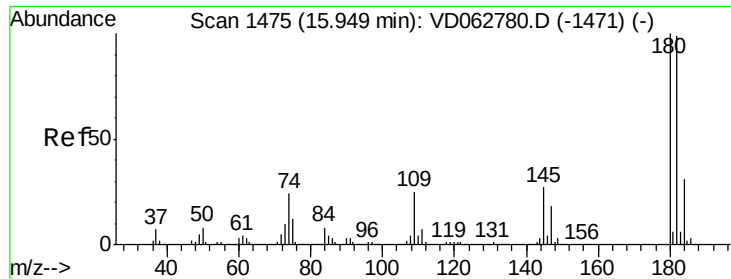
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	59.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.921 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.3	29.3	87.8
157	95.4	41.3	123.7

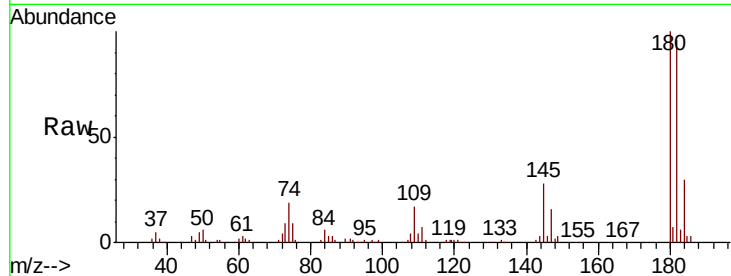




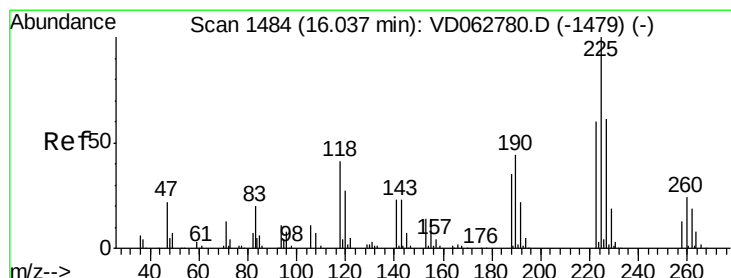
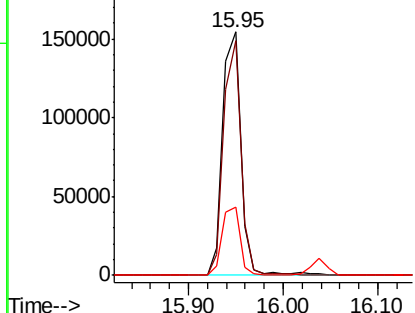
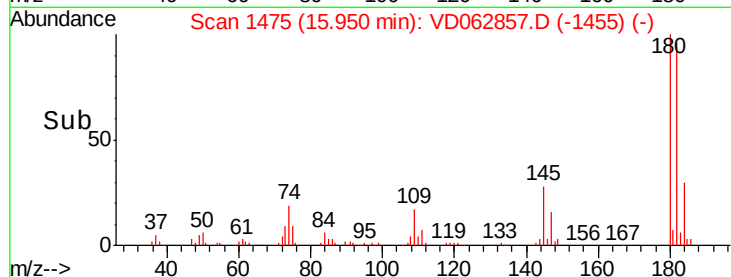
#93
 1,2,4-Trichlorobenzene
 Concen: 18.443 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	49.5	148.5
145	27.9	13.7	41.0

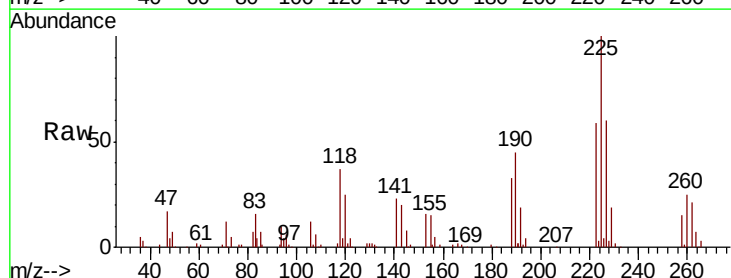


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

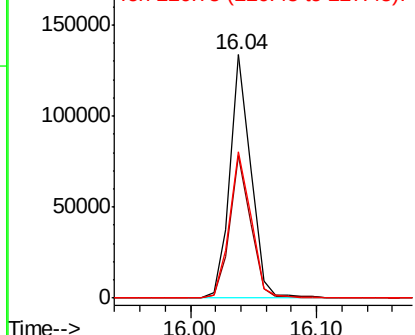
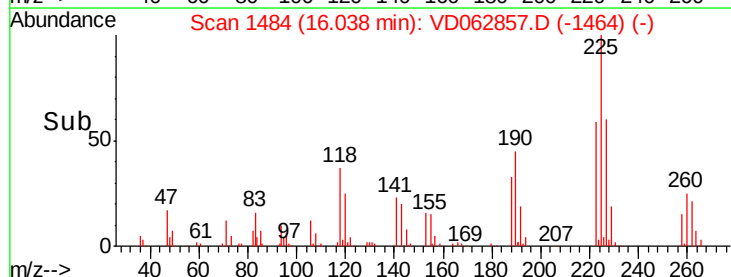


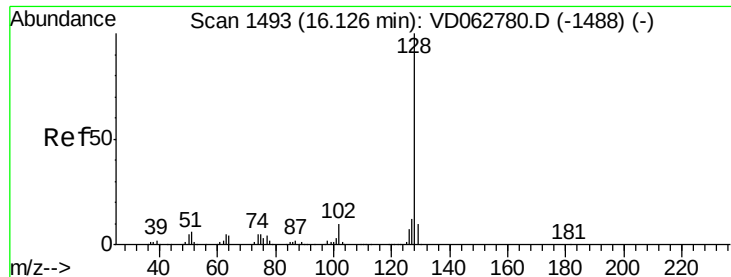
#94
 Hexachlorobutadiene
 Concen: 17.798 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062857.D
 Acq: 25 Jun 2019 1:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	29.8	89.5
227	59.9	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

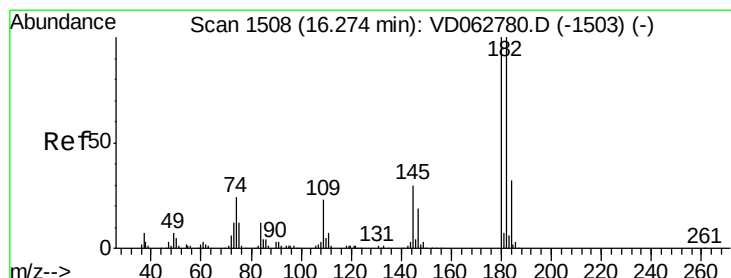
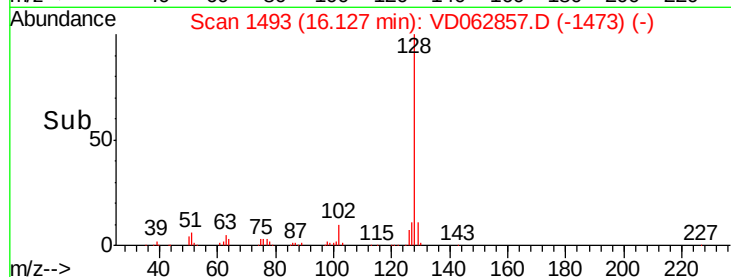
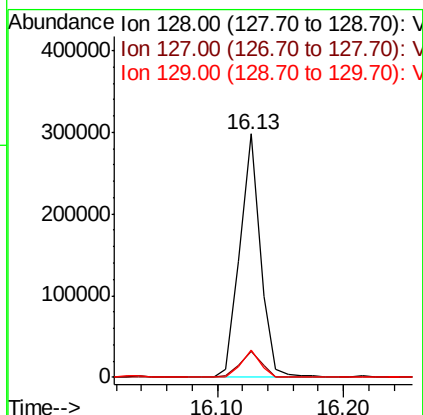
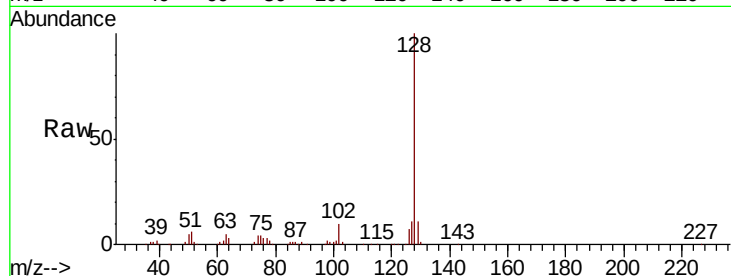




#95
Naphthalene
Concen: 21.312 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

Tot Ion:128 Resp: 335594
Ion Ratio Lower Upper
128 100
127 10.5 9.7 14.5
129 11.4 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.249 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062857.D
Acq: 25 Jun 2019 1:10

Tgt Ion:180 Resp: 174789
Ion Ratio Lower Upper
180 100
182 97.4 49.9 149.6
145 30.4 15.2 45.5

