

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062622.D
 Acq On : 6 Jun 2019 12:43
 Operator : FY/SY
 Sample : VD0605SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Quant Time: Jun 07 03:23:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	773930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1056808	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	880247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	492007	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	594628	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	
35) Dibromofluoromethane	6.94	113	583336	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
50) Toluene-d8	10.42	98	1225720	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	13.57	95	556994	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	203802	21.204	ug/l	97
3) Chloromethane	1.76	50	159797	21.379	ug/l	92
4) Vinyl Chloride	1.86	62	152117	20.756	ug/l	93
5) Bromomethane	2.16	94	71259	19.274	ug/l	91
6) Chloroethane	2.27	64	67801	18.342	ug/l	99
7) Trichlorofluoromethane	2.54	101	328692	20.103	ug/l	99
8) Diethyl Ether	2.88	74	44045	20.728	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.15	101	185033	20.128	ug/l #	88
10) Methyl Iodide	3.32	142	230515	19.591	ug/l #	93
11) Tert butyl alcohol	4.09	59	44129	92.892	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	130458	19.343	ug/l	88
13) Acrolein	3.05	56	19478	115.947	ug/l #	81
14) Allyl chloride	3.63	41	209502	20.404	ug/l	97
15) Acrylonitrile	4.22	53	103470	99.912	ug/l	98
16) Acetone	3.25	43	214860	112.693	ug/l	100
17) Carbon Disulfide	3.39	76	383502	19.516	ug/l	96
18) Methyl Acetate	3.66	43	72013	21.243	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	327180	20.028	ug/l	100
20) Methylene Chloride	3.83	84	144849	19.521	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	145469	19.821	ug/l	96
22) Diisopropyl ether	5.15	45	435677	20.087	ug/l	94
23) Vinyl Acetate	5.08	43	1394749	105.507	ug/l	98
24) 1,1-Dichloroethane	5.00	63	282870	20.699	ug/l	98
25) 2-Butanone	6.10	43	188890	104.295	ug/l	96
26) 2,2-Dichloropropane	6.04	77	317926	21.294	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	159652	20.173	ug/l	87
28) Bromochloromethane	6.46	49	108798	21.043	ug/l	97
29) Tetrahydrofuran	6.49	42	88628	105.417	ug/l	97
30) Chloroform	6.68	83	335597	19.745	ug/l	97
31) Cyclohexane	6.98	56	169150	19.362	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	350316	20.362	ug/l	95
36) 1,1-Dichloropropene	7.17	75	227698	20.040	ug/l	95
37) Ethyl Acetate	6.21	43	98529	21.488	ug/l #	93
38) Carbon Tetrachloride	7.13	117	347288	20.364	ug/l	100

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 Data File : VD062622.D
 Acq On : 6 Jun 2019 12:43
 Operator : FY/SY
 Sample : VD0605SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBSD01

Quant Time: Jun 07 03:23:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	198483	20.431	ug/l	94
40) Benzene	7.47	78	450800	20.088	ug/l	94
41) Methacrylonitrile	6.48	41	125148	21.076	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	262412	19.866	ug/l	98
43) Isopropyl Acetate	9.25	43	128088	20.325	ug/l #	97
44) Trichloroethene	8.55	130	182989	20.108	ug/l	93
45) 1,2-Dichloropropane	8.96	63	105612	18.794	ug/l	91
46) Dibromomethane	9.08	93	98083	20.063	ug/l	94
47) Bromodichloromethane	9.39	83	266308	20.224	ug/l	98
48) Methyl methacrylate	9.14	41	88908	20.744	ug/l	95
49) 1,4-Dioxane	9.11	88	14238	418.584	ug/l	95
51) 4-Methyl-2-Pentanone	10.32	43	423675	103.246	ug/l	98
52) Toluene	10.52	92	286681	19.260	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	220441	20.162	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	233400	20.963	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	104072	20.380	ug/l	92
56) Ethyl methacrylate	11.05	69	117018	20.561	ug/l #	84
57) 1,3-Dichloropropane	11.42	76	155084	19.451	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	341892	117.125	ug/l	99
59) 2-Hexanone	11.55	43	325603	104.645	ug/l	95
60) Dibromochloromethane	11.69	129	201780	20.222	ug/l	95
61) 1,2-Dibromoethane	11.81	107	129616	20.724	ug/l	98
64) Tetrachloroethene	11.27	164	166144	20.899	ug/l	94
65) Chlorobenzene	12.41	112	387021	21.159	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	180228	20.498	ug/l	94
67) Ethyl Benzene	12.53	91	678029	20.510	ug/l	97
68) m/p-Xylenes	12.68	106	453783	39.352	ug/l	98
69) o-Xylene	13.05	106	223716	20.135	ug/l	96
70) Styrene	13.08	104	397099	21.274	ug/l	96
71) Bromoform	13.24	173	124666	20.529	ug/l	99
73) Isopropylbenzene	13.41	105	672349	19.653	ug/l	95
74) N-amyl acetate	13.27	43	184586	20.896	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	121086	21.114	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	134617	20.975	ug/l	95
77) Bromobenzene	13.67	156	194666	20.457	ug/l	97
78) n-propylbenzene	13.78	91	797353	20.097	ug/l	98
79) 2-Chlorotoluene	13.85	91	468442	19.475	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	619485	21.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	35961	21.798	ug/l	98
82) 4-Chlorotoluene	13.95	91	589072	20.811	ug/l	88
83) tert-Butylbenzene	14.20	119	673287	20.768	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	580519	19.263	ug/l	98
85) sec-Butylbenzene	14.37	105	703463	21.059	ug/l	99
86) p-Isopropyltoluene	14.50	119	627659	19.544	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	343243	21.492	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	348309	21.534	ug/l	99
89) n-Butylbenzene	14.81	91	648726	21.724	ug/l	99
90) Hexachloroethane	15.01	117	184508	21.828	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	325392	22.065	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	24800	21.140	ug/l	97

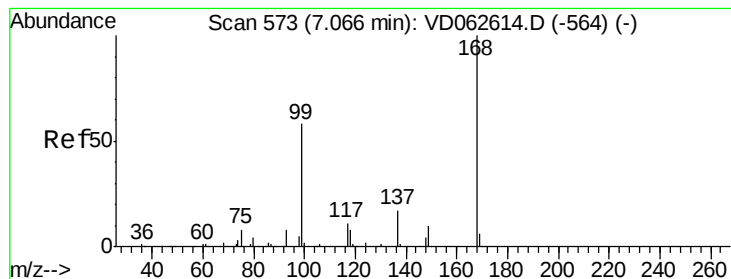
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
Data File : VD062622.D
Acq On : 6 Jun 2019 12:43
Operator : FY/SY
Sample : VD0605SBSD01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

Quant Time: Jun 07 03:23:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:42:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	221250	20.881	ug/l	96
94) Hexachlorobutadiene	16.05	225	168977	21.261	ug/l	97
95) Naphthalene	16.12	128	315401	20.787	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	169221	20.885	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

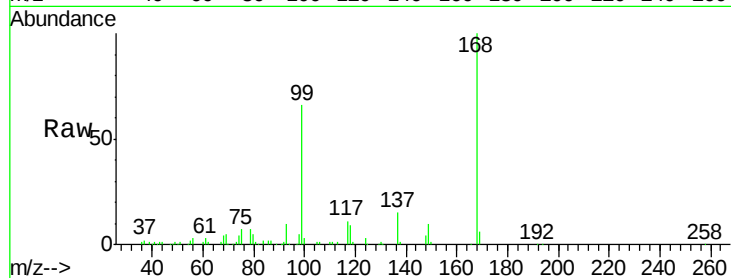
VD0605SBS01

Tot Ion:168 Resp: 773930

Ion Ratio Lower Upper

168 100

99 65.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

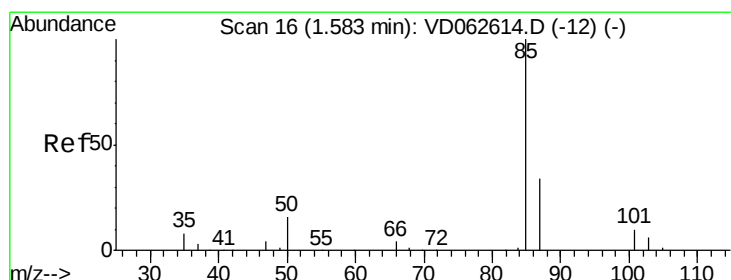
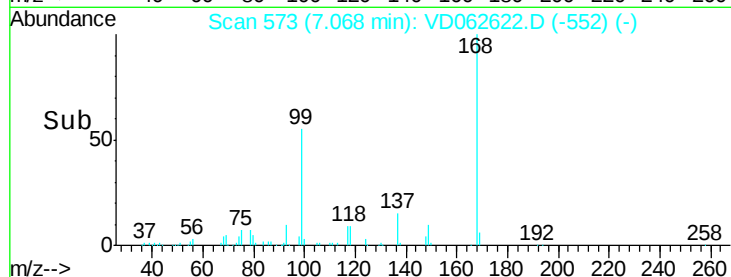
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.204 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062622.D

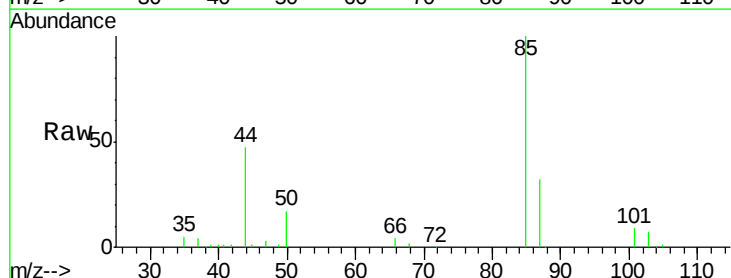
Acq: 6 Jun 2019 12:43

Tgt Ion: 85 Resp: 203802

Ion Ratio Lower Upper

85 100

87 32.1 16.9 50.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

100000

80000

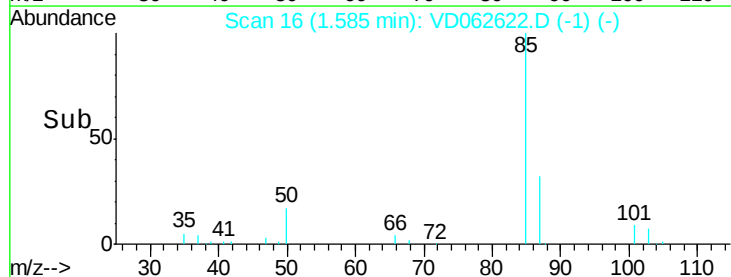
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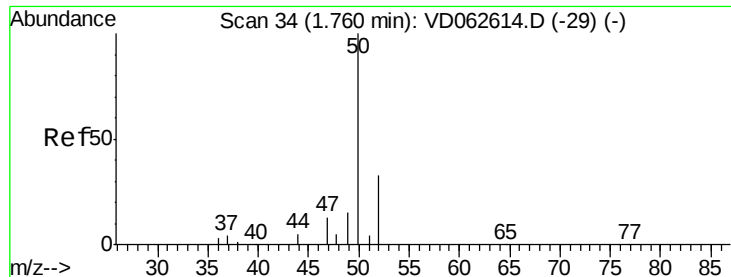
40000

20000

0

Time-->





#3

Chloromethane

Concen: 21.379 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

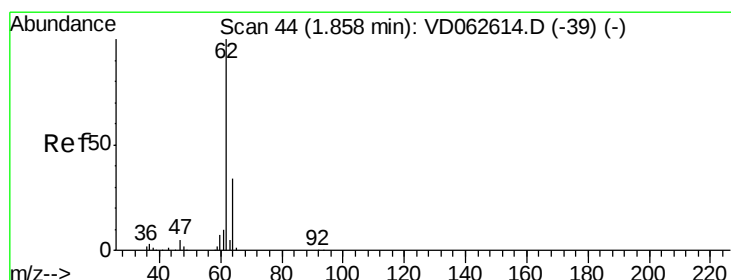
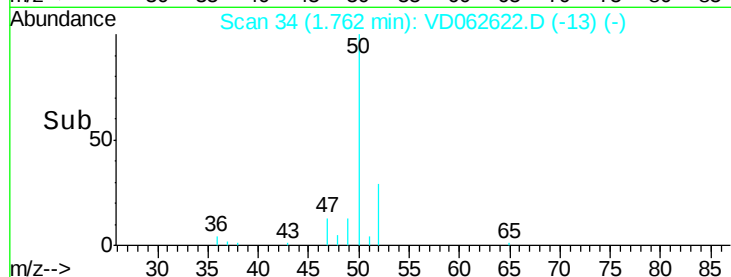
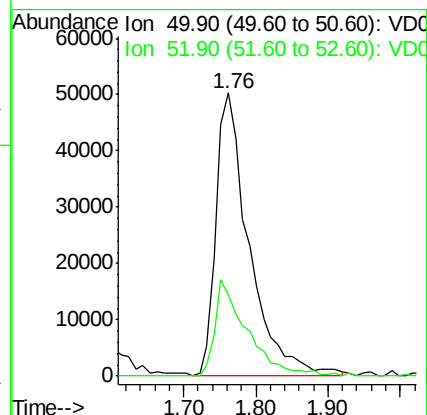
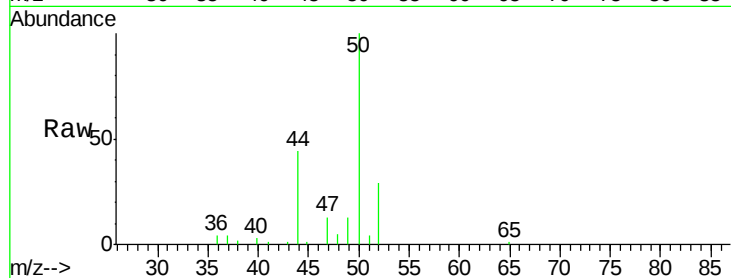
VD0605SBSD01

Tot Ion: 50 Resp: 159797

Ion Ratio Lower Upper

50 100

52 28.7 26.6 40.0



#4

Vinyl Chloride

Concen: 20.756 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062622.D

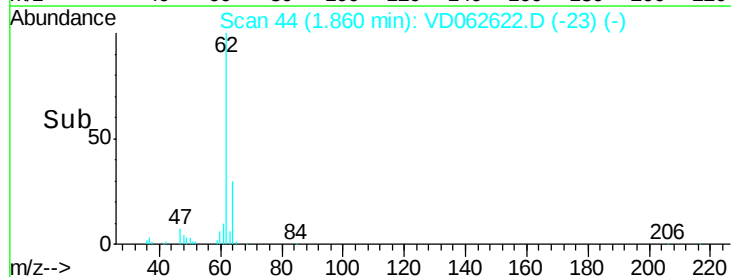
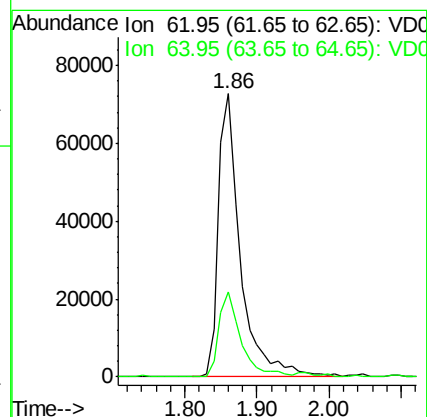
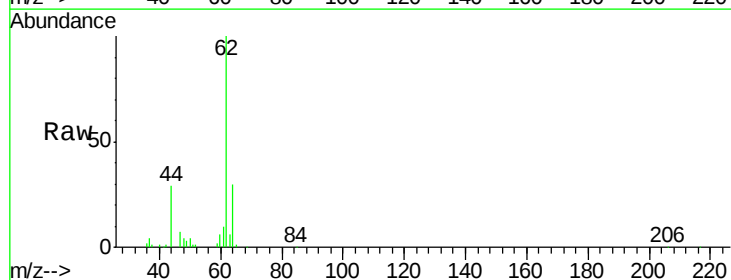
Acq: 6 Jun 2019 12:43

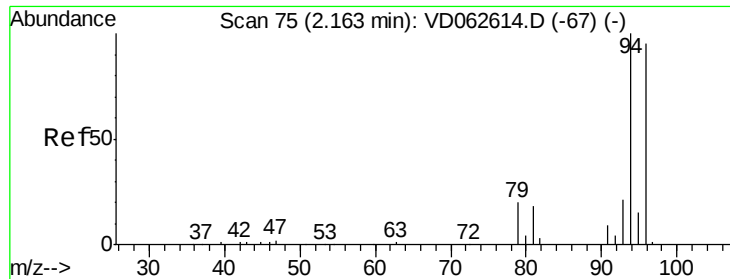
Tgt Ion: 62 Resp: 152117

Ion Ratio Lower Upper

62 100

64 30.1 27.2 40.8





#5

Bromomethane

Concen: 19.274 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

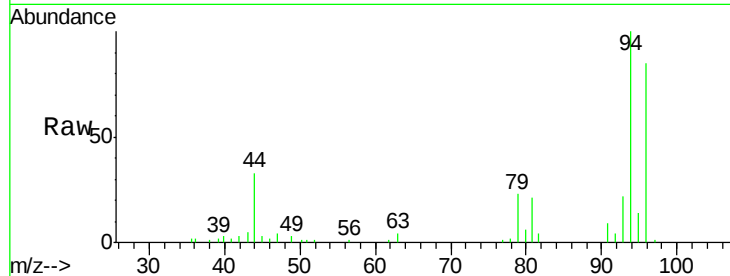
Tot Ion: 94 Resp: 71259

Ion Ratio Lower Upper

94 100

96 85.1 75.8 113.8

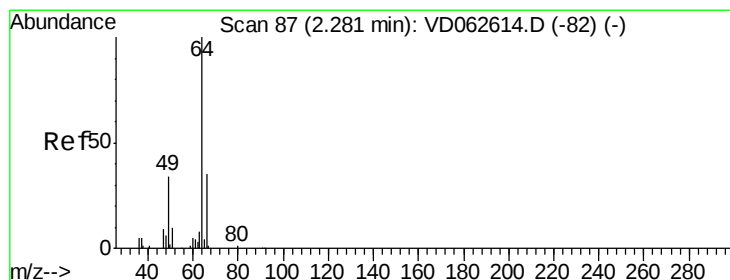
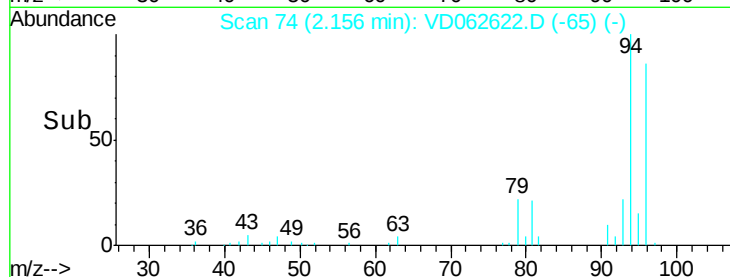
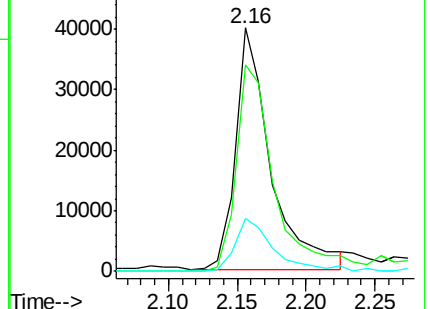
93 21.9 16.6 25.0



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: 18.342 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD062622.D

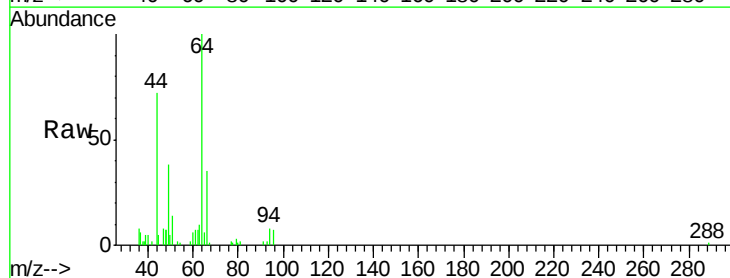
Acq: 6 Jun 2019 12:43

Tgt Ion: 64 Resp: 67801

Ion Ratio Lower Upper

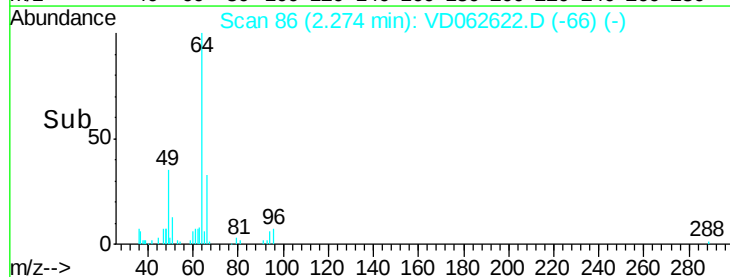
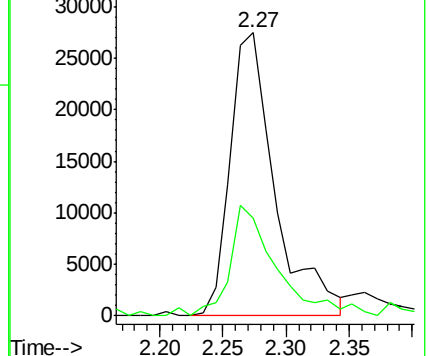
64 100

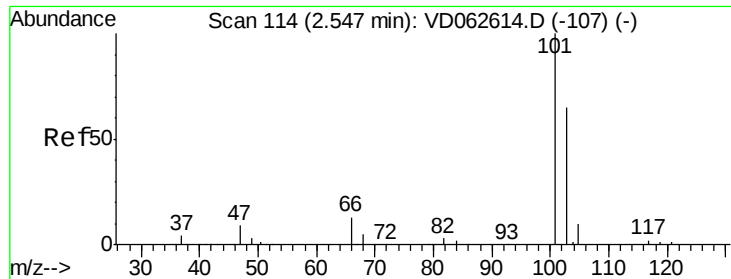
66 34.7 28.4 42.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



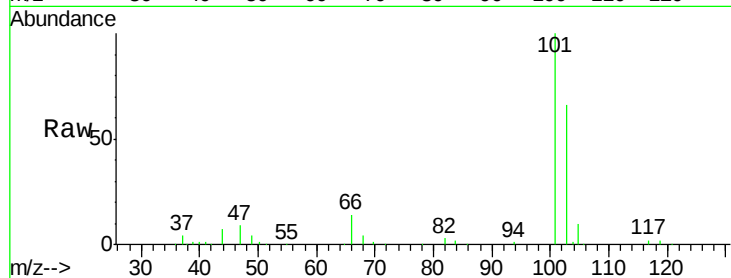


#7

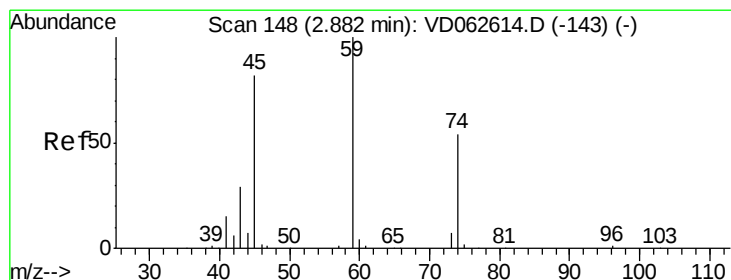
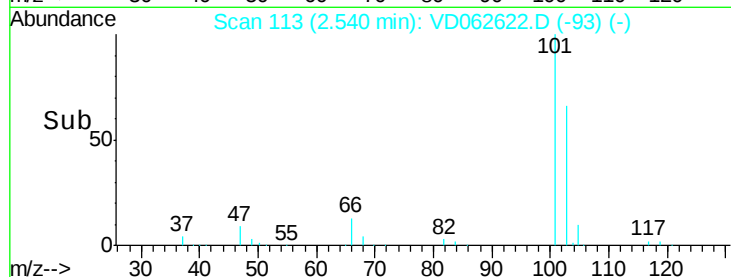
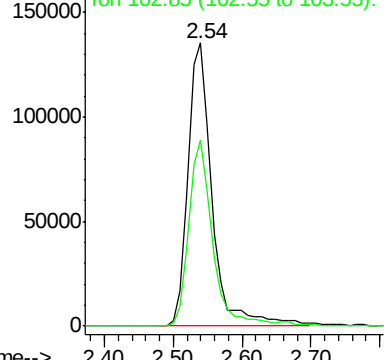
Trichlorofluoromethane
Concen: 20.103 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

Tot Ion:101 Resp: 328692
Ion Ratio Lower Upper
101 100
103 65.5 52.1 78.1



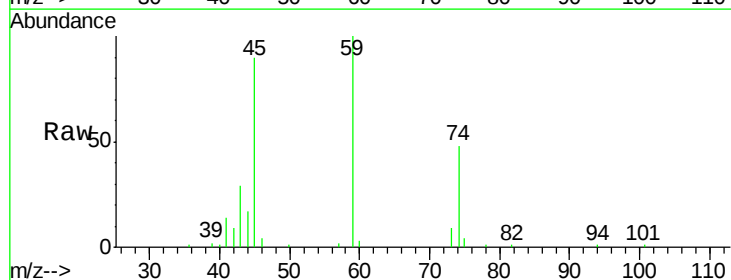
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



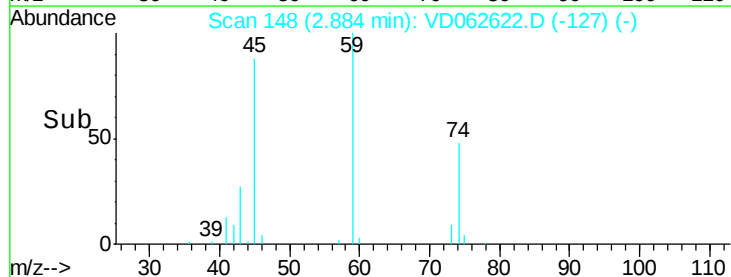
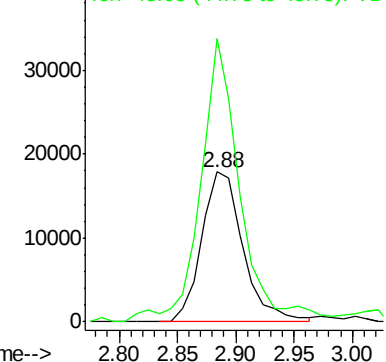
#8

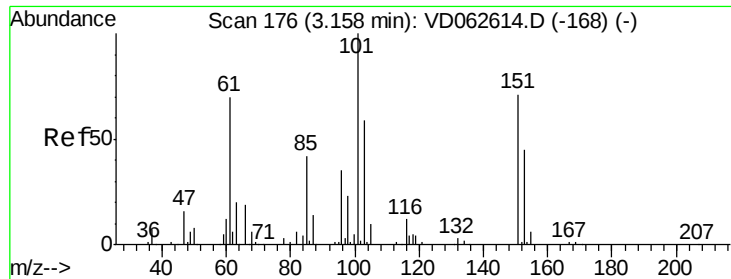
Diethyl Ether
Concen: 20.728 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 74 Resp: 44045
Ion Ratio Lower Upper
74 100
45 188.8 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.128 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

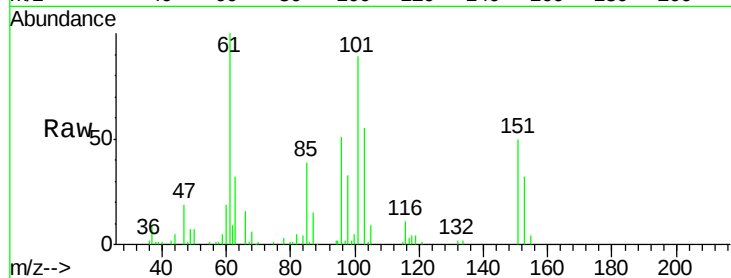
Tot Ion:101 Resp: 185033

Ion Ratio Lower Upper

101 100

85 43.5 33.8 50.6

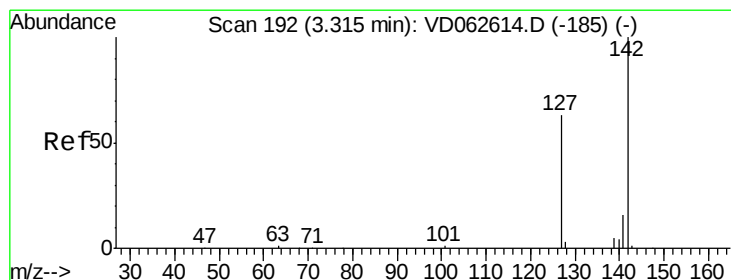
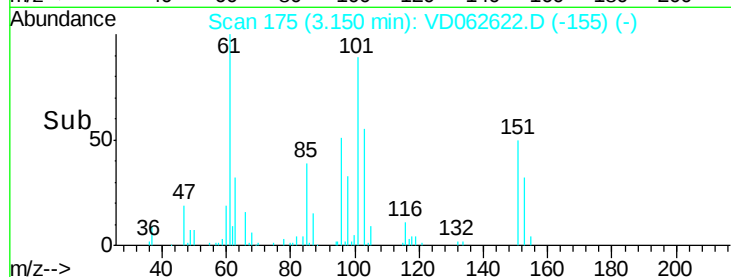
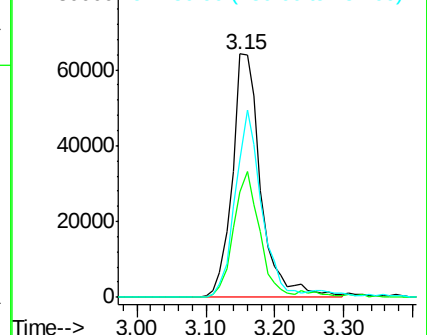
151 56.5 56.8 85.2#



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: 19.591 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

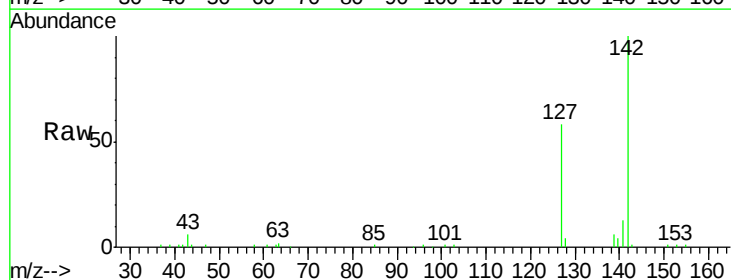
Tgt Ion:142 Resp: 230515

Ion Ratio Lower Upper

142 100

127 58.2 50.7 76.1

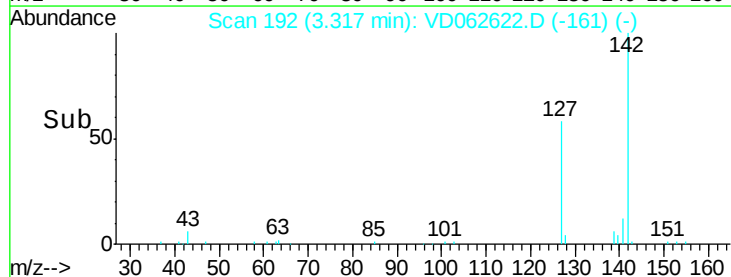
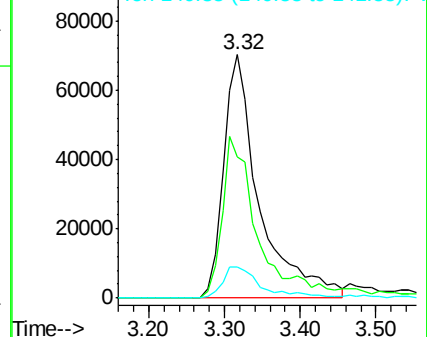
141 12.6 12.9 19.3#

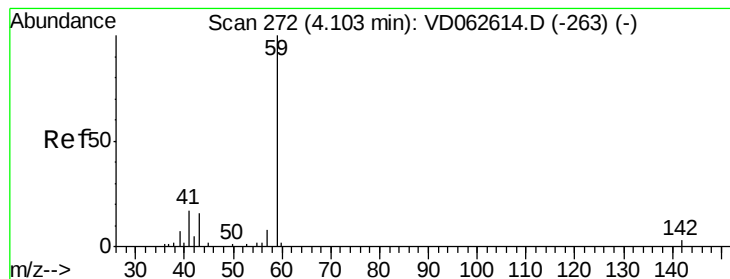


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



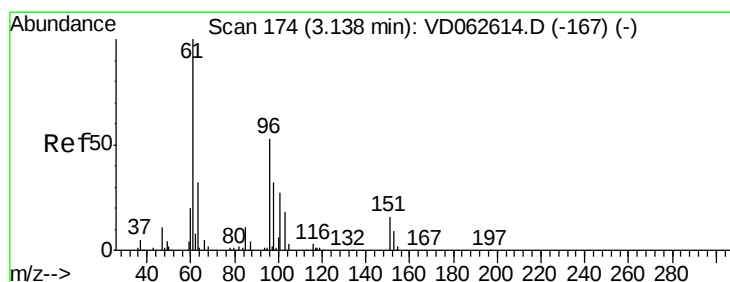
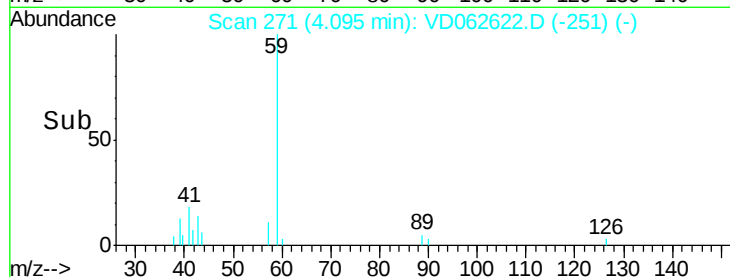
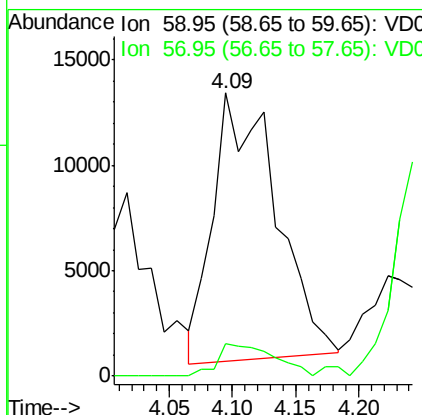
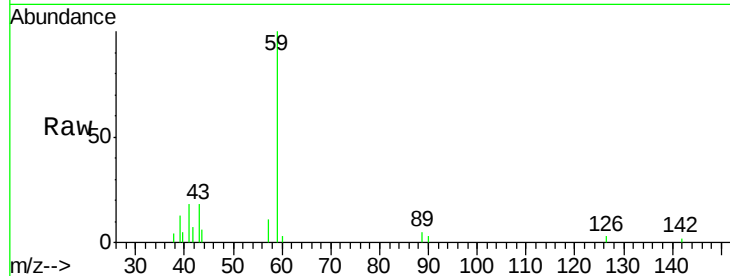


#11

Tert butyl alcohol
 Concen: 92.892 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

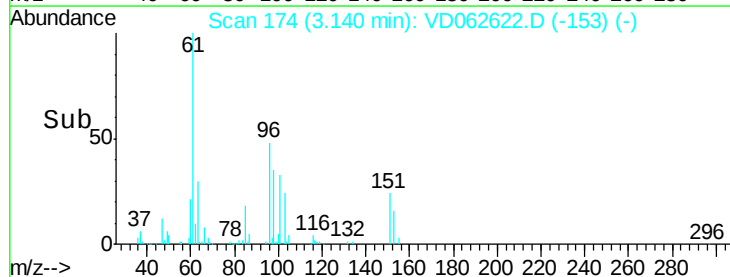
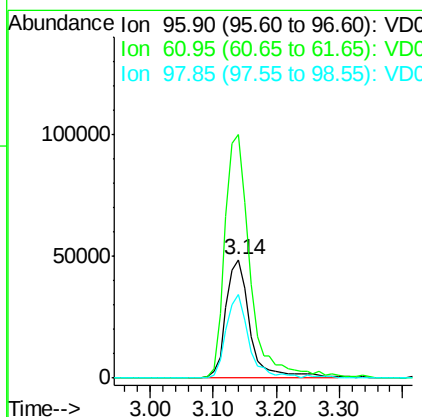
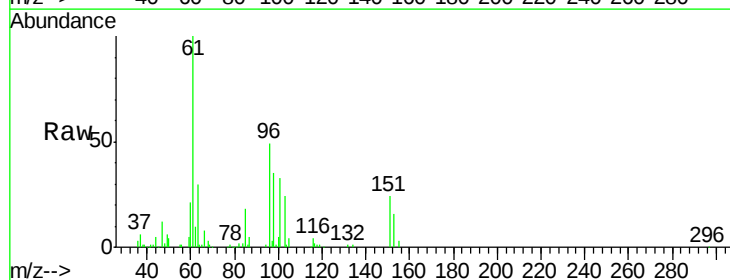
Tot Ion: 59 Resp: 44129
 Ion Ratio Lower Upper
 59 100
 57 11.5 6.4 9.6#

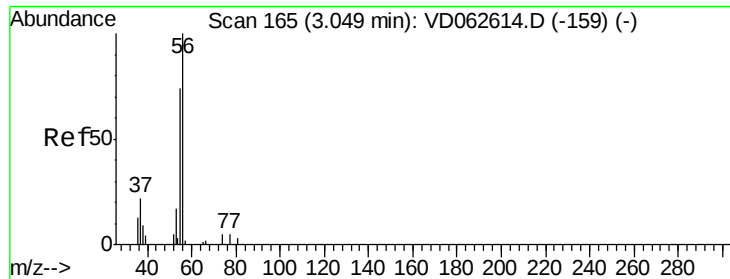


#12

1,1-Dichloroethene
 Concen: 19.343 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion: 96 Resp: 130458
 Ion Ratio Lower Upper
 96 100
 61 205.8 151.3 226.9
 98 71.1 48.6 72.8





#13

Acrolein

Concen: 115.947 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

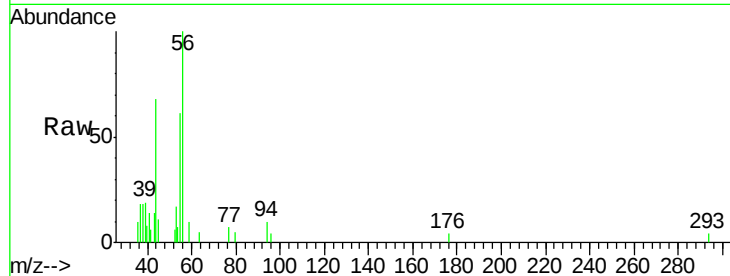
VD0605SBSD01

Tot Ion: 56 Resp: 19478

Ion Ratio Lower Upper

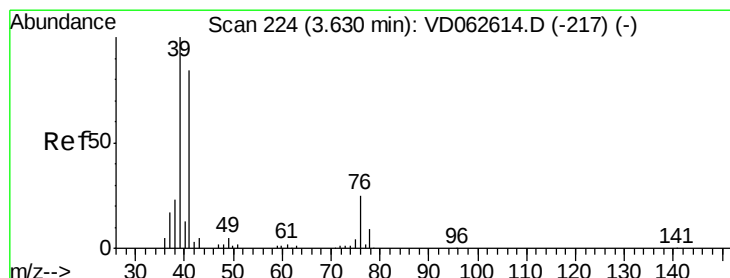
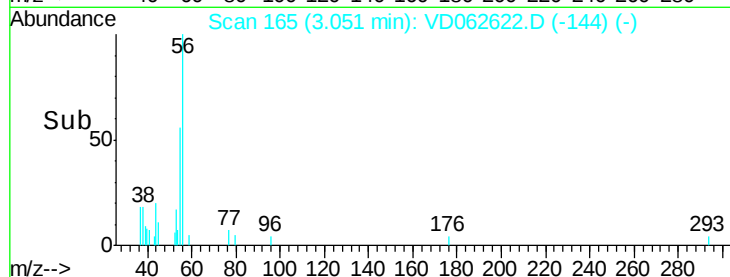
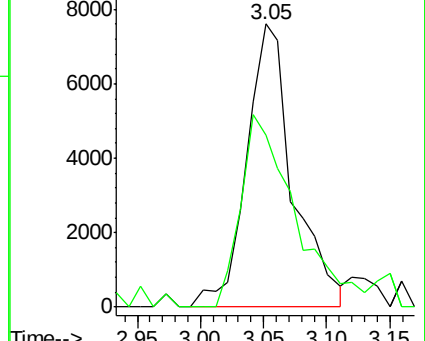
56 100

55 60.7 61.4 92.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.404 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

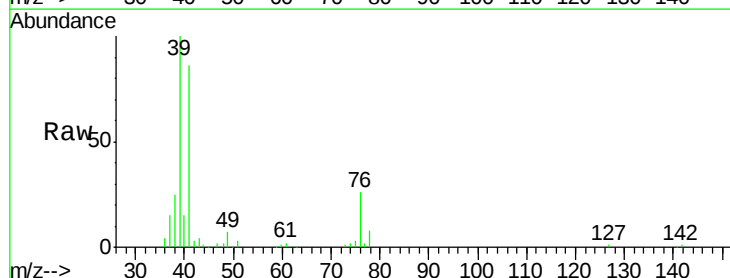
Tgt Ion: 41 Resp: 209502

Ion Ratio Lower Upper

41 100

39 116.1 95.5 143.3

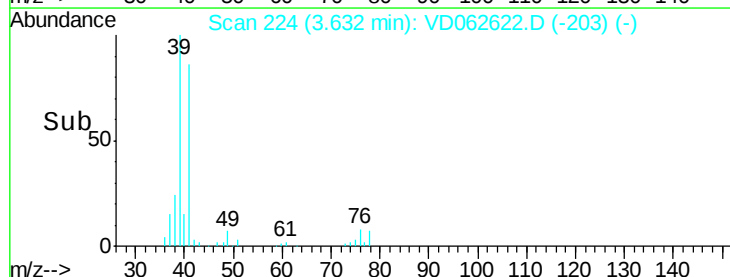
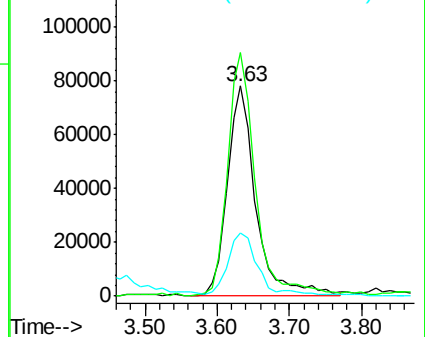
76 30.4 25.4 38.0

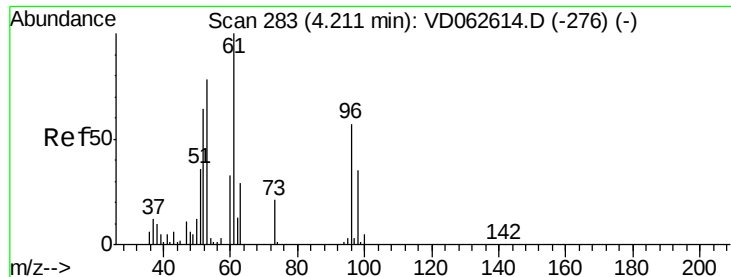


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.912 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

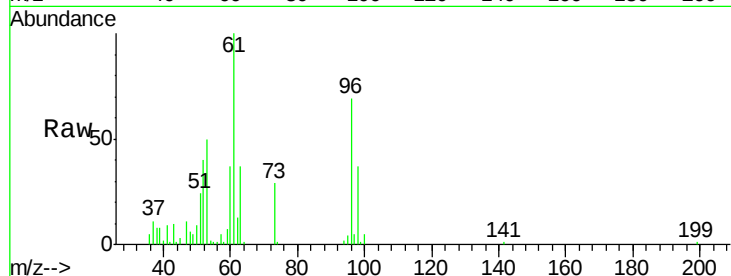
Tot Ion: 53 Resp: 103470

Ion Ratio Lower Upper

53 100

52 80.7 65.8 98.6

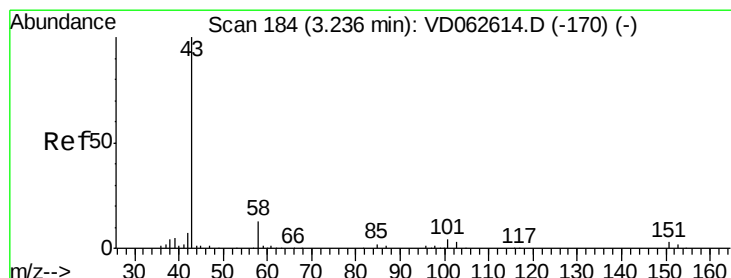
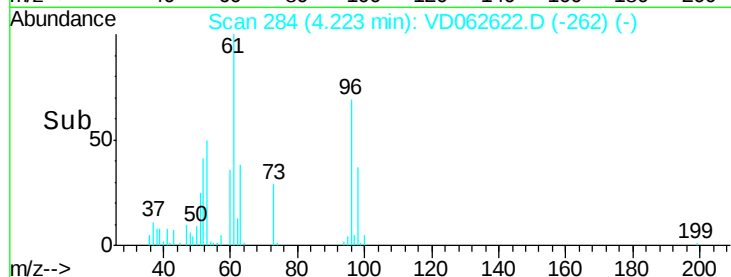
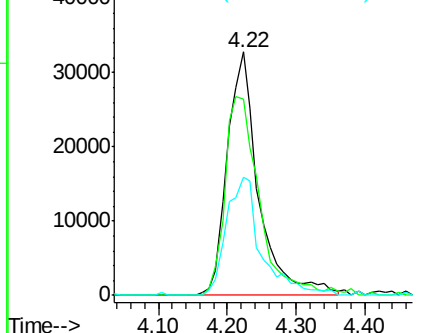
51 48.7 36.9 55.3



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: 112.693 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD062622.D

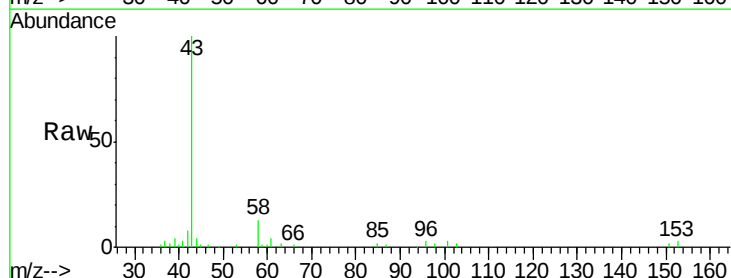
Acq: 6 Jun 2019 12:43

Tgt Ion: 43 Resp: 214860

Ion Ratio Lower Upper

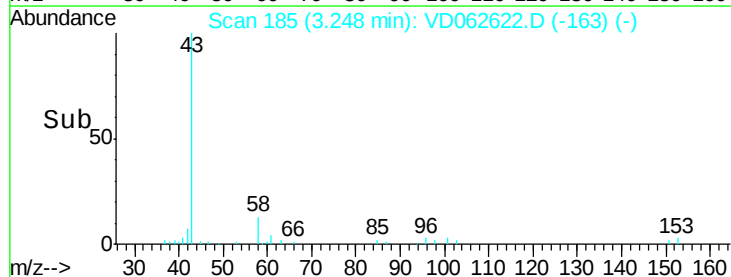
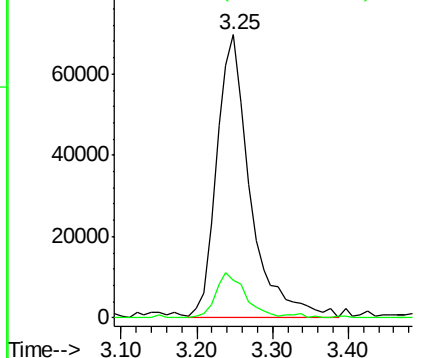
43 100

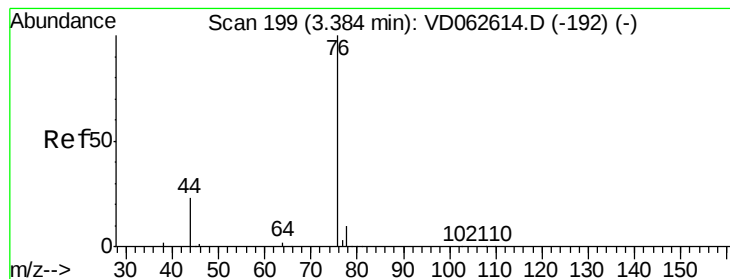
58 13.2 10.7 16.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.516 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

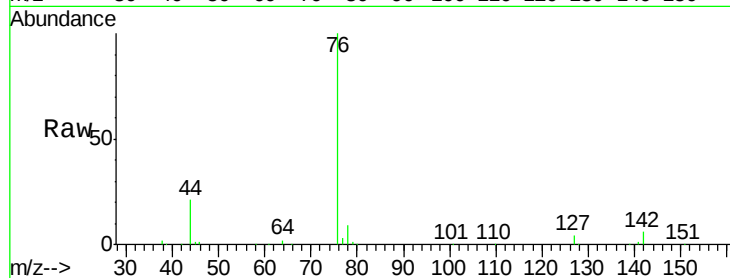
VD0605SBSD01

Tot Ion: 76 Resp: 383502

Ion Ratio Lower Upper

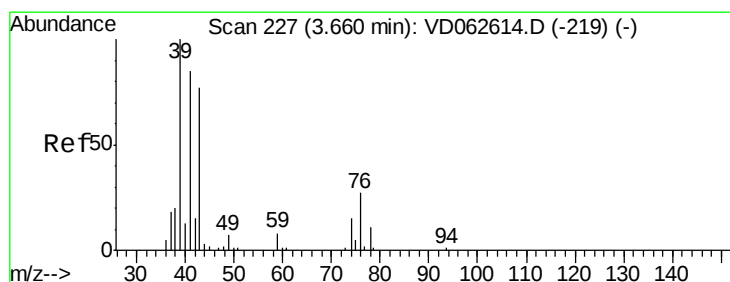
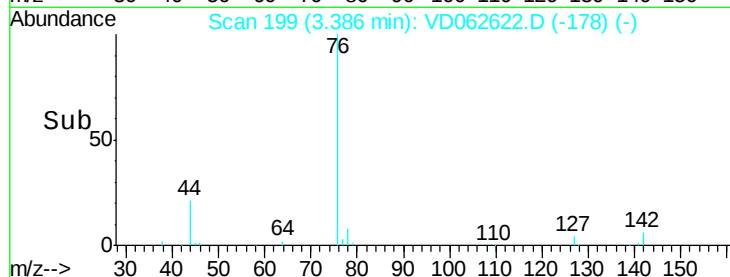
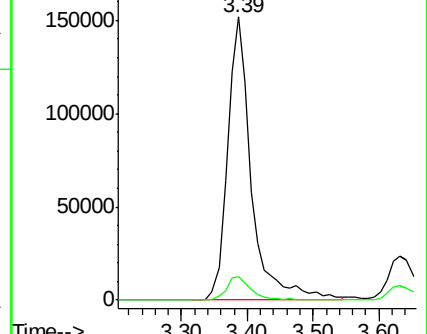
76 100

78 8.5 8.1 12.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.243 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD062622.D

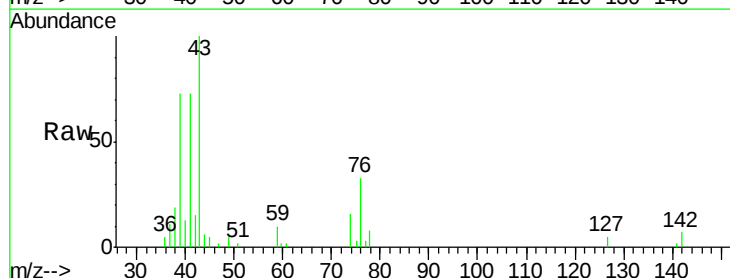
Acq: 6 Jun 2019 12:43

Tgt Ion: 43 Resp: 72013

Ion Ratio Lower Upper

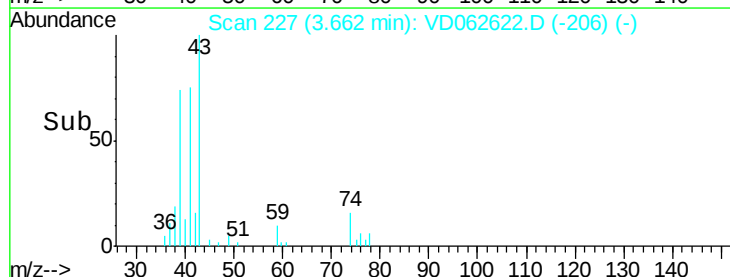
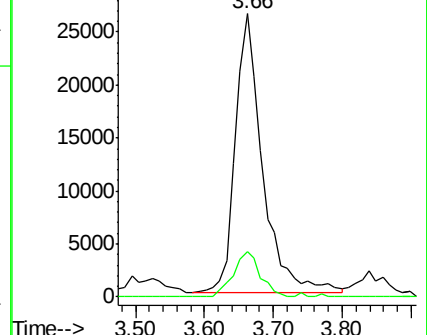
43 100

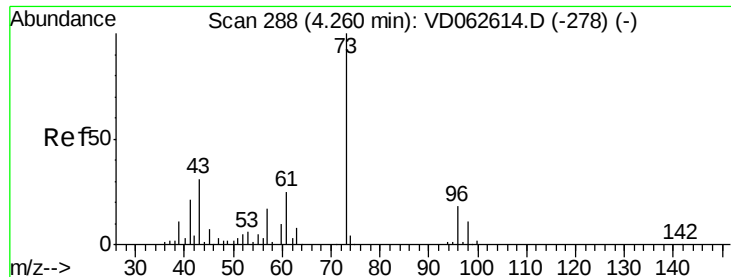
74 15.9 15.5 23.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

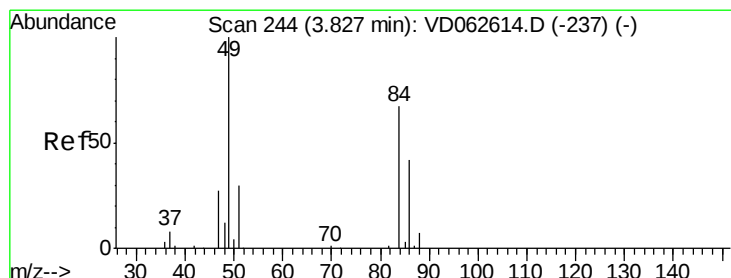
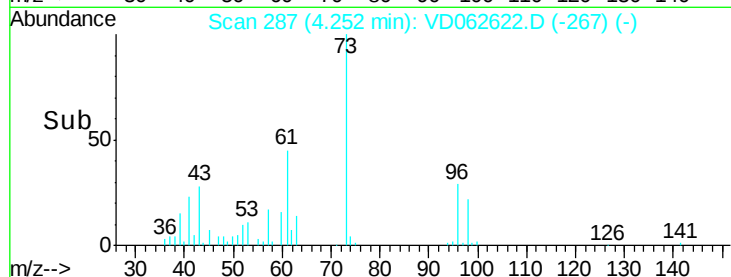
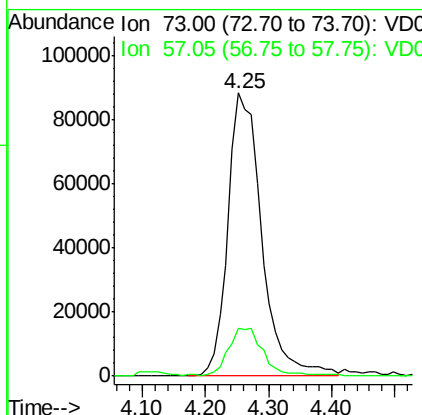
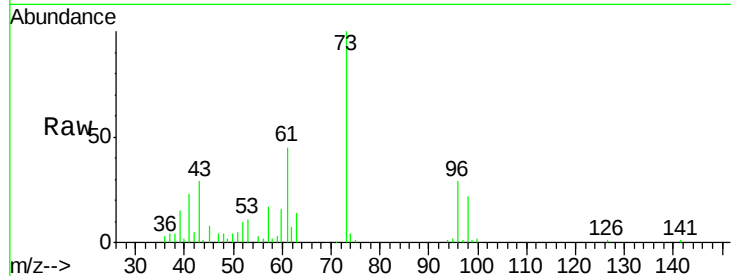




#19
Methvl tert-butvl Ether
Concen: 20.028 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

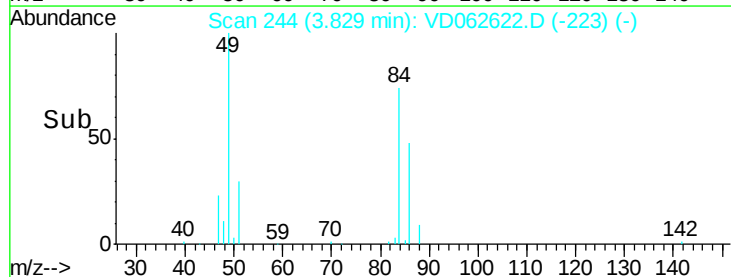
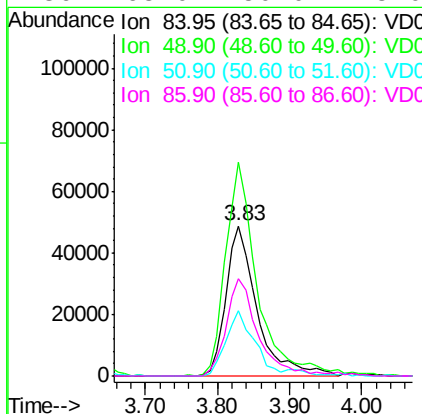
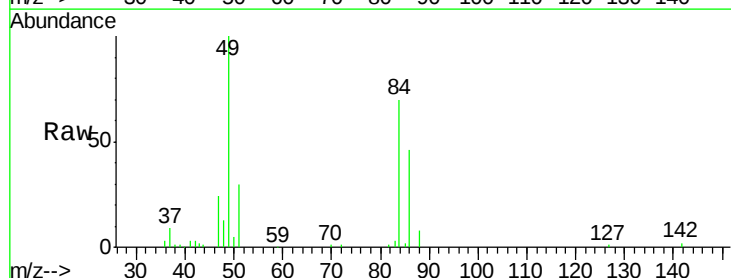
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

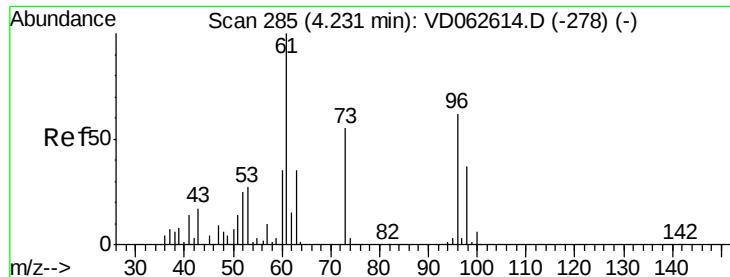
Tot Ion: 73 Resp: 327180
Ion Ratio Lower Upper
73 100
57 16.8 13.5 20.3



#20
Methylene Chloride
Concen: 19.521 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 84 Resp: 144849
Ion Ratio Lower Upper
84 100
49 142.5 119.0 178.6
51 43.2 35.4 53.2
86 65.0 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 19.821 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

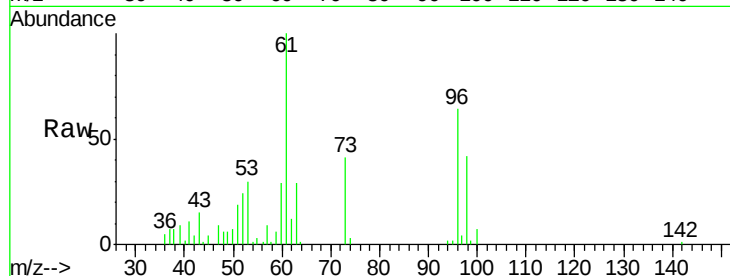
Tot Ion: 96 Resp: 145469

Ion Ratio Lower Upper

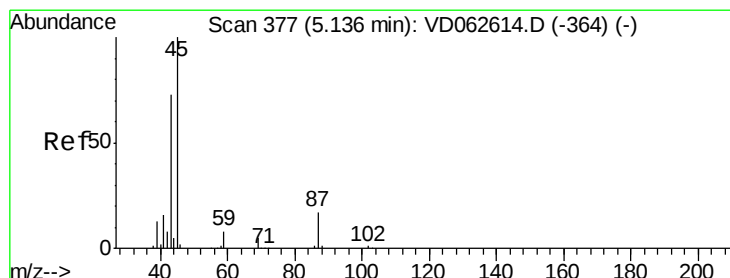
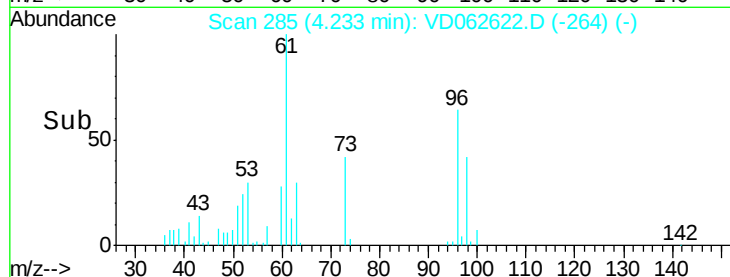
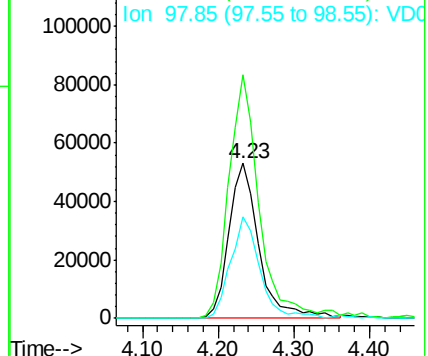
96 100

61 157.0 128.2 192.4

98 65.3 47.5 71.3



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



#22

Diisopropyl ether

Concen: 20.087 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Tgt Ion: 45 Resp: 435677

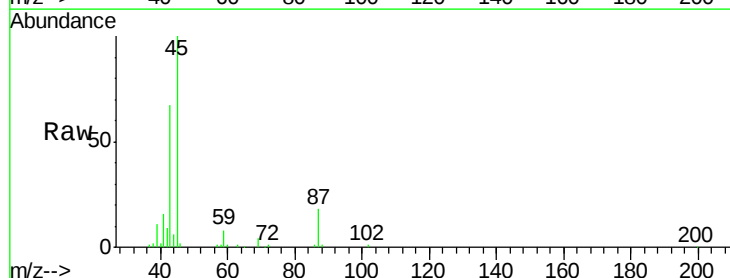
Ion Ratio Lower Upper

45 100

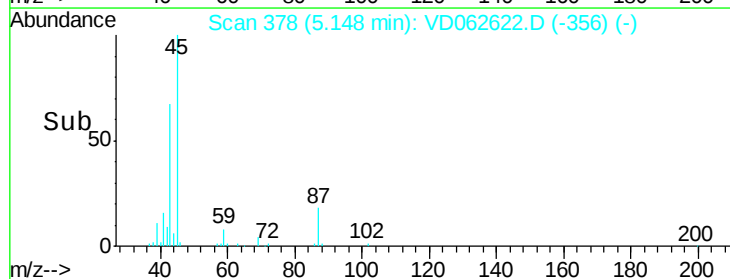
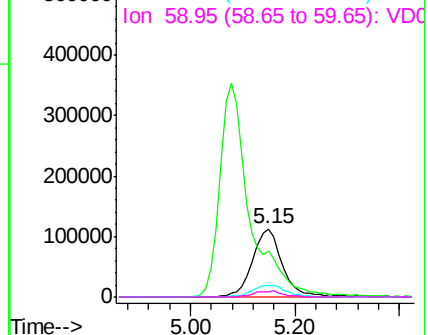
43 67.0 59.3 88.9

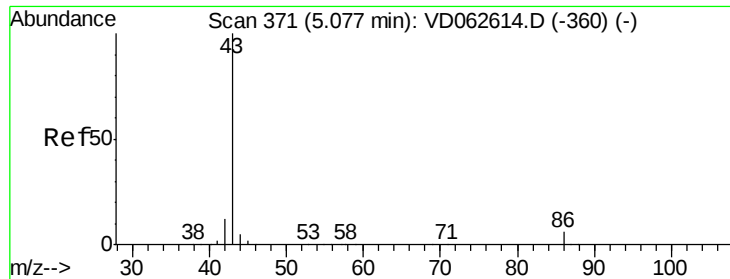
87 17.8 14.6 22.0

59 8.3 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 105.507 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

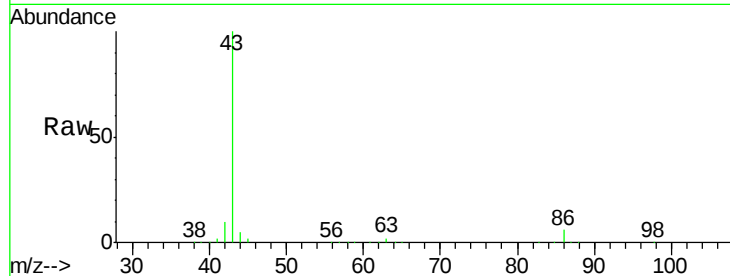
VD0605SBS01

Tot Ion: 43 Resp: 1394749

Ion Ratio Lower Upper

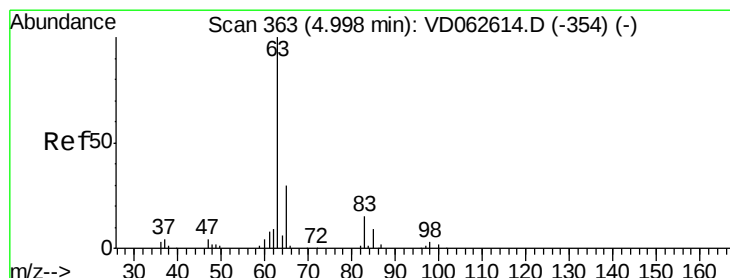
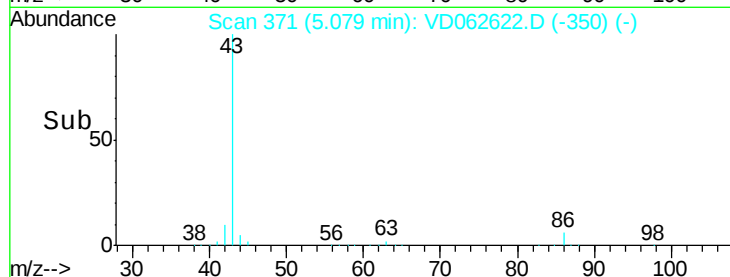
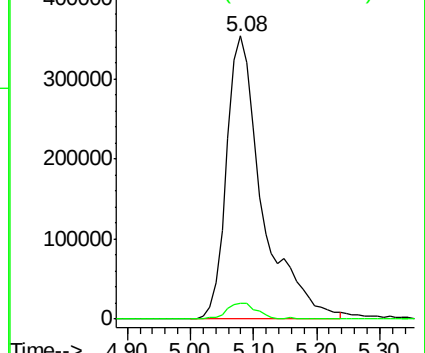
43 100

86 5.7 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.699 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

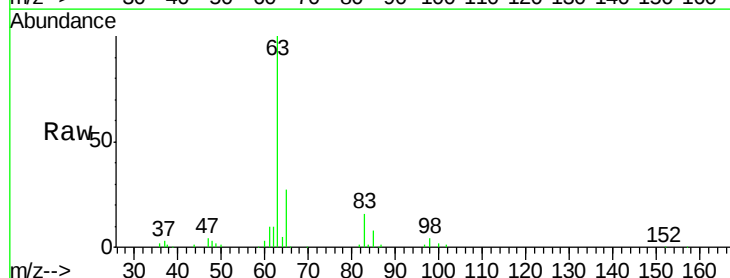
Tgt Ion: 63 Resp: 282870

Ion Ratio Lower Upper

63 100

98 4.4 1.7 5.1

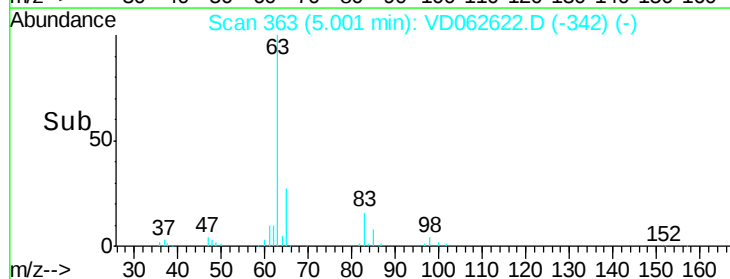
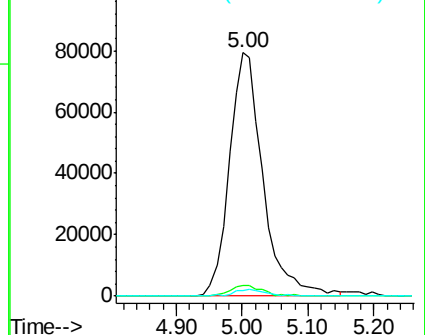
100 2.5 1.1 3.5

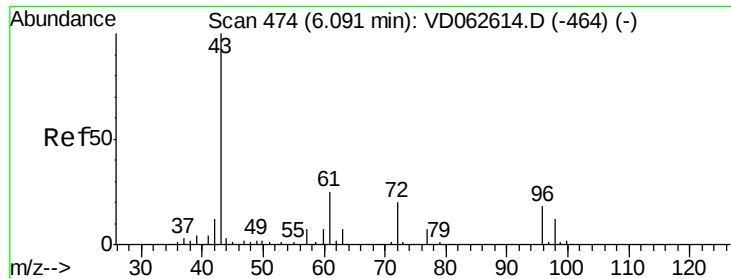


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.295 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

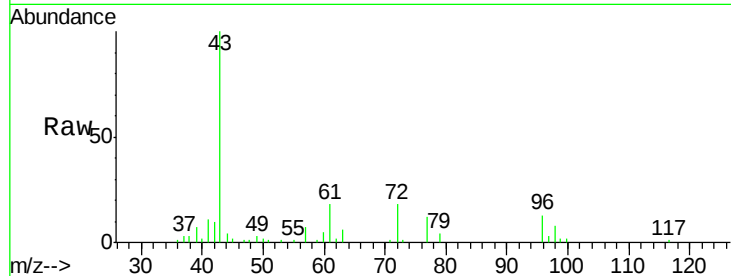
VD0605SBS01

Tot Ion: 43 Resp: 188890

Ion Ratio Lower Upper

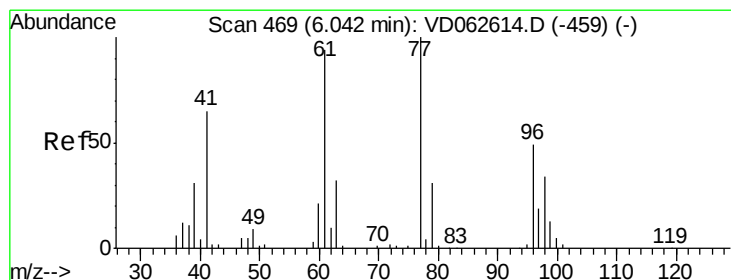
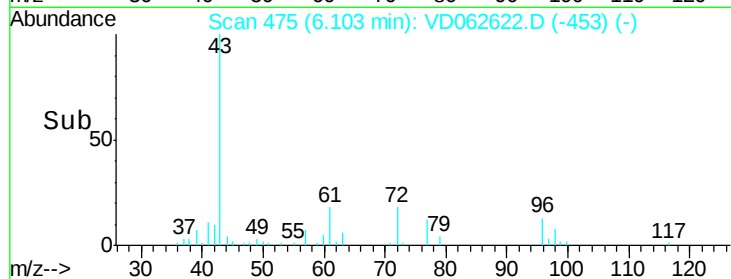
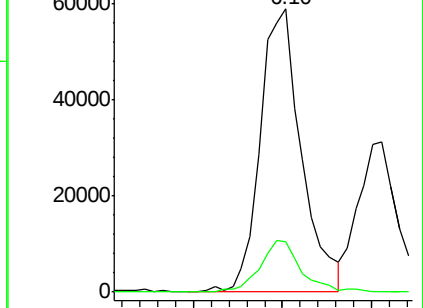
43 100

72 17.8 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.294 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062622.D

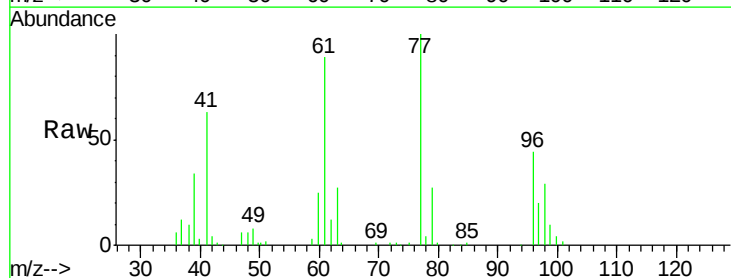
Acq: 6 Jun 2019 12:43

Tgt Ion: 77 Resp: 317926

Ion Ratio Lower Upper

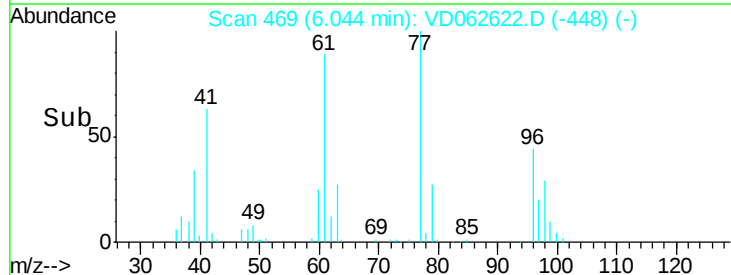
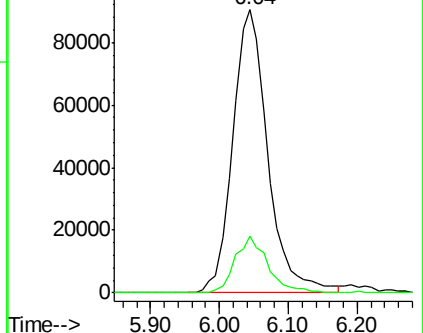
77 100

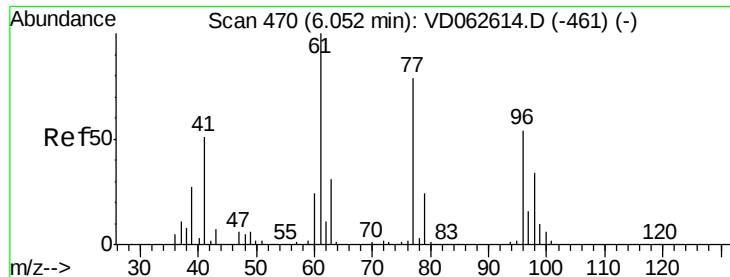
97 20.0 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



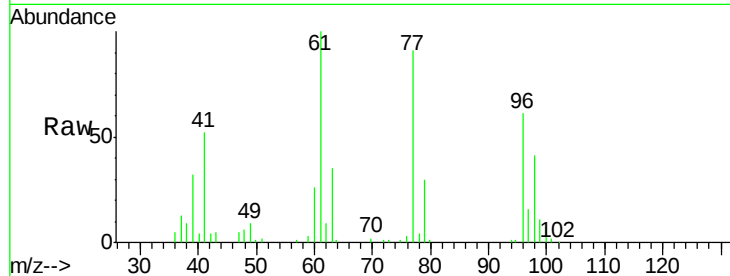


#27

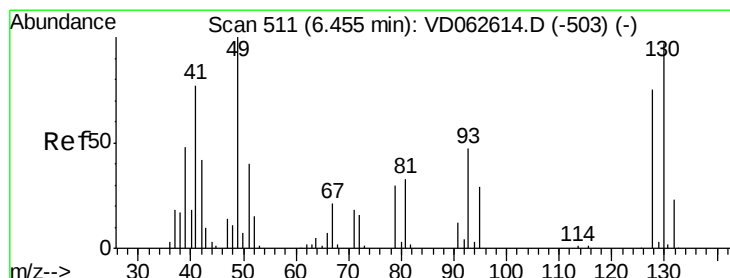
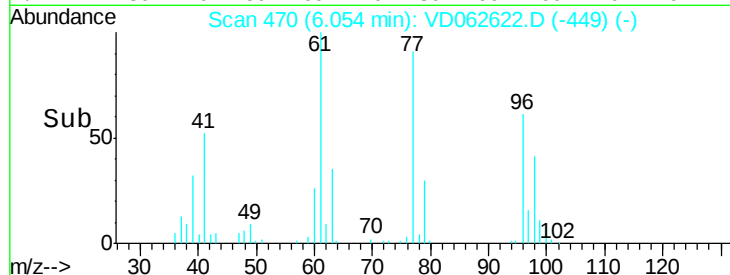
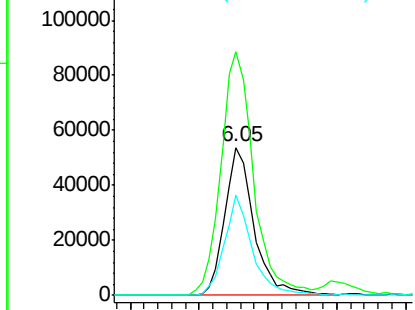
cis-1,2-Dichloroethene
 Concen: 20.173 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Tot Ion: 96 Resp: 159652
 Ion Ratio Lower Upper
 96 100
 61 164.5 0.0 372.0
 98 67.7 0.0 126.4



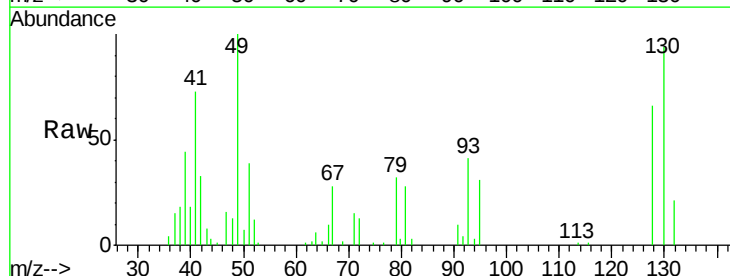
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



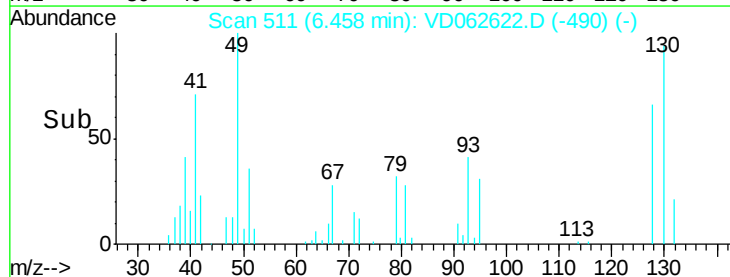
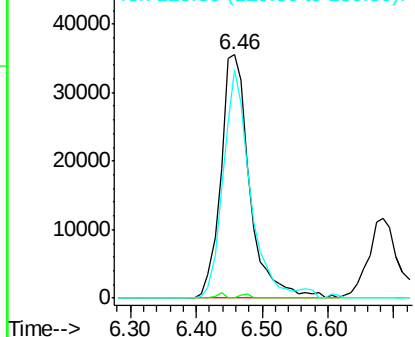
#28

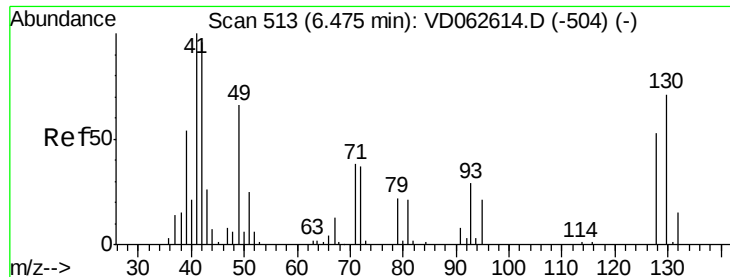
Bromochloromethane
 Concen: 21.043 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion: 49 Resp: 108798
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.4
 130 93.9 77.6 116.4



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: 105.417 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

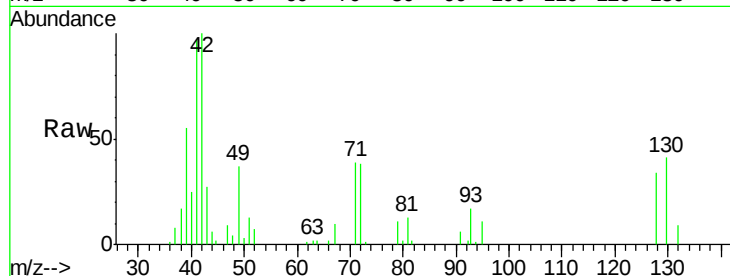
Tot Ion: 42 Resp: 88628

Ion Ratio Lower Upper

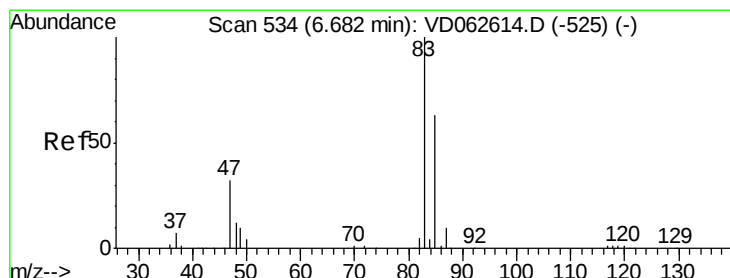
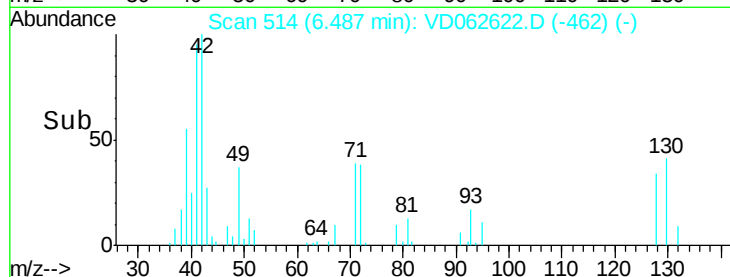
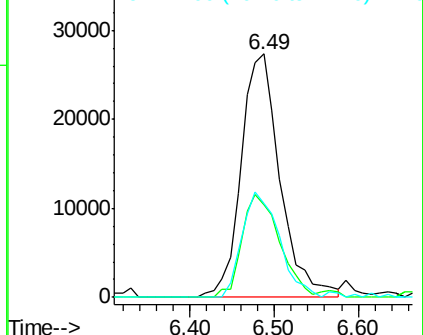
42 100

72 41.3 32.5 48.7

71 41.2 35.0 52.4



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: 19.745 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD062622.D

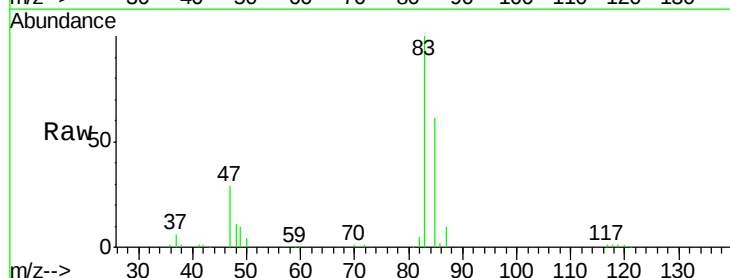
Acq: 6 Jun 2019 12:43

Tgt Ion: 83 Resp: 335597

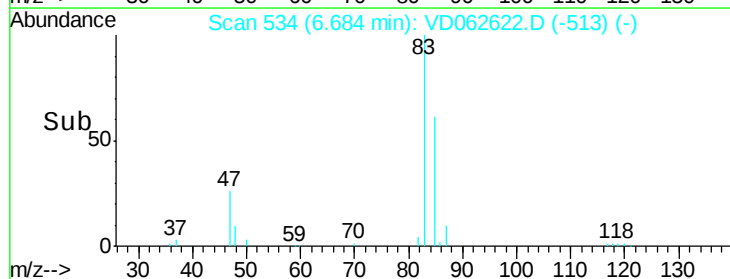
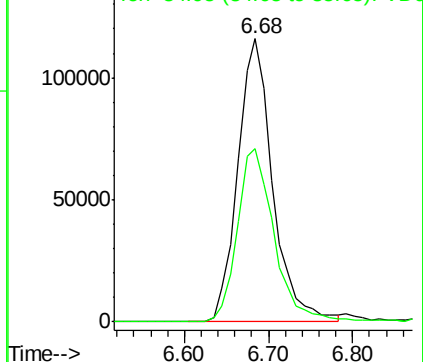
Ion Ratio Lower Upper

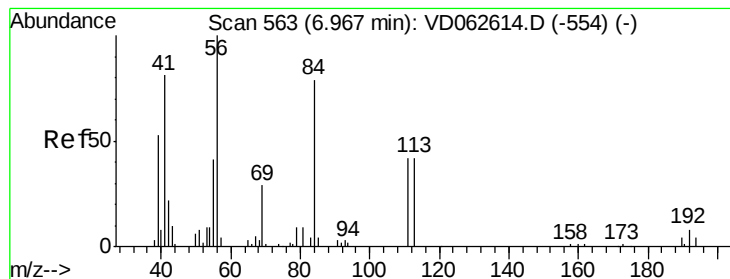
83 100

85 61.0 50.4 75.6



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





#31

Cyclohexane

Concen: 19.362 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

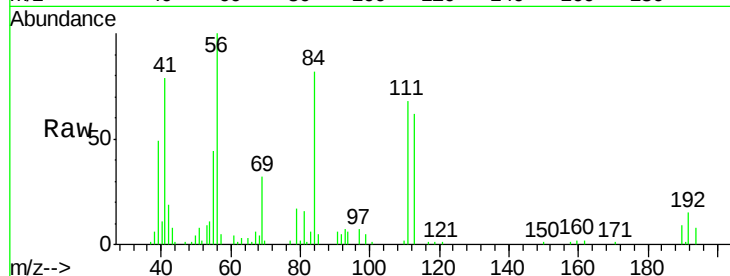
Tot Ion: 56 Resp: 169150

Ion Ratio Lower Upper

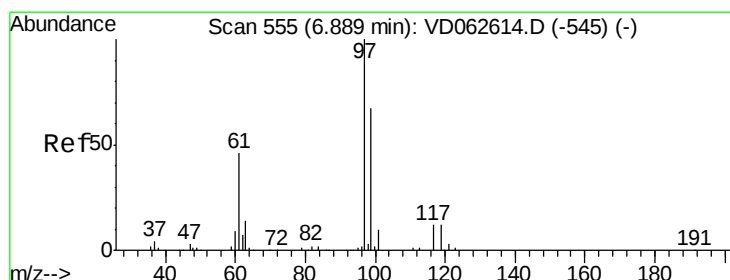
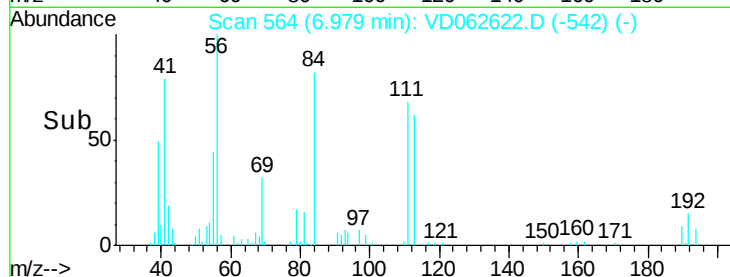
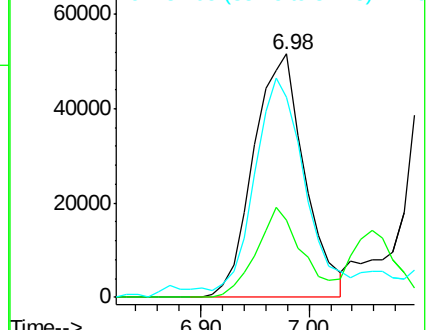
56 100

69 31.5 23.0 34.4

84 82.1 66.0 99.0



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: 20.362 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

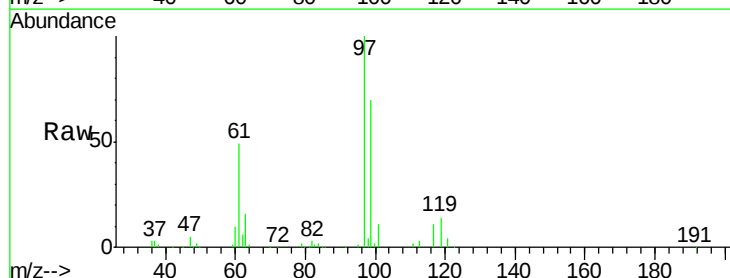
Tgt Ion: 97 Resp: 350316

Ion Ratio Lower Upper

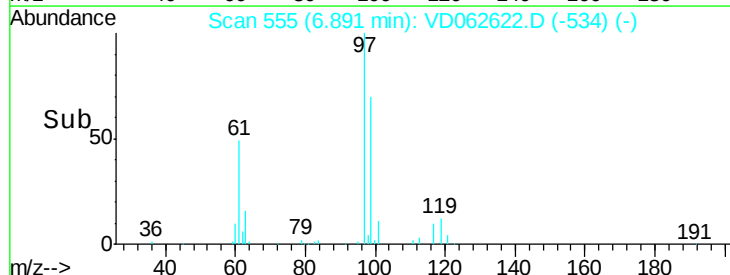
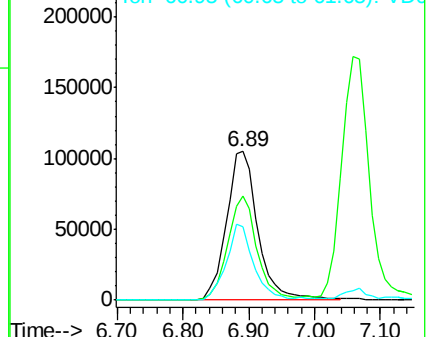
97 100

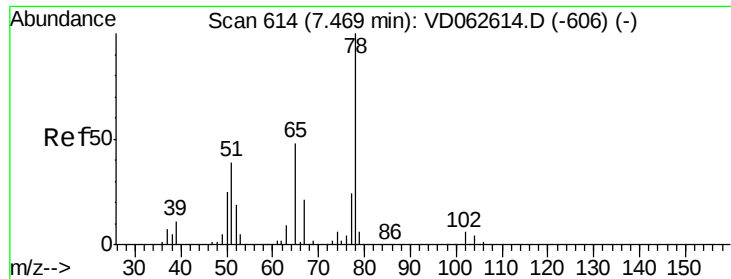
99 70.3 53.4 80.0

61 49.2 36.7 55.1



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: 56.049 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

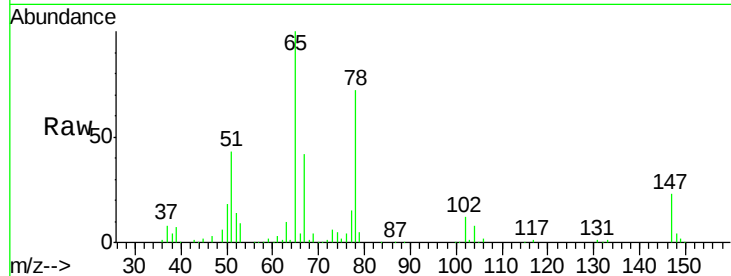
VD0605SBSD01

Tot Ion: 65 Resp: 594628

Ion Ratio Lower Upper

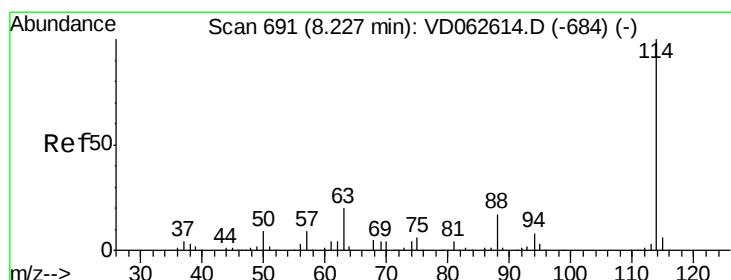
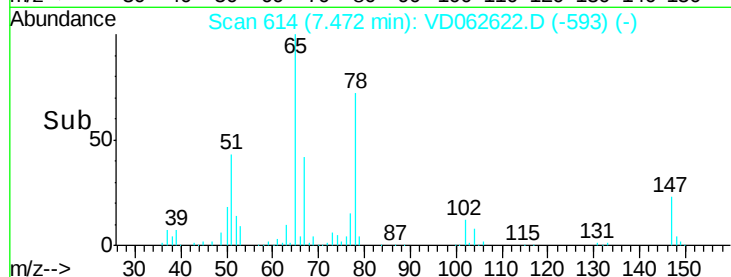
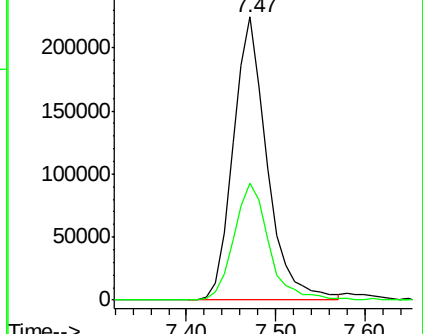
65 100

67 41.5 0.0 86.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

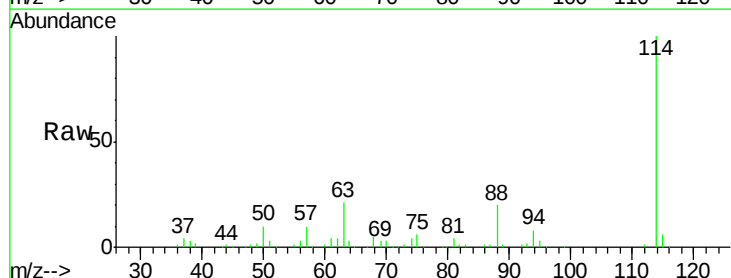
Tgt Ion: 114 Resp: 1056808

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

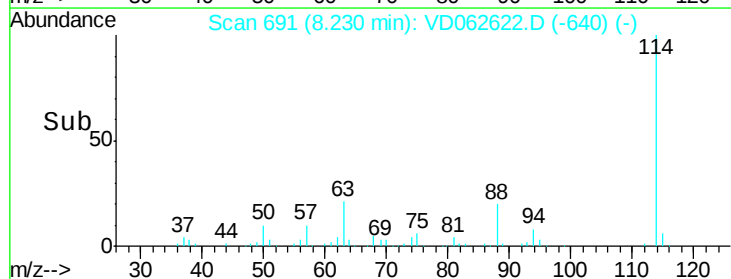
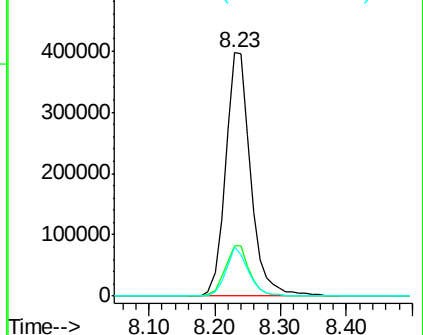
88 19.9 0.0 34.2

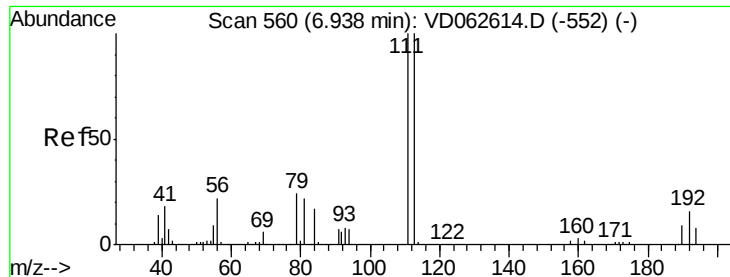


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

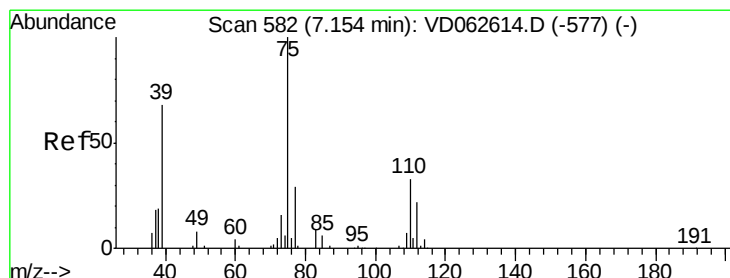
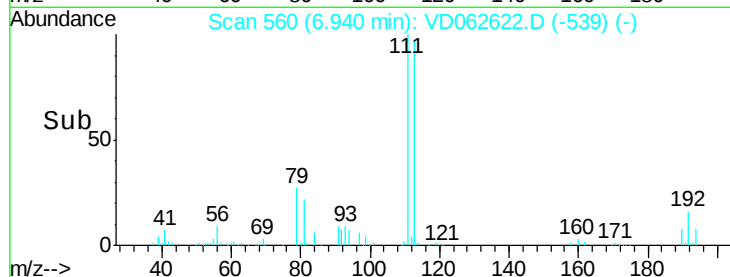
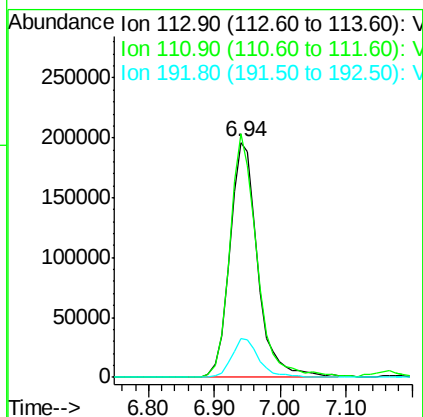
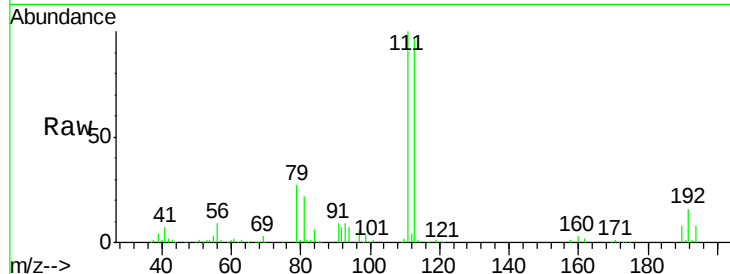




#35
Dibromofluoromethane
Concen: 54.310 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

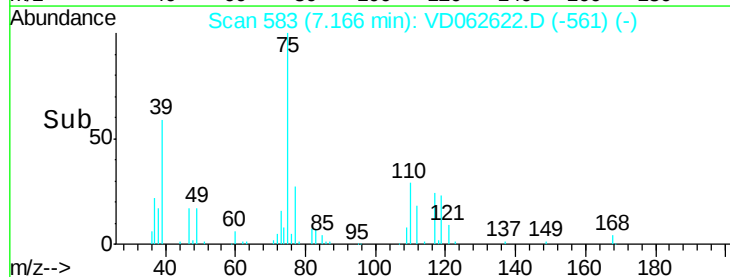
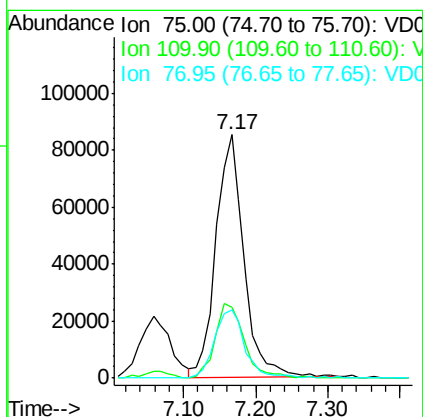
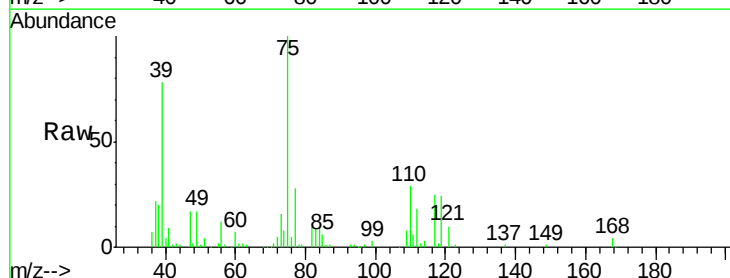
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

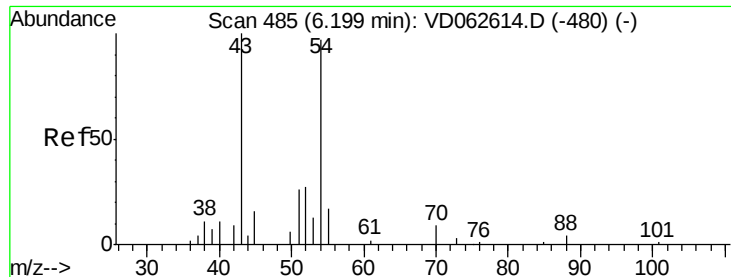
Tot Ion:113 Resp: 583336
Ion Ratio Lower Upper
113 100
111 103.6 80.1 120.1
192 16.7 13.0 19.6



#36
1,1-Dichloropropene
Concen: 20.040 ug/l
RT: 7.17 min Scan# 583
Delta R.T. 0.01 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 75 Resp: 227698
Ion Ratio Lower Upper
75 100
110 29.2 16.5 49.5
77 27.9 23.3 34.9

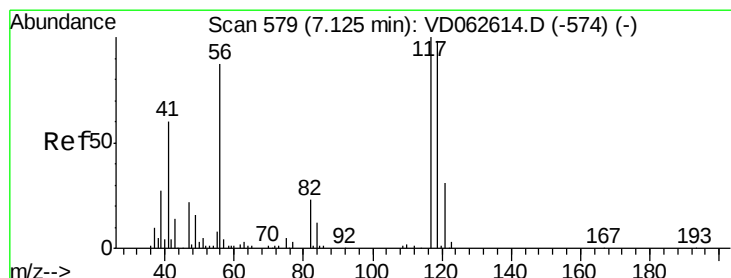
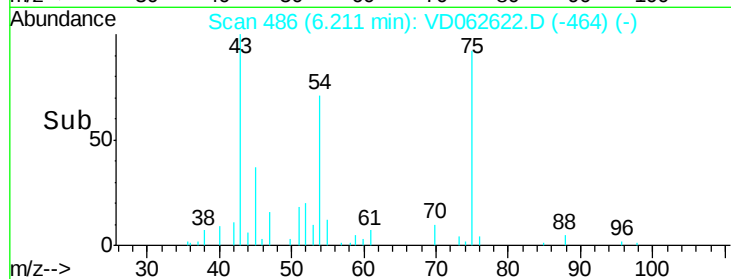
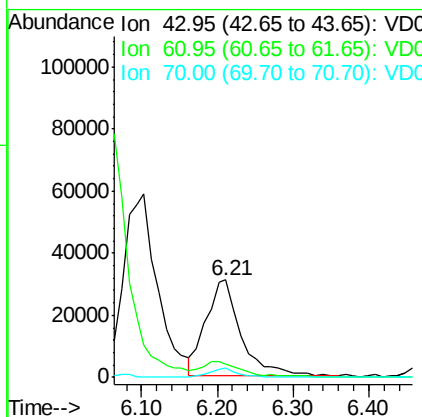
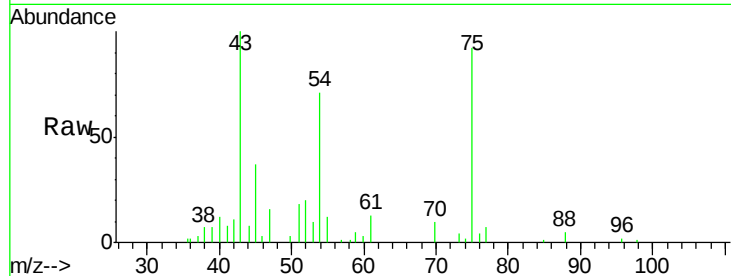




#37
Ethyl Acetate
Concen: 21.488 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

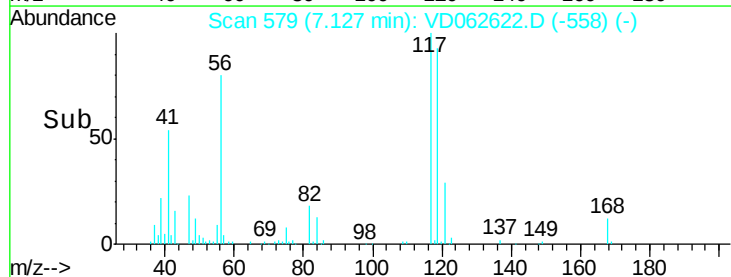
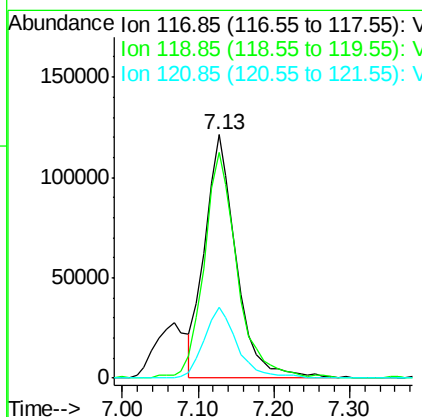
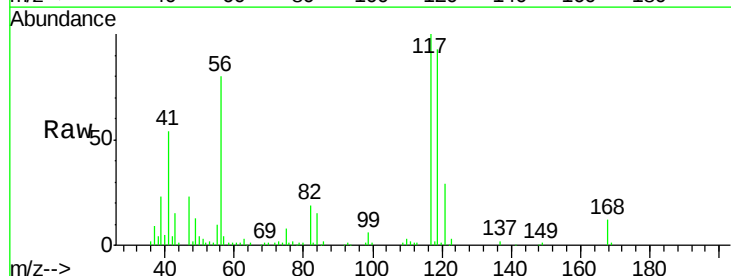
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

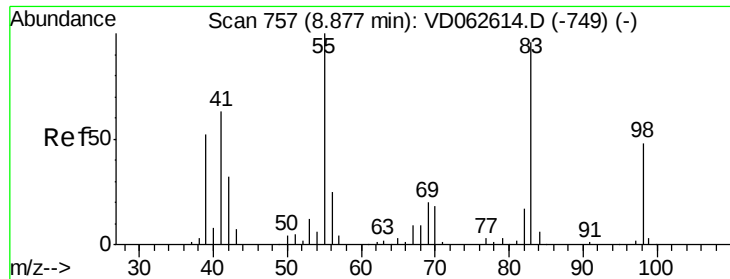
Tot Ion: 43 Resp: 98529
Ion Ratio Lower Upper
43 100
61 13.1 8.8 13.2
70 9.9 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 20.364 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 117 Resp: 347288
Ion Ratio Lower Upper
117 100
119 92.7 74.1 111.1
121 29.0 23.5 35.3

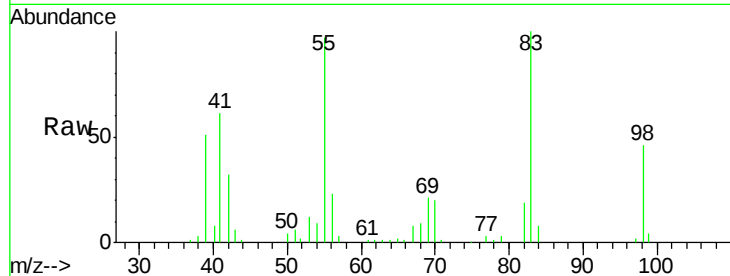




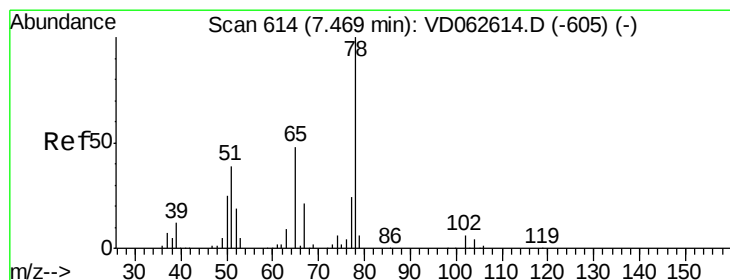
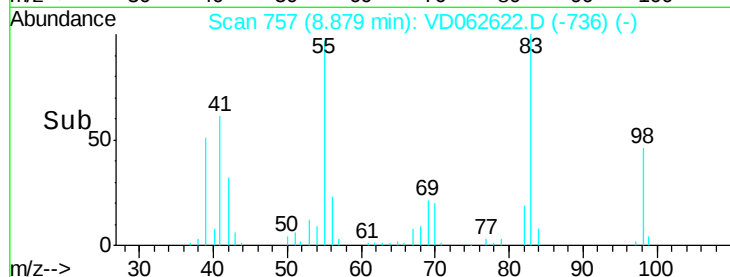
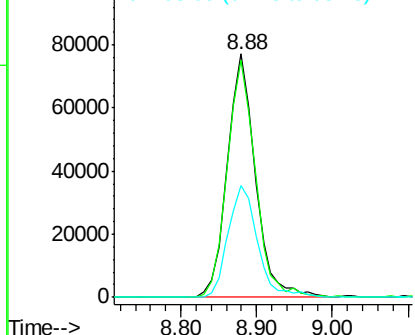
#39
Methvlcvclohexane
Concen: 20.431 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

Tot Ion: 83 Resp: 198483
Ion Ratio Lower Upper
83 100
55 97.3 83.2 124.8
98 45.8 39.8 59.8

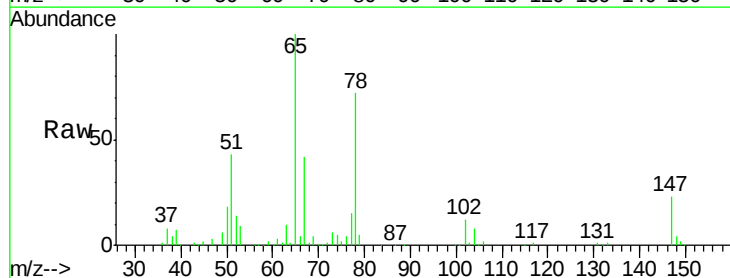


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

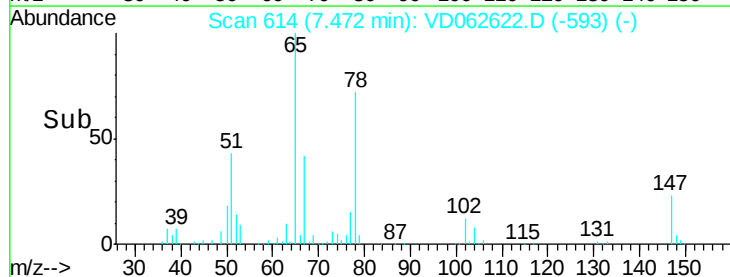
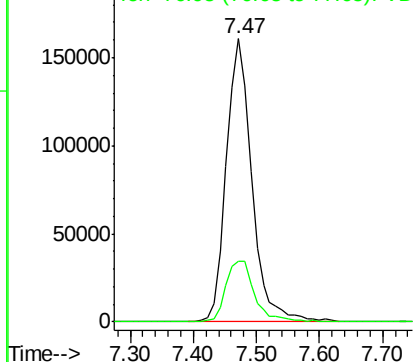


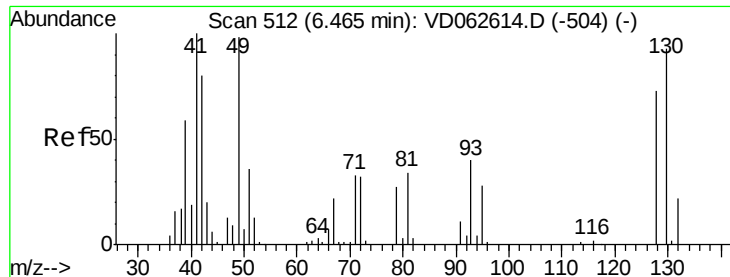
#40
Benzene
Concen: 20.088 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 78 Resp: 450800
Ion Ratio Lower Upper
78 100
77 21.3 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.076 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

Tot Ion: 41 Resp: 125148

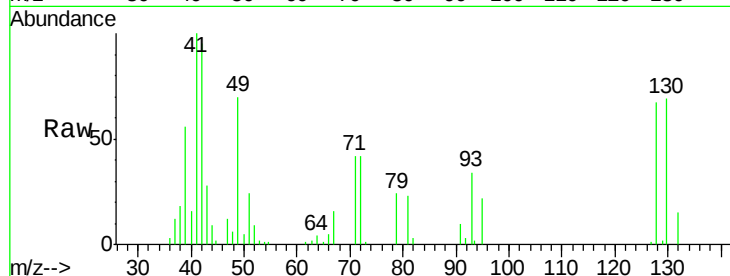
Ion Ratio Lower Upper

41 100

39 56.4 47.5 71.3

67 16.0 17.8 26.6#

52 9.5 10.2 15.4#

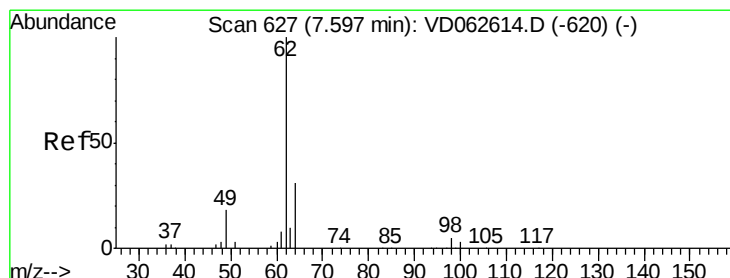
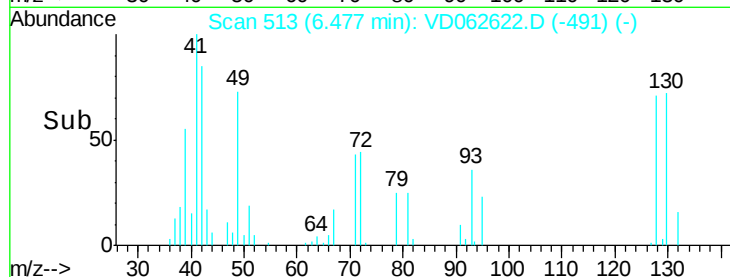
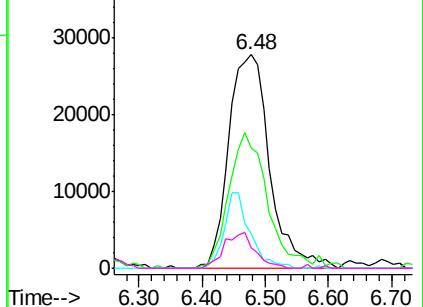


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 19.866 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062622.D

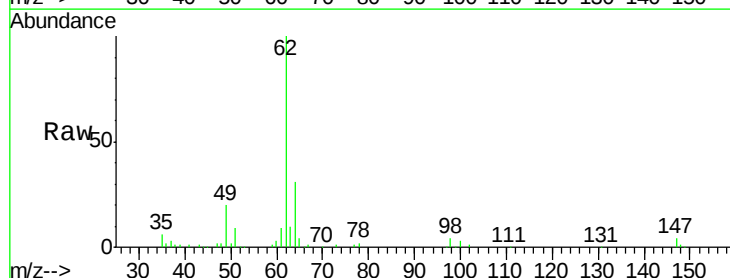
Acq: 6 Jun 2019 12:43

Tgt Ion: 62 Resp: 262412

Ion Ratio Lower Upper

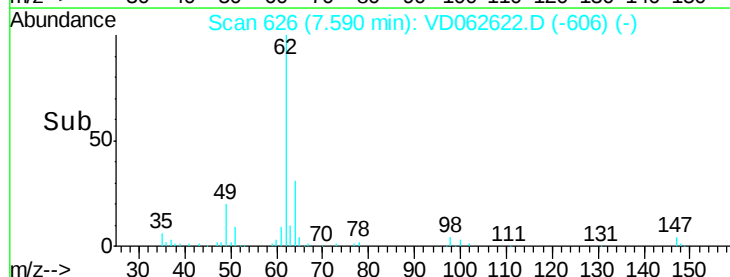
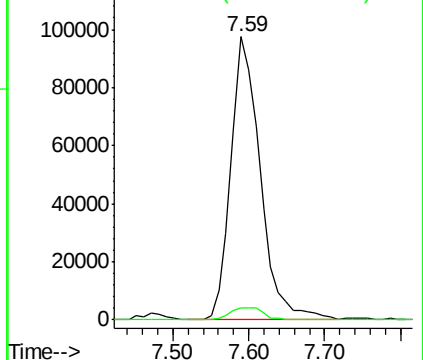
62 100

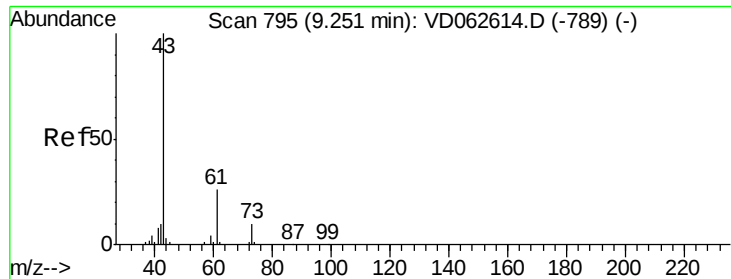
98 4.4 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



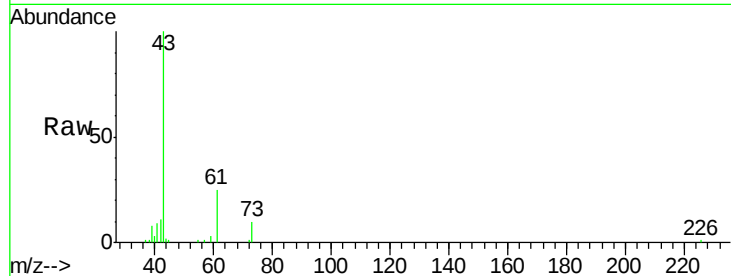


#43

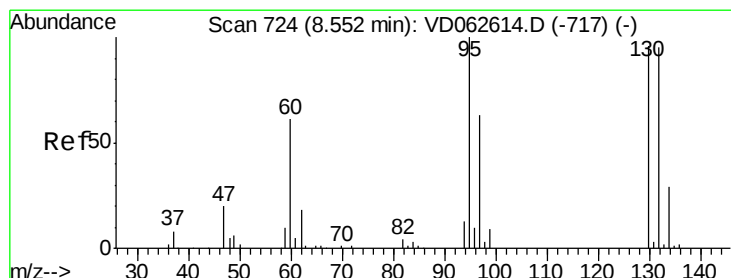
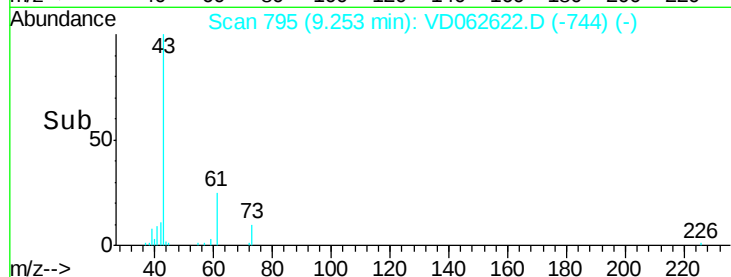
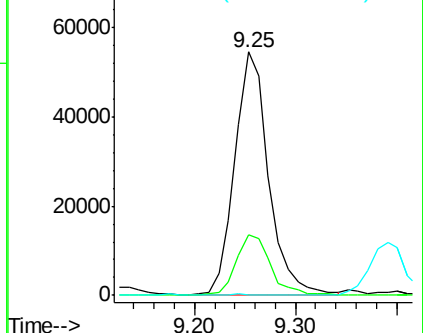
Isopropyl Acetate
 Concen: 20.325 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBSD01

Tot Ion: 43 Resp: 128088
 Ion Ratio Lower Upper
 43 100
 61 24.7 21.0 31.6
 87 0.0 0.2 0.4#



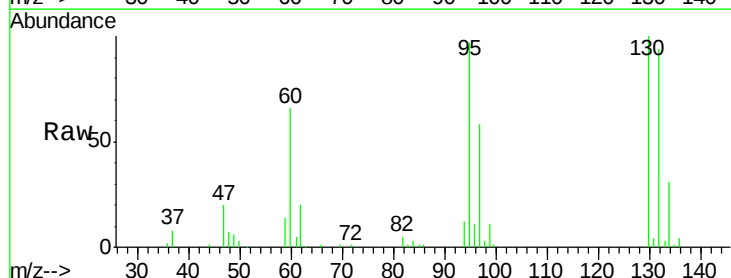
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



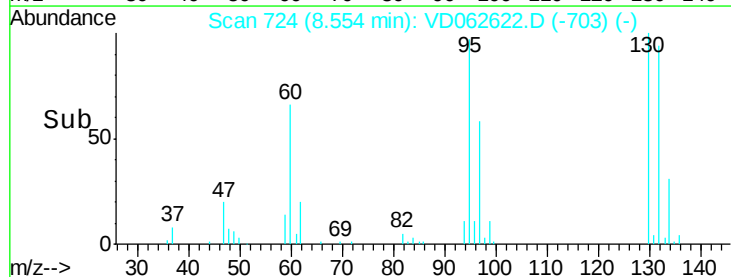
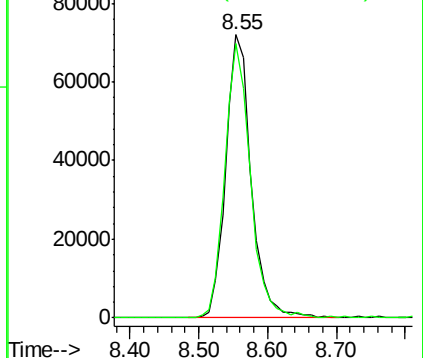
#44

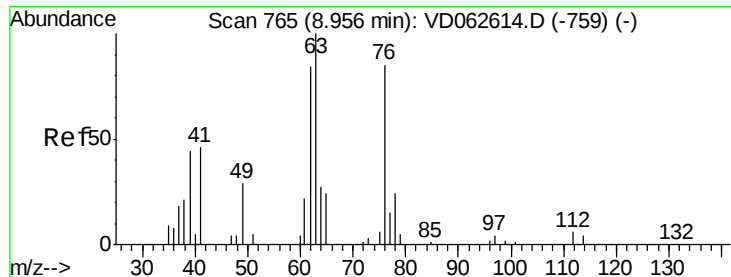
Trichloroethene
 Concen: 20.108 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion: 130 Resp: 182989
 Ion Ratio Lower Upper
 130 100
 95 96.8 0.0 208.2



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





#45

1,2-Dichloropropane

Concen: 18.794 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

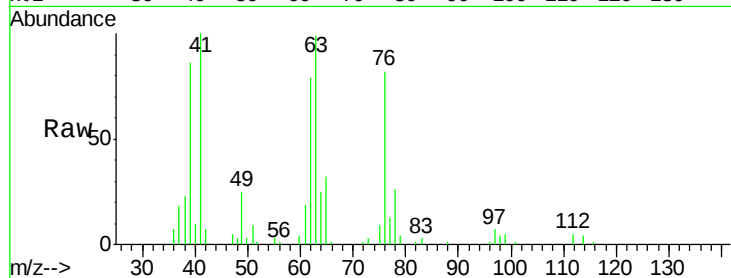
VD0605SBSD01

Tot Ion: 63 Resp: 105612

Ion Ratio Lower Upper

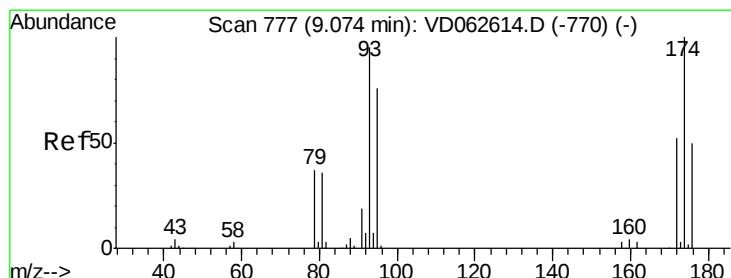
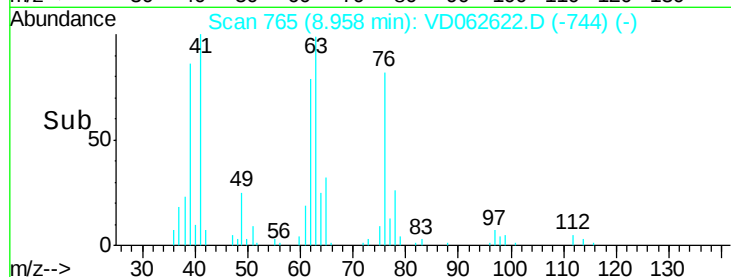
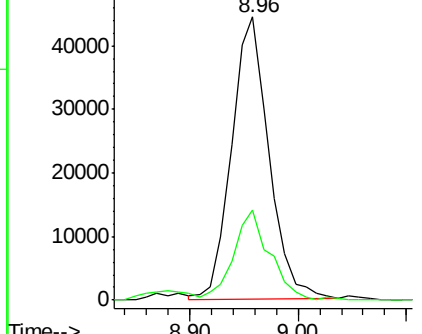
63 100

65 31.8 21.7 32.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.063 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

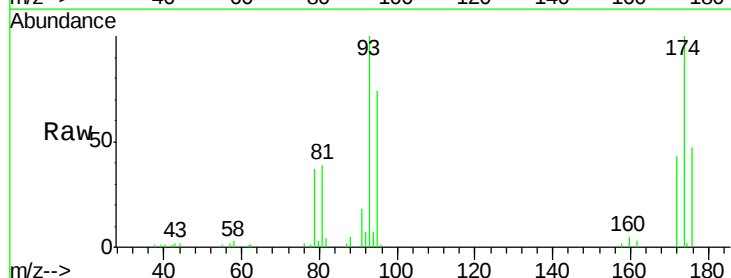
Tgt Ion: 93 Resp: 98083

Ion Ratio Lower Upper

93 100

95 74.3 64.2 96.2

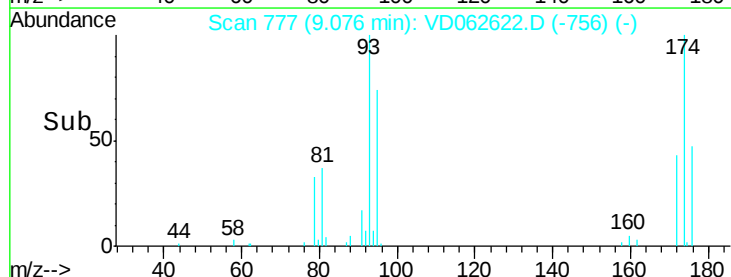
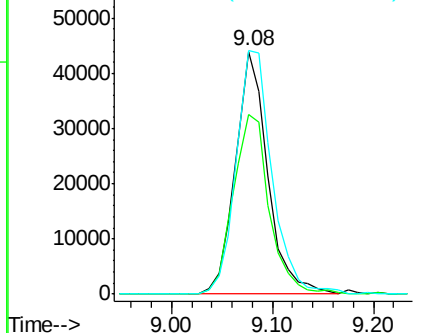
174 100.4 84.1 126.1

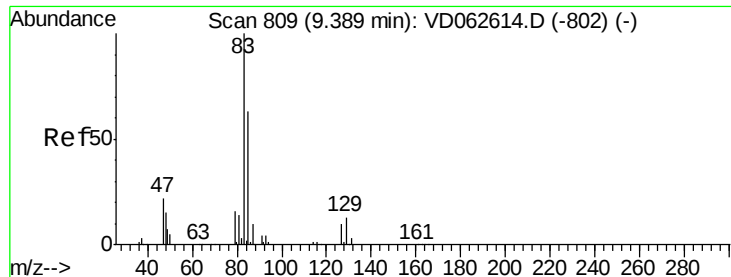


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.224 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

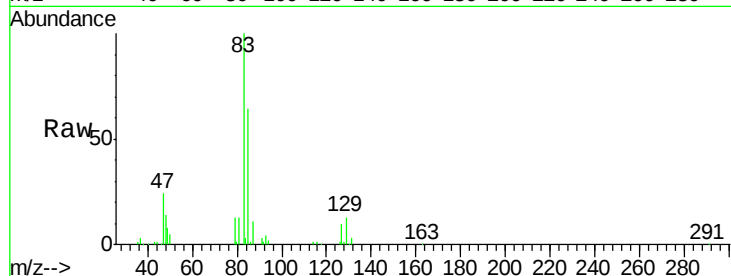
Tot Ion: 83 Resp: 266308

Ion Ratio Lower Upper

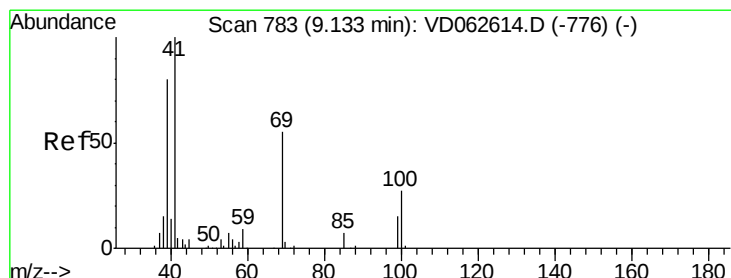
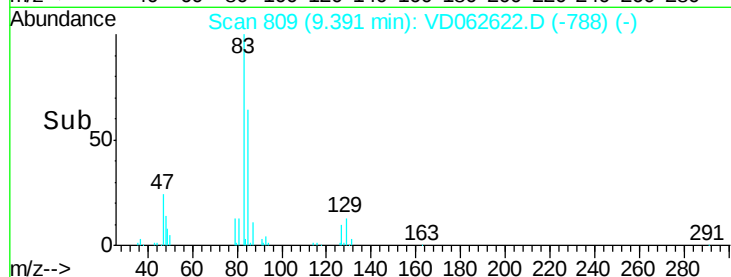
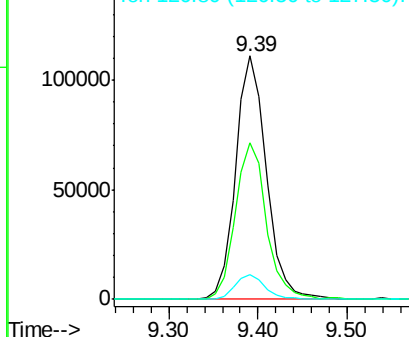
83 100

85 64.1 50.2 75.4

127 10.2 7.9 11.9



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: 20.744 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

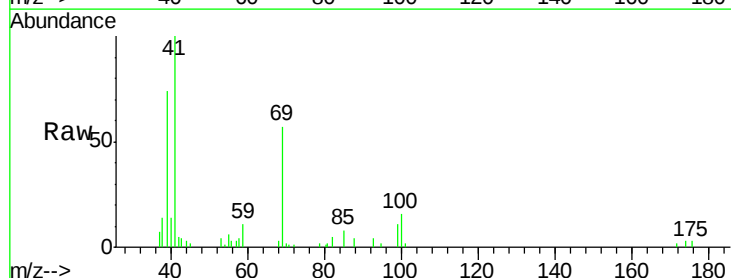
Tgt Ion: 41 Resp: 88908

Ion Ratio Lower Upper

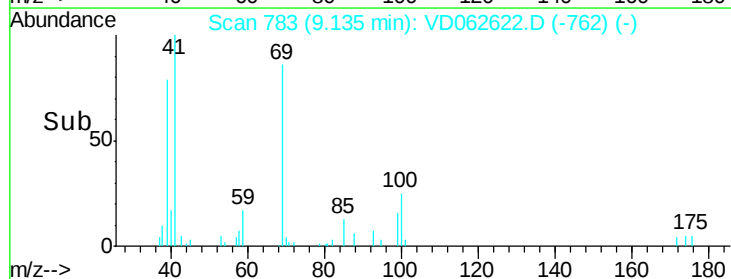
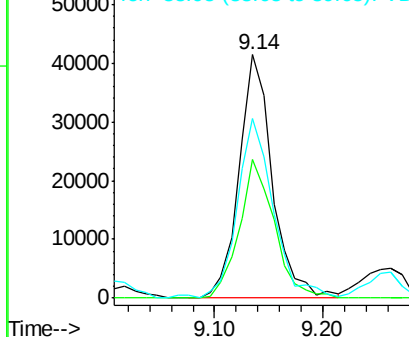
41 100

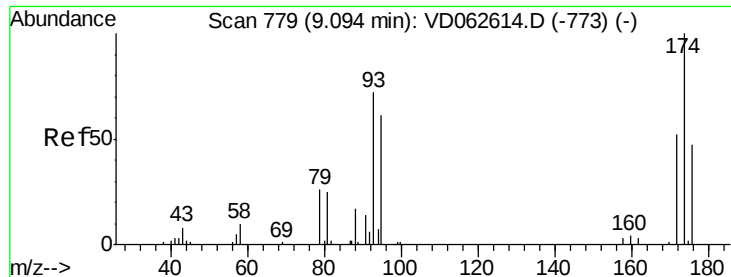
69 56.9 43.8 65.8

39 74.0 64.0 96.0



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

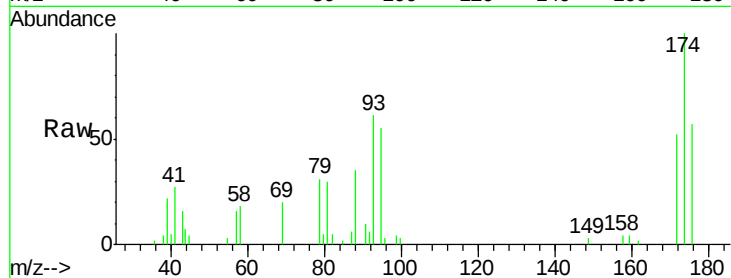




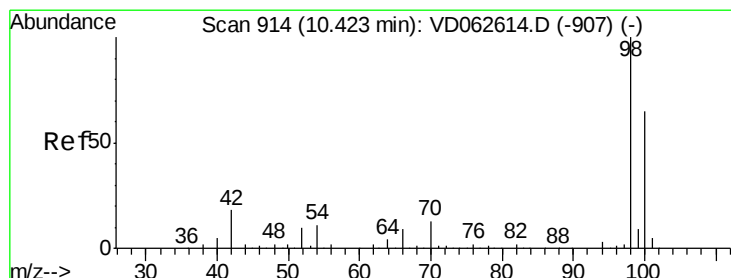
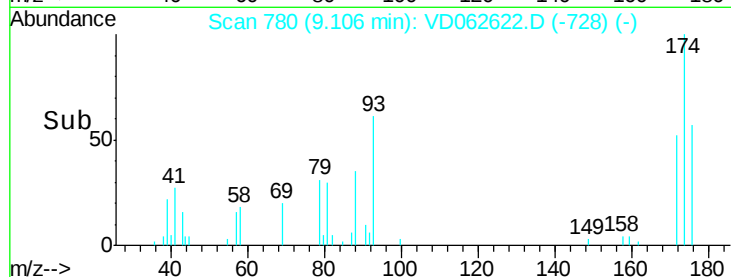
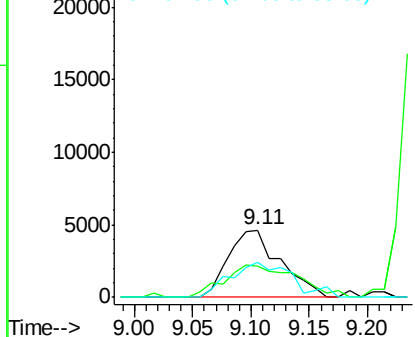
#49
1,4-Dioxane
Concen: 418.584 ug/l
RT: 9.11 min Scan# 780
Delta R.T. 0.01 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion: 88 Resp: 14238
Ion Ratio Lower Upper
88 100
43 46.3 39.3 58.9
58 52.5 45.3 67.9

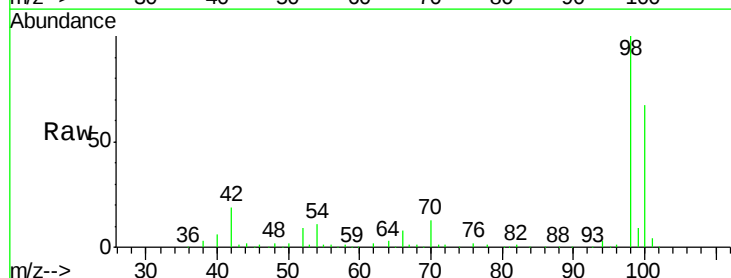


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

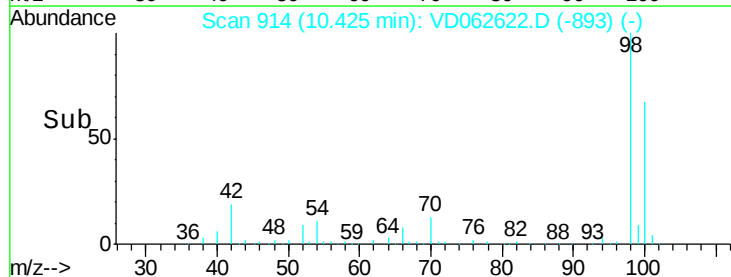
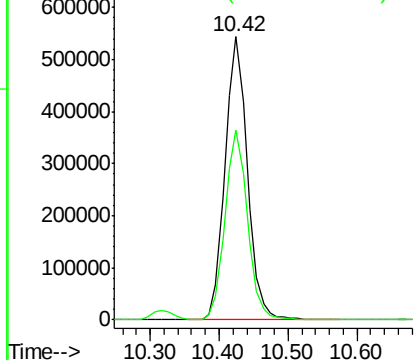


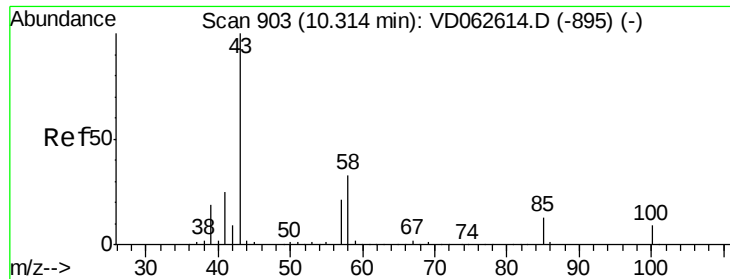
#50
Toluene-d8
Concen: 52.973 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 98 Resp: 1225720
Ion Ratio Lower Upper
98 100
100 67.3 52.8 79.2



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

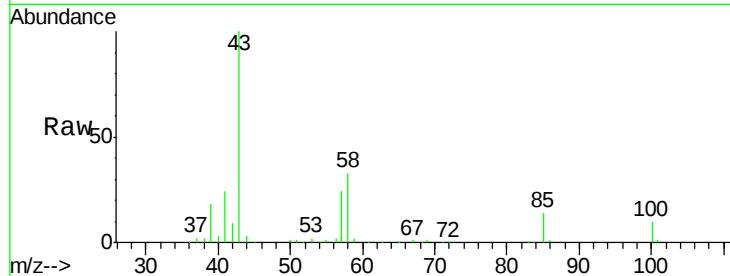




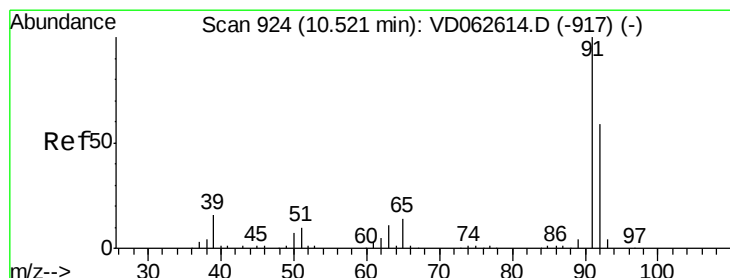
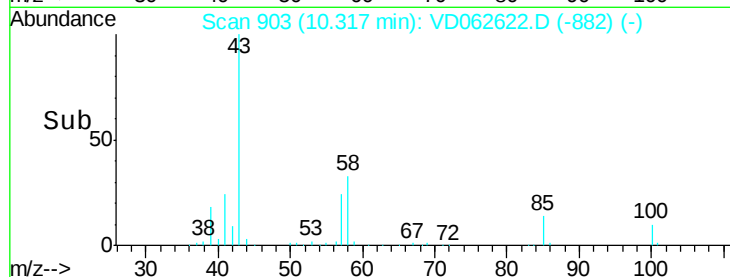
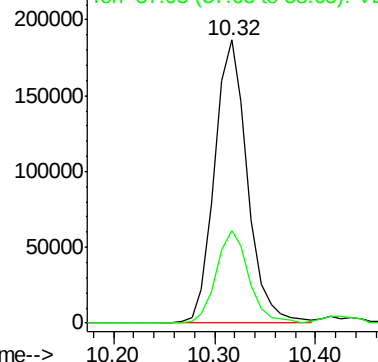
#51
4-Methyl-2-Pentanone
Concen: 103.246 ug/l
RT: 10.32 min Scan# 903
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion: 43 Resp: 423675
Ion Ratio Lower Upper
43 100
58 32.6 26.8 40.2

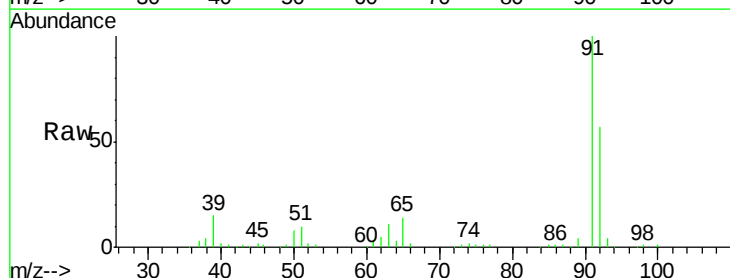


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

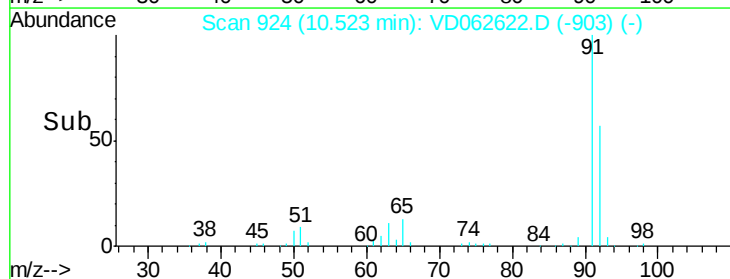
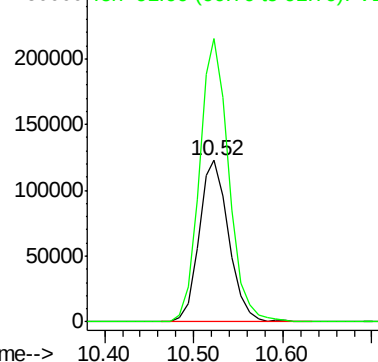


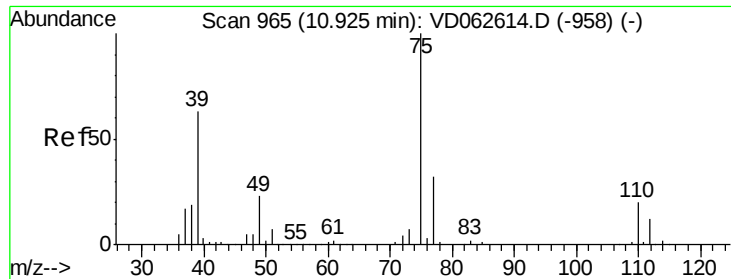
#52
Toluene
Concen: 19.260 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 92 Resp: 286681
Ion Ratio Lower Upper
92 100
91 175.6 134.7 202.1



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

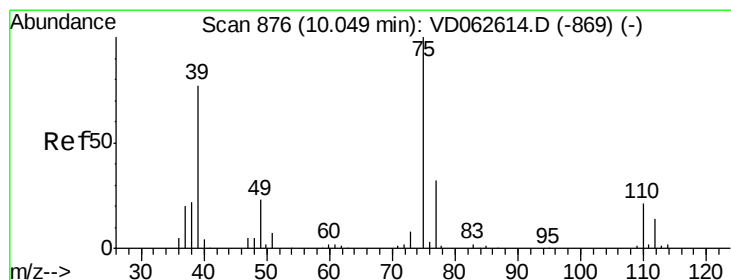
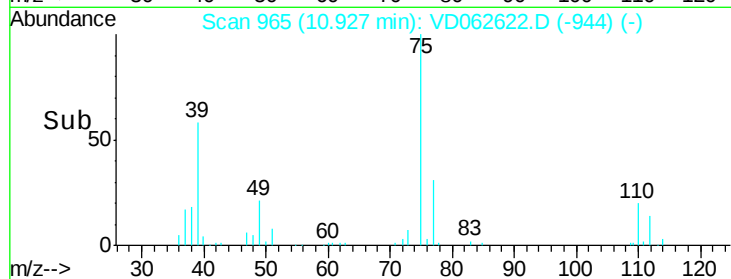
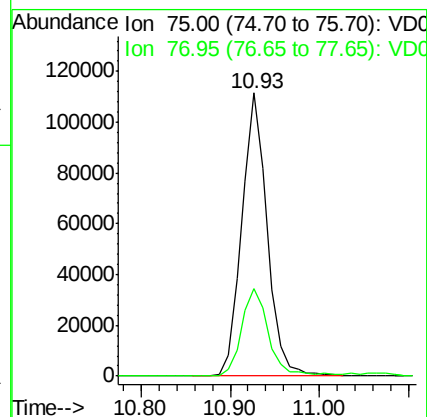
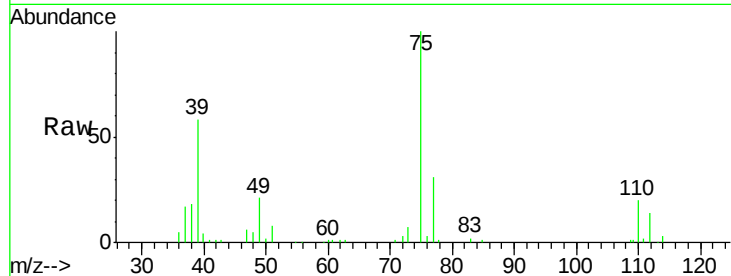




#53
 t-1,3-Dichloropropene
 Concen: 20.162 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

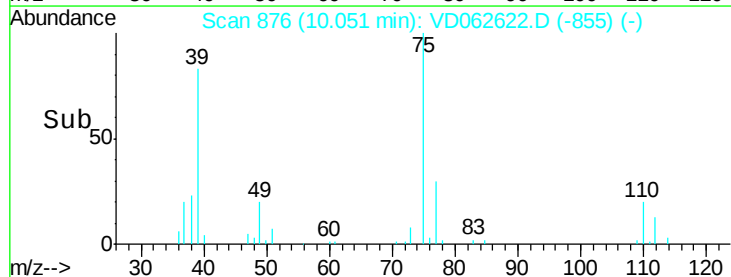
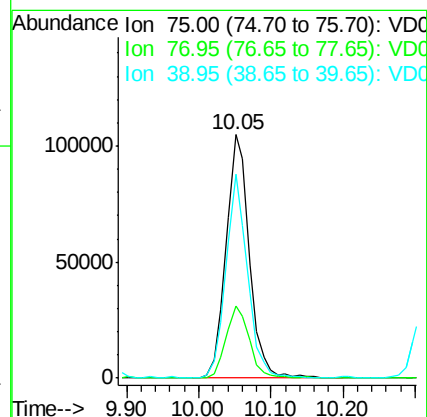
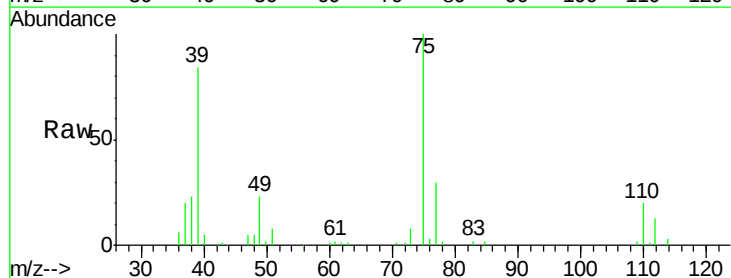
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBSD01

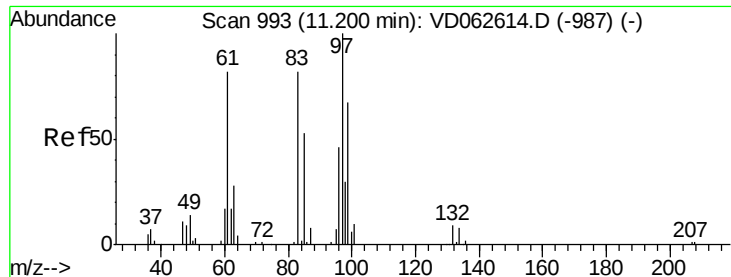
Tot Ion: 75 Resp: 220441
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.963 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion: 75 Resp: 233400
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.6 38.4
 39 83.9 61.2 91.8

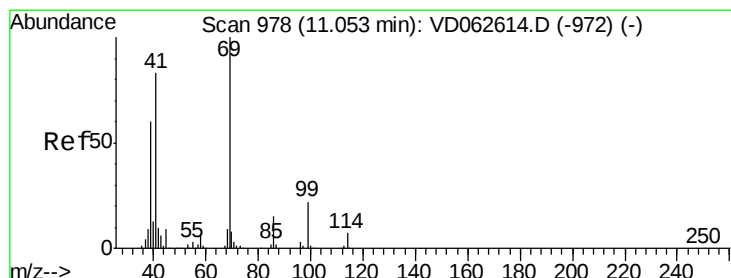
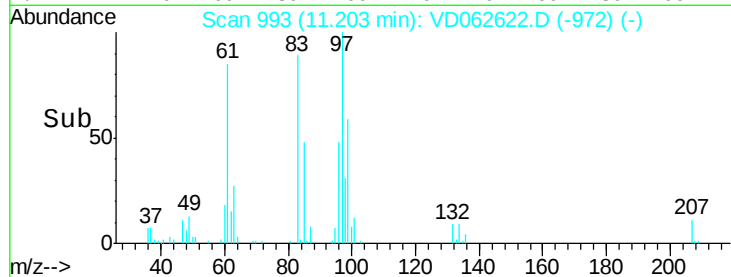
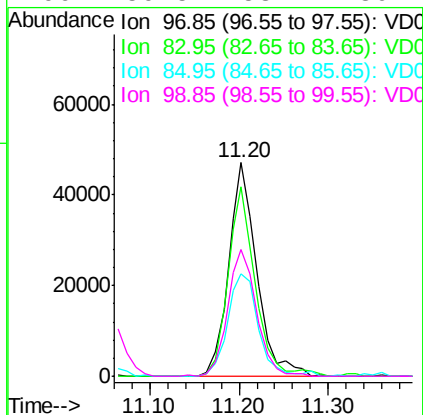
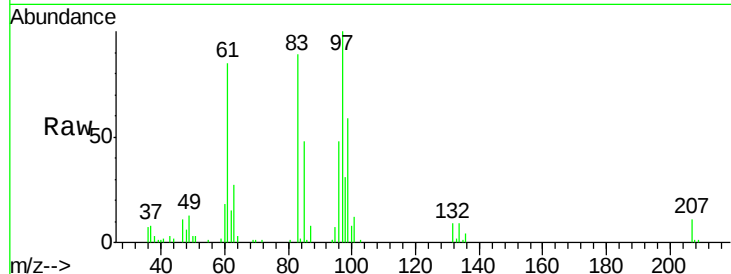




#55
 1,1,2-Trichloroethane
 Concen: 20.380 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

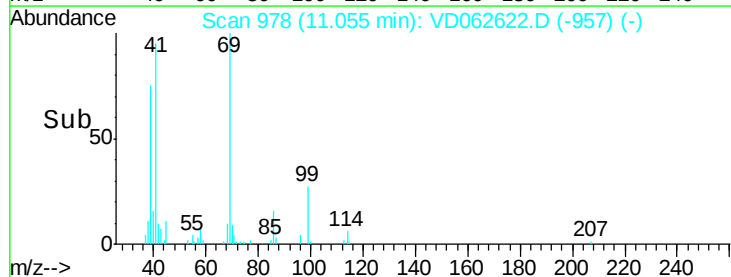
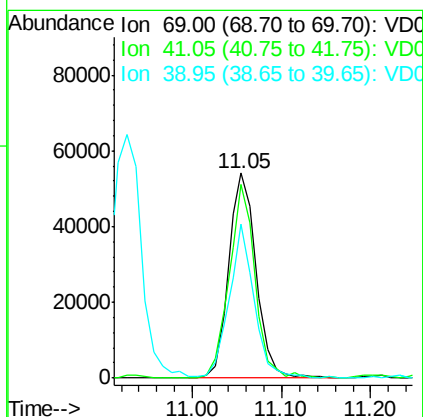
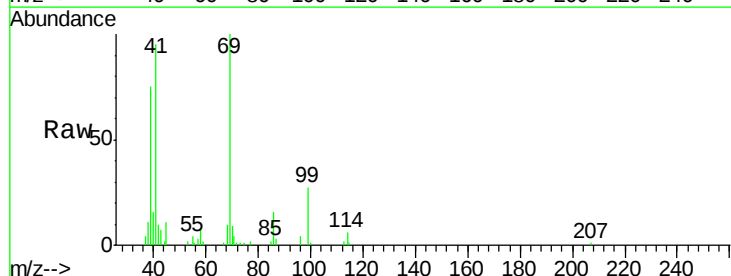
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

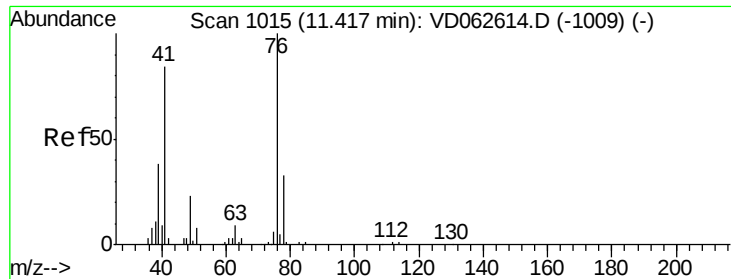
Tot Ion:	97	Resp:	104072
Ion	Ratio	Lower	Upper
97	100		
83	88.7	65.9	98.9
85	47.9	42.6	63.8
99	59.5	53.4	80.2



#56
 Ethyl methacrylate
 Concen: 20.561 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion:	69	Resp:	117018
Ion	Ratio	Lower	Upper
69	100		
41	94.7	66.3	99.5
39	75.4	48.3	72.5#

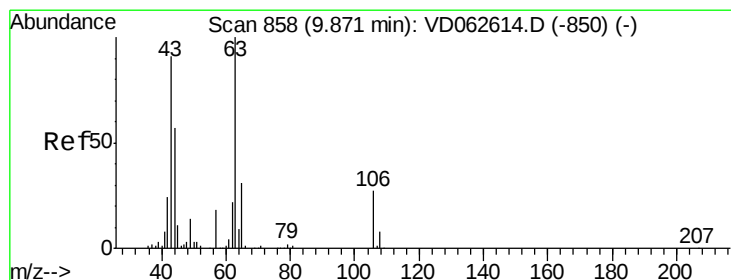
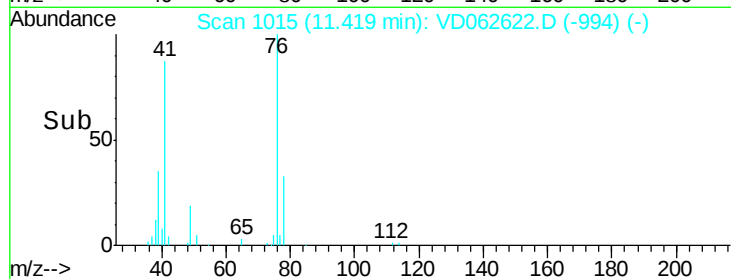
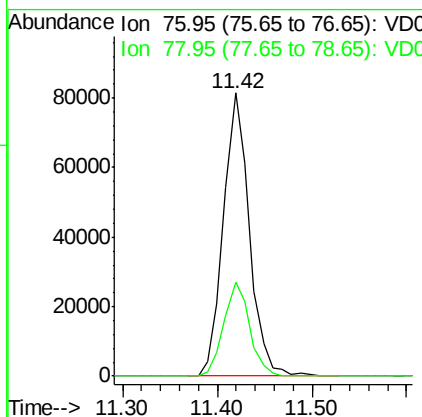
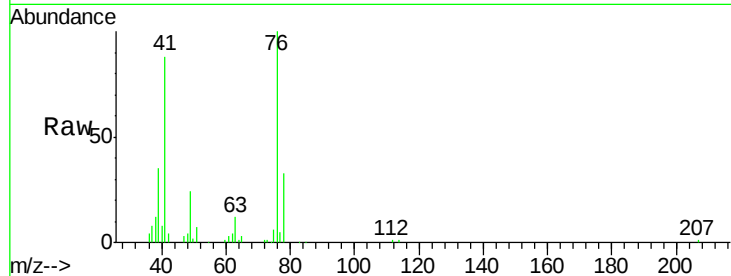




#57
 1,3-Dichloropropane
 Concen: 19.451 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

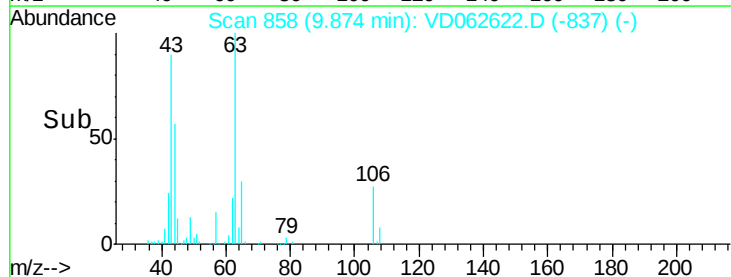
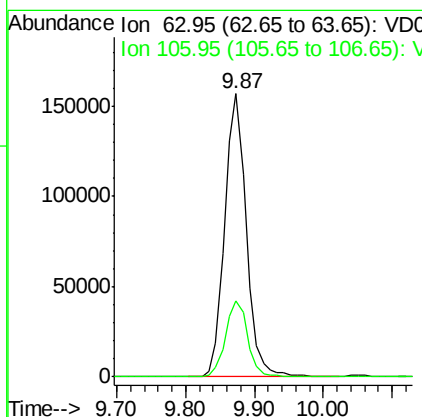
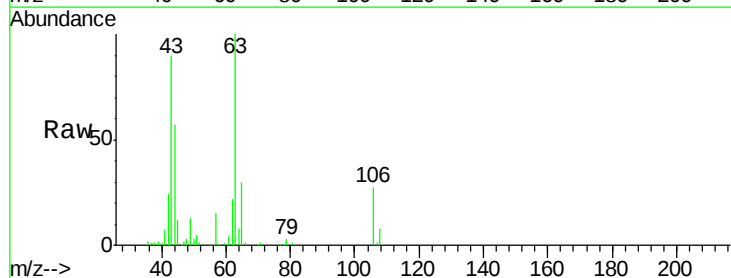
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBSD01

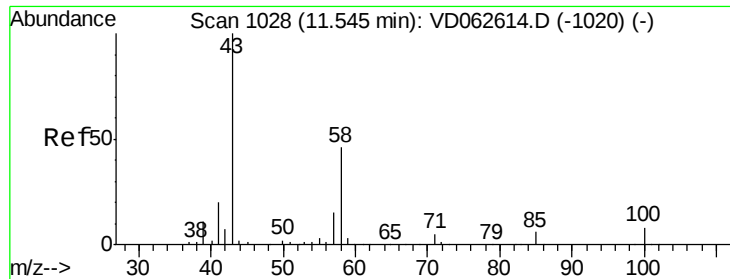
Tot Ion: 76 Resp: 155084
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.125 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion: 63 Resp: 341892
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.3 31.9

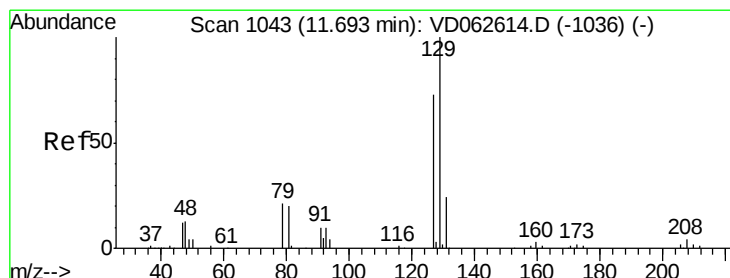
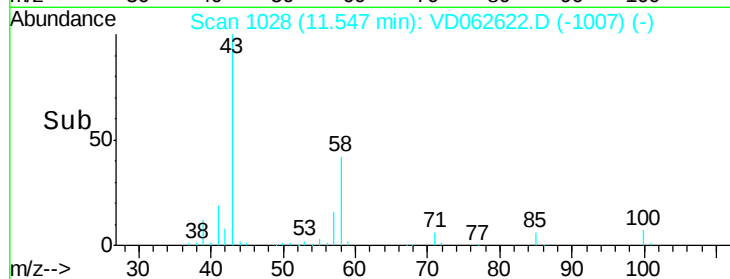
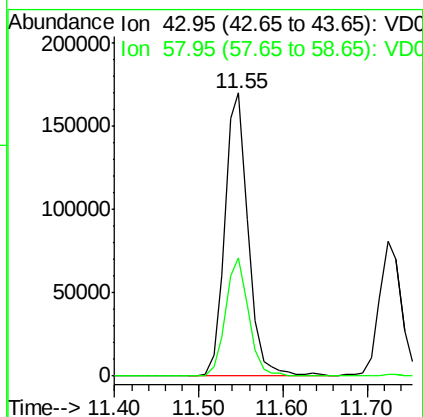
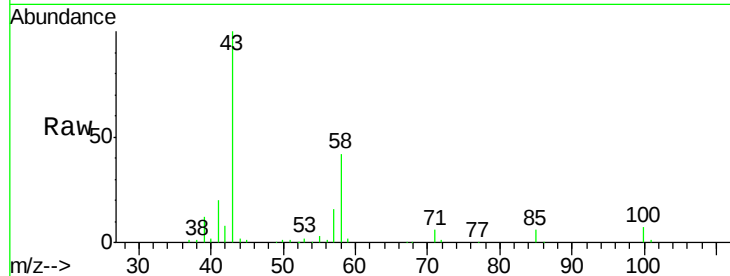




#59
2-Hexanone
Concen: 104.645 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

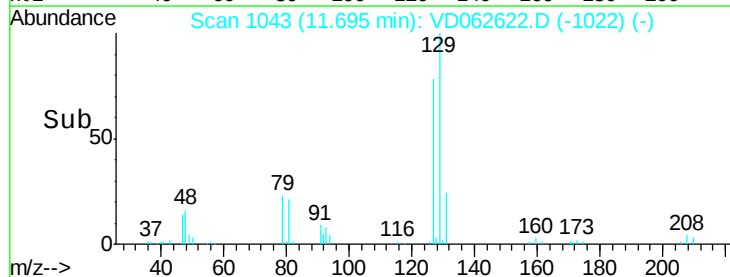
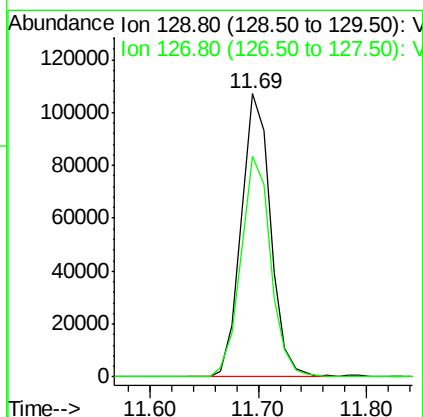
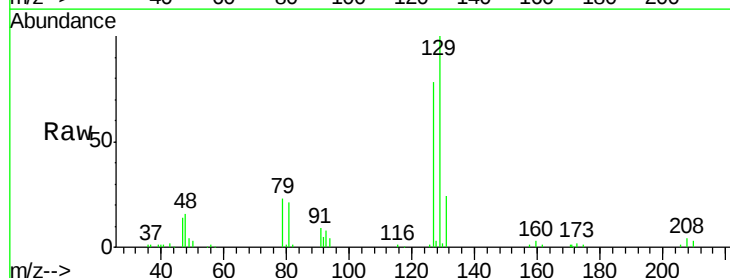
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

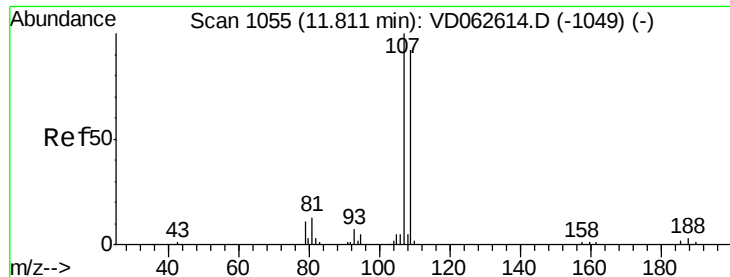
Tot Ion: 43 Resp: 325603
Ion Ratio Lower Upper
43 100
58 42.0 22.8 68.3



#60
Dibromochloromethane
Concen: 20.222 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 129 Resp: 201780
Ion Ratio Lower Upper
129 100
127 77.9 36.6 109.9





#61

1,2-Dibromoethane

Concen: 20.724 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

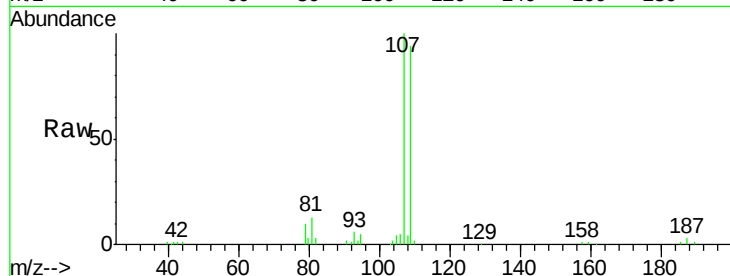
VD0605SBS01

Tot Ion: 107 Resp: 129616

Ion Ratio Lower Upper

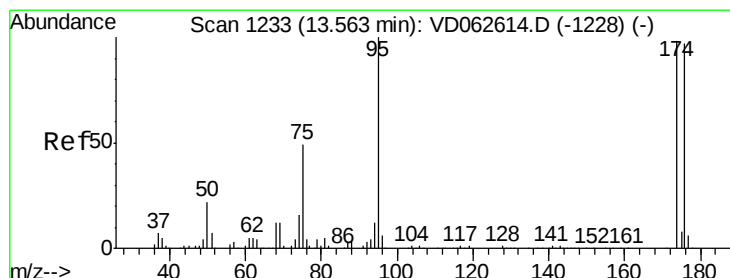
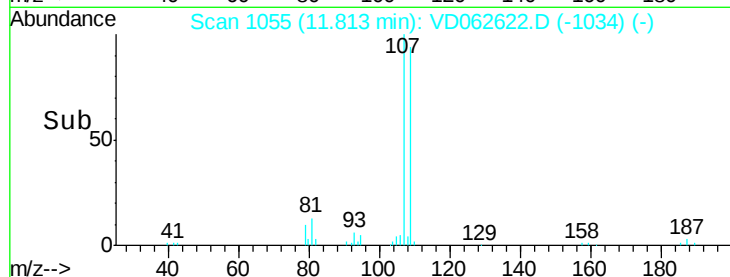
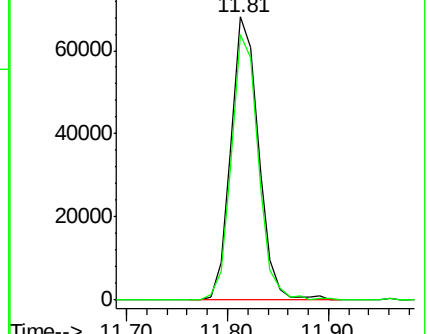
107 100

109 93.8 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.061 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

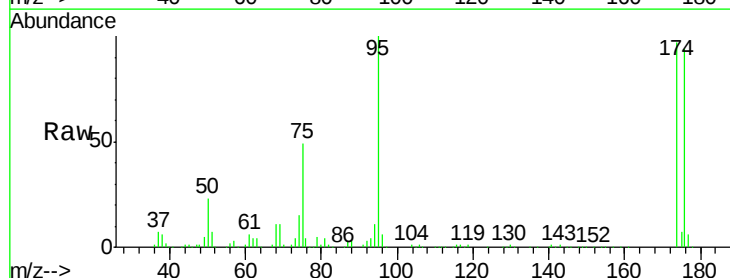
Tgt Ion: 95 Resp: 556994

Ion Ratio Lower Upper

95 100

174 96.8 0.0 195.8

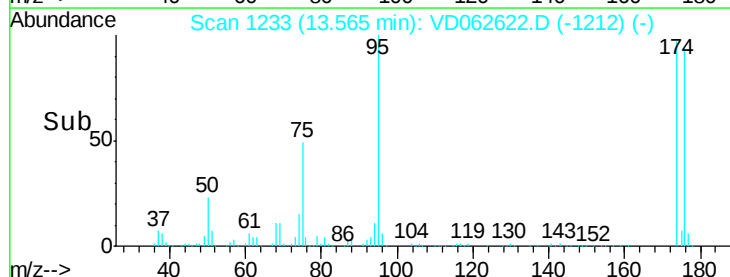
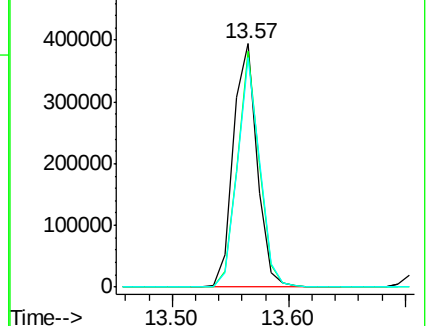
176 94.3 0.0 193.2

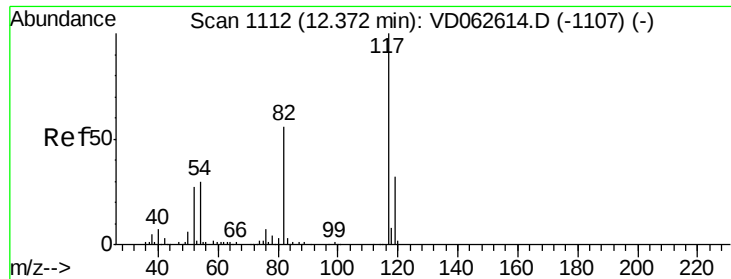


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

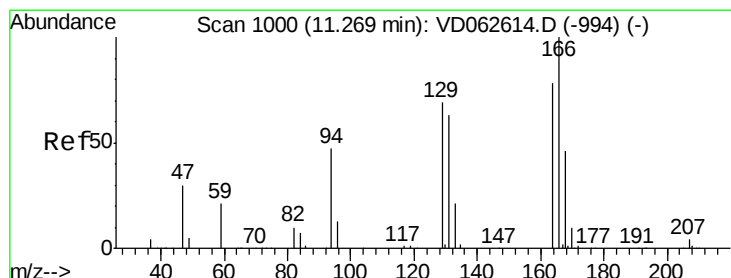
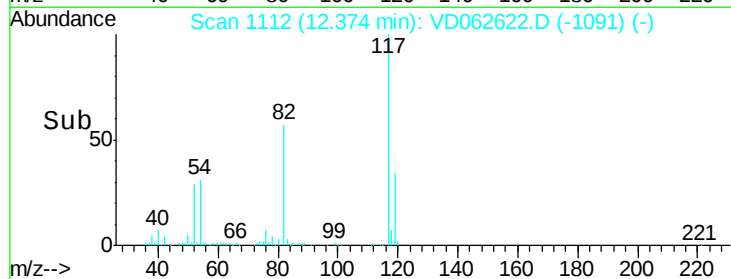
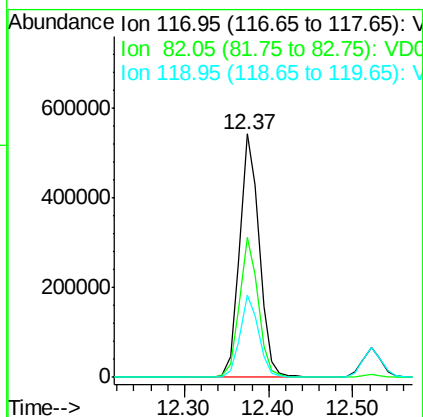
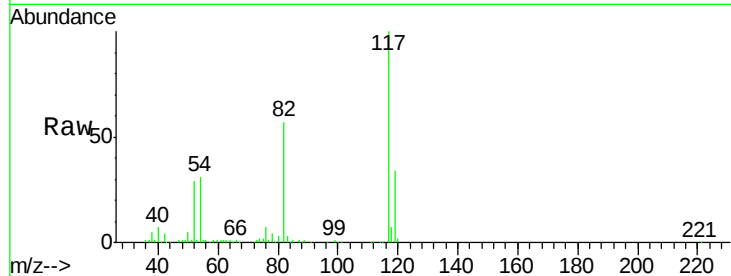




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

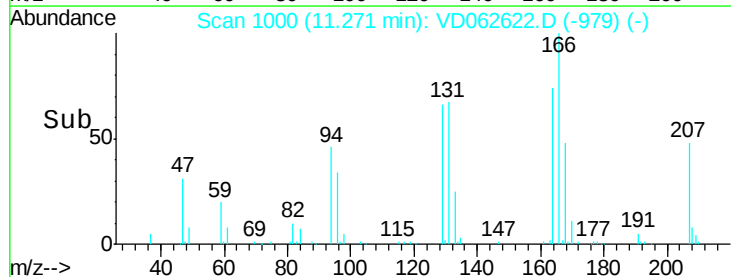
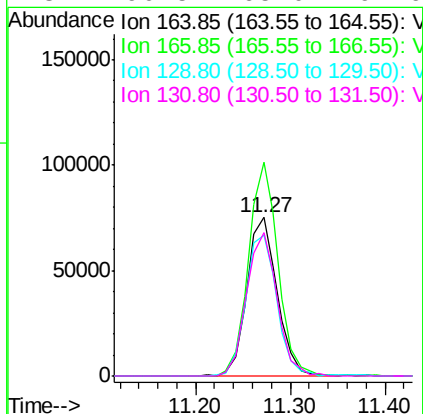
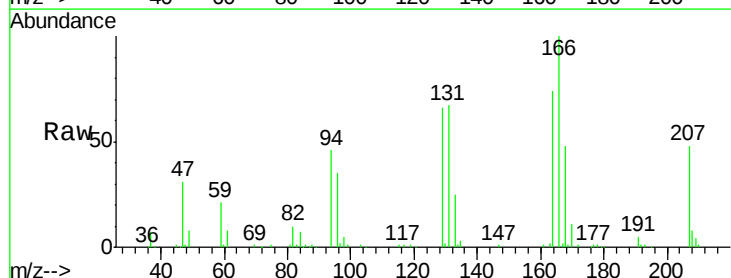
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

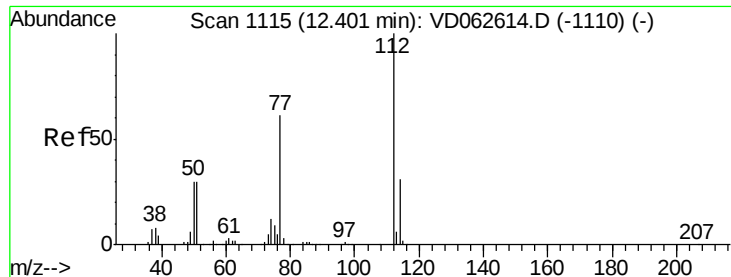
Tot Ion:117 Resp: 880247
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.6
119 33.7 25.7 38.5



#64
Tetrachloroethene
Concen: 20.899 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion:164 Resp: 166144
Ion Ratio Lower Upper
164 100
166 134.8 102.6 153.8
129 89.0 70.3 105.5
131 90.5 65.0 97.6

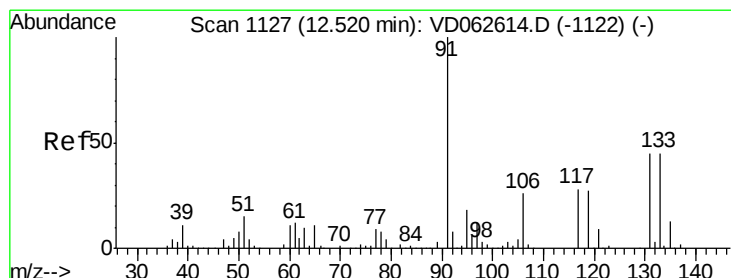
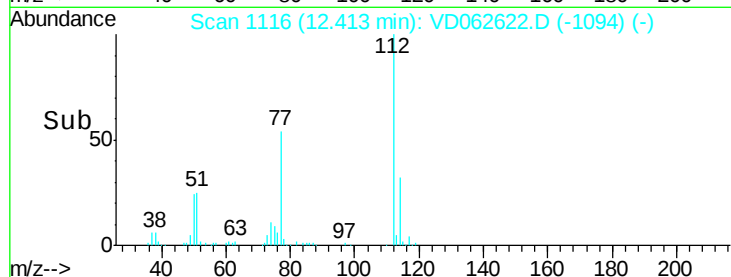
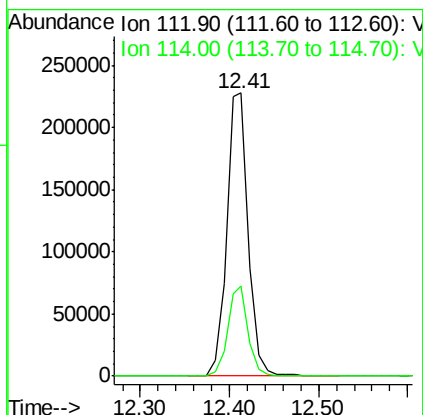
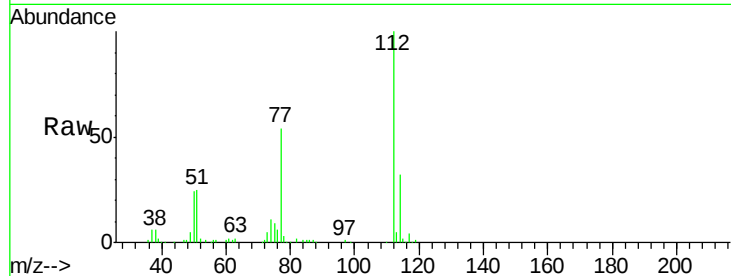




#65
Chlorobenzene
Concen: 21.159 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

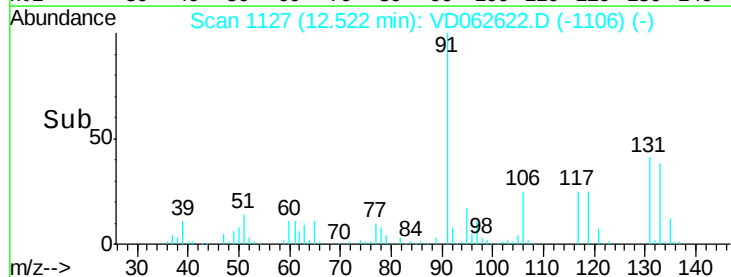
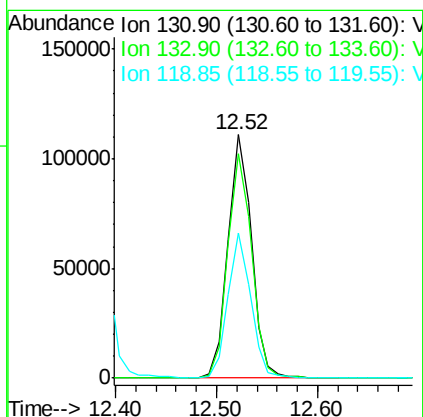
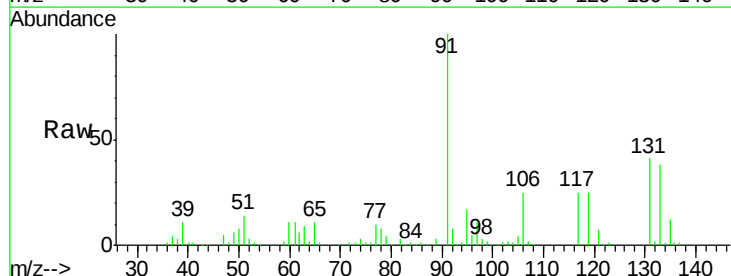
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

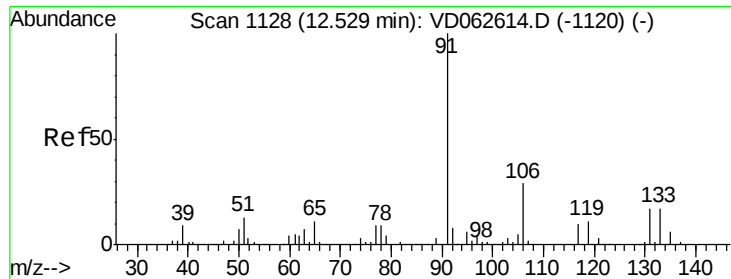
Tot Ion:112 Resp: 387021
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.498 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion:131 Resp: 180228
Ion Ratio Lower Upper
131 100
133 92.0 50.1 150.4
119 59.4 30.1 90.3

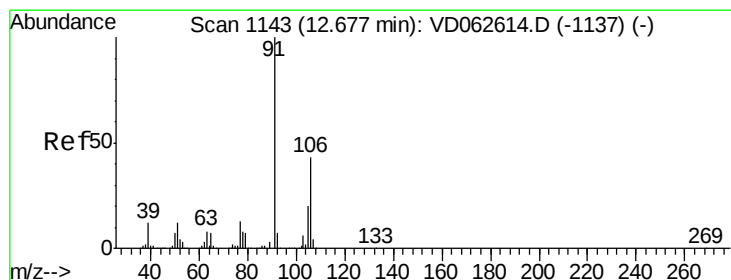
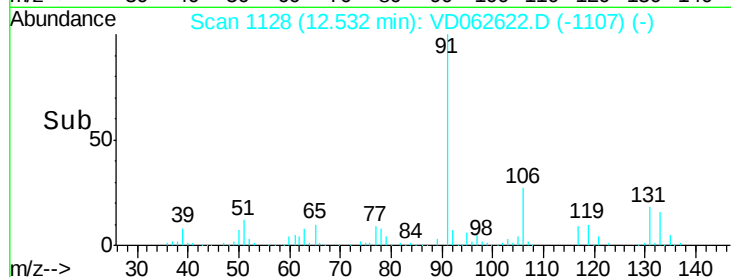
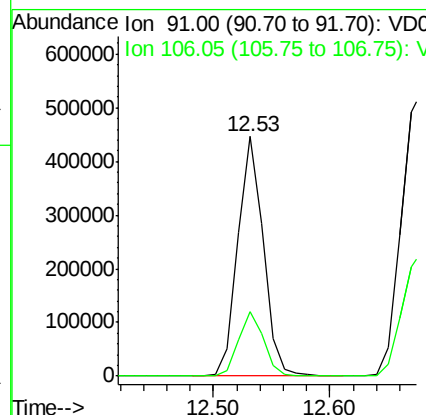
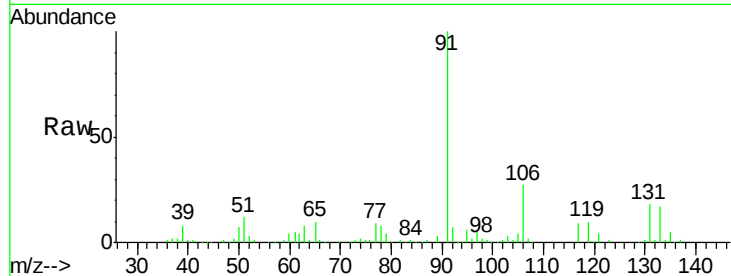




#67
Ethyl Benzene
Concen: 20.510 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

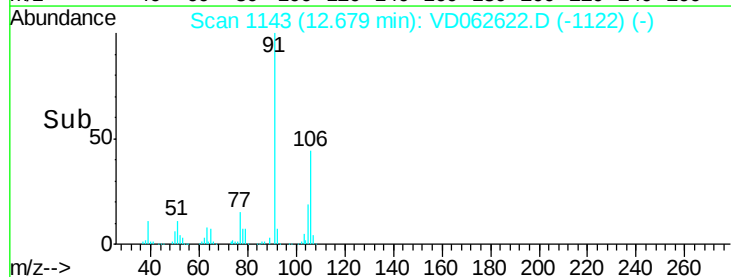
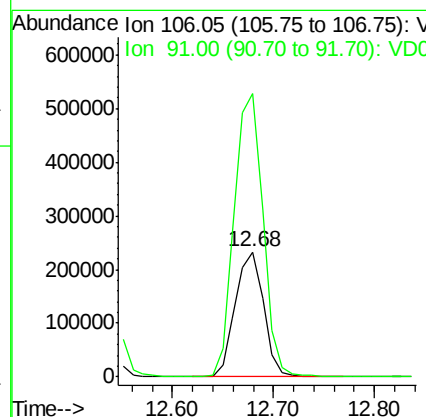
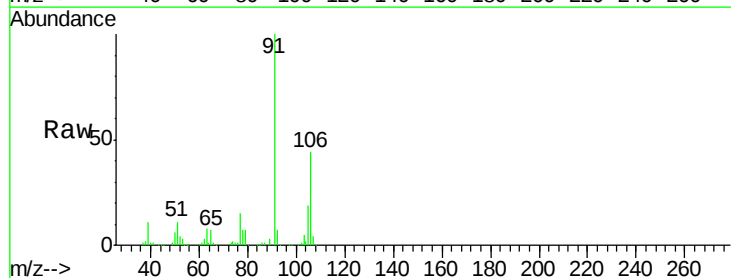
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

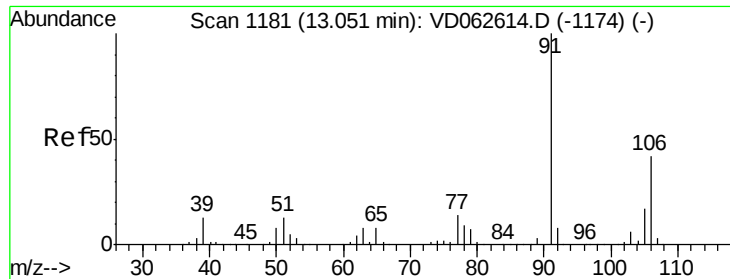
Tot Ion: 91 Resp: 678029
Ion Ratio Lower Upper
91 100
106 27.2 23.0 34.4



#68
m/p-Xylenes
Concen: 39.352 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 106 Resp: 453783
Ion Ratio Lower Upper
106 100
91 226.6 184.1 276.1

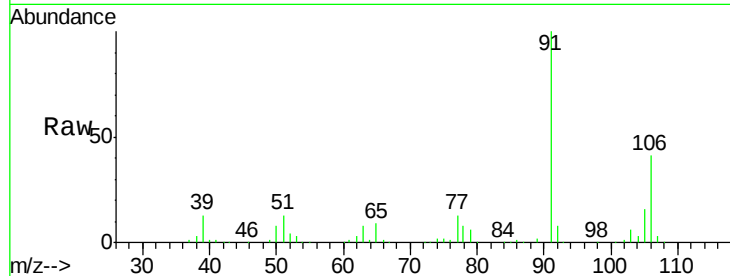




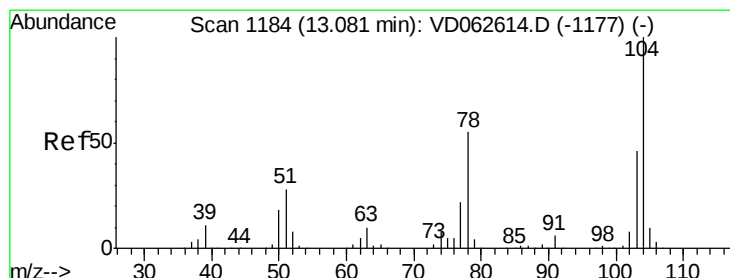
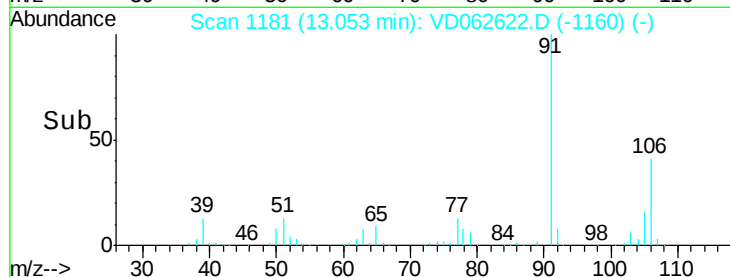
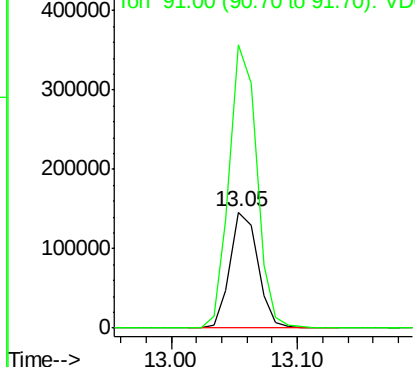
#69
o-Xylene
Concen: 20.135 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

Tot Ion:106 Resp: 223716
Ion Ratio Lower Upper
106 100
91 244.1 118.8 356.5

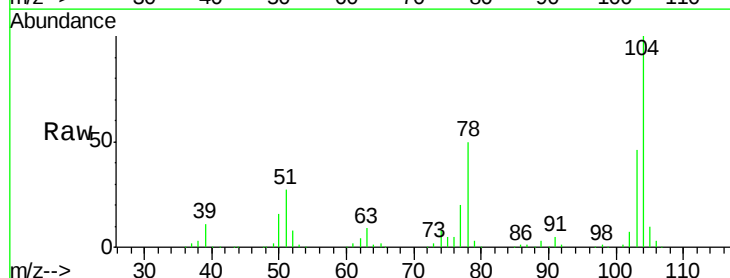


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

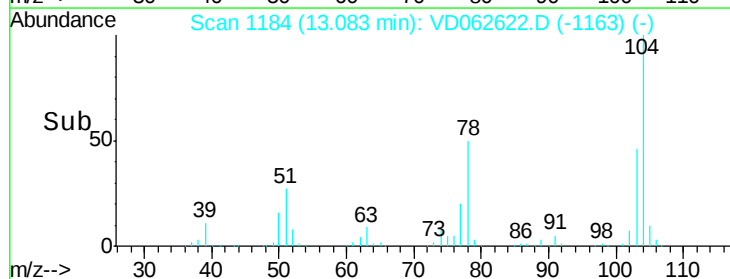
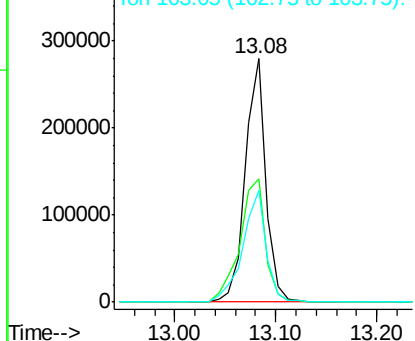


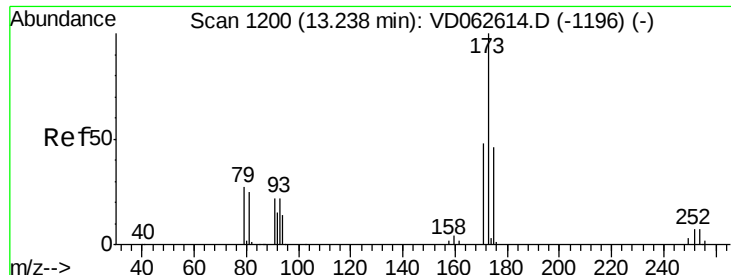
#70
Styrene
Concen: 21.274 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion:104 Resp: 397099
Ion Ratio Lower Upper
104 100
78 50.5 43.8 65.8
103 46.1 36.6 54.8



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

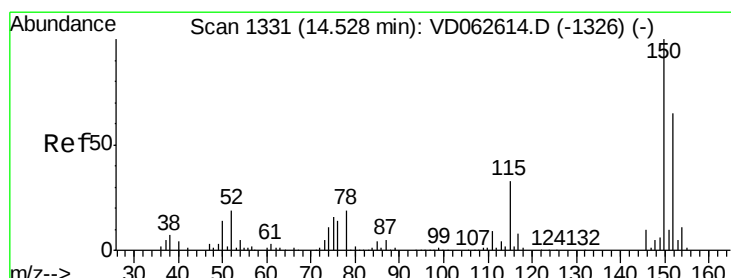
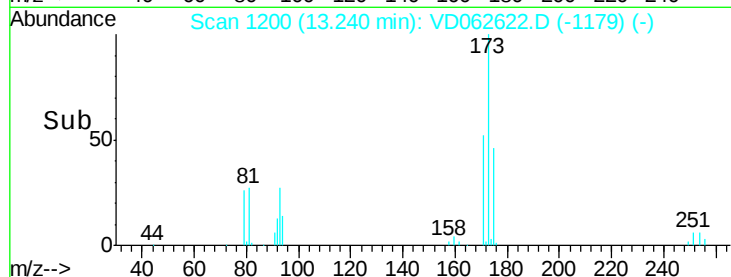
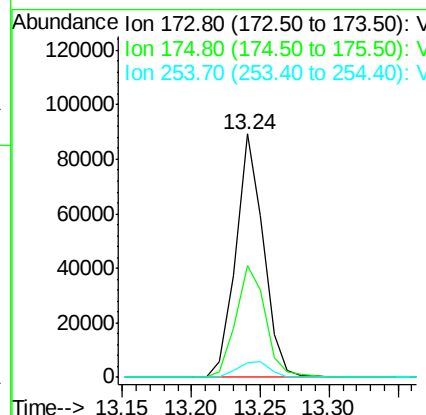
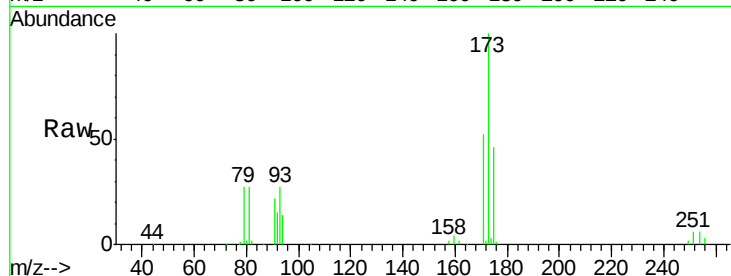




#71
Bromoform
Concen: 20.529 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

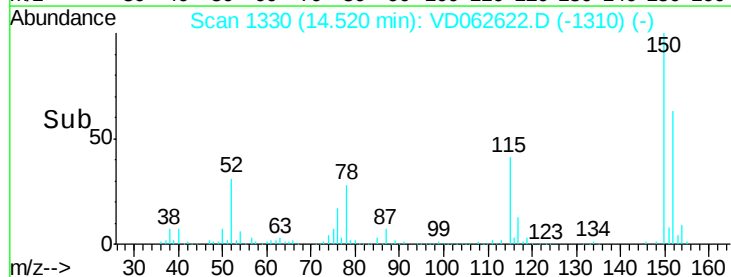
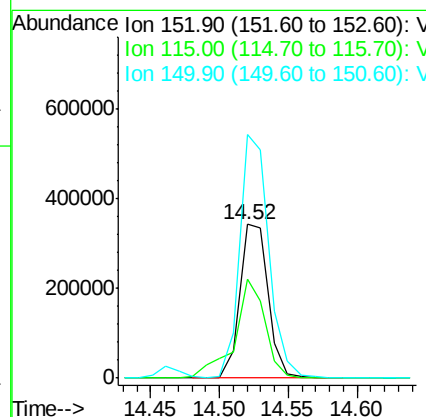
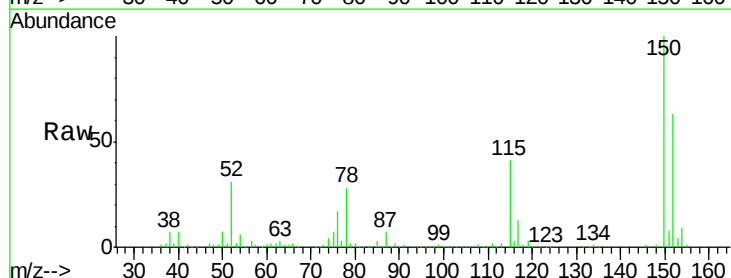
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBSD01

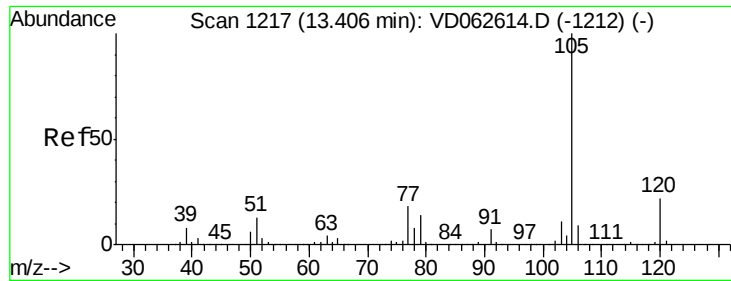
Tot Ion:173 Resp: 124666
Ion Ratio Lower Upper
173 100
175 45.7 23.2 69.5
254 6.1 5.9 8.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion:152 Resp: 492007
Ion Ratio Lower Upper
152 100
115 64.5 27.1 81.3
150 158.2 0.0 315.0





#73

Isopropylbenzene

Concen: 19.653 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

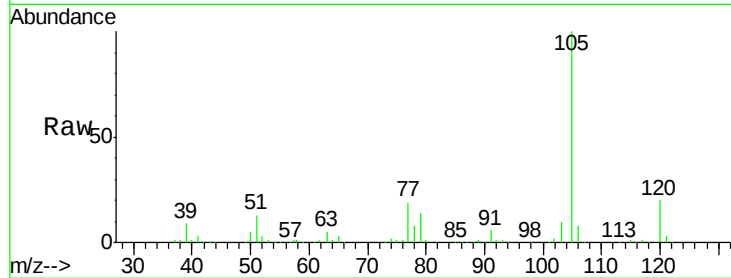
VD0605SBSD01

Tot Ion:105 Resp: 672349

Ion Ratio Lower Upper

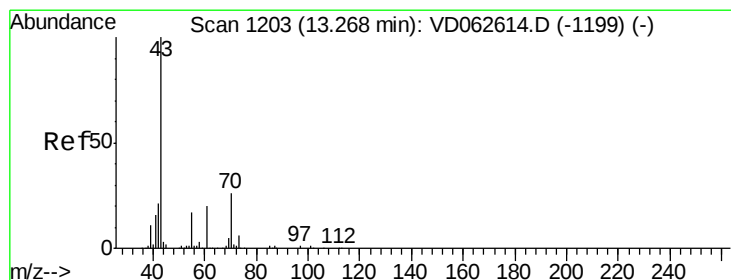
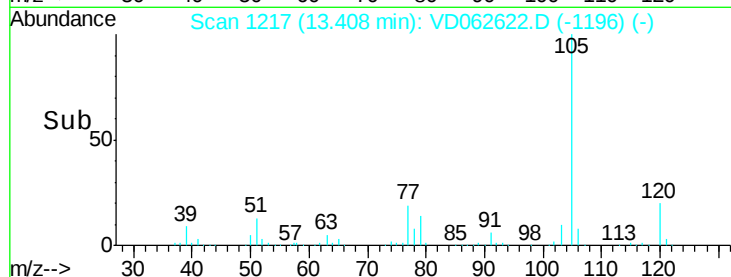
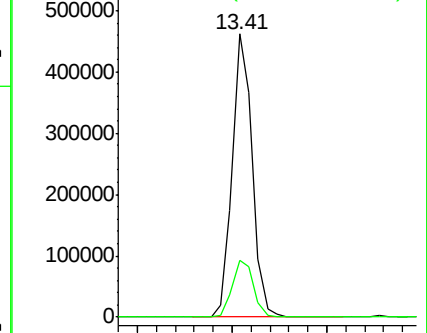
105 100

120 19.9 11.2 33.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.896 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Tgt Ion: 43 Resp: 184586

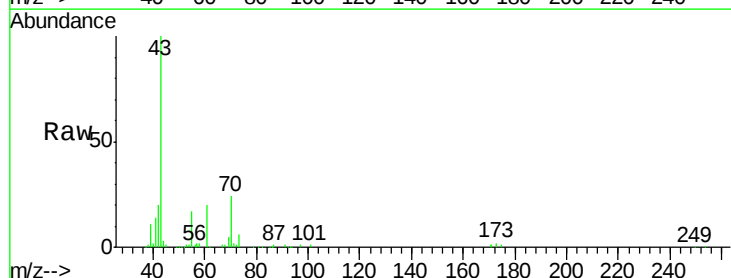
Ion Ratio Lower Upper

43 100

70 23.6 20.5 30.7

55 17.4 13.8 20.8

61 19.8 15.9 23.9

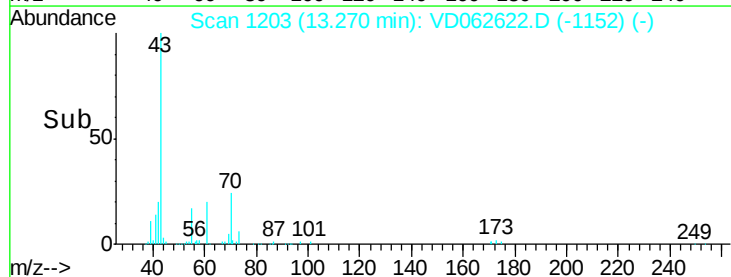
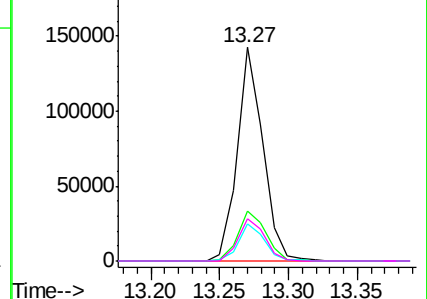


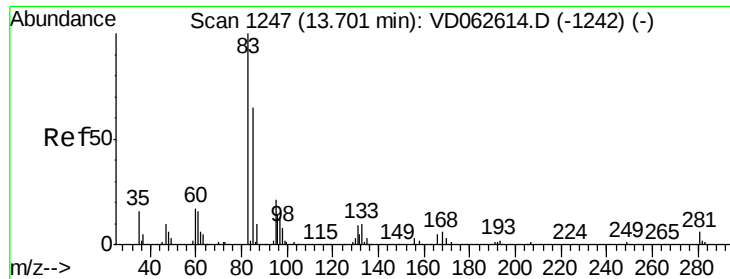
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.114 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

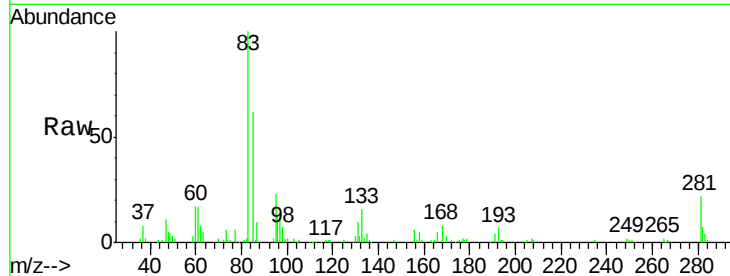
Tot Ion: 83 Resp: 121086

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.0
85	62.4	32.3	96.9

83 100

131 10.2 4.7 14.0

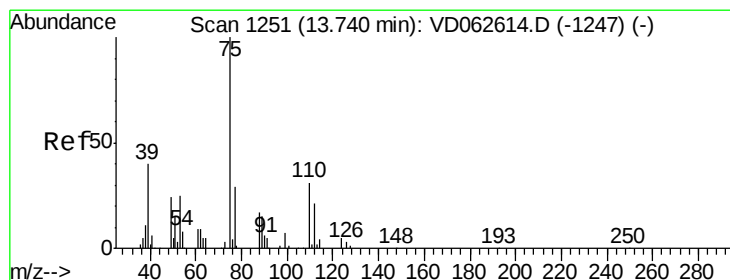
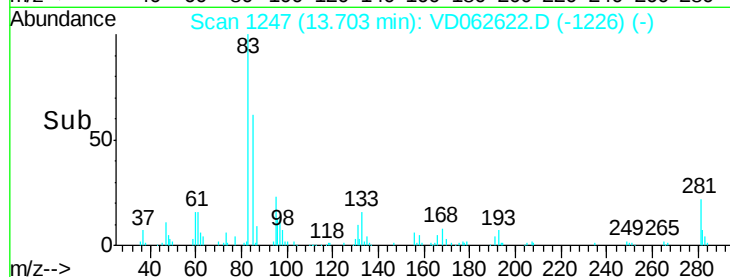
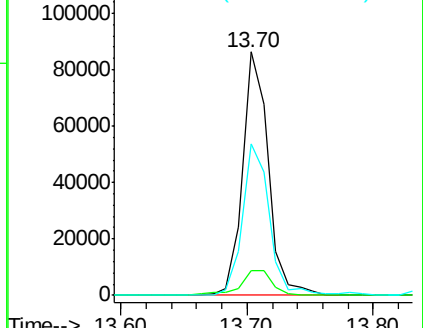
85 62.4 32.3 96.9



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: 20.975 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062622.D

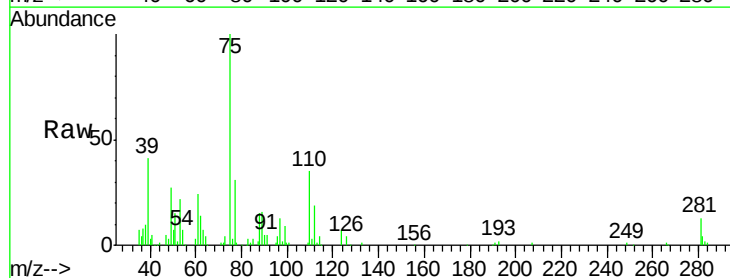
Acq: 6 Jun 2019 12:43

Tgt Ion: 75 Resp: 134617

Ion	Ratio	Lower	Upper
75	100		
77	30.7	16.7	50.1

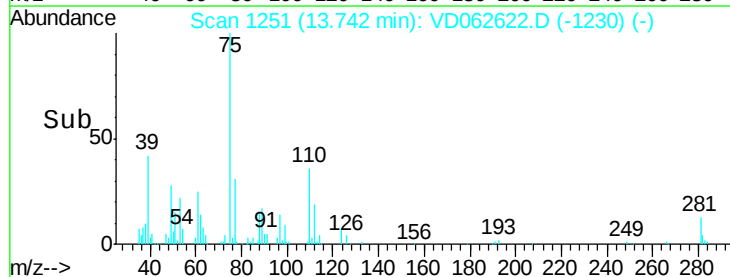
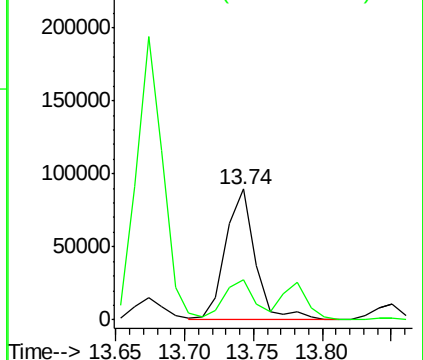
75 100

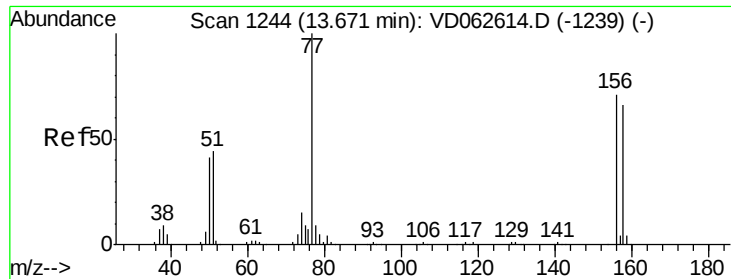
77 30.7 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.457 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

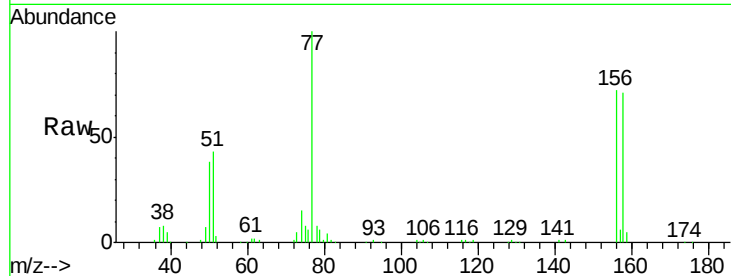
Tot Ion:156 Resp: 194666

Ion Ratio Lower Upper

156 100

77 138.0 70.5 211.5

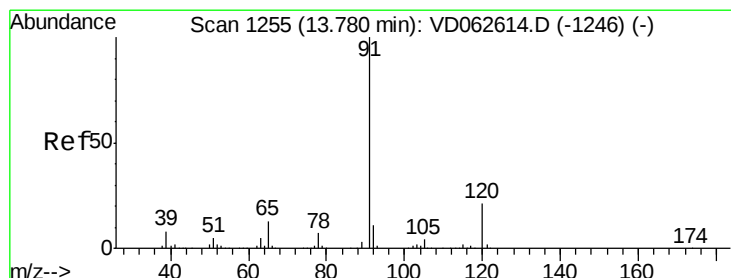
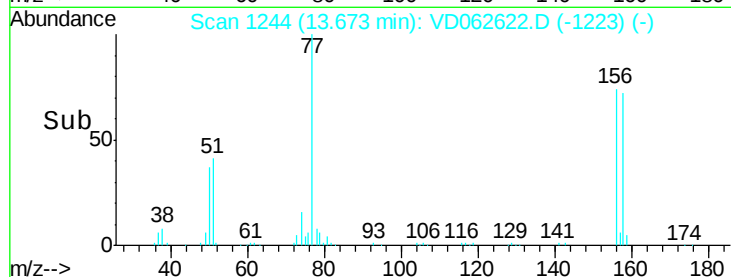
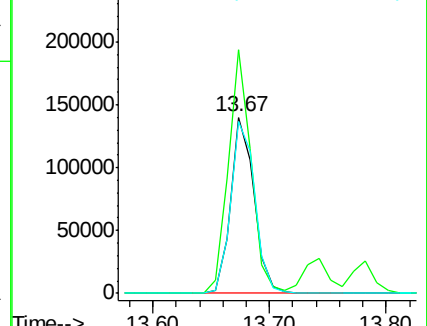
158 97.8 46.9 140.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.097 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062622.D

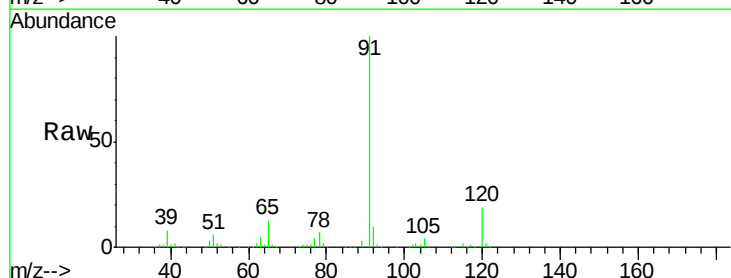
Acq: 6 Jun 2019 12:43

Tgt Ion: 91 Resp: 797353

Ion Ratio Lower Upper

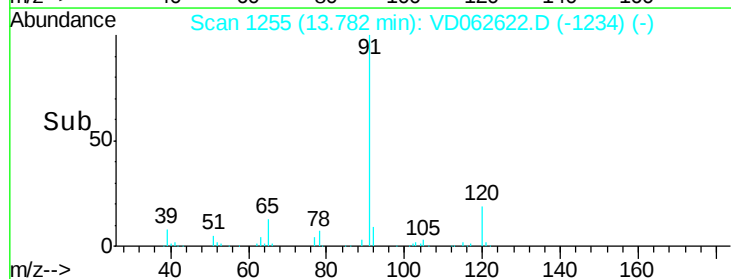
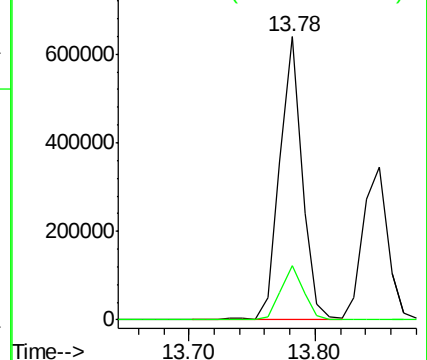
91 100

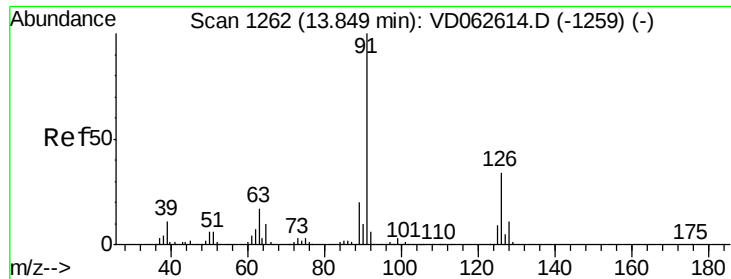
120 19.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.475 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

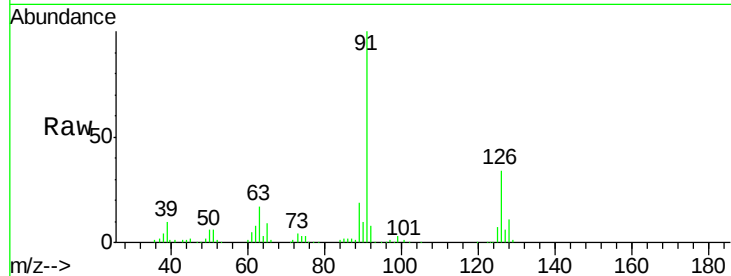
VD0605SBSD01

Tot Ion: 91 Resp: 468442

Ion Ratio Lower Upper

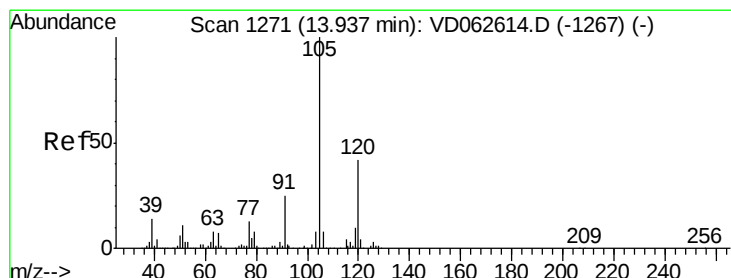
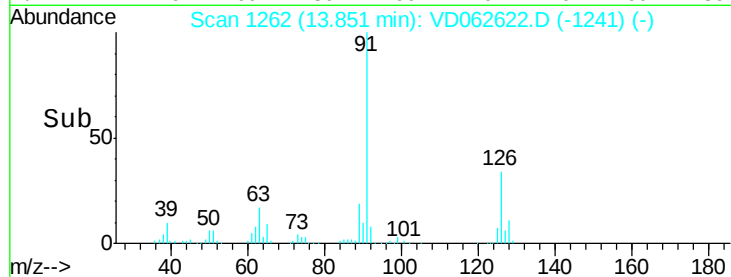
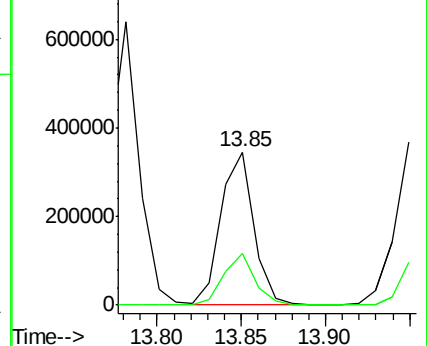
91 100

126 34.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VD062614.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD062614.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.041 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062622.D

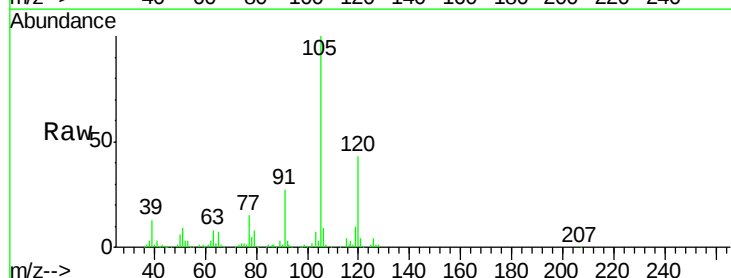
Acq: 6 Jun 2019 12:43

Tgt Ion:105 Resp: 619485

Ion Ratio Lower Upper

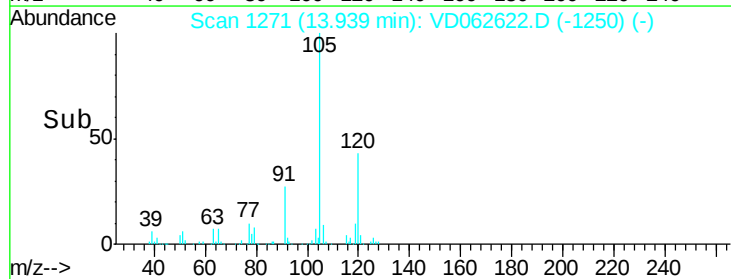
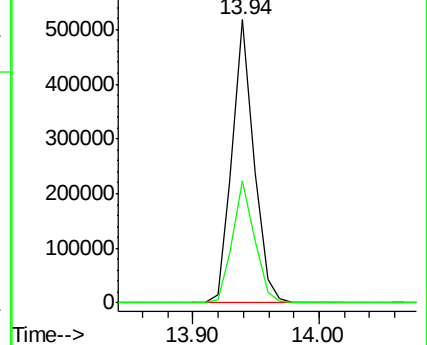
105 100

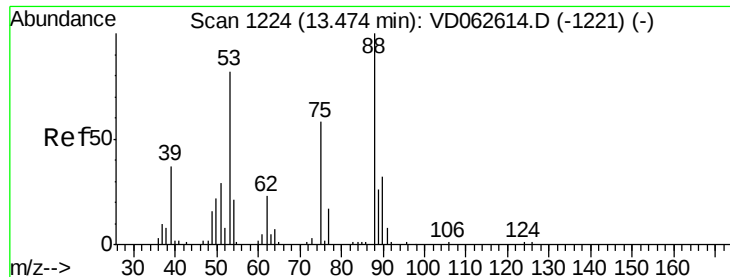
120 43.0 21.1 63.4



Abundance Ion 105.05 (104.75 to 105.75): VD062614.D (-1267) (-)

Ion 120.05 (119.75 to 120.75): VD062614.D (-1267) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.798 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

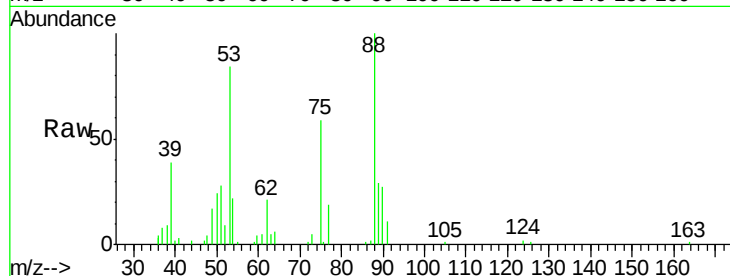
Tot Ion: 75 Resp: 35961

Ion Ratio Lower Upper

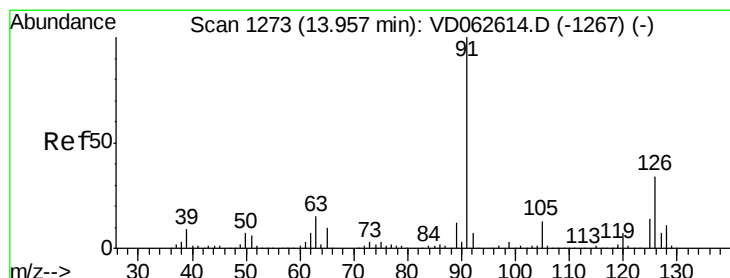
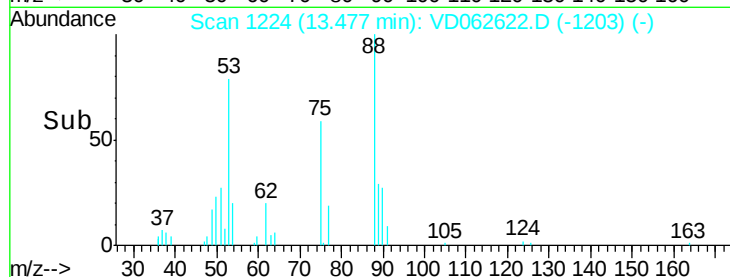
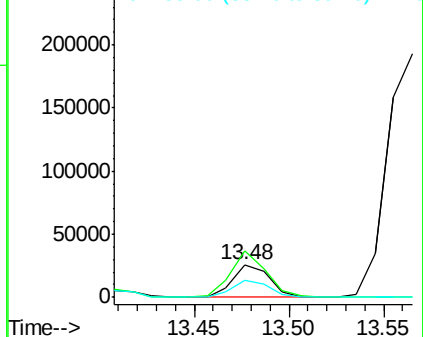
75 100

53 142.9 113.2 169.8

89 50.2 36.9 55.3



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: 20.811 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062622.D

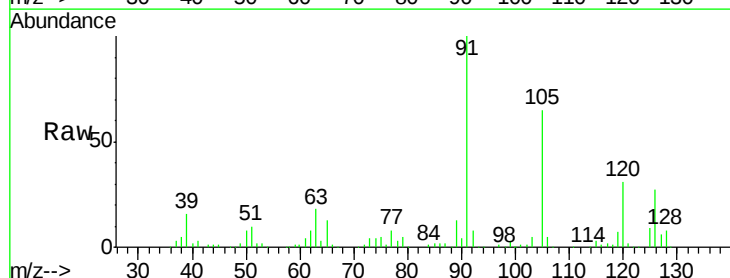
Acq: 6 Jun 2019 12:43

Tgt Ion: 91 Resp: 589072

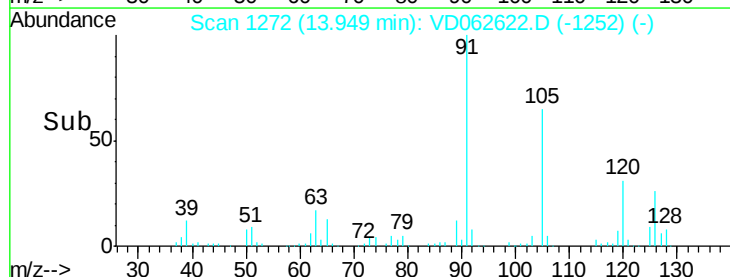
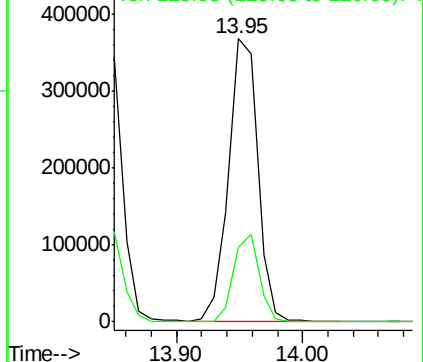
Ion Ratio Lower Upper

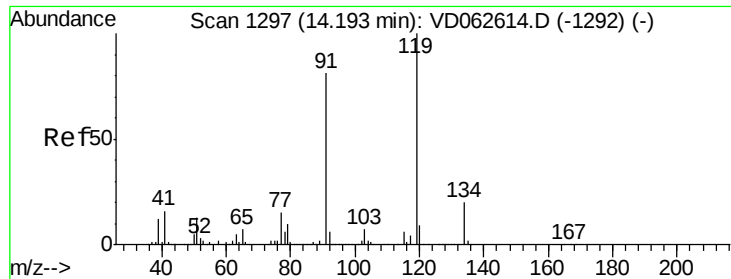
91 100

126 26.5 16.8 50.4



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

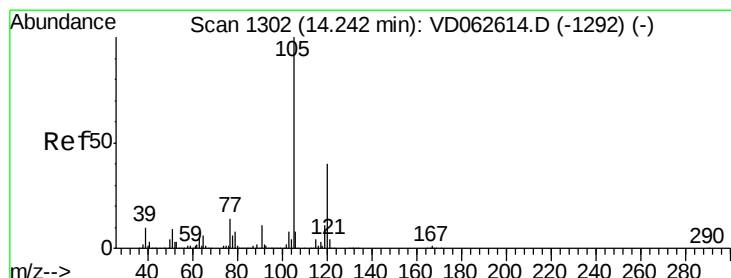
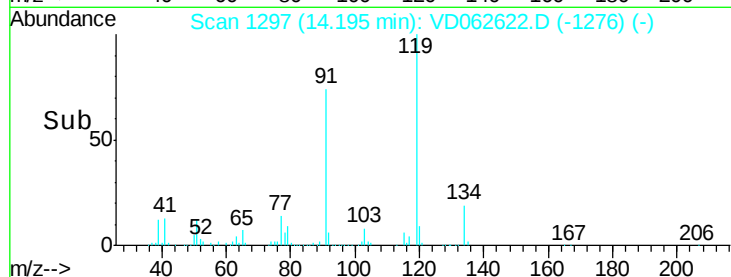
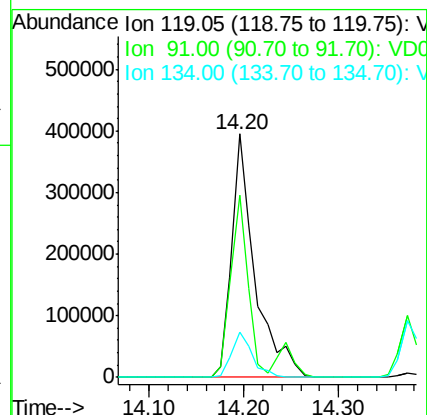
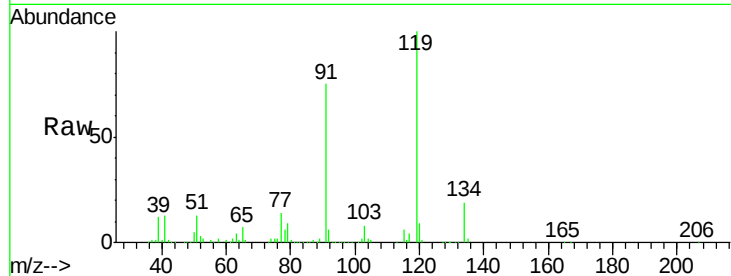




#83
 tert-Butylbenzene
 Concen: 20.768 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

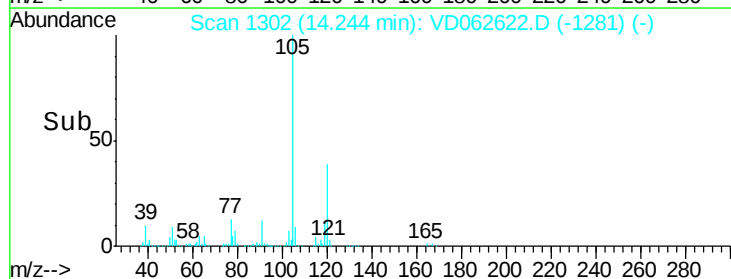
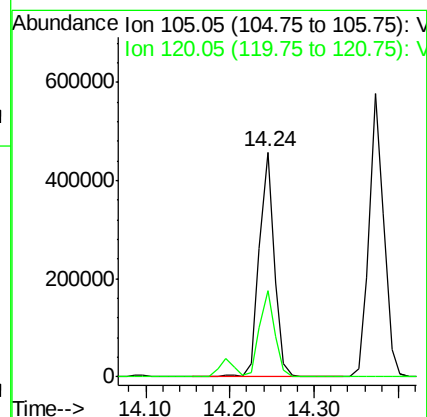
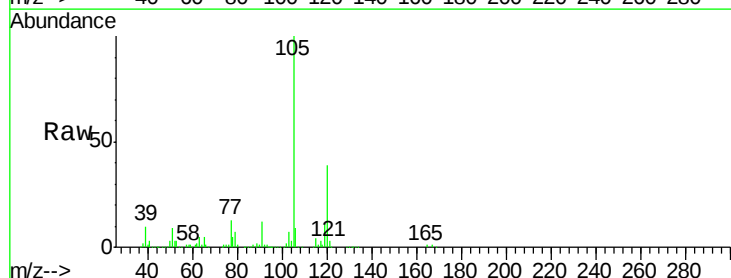
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

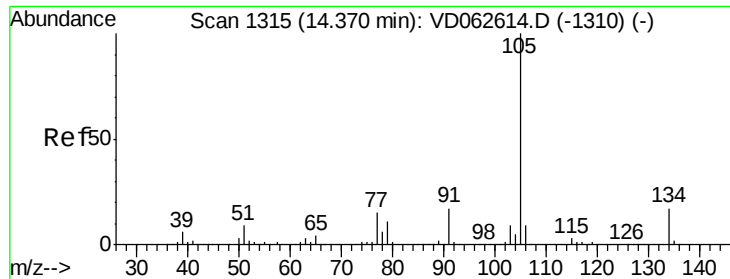
Tot Ion:119 Resp: 673287
 Ion Ratio Lower Upper
 119 100
 91 75.0 40.8 122.2
 134 18.7 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.263 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion:105 Resp: 580519
 Ion Ratio Lower Upper
 105 100
 120 38.6 19.9 59.7





#85

sec-Butylbenzene

Concen: 21.059 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

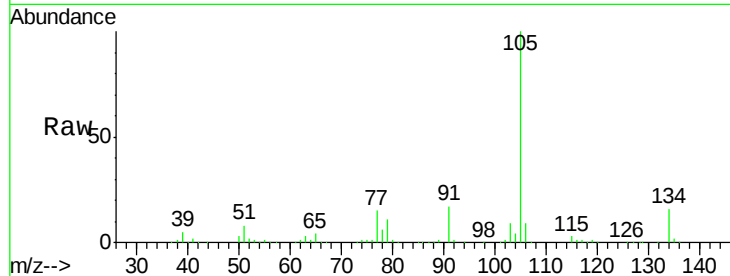
VD0605SBS01

Tot Ion:105 Resp: 703463

Ion Ratio Lower Upper

105 100

134 16.1 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

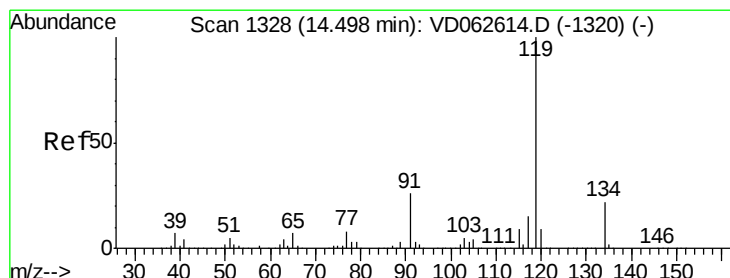
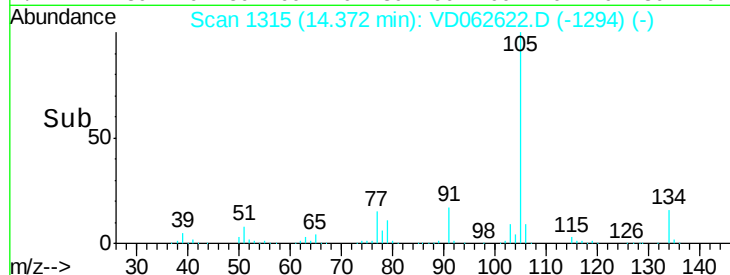
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.544 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

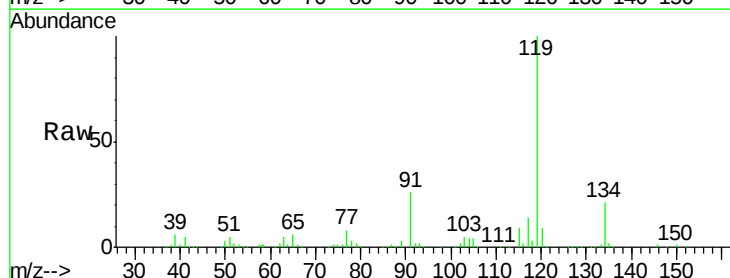
Tgt Ion:119 Resp: 627659

Ion Ratio Lower Upper

119 100

134 21.1 11.2 33.5

91 25.7 13.3 39.8



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

14.50

600000

500000

400000

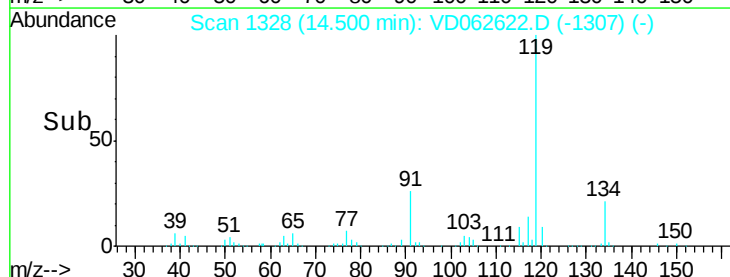
300000

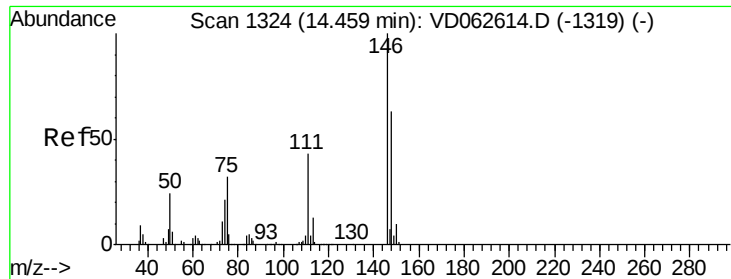
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.492 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

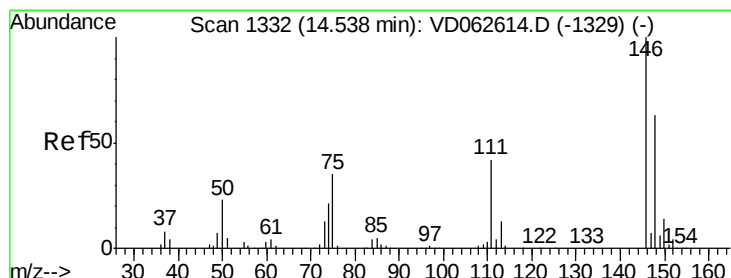
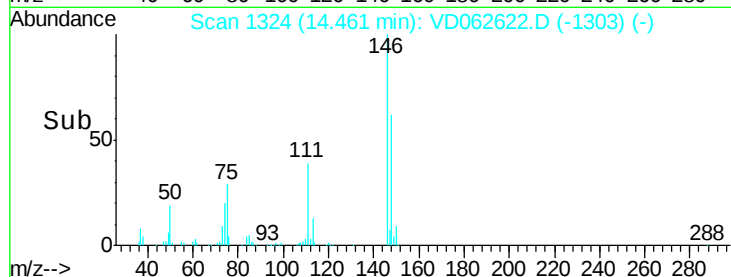
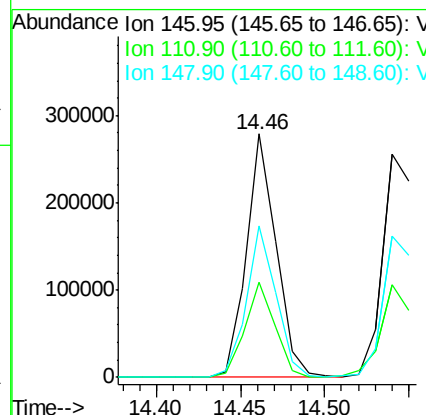
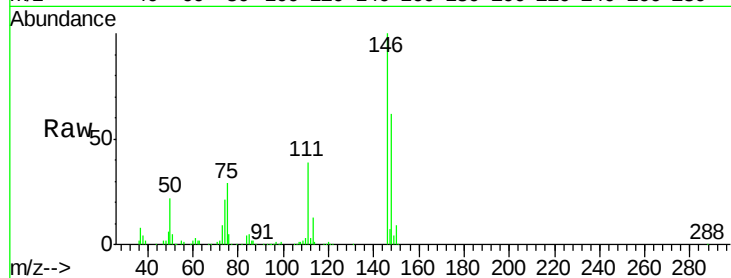
Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion:146 Resp: 343243

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.6	64.6
148	62.4	31.3	93.8



#88

1,4-Dichlorobenzene

Concen: 21.534 ug/l

RT: 14.54 min Scan# 1332

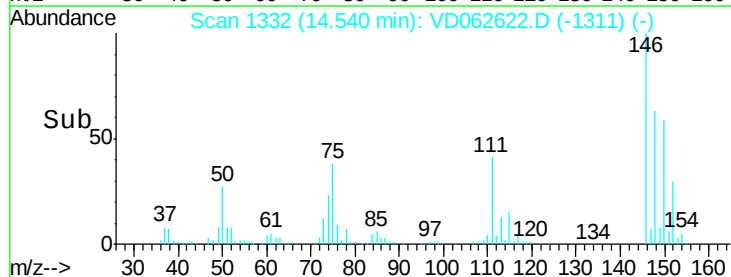
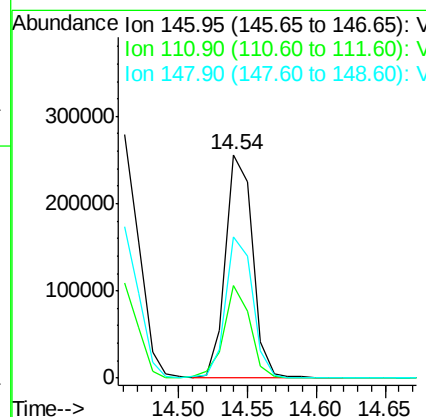
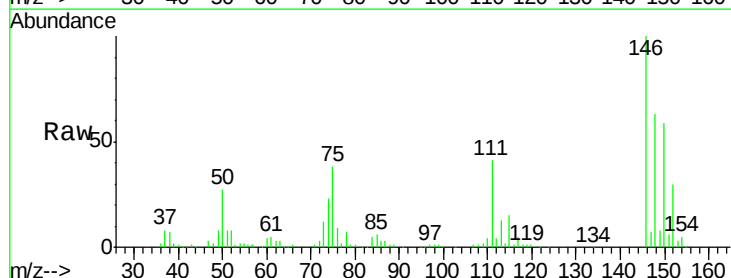
Delta R.T. 0.00 min

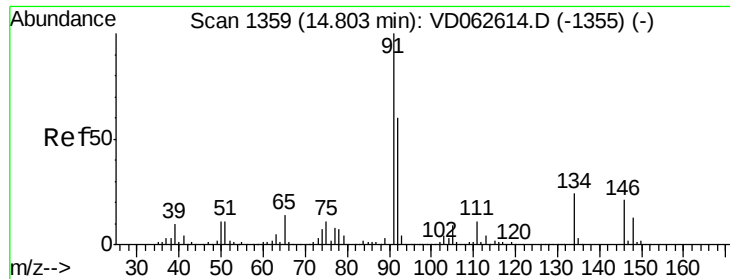
Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Tgt Ion:146 Resp: 348309

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.9	62.8
148	63.4	31.5	94.5

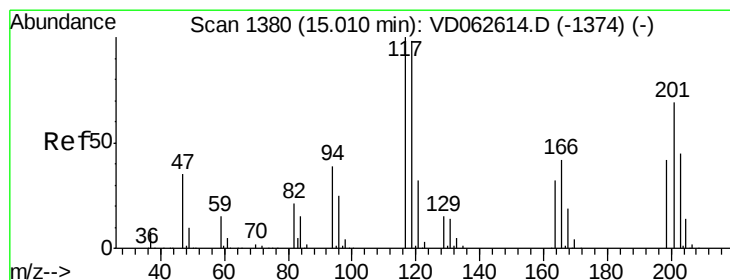
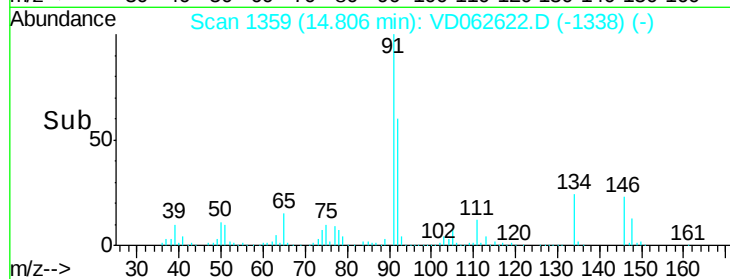
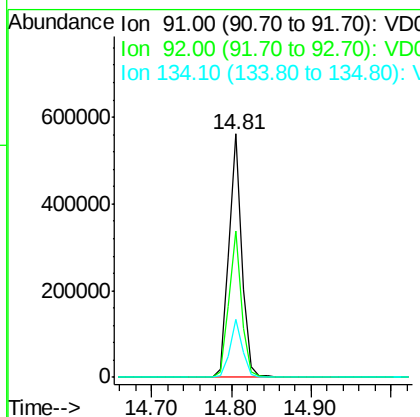
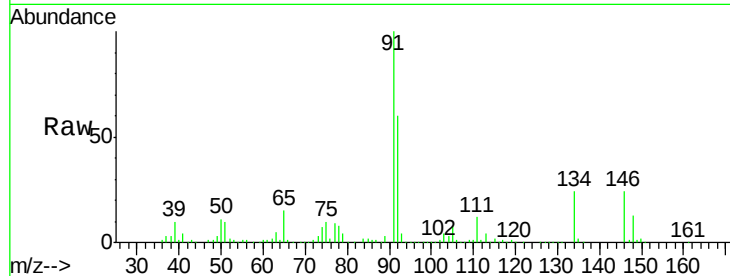




#89
n-Butylbenzene
Concen: 21.724 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

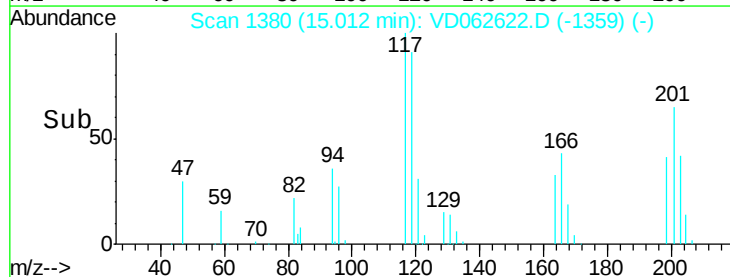
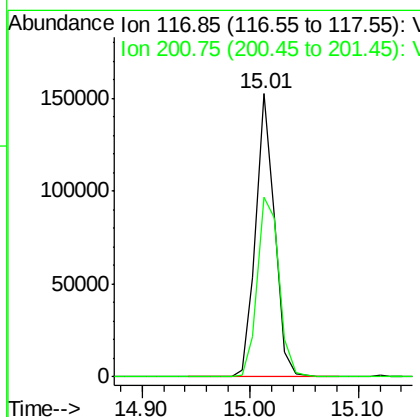
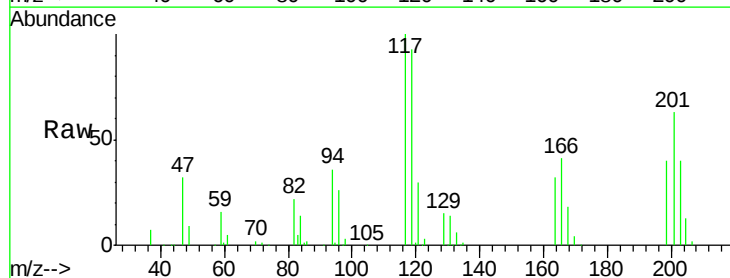
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

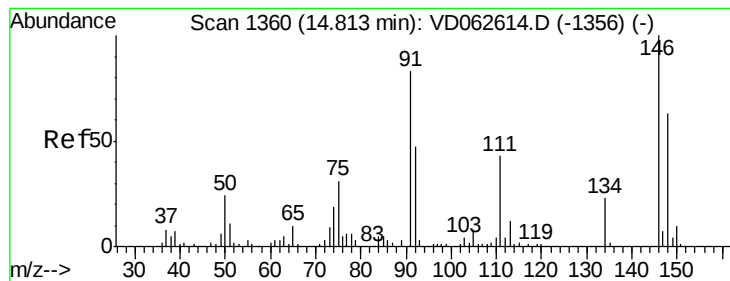
Tot Ion: 91 Resp: 648726
Ion Ratio Lower Upper
91 100
92 60.3 29.9 89.7
134 24.0 12.1 36.3



#90
Hexachloroethane
Concen: 21.828 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062622.D
Acq: 6 Jun 2019 12:43

Tgt Ion: 117 Resp: 184508
Ion Ratio Lower Upper
117 100
201 63.3 34.4 103.3





#91

1,2-Dichlorobenzene

Concen: 22.065 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBSD01

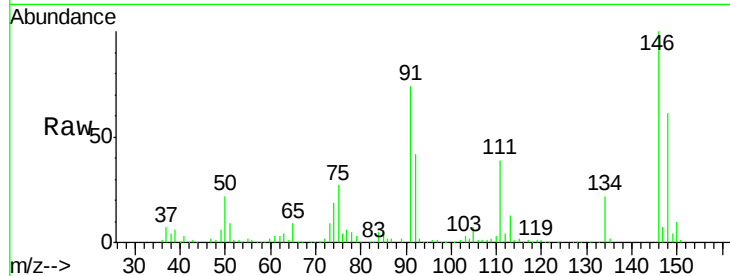
Tot Ion:146 Resp: 325392

Ion Ratio Lower Upper

146 100

111 38.9 21.3 64.0

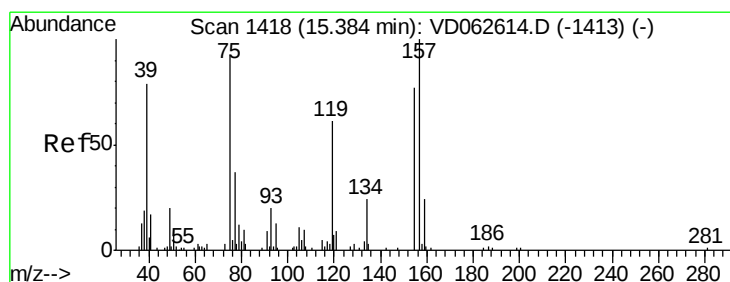
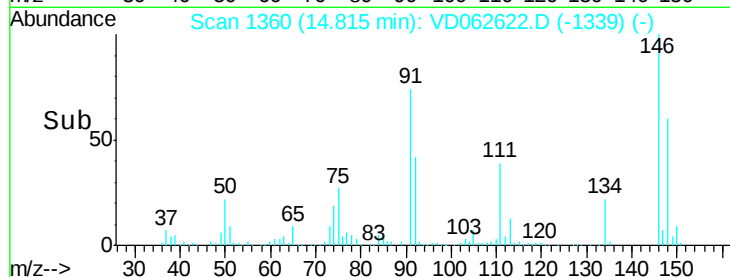
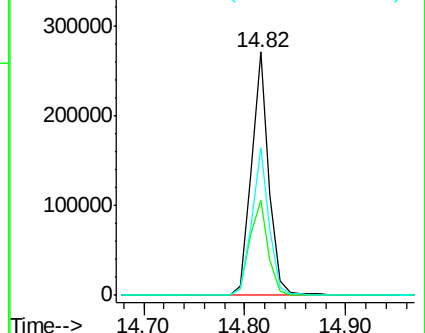
148 60.5 31.4 94.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.140 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

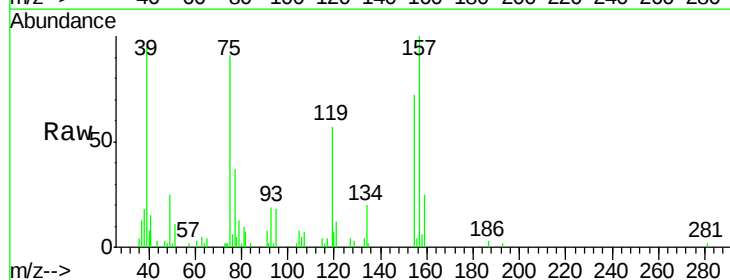
Tgt Ion: 75 Resp: 24800

Ion Ratio Lower Upper

75 100

155 78.7 41.6 124.8

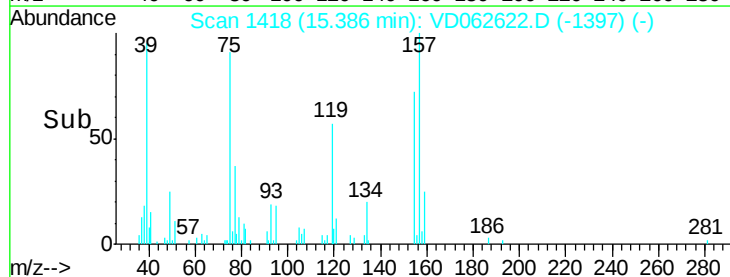
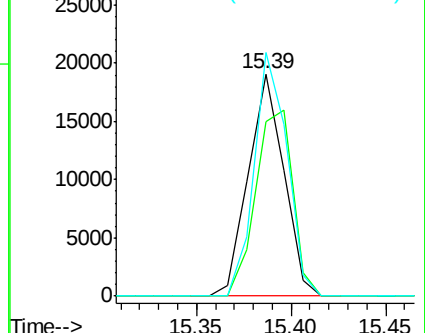
157 109.6 53.8 161.2

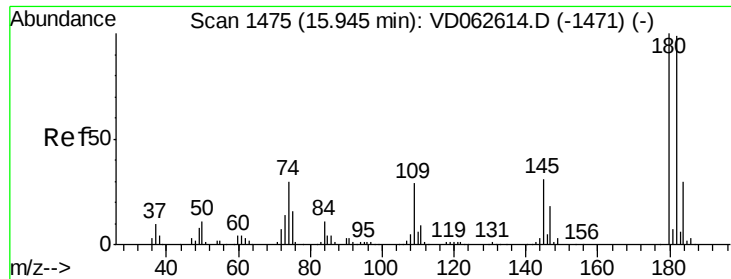


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

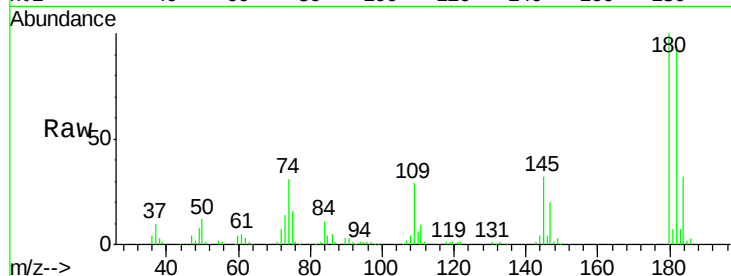




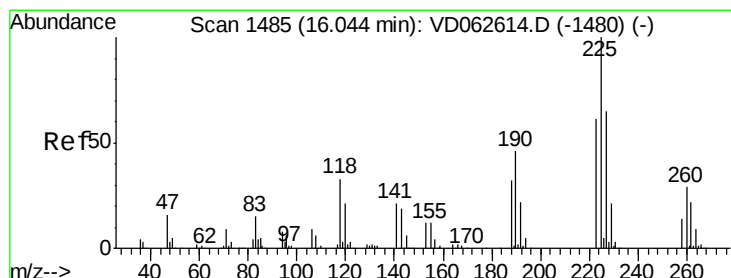
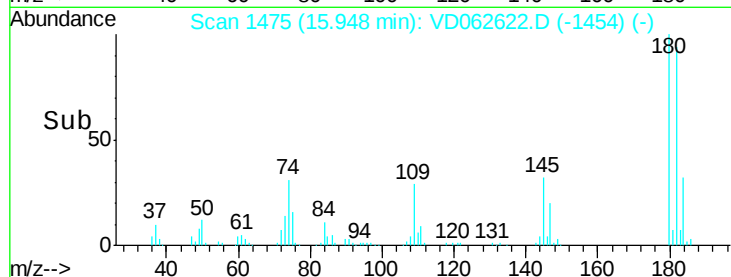
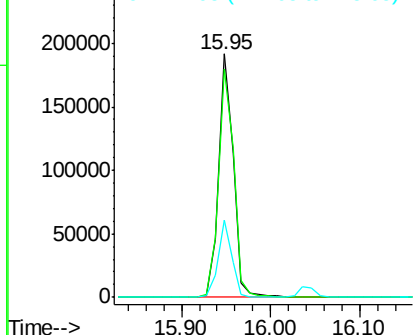
#93
 1,2,4-Trichlorobenzene
 Concen: 20.881 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Tot Ion:180 Resp: 221250
 Ion Ratio Lower Upper
 180 100
 182 93.9 49.3 147.8
 145 31.6 15.7 47.1

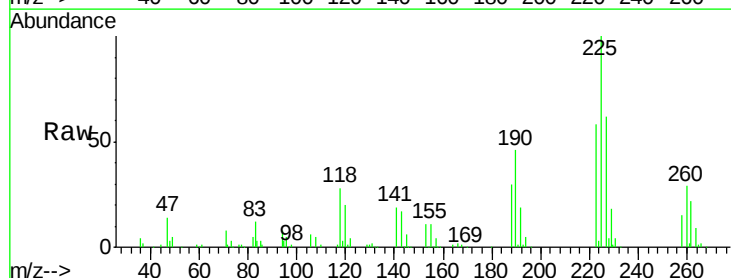


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

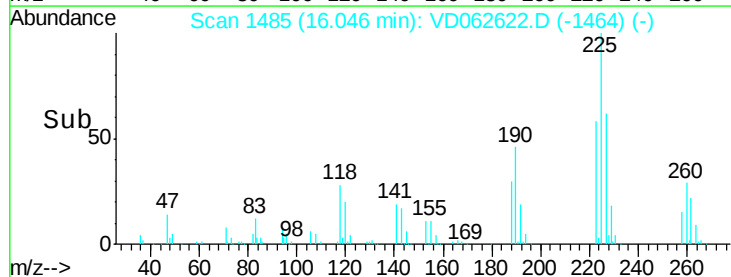
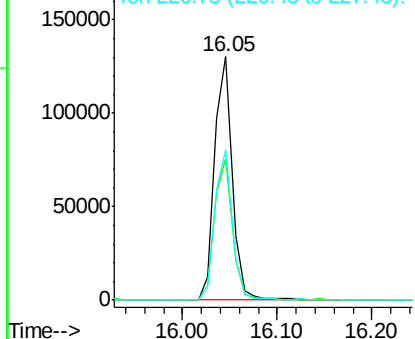


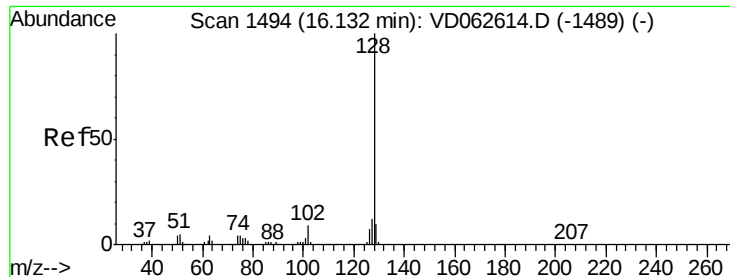
#94
 Hexachlorobutadiene
 Concen: 21.261 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062622.D
 Acq: 6 Jun 2019 12:43

Tgt Ion:225 Resp: 168977
 Ion Ratio Lower Upper
 225 100
 223 58.1 30.3 91.0
 227 61.9 32.4 97.0



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





#95

Naphthalene

Concen: 20.787 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

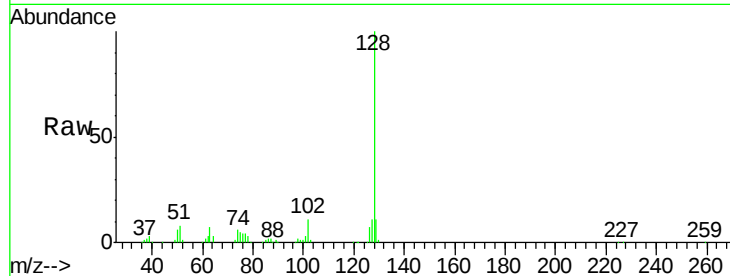
Tot Ion:128 Resp: 315401

Ion Ratio Lower Upper

128 100

127 10.7 9.4 14.2

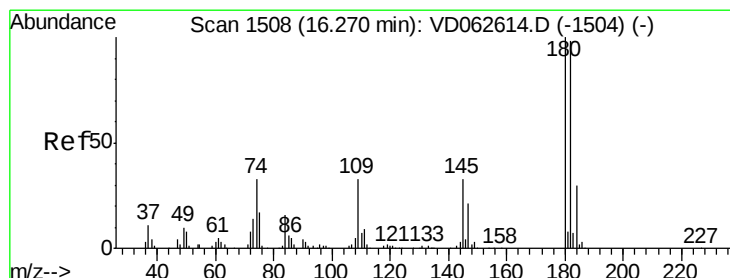
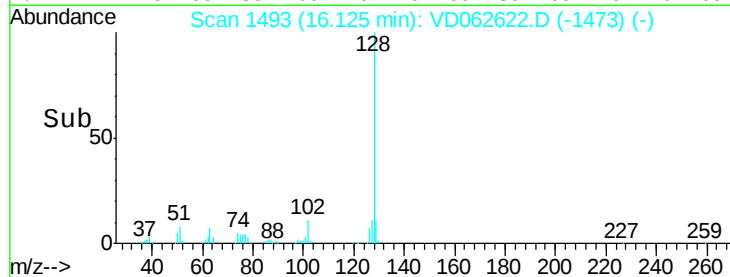
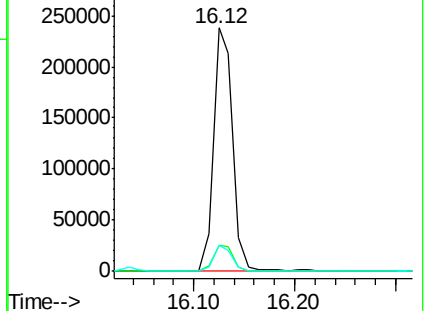
129 10.8 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.885 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062622.D

Acq: 6 Jun 2019 12:43

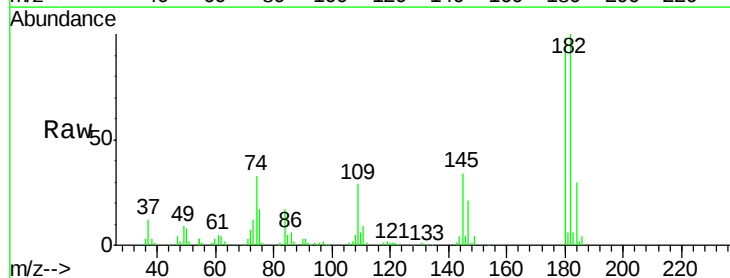
Tgt Ion:180 Resp: 169221

Ion Ratio Lower Upper

180 100

182 101.8 49.1 147.3

145 34.3 16.6 49.7



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

