

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062583.D
 Acq On : 3 Jun 2019 14:08
 Operator : VA/AP
 Sample : VD0603SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBS01

Quant Time: Jun 04 05:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	813076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1082275	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	959153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	529746	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	530128	55.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.22%	
35) Dibromofluoromethane	6.93	113	545802	55.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.68%	
50) Toluene-d8	10.41	98	1107198	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	13.55	95	524145	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	227575	24.133	ug/l	96
3) Chloromethane	1.75	50	164842	15.510	ug/l	92
4) Vinyl Chloride	1.85	62	155083	21.529	ug/l	95
5) Bromomethane	2.15	94	76489	32.698	ug/l	97
6) Chloroethane	2.26	64	80001	23.683	ug/l	93
7) Trichlorofluoromethane	2.53	101	344562	22.634	ug/l	93
8) Diethyl Ether	2.88	74	44132	22.599	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	190180	21.156	ug/l	91
10) Methyl Iodide	3.31	142	254782	24.978	ug/l	99
11) Tert butyl alcohol	4.08	59	42838	105.349	ug/l	100
12) 1,1-Dichloroethene	3.13	96	143944	22.635	ug/l	91
13) Acrolein	3.04	56	17963	101.385	ug/l	90
14) Allyl chloride	3.62	41	209507	21.090	ug/l #	81
15) Acrylonitrile	4.20	53	105467	108.498	ug/l	93
16) Acetone	3.23	43	191551	102.261	ug/l #	91
17) Carbon Disulfide	3.37	76	397916	19.249	ug/l	98
18) Methyl Acetate	3.65	43	66317	21.691	ug/l #	87
19) Methyl tert-butyl Ether	4.24	73	347966	22.587	ug/l	99
20) Methylene Chloride	3.82	84	158162	22.810	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	155976	21.613	ug/l #	86
22) Diisopropyl ether	5.13	45	451562	22.251	ug/l	95
23) Vinyl Acetate	5.06	43	1371795	111.465	ug/l #	94
24) 1,1-Dichloroethane	4.98	63	285306	21.785	ug/l	97
25) 2-Butanone	6.08	43	187131	106.076	ug/l	97
26) 2,2-Dichloropropane	6.02	77	328073	22.581	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	160677	21.660	ug/l	98
28) Bromochloromethane	6.45	49	95855	21.182	ug/l	89
29) Tetrahydrofuran	6.47	42	85922	108.729	ug/l	98
30) Chloroform	6.66	83	351975	22.304	ug/l	98
31) Cyclohexane	6.95	56	181147	20.459	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	366082	22.290	ug/l	97
36) 1,1-Dichloropropene	7.15	75	241769	22.441	ug/l	90
37) Ethyl Acetate	6.19	43	96300	21.202	ug/l #	91
38) Carbon Tetrachloride	7.12	117	370985	23.129	ug/l	93

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 VD0603SBS01

Quant Time: Jun 04 05:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	202286	22.177	ug/l	97
40) Benzene	7.46	78	454336	21.486	ug/l	96
41) Methacrylonitrile	6.46	41	120435	22.532	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	278891	23.678	ug/l	98
43) Isopropyl Acetate	9.24	43	124510	22.025	ug/l #	99
44) Trichloroethene	8.54	130	181370	21.470	ug/l	98
45) 1,2-Dichloropropane	8.94	63	105012	20.256	ug/l #	89
46) Dibromomethane	9.06	93	96735	22.215	ug/l	99
47) Bromodichloromethane	9.38	83	268994	22.420	ug/l	98
48) Methyl methacrylate	9.12	41	83260	22.113	ug/l	96
49) 1,4-Dioxane	9.09	88	14151	462.715	ug/l #	85
51) 4-Methyl-2-Pentanone	10.31	43	428575	108.665	ug/l	95
52) Toluene	10.51	92	295977	20.523	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	231541	22.841	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	235277	22.325	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	100521	21.228	ug/l	90
56) Ethyl methacrylate	11.04	69	115158	22.816	ug/l	96
57) 1,3-Dichloropropane	11.41	76	162765	22.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	335507	129.613	ug/l	94
59) 2-Hexanone	11.54	43	321216	116.113	ug/l	93
60) Dibromochloromethane	11.68	129	212989	23.145	ug/l	97
61) 1,2-Dibromoethane	11.81	107	129209	22.682	ug/l	98
64) Tetrachloroethene	11.26	164	158277	18.667	ug/l	94
65) Chlorobenzene	12.40	112	391140	20.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	183848	20.805	ug/l	99
67) Ethyl Benzene	12.52	91	690490	20.169	ug/l	95
68) m/p-Xylenes	12.67	106	488057	41.211	ug/l	92
69) o-Xylene	13.05	106	214897	19.022	ug/l	91
70) Styrene	13.07	104	385443	20.094	ug/l	99
71) Bromoform	13.24	173	123299	19.876	ug/l	92
73) Isopropylbenzene	13.41	105	693983	19.871	ug/l	99
74) N-amyl acetate	13.27	43	186778	20.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	119630	21.599	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	140762	22.148	ug/l	92
77) Bromobenzene	13.67	156	203750	21.278	ug/l	96
78) n-propylbenzene	13.77	91	880700	21.878	ug/l	99
79) 2-Chlorotoluene	13.84	91	502806	21.541	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	653101	21.885	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	32505	17.849	ug/l #	69
82) 4-Chlorotoluene	13.95	91	609321	21.805	ug/l	95
83) tert-Butylbenzene	14.19	119	718377	21.573	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	609209	20.034	ug/l	98
85) sec-Butylbenzene	14.37	105	708280	20.079	ug/l	97
86) p-Isopropyltoluene	14.49	119	684024	20.755	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	360116	21.696	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	362805	21.811	ug/l	99
89) n-Butylbenzene	14.79	91	644285	21.900	ug/l	93
90) Hexachloroethane	15.01	117	186016	21.275	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	322233	23.077	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25271	22.004	ug/l	69

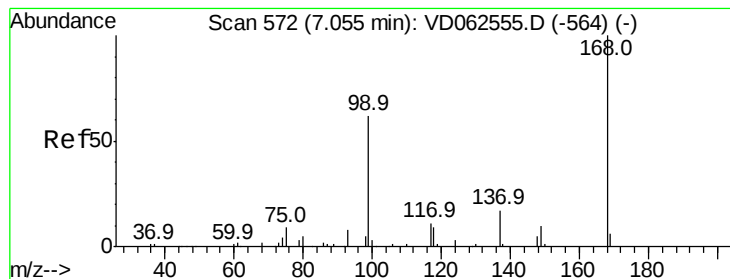
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060319\
Data File : VD062583.D
Acq On : 3 Jun 2019 14:08
Operator : VA/AP
Sample : VD0603SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	227918	20.414	ug/l	95
94) Hexachlorobutadiene	16.03	225	182385	22.128	ug/l	98
95) Naphthalene	16.12	128	316050	20.786	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	181788	21.797	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

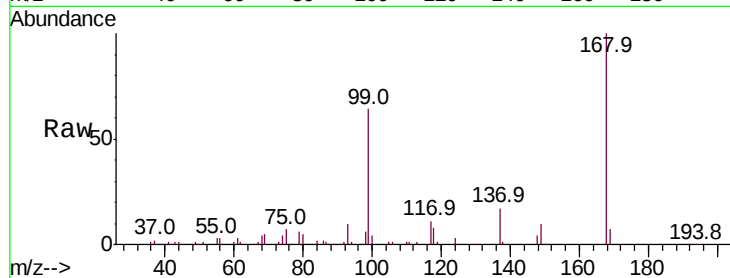
VD0603SBSD01

Tot Ion:168 Resp: 813076

Ion Ratio Lower Upper

168 100

99 63.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

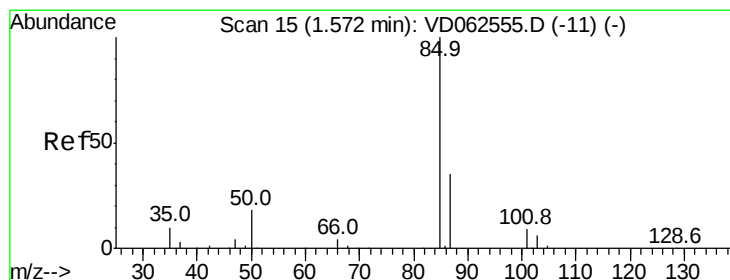
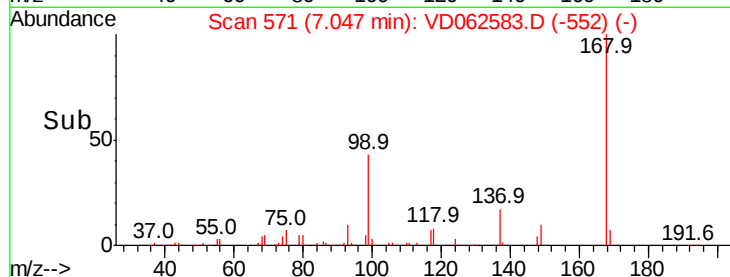
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 24.133 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062583.D

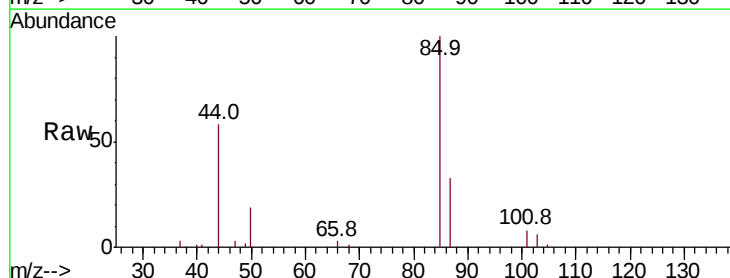
Acq: 3 Jun 2019 14:08

Tgt Ion: 85 Resp: 227575

Ion Ratio Lower Upper

85 100

87 32.7 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

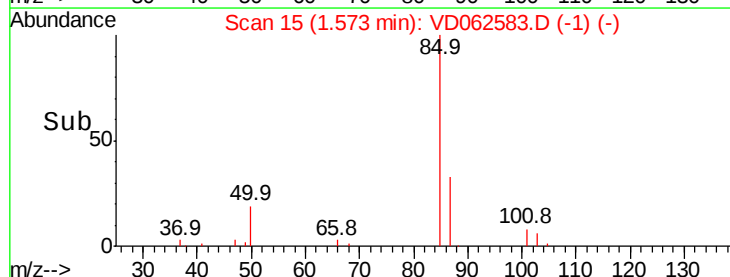
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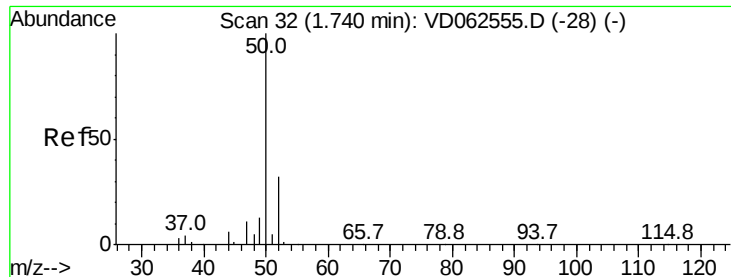
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 15.510 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

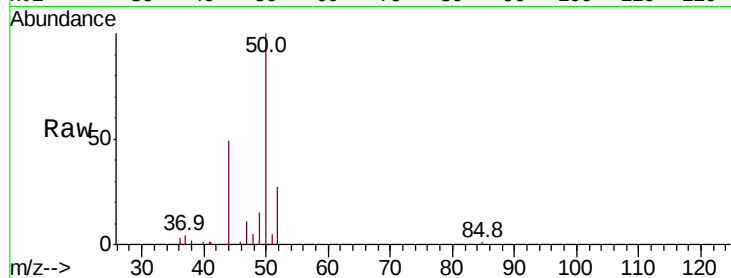
VD0603SBSD01

Tot Ion: 50 Resp: 164842

Ion Ratio Lower Upper

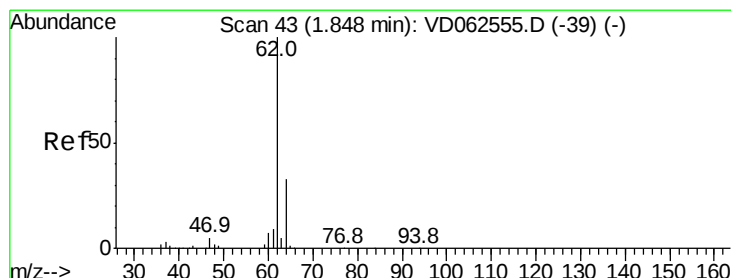
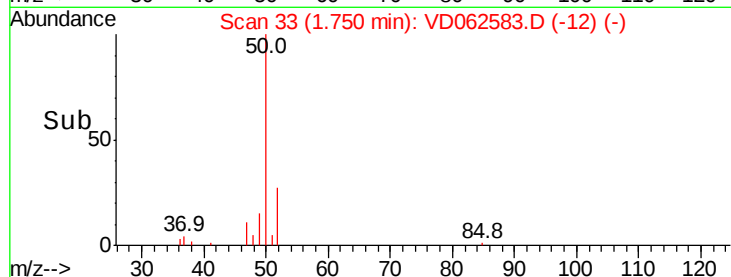
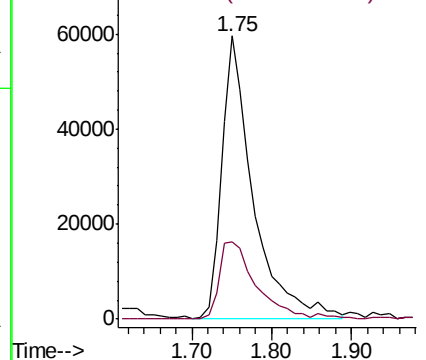
50 100

52 27.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.529 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062583.D

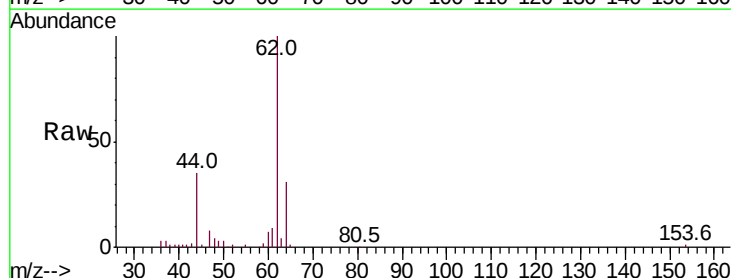
Acq: 3 Jun 2019 14:08

Tgt Ion: 62 Resp: 155083

Ion Ratio Lower Upper

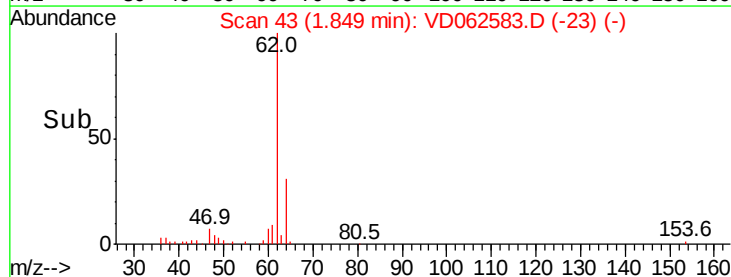
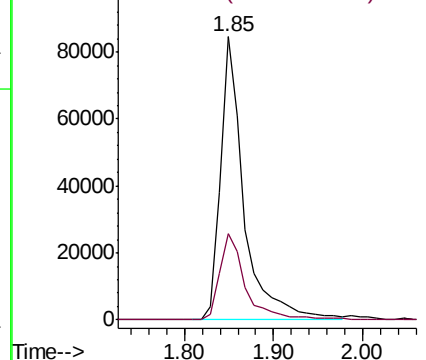
62 100

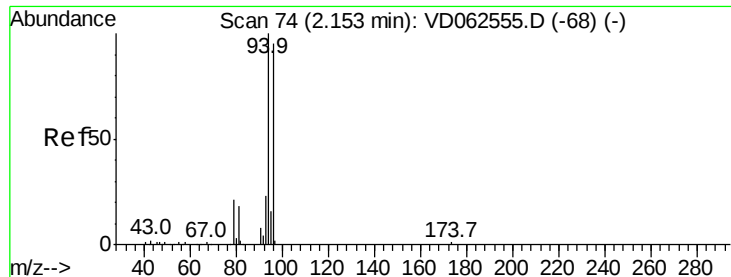
64 30.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 32.698 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

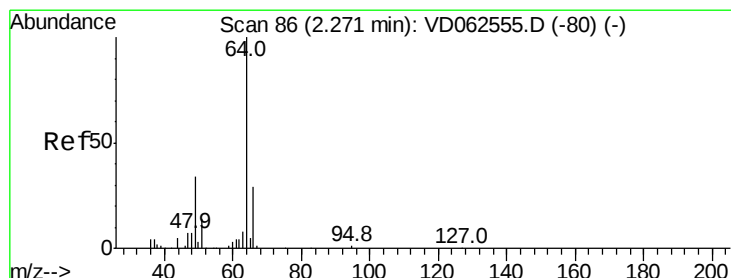
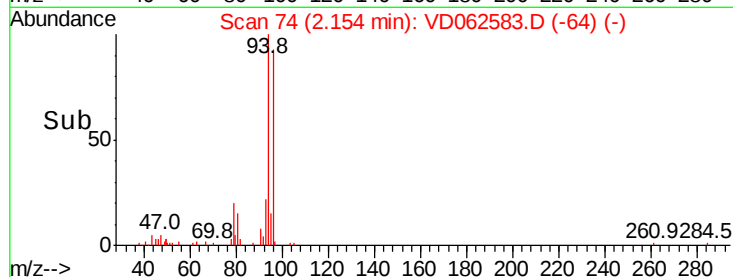
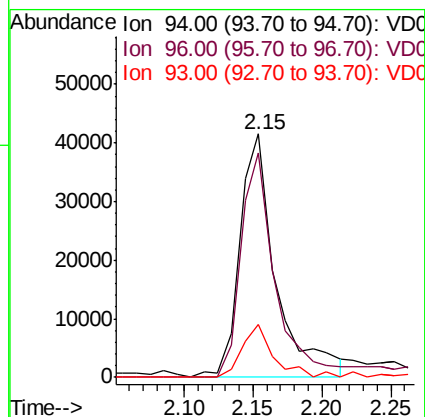
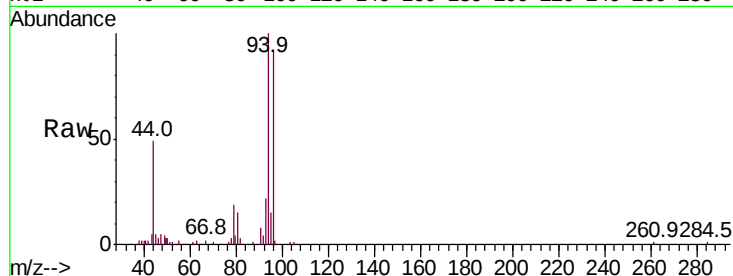
Tot Ion: 94 Resp: 76489

Ion Ratio Lower Upper

94 100

96 92.0 76.2 114.4

93 21.8 18.4 27.6



#6

Chloroethane

Concen: 23.683 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062583.D

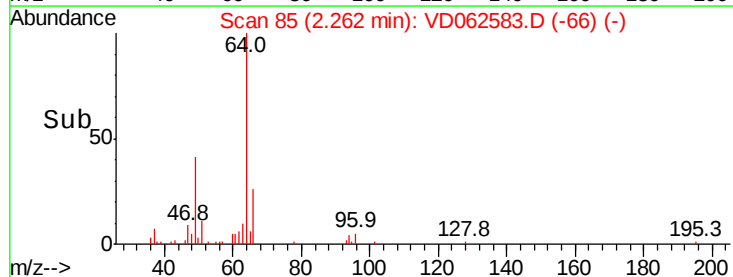
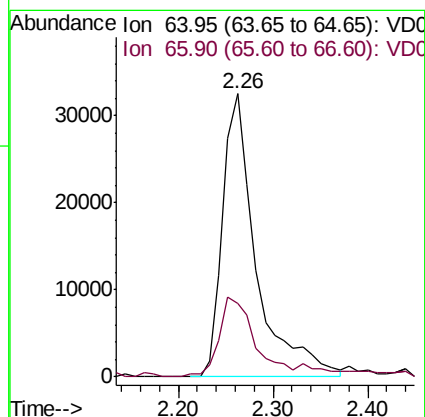
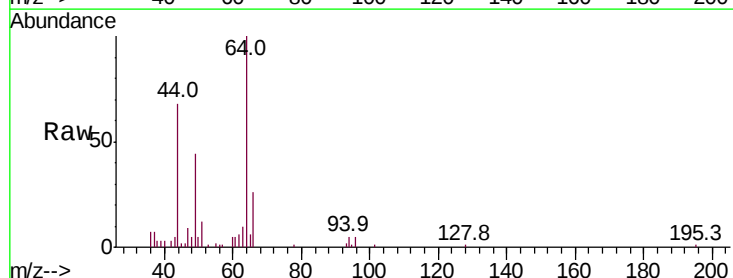
Acq: 3 Jun 2019 14:08

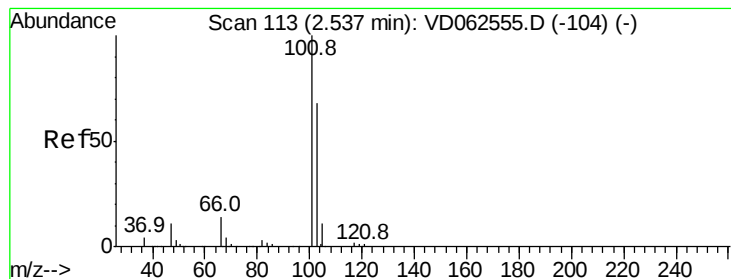
Tgt Ion: 64 Resp: 80001

Ion Ratio Lower Upper

64 100

66 25.8 23.4 35.2



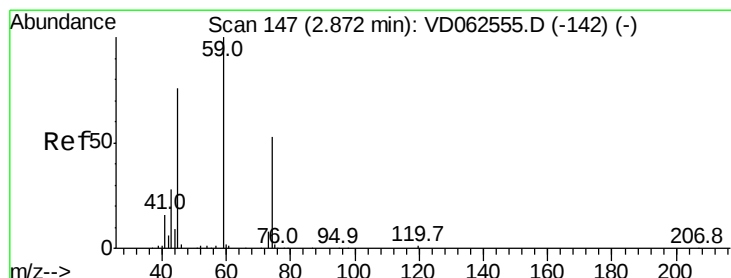
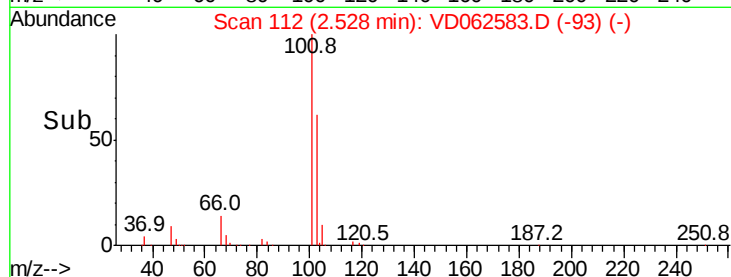
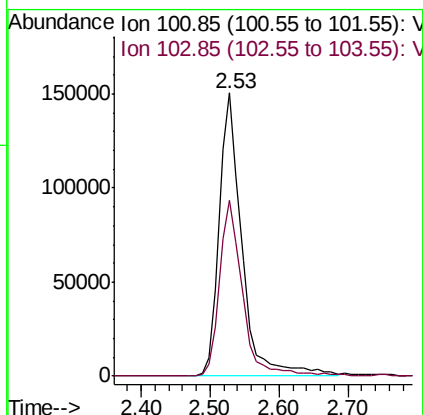
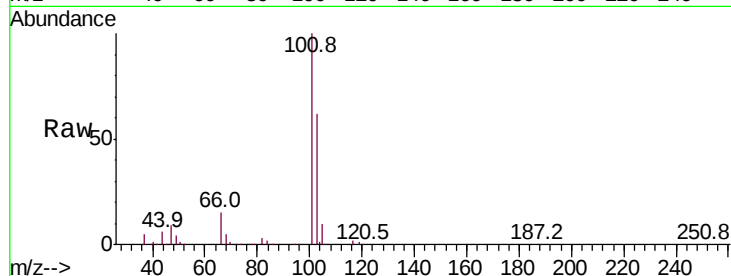


#7

Trichlorofluoromethane
 Concen: 22.634 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBSD01

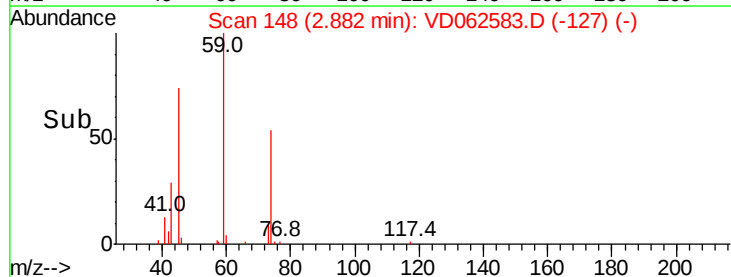
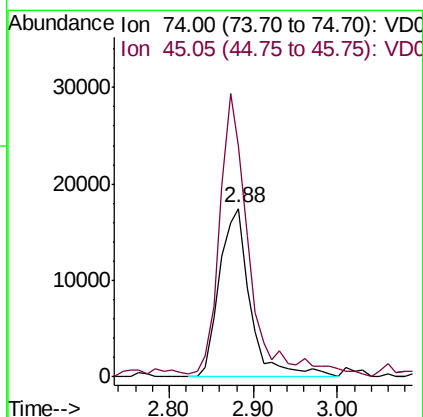
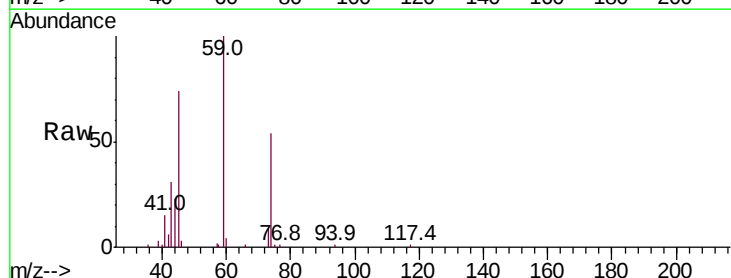
Tot Ion:101 Resp: 344562
 Ion Ratio Lower Upper
 101 100
 103 62.3 54.3 81.5

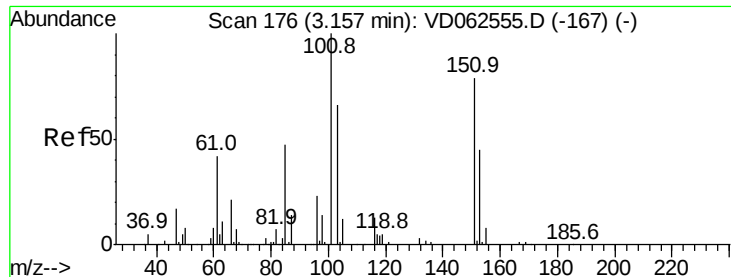


#8

Diethyl Ether
 Concen: 22.599 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Tgt Ion: 74 Resp: 44132
 Ion Ratio Lower Upper
 74 100
 45 136.8 71.9 215.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.156 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

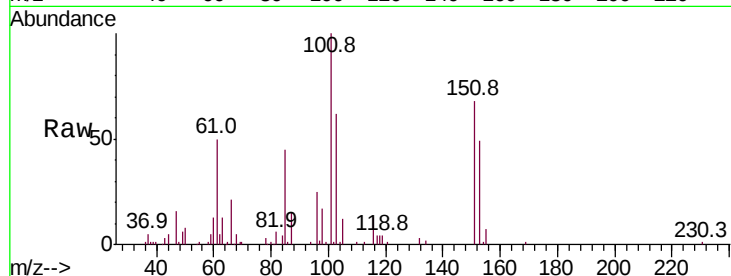
Tot Ion:101 Resp: 190180

Ion Ratio Lower Upper

101 100

85 44.7 37.6 56.4

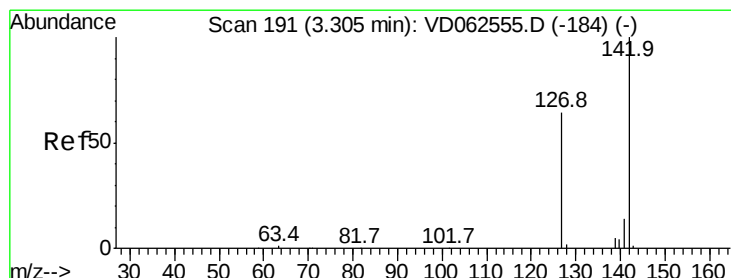
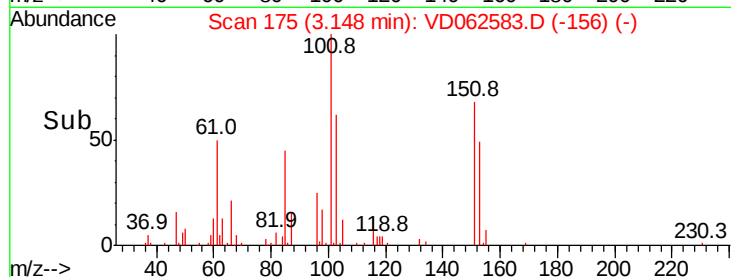
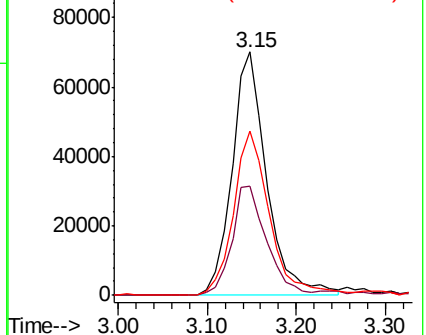
151 67.6 63.0 94.4



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: 24.978 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

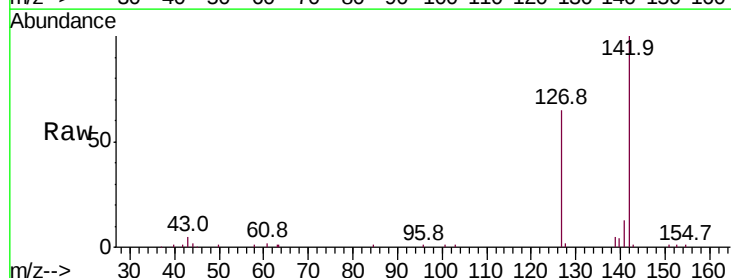
Tgt Ion:142 Resp: 254782

Ion Ratio Lower Upper

142 100

127 64.8 51.2 76.8

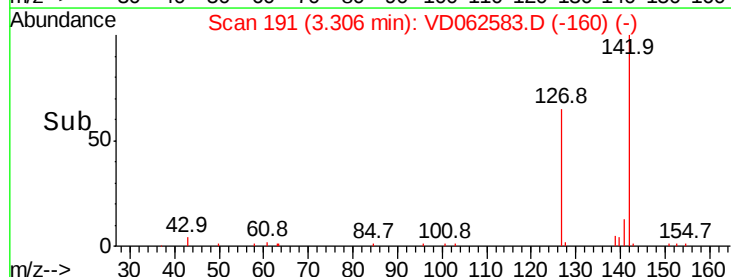
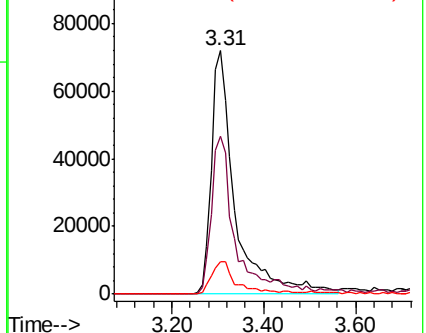
141 13.1 11.0 16.4

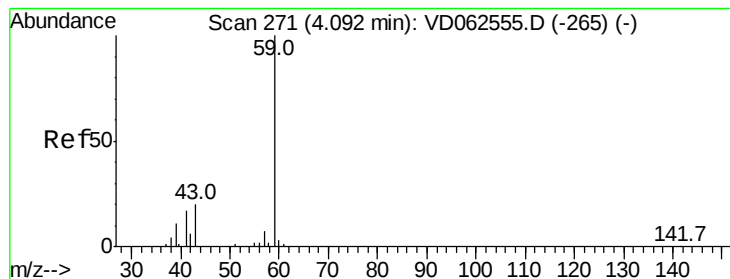


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



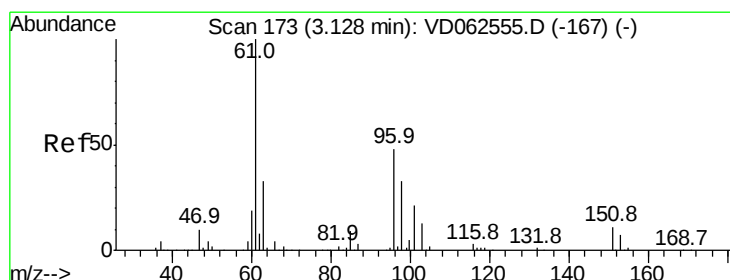
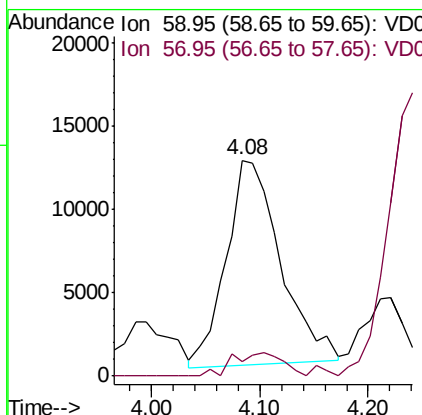
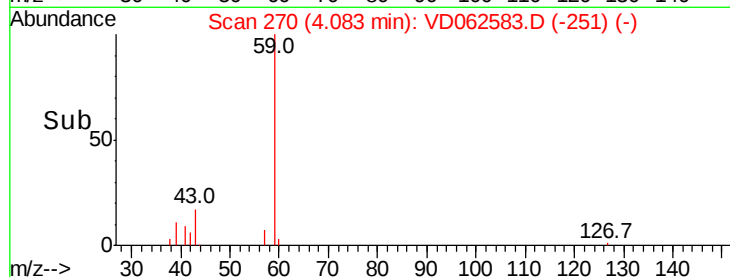
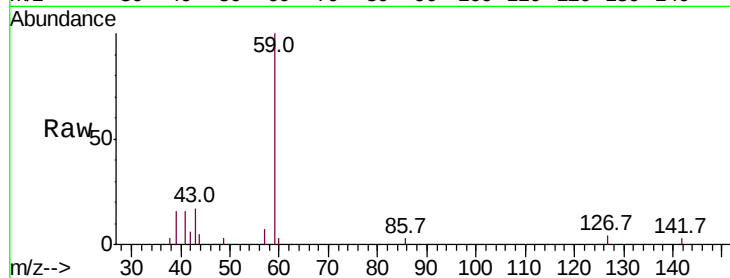


#11

Tert butyl alcohol
Concen: 105.349 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0603SBS01

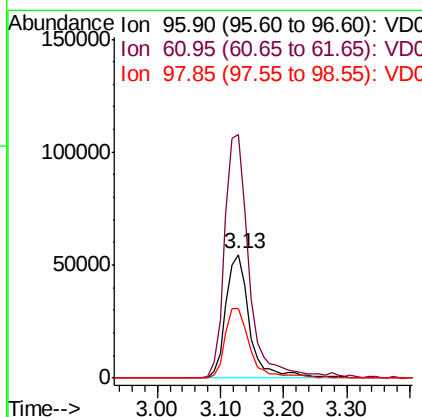
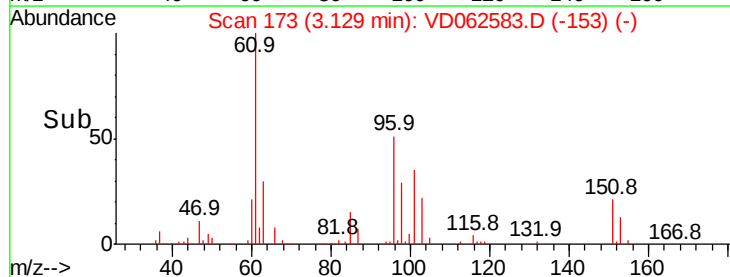
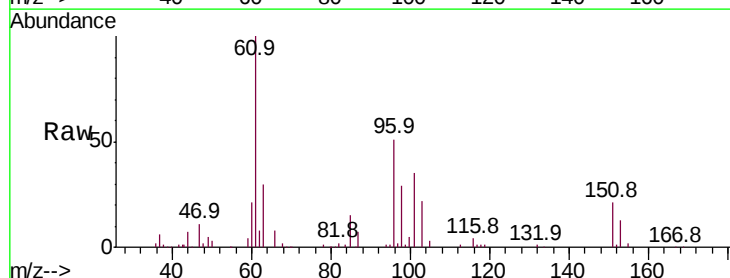
Tot Ion: 59 Resp: 42838
Ion Ratio Lower Upper
59 100
57 6.7 5.4 8.0

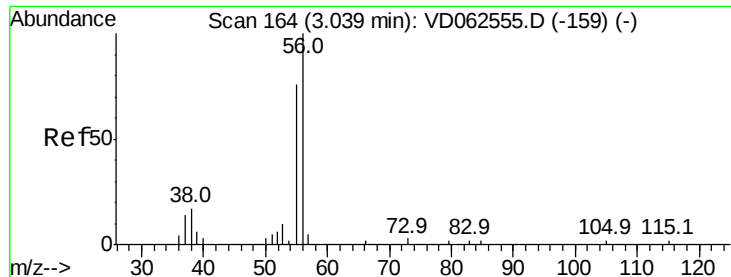


#12

1,1-Dichloroethene
Concen: 22.635 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 96 Resp: 143944
Ion Ratio Lower Upper
96 100
61 196.5 166.6 250.0
98 56.5 54.4 81.6





#13

Acrolein

Concen: 101.385 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

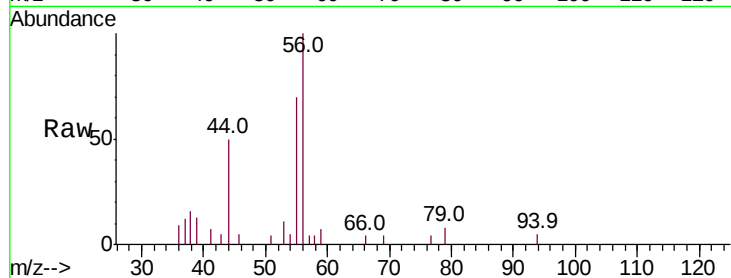
VD0603SBS01

Tot Ion: 56 Resp: 17963

Ion Ratio Lower Upper

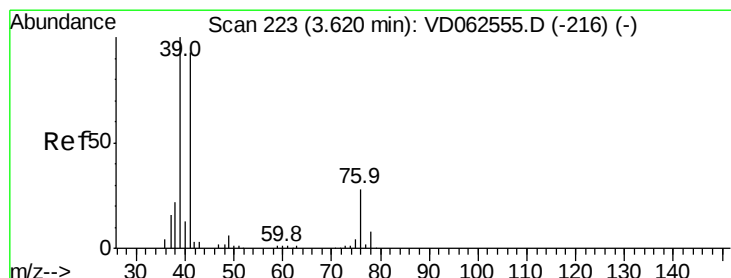
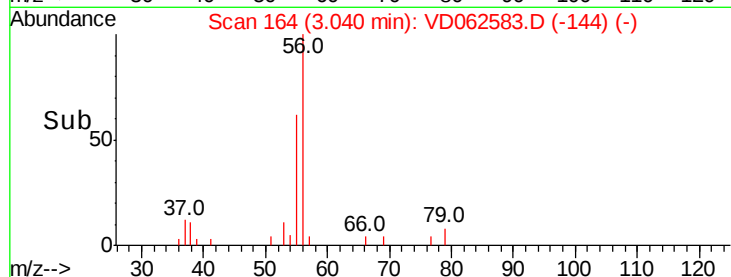
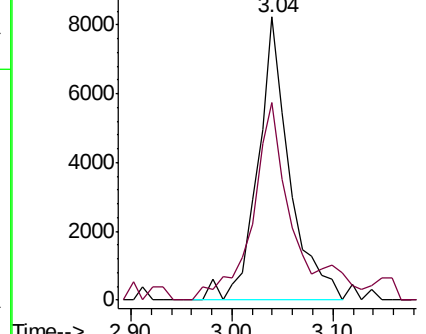
56 100

55 69.7 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.090 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

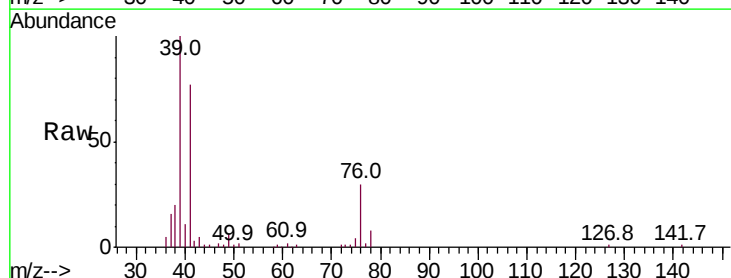
Tgt Ion: 41 Resp: 209507

Ion Ratio Lower Upper

41 100

39 129.6 86.3 129.5#

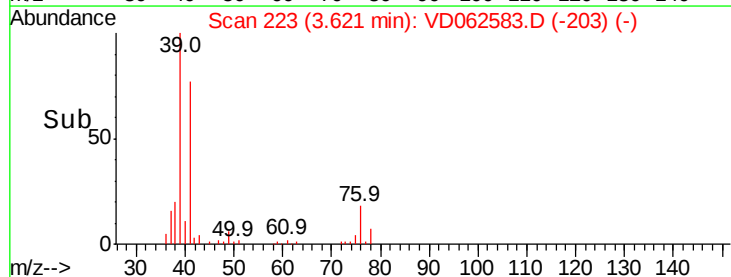
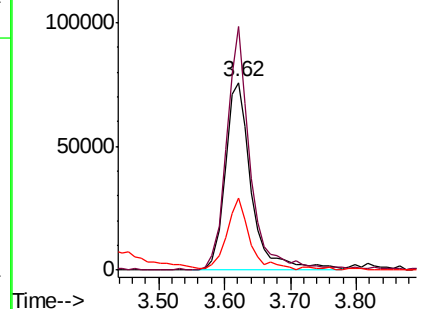
76 38.5 25.5 38.3#

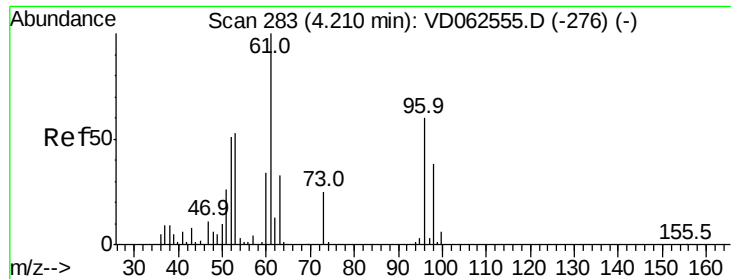


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 108.498 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBS01

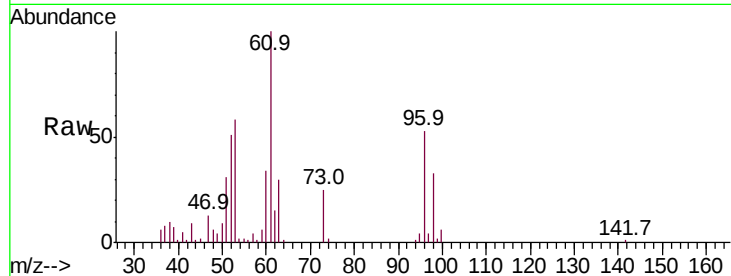
Tot Ion: 53 Resp: 105467

Ion Ratio Lower Upper

53 100

52 88.2 76.2 114.2

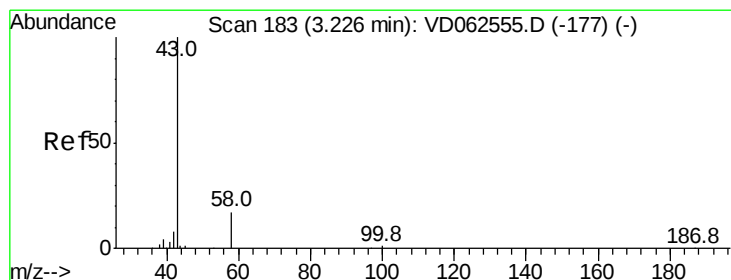
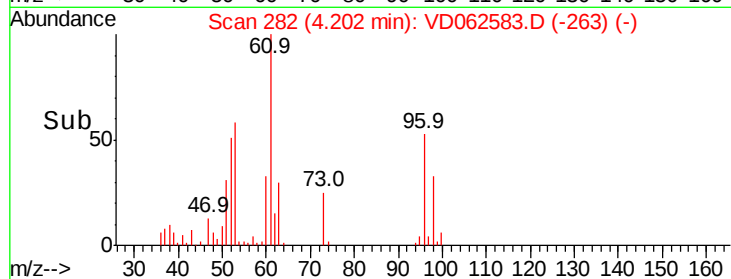
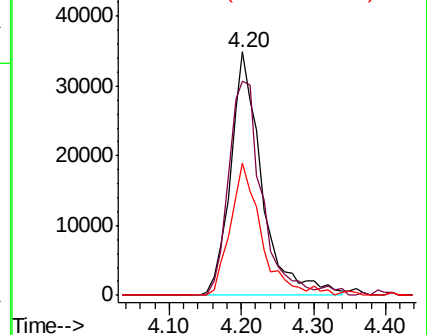
51 54.4 40.2 60.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.261 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062583.D

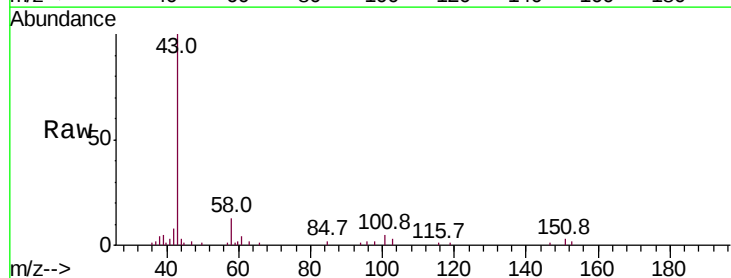
Acq: 3 Jun 2019 14:08

Tgt Ion: 43 Resp: 191551

Ion Ratio Lower Upper

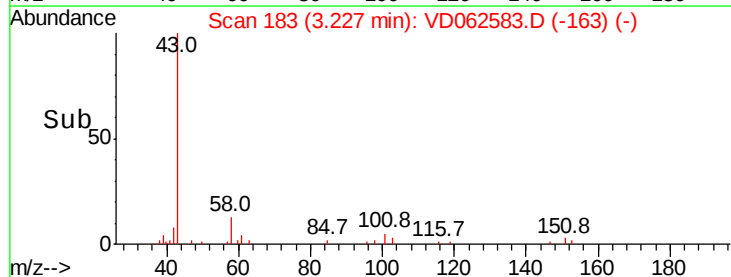
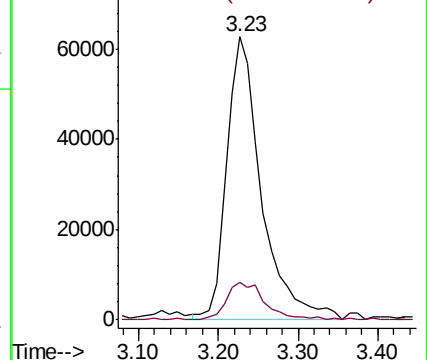
43 100

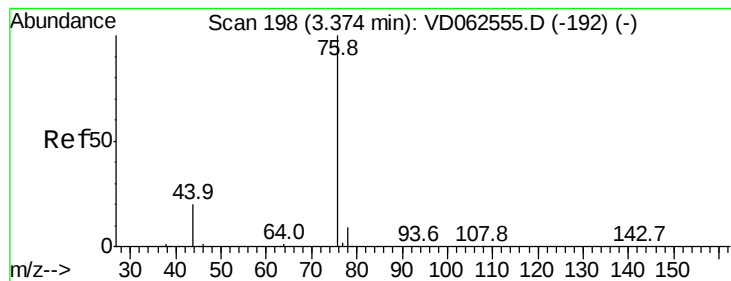
58 13.3 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.249 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

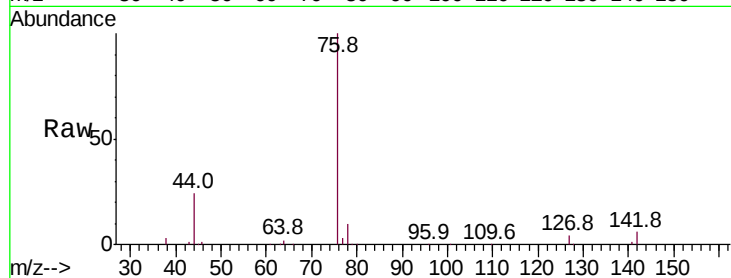
VD0603SBSD01

Tot Ion: 76 Resp: 397916

Ion Ratio Lower Upper

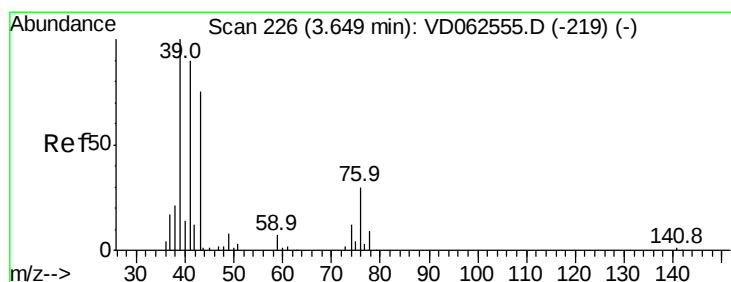
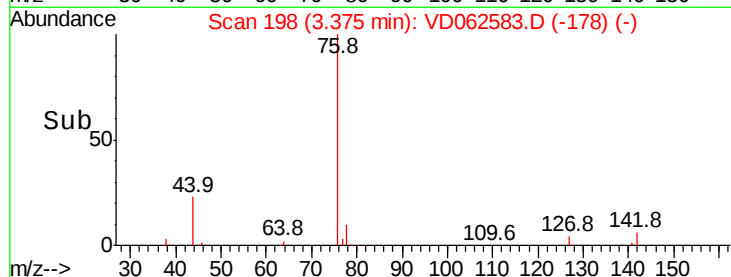
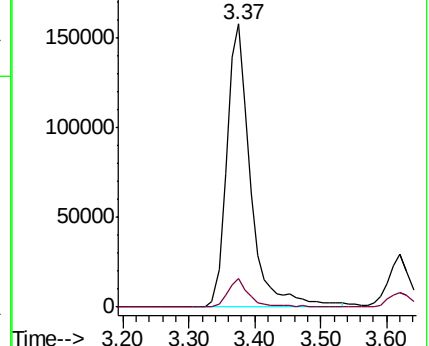
76 100

78 10.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.691 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062583.D

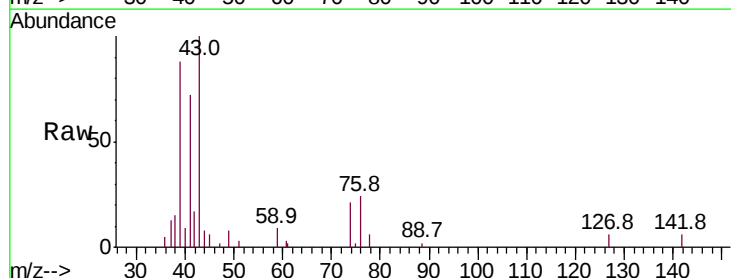
Acq: 3 Jun 2019 14:08

Tgt Ion: 43 Resp: 66317

Ion Ratio Lower Upper

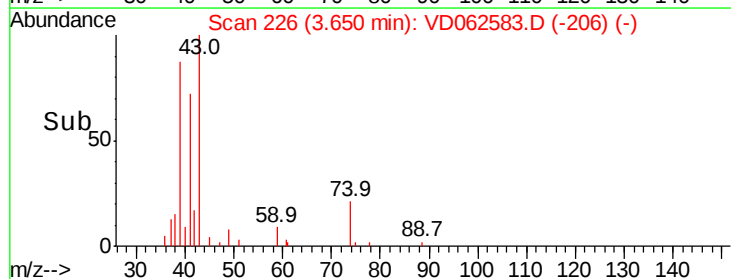
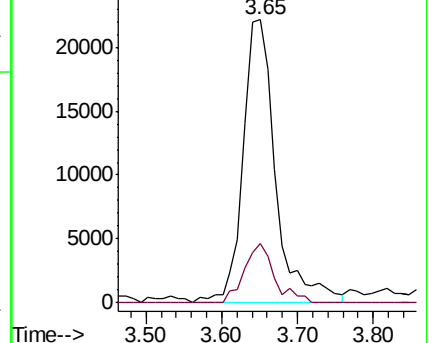
43 100

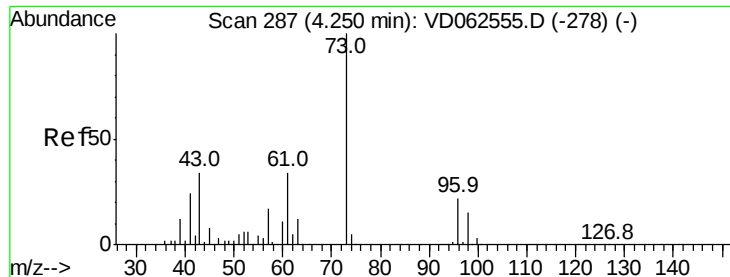
74 21.1 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

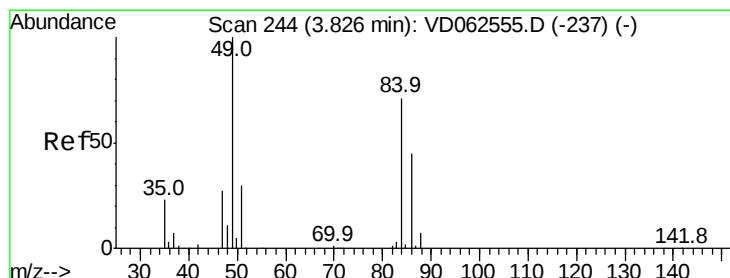
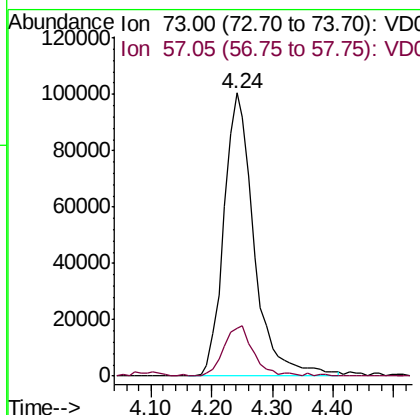
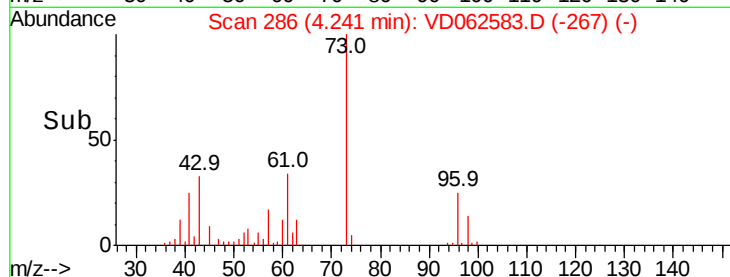
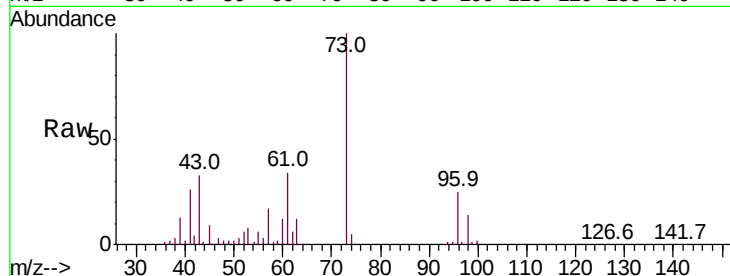




#19
Methyl tert-butyl Ether
Concen: 22.587 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

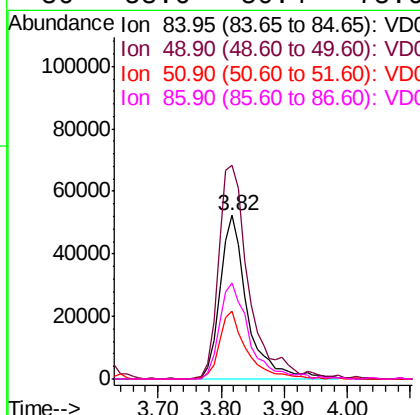
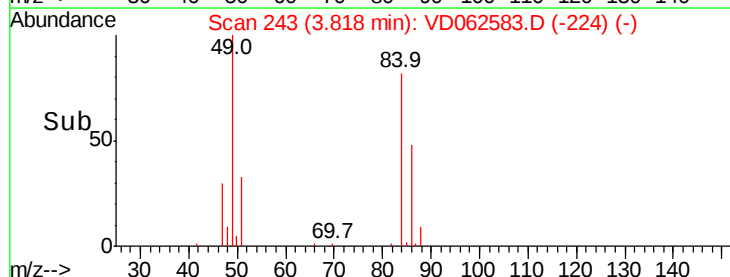
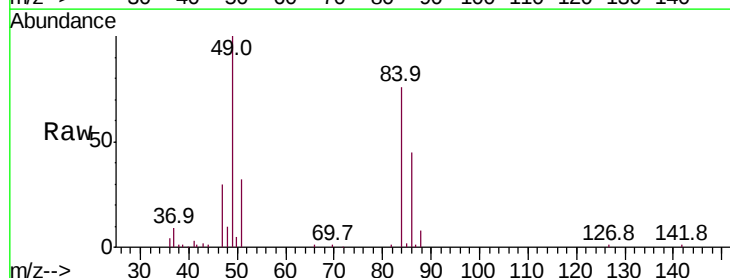
Instrument :
MSVOA_D
ClientSampleId :
VD0603SBS01

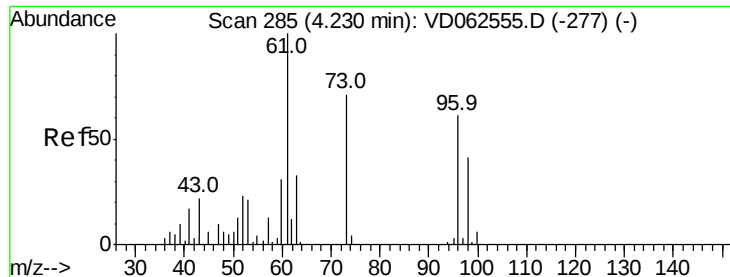
Tot Ion: 73 Resp: 347966
Ion Ratio Lower Upper
73 100
57 16.9 13.8 20.8



#20
Methylene Chloride
Concen: 22.810 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 84 Resp: 158162
Ion Ratio Lower Upper
84 100
49 130.7 112.3 168.5
51 41.5 33.6 50.4
86 58.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.613 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

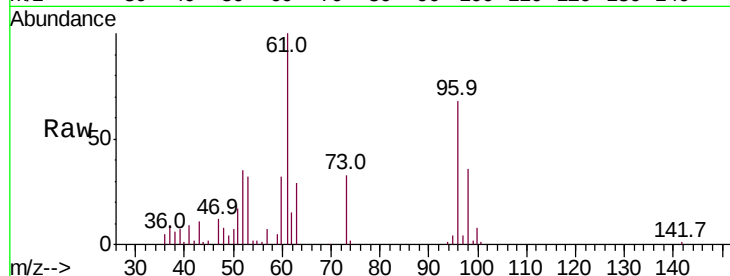
Tot Ion: 96 Resp: 155976

Ion Ratio Lower Upper

96 100

61 148.1 131.1 196.7

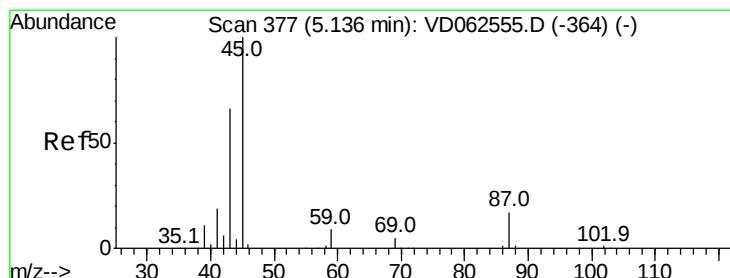
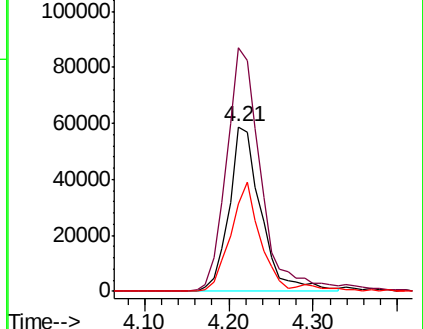
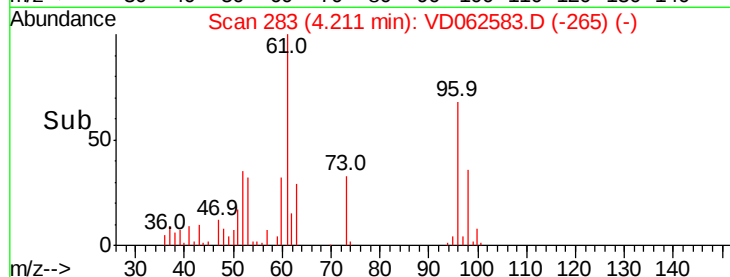
98 52.8 54.2 81.4#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.251 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Tgt Ion: 45 Resp: 451562

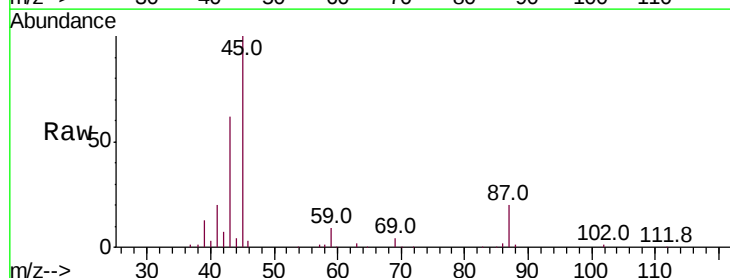
Ion Ratio Lower Upper

45 100

43 62.2 53.6 80.4

87 19.9 14.2 21.4

59 8.6 7.3 10.9

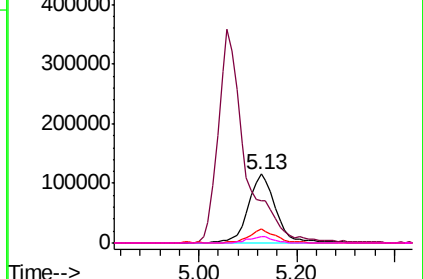
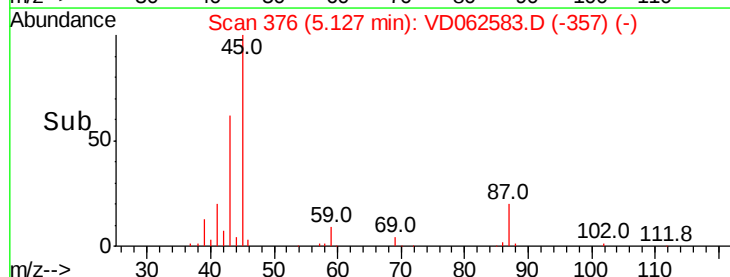


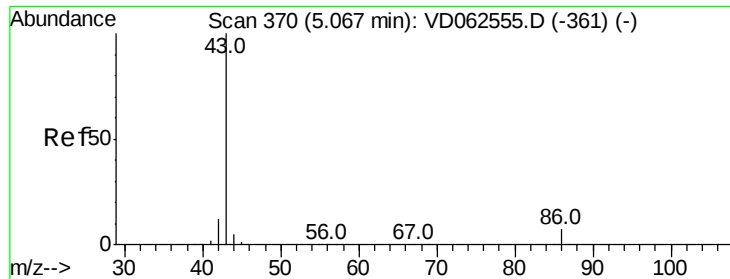
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 111.465 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

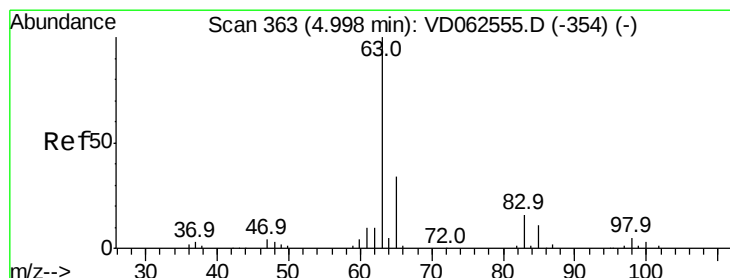
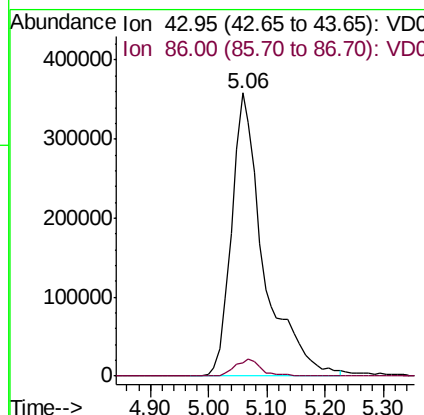
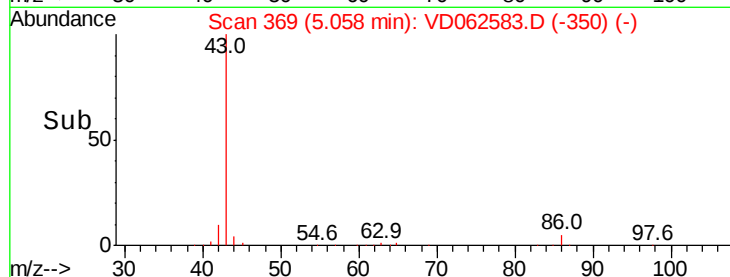
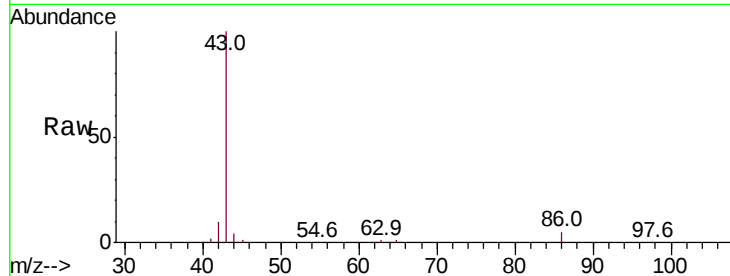
VD0603SBSD01

Tot Ion: 43 Resp: 1371795

Ion Ratio Lower Upper

43 100

86 4.8 5.5 8.3#



#24

1,1-Dichloroethane

Concen: 21.785 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

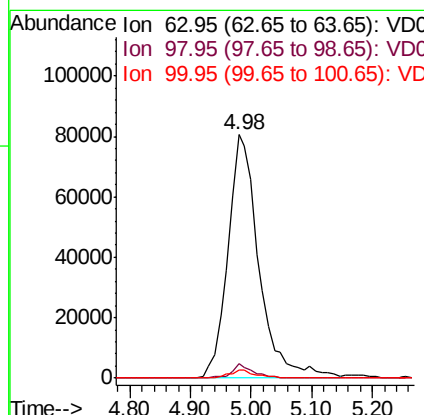
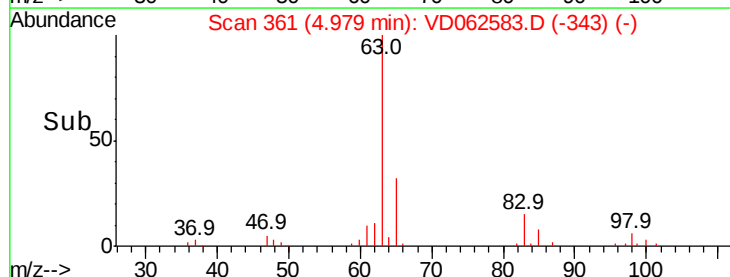
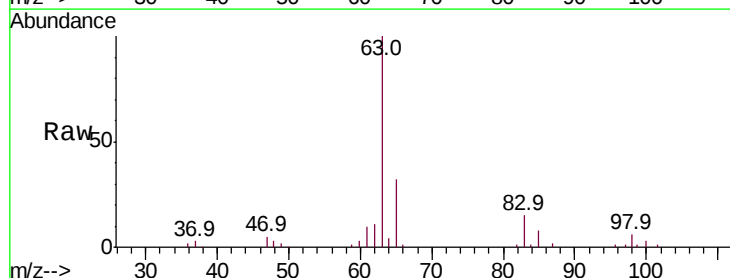
Tgt Ion: 63 Resp: 285306

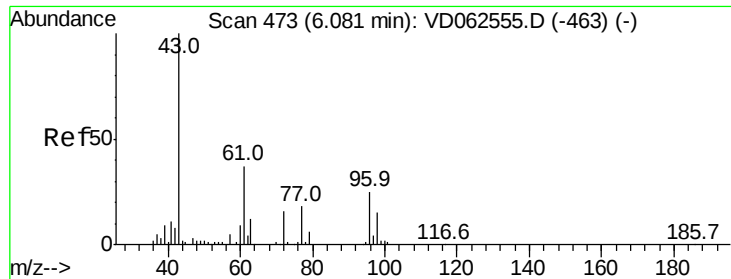
Ion Ratio Lower Upper

63 100

98 6.7 2.5 7.5

100 3.1 1.6 4.7





#25

2-Butanone

Concen: 106.076 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

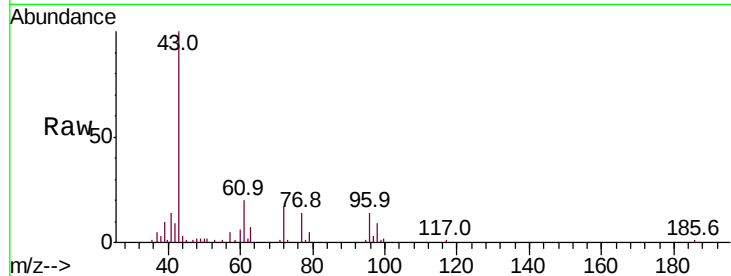
VD0603SBSD01

Tot Ion: 43 Resp: 187131

Ion Ratio Lower Upper

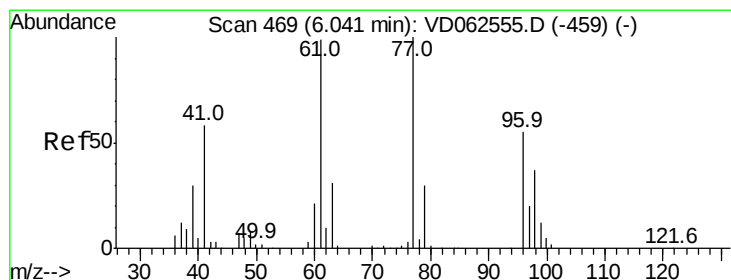
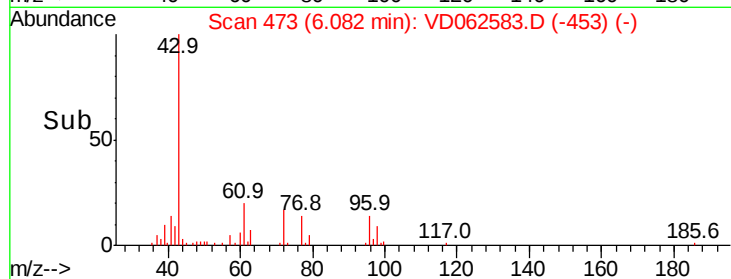
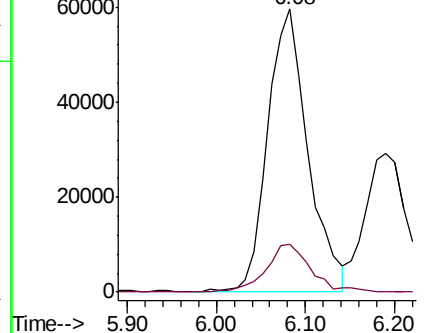
43 100

72 17.1 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.581 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062583.D

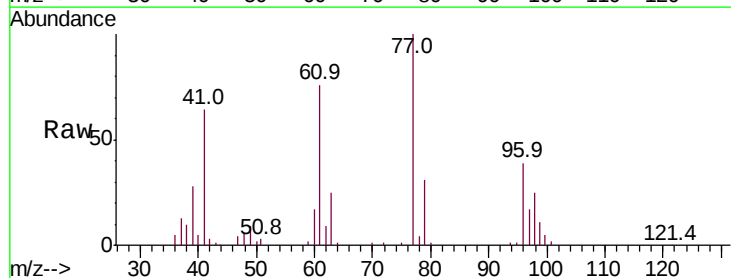
Acq: 3 Jun 2019 14:08

Tgt Ion: 77 Resp: 328073

Ion Ratio Lower Upper

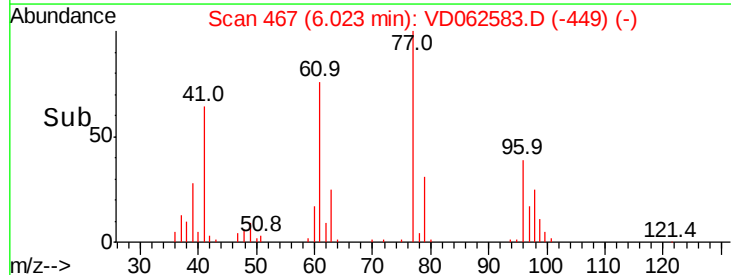
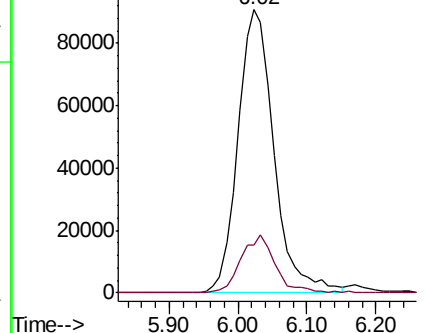
77 100

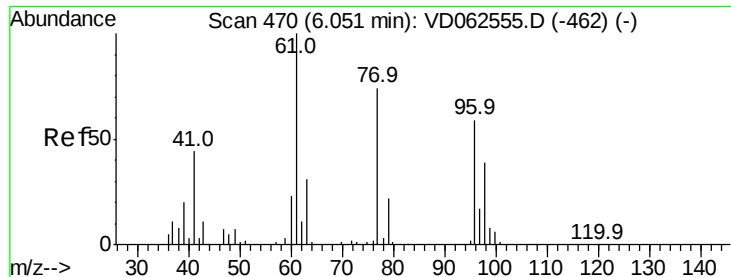
97 17.0 9.8 29.3



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: 21.660 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

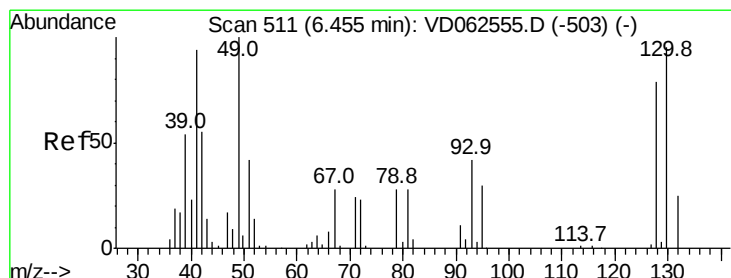
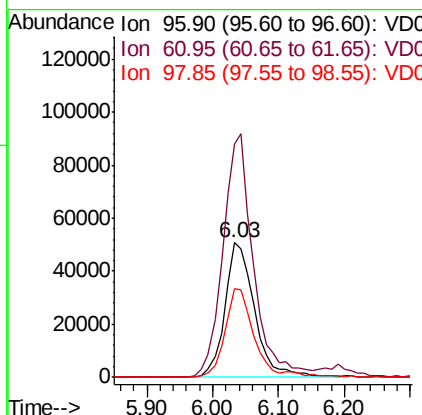
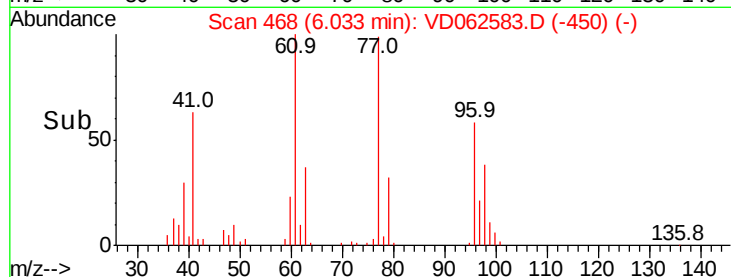
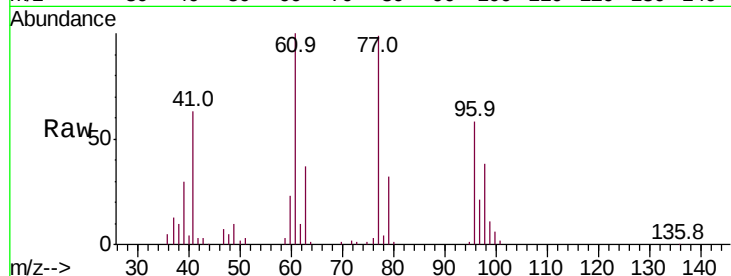
Tot Ion: 96 Resp: 160677

Ion Ratio Lower Upper

96 100

61 173.3 0.0 342.4

98 65.7 0.0 134.6



#28

Bromochloromethane

Concen: 21.182 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

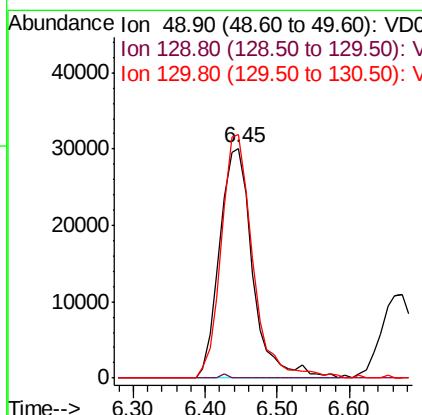
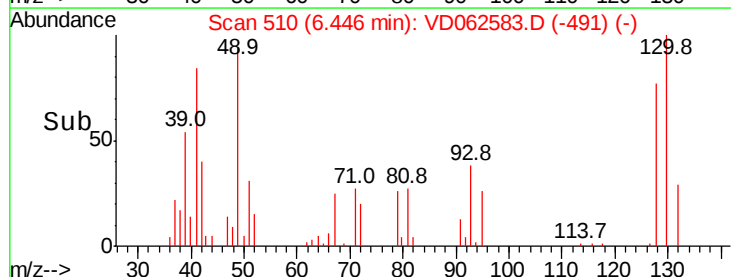
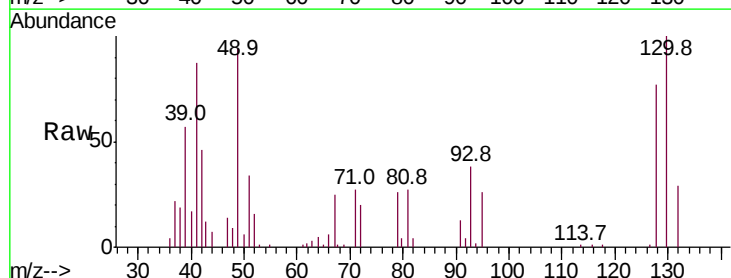
Tgt Ion: 49 Resp: 95855

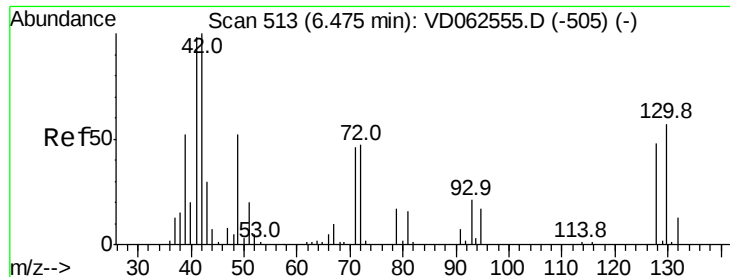
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

130 106.0 75.8 113.8





#29

Tetrahydrofuran

Concen: 108.729 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

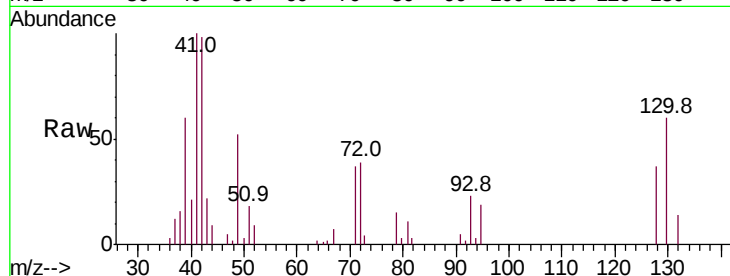
Tot Ion: 42 Resp: 85922

Ion Ratio Lower Upper

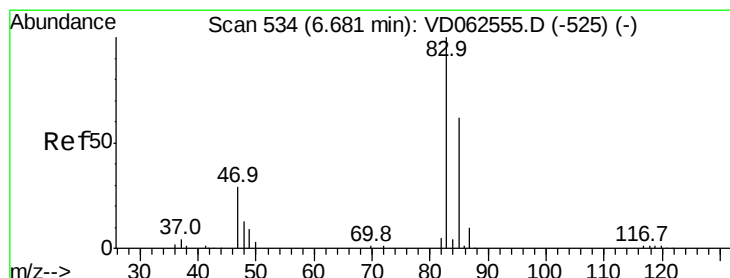
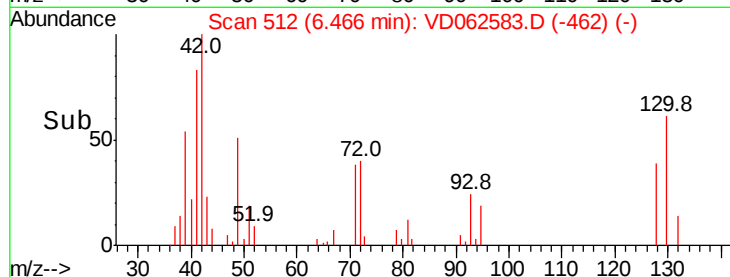
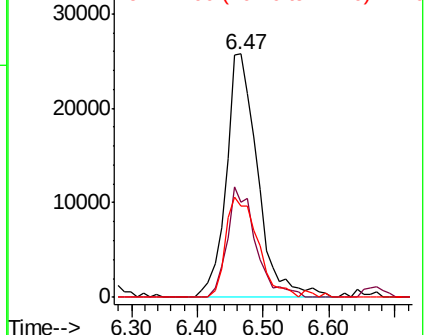
42 100

72 41.3 34.5 51.7

71 42.2 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.304 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD062583.D

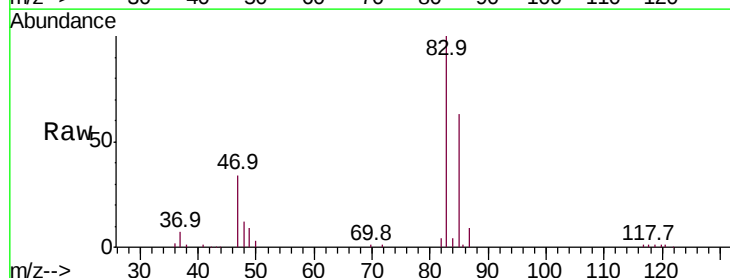
Acq: 3 Jun 2019 14:08

Tgt Ion: 83 Resp: 351975

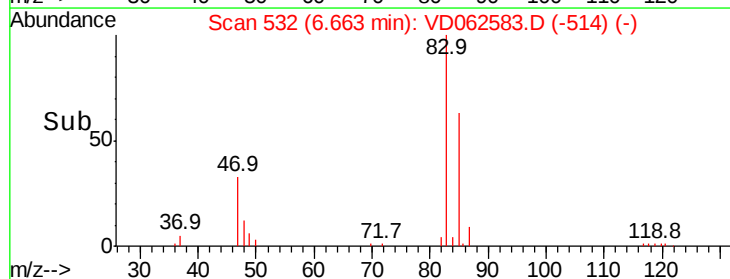
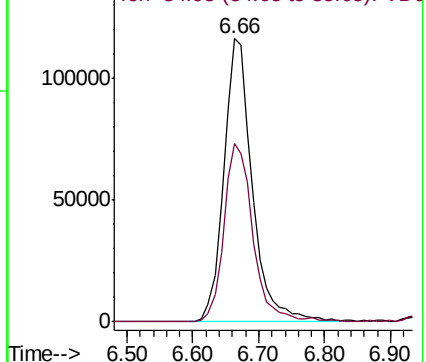
Ion Ratio Lower Upper

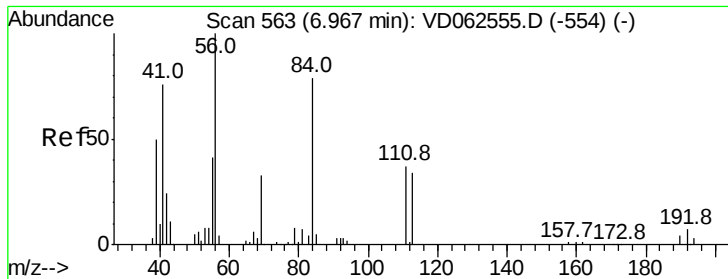
83 100

85 63.1 49.4 74.0



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

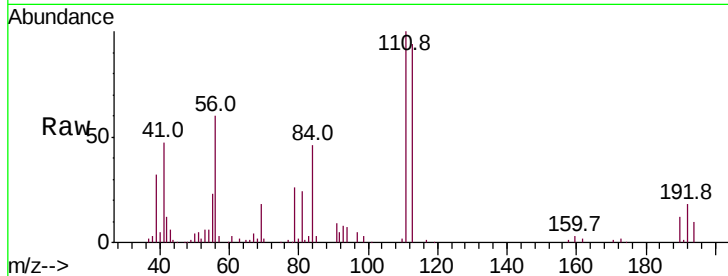




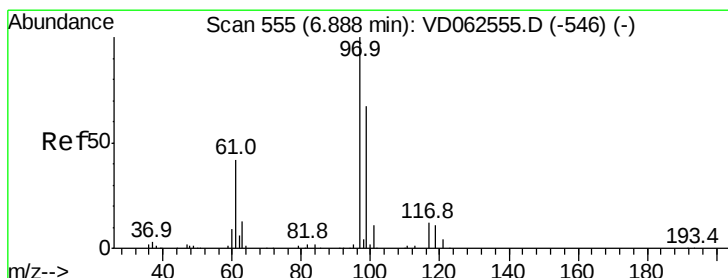
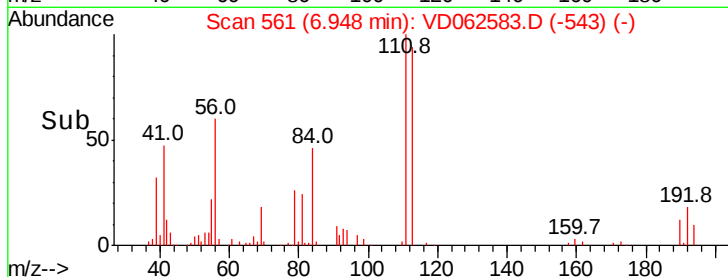
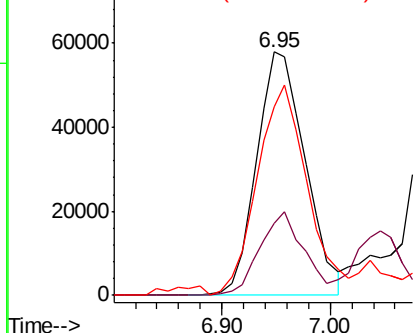
#31
Cyclohexane
Concen: 20.459 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

Tot Ion: 56 Resp: 181147
Ion Ratio Lower Upper
56 100
69 29.8 26.2 39.2
84 77.6 65.2 97.8

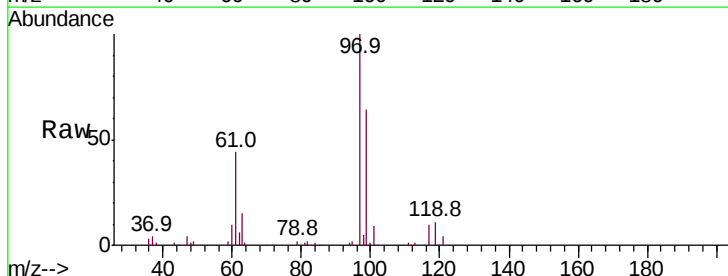


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

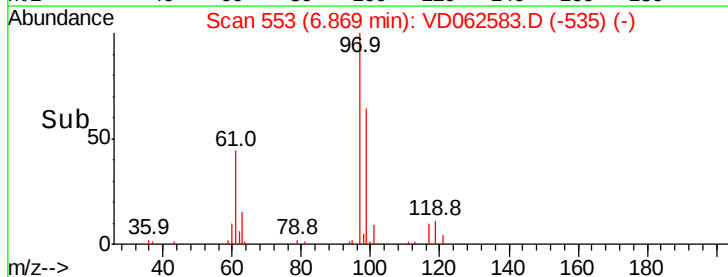
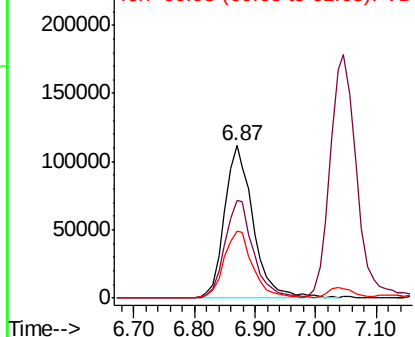


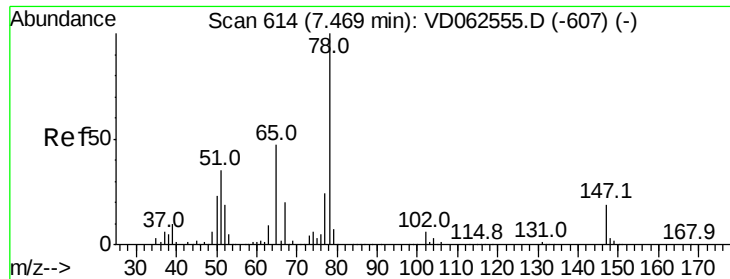
#32
1,1,1-Trichloroethane
Concen: 22.290 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 97 Resp: 366082
Ion Ratio Lower Upper
97 100
99 64.2 53.6 80.4
61 43.5 33.9 50.9



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: 55.607 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

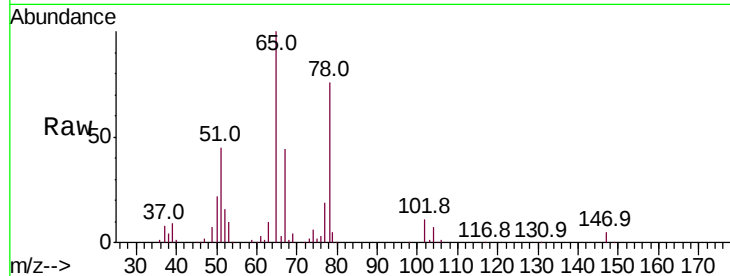
VD0603SBSD01

Tot Ion: 65 Resp: 530128

Ion Ratio Lower Upper

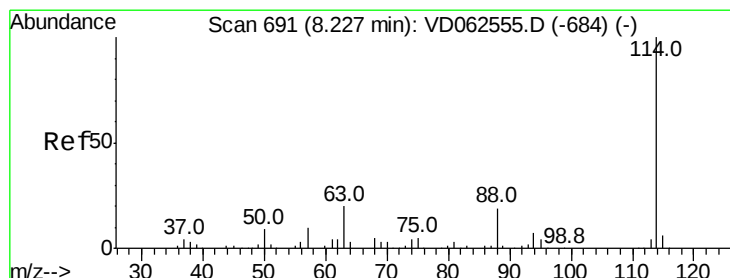
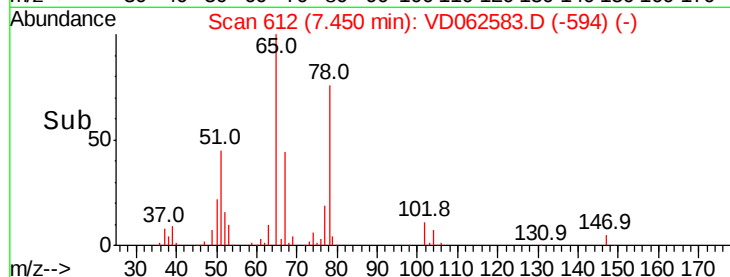
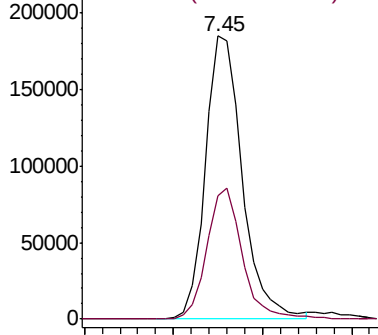
65 100

67 43.7 0.0 83.6



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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

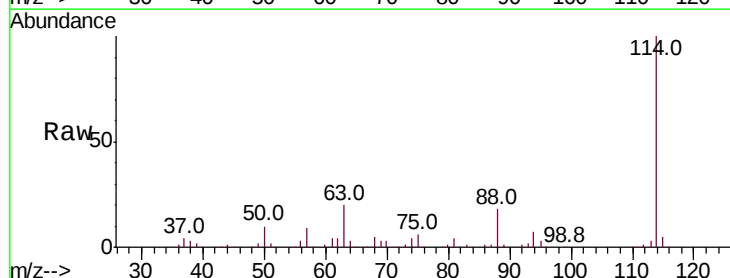
Tgt Ion: 114 Resp: 1082275

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

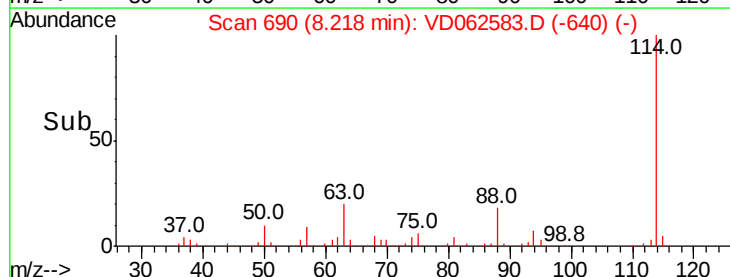
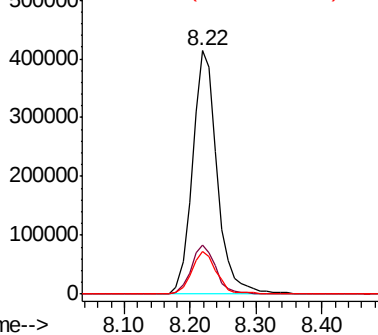
88 17.5 0.0 37.6

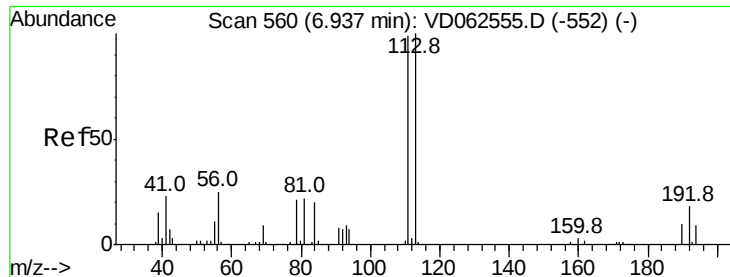


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.342 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

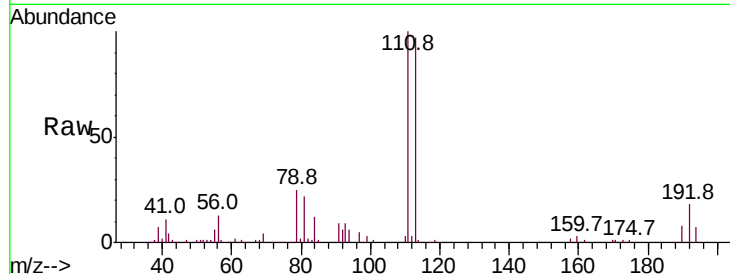
Tot Ion:113 Resp: 545802

Ion Ratio Lower Upper

113 100

111 103.5 78.8 118.2

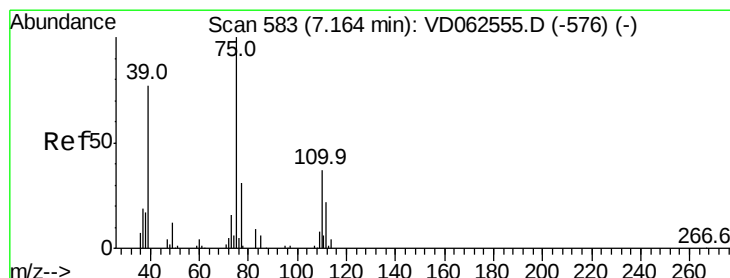
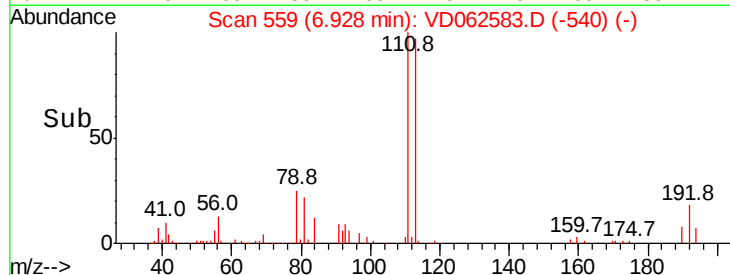
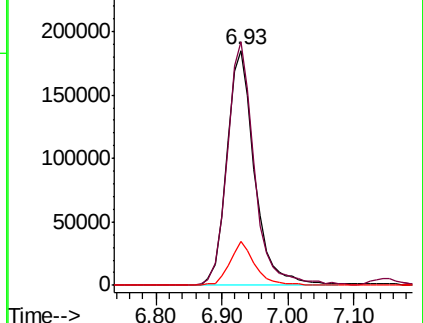
192 18.6 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.441 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

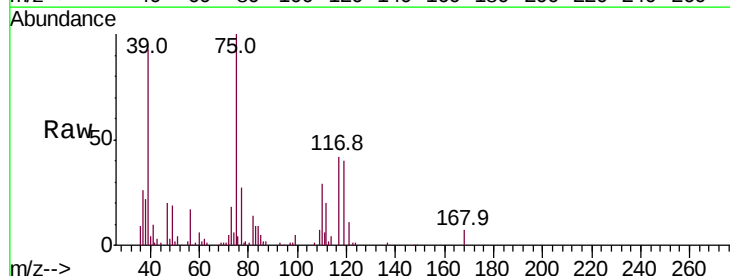
Tgt Ion: 75 Resp: 241769

Ion Ratio Lower Upper

75 100

110 28.9 18.3 54.8

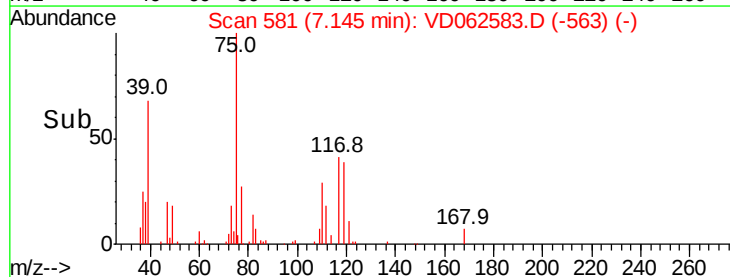
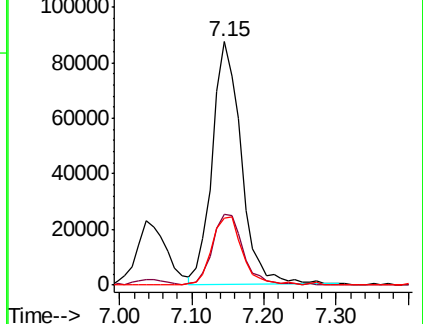
77 27.3 24.4 36.6

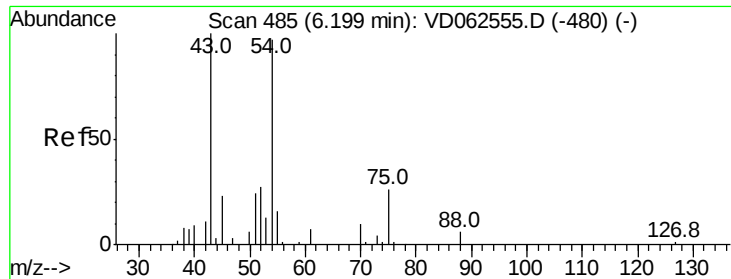


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

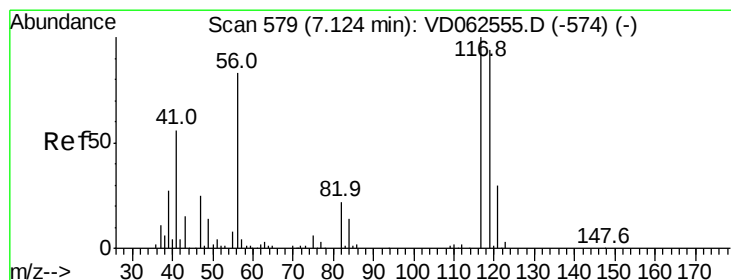
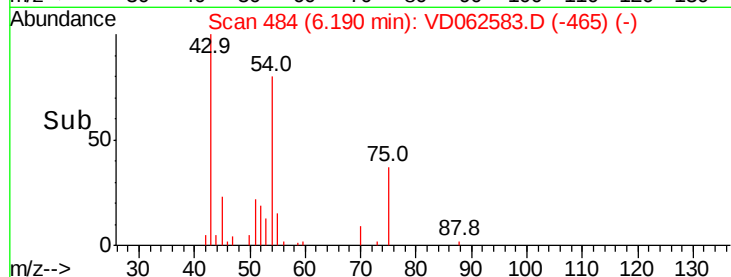
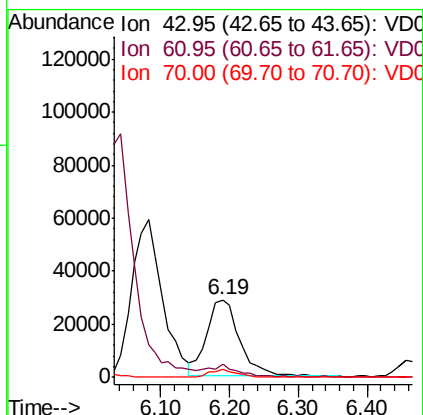
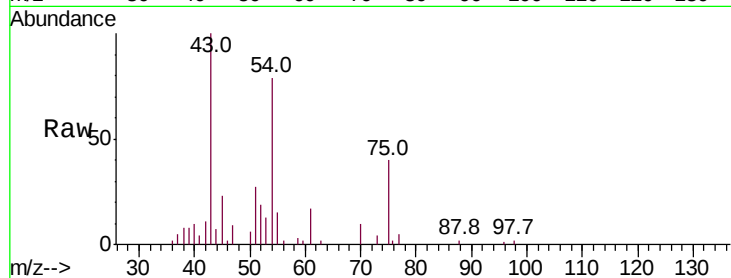




#37
Ethyl Acetate
Concen: 21.202 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

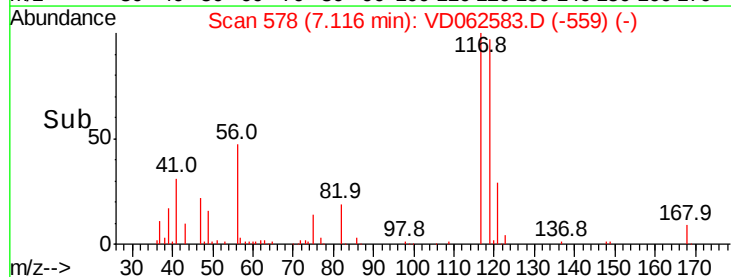
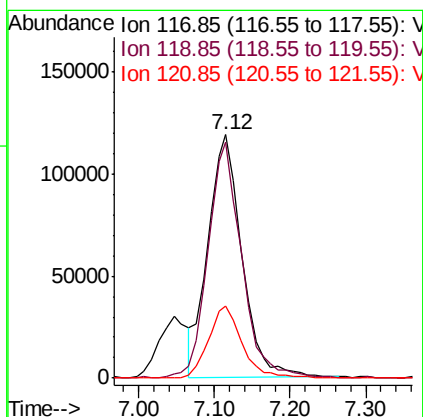
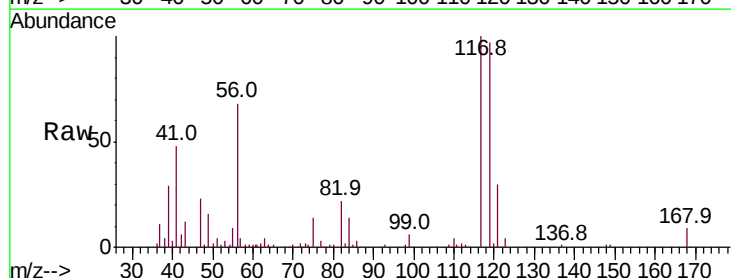
Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

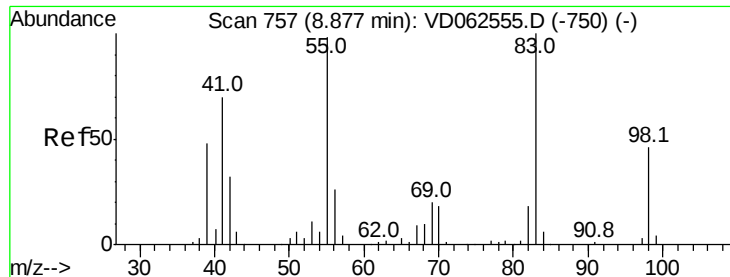
Tot Ion: 43 Resp: 96300
Ion Ratio Lower Upper
43 100
61 16.6 9.8 14.8#
70 10.3 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 23.129 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 117 Resp: 370985
Ion Ratio Lower Upper
117 100
119 96.9 71.4 107.2
121 29.5 22.5 33.7





#39

Methvlcvclohexane

Concen: 22.177 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

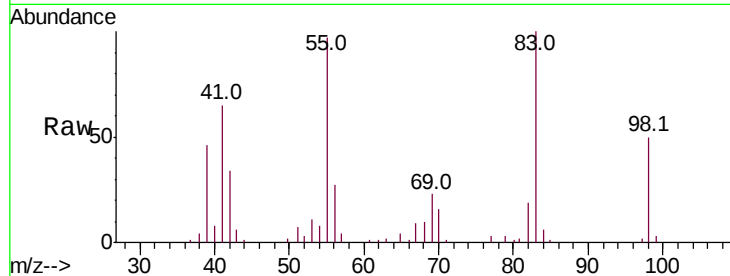
Tot Ion: 83 Resp: 202286

Ion Ratio Lower Upper

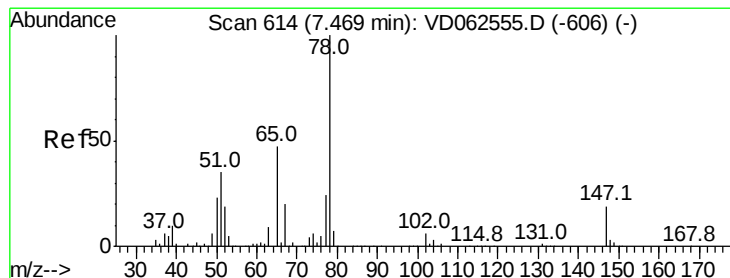
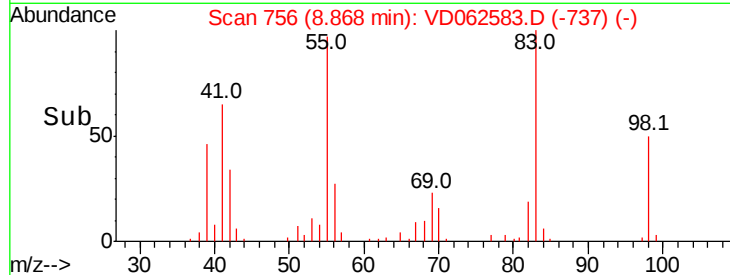
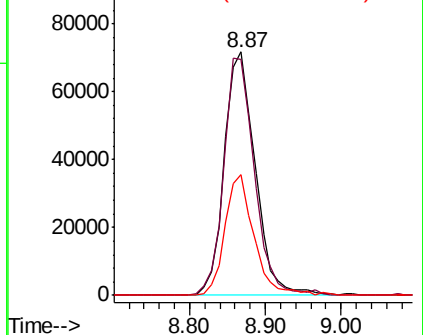
83 100

55 96.7 78.7 118.1

98 49.6 37.2 55.8



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: 21.486 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062583.D

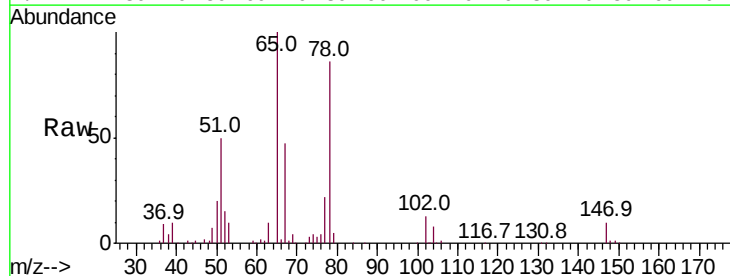
Acq: 3 Jun 2019 14:08

Tgt Ion: 78 Resp: 454336

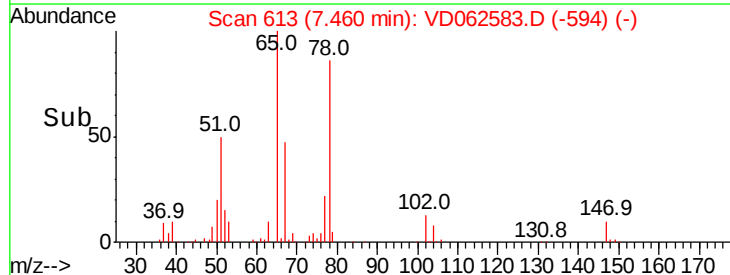
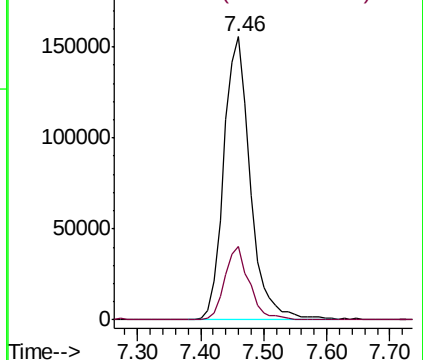
Ion Ratio Lower Upper

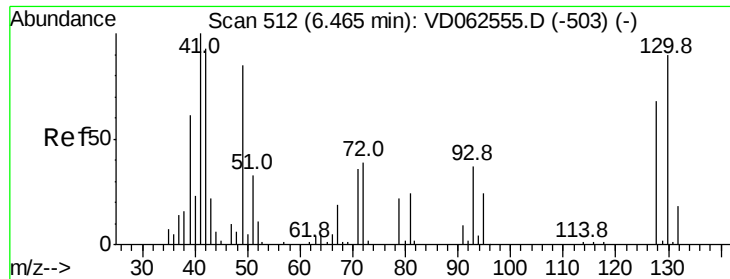
78 100

77 25.8 19.1 28.7



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





#41

Methacrylonitrile

Concen: 22.532 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

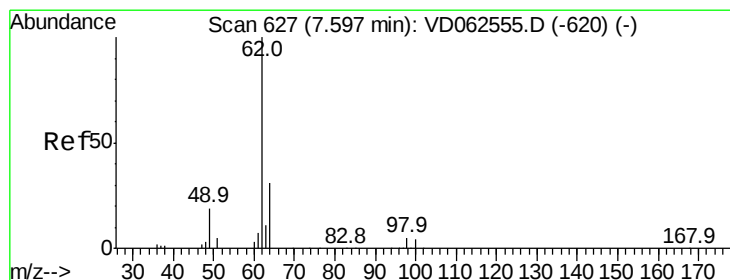
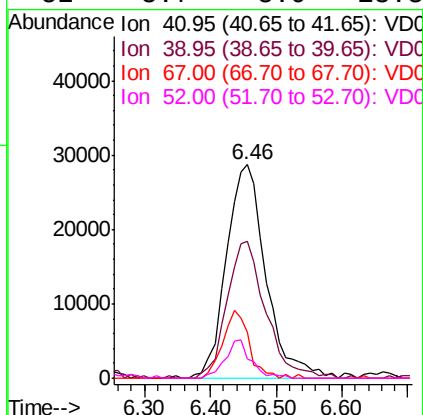
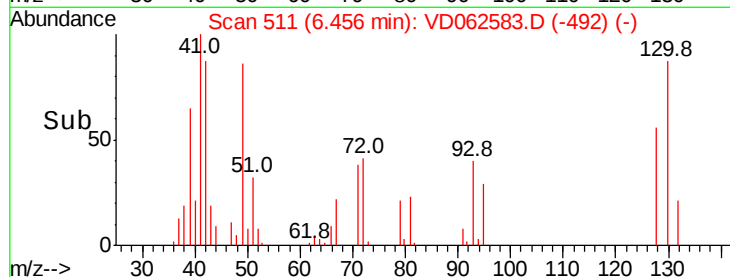
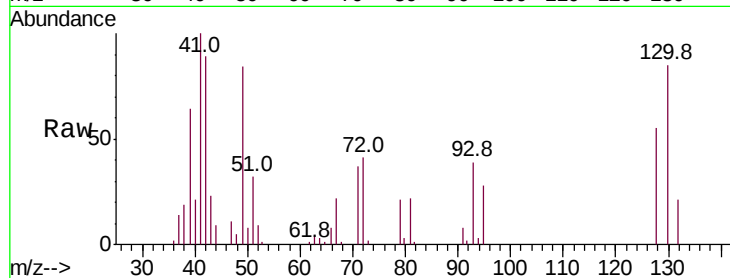
ClientSampleId :

VD0603SBS01

Tot Ion: 41 Resp: 120435

Ion Ratio Lower Upper

41	100		
39	63.9	49.0	73.6
67	21.7	15.5	23.3
52	8.7	8.9	13.3#



#42

1,2-Dichloroethane

Concen: 23.678 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

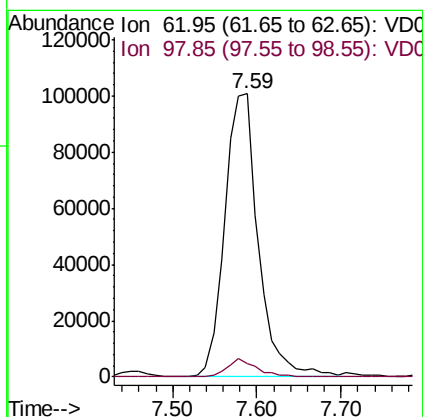
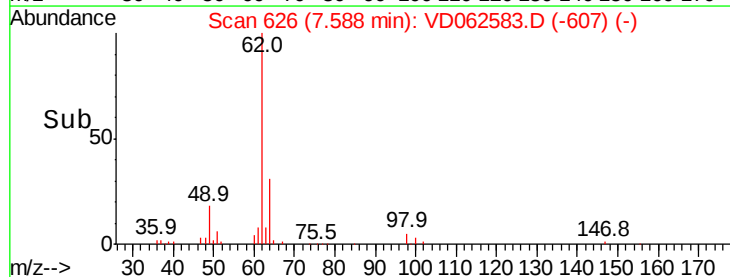
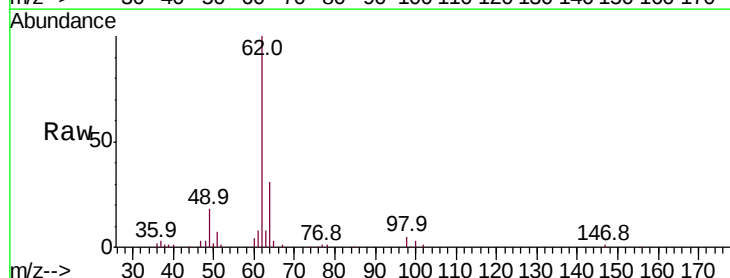
Lab File: VD062583.D

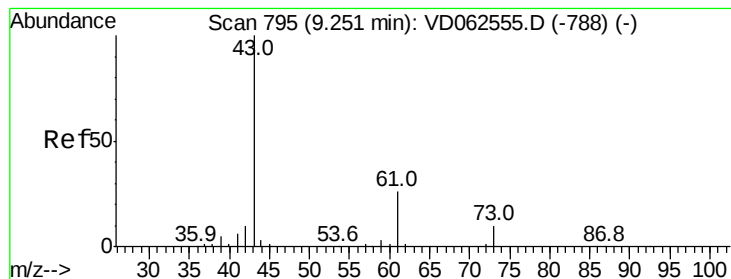
Acq: 3 Jun 2019 14:08

Tgt Ion: 62 Resp: 278891

Ion Ratio Lower Upper

62	100		
98	4.8	0.0	11.0





#43

Isopropyl Acetate

Concen: 22.025 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

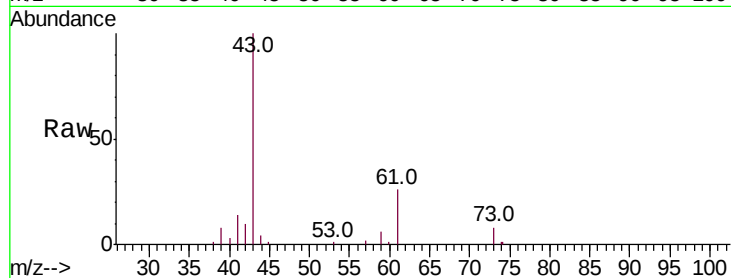
Tot Ion: 43 Resp: 124510

Ion Ratio Lower Upper

43 100

61 25.9 20.5 30.7

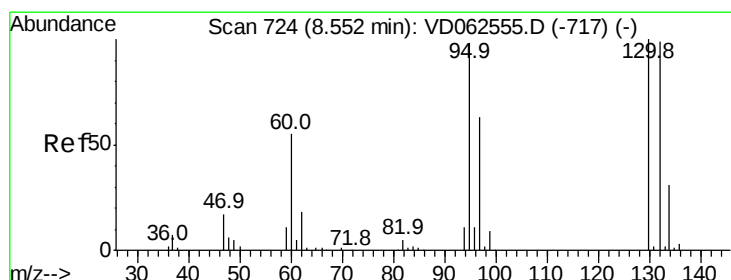
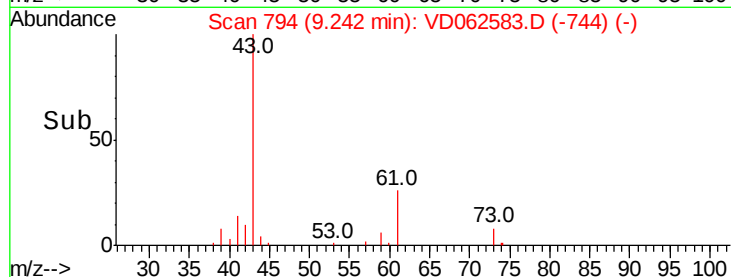
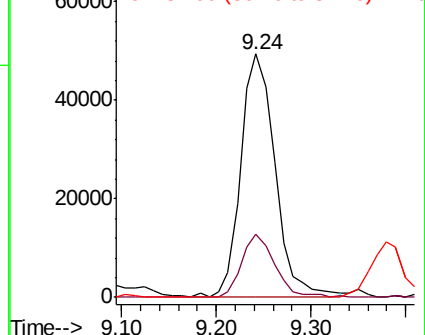
87 0.0 0.2 0.2#



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: 21.470 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062583.D

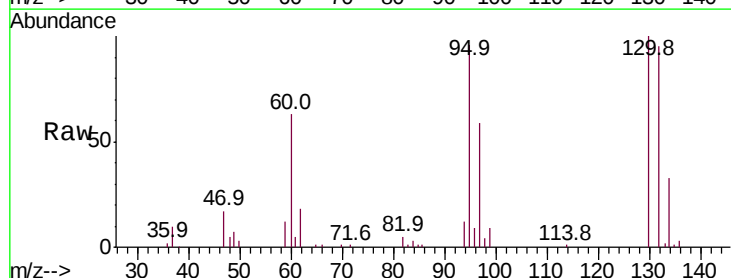
Acq: 3 Jun 2019 14:08

Tgt Ion:130 Resp: 181370

Ion Ratio Lower Upper

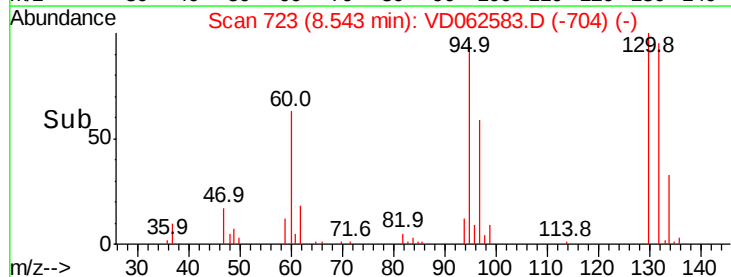
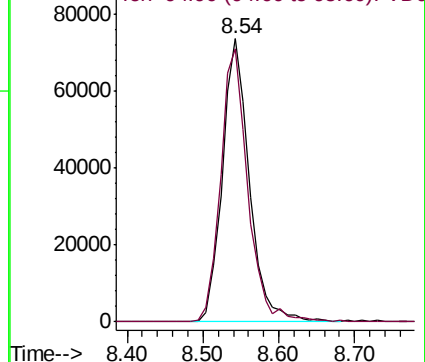
130 100

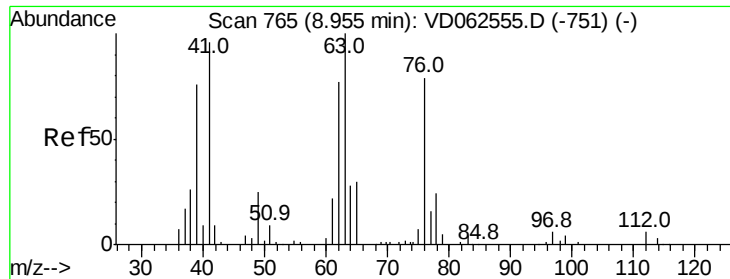
95 96.5 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.256 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

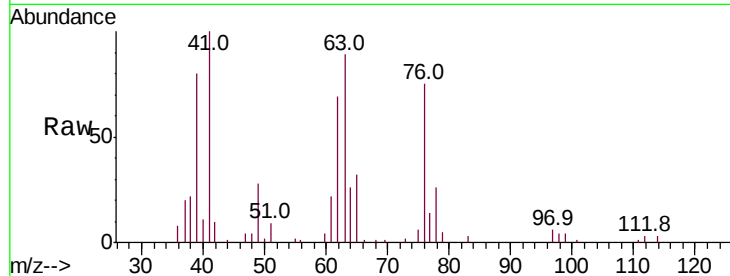
VD0603SBSD01

Tot Ion: 63 Resp: 105012

Ion Ratio Lower Upper

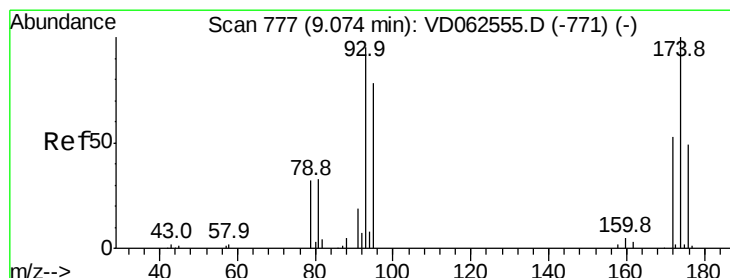
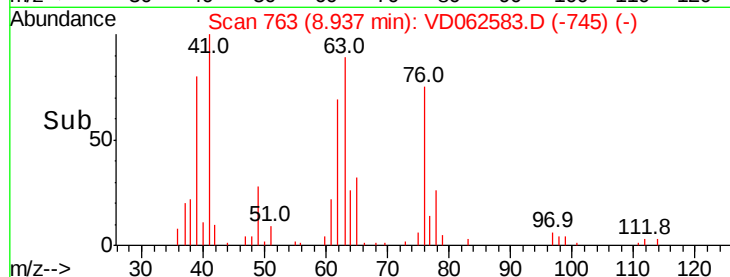
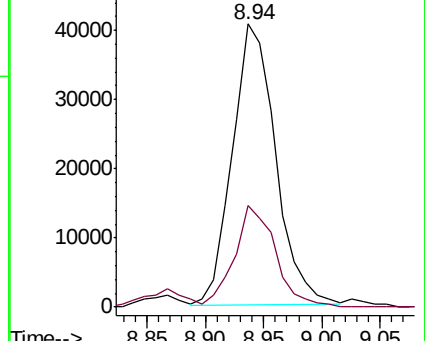
63 100

65 35.7 23.7 35.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.215 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

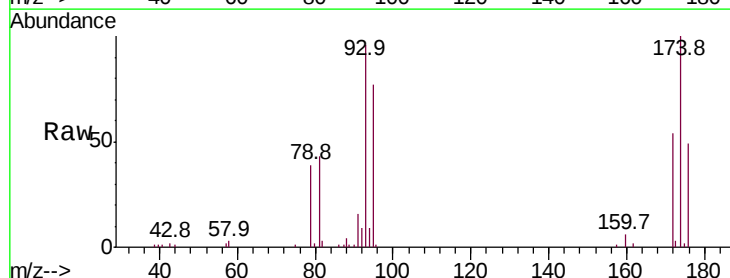
Tgt Ion: 93 Resp: 96735

Ion Ratio Lower Upper

93 100

95 80.7 66.1 99.1

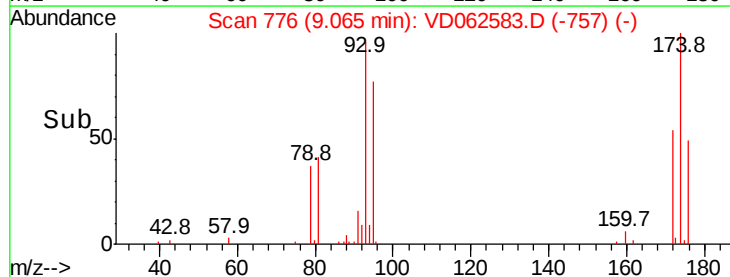
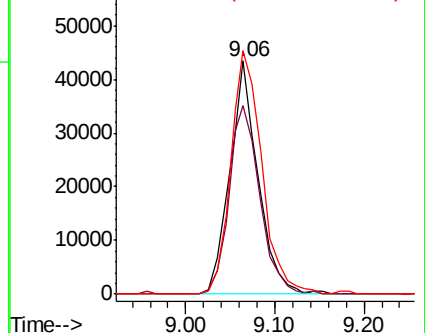
174 104.5 84.2 126.4

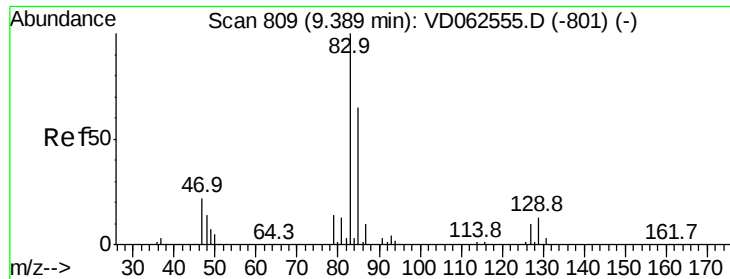


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.420 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

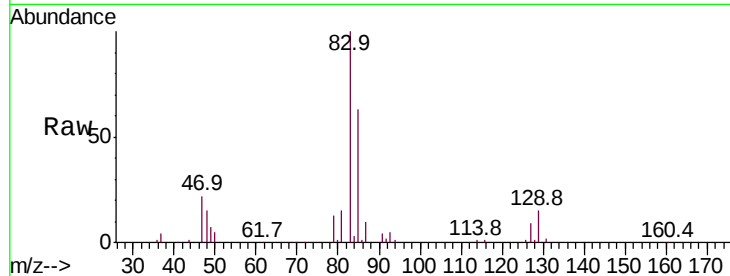
Tot Ion: 83 Resp: 268994

Ion Ratio Lower Upper

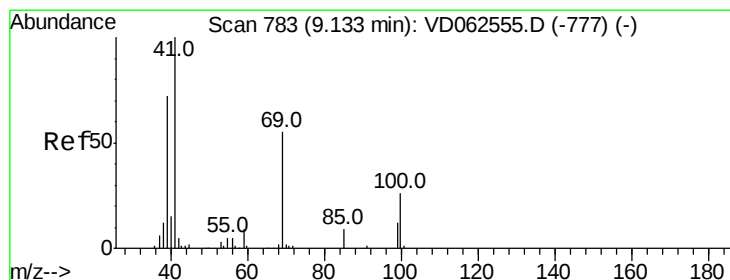
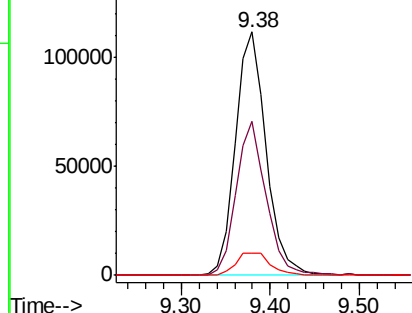
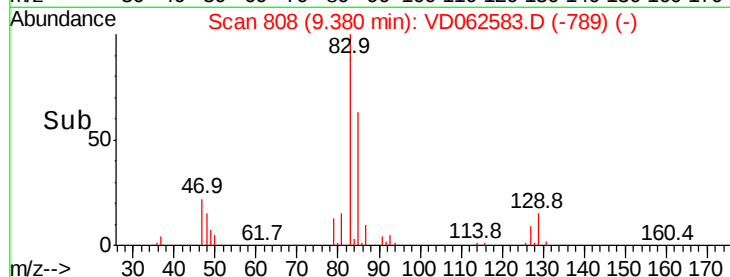
83 100

85 63.0 51.8 77.8

127 9.0 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.113 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

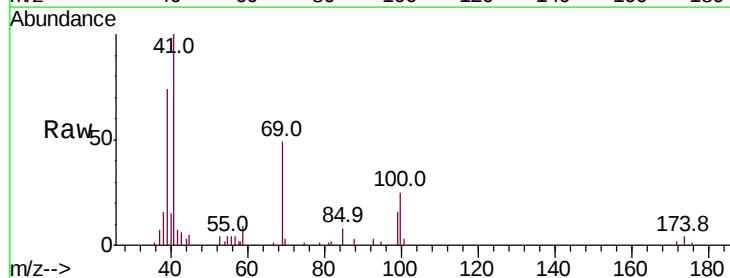
Tgt Ion: 41 Resp: 83260

Ion Ratio Lower Upper

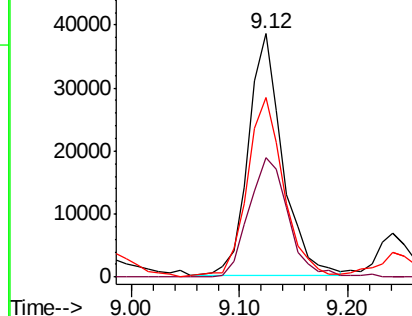
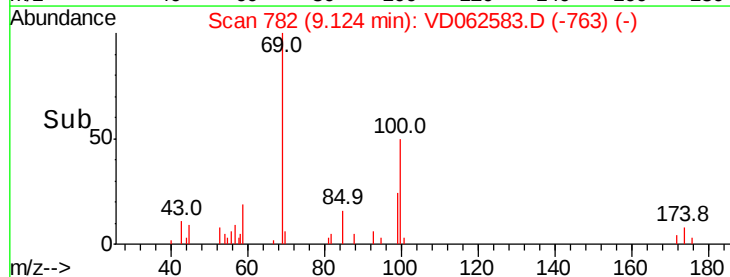
41 100

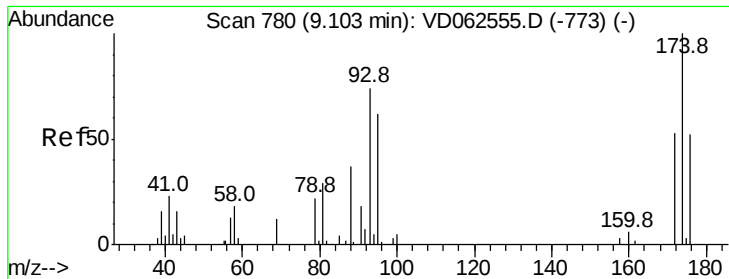
69 49.1 43.6 65.4

39 73.9 58.1 87.1



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

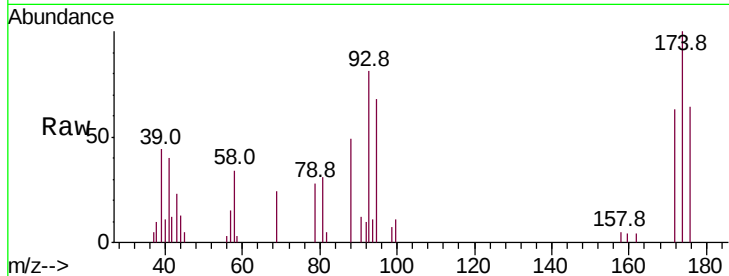




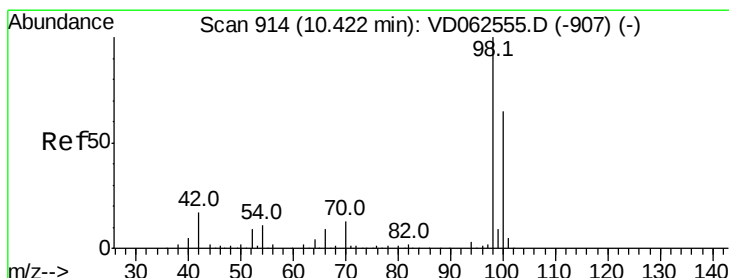
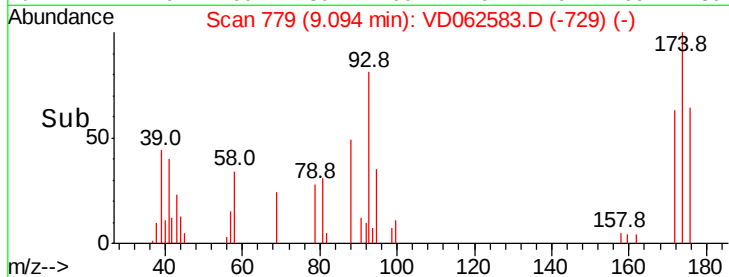
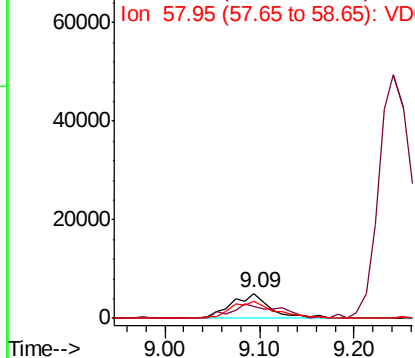
#49
 1,4-Dioxane
 Concen: 462.715 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBSD01

Tot Ion: 88 Resp: 14151
 Ion Ratio Lower Upper
 88 100
 43 47.3 37.1 55.7
 58 68.6 39.3 58.9#

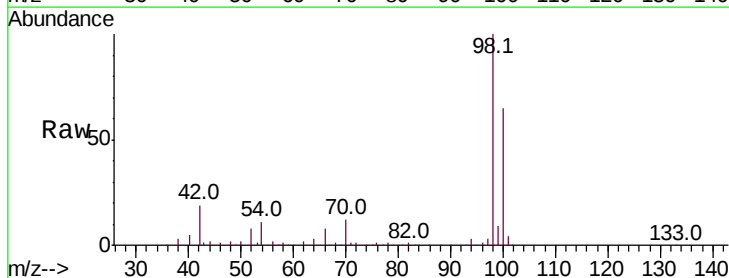


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

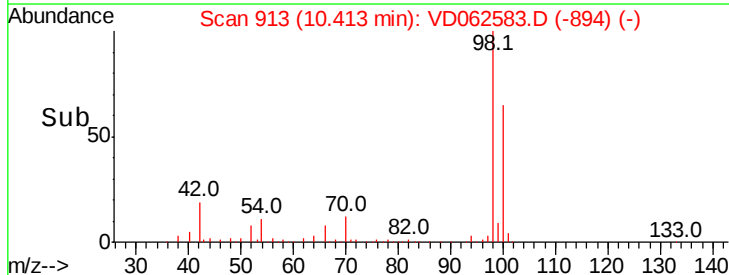
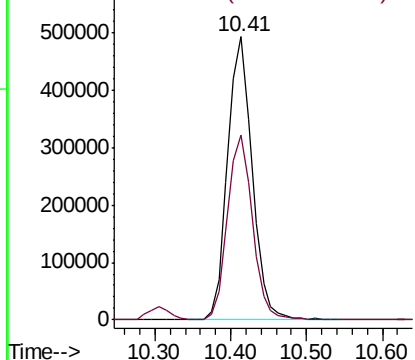


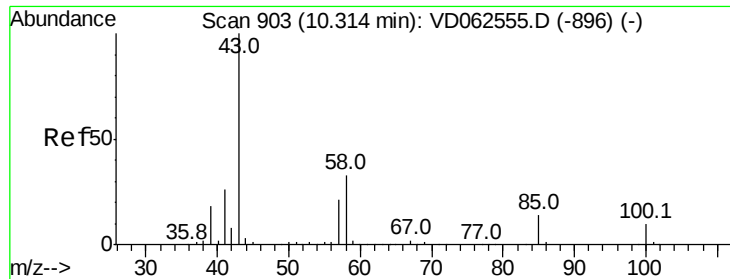
#50
 Toluene-d8
 Concen: 51.239 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Tgt Ion: 98 Resp: 1107198
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.3 78.5



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: 108.665 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

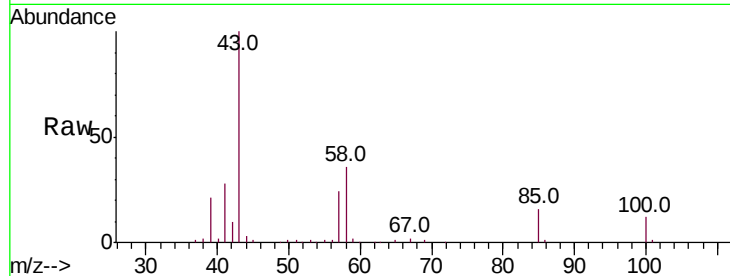
VD0603SBSD01

Tot Ion: 43 Resp: 428575

Ion Ratio Lower Upper

43 100

58 35.6 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

200000

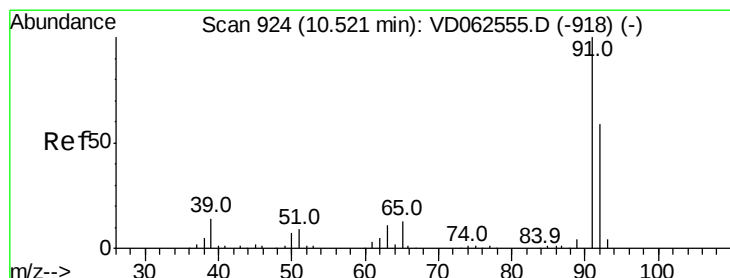
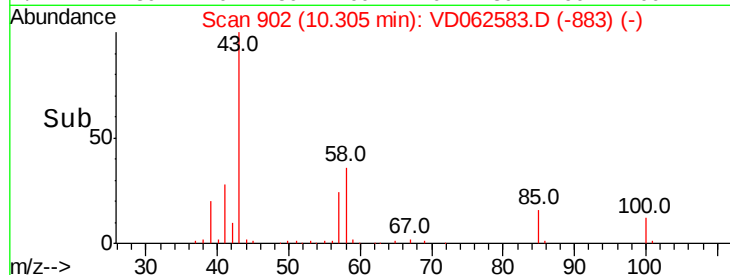
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.523 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062583.D

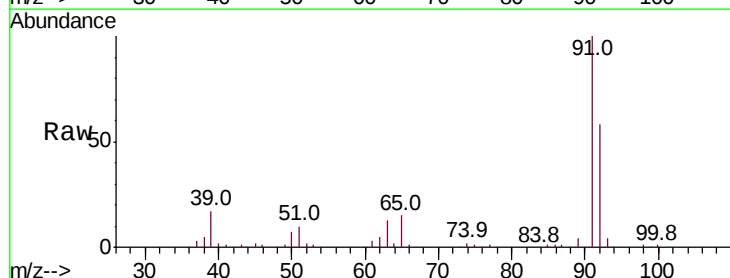
Acq: 3 Jun 2019 14:08

Tgt Ion: 92 Resp: 295977

Ion Ratio Lower Upper

92 100

91 173.2 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

250000

200000

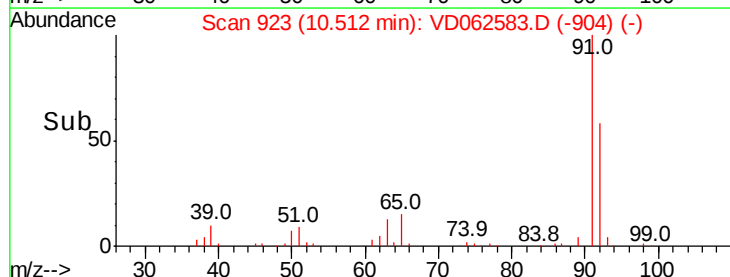
150000

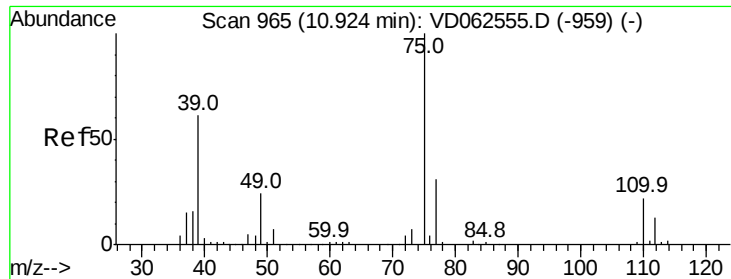
100000

50000

0

Time-->

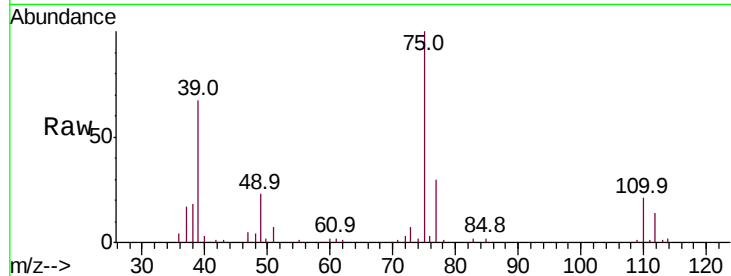




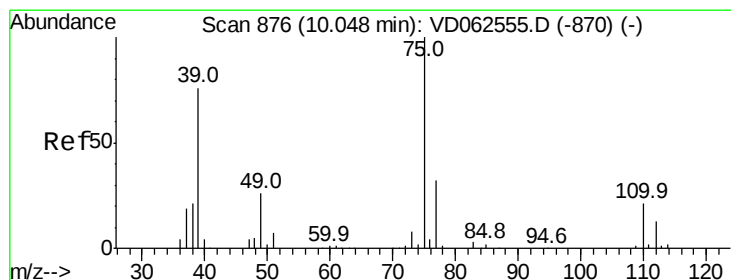
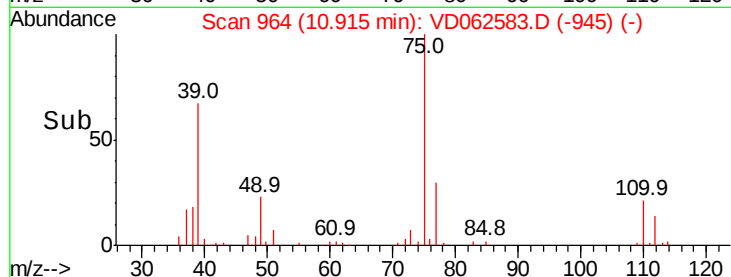
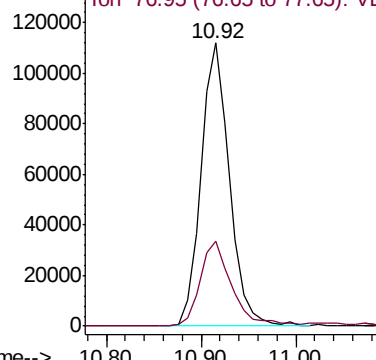
#53
 t-1,3-Dichloropropene
 Concen: 22.841 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBSD01

Tot Ion: 75 Resp: 231541
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.5 36.7

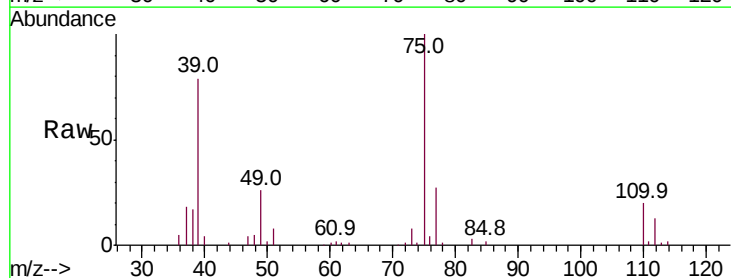


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

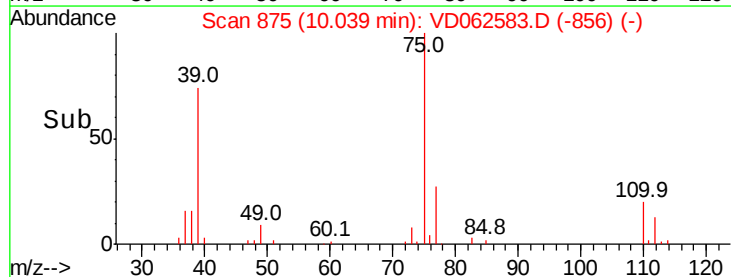
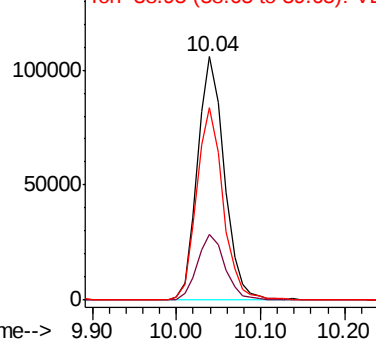


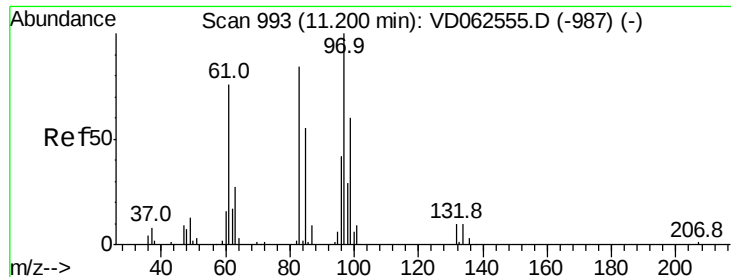
#54
 cis-1,3-Dichloropropene
 Concen: 22.325 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Tgt Ion: 75 Resp: 235277
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.7 38.5
 39 78.9 61.0 91.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC

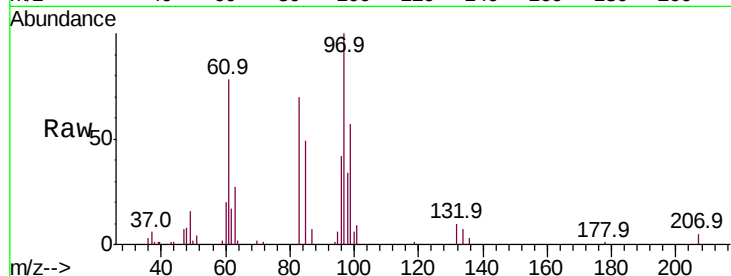




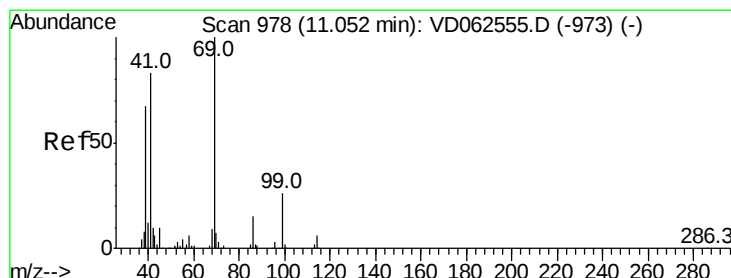
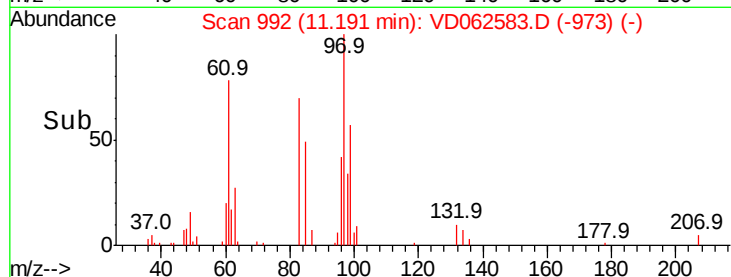
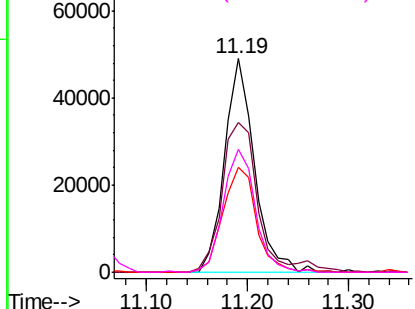
#55
1,1,2-Trichloroethane
Concen: 21.228 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

Tot Ion: 97 Resp: 100521
Ion Ratio Lower Upper
97 100
83 70.0 67.3 100.9
85 49.2 43.8 65.8
99 57.4 48.2 72.2

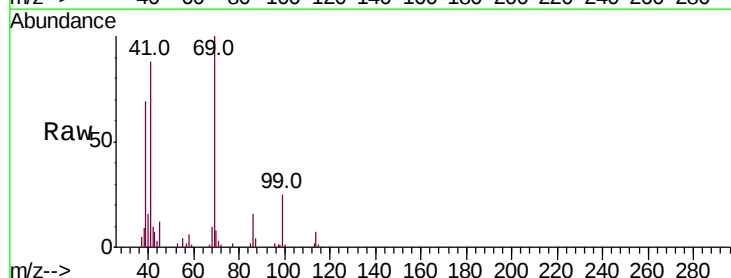


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

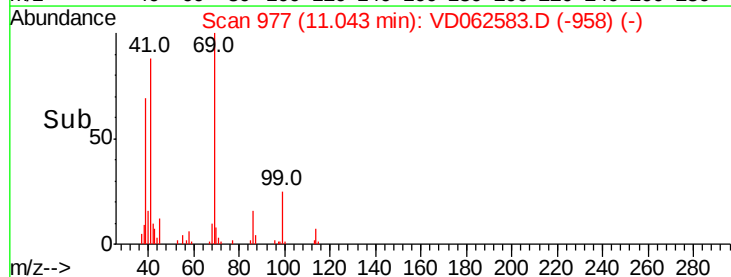
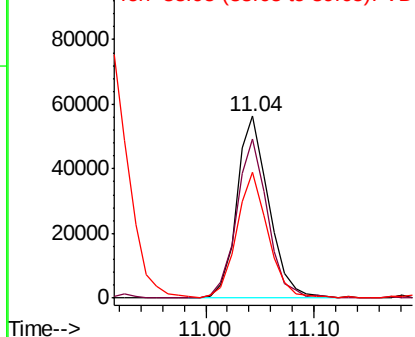


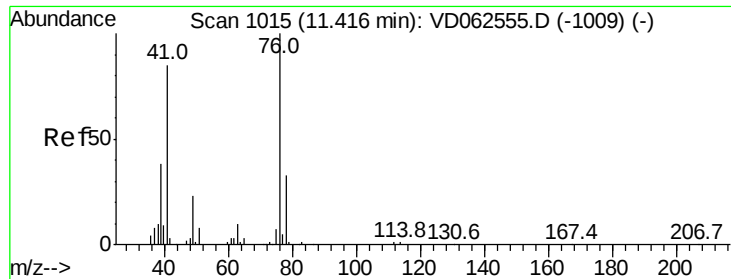
#56
Ethyl methacrylate
Concen: 22.816 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 69 Resp: 115158
Ion Ratio Lower Upper
69 100
41 87.6 66.1 99.1
39 69.3 54.2 81.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.297 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

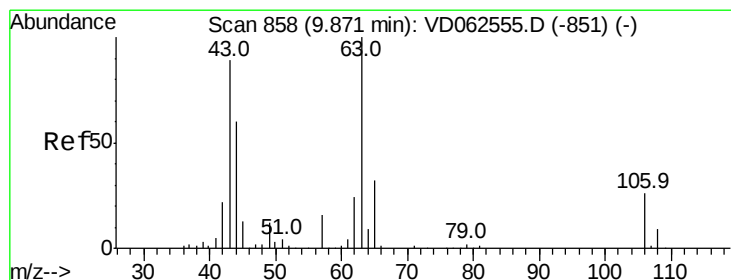
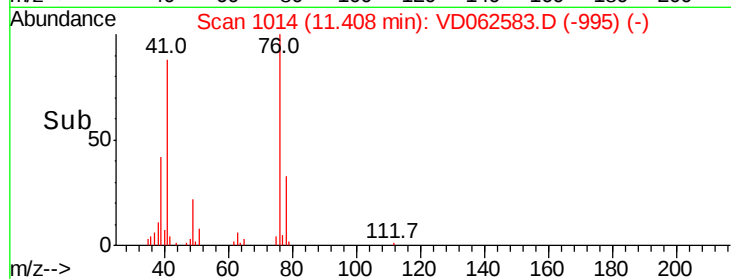
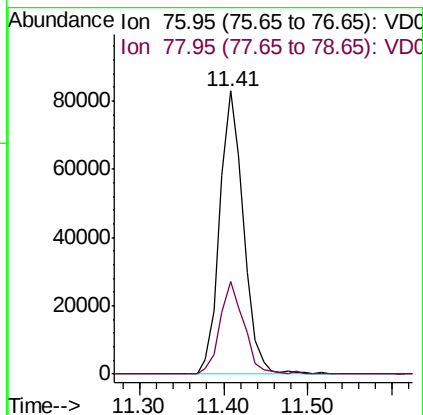
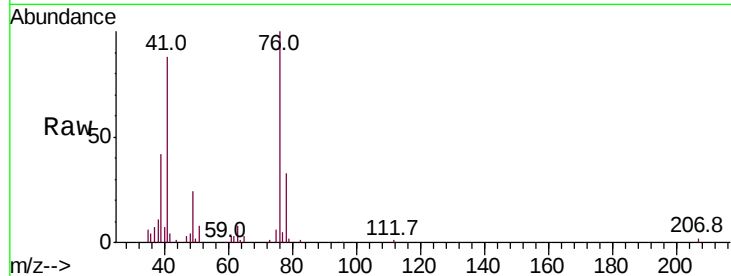
VD0603SBSD01

Tot Ion: 76 Resp: 162765

Ion Ratio Lower Upper

76 100

78 32.9 26.7 40.1



#58

2-Chloroethyl Vinyl ether

Concen: 129.613 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062583.D

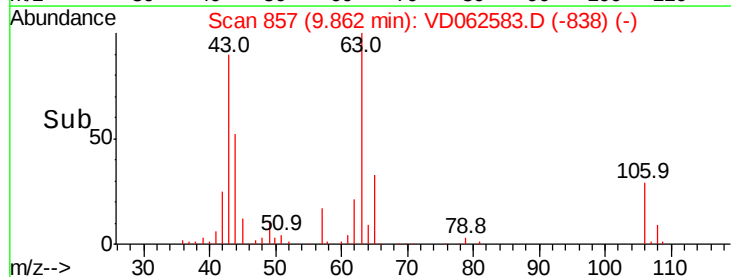
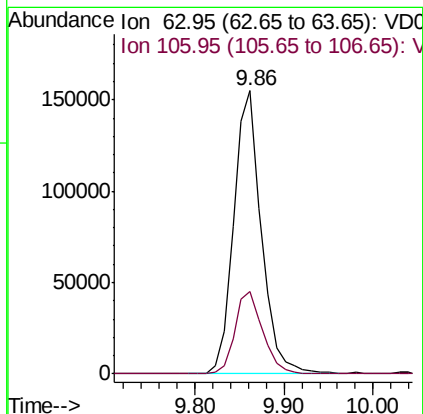
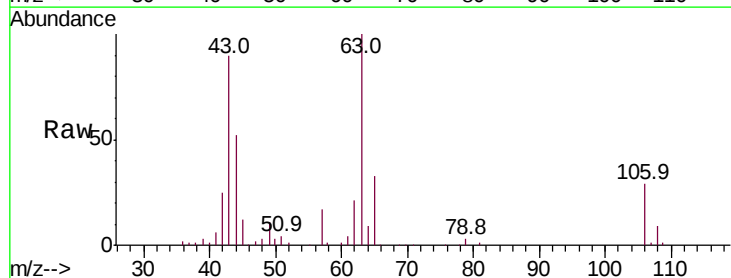
Acq: 3 Jun 2019 14:08

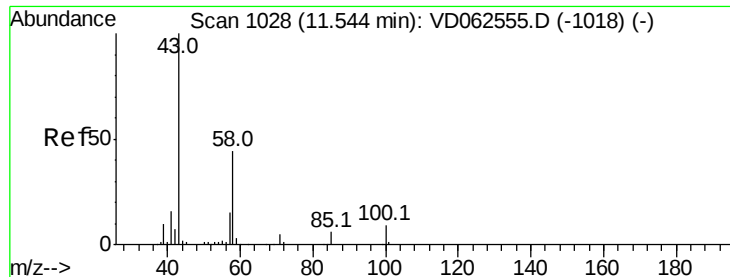
Tgt Ion: 63 Resp: 335507

Ion Ratio Lower Upper

63 100

106 29.2 21.0 31.4

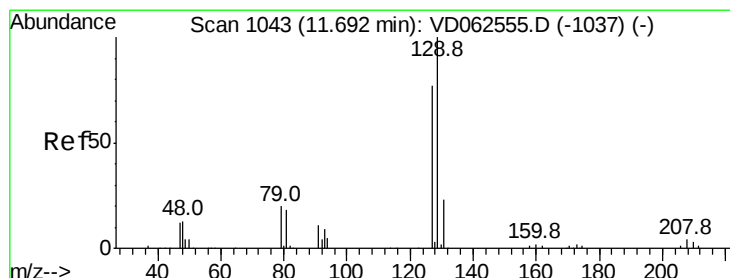
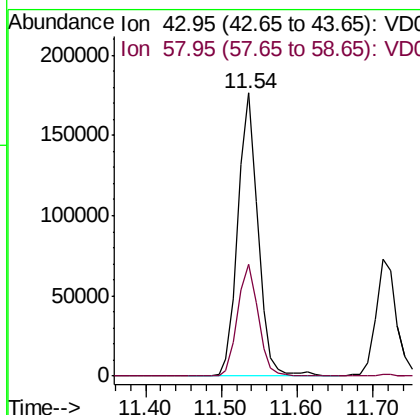
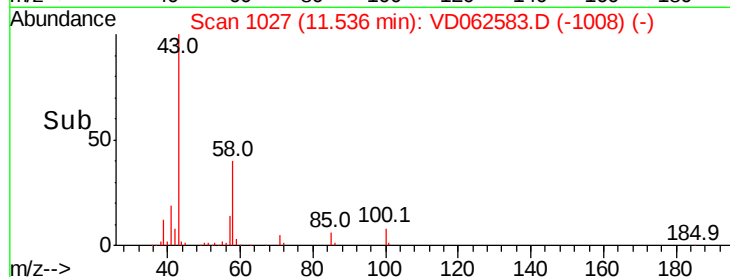
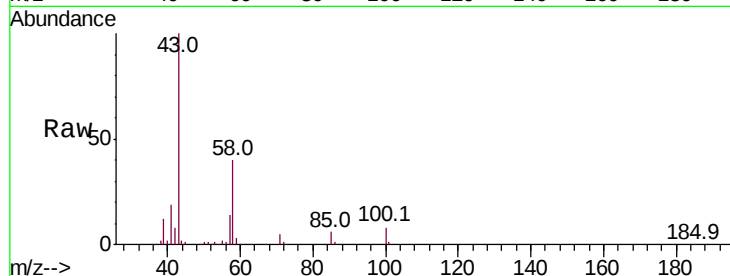




#59
2-Hexanone
Concen: 116.113 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

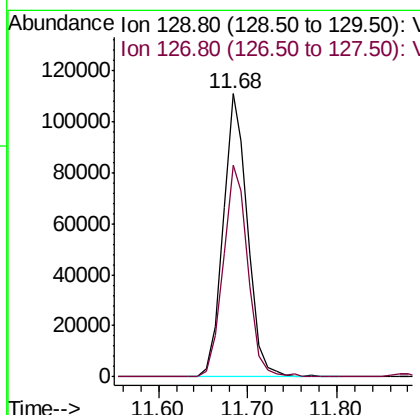
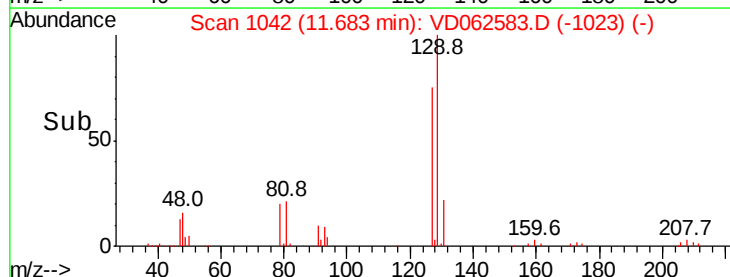
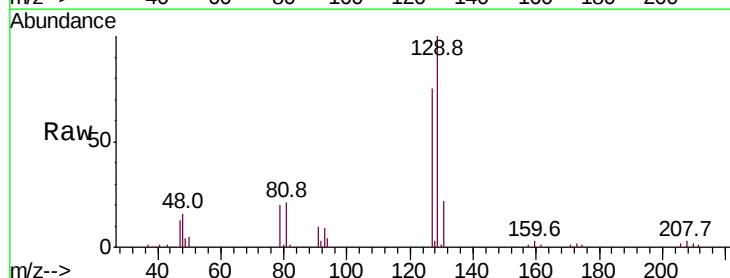
Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

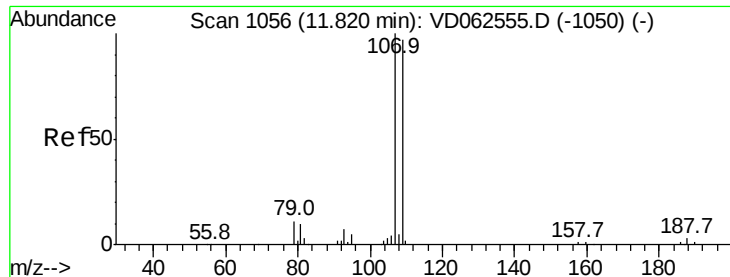
Tot Ion: 43 Resp: 321216
Ion Ratio Lower Upper
43 100
58 39.7 22.0 66.0



#60
Dibromochloromethane
Concen: 23.145 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 129 Resp: 212989
Ion Ratio Lower Upper
129 100
127 74.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 22.682 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

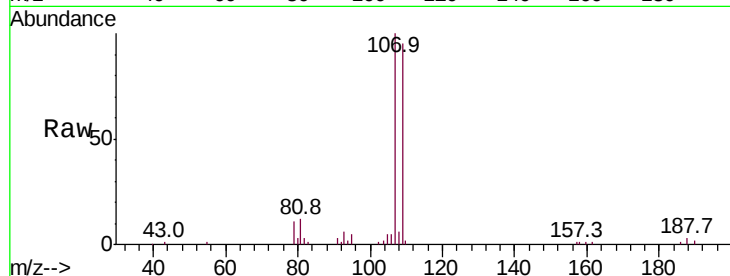
VD0603SBSD01

Tot Ion:107 Resp: 129209

Ion Ratio Lower Upper

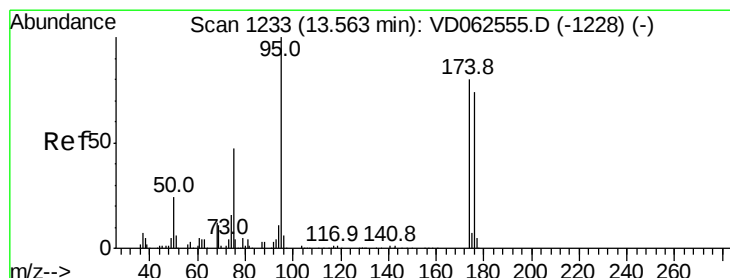
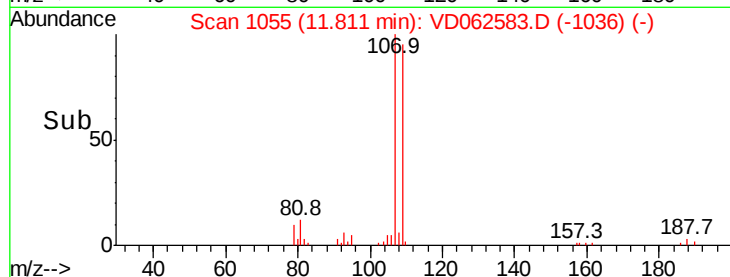
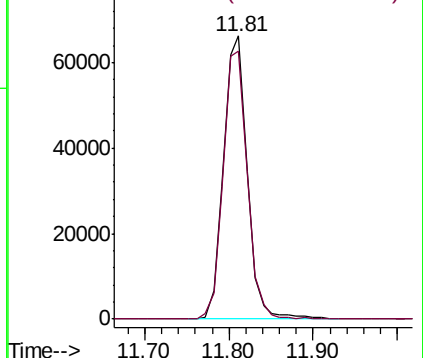
107 100

109 94.5 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.786 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

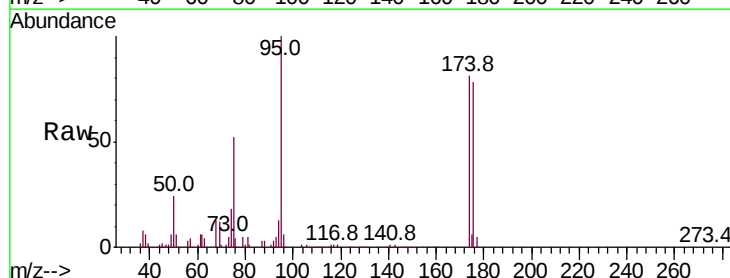
Tgt Ion: 95 Resp: 524145

Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.2

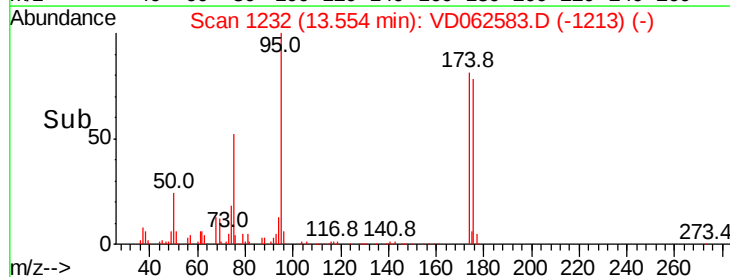
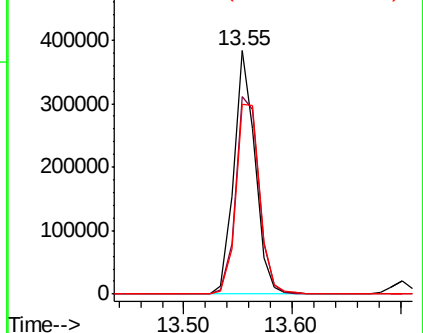
176 78.2 0.0 148.0

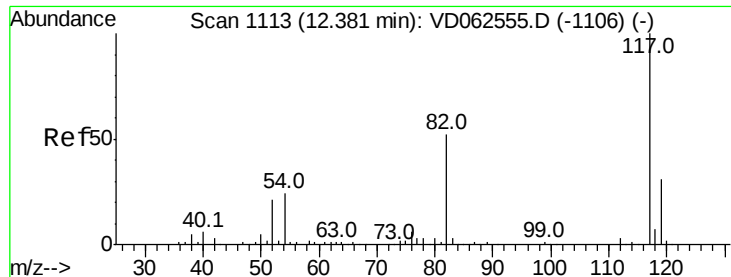


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

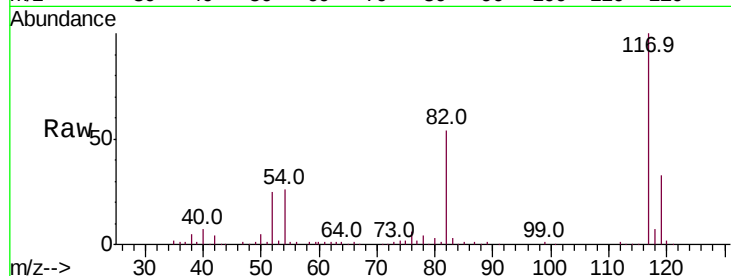




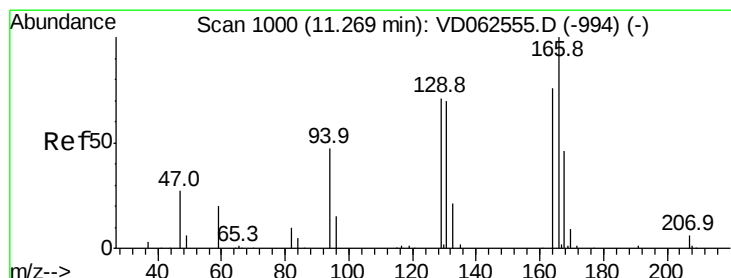
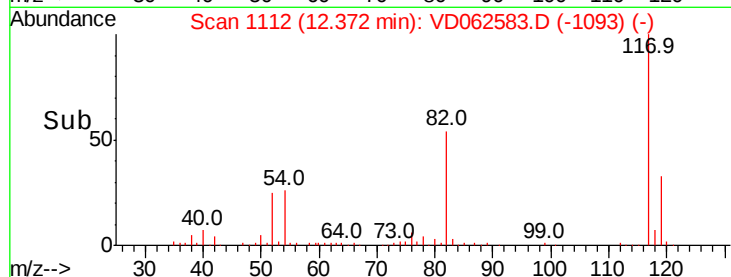
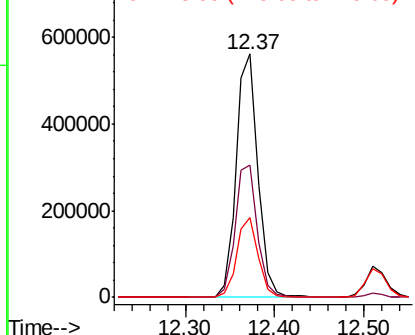
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

Tot Ion:117 Resp: 959153
Ion Ratio Lower Upper
117 100
82 54.3 41.4 62.2
119 32.7 24.9 37.3

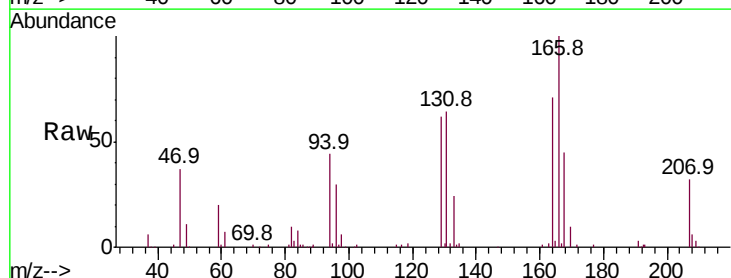


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

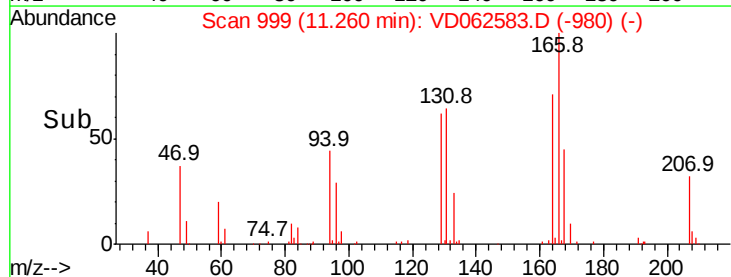
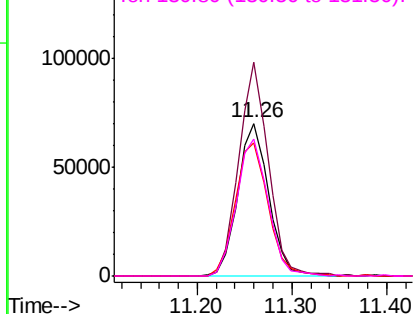


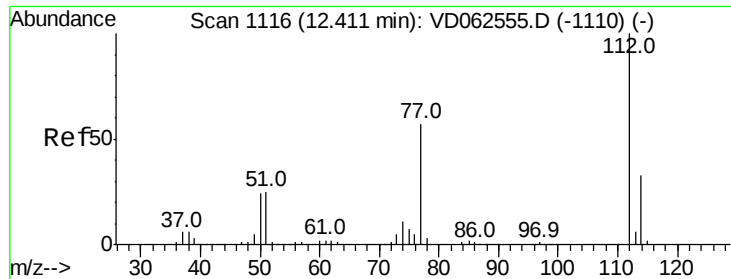
#64
Tetrachloroethene
Concen: 18.667 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion:164 Resp: 158277
Ion Ratio Lower Upper
164 100
166 140.2 105.3 157.9
129 87.4 75.3 112.9
131 90.3 73.3 109.9



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

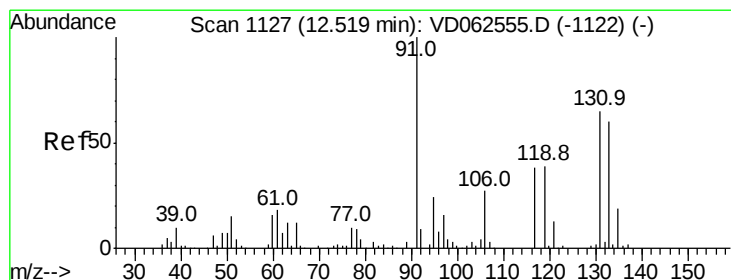
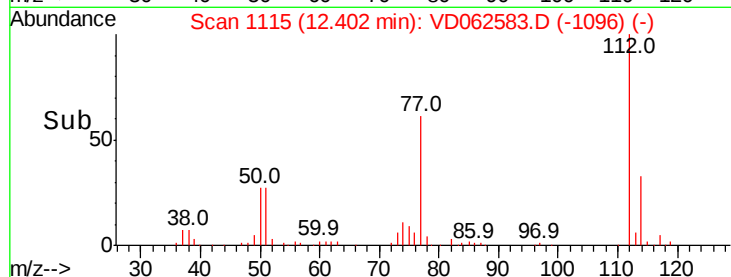
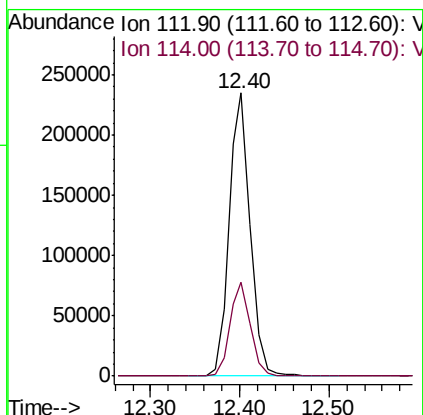
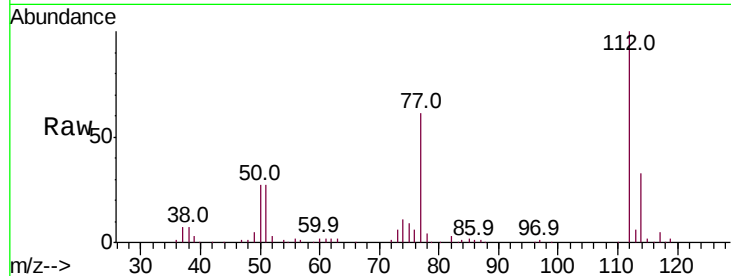




#65
Chlorobenzene
Concen: 20.933 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

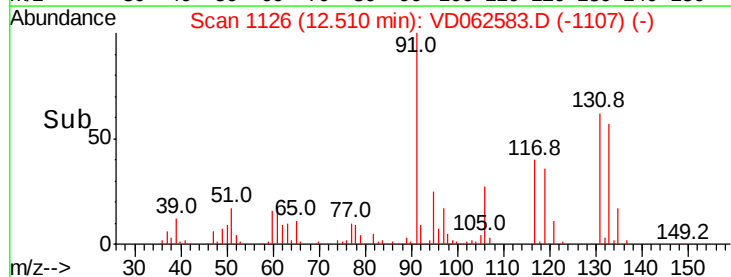
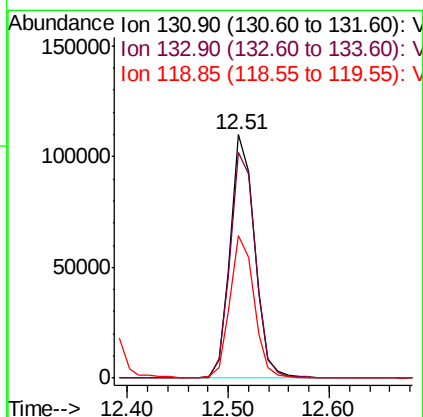
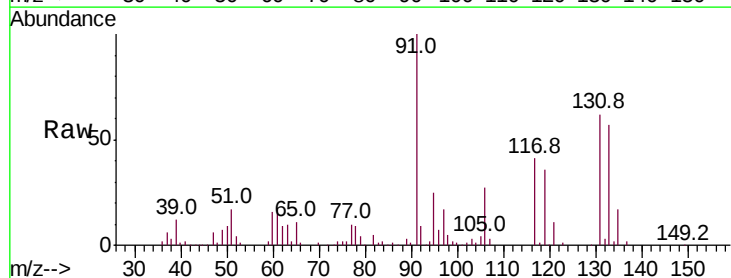
Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

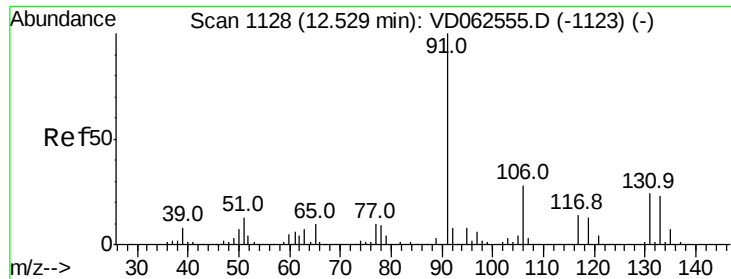
Tot Ion:112 Resp: 391140
Ion Ratio Lower Upper
112 100
114 33.4 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.805 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion:131 Resp: 183848
Ion Ratio Lower Upper
131 100
133 92.9 46.2 138.6
119 58.7 29.5 88.6

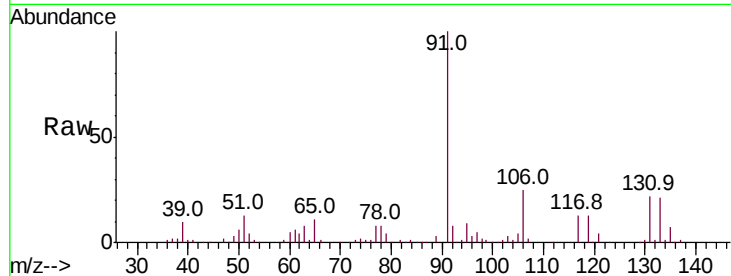




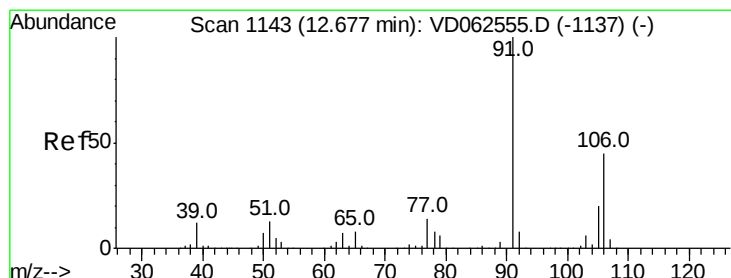
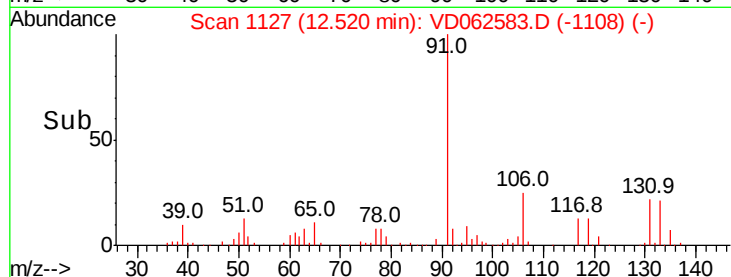
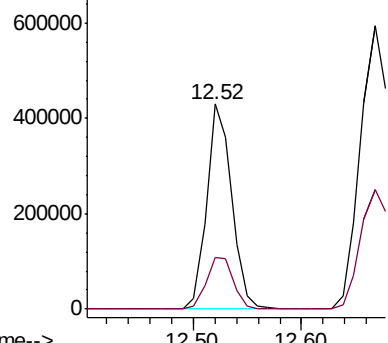
#67
Ethvl Benzene
Concen: 20.169 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

Tot Ion: 91 Resp: 690490
Ion Ratio Lower Upper
91 100
106 25.2 22.2 33.2

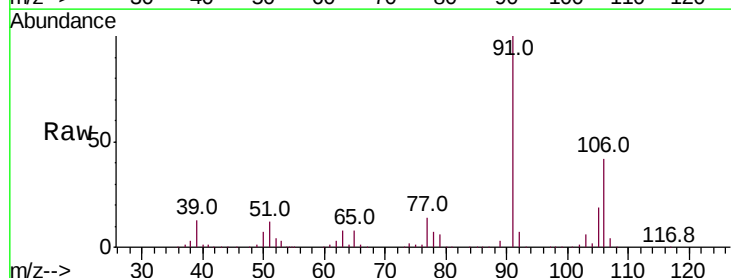


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

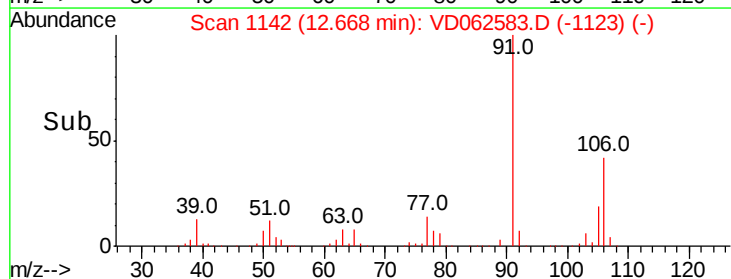
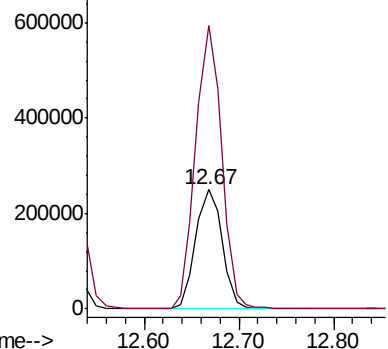


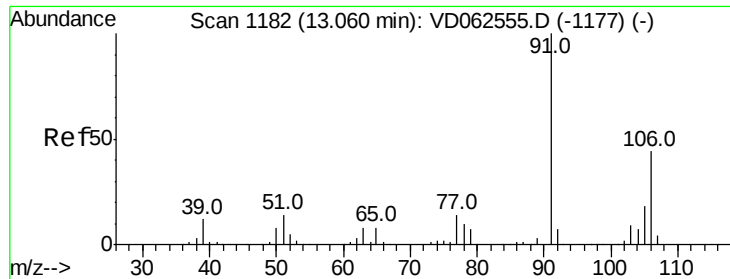
#68
m/p-Xylenes
Concen: 41.211 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion:106 Resp: 488057
Ion Ratio Lower Upper
106 100
91 237.0 178.9 268.3



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

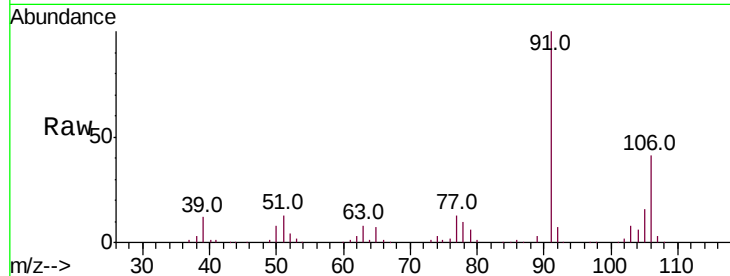




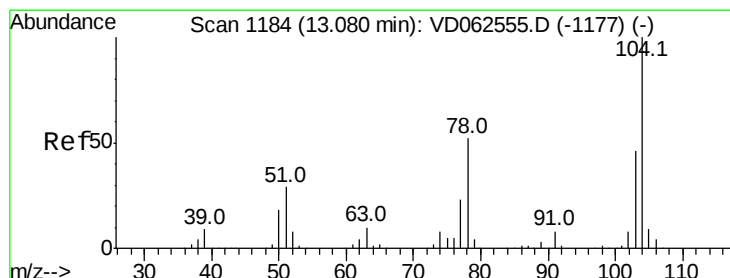
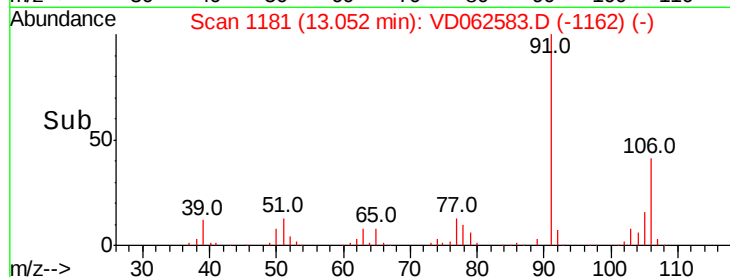
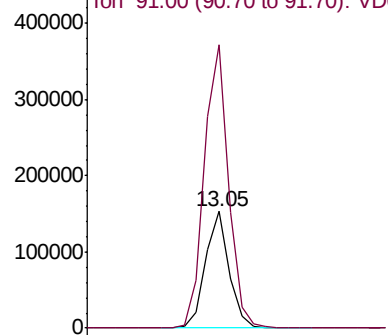
#69
o-Xylene
Concen: 19.022 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

Tot Ion:106 Resp: 214897
Ion Ratio Lower Upper
106 100
91 242.3 113.9 341.8

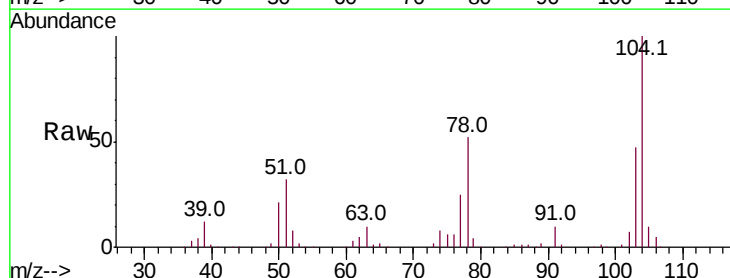


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

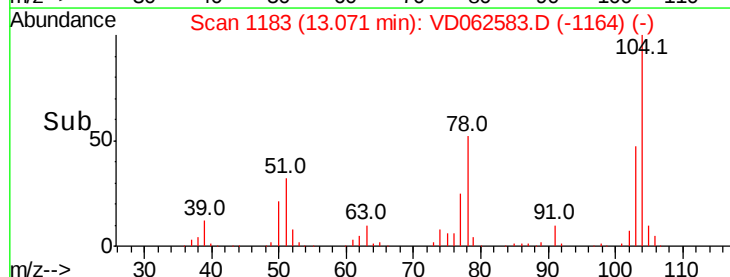
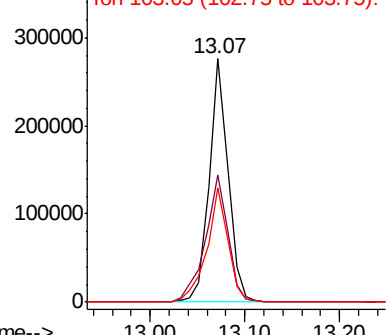


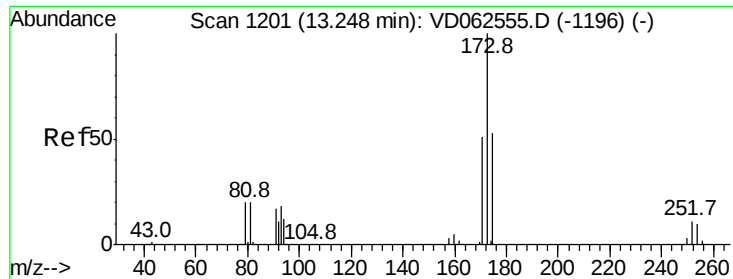
#70
Styrene
Concen: 20.094 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion:104 Resp: 385443
Ion Ratio Lower Upper
104 100
78 52.5 41.5 62.3
103 47.0 36.6 55.0



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





#71

Bromoform

Concen: 19.876 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

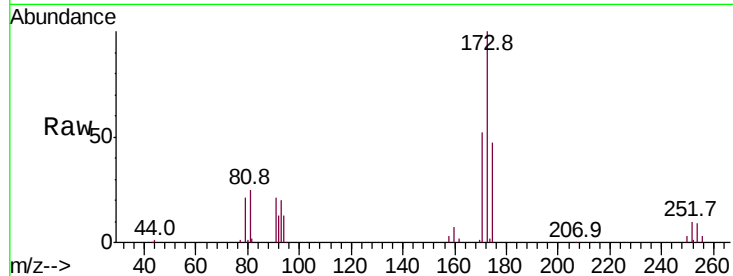
Tot Ion:173 Resp: 123299

Ion Ratio Lower Upper

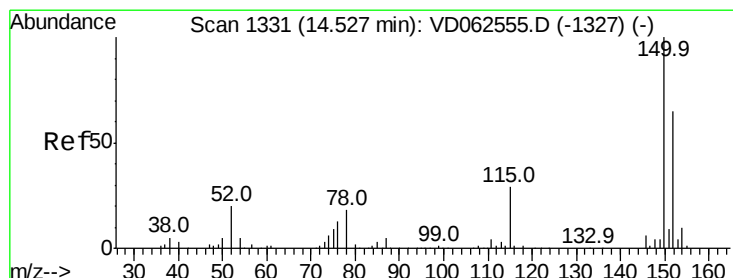
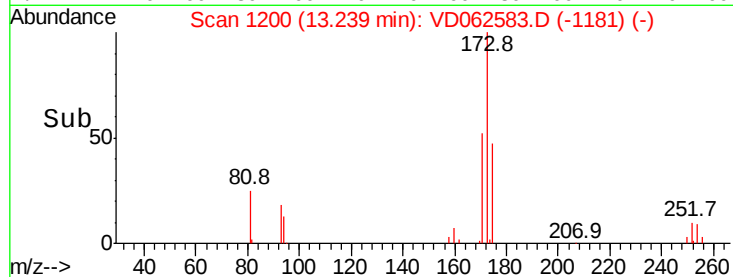
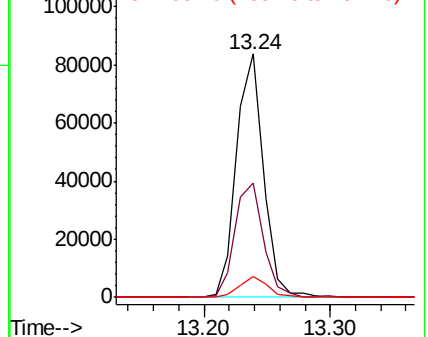
173 100

175 47.1 26.6 79.7

254 8.8 8.1 12.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

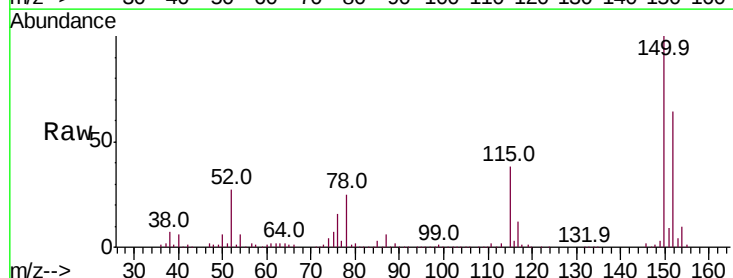
Tgt Ion:152 Resp: 529746

Ion Ratio Lower Upper

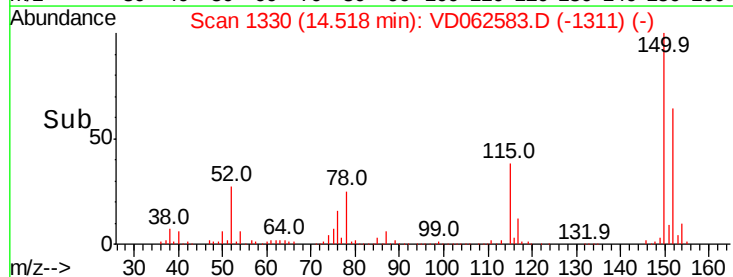
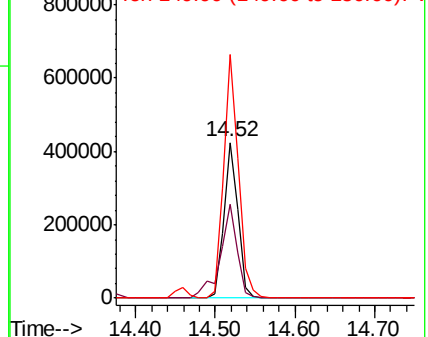
152 100

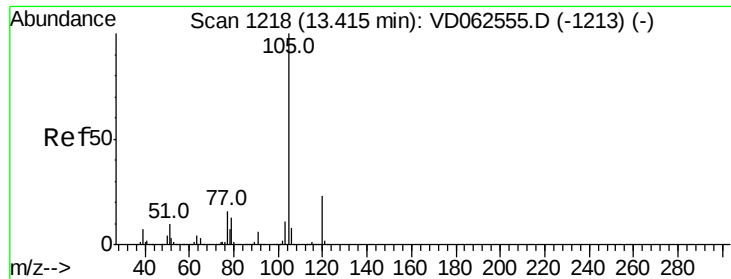
115 60.2 28.4 85.3

150 156.5 0.0 310.4



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





#73

Isopropylbenzene

Concen: 19.871 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

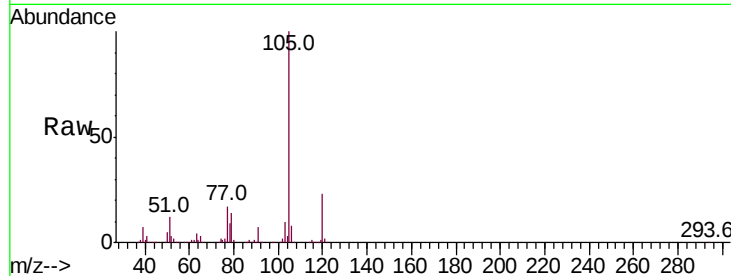
VD0603SBS01

Tot Ion:105 Resp: 693983

Ion Ratio Lower Upper

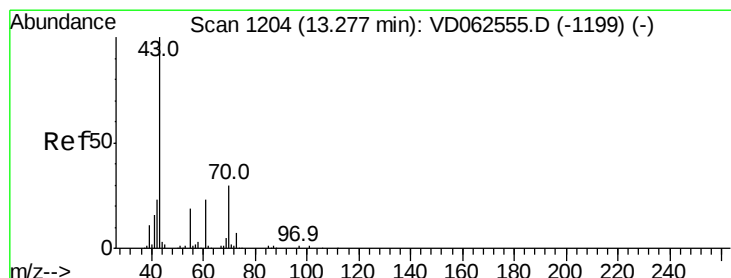
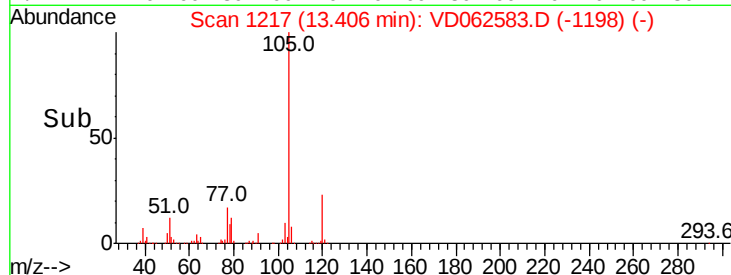
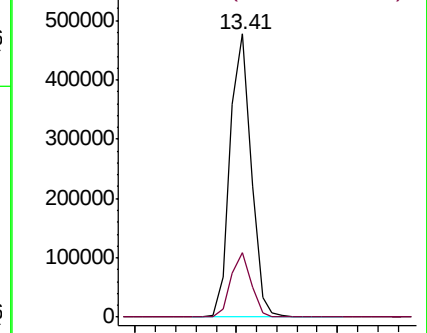
105 100

120 22.6 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.975 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Tgt Ion: 43 Resp: 186778

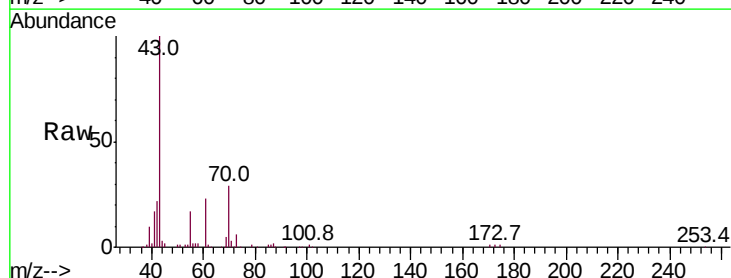
Ion Ratio Lower Upper

43 100

70 29.3 23.7 35.5

55 16.8 15.0 22.4

61 23.4 18.4 27.6

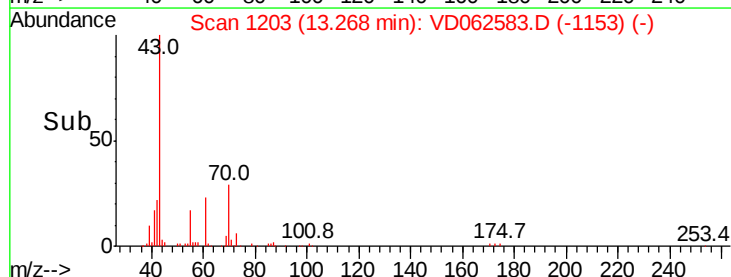
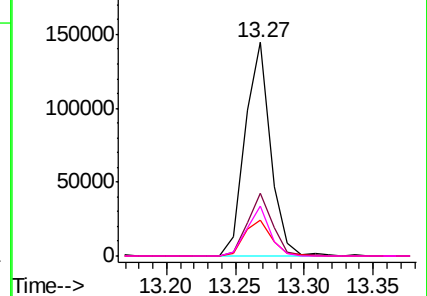


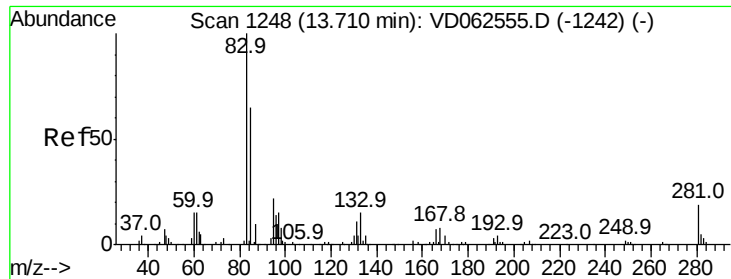
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.599 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

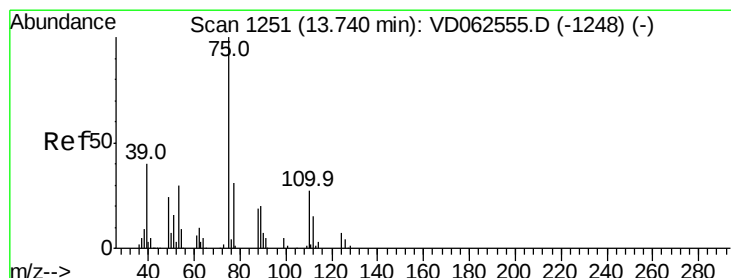
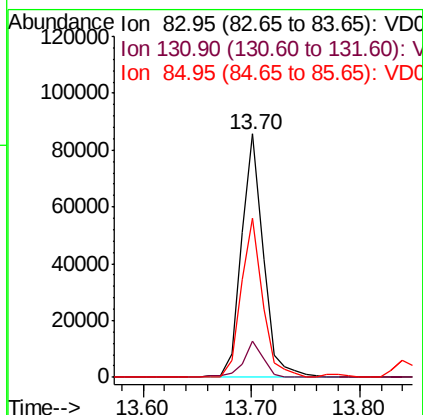
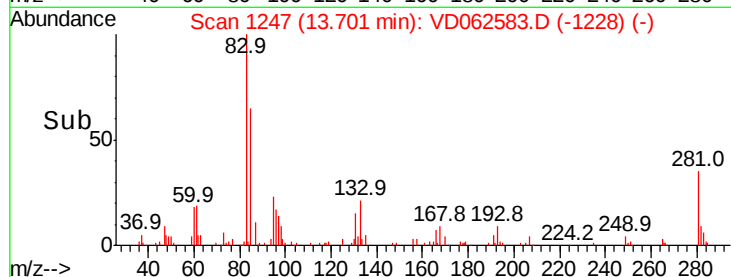
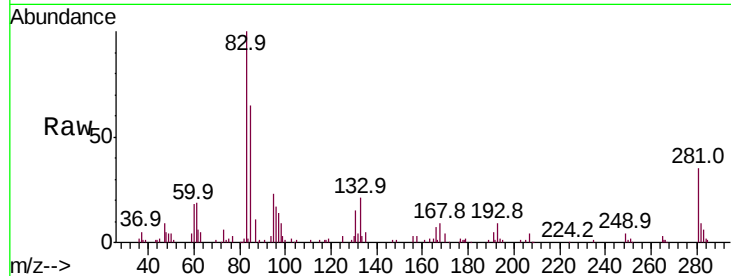
Tot Ion: 83 Resp: 119630

Ion Ratio Lower Upper

83 100

131 14.7 5.7 17.1

85 65.2 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 22.148 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062583.D

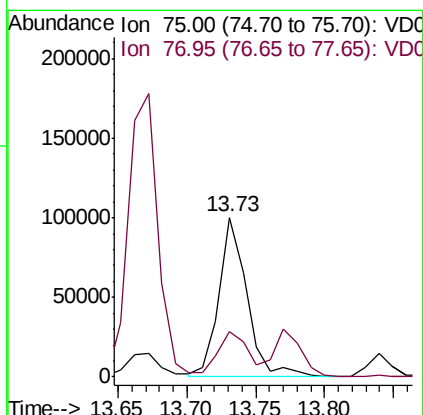
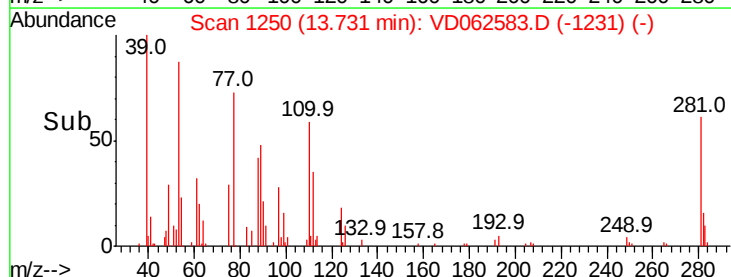
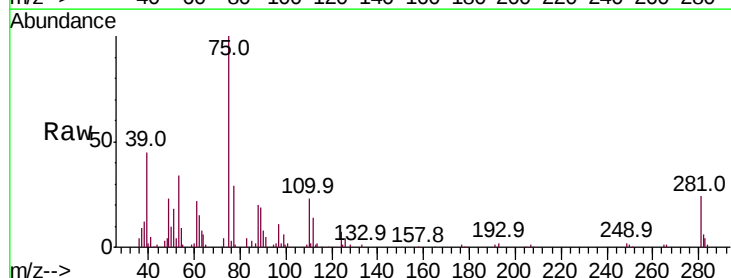
Acq: 3 Jun 2019 14:08

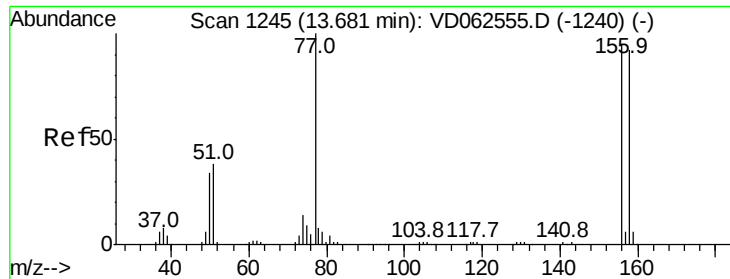
Tgt Ion: 75 Resp: 140762

Ion Ratio Lower Upper

75 100

77 28.7 16.5 49.5

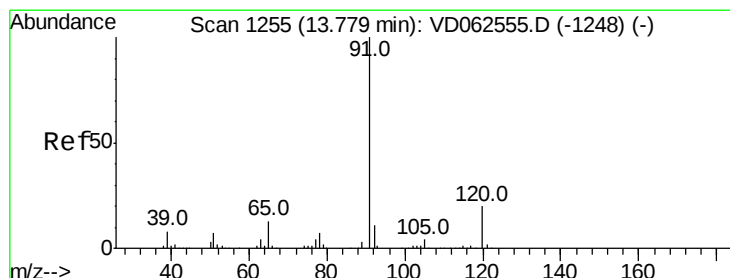
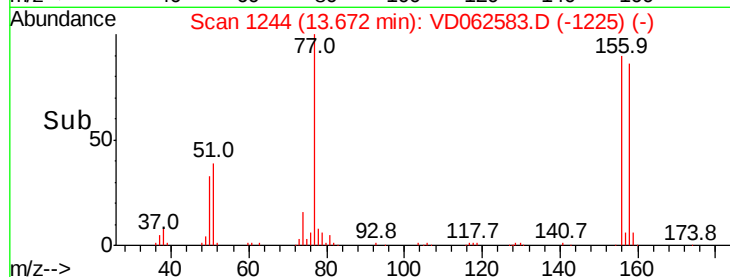
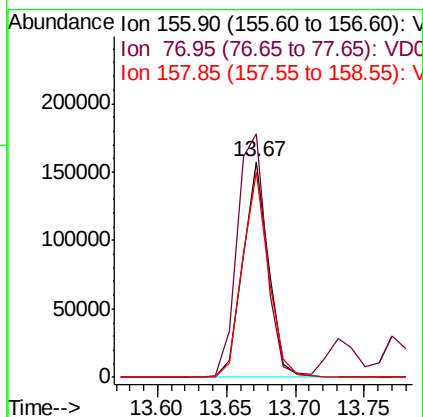
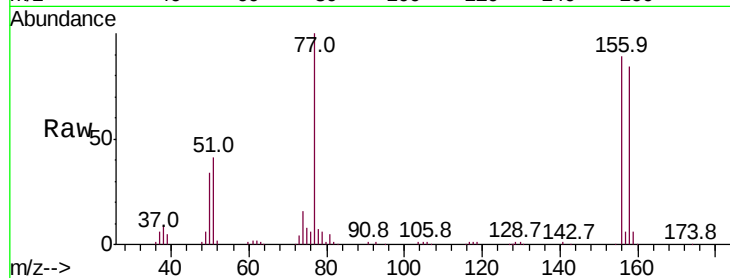




#77
Bromobenzene
Concen: 21.278 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

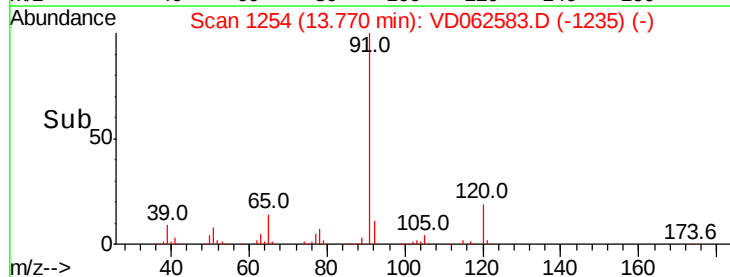
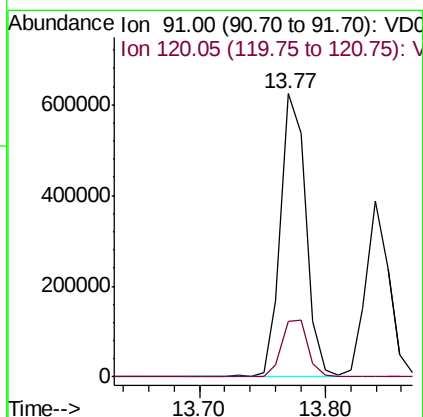
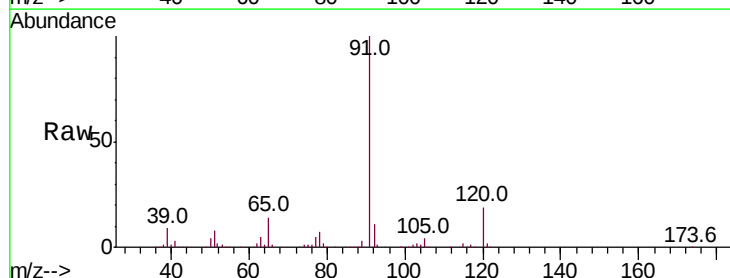
Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

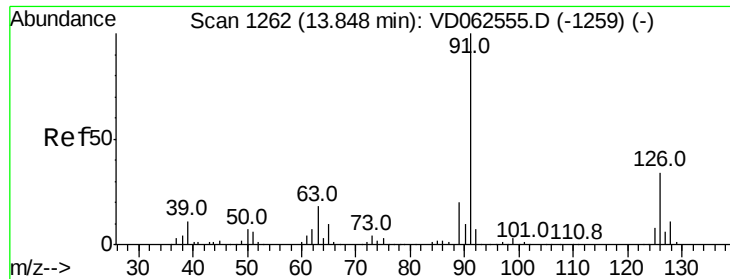
Tot Ion:156 Resp: 203750
Ion Ratio Lower Upper
156 100
77 112.8 52.9 158.7
158 95.2 48.5 145.5



#78
n-propylbenzene
Concen: 21.878 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 91 Resp: 880700
Ion Ratio Lower Upper
91 100
120 19.5 10.0 29.8

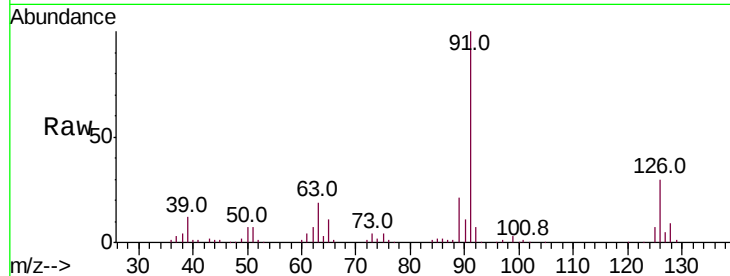




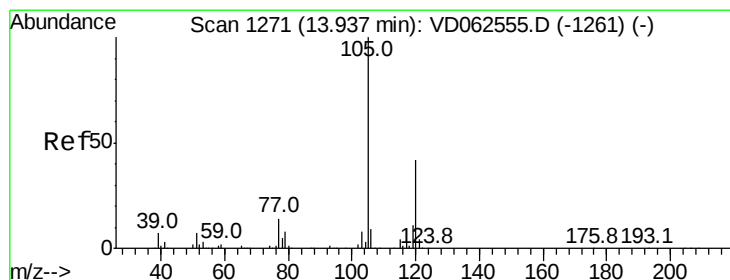
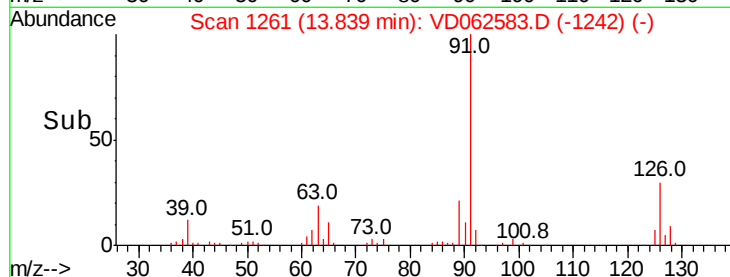
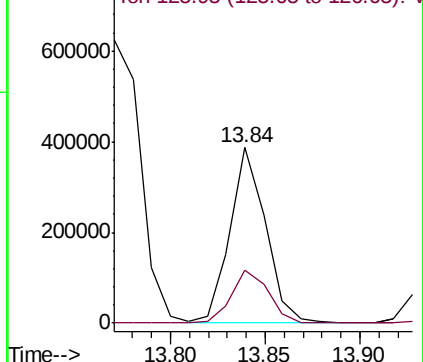
#79
2-Chlorotoluene
Concen: 21.541 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

Tot Ion: 91 Resp: 502806
Ion Ratio Lower Upper
91 100
126 30.3 16.7 50.1

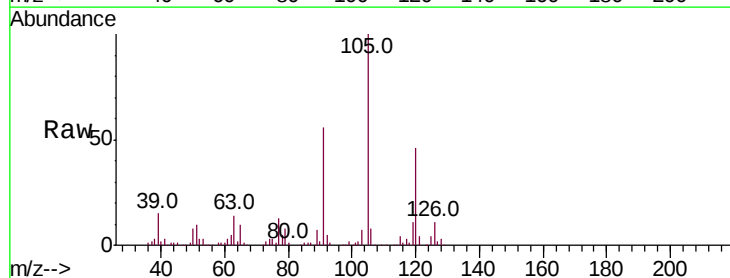


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

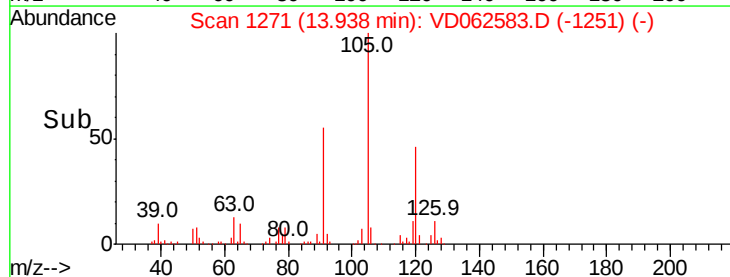
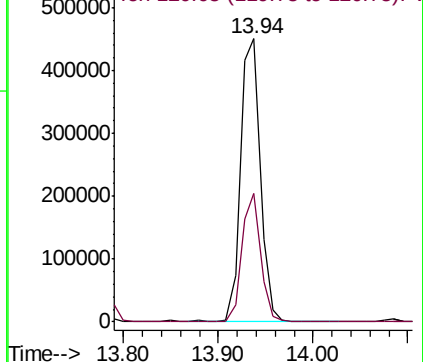


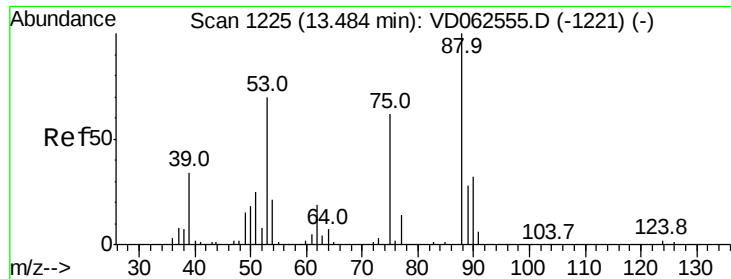
#80
1,3,5-Trimethylbenzene
Concen: 21.885 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion:105 Resp: 653101
Ion Ratio Lower Upper
105 100
120 45.5 20.8 62.5



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

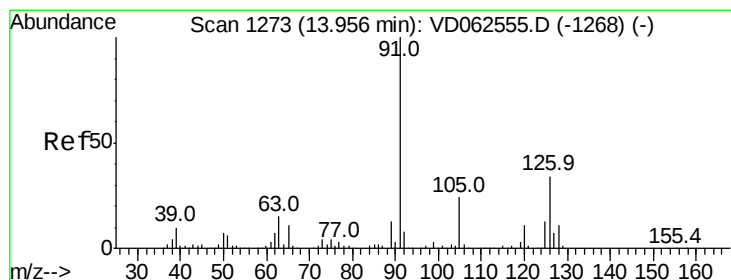
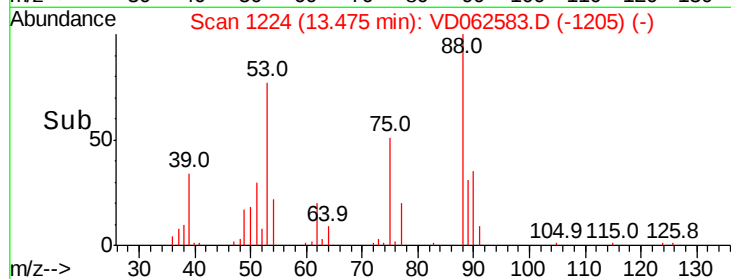
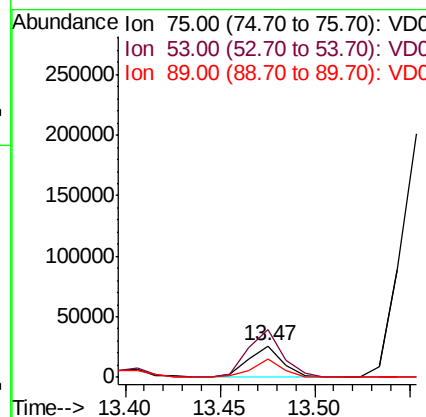
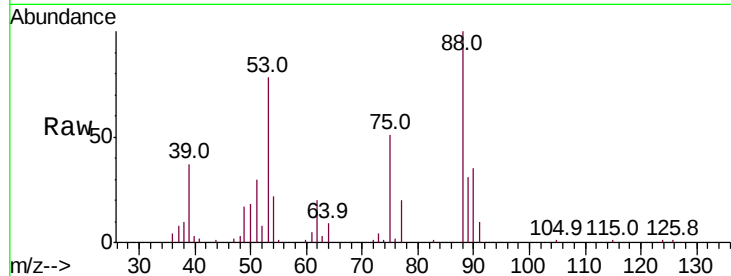




#81
trans-1,4-Dichloro-2-butene
Concen: 17.849 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

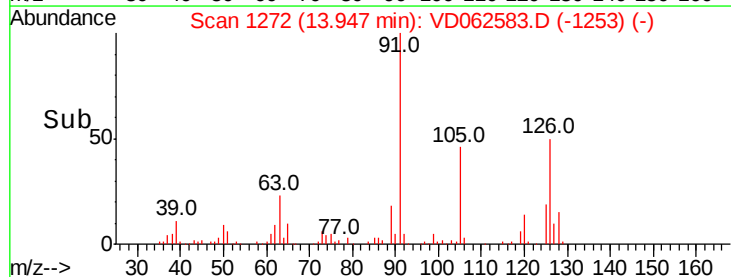
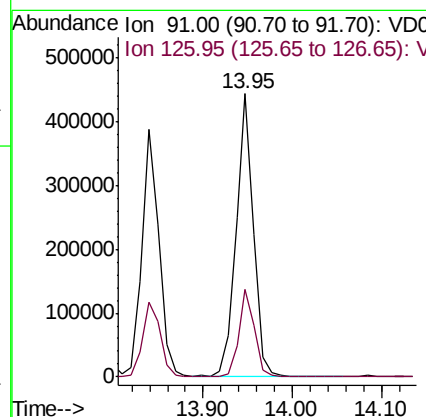
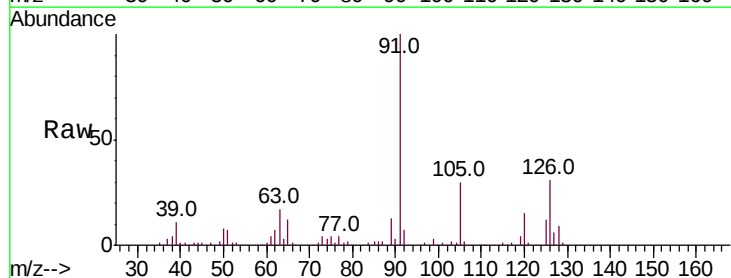
Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

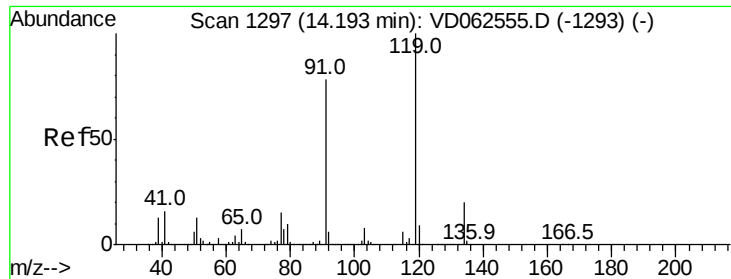
Tot Ion: 75 Resp: 32505
Ion Ratio Lower Upper
75 100
53 151.9 91.0 136.4#
89 60.3 36.9 55.3#



#82
4-Chlorotoluene
Concen: 21.805 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 91 Resp: 609321
Ion Ratio Lower Upper
91 100
126 30.8 16.9 50.7

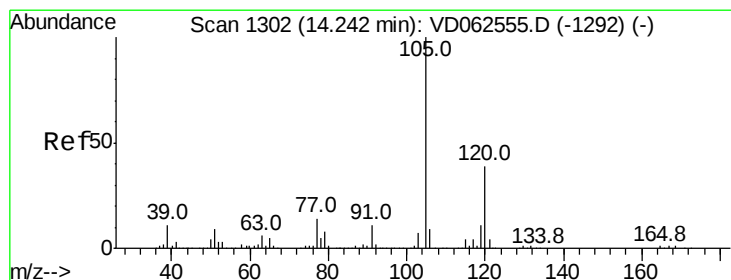
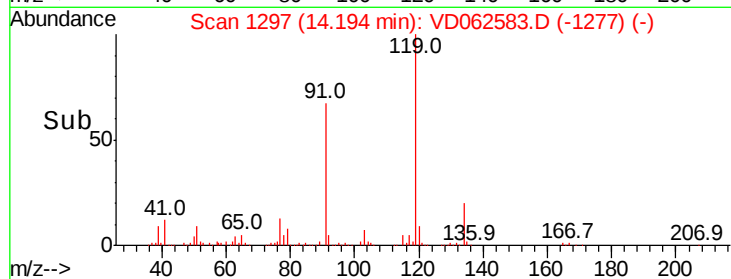
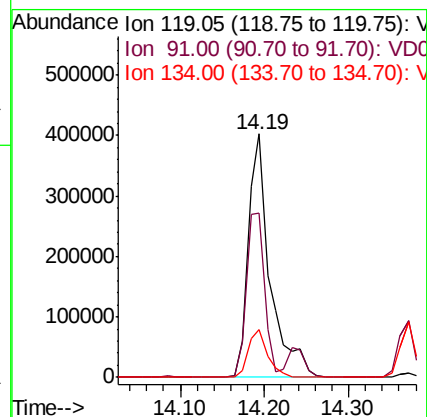
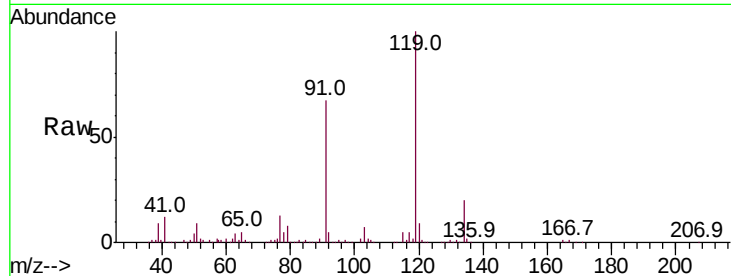




#83
 tert-Butylbenzene
 Concen: 21.573 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

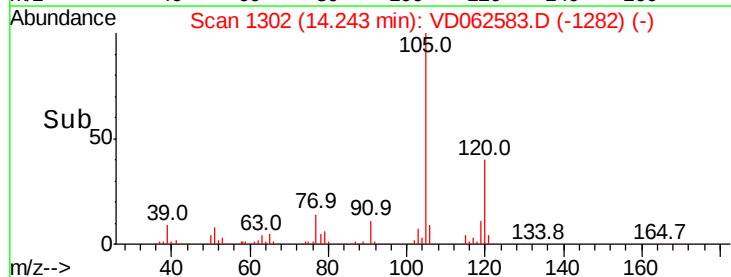
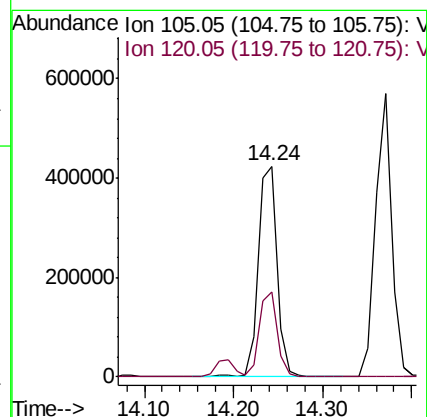
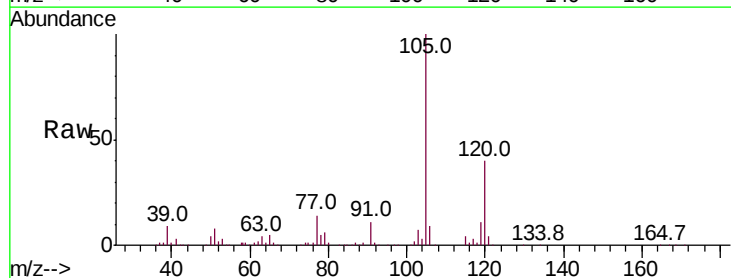
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBSD01

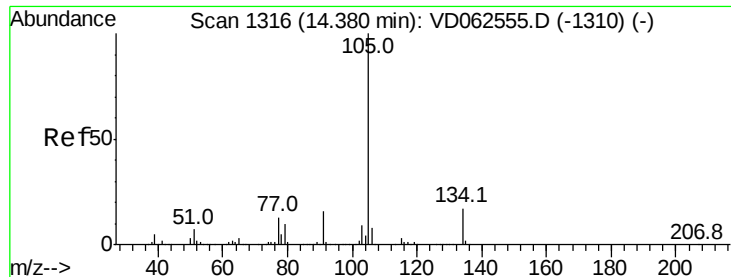
Tot Ion:119 Resp: 718377
 Ion Ratio Lower Upper
 119 100
 91 67.3 39.1 117.5
 134 19.6 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.034 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Tgt Ion:105 Resp: 609209
 Ion Ratio Lower Upper
 105 100
 120 40.1 19.6 58.8





#85

sec-Butylbenzene

Concen: 20.079 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

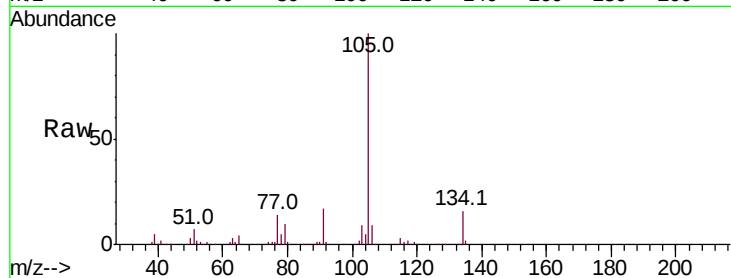
VD0603SBSD01

Tot Ion:105 Resp: 708280

Ion Ratio Lower Upper

105 100

134 16.2 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

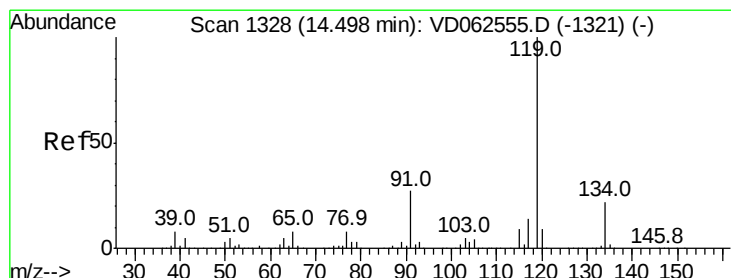
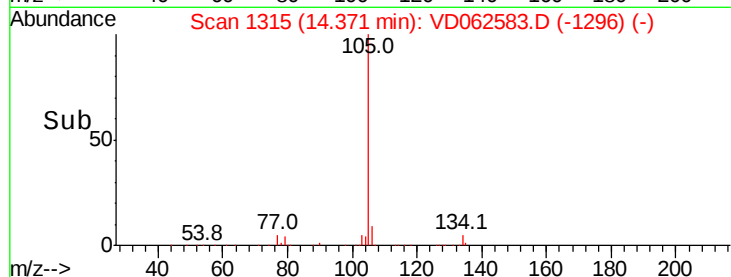
600000

400000

200000

0

Time--> 14.30 14.35 14.40 14.45



#86

p-Isopropyltoluene

Concen: 20.755 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

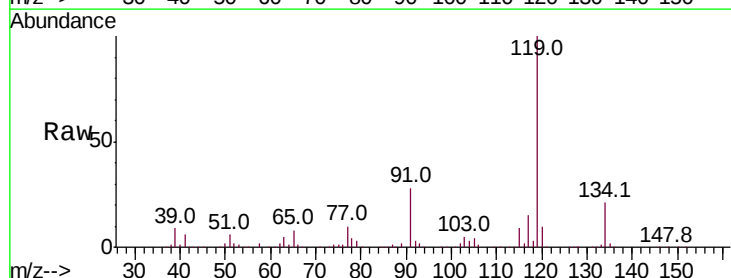
Tgt Ion:119 Resp: 684024

Ion Ratio Lower Upper

119 100

134 21.0 11.2 33.6

91 28.4 13.6 40.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.49

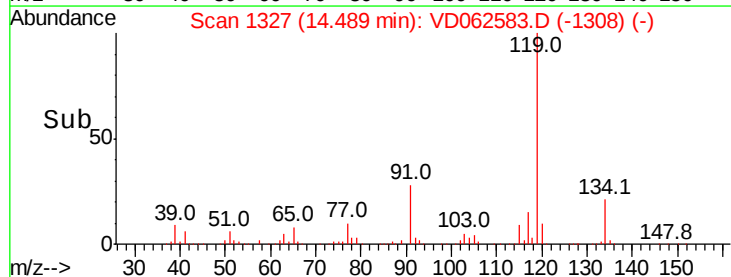
600000

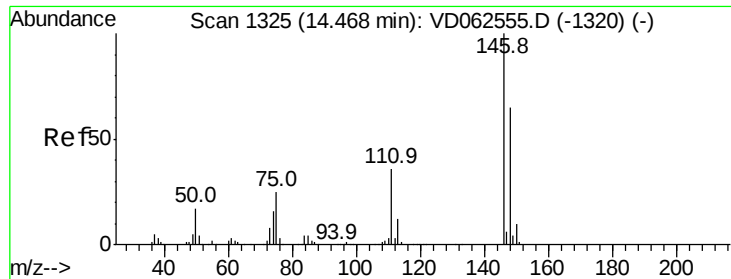
400000

200000

0

Time--> 14.40 14.50 14.60

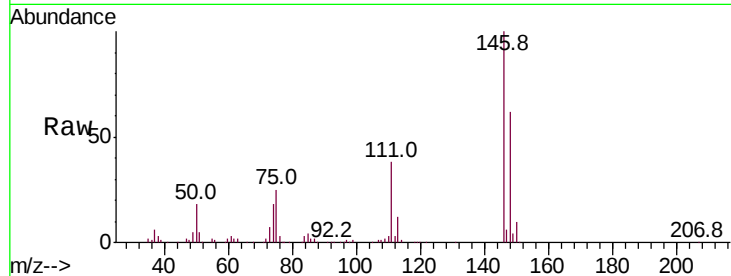




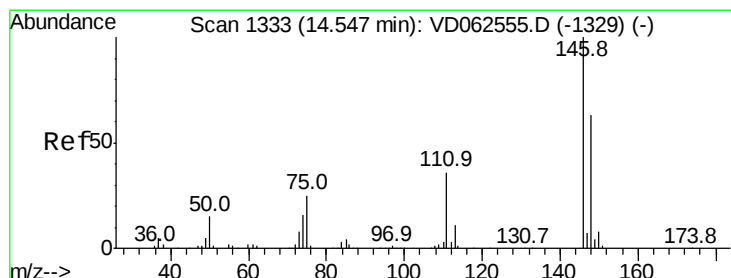
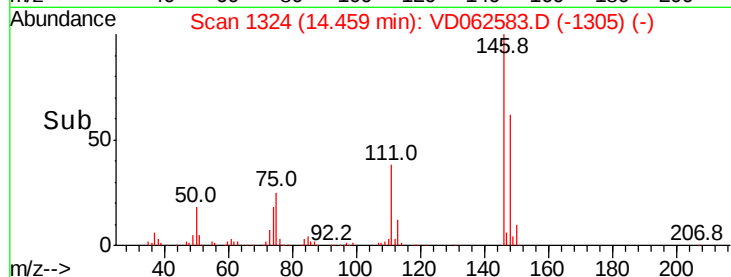
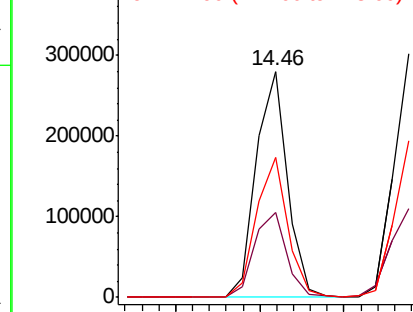
#87
 1,3-Dichlorobenzene
 Concen: 21.696 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBSD01

Tot Ion:146 Resp: 360116
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.1 54.4
 148 62.1 32.3 96.9

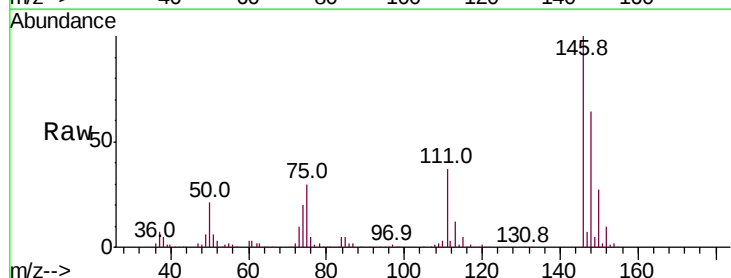


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

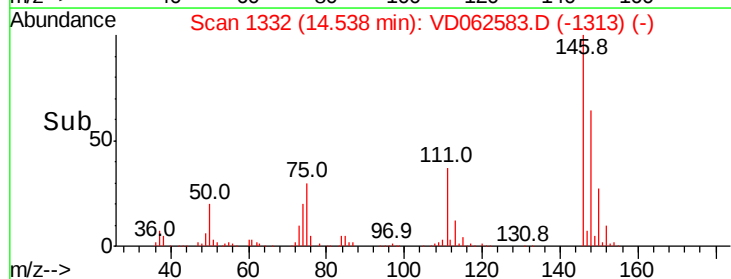
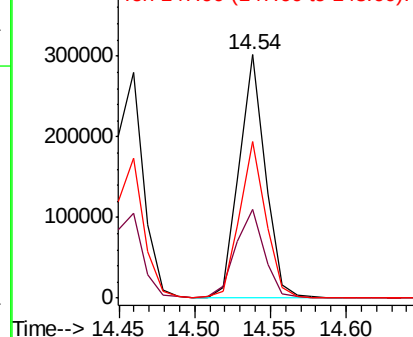


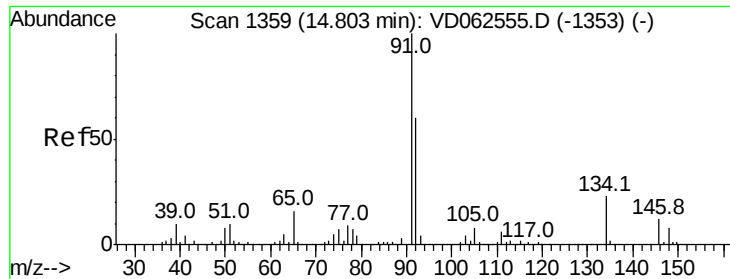
#88
 1,4-Dichlorobenzene
 Concen: 21.811 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Tgt Ion:146 Resp: 362805
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.2 54.6
 148 64.2 31.6 94.8



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

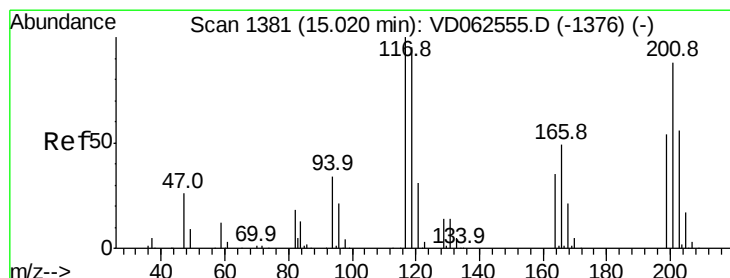
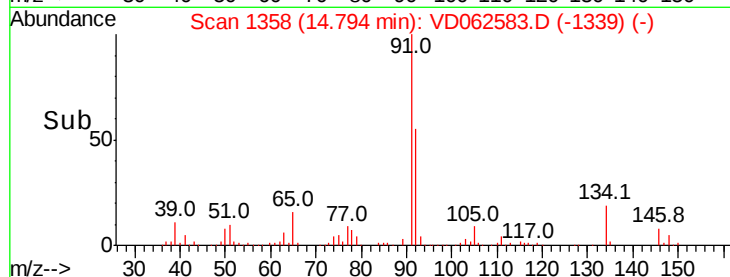
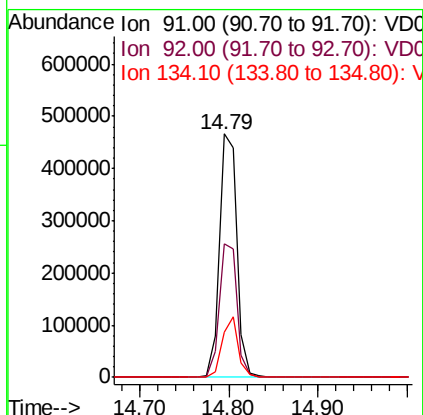
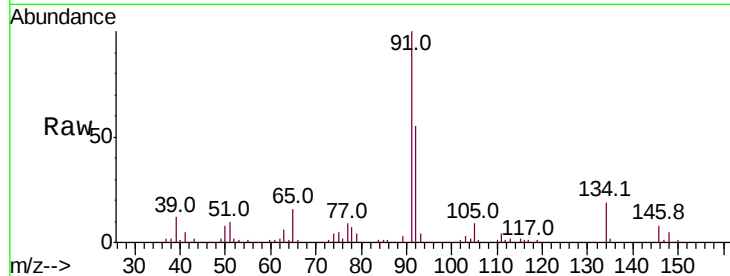




#89
n-Butylbenzene
Concen: 21.900 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

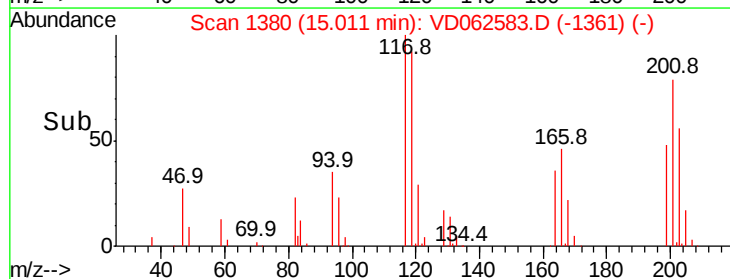
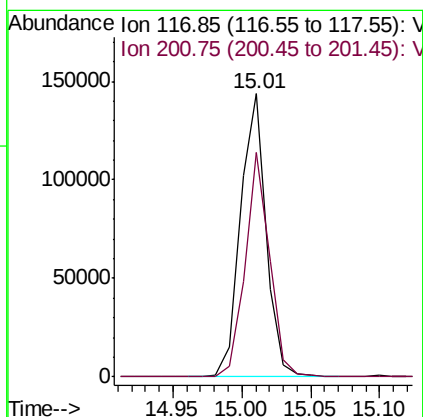
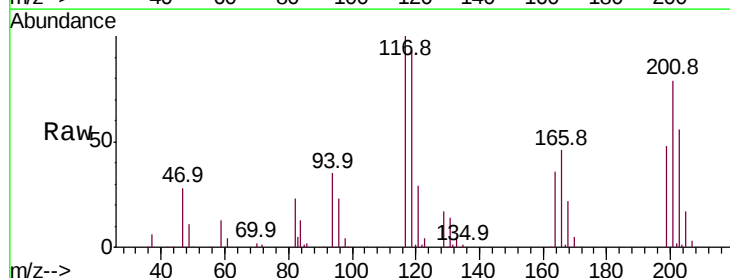
Instrument :
MSVOA_D
ClientSampleId :
VD0603SBSD01

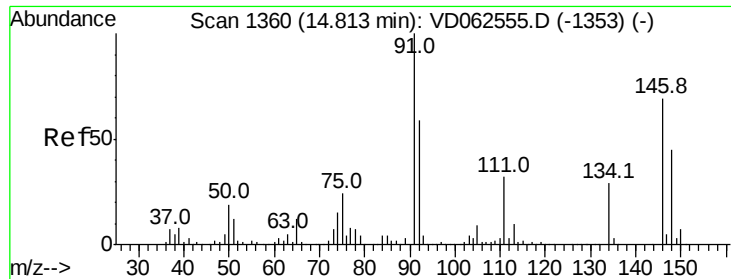
Tot Ion: 91 Resp: 644285
Ion Ratio Lower Upper
91 100
92 55.1 29.8 89.4
134 18.6 11.3 33.8



#90
Hexachloroethane
Concen: 21.275 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD062583.D
Acq: 3 Jun 2019 14:08

Tgt Ion: 117 Resp: 186016
Ion Ratio Lower Upper
117 100
201 79.4 43.8 131.4

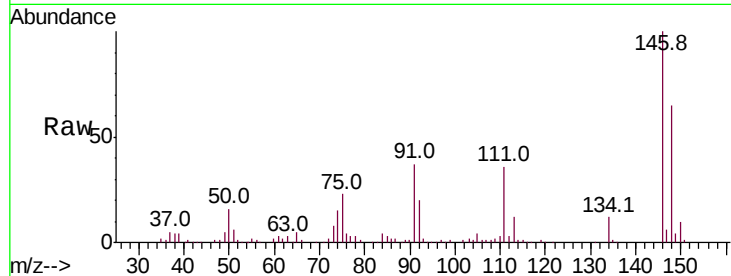




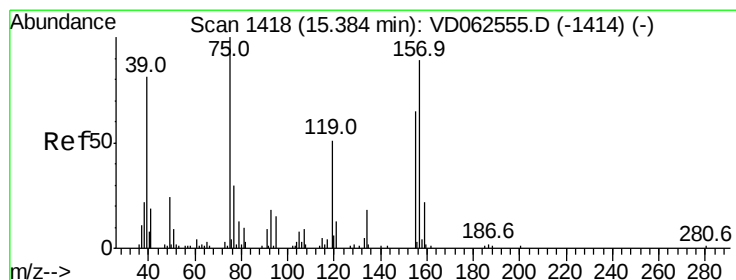
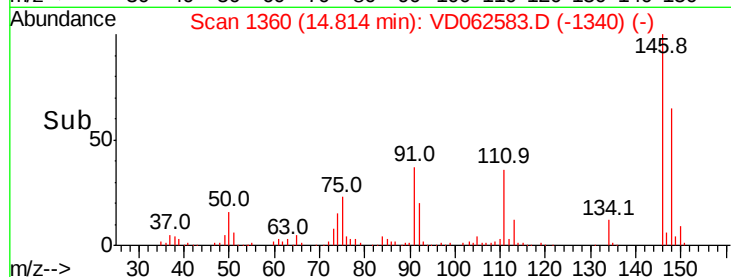
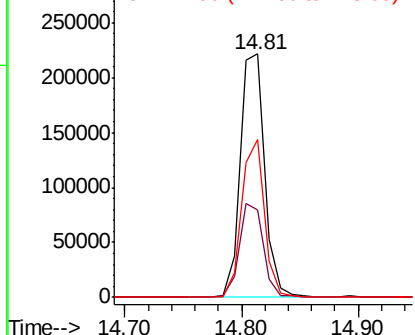
#91
 1,2-Dichlorobenzene
 Concen: 23.077 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBSD01

Tot Ion:146 Resp: 322233
 Ion Ratio Lower Upper
 146 100
 111 35.8 22.8 68.4
 148 64.7 32.3 96.9

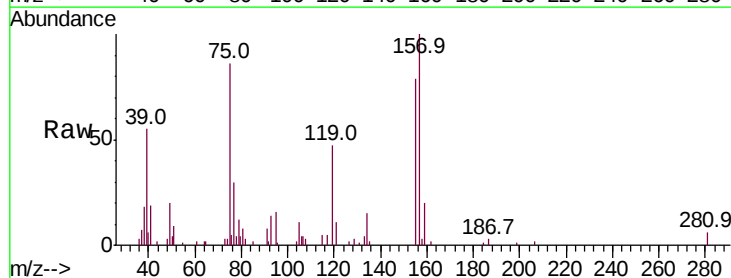


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

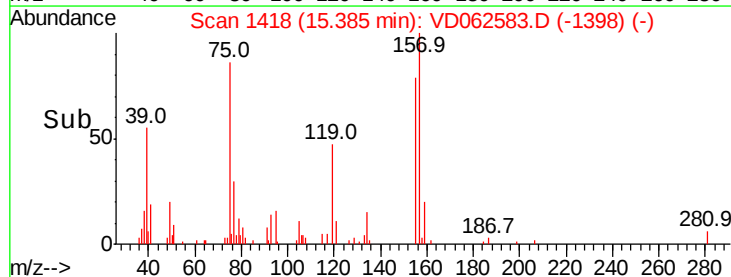
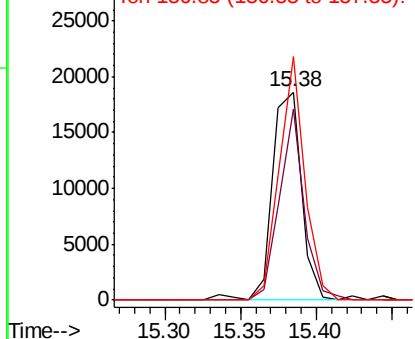


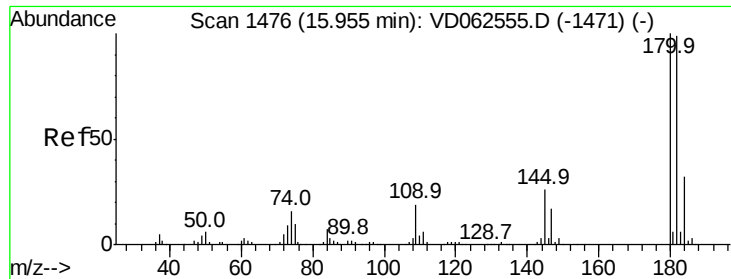
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.004 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Tgt Ion: 75 Resp: 25271
 Ion Ratio Lower Upper
 75 100
 155 91.9 32.6 97.8
 157 116.8 44.5 133.7



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

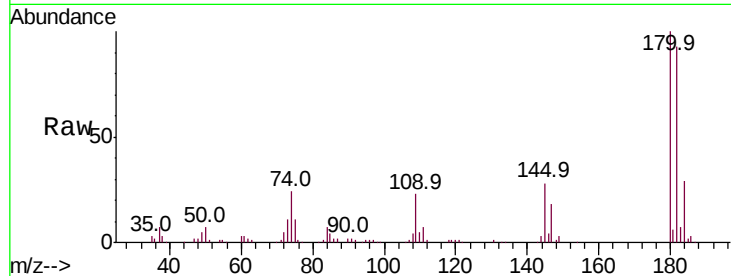




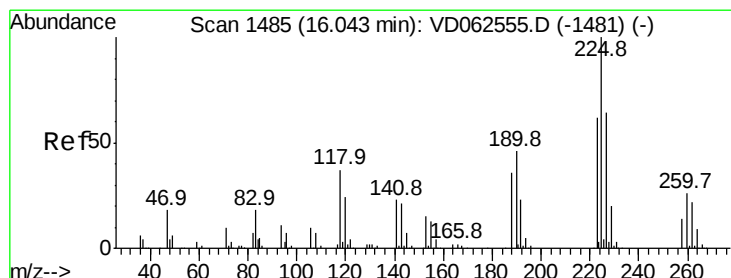
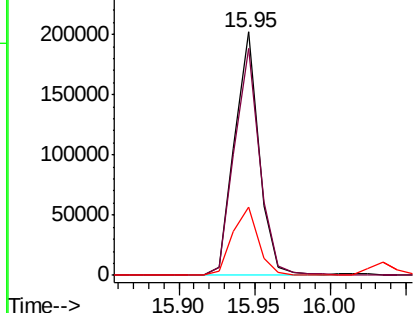
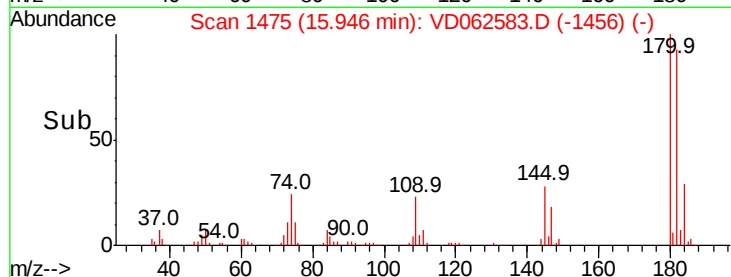
#93
 1,2,4-Trichlorobenzene
 Concen: 20.414 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBSD01

Tot Ion:180 Resp: 227918
 Ion Ratio Lower Upper
 180 100
 182 93.3 49.5 148.3
 145 28.2 13.1 39.3

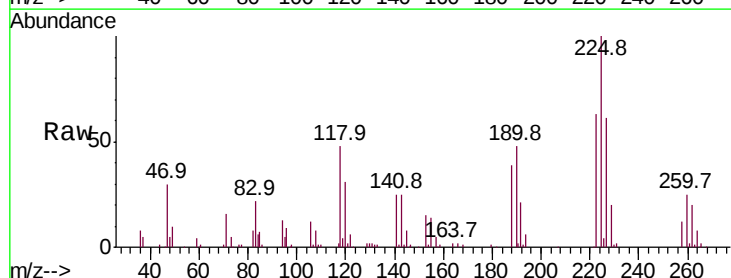


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

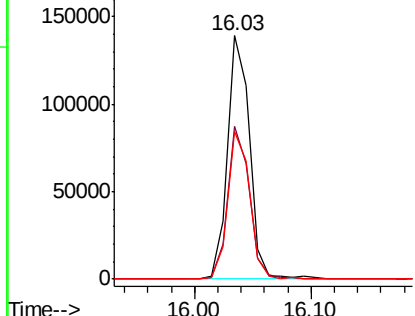
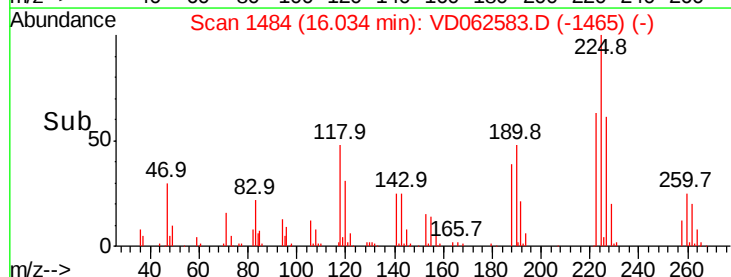


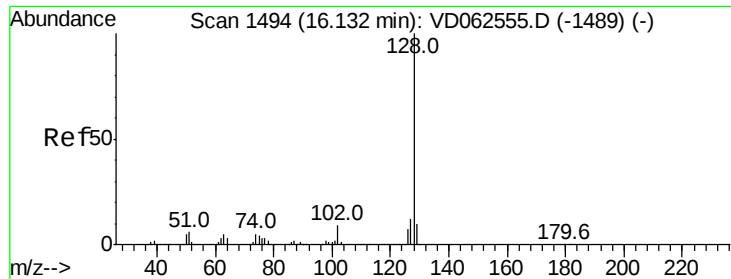
#94
 Hexachlorobutadiene
 Concen: 22.128 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062583.D
 Acq: 3 Jun 2019 14:08

Tgt Ion:225 Resp: 182385
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.5
 227 60.8 32.1 96.5



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: 20.786 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0603SBSD01

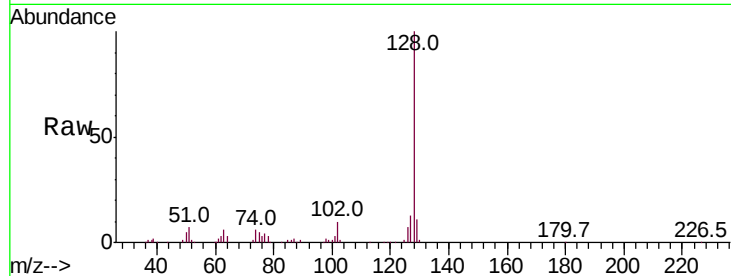
Tot Ion:128 Resp: 316050

Ion Ratio Lower Upper

128 100

127 13.1 9.7 14.5

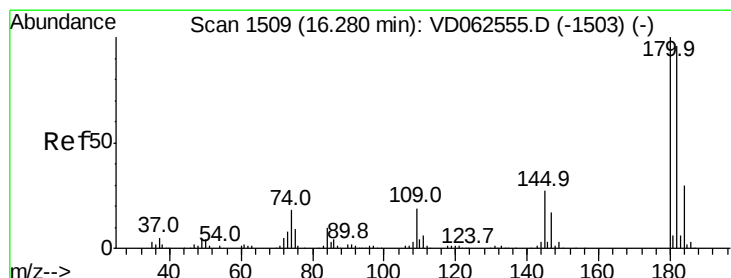
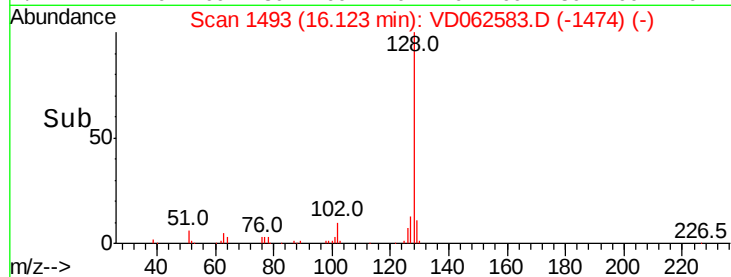
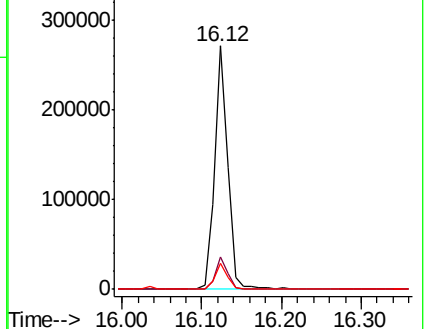
129 10.6 8.2 12.2



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: 21.797 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD062583.D

Acq: 3 Jun 2019 14:08

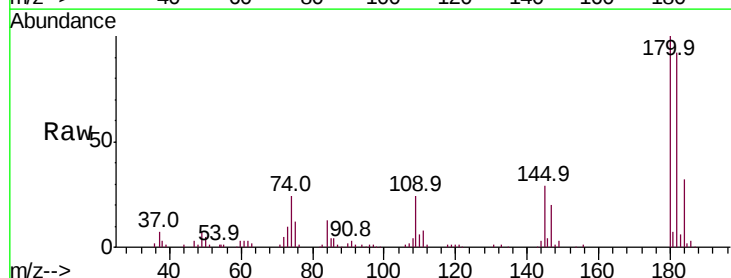
Tgt Ion:180 Resp: 181788

Ion Ratio Lower Upper

180 100

182 92.2 48.1 144.3

145 29.4 13.3 39.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

