

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063435.D
 Acq On : 8 Aug 2019 13:48
 Operator : JC/SY
 Sample : VD0808SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Quant Time: Aug 09 06:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1060062	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1527143	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1191202	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	679774	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	598028	50.84	ug/l	0.03
Spiked Amount			Recovery	=	101.68%	
35) Dibromofluoromethane	6.94	113	659275	50.56	ug/l	0.03
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	10.42	98	1501099	51.44	ug/l	0.02
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	13.56	95	691261	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	265493	20.489	ug/l	98
3) Chloromethane	1.75	50	209190	20.779	ug/l	98
4) Vinyl Chloride	1.85	62	207888	19.947	ug/l	99
5) Bromomethane	2.15	94	80471	15.309	ug/l	92
6) Chloroethane	2.26	64	87150	18.112	ug/l	99
7) Trichlorofluoromethane	2.53	101	418215	20.684	ug/l	100
8) Diethyl Ether	2.88	74	49204	17.388	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	247408	22.090	ug/l	98
10) Methyl Iodide	3.31	142	292156	18.057	ug/l	90
11) Tert butyl alcohol	4.10	59	54384	105.356	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	177999	21.649	ug/l	83
13) Acrolein	3.05	56	32358	65.135	ug/l	96
14) Allyl chloride	3.63	41	264843	20.220	ug/l	98
15) Acrylonitrile	4.21	53	137749	102.931	ug/l	99
16) Acetone	3.24	43	244407	106.645	ug/l	93
17) Carbon Disulfide	3.37	76	543641	19.754	ug/l	99
18) Methyl Acetate	3.65	43	89176	20.258	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	364762	19.639	ug/l	98
20) Methylene Chloride	3.82	84	200196	21.611	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	191415	20.748	ug/l	93
22) Diisopropyl ether	5.14	45	541407	20.689	ug/l	97
23) Vinyl Acetate	5.08	43	1611747	100.195	ug/l	100
24) 1,1-Dichloroethane	5.00	63	351625	21.036	ug/l	97
25) 2-Butanone	6.09	43	225155	97.894	ug/l	93
26) 2,2-Dichloropropane	6.03	77	361854	21.006	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	213003	21.534	ug/l	85
28) Bromochloromethane	6.46	49	129045	19.376	ug/l #	85
29) Tetrahydrofuran	6.48	42	109242	100.321	ug/l	98
30) Chloroform	6.68	83	415711	20.040	ug/l	98
31) Cyclohexane	6.97	56	206286	19.689	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	407002	20.284	ug/l	97
36) 1,1-Dichloropropene	7.15	75	281649	20.209	ug/l	99
37) Ethyl Acetate	6.20	43	118069	18.857	ug/l #	94
38) Carbon Tetrachloride	7.12	117	408174	19.454	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	227222	19.568	ug/l	91
40) Benzene	7.47	78	586420	20.076	ug/l	98
41) Methacrylonitrile	6.47	41	148781	19.864	ug/l #	89
42) 1,2-Dichloroethane	7.60	62	312223	20.169	ug/l	98
43) Isopropyl Acetate	9.25	43	143229	17.908	ug/l #	98
44) Trichloroethene	8.55	130	235131	19.866	ug/l	98
45) 1,2-Dichloropropane	8.96	63	144367	19.445	ug/l	94
46) Dibromomethane	9.07	93	111515	18.064	ug/l	96
47) Bromodichloromethane	9.39	83	314464	19.984	ug/l #	92
48) Methyl methacrylate	9.13	41	96784	18.658	ug/l	92
49) 1,4-Dioxane	9.10	88	16425	371.193	ug/l #	74
51) 4-Methyl-2-Pentanone	10.31	43	522575	96.071	ug/l	95
52) Toluene	10.52	92	387715	19.957	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	258029	19.019	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	291295	20.430	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	128797	19.630	ug/l	94
56) Ethyl methacrylate	11.05	69	128678	17.910	ug/l	96
57) 1,3-Dichloropropane	11.42	76	204310	19.763	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.87	63	382946	102.432	ug/l	100
59) 2-Hexanone	11.54	43	383292	97.781	ug/l	99
60) Dibromochloromethane	11.70	129	241585	19.504	ug/l	96
61) 1,2-Dibromoethane	11.82	107	154945	19.138	ug/l	99
64) Tetrachloroethene	11.27	164	204679	21.568	ug/l	98
65) Chlorobenzene	12.41	112	513922	22.430	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	219607	21.759	ug/l	97
67) Ethyl Benzene	12.53	91	854686	21.959	ug/l	99
68) m/p-Xylenes	12.68	106	611597	42.847	ug/l	92
69) o-Xylene	13.06	106	276706	21.110	ug/l	93
70) Styrene	13.08	104	479317	20.619	ug/l	98
71) Bromoform	13.24	173	152125	20.727	ug/l #	90
73) Isopropylbenzene	13.42	105	867012	20.322	ug/l	99
74) N-amyl acetate	13.28	43	216497	19.195	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	147064	20.292	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	170106	20.834	ug/l	98
77) Bromobenzene	13.68	156	229352	18.871	ug/l	83
78) n-propylbenzene	13.78	91	1081833	21.308	ug/l	98
79) 2-Chlorotoluene	13.85	91	531987	18.083	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	726081	19.732	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	37827	16.684	ug/l	97
82) 4-Chlorotoluene	13.96	91	677650	19.573	ug/l	98
83) tert-Butylbenzene	14.19	119	789776	18.797	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	709580	18.643	ug/l	97
85) sec-Butylbenzene	14.37	105	869665	19.646	ug/l	99
86) p-Isopropyltoluene	14.50	119	858405	20.317	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	415325	19.296	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	398524	18.310	ug/l	98
89) n-Butylbenzene	14.80	91	759242	20.806	ug/l	98
90) Hexachloroethane	15.02	117	214514	19.487	ug/l	81
91) 1,2-Dichlorobenzene	14.81	146	360743	19.236	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	22909	15.519	ug/l	89

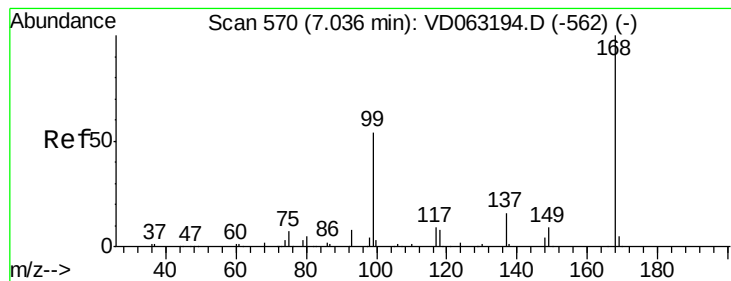
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	287859	19.349	ug/l	100
94) Hexachlorobutadiene	16.04	225	198033	18.369	ug/l	94
95) Naphthalene	16.13	128	408024	19.405	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	230383	19.603	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

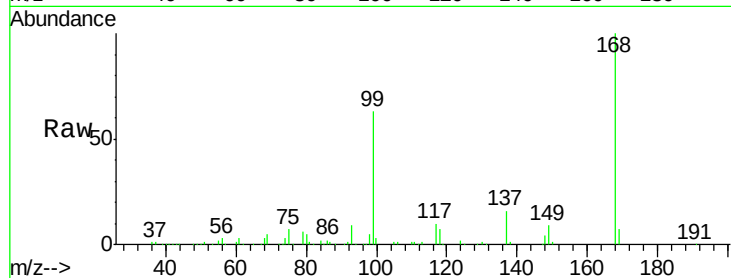
VD0808SBSD01

Tot Ion:168 Resp: 1060062

Ion Ratio Lower Upper

168 100

99 63.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

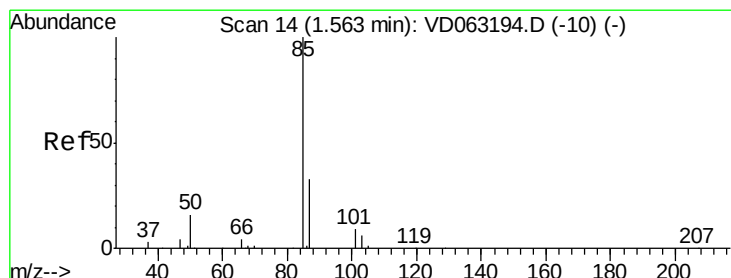
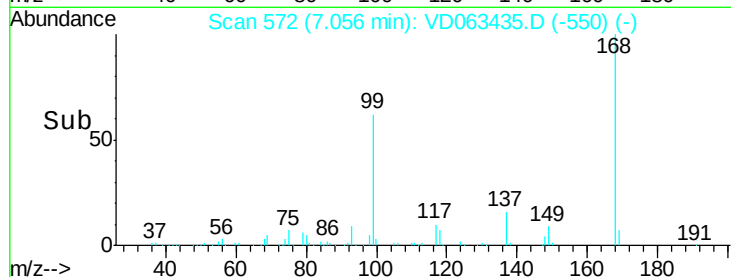
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.489 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063435.D

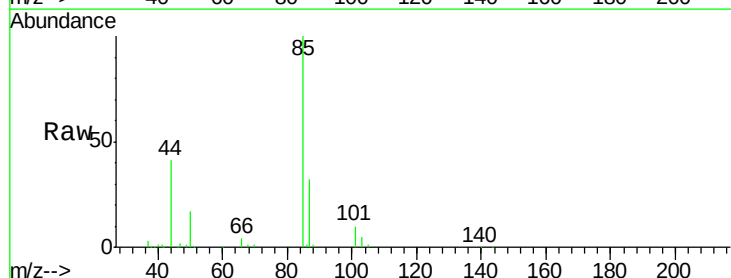
Acq: 8 Aug 2019 13:48

Tgt Ion: 85 Resp: 265493

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

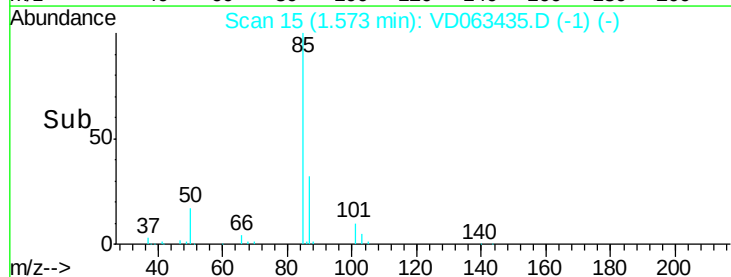
100000

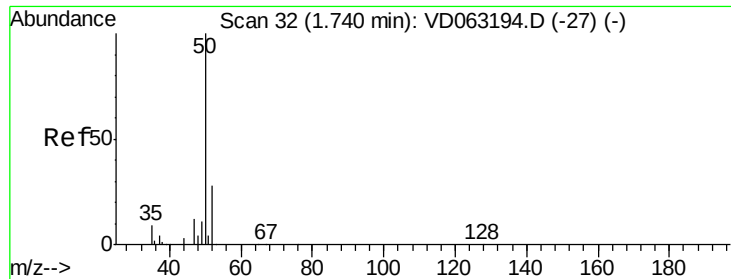
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.779 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

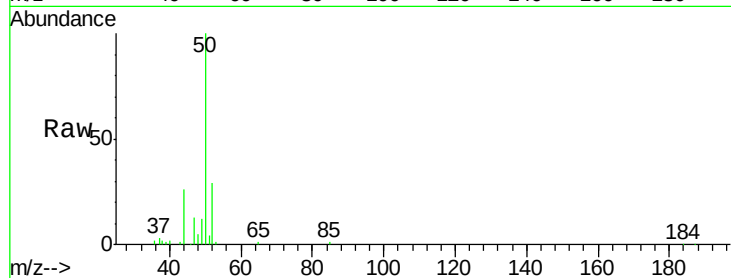
VD0808SBS01

Tot Ion: 50 Resp: 209190

Ion Ratio Lower Upper

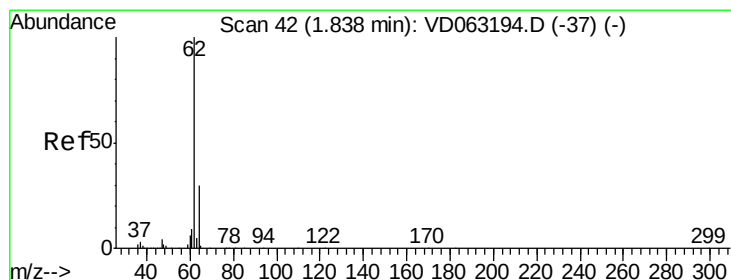
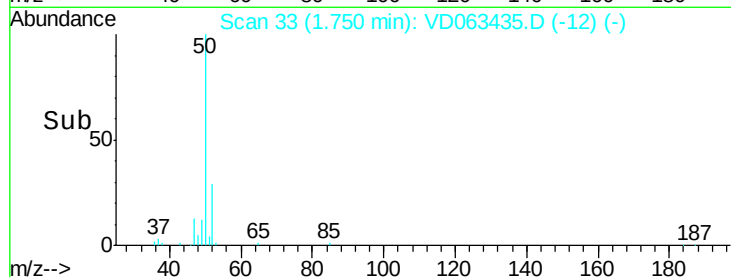
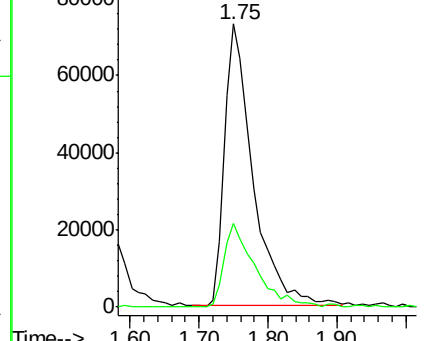
50 100

52 29.4 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.947 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063435.D

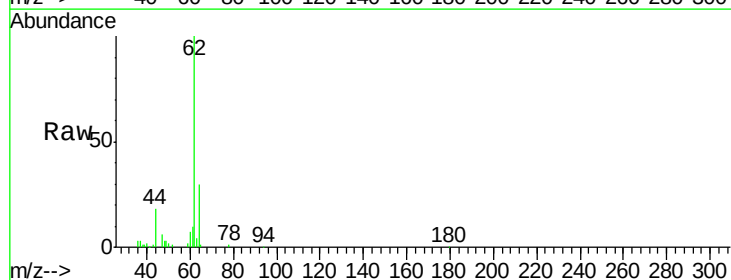
Acq: 8 Aug 2019 13:48

Tgt Ion: 62 Resp: 207888

Ion Ratio Lower Upper

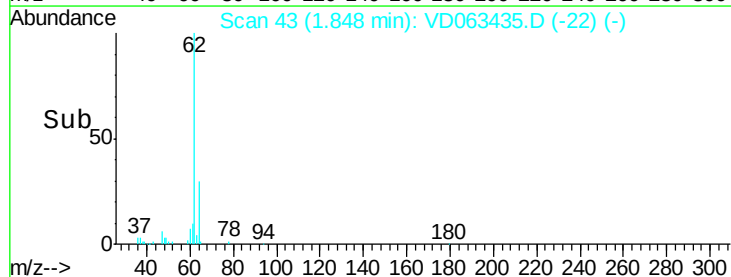
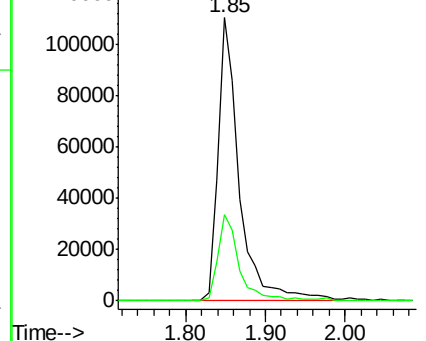
62 100

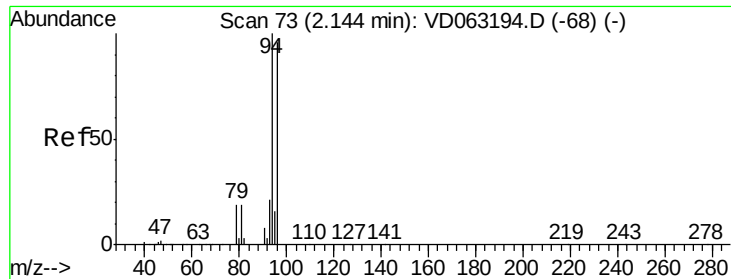
64 30.4 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.309 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

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ClientSampleId :

VD0808SBSD01

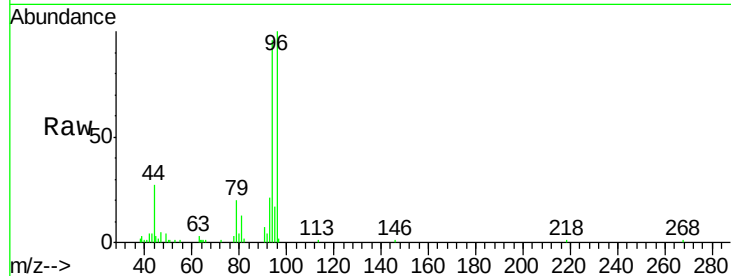
Tot Ion: 94 Resp: 80471

Ion Ratio Lower Upper

94 100

96 104.3 76.4 114.6

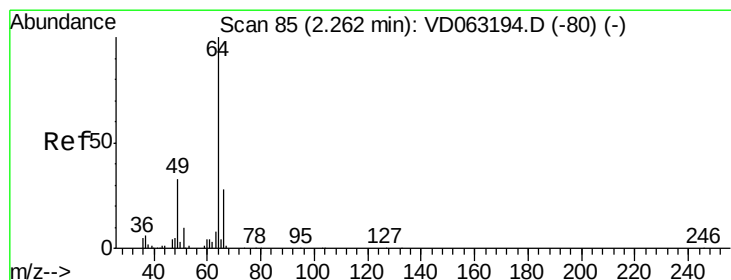
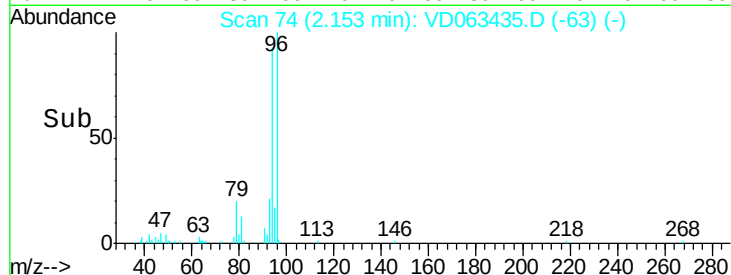
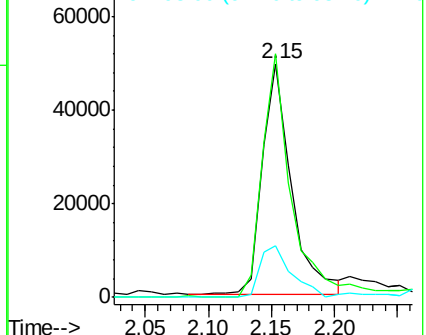
93 22.2 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.112 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063435.D

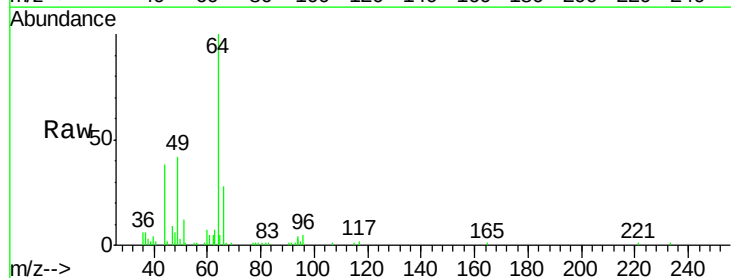
Acq: 8 Aug 2019 13:48

Tgt Ion: 64 Resp: 87150

Ion Ratio Lower Upper

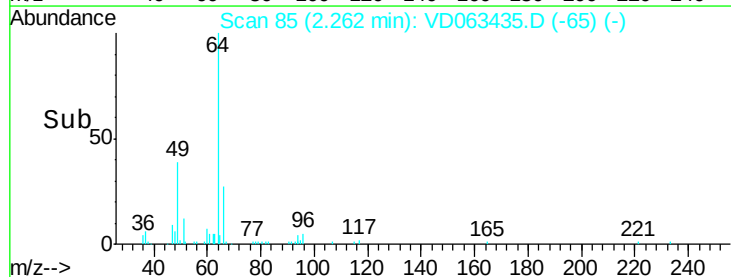
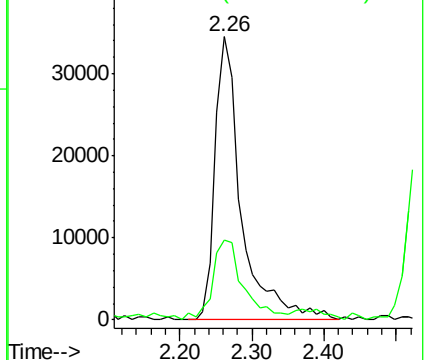
64 100

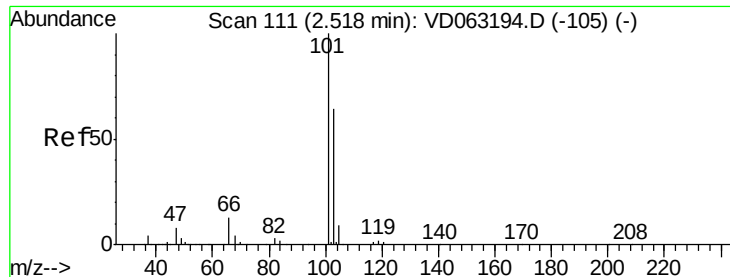
66 28.3 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



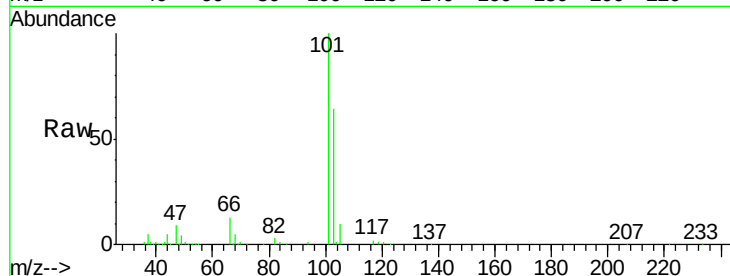


#7

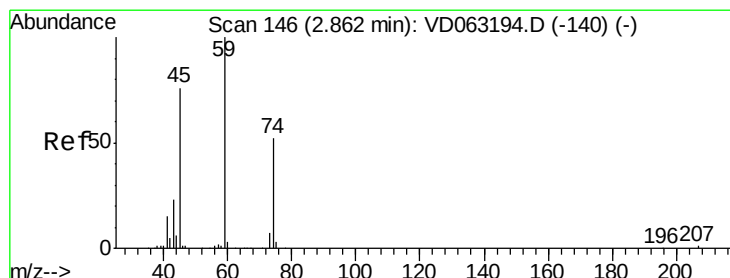
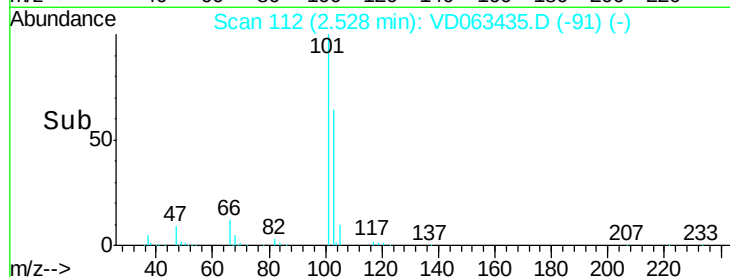
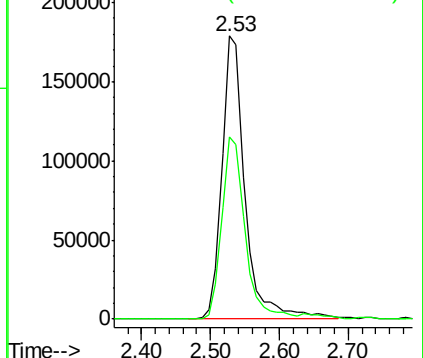
Trichlorofluoromethane
Concen: 20.684 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Instrument :
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ClientSampleId :
VD0808SBSD01

Tot Ion:101 Resp: 418215
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3



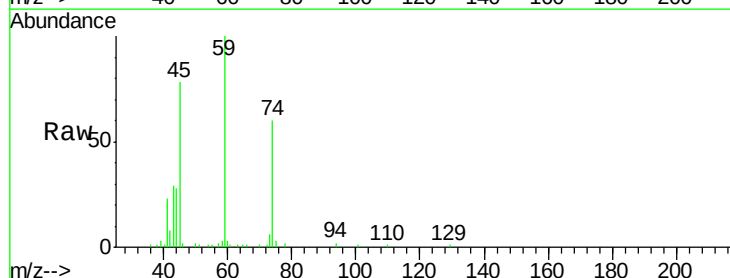
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



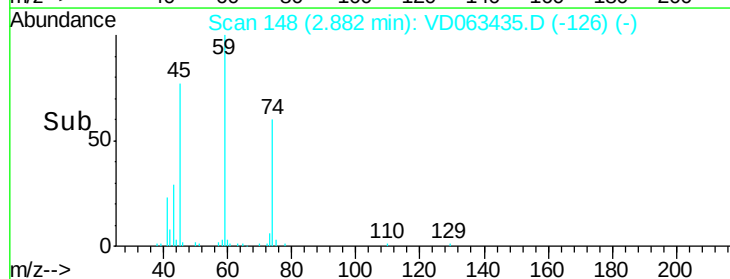
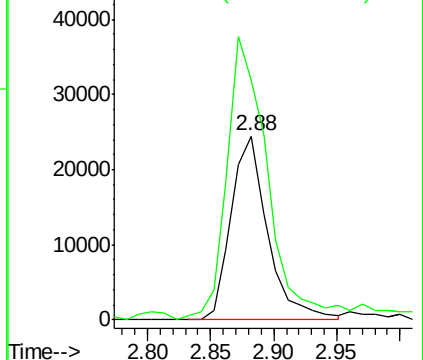
#8

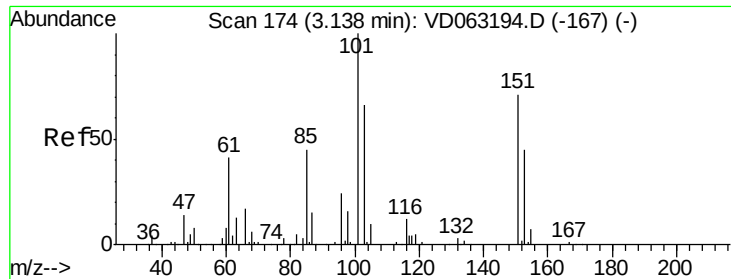
Diethyl Ether
Concen: 17.388 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 74 Resp: 49204
Ion Ratio Lower Upper
74 100
45 130.3 73.6 220.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.090 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

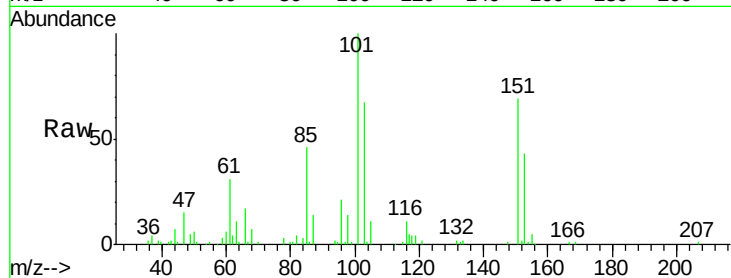
Tot Ion:101 Resp: 247408

Ion Ratio Lower Upper

101 100

85 45.9 36.1 54.1

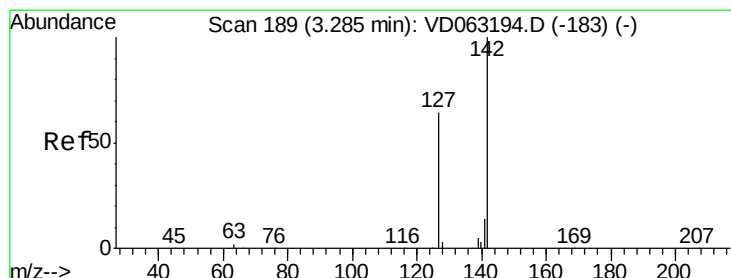
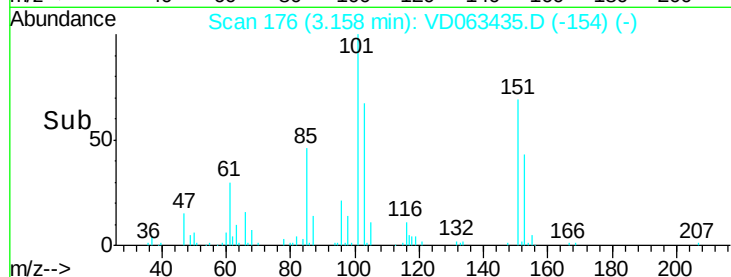
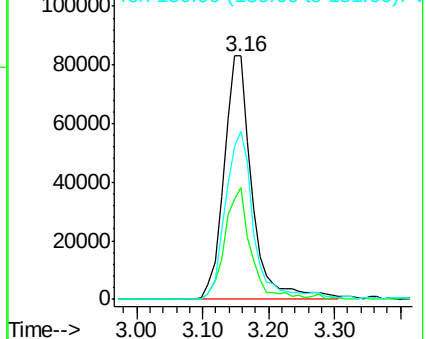
151 68.8 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.057 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

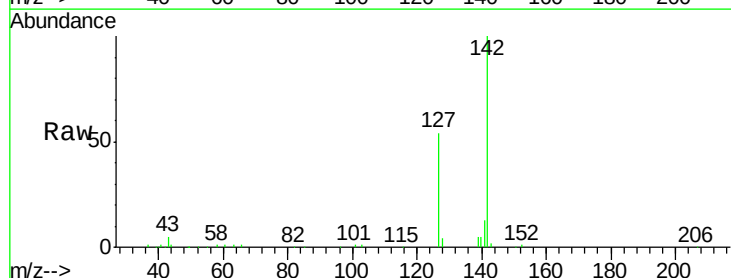
Tgt Ion:142 Resp: 292156

Ion Ratio Lower Upper

142 100

127 54.3 50.8 76.2

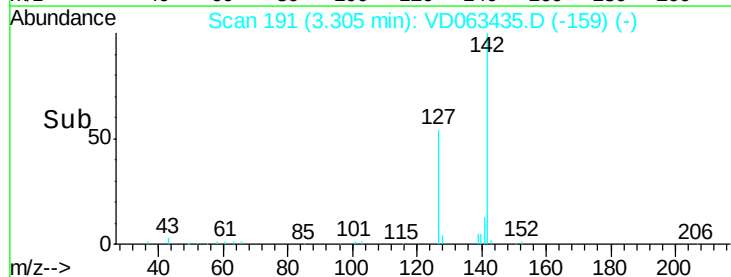
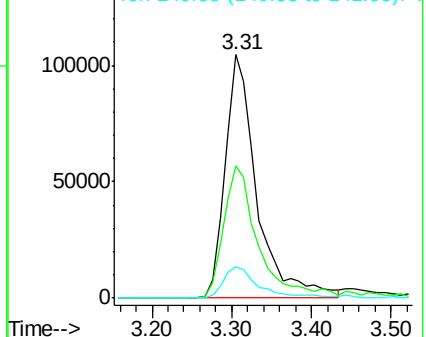
141 13.0 11.4 17.2

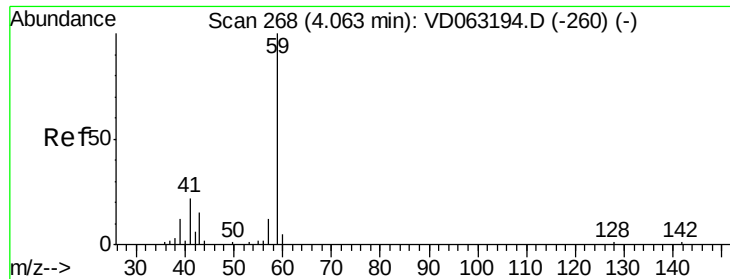


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



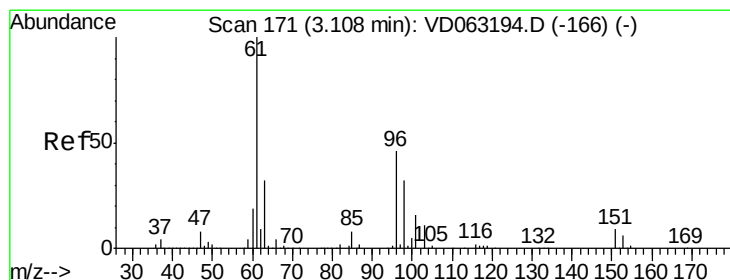
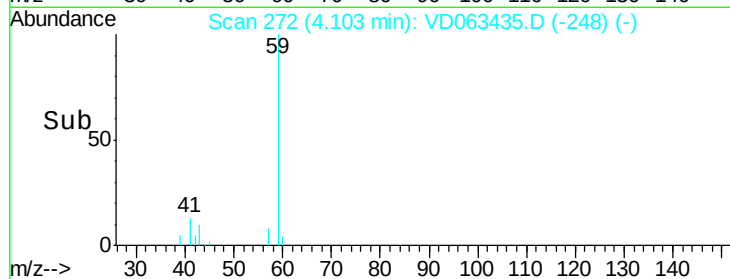
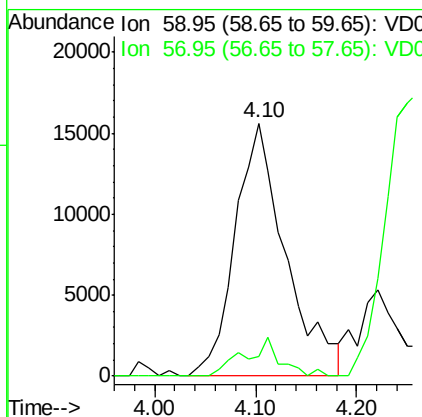
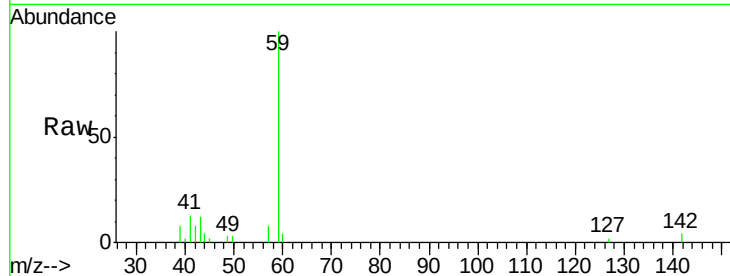


#11

Tert butyl alcohol
 Concen: 105.356 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.04 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

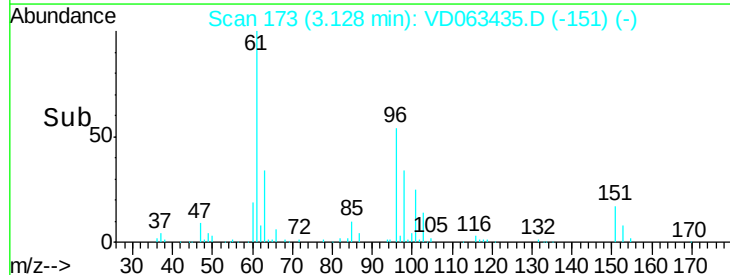
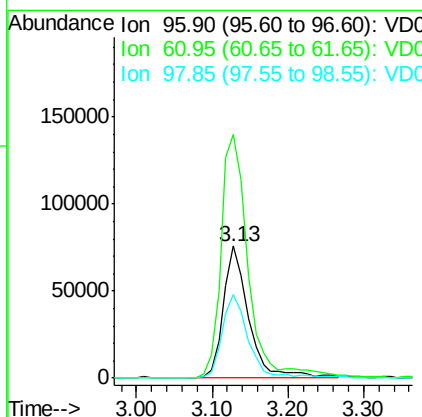
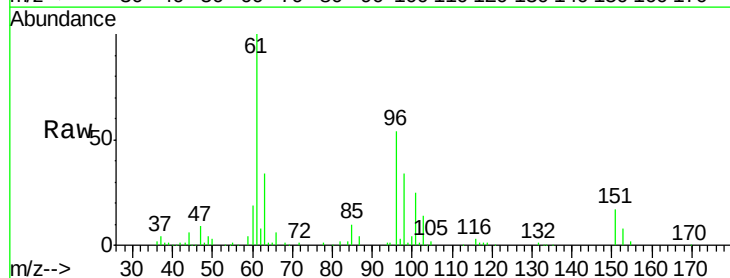
Tot Ion: 59 Resp: 54384
 Ion Ratio Lower Upper
 59 100
 57 7.9 9.6 14.4#

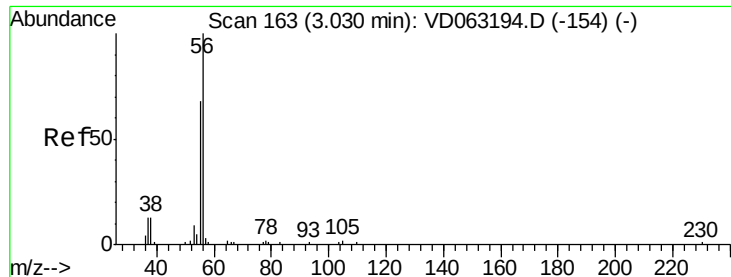


#12

1,1-Dichloroethene
 Concen: 21.649 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion: 96 Resp: 177999
 Ion Ratio Lower Upper
 96 100
 61 184.9 173.7 260.5
 98 63.3 55.8 83.8





#13

Acrolein

Concen: 65.135 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

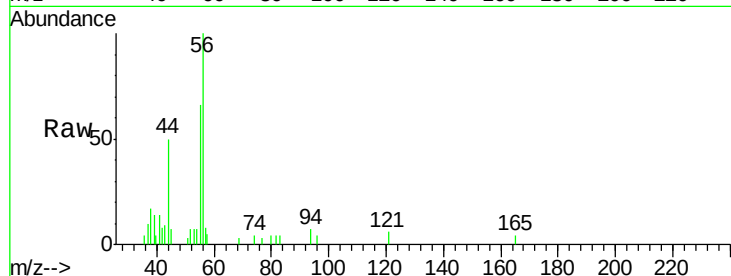
VD0808SBSD01

Tot Ion: 56 Resp: 32358

Ion Ratio Lower Upper

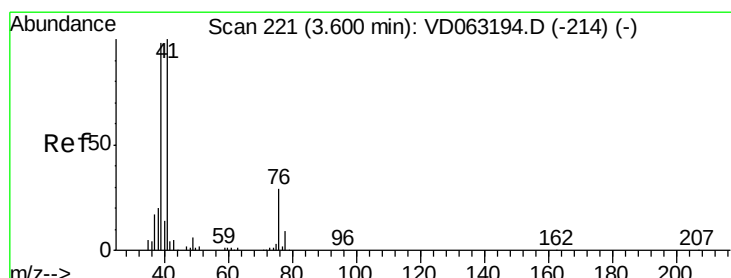
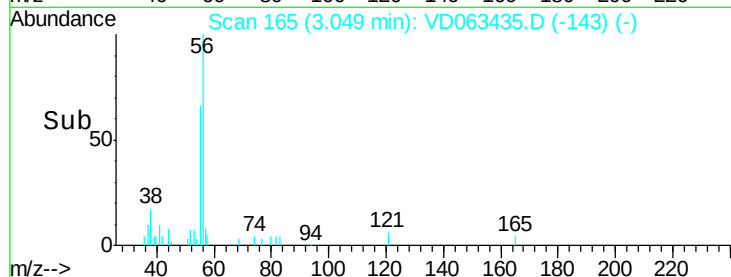
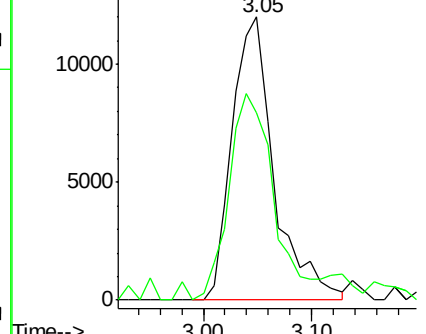
56 100

55 66.1 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.220 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

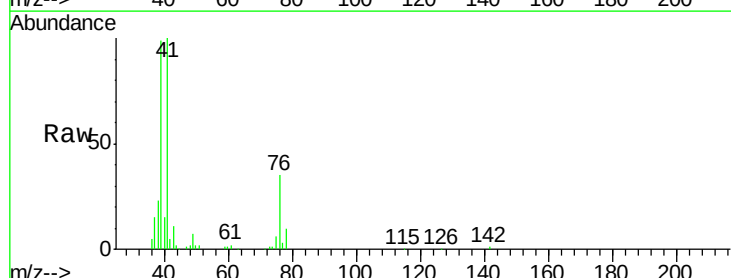
Tgt Ion: 41 Resp: 264843

Ion Ratio Lower Upper

41 100

39 99.0 78.6 117.8

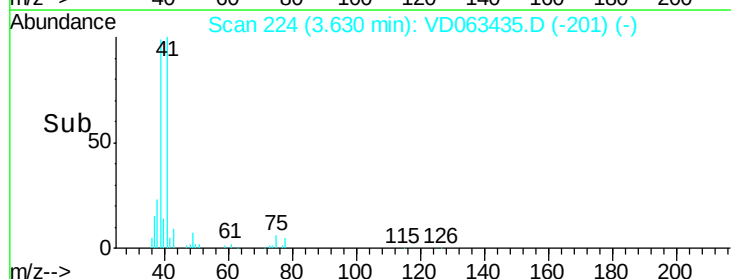
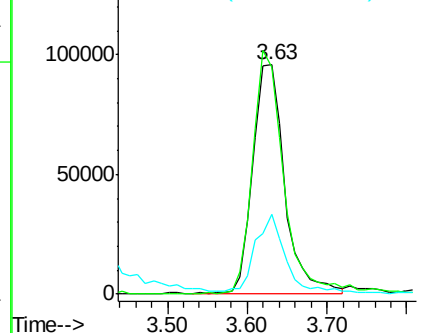
76 34.6 24.5 36.7

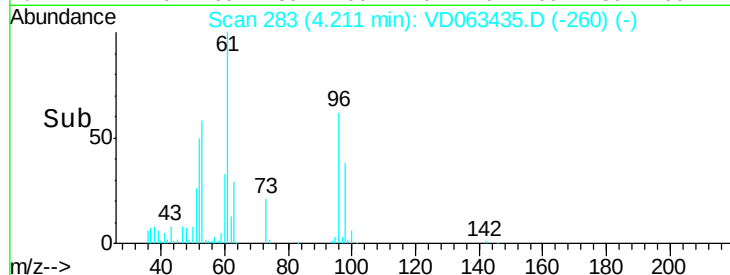
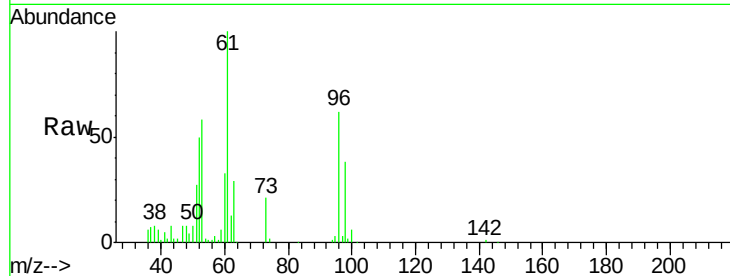
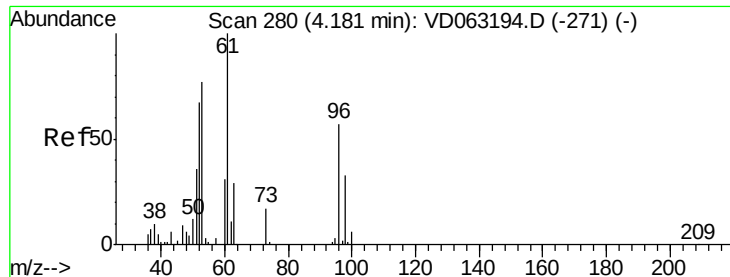


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.931 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

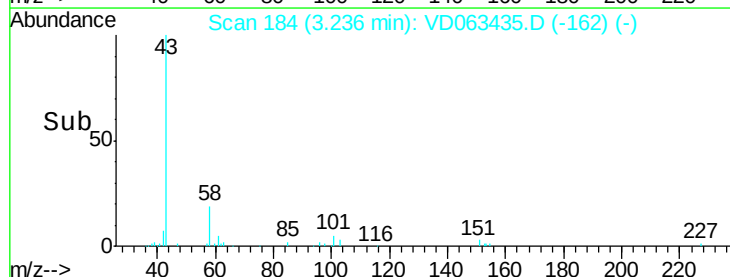
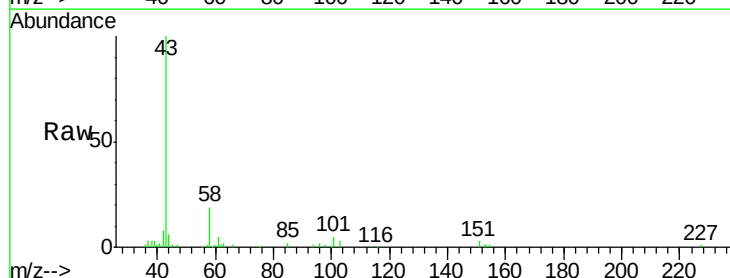
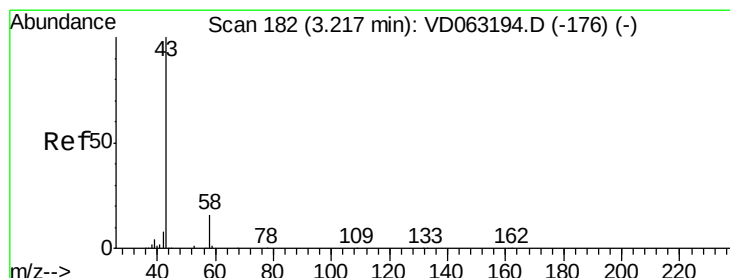
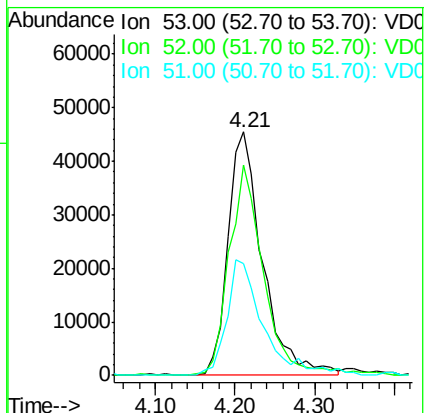
Tot Ion: 53 Resp: 137749

Ion Ratio Lower Upper

53 100

52 86.4 69.7 104.5

51 46.1 37.4 56.0



#16

Acetone

Concen: 106.645 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063435.D

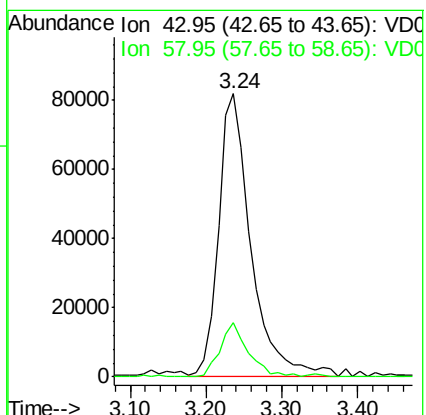
Acq: 8 Aug 2019 13:48

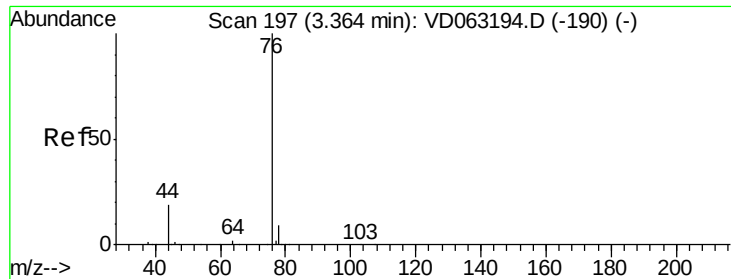
Tgt Ion: 43 Resp: 244407

Ion Ratio Lower Upper

43 100

58 19.1 13.0 19.4





#17

Carbon Disulfide

Concen: 19.754 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

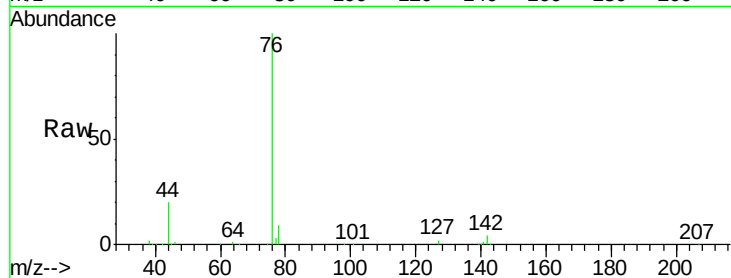
VD0808SBSD01

Tot Ion: 76 Resp: 543641

Ion Ratio Lower Upper

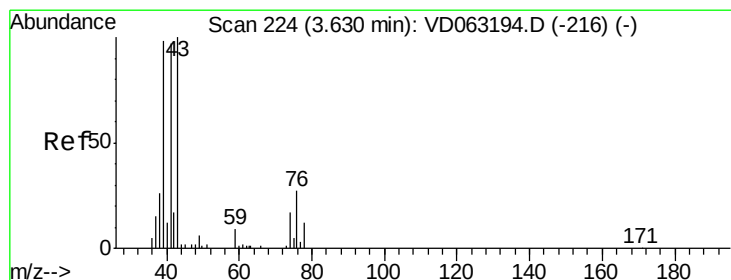
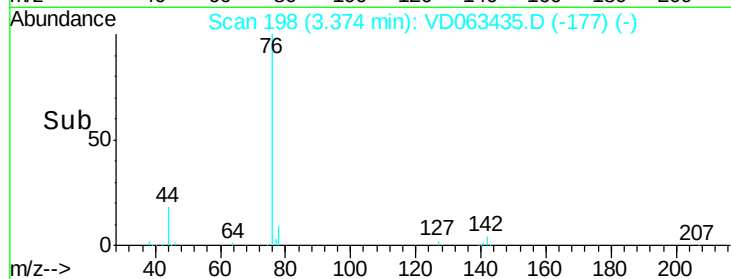
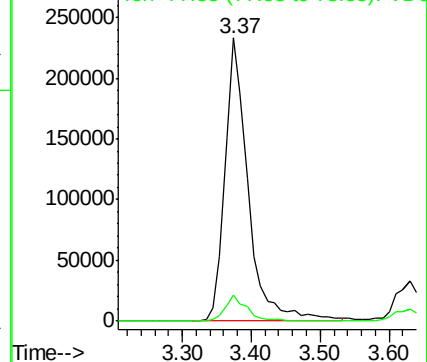
76 100

78 9.0 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: 20.258 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063435.D

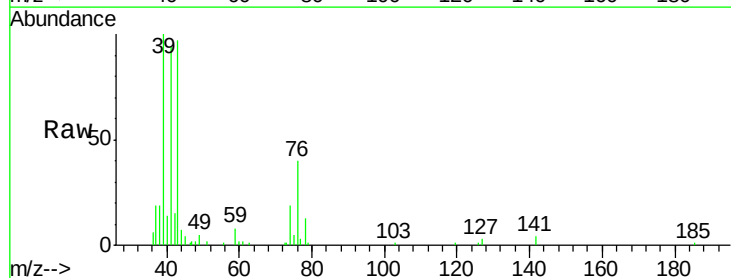
Acq: 8 Aug 2019 13:48

Tgt Ion: 43 Resp: 89176

Ion Ratio Lower Upper

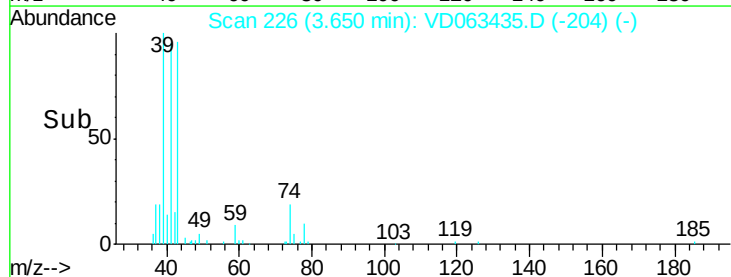
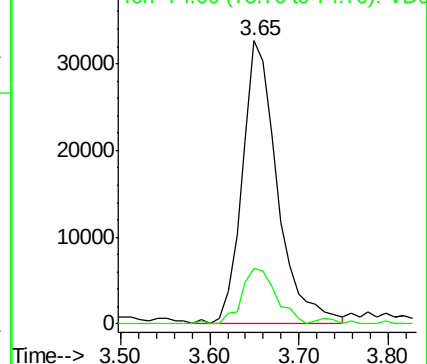
43 100

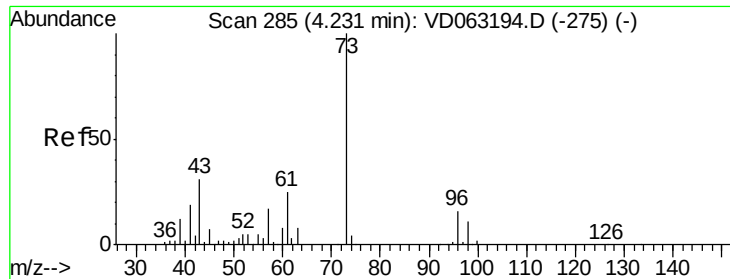
74 19.5 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

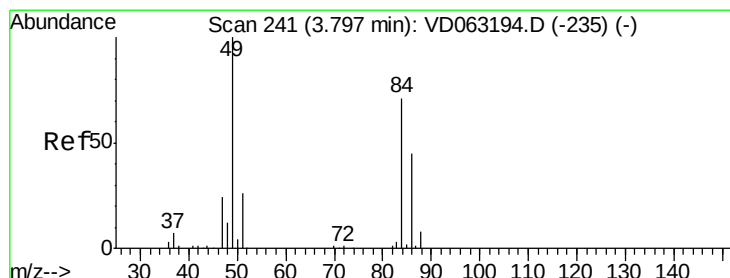
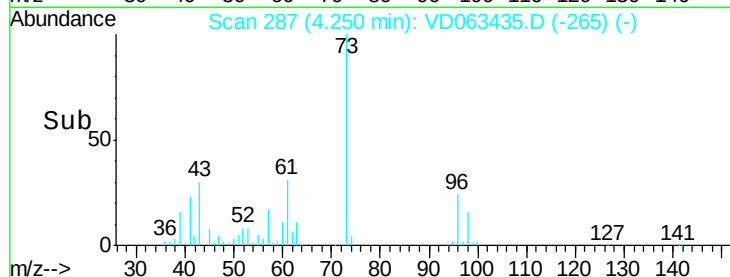
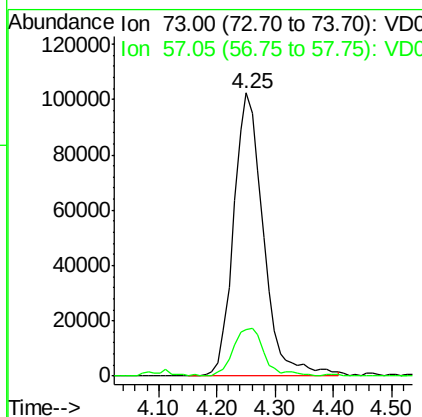
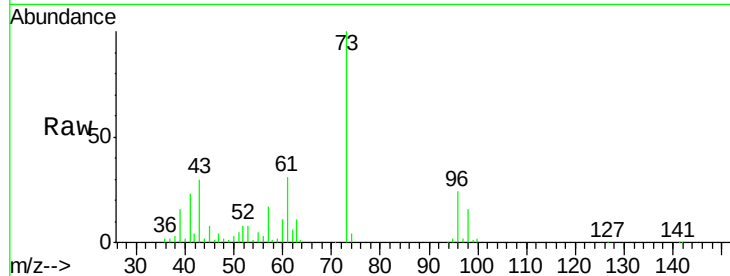




#19
Methyl tert-butyl Ether
Concen: 19.639 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

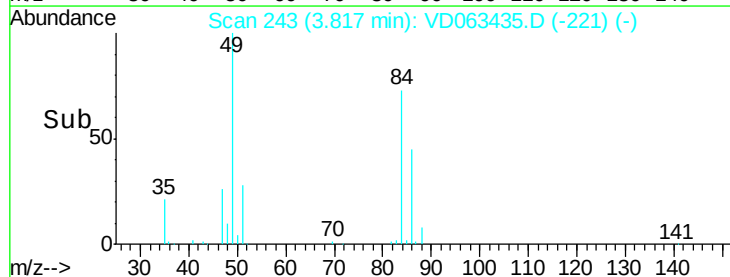
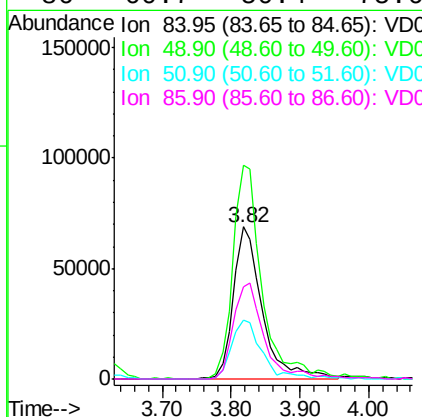
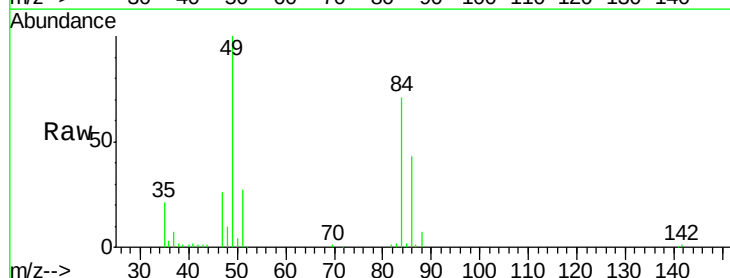
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

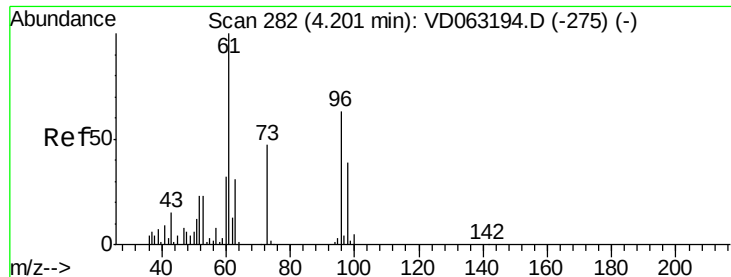
Tot Ion: 73 Resp: 364762
Ion Ratio Lower Upper
73 100
57 16.5 13.8 20.6



#20
Methylene Chloride
Concen: 21.611 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 84 Resp: 200196
Ion Ratio Lower Upper
84 100
49 140.3 112.5 168.7
51 38.4 29.6 44.4
86 60.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.748 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

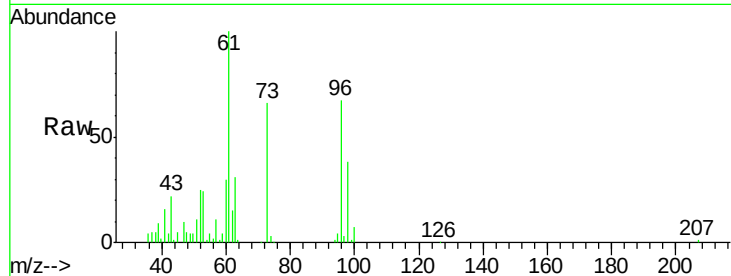
Tot Ion: 96 Resp: 191415

Ion Ratio Lower Upper

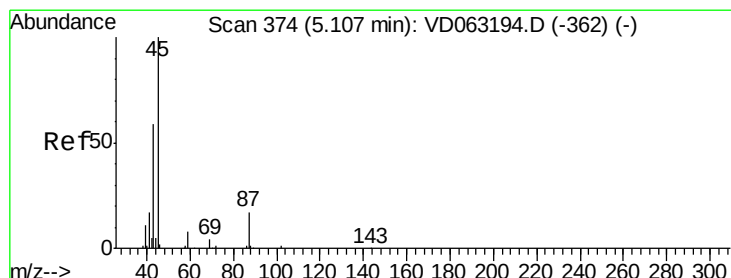
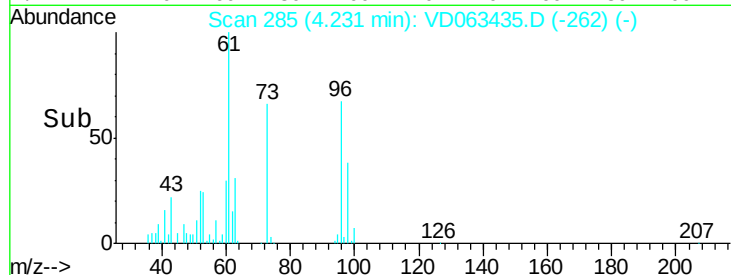
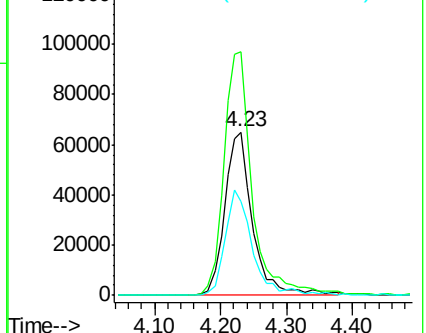
96 100

61 149.2 127.4 191.2

98 57.4 49.3 73.9



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



#22

Diisopropyl ether

Concen: 20.689 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Tgt Ion: 45 Resp: 541407

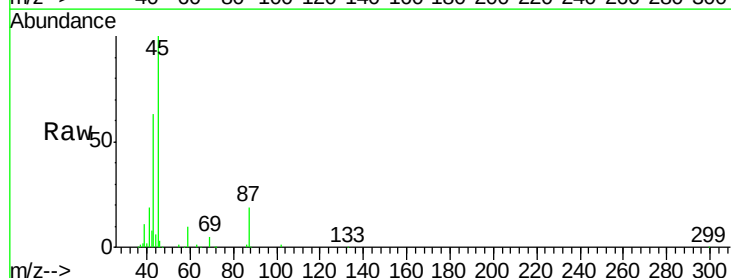
Ion Ratio Lower Upper

45 100

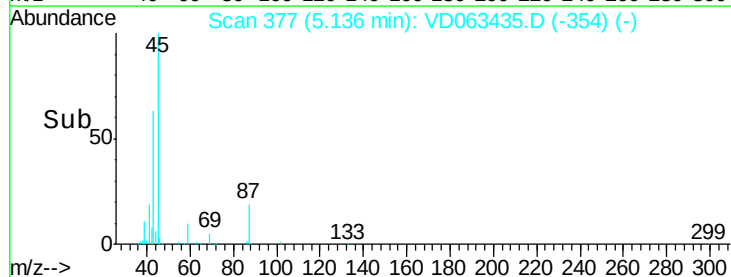
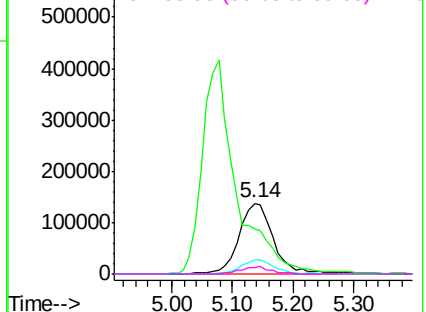
43 62.6 51.7 77.5

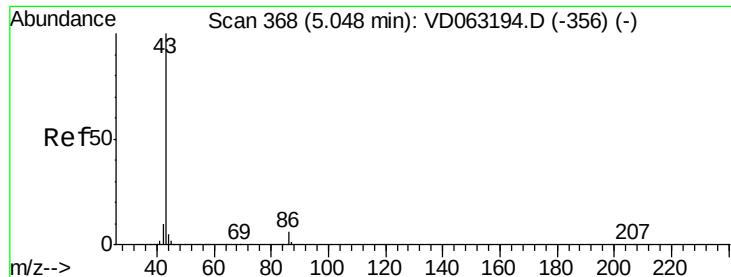
87 19.1 14.6 21.8

59 9.9 6.6 10.0



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





#23

Vinyl Acetate

Concen: 100.195 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleID :

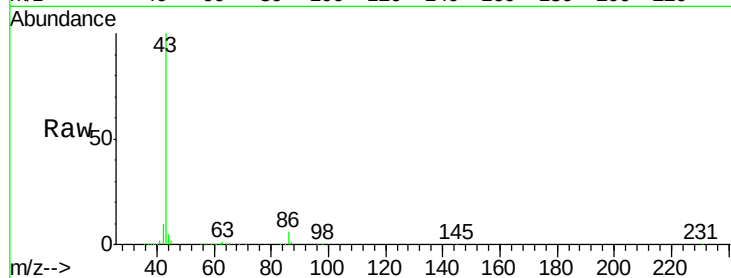
VD0808SBSD01

Tot Ion: 43 Resp: 1611747

Ion Ratio Lower Upper

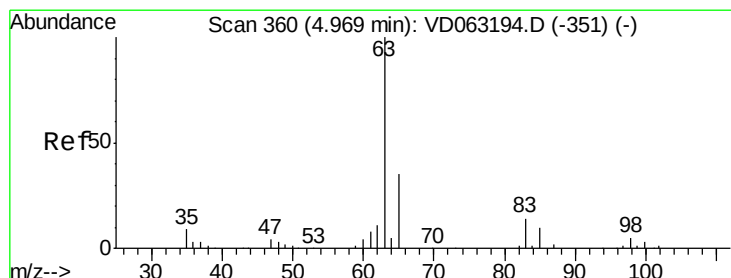
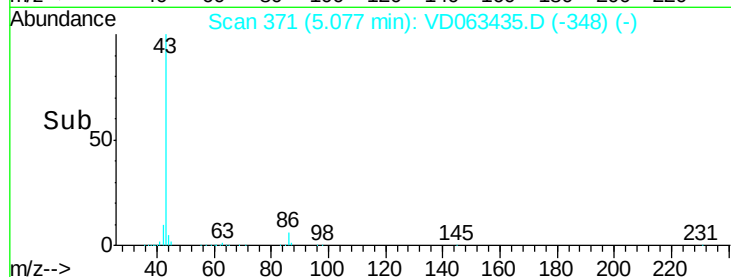
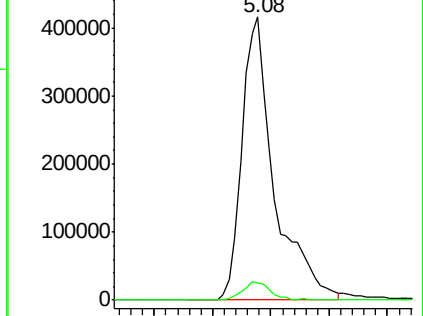
43 100

86 6.1 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.036 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

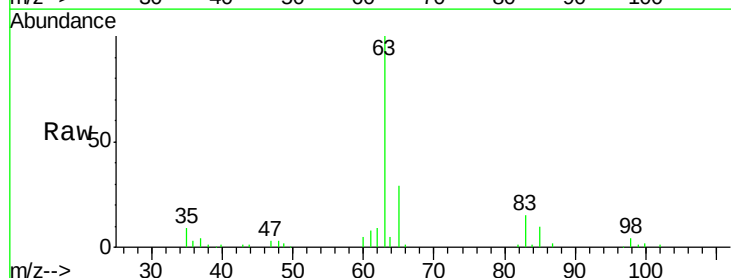
Tgt Ion: 63 Resp: 351625

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

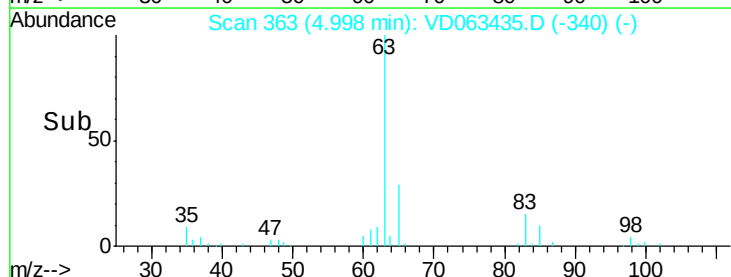
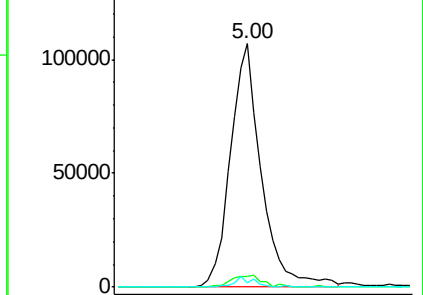
100 1.8 1.3 3.9

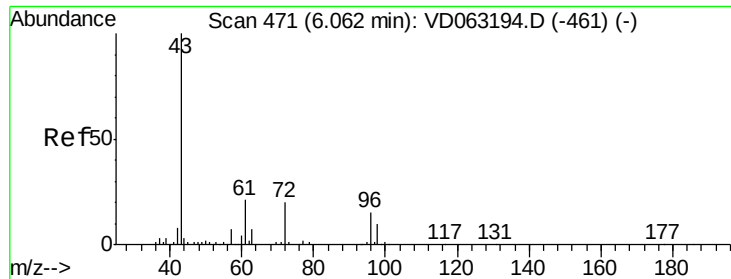


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.894 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

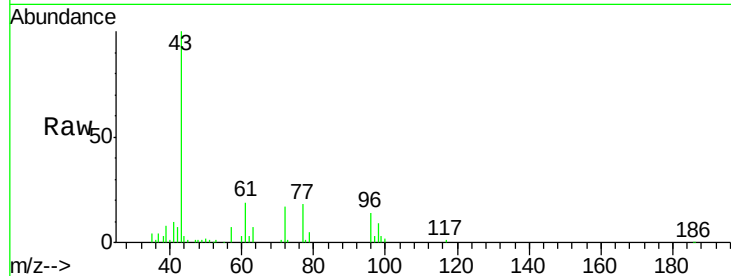
VD0808SBSD01

Tot Ion: 43 Resp: 225155

Ion Ratio Lower Upper

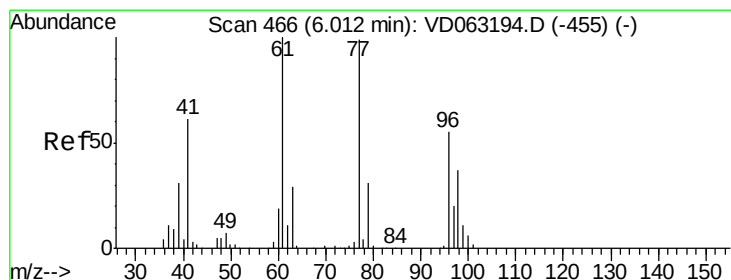
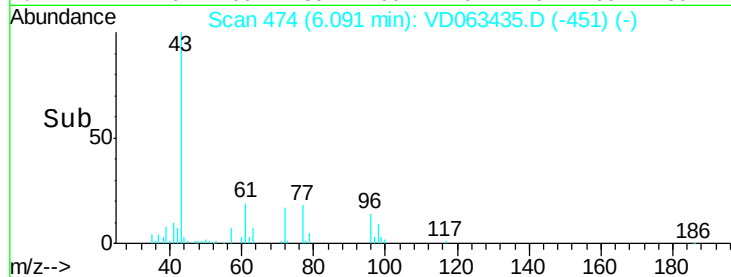
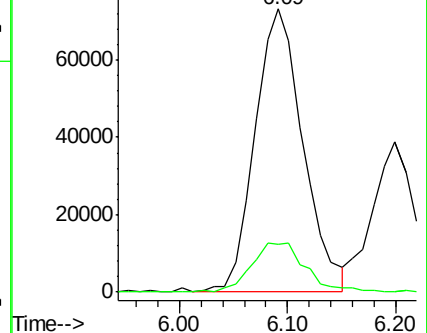
43 100

72 17.0 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.006 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063435.D

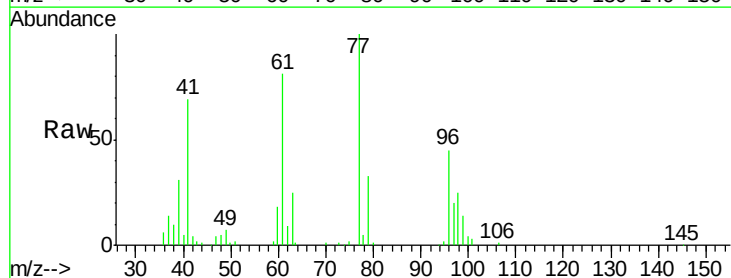
Acq: 8 Aug 2019 13:48

Tgt Ion: 77 Resp: 361854

Ion Ratio Lower Upper

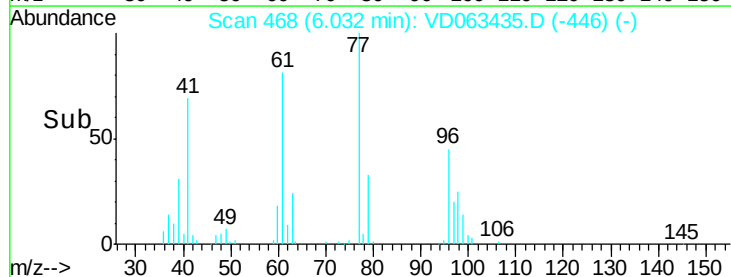
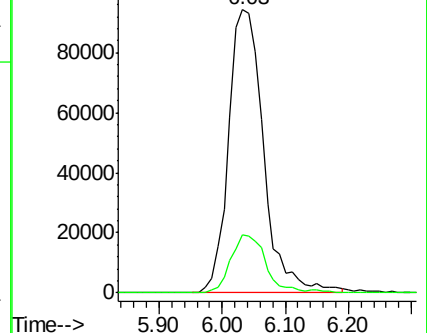
77 100

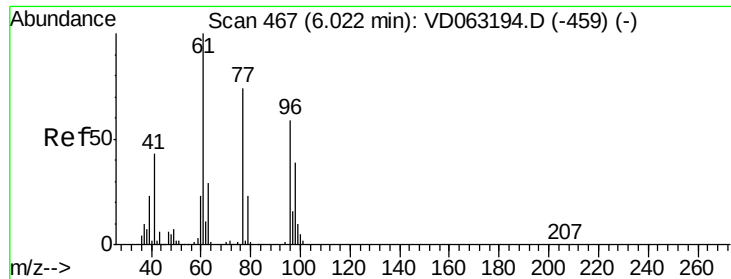
97 20.5 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



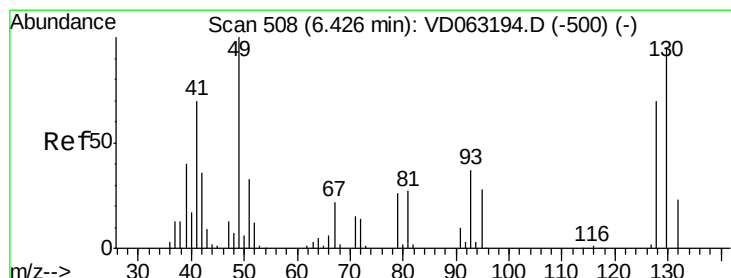
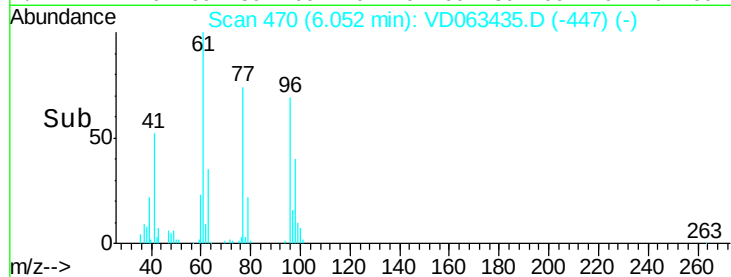
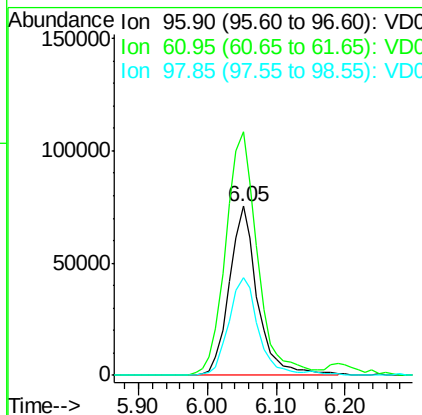
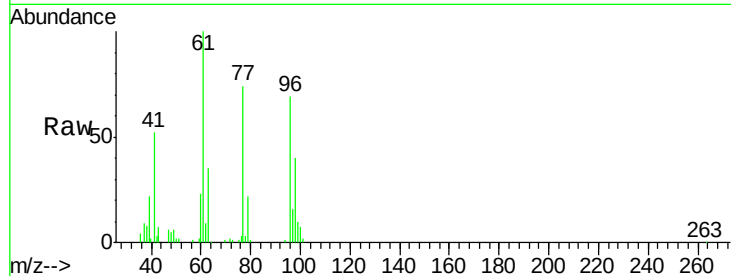


#27

cis-1,2-Dichloroethene
 Concen: 21.534 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

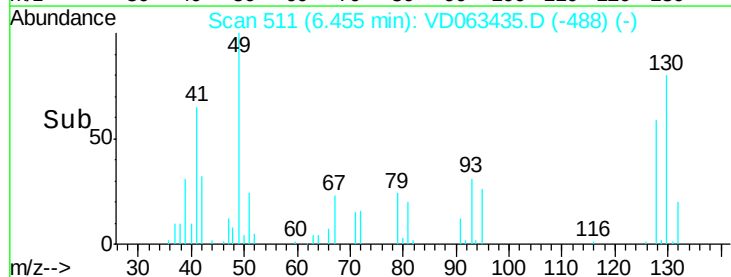
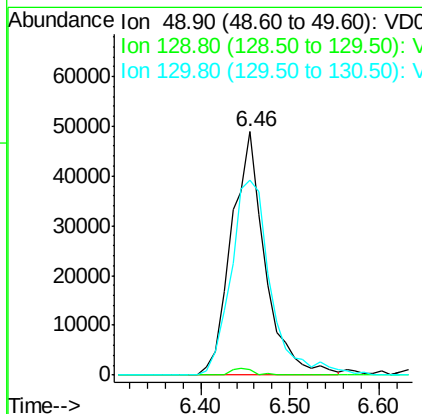
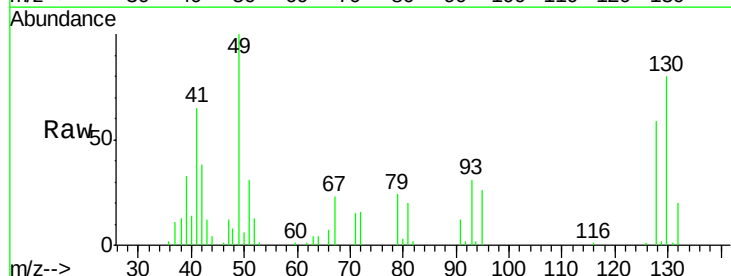
Tot Ion	96	Resp	213003
Ion Ratio	Lower	Upper	
96	100		
61	144.2	0.0	337.2
98	58.0	0.0	130.6

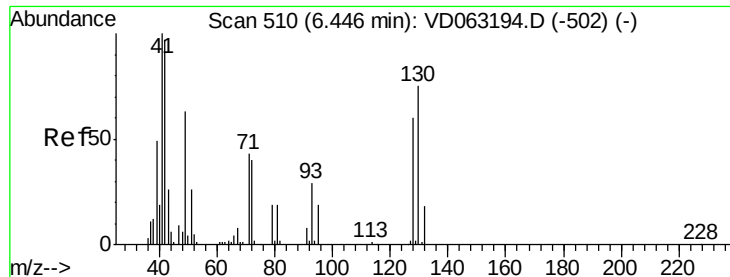


#28

Bromochloromethane
 Concen: 19.376 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.03 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion	49	Resp	129045
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	0.0#
130	80.2	75.7	113.5





#29

Tetrahydrofuran

Concen: 100.321 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

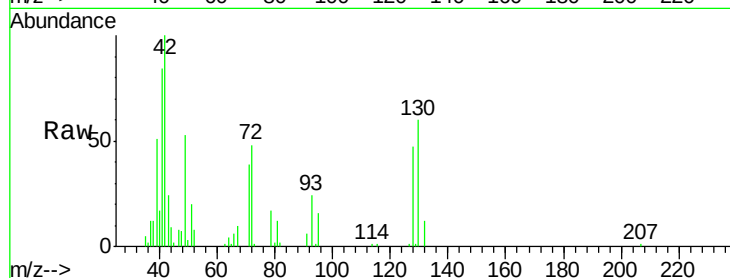
Tot Ion: 42 Resp: 109242

Ion Ratio Lower Upper

42 100

72 42.3 33.4 50.2

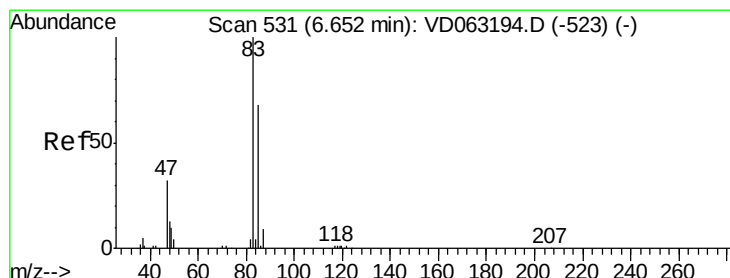
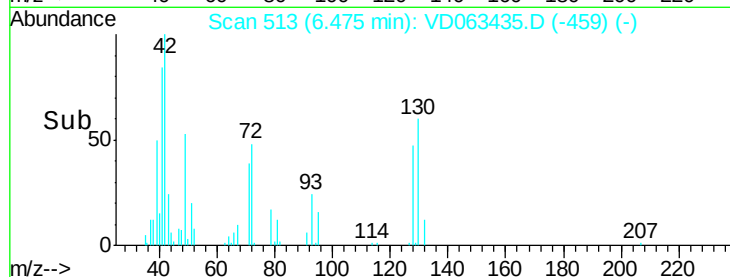
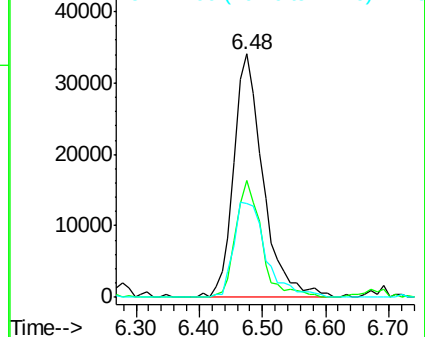
71 43.0 35.7 53.5



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: 20.040 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.03 min

Lab File: VD063435.D

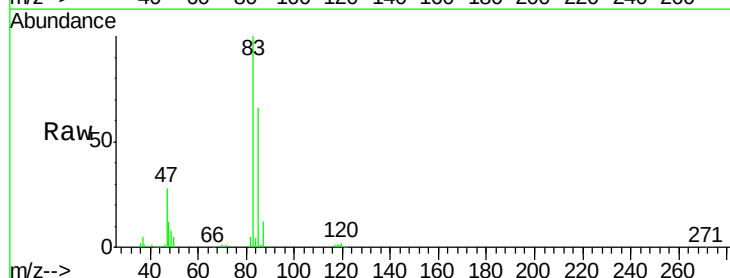
Acq: 8 Aug 2019 13:48

Tgt Ion: 83 Resp: 415711

Ion Ratio Lower Upper

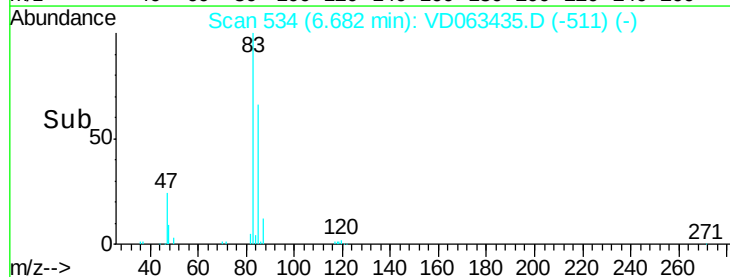
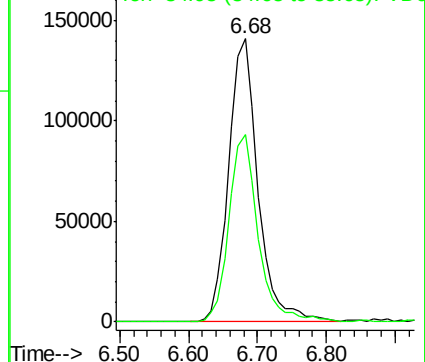
83 100

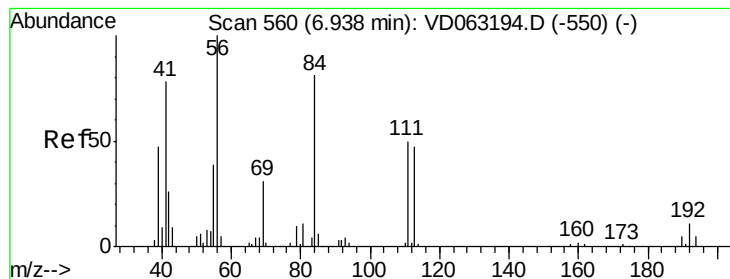
85 66.3 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.689 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

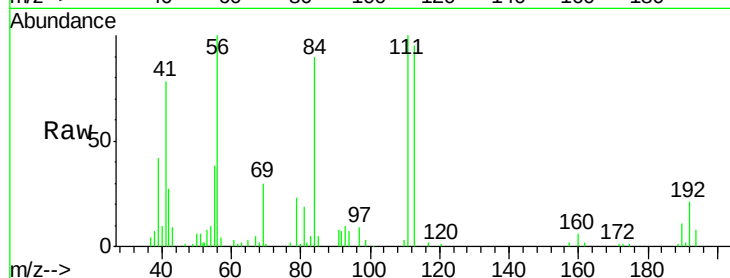
Tot Ion: 56 Resp: 206286

Ion Ratio Lower Upper

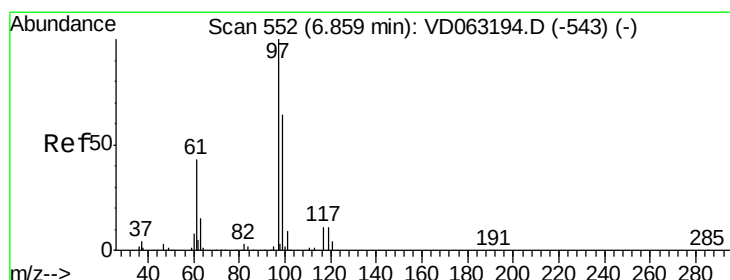
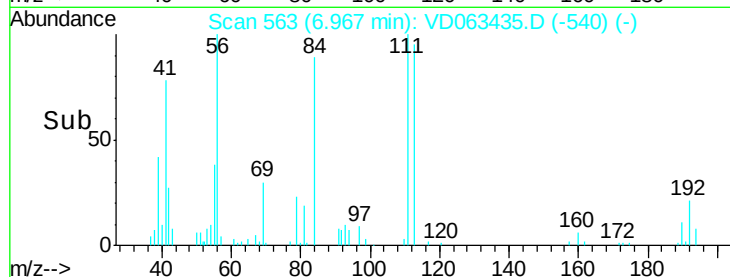
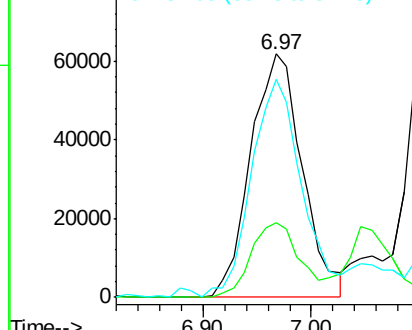
56 100

69 30.5 24.5 36.7

84 89.8 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 20.284 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

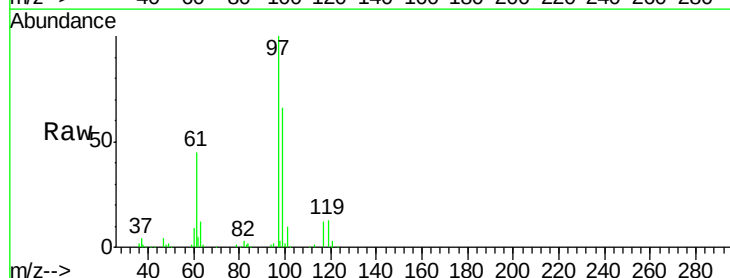
Tgt Ion: 97 Resp: 407002

Ion Ratio Lower Upper

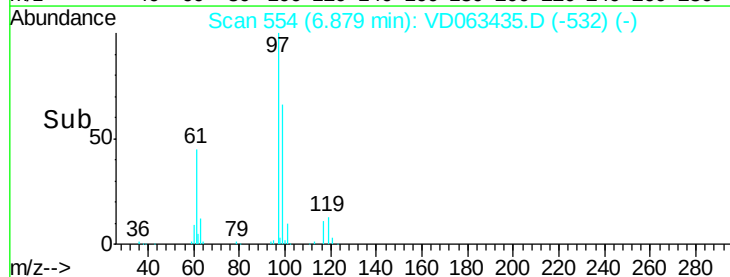
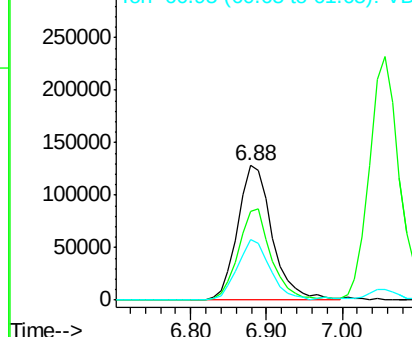
97 100

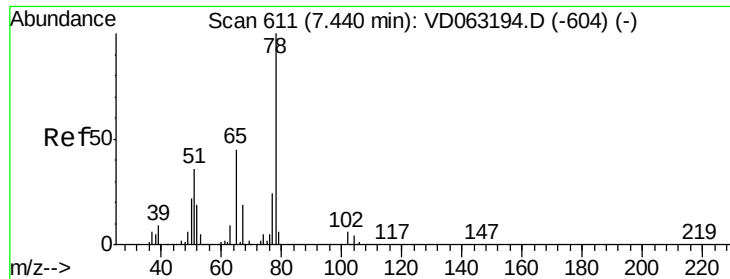
99 65.8 51.2 76.8

61 44.9 34.2 51.2



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

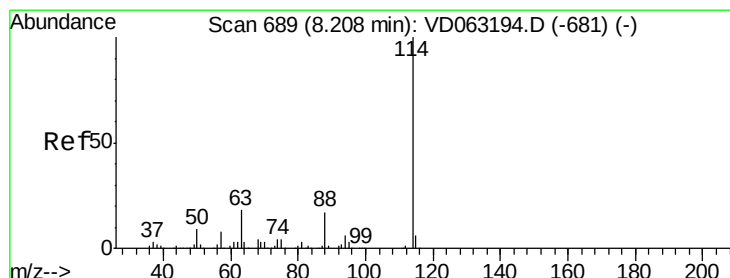
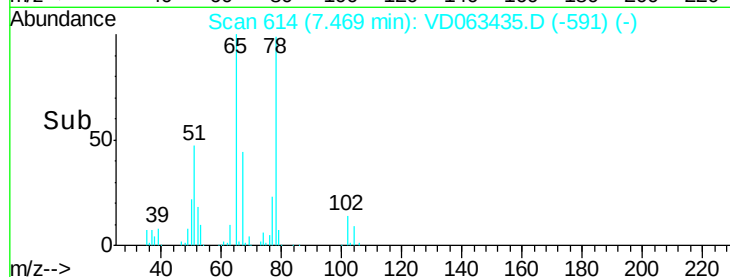
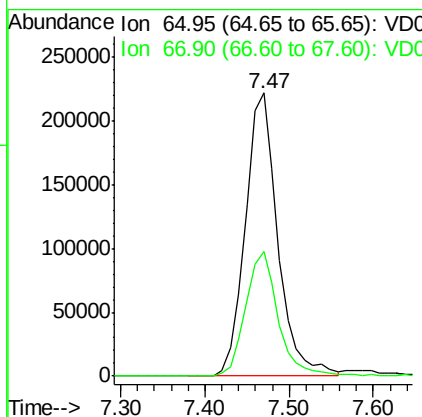
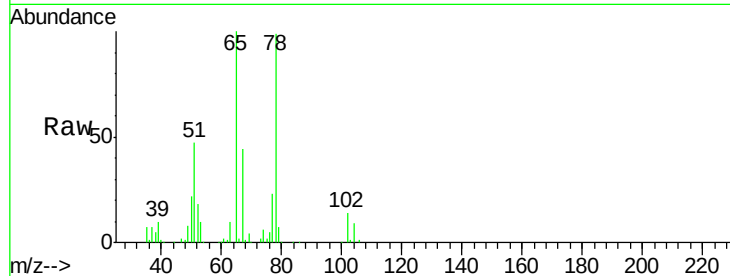




#33
 1,2-Dichloroethane-d4
 Concen: 50.842 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

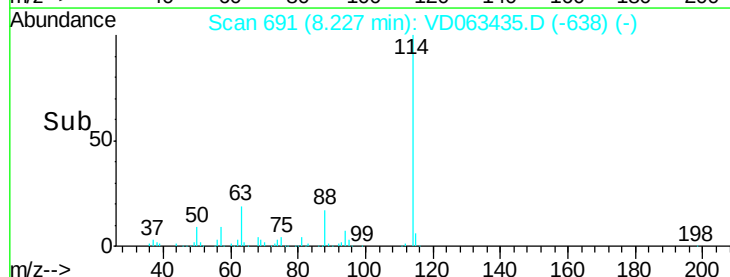
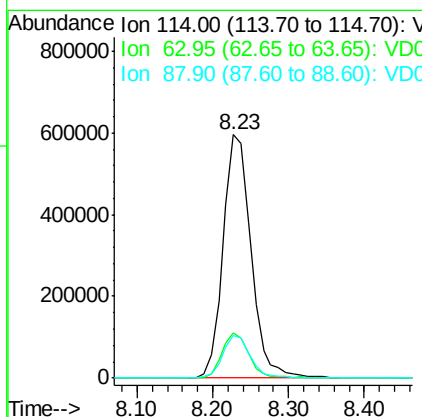
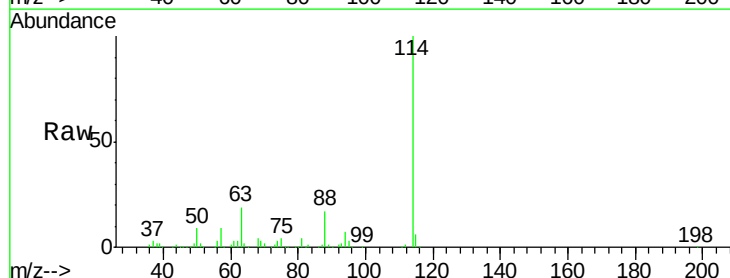
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

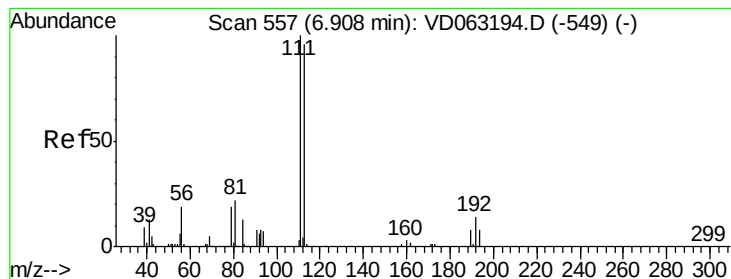
Tot Ion: 65 Resp: 598028
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion: 114 Resp: 1527143
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 17.3 0.0 34.6





#35

Dibromofluoromethane

Concen: 50.563 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

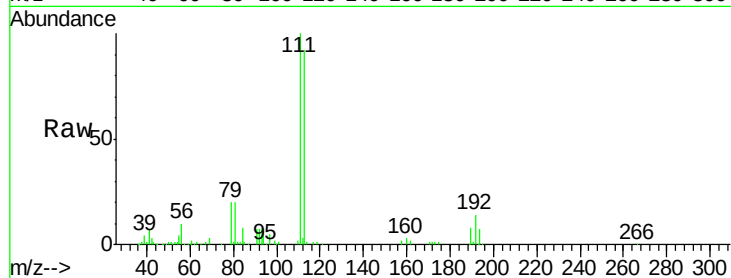
Tot Ion:113 Resp: 659275

Ion Ratio Lower Upper

113 100

111 109.0 83.2 124.8

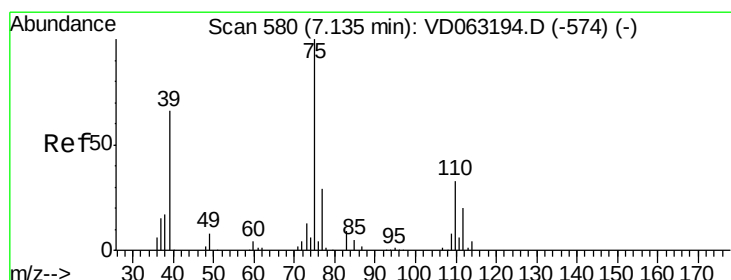
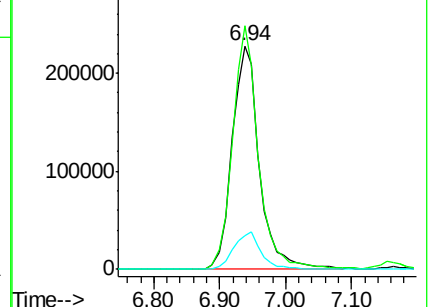
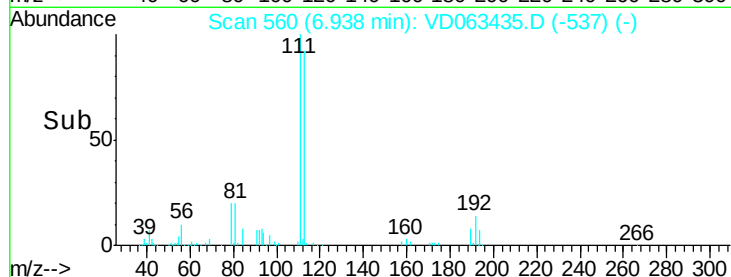
192 15.3 11.8 17.8



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: 20.209 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

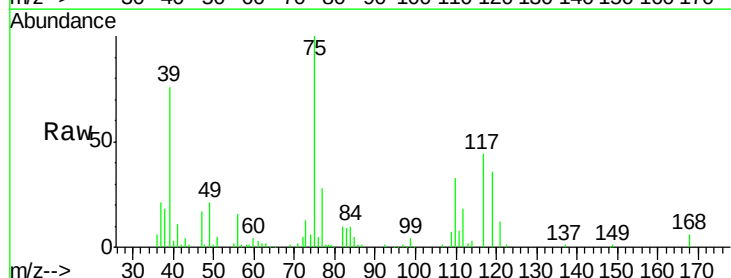
Tgt Ion: 75 Resp: 281649

Ion Ratio Lower Upper

75 100

110 32.5 16.1 48.2

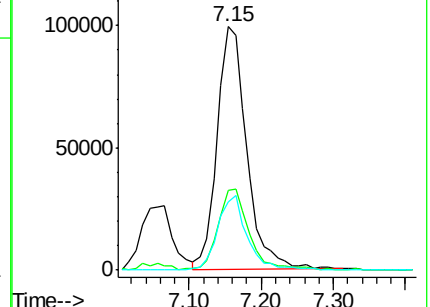
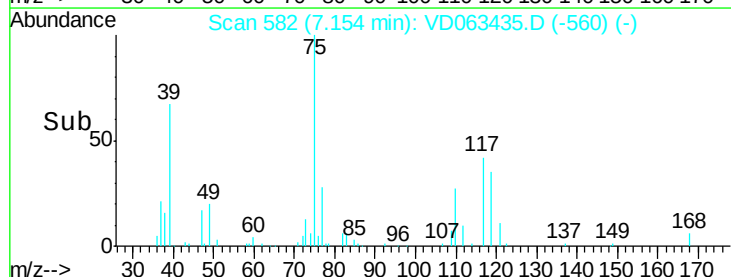
77 27.9 22.7 34.1

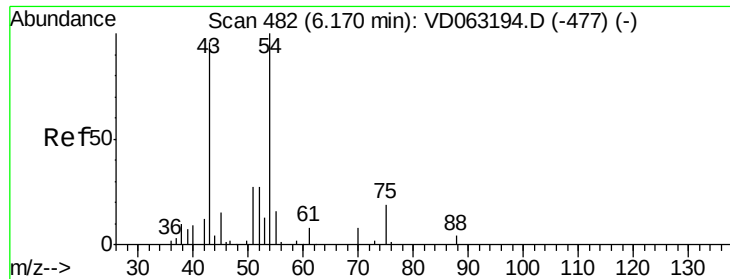


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 18.857 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

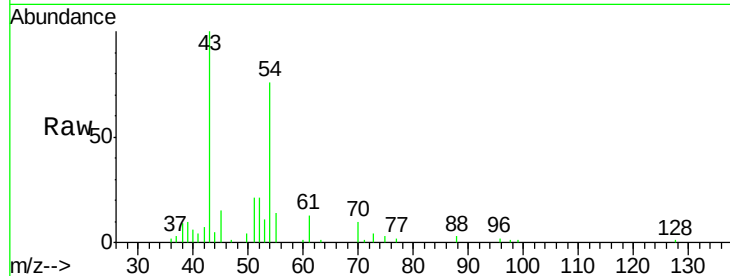
Tot Ion: 43 Resp: 118069

Ion Ratio Lower Upper

43 100

61 12.7 11.3 16.9

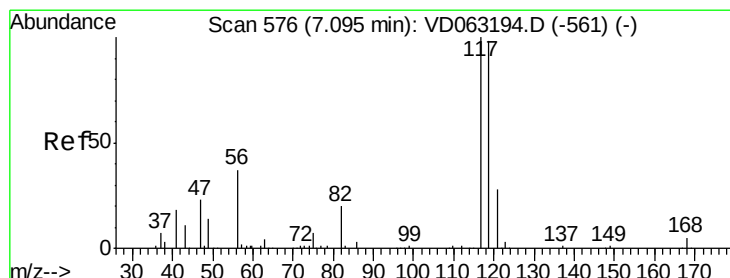
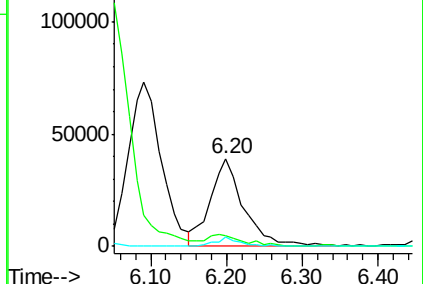
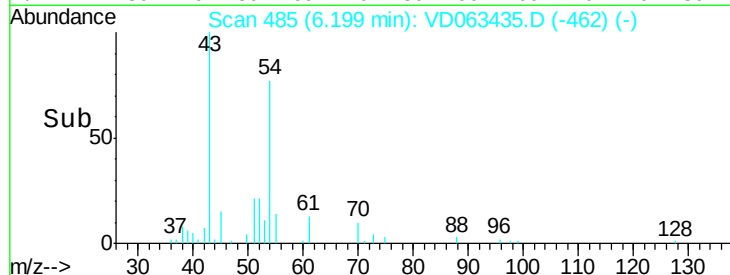
70 10.0 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.454 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

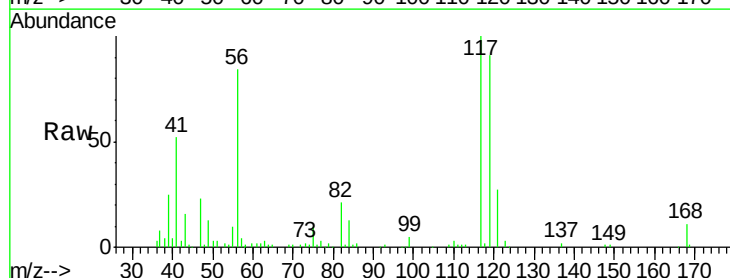
Tgt Ion: 117 Resp: 408174

Ion Ratio Lower Upper

117 100

119 90.6 78.2 117.2

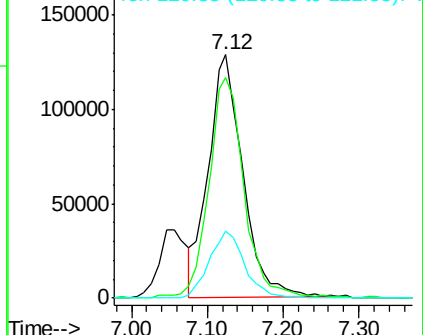
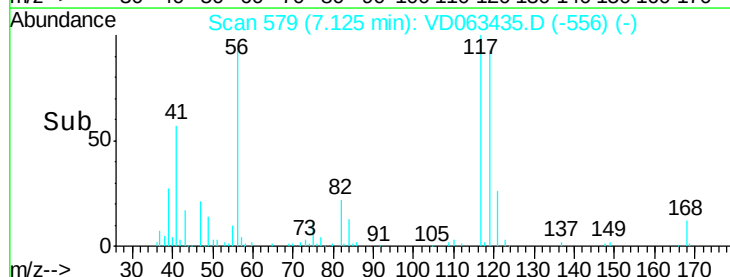
121 27.4 22.1 33.1

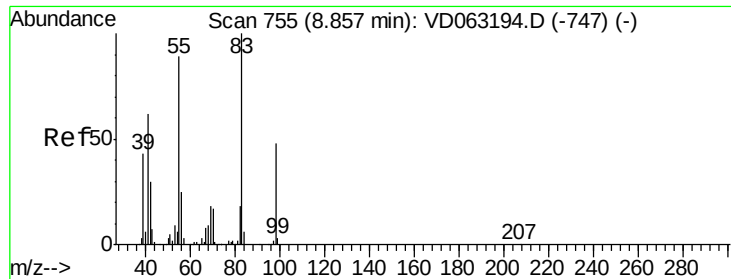


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

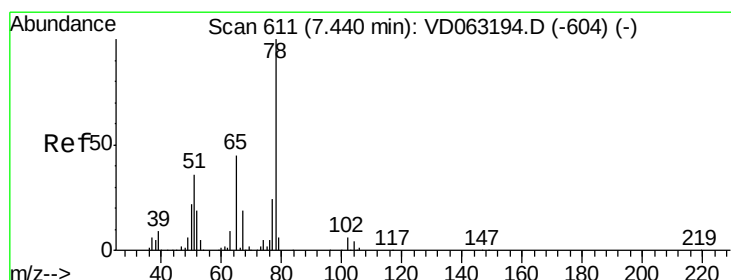
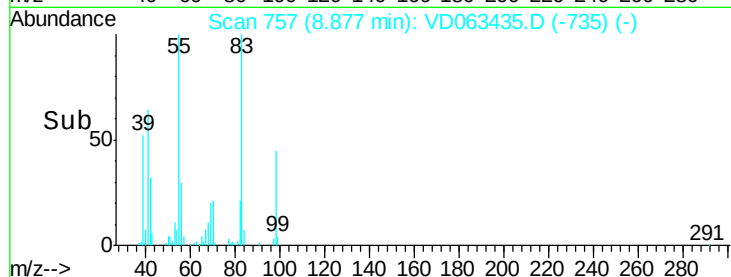
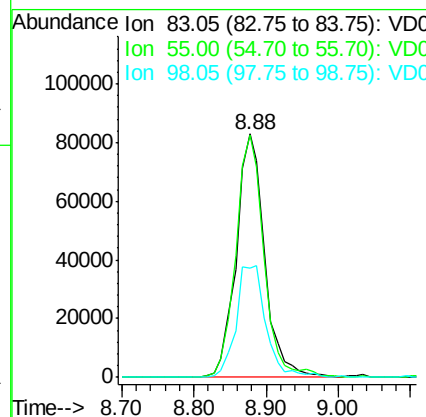
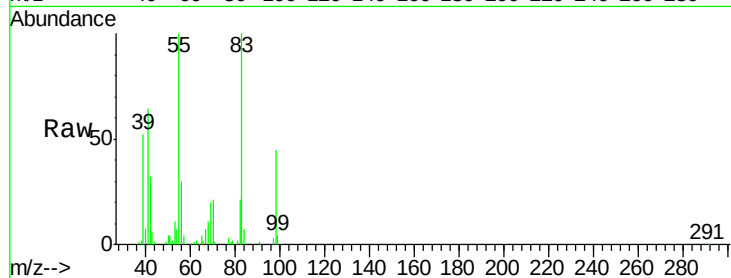




#39
Methylvlcyclohexane
Concen: 19.568 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

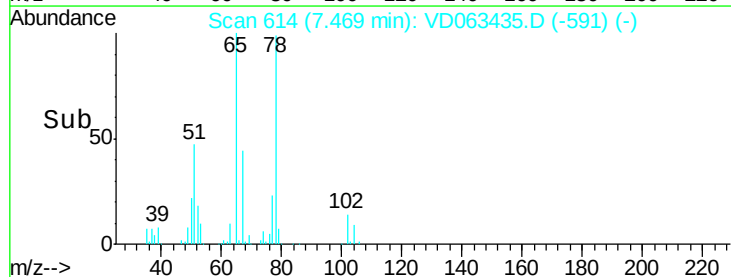
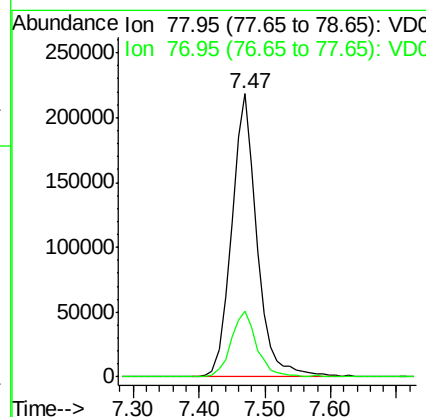
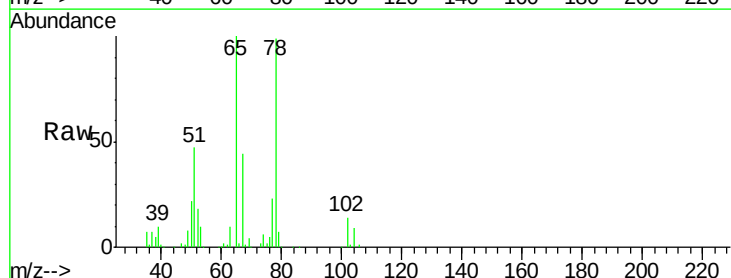
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

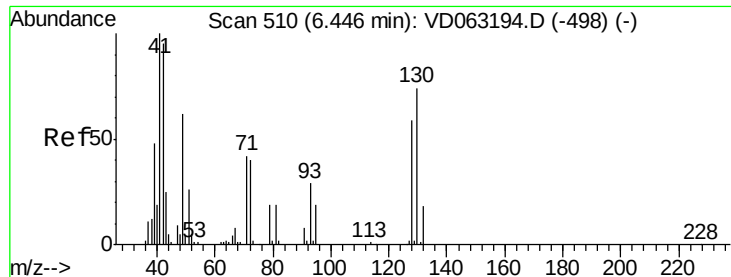
Tot Ion: 83 Resp: 227222
Ion Ratio Lower Upper
83 100
55 99.5 71.1 106.7
98 45.0 38.5 57.7



#40
Benzene
Concen: 20.076 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 78 Resp: 586420
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.2

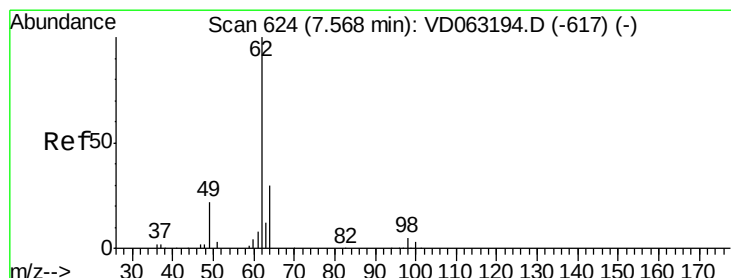
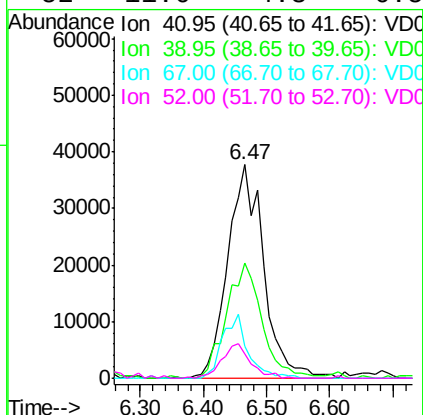
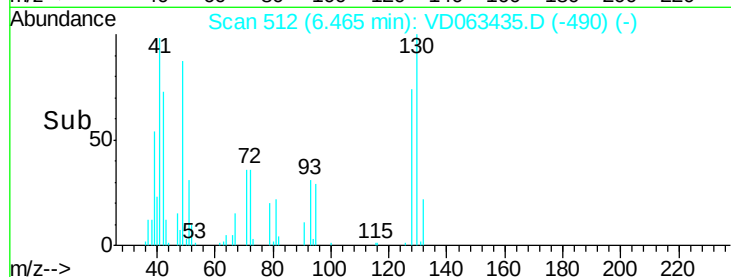
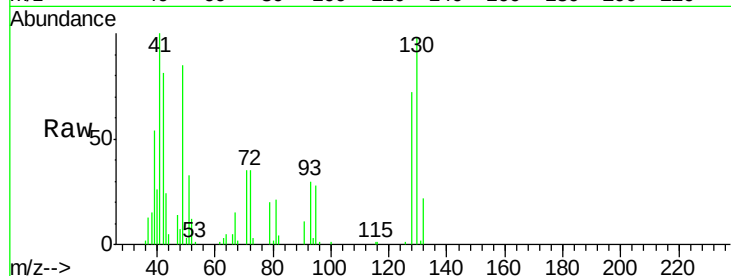




#41
Methacrylonitrile
Concen: 19.864 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

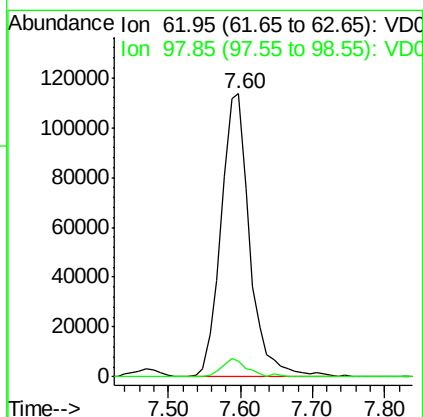
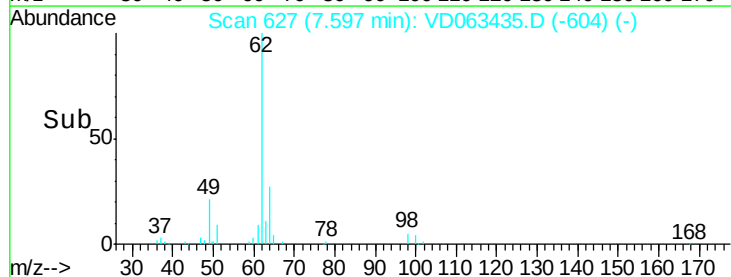
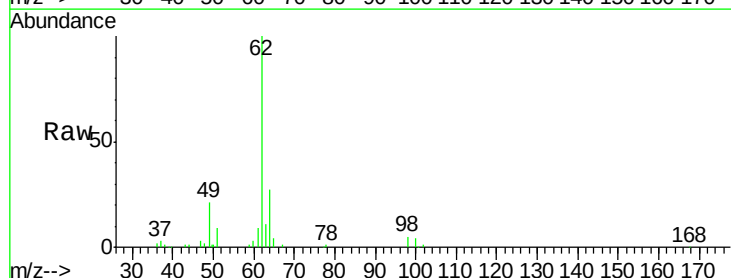
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

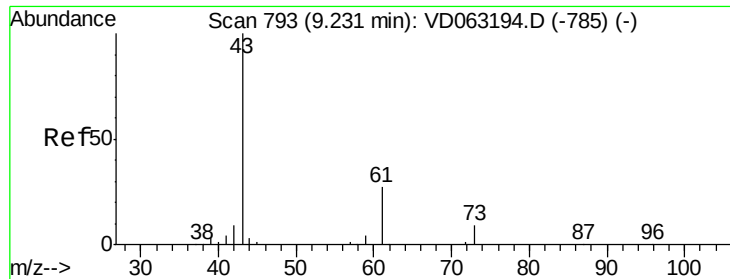
Tot Ion: 41 Resp: 148781
Ion Ratio Lower Upper
41 100
39 54.0 38.4 57.6
67 15.1 6.7 10.1#
52 11.6 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 20.169 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.03 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 62 Resp: 312223
Ion Ratio Lower Upper
62 100
98 5.4 0.0 9.8





#43

Isopropyl Acetate

Concen: 17.908 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

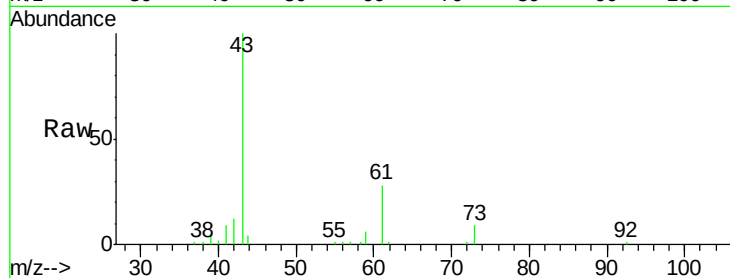
Tot Ion: 43 Resp: 143229

Ion Ratio Lower Upper

43 100

61 27.6 21.4 32.0

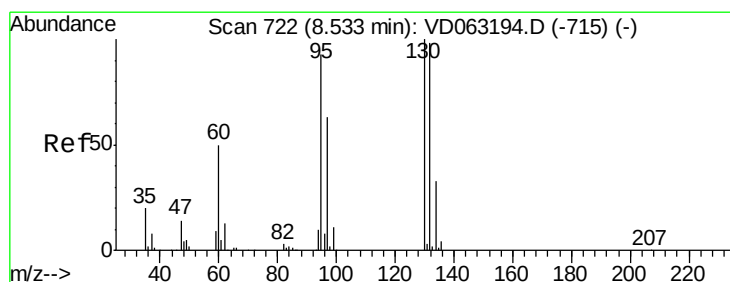
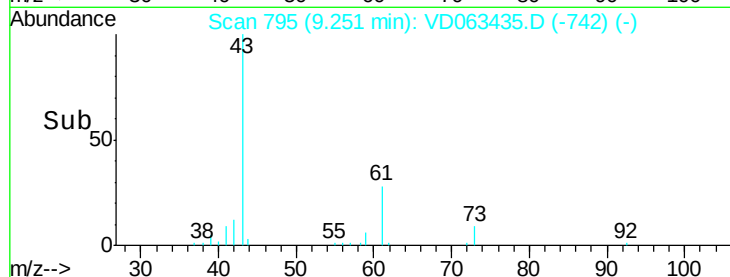
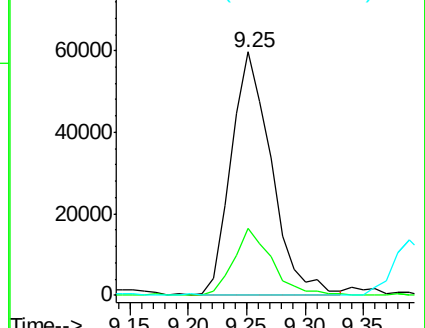
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.866 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.02 min

Lab File: VD063435.D

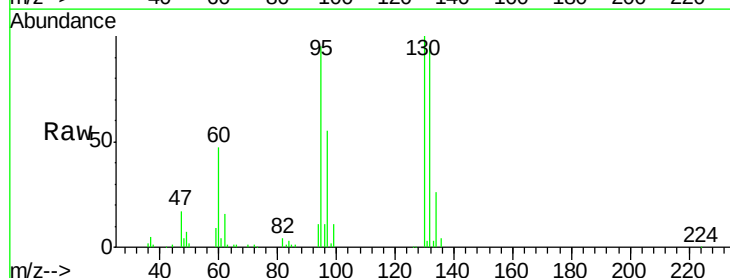
Acq: 8 Aug 2019 13:48

Tgt Ion:130 Resp: 235131

Ion Ratio Lower Upper

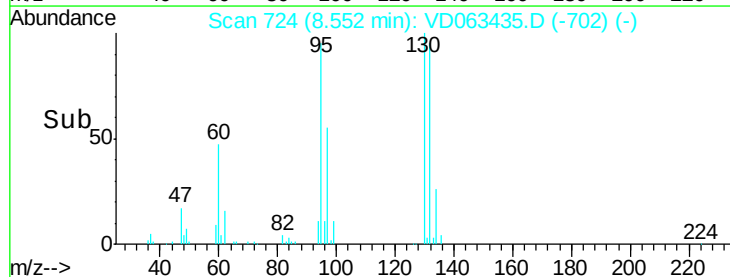
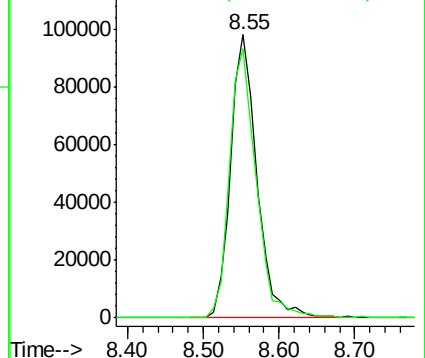
130 100

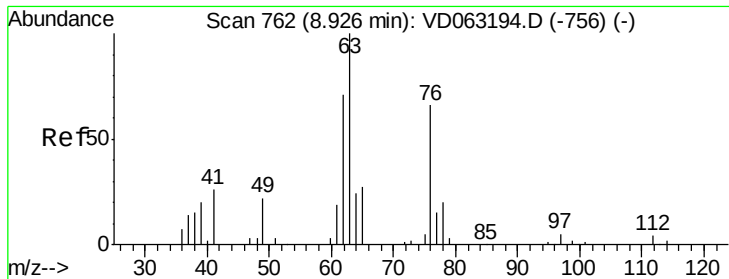
95 95.0 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.445 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

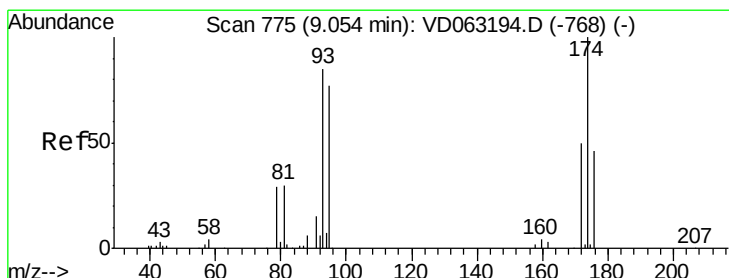
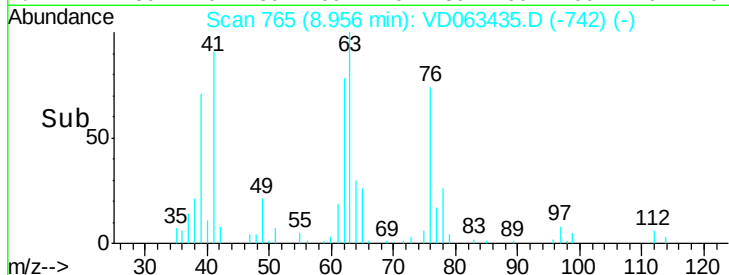
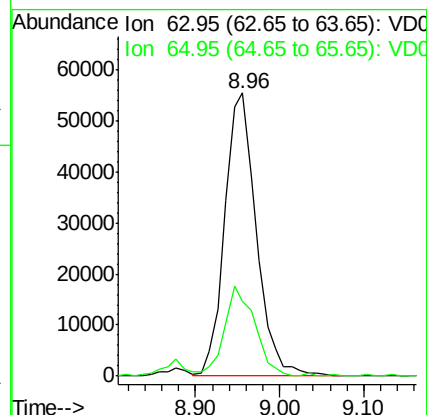
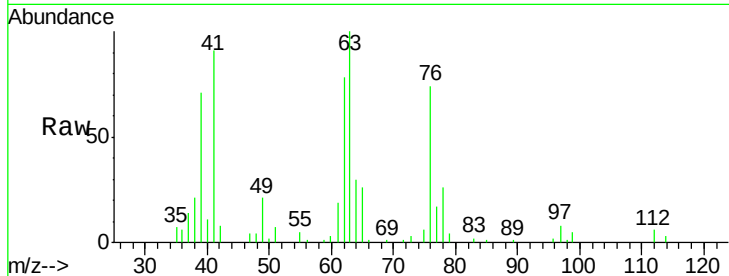
VD0808SBSD01

Tot Ion: 63 Resp: 144367

Ion Ratio Lower Upper

63 100

65 26.3 23.6 35.4



#46

Dibromomethane

Concen: 18.064 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

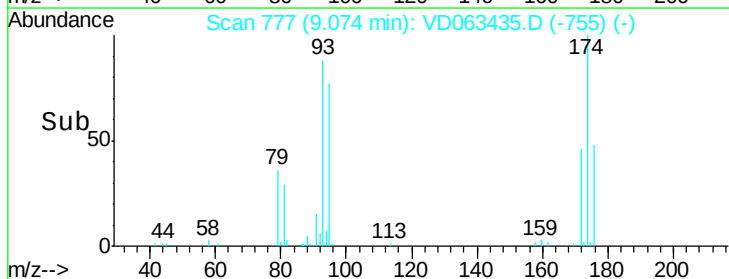
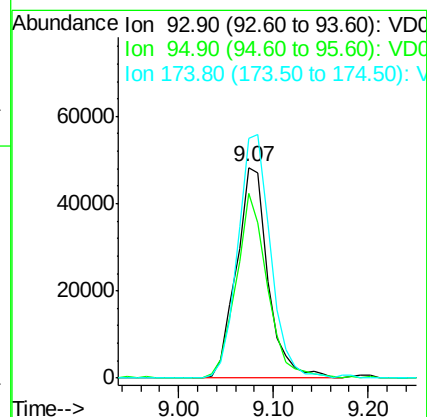
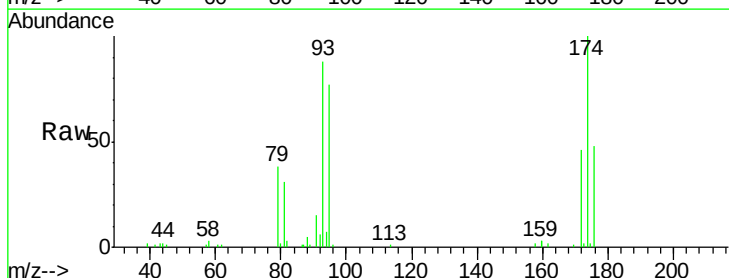
Tgt Ion: 93 Resp: 111515

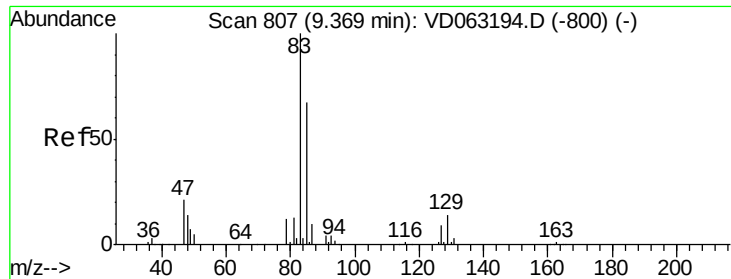
Ion Ratio Lower Upper

93 100

95 87.9 72.8 109.2

174 113.8 94.4 141.6





#47

Bromodichloromethane

Concen: 19.984 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

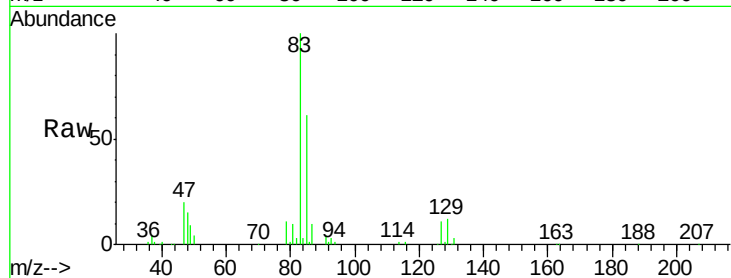
Tot Ion: 83 Resp: 314464

Ion Ratio Lower Upper

83 100

85 60.7 53.6 80.4

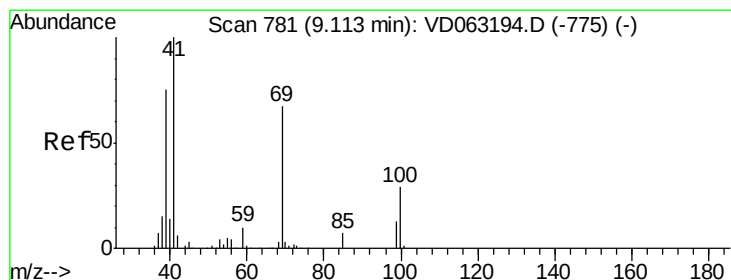
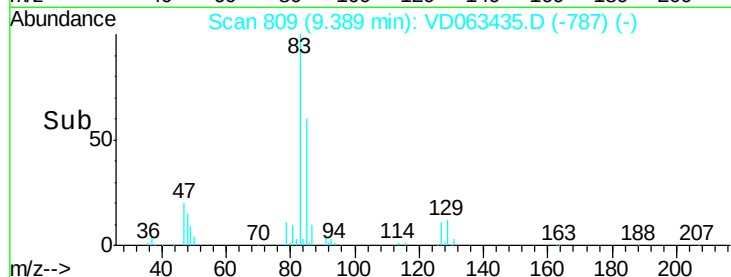
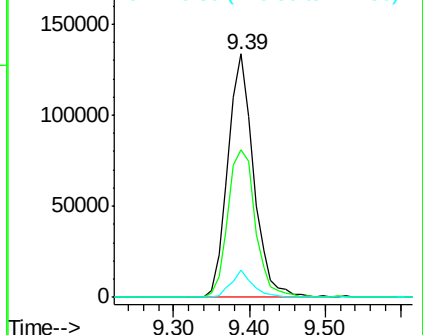
127 11.2 7.2 10.8#



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: 18.658 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

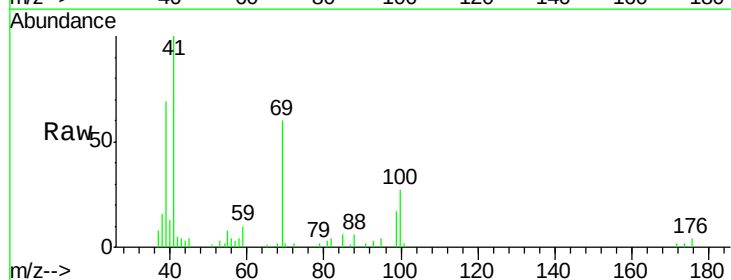
Tgt Ion: 41 Resp: 96784

Ion Ratio Lower Upper

41 100

69 59.7 53.4 80.0

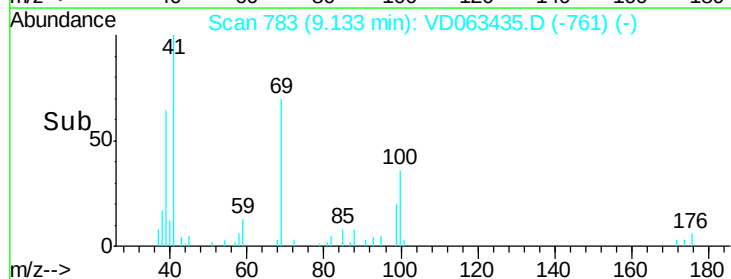
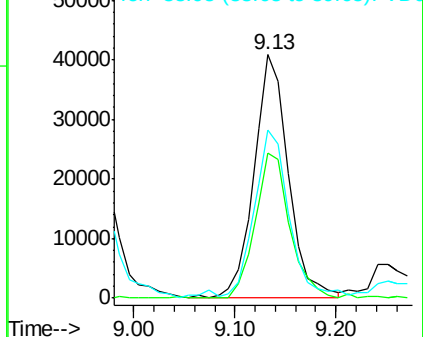
39 69.0 60.3 90.5

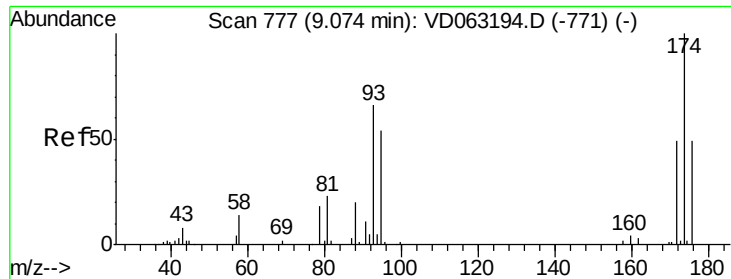


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

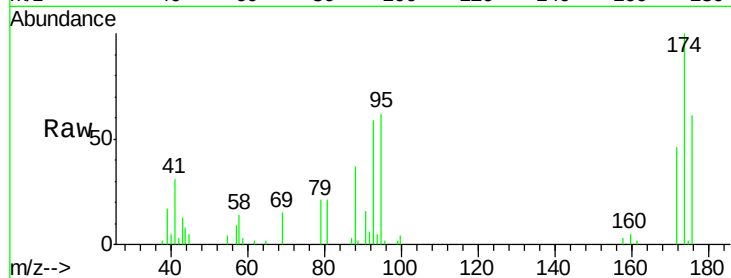




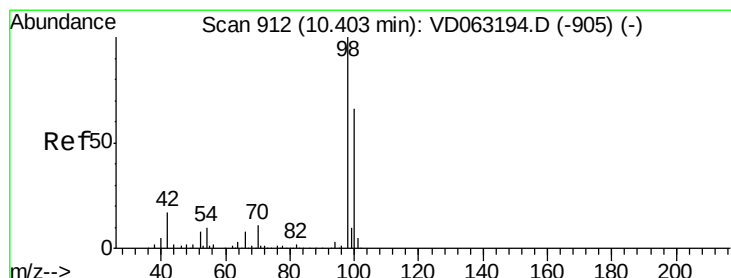
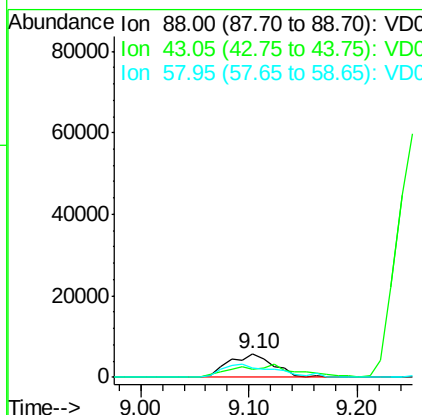
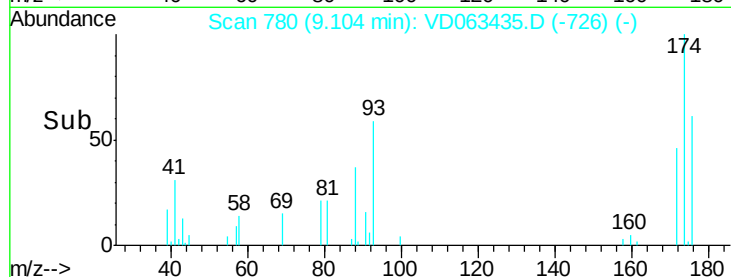
#49
1,4-Dioxane
Concen: 371.193 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.03 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion: 88 Resp: 16425
Ion Ratio Lower Upper
88 100
43 36.4 30.7 46.1
58 38.4 56.5 84.7#

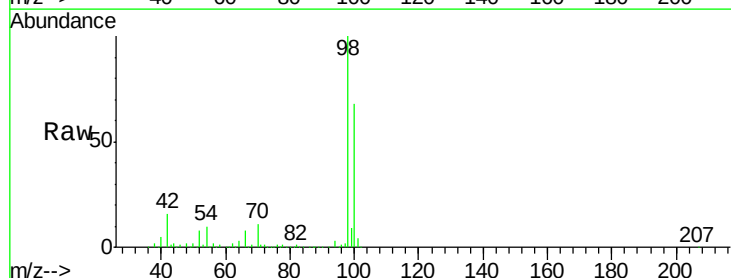


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

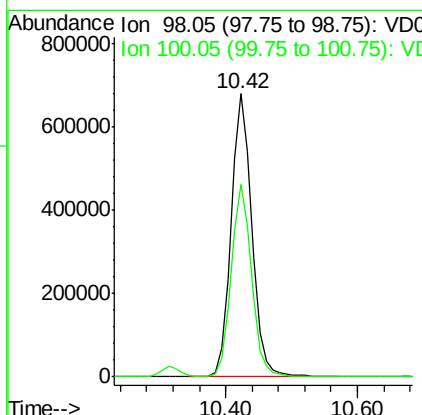
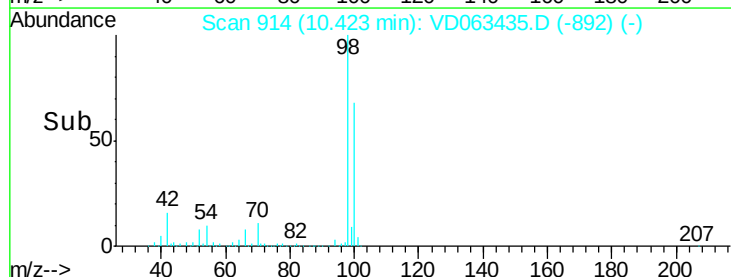


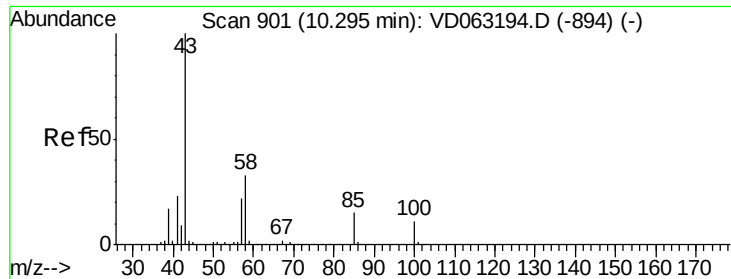
#50
Toluene-d8
Concen: 51.442 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 98 Resp: 1501099
Ion Ratio Lower Upper
98 100
100 68.2 53.2 79.8



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

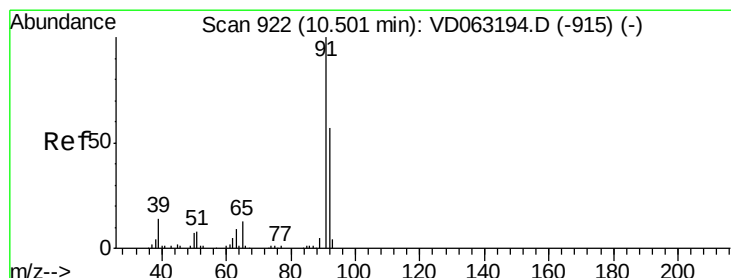
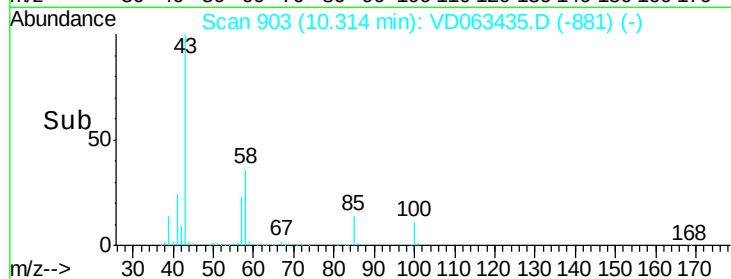
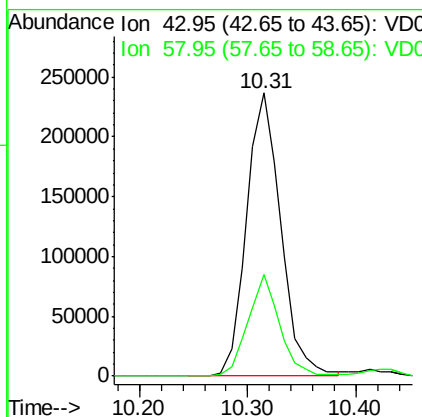
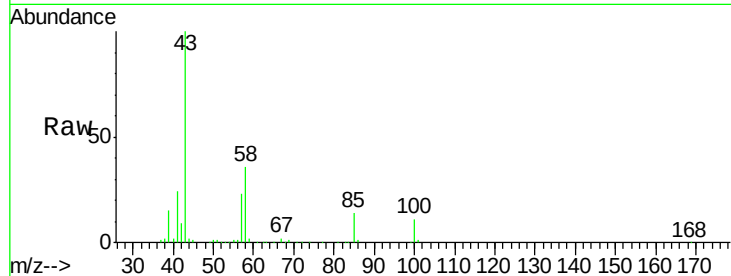




#51
4-Methyl-2-Pentanone
Concen: 96.071 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

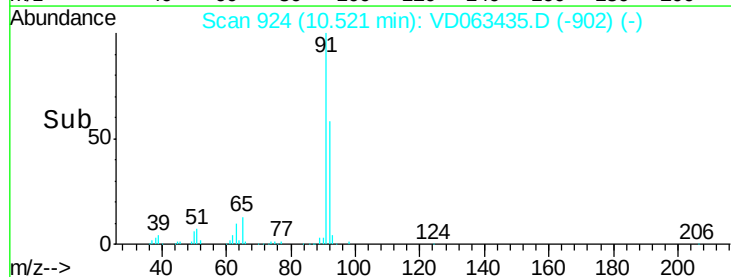
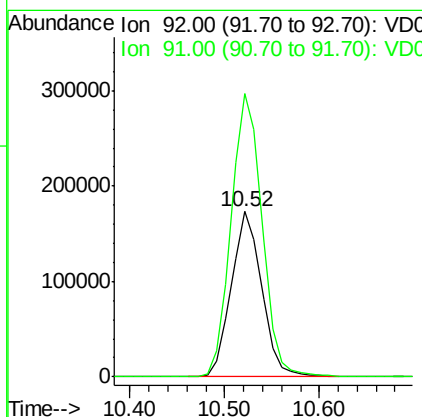
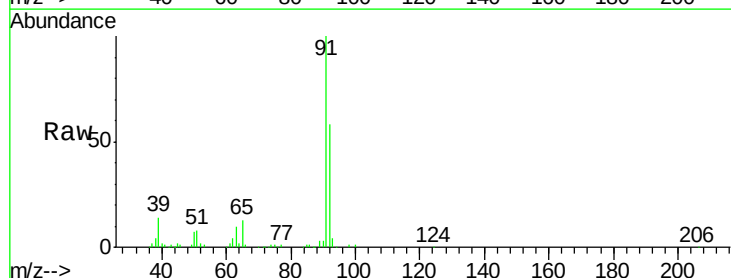
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

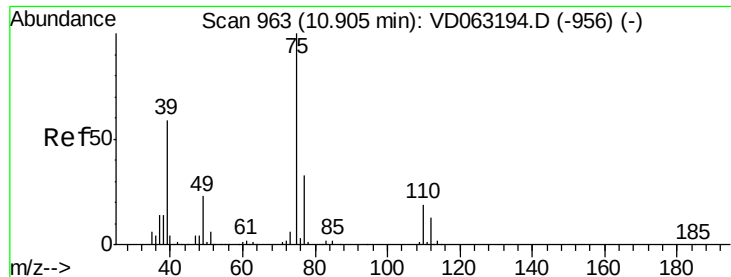
Tot Ion: 43 Resp: 522575
Ion Ratio Lower Upper
43 100
58 35.8 26.2 39.2



#52
Toluene
Concen: 19.957 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 92 Resp: 387715
Ion Ratio Lower Upper
92 100
91 171.4 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 19.019 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

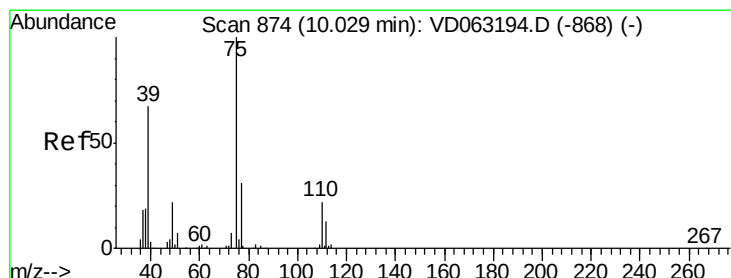
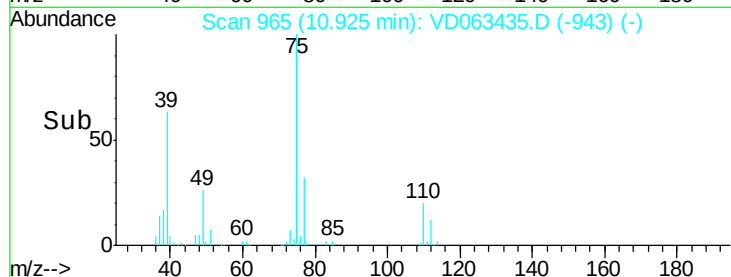
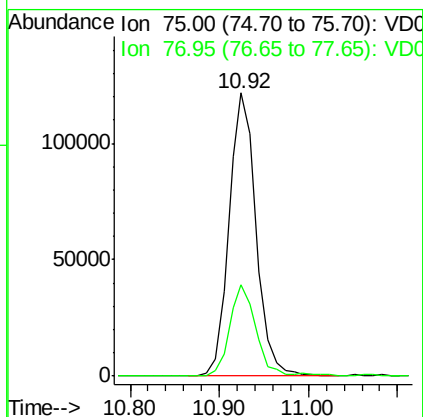
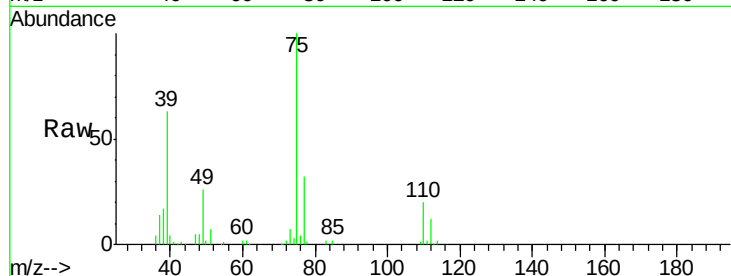
VD0808SBSD01

Tot Ion: 75 Resp: 258029

Ion Ratio Lower Upper

75 100

77 32.5 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 20.430 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

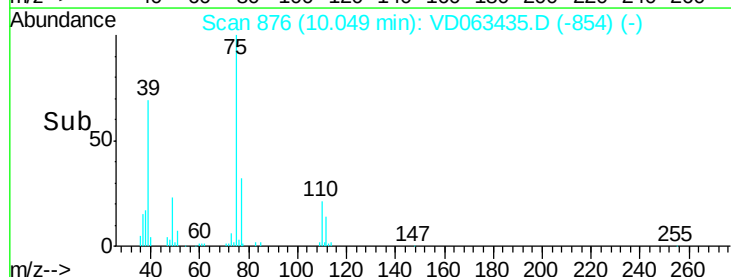
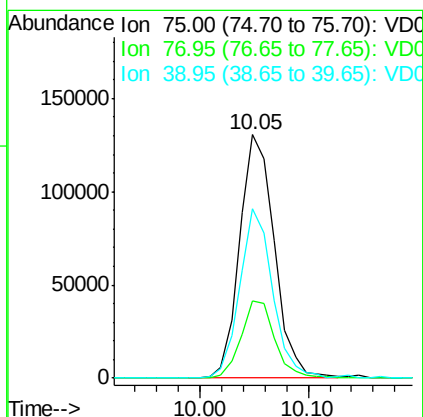
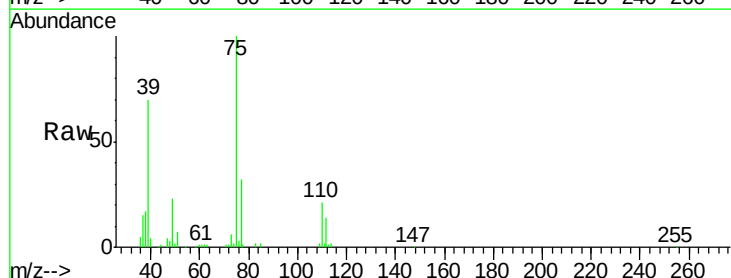
Tgt Ion: 75 Resp: 291295

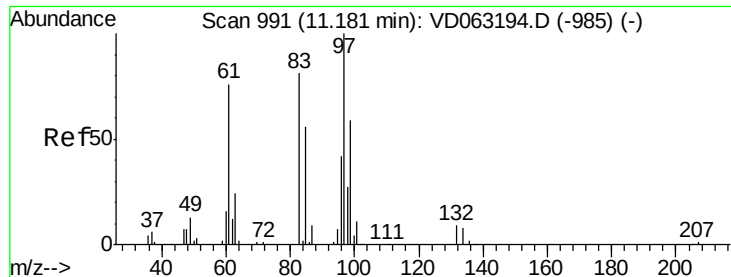
Ion Ratio Lower Upper

75 100

77 31.8 24.9 37.3

39 69.7 53.9 80.9

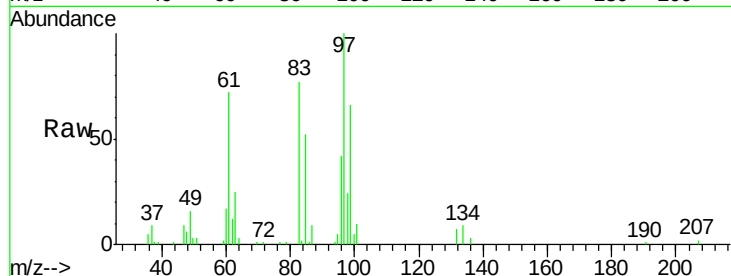




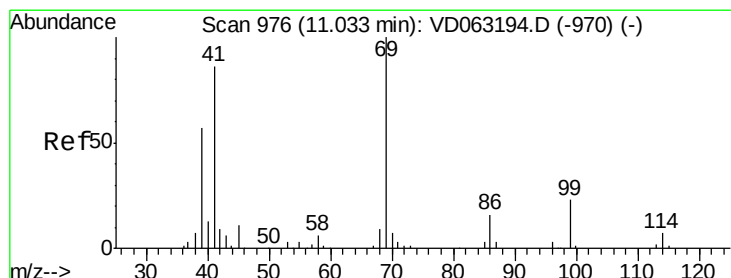
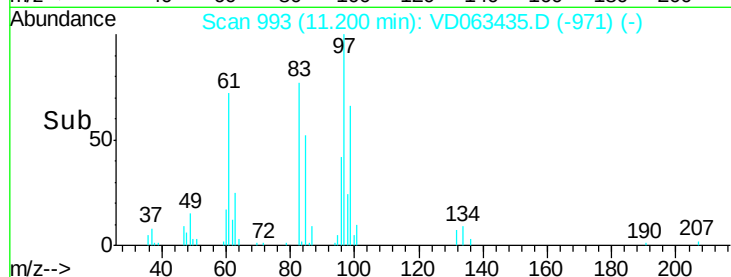
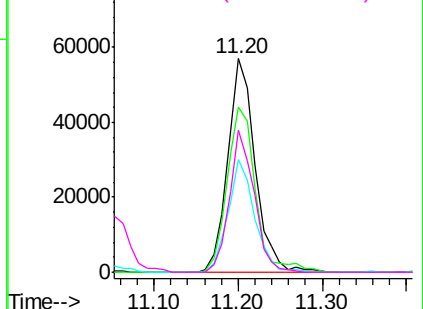
#55
 1,1,2-Trichloroethane
 Concen: 19.630 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Tot Ion:	97	Resp:	128797
Ion	Ratio	Lower	Upper
97	100		
83	77.4	64.8	97.2
85	52.5	44.9	67.3
99	66.3	47.2	70.8

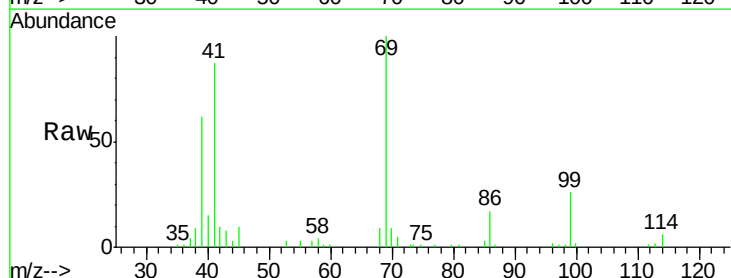


Abundance Ion 96.85 (96.55 to 97.55): VDC

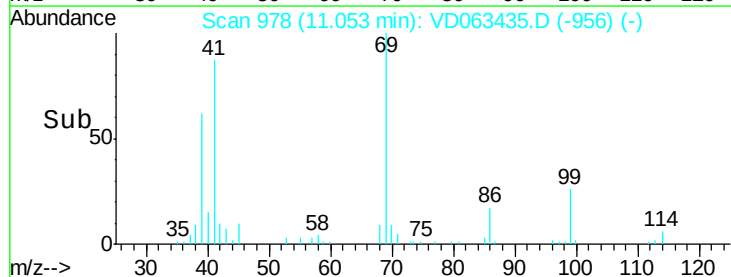
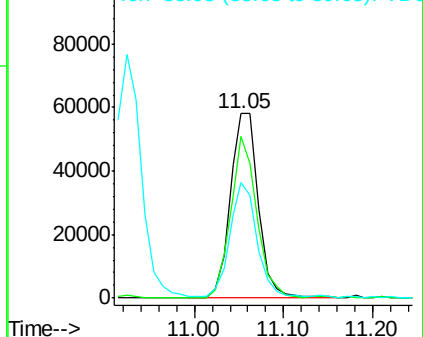


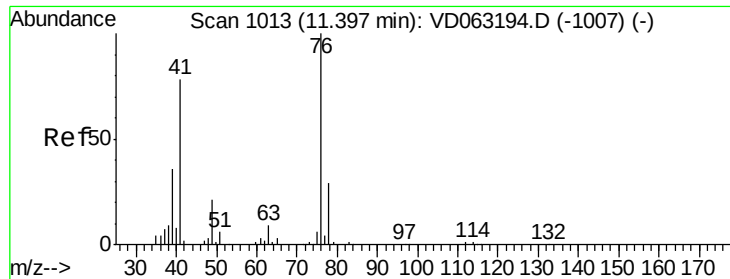
#56
 Ethyl methacrylate
 Concen: 17.910 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion:	69	Resp:	128678
Ion	Ratio	Lower	Upper
69	100		
41	87.5	68.8	103.2
39	62.4	45.8	68.8



Abundance Ion 69.00 (68.70 to 69.70): VDC





#57

1,3-Dichloropropane

Concen: 19.763 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

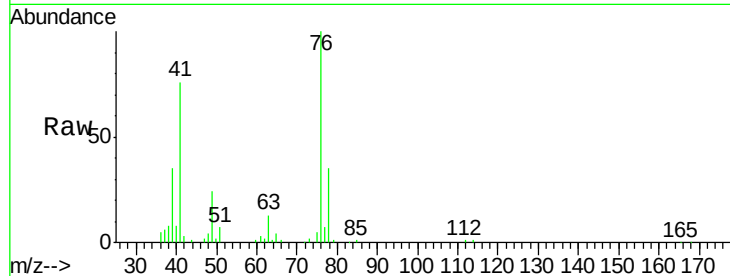
VD0808SBS01

Tot Ion: 76 Resp: 204310

Ion Ratio Lower Upper

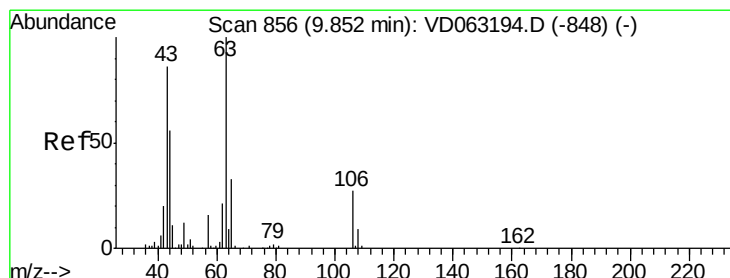
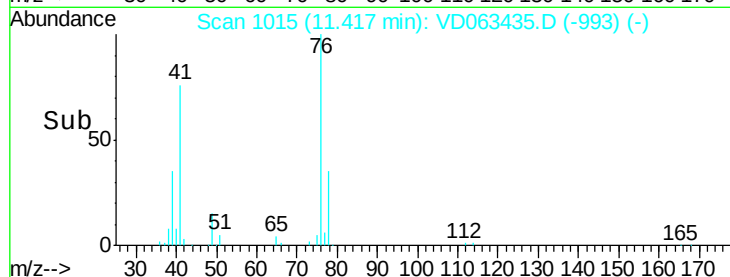
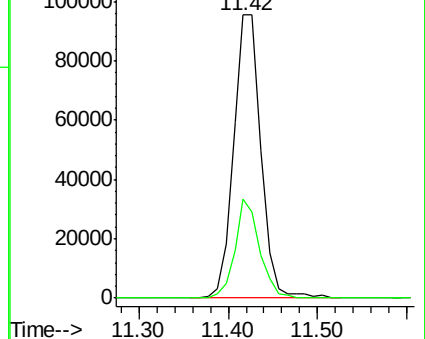
76 100

78 34.8 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.432 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD063435.D

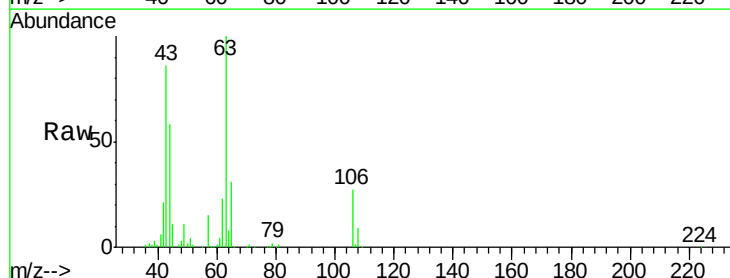
Acq: 8 Aug 2019 13:48

Tgt Ion: 63 Resp: 382946

Ion Ratio Lower Upper

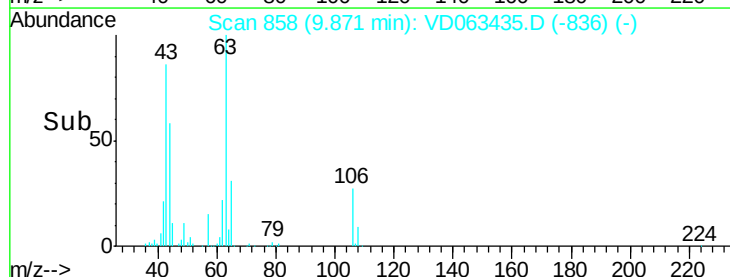
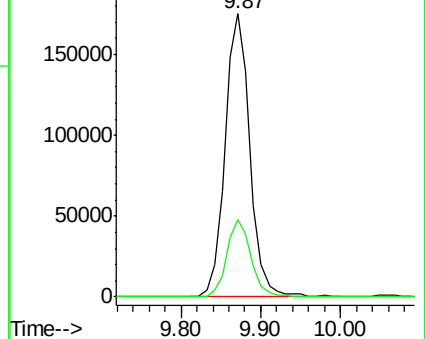
63 100

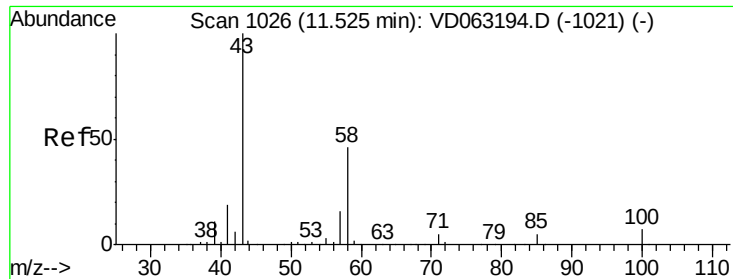
106 27.3 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

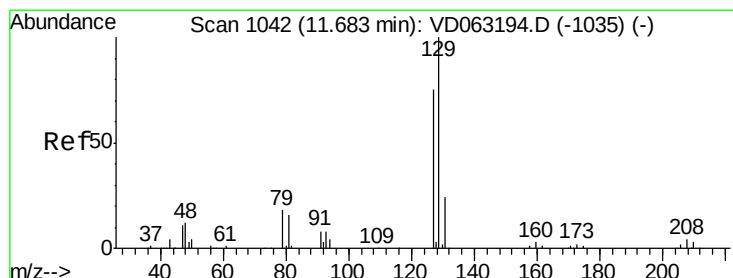
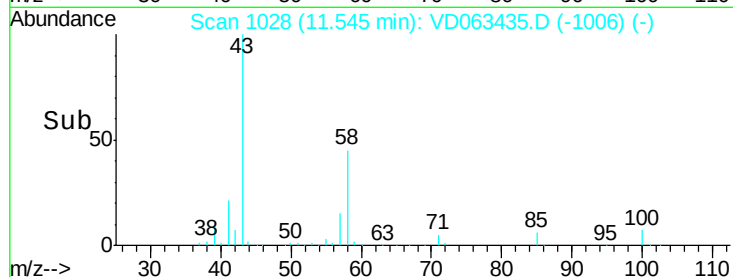
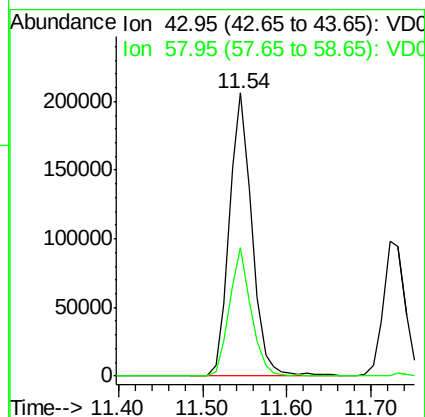
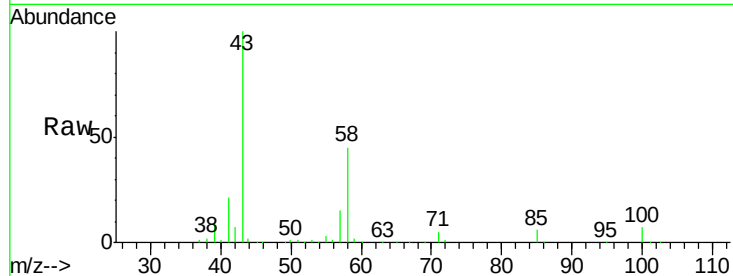




#59
2-Hexanone
Concen: 97.781 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

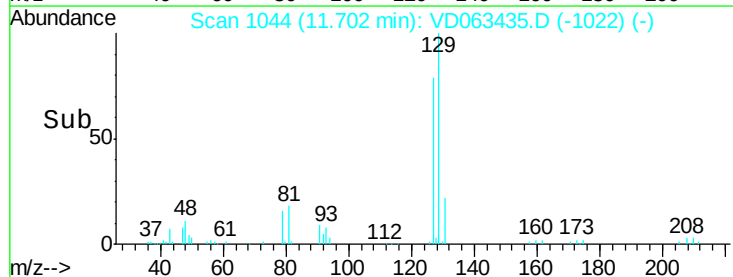
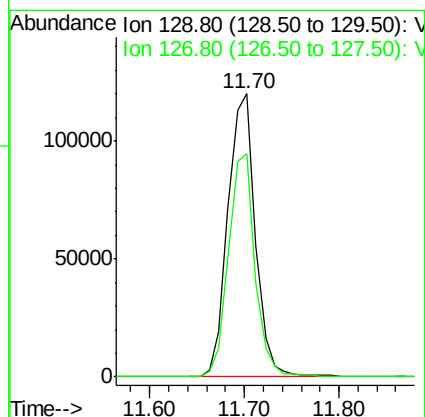
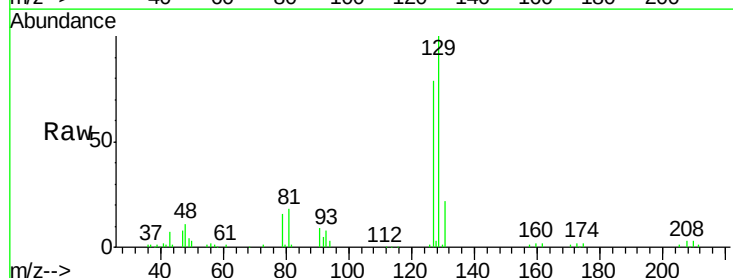
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

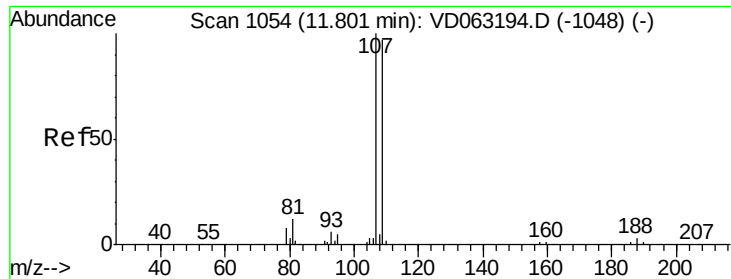
Tot Ion: 43 Resp: 383292
Ion Ratio Lower Upper
43 100
58 45.3 22.9 68.5



#60
Dibromochloromethane
Concen: 19.504 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 129 Resp: 241585
Ion Ratio Lower Upper
129 100
127 78.7 37.6 112.8

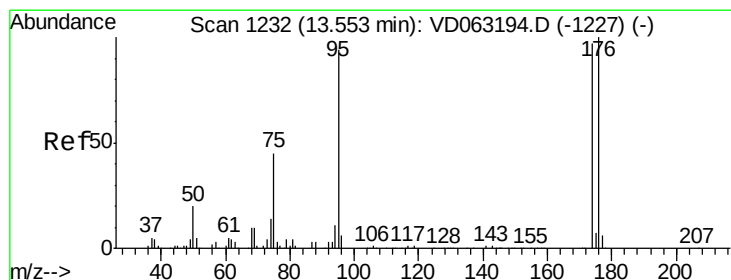
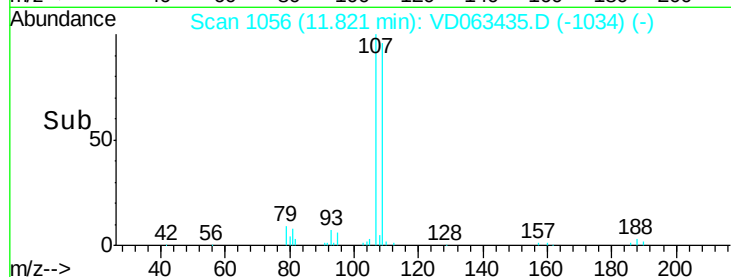
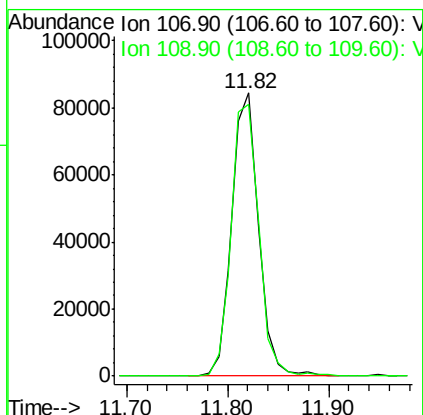
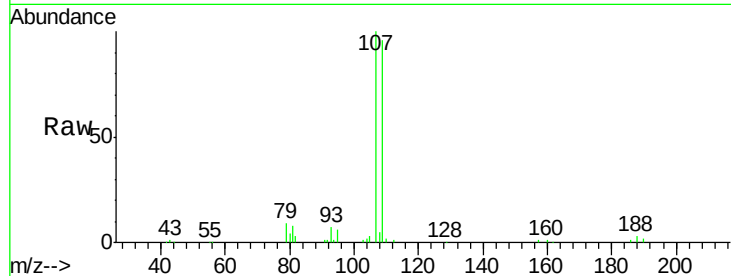




#61
 1,2-Dibromoethane
 Concen: 19.138 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

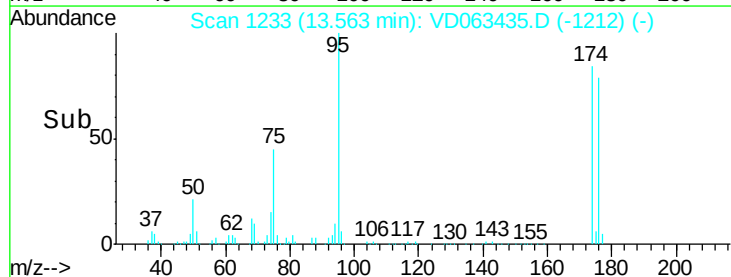
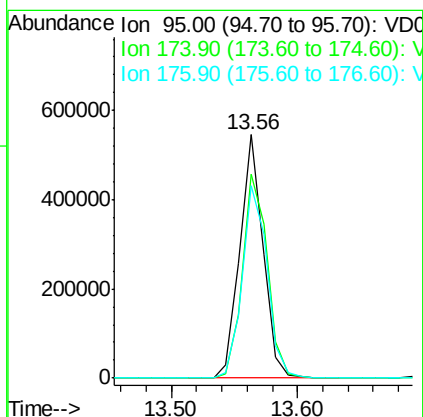
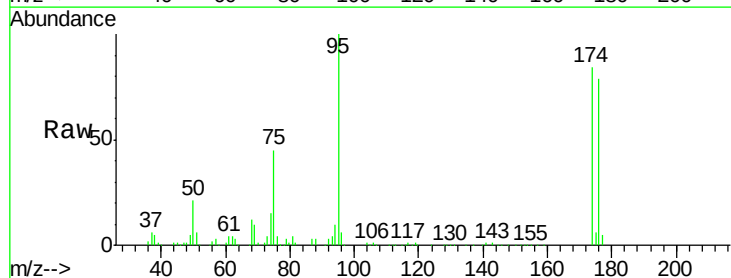
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

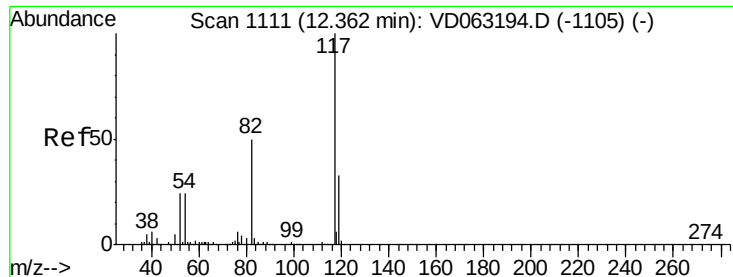
Tot Ion:107 Resp: 154945
 Ion Ratio Lower Upper
 107 100
 109 96.2 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 51.985 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion: 95 Resp: 691261
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 205.4
 176 79.2 0.0 211.8

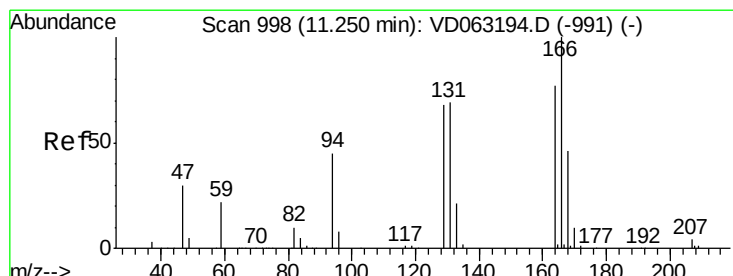
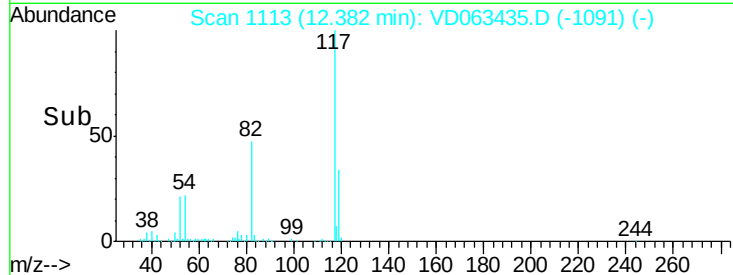
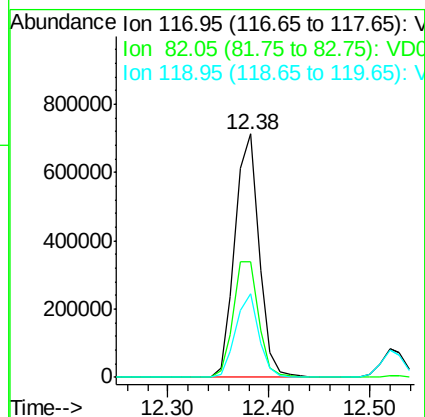
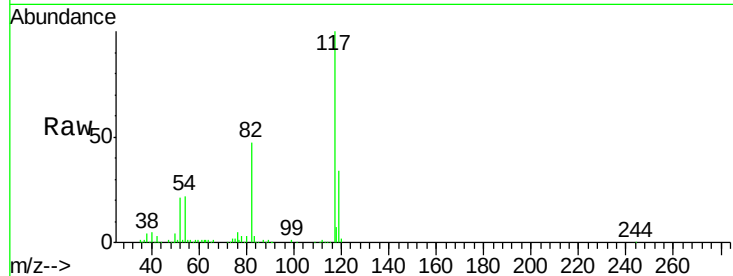




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

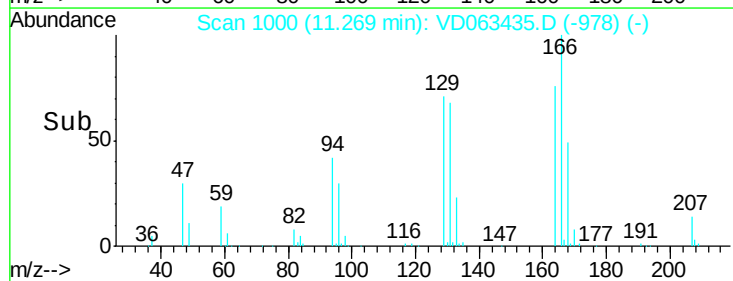
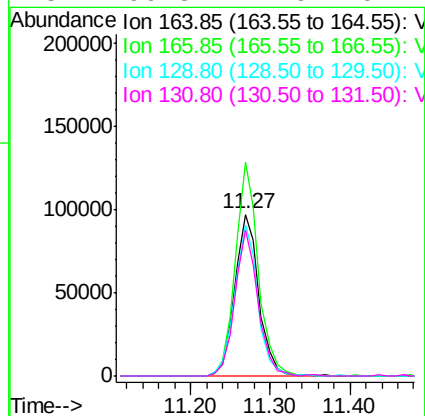
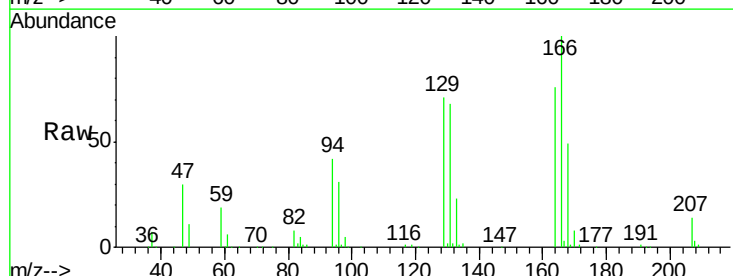
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

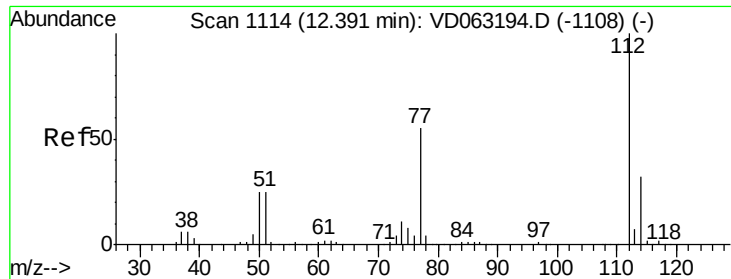
Tot Ion:117 Resp: 1191202
Ion Ratio Lower Upper
117 100
82 47.3 40.1 60.1
119 34.2 26.5 39.7



#64
Tetrachloroethene
Concen: 21.568 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion:164 Resp: 204679
Ion Ratio Lower Upper
164 100
166 132.0 104.3 156.5
129 93.3 70.9 106.3
131 90.3 71.6 107.4

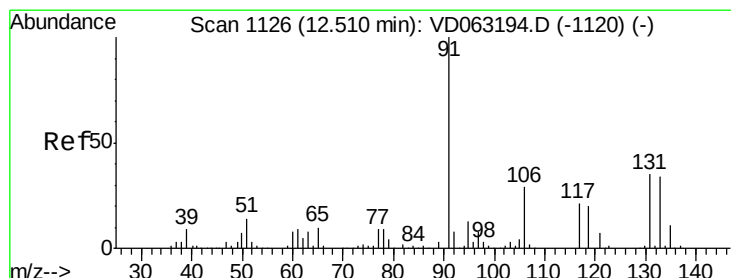
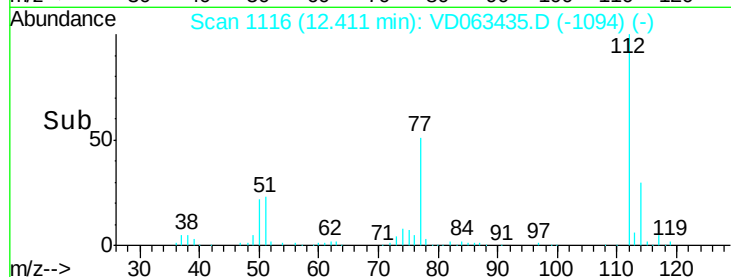
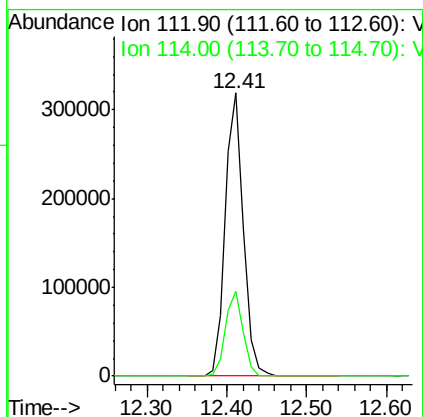
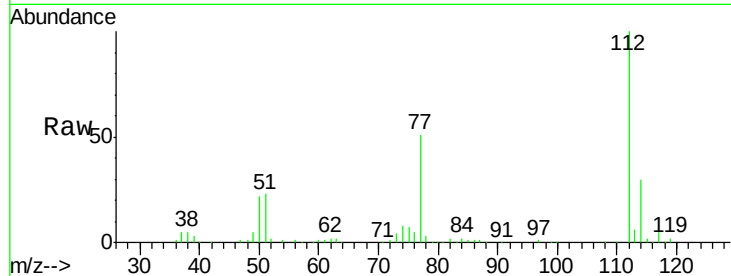




#65
Chlorobenzene
Concen: 22.430 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

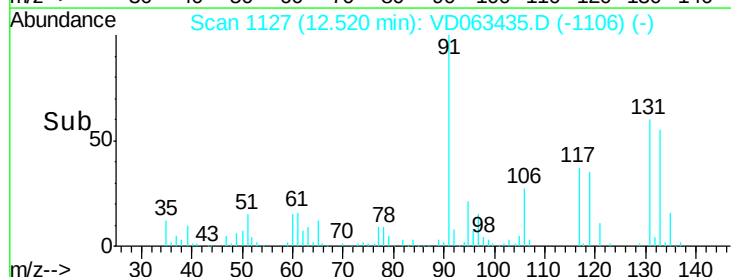
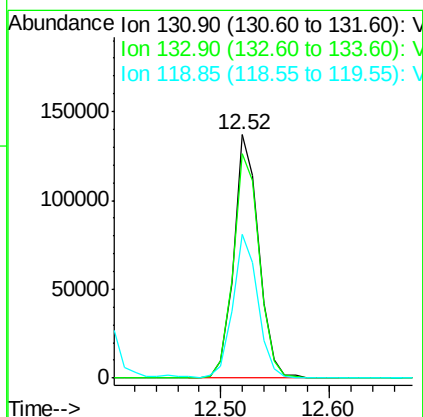
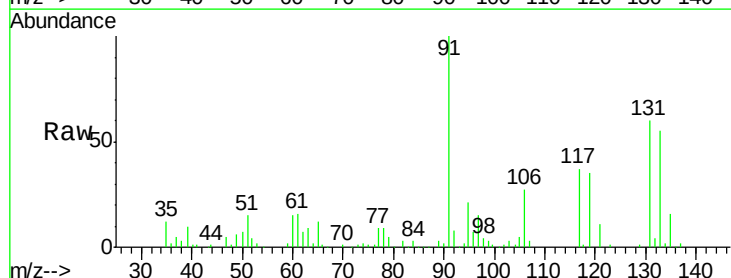
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

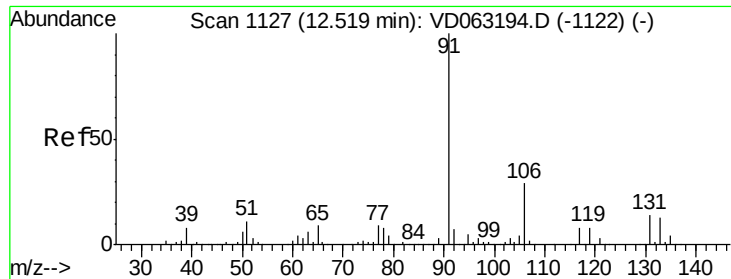
Tot Ion:112 Resp: 513922
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.759 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion:131 Resp: 219607
Ion Ratio Lower Upper
131 100
133 92.4 48.4 145.2
119 59.2 29.1 87.3

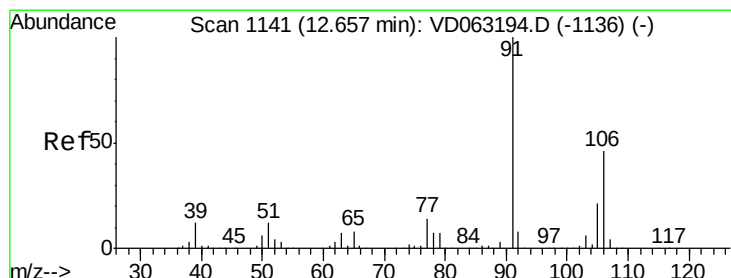
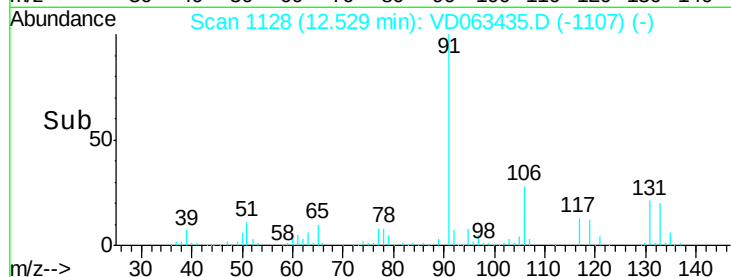
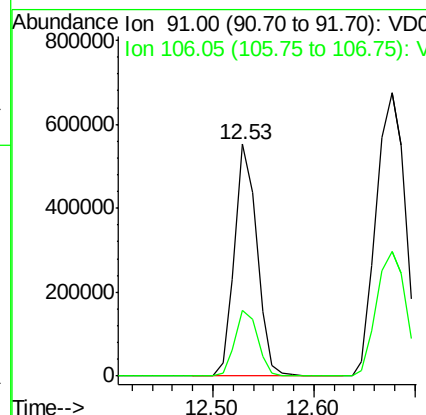
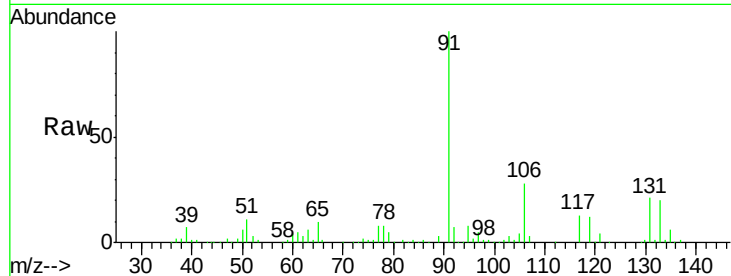




#67
Ethyl Benzene
Concen: 21.959 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

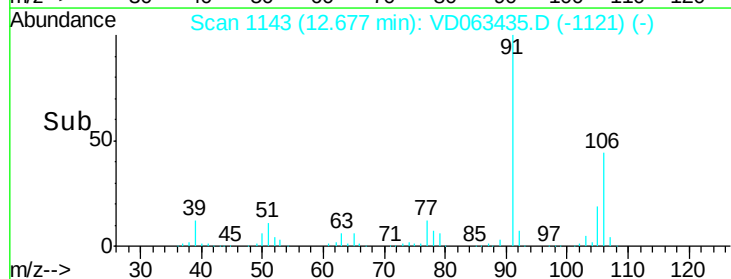
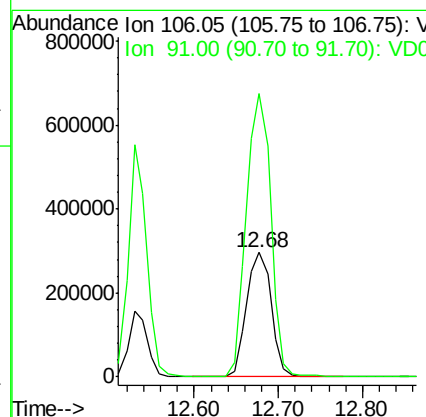
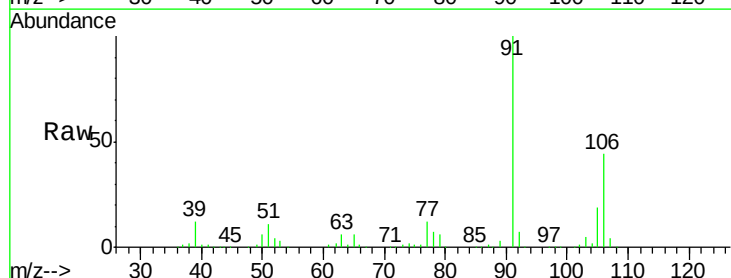
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

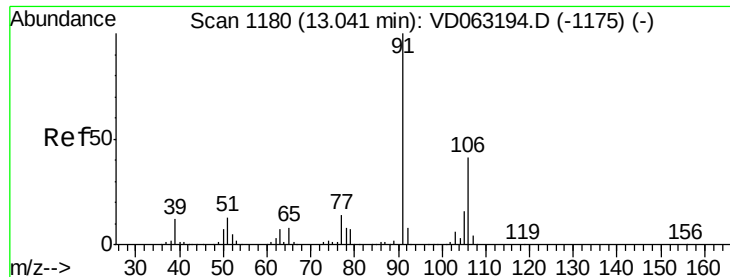
Tot Ion: 91 Resp: 854686
Ion Ratio Lower Upper
91 100
106 28.1 22.9 34.3



#68
m/p-Xylenes
Concen: 42.847 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion: 106 Resp: 611597
Ion Ratio Lower Upper
106 100
91 227.8 172.6 259.0

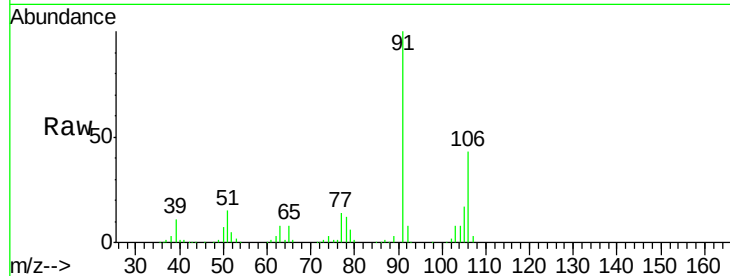




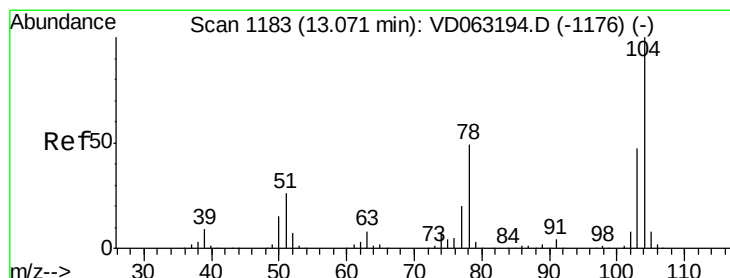
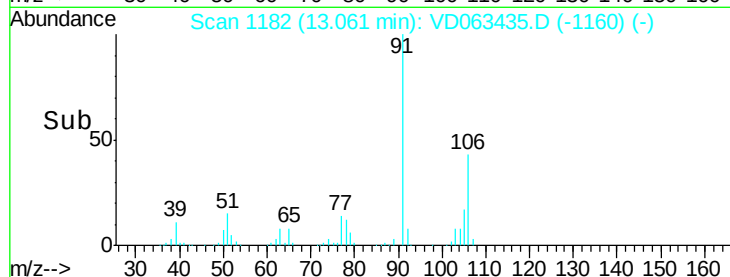
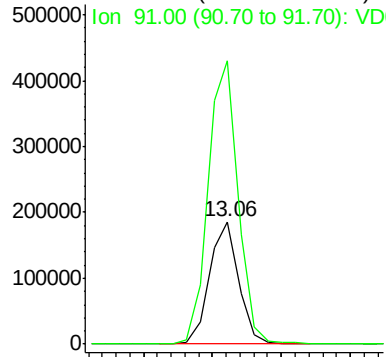
#69
o-Xylene
Concen: 21.110 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:106 Resp: 276706
Ion Ratio Lower Upper
106 100
91 230.9 121.3 363.9

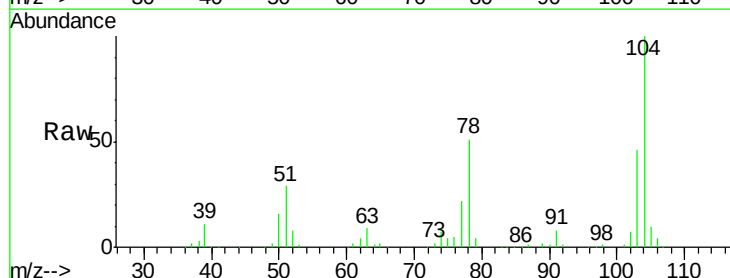


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

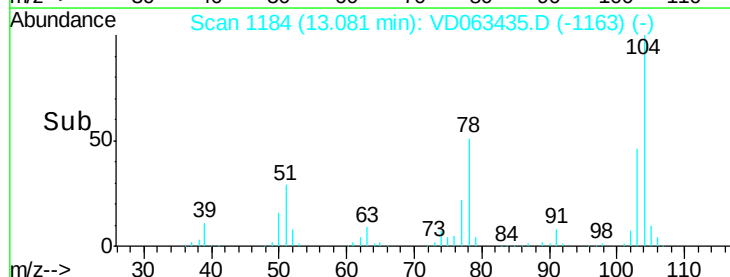
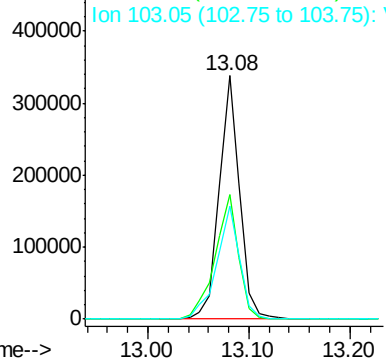


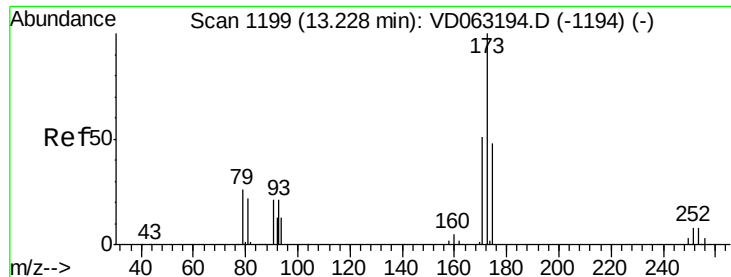
#70
Styrene
Concen: 20.619 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion:104 Resp: 479317
Ion Ratio Lower Upper
104 100
78 51.0 39.4 59.0
103 46.4 37.4 56.2



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: 20.727 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

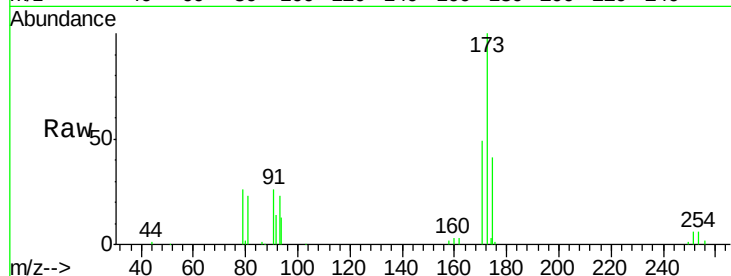
Tot Ion:173 Resp: 152125

Ion Ratio Lower Upper

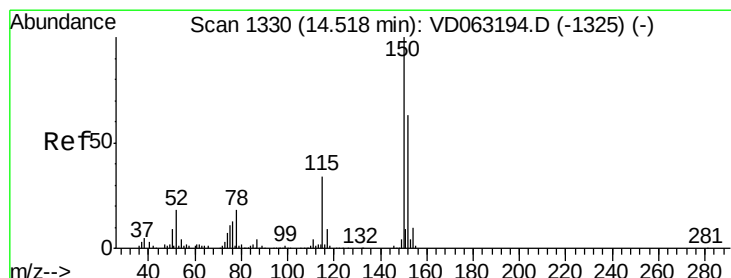
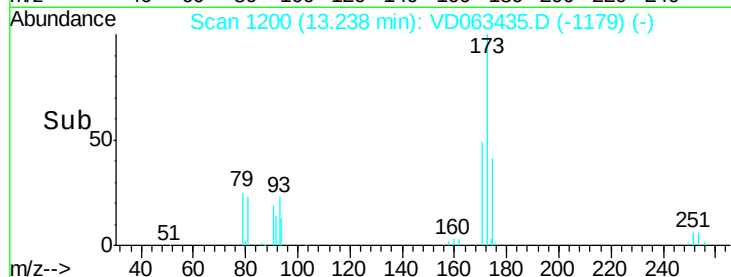
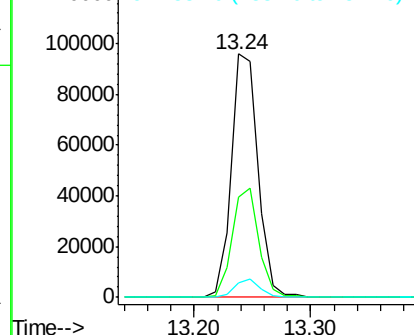
173 100

175 40.9 23.8 71.5

254 6.0 6.6 10.0#



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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

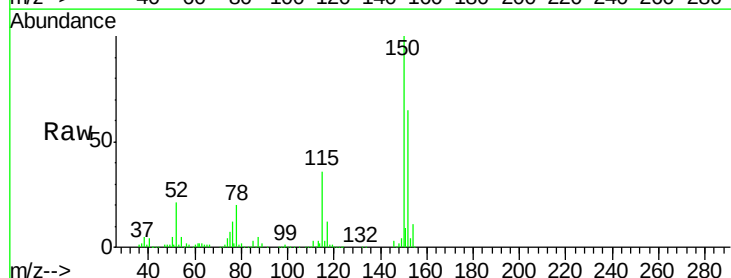
Tgt Ion:152 Resp: 679774

Ion Ratio Lower Upper

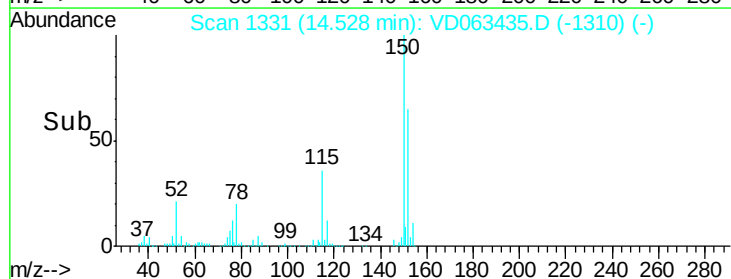
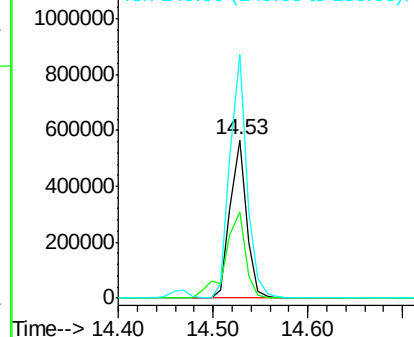
152 100

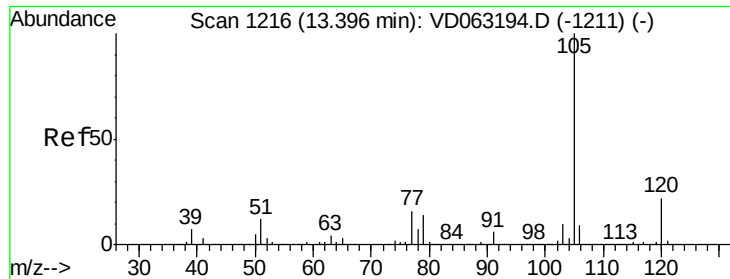
115 54.8 27.5 82.4

150 153.9 0.0 320.6



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





#73

Isopropylbenzene

Concen: 20.322 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

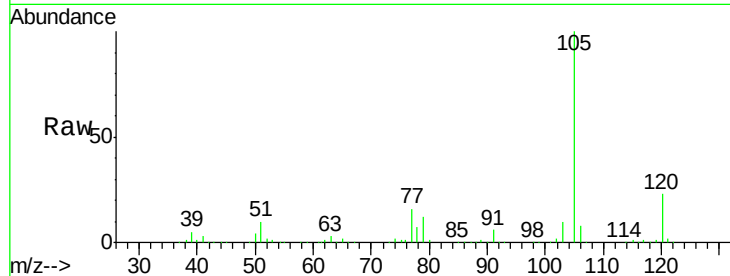
VD0808SBS01

Tot Ion:105 Resp: 867012

Ion Ratio Lower Upper

105 100

120 22.7 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

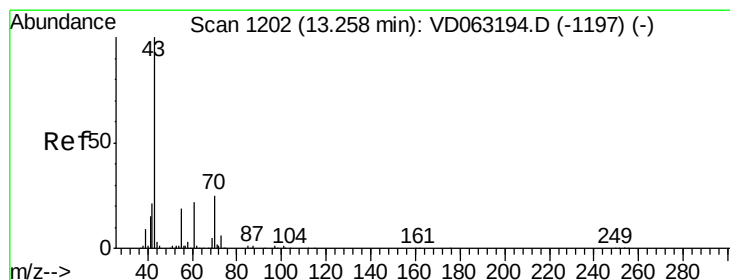
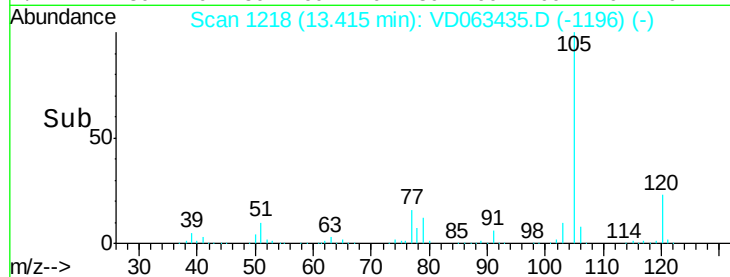
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.195 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Tgt Ion: 43 Resp: 216497

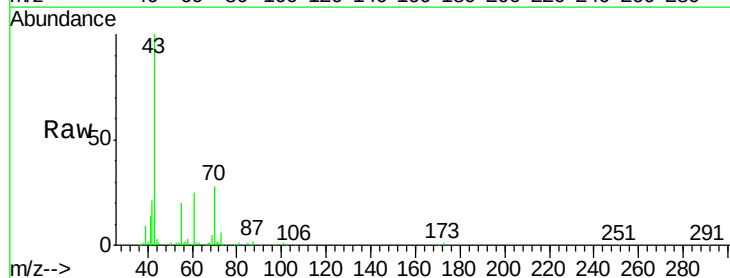
Ion Ratio Lower Upper

43 100

70 28.3 20.2 30.4

55 20.3 14.9 22.3

61 25.1 17.9 26.9



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

13.28

200000

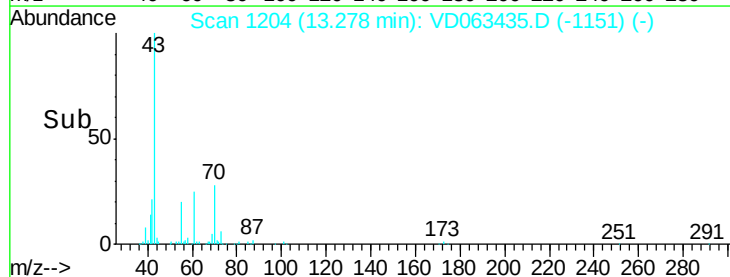
150000

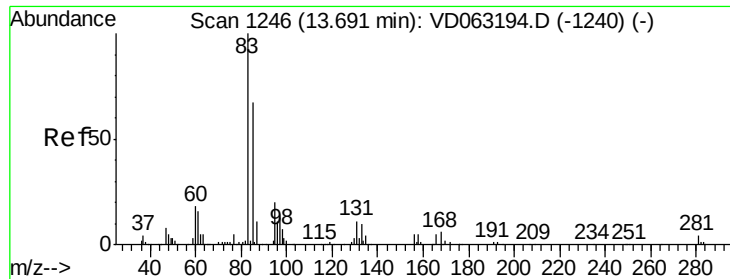
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.292 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

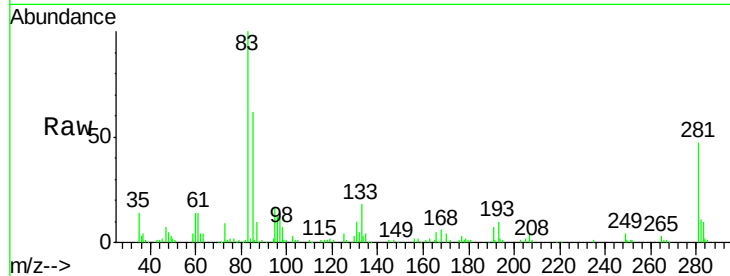
Tot Ion: 83 Resp: 147064

Ion Ratio Lower Upper

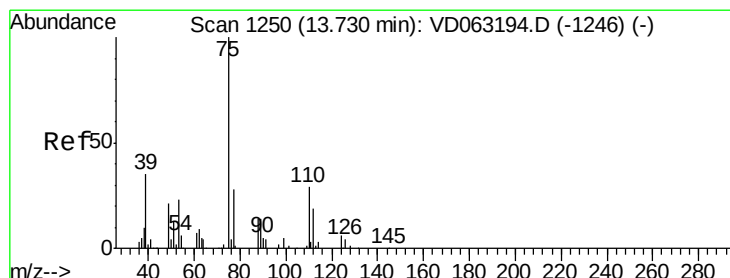
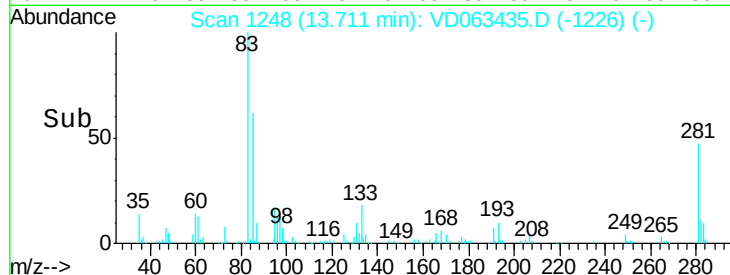
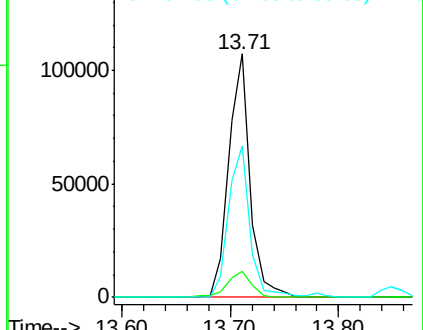
83 100

131 10.5 5.5 16.7

85 62.0 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.834 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063435.D

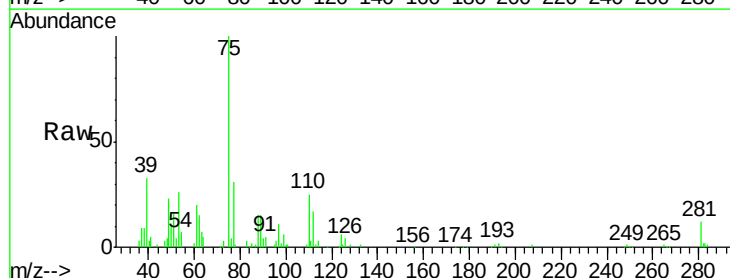
Acq: 8 Aug 2019 13:48

Tgt Ion: 75 Resp: 170106

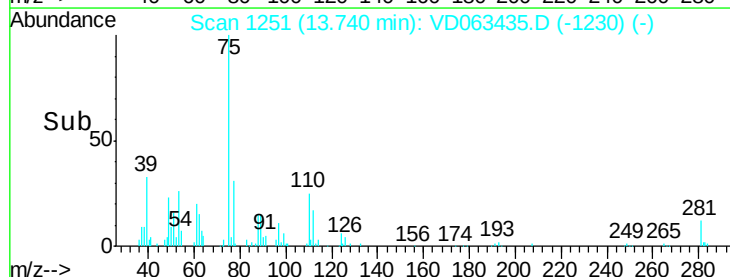
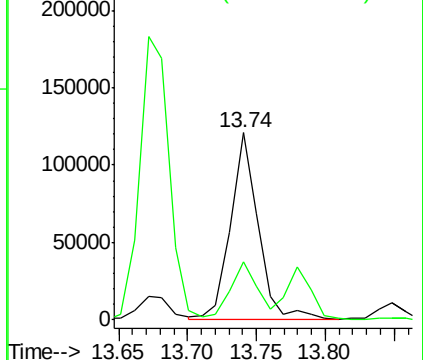
Ion Ratio Lower Upper

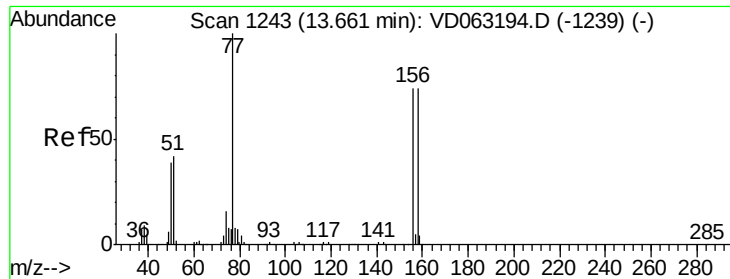
75 100

77 31.1 16.0 48.0



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





#77

Bromobenzene

Concen: 18.871 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

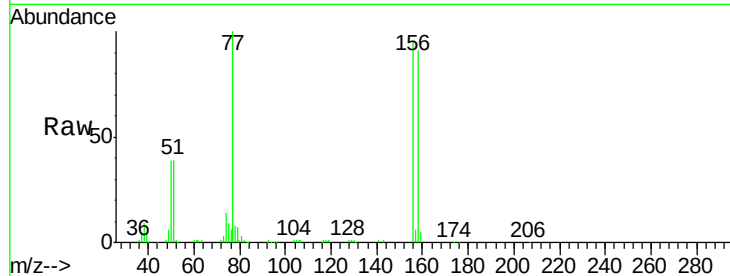
Tot Ion:156 Resp: 229352

Ion Ratio Lower Upper

156 100

77 104.8 67.6 202.8

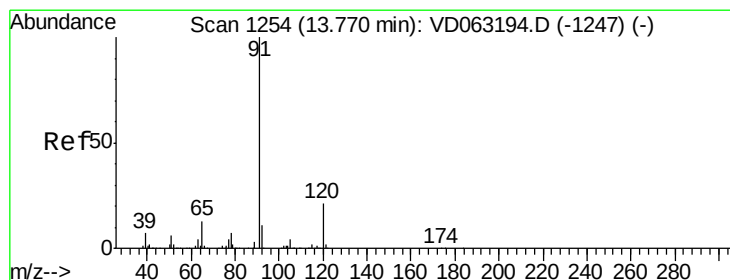
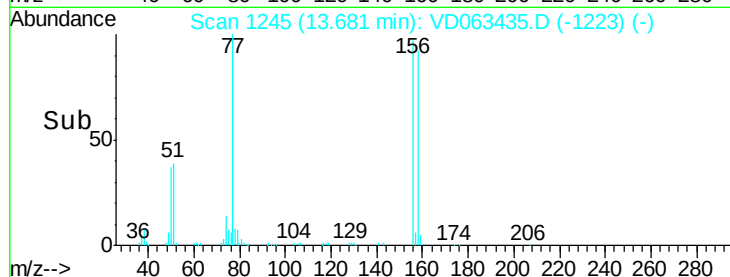
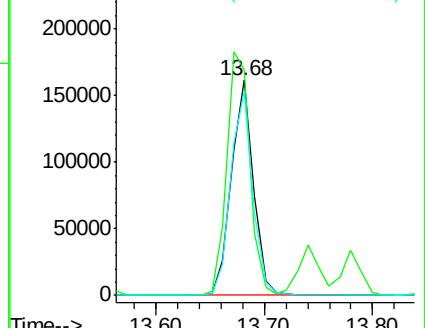
158 95.1 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.308 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063435.D

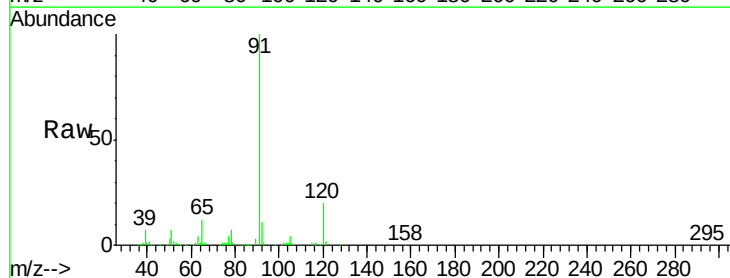
Acq: 8 Aug 2019 13:48

Tgt Ion: 91 Resp: 1081833

Ion Ratio Lower Upper

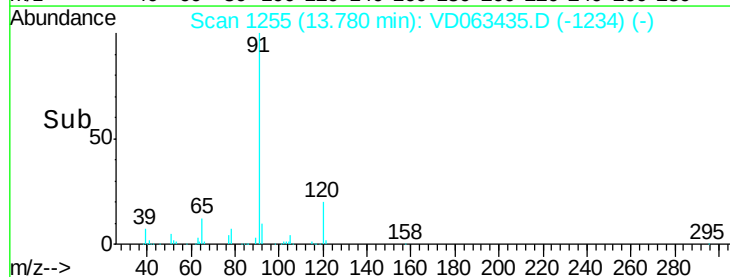
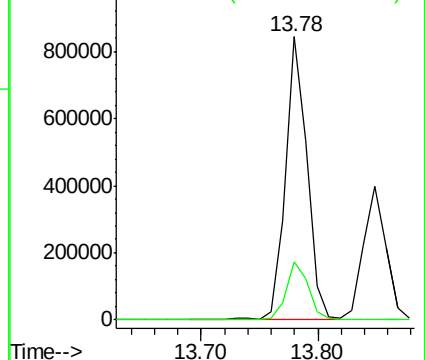
91 100

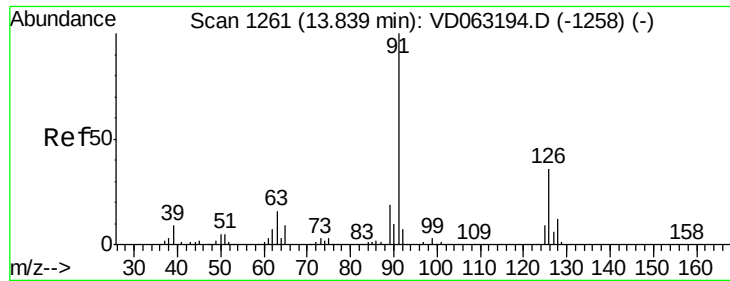
120 20.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

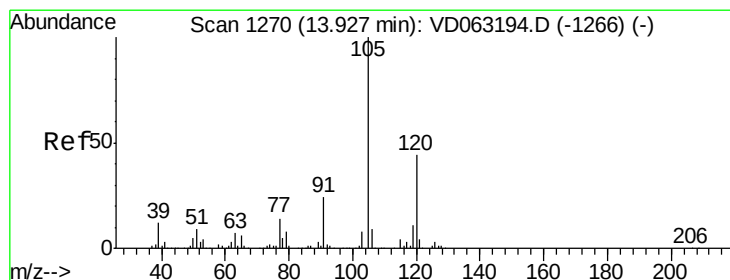
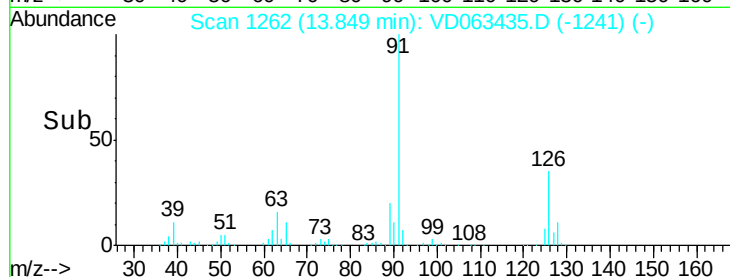
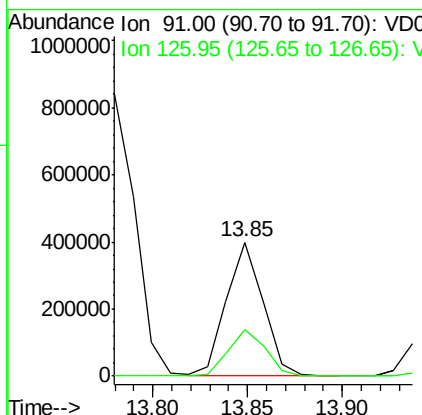
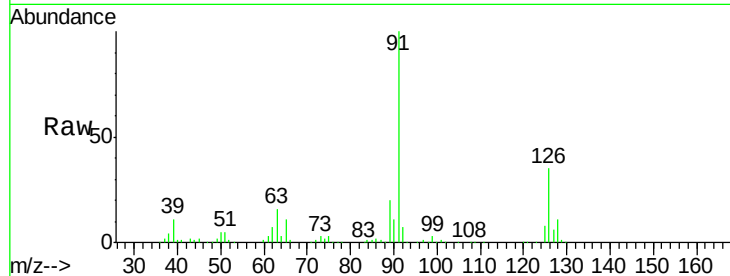




#79
 2-Chlorotoluene
 Concen: 18.083 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

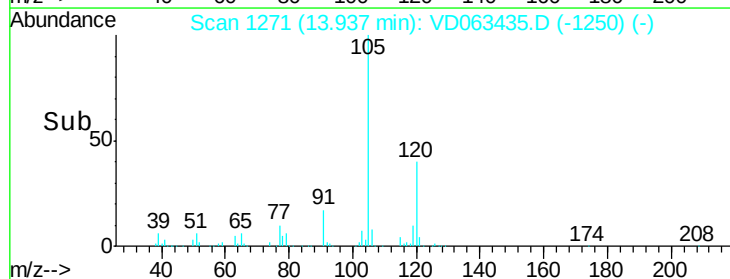
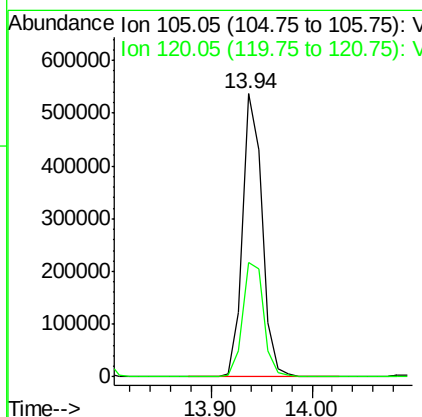
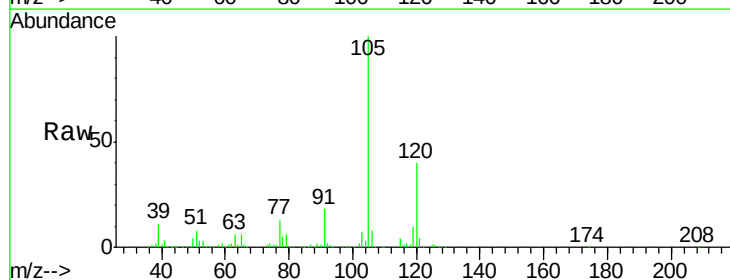
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

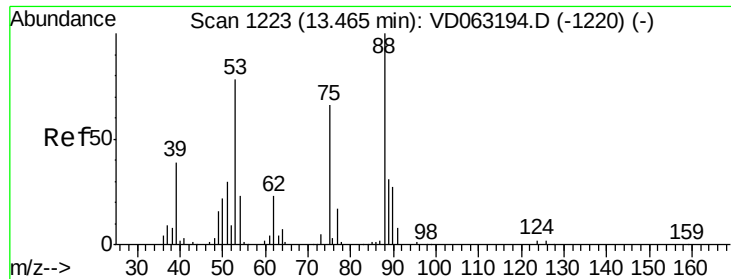
Tot Ion: 91 Resp: 531987
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 19.732 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion: 105 Resp: 726081
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.684 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

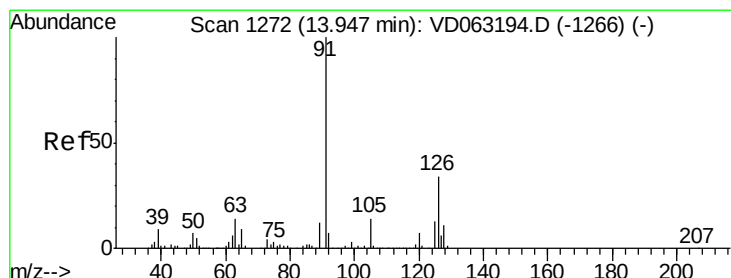
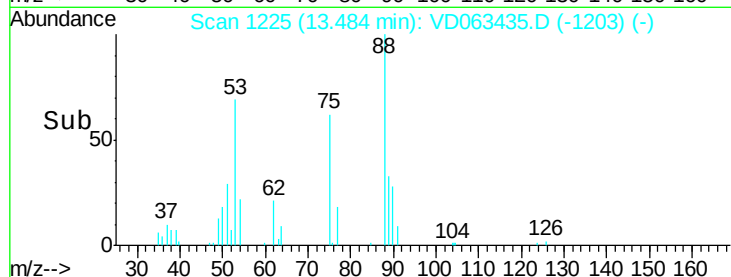
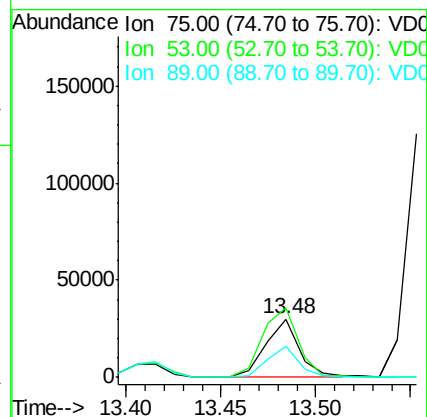
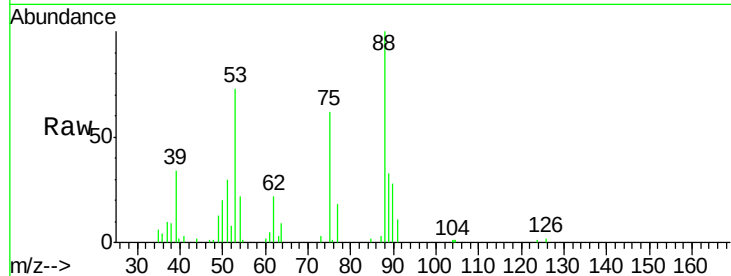
Tot Ion: 75 Resp: 37827

Ion Ratio Lower Upper

75 100

53 118.5 94.9 142.3

89 53.9 37.4 56.0



#82

4-Chlorotoluene

Concen: 19.573 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD063435.D

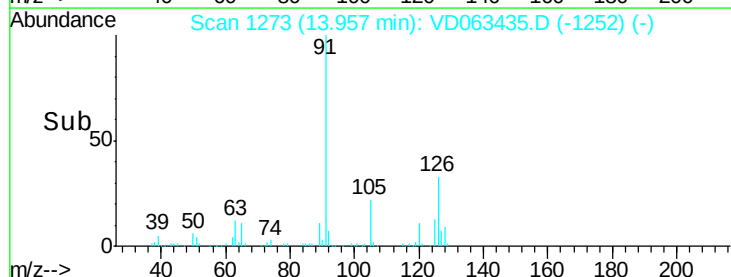
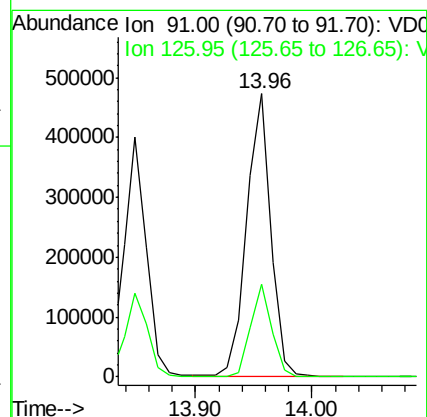
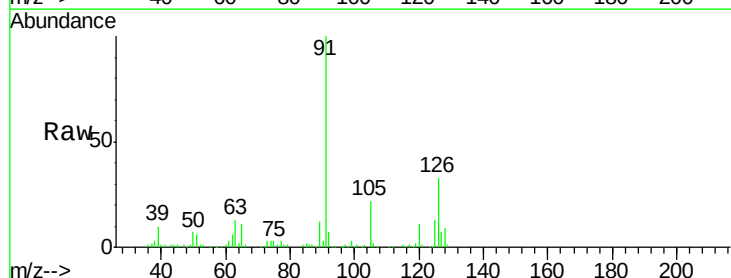
Acq: 8 Aug 2019 13:48

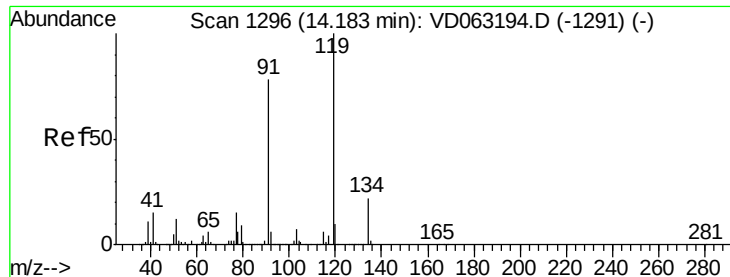
Tgt Ion: 91 Resp: 677650

Ion Ratio Lower Upper

91 100

126 32.9 17.1 51.2

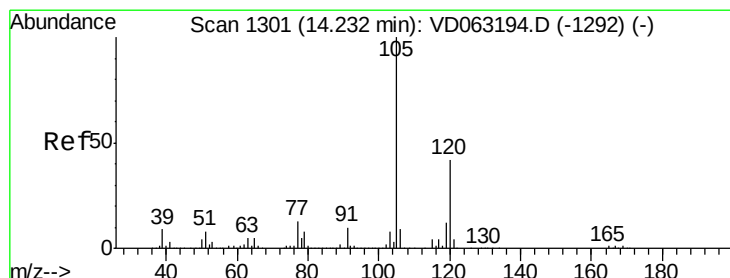
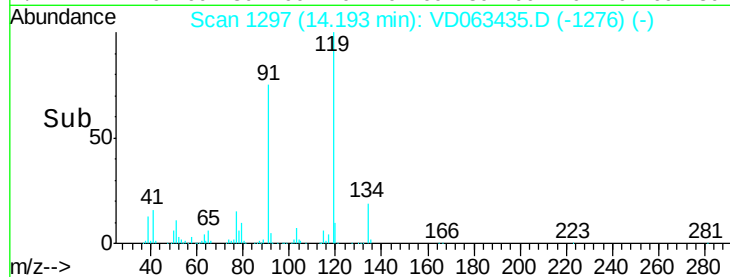
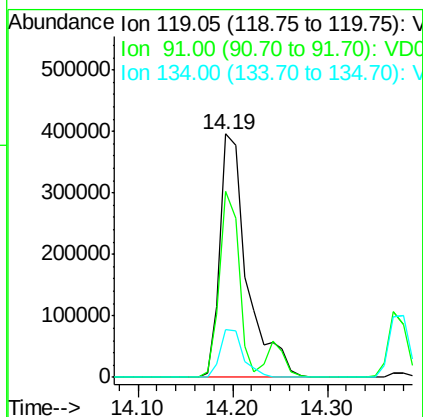
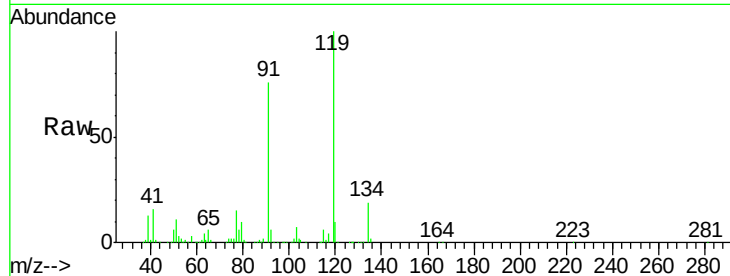




#83
 tert-Butylbenzene
 Concen: 18.797 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

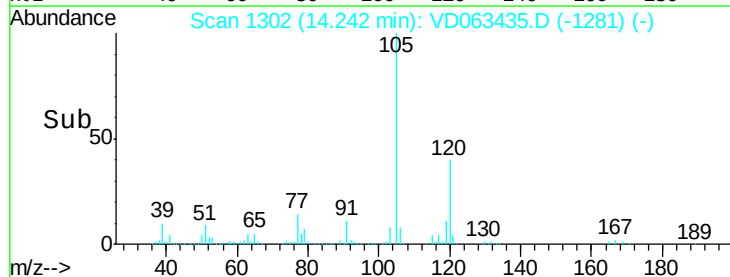
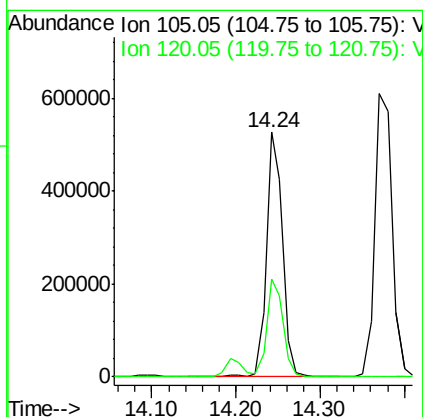
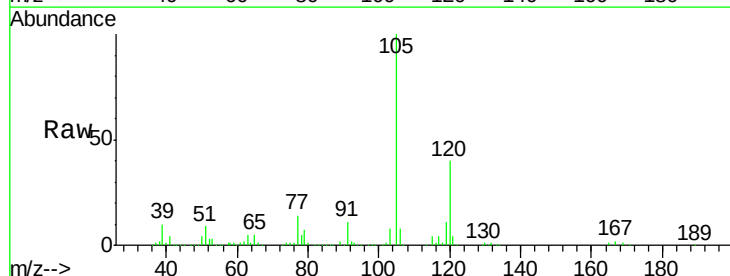
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

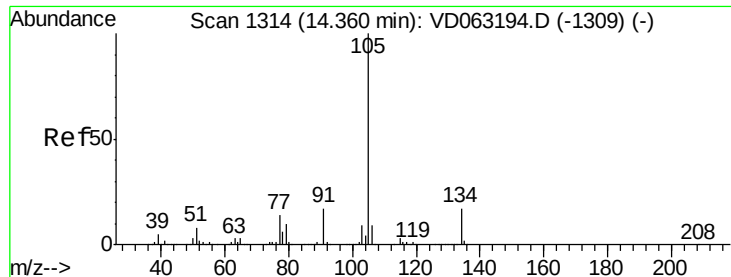
Tot Ion:119 Resp: 789776
 Ion Ratio Lower Upper
 119 100
 91 76.4 39.1 117.5
 134 19.4 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.643 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion:105 Resp: 709580
 Ion Ratio Lower Upper
 105 100
 120 39.9 20.9 62.7

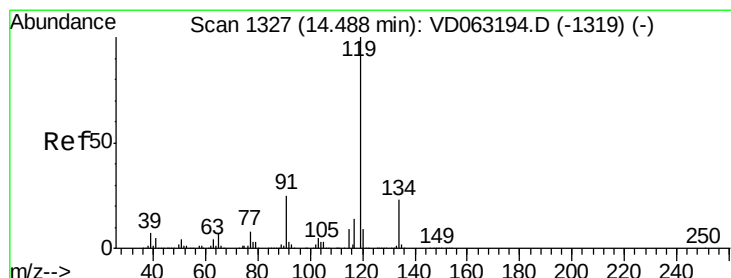
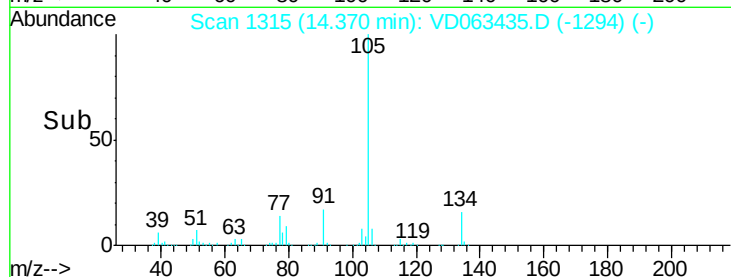
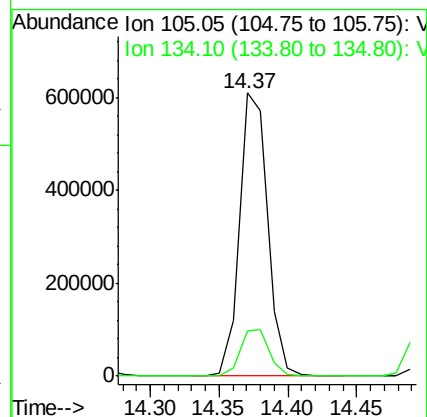
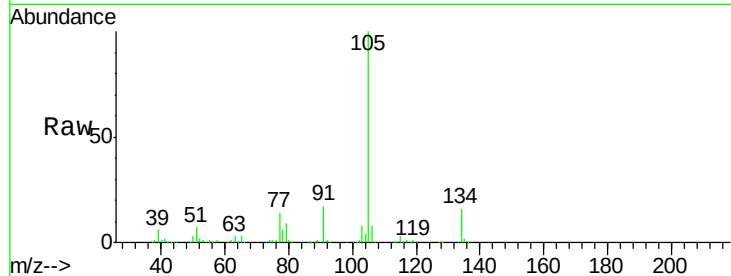




#85
 sec-Butylbenzene
 Concen: 19.646 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

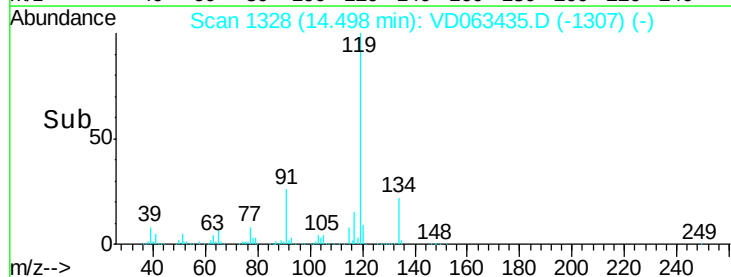
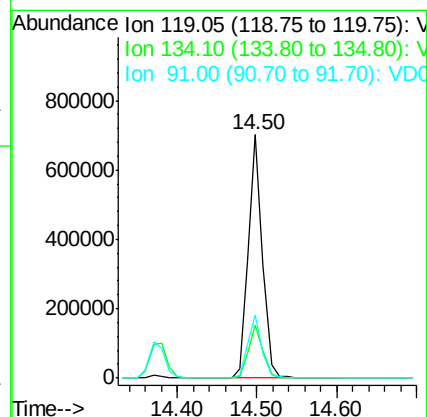
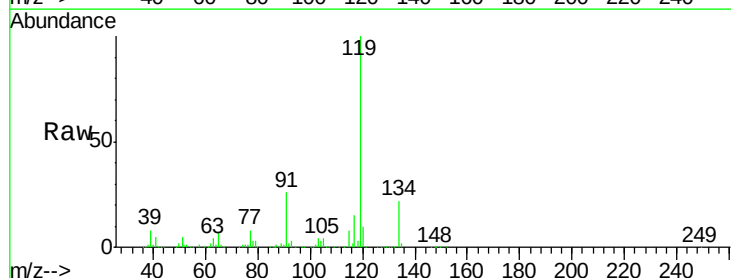
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

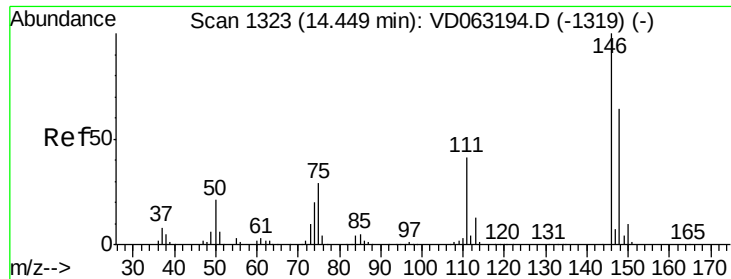
Tot Ion:105 Resp: 869665
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 20.317 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion:119 Resp: 858405
 Ion Ratio Lower Upper
 119 100
 134 22.0 11.5 34.5
 91 25.9 12.6 37.6

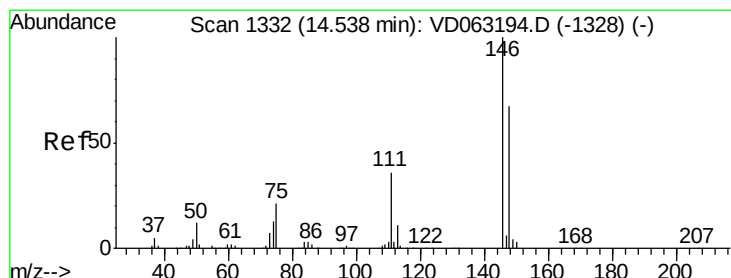
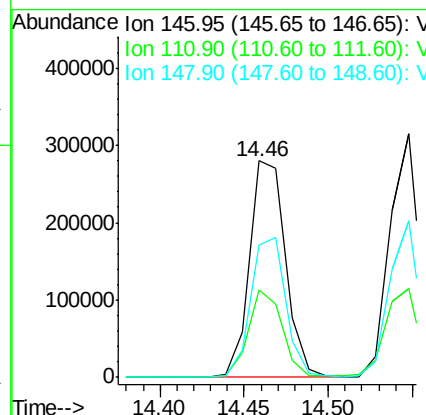
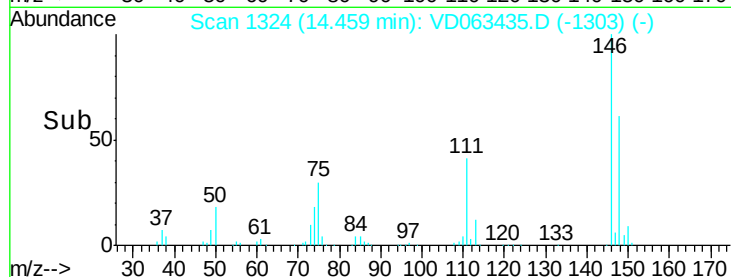
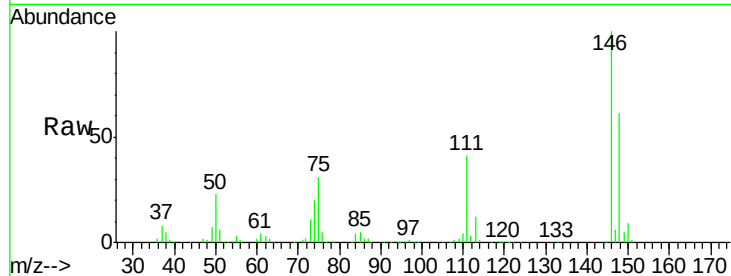




#87
 1,3-Dichlorobenzene
 Concen: 19.296 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

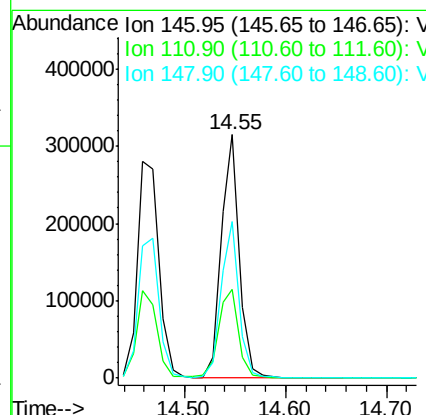
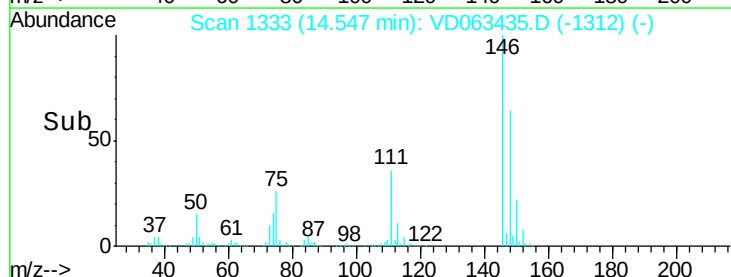
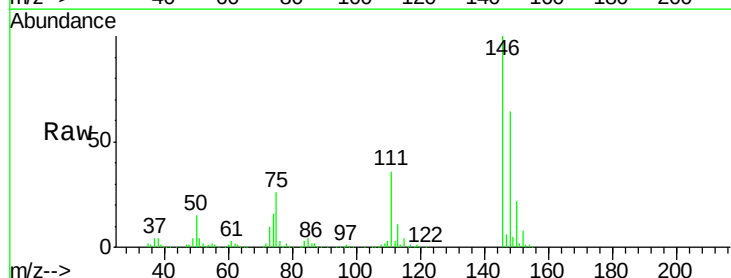
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

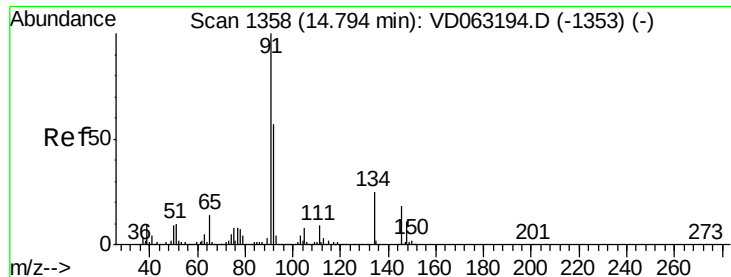
Tot Ion:146 Resp: 415325
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.4 61.3
 148 60.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.310 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion:146 Resp: 398524
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.1 54.3
 148 64.4 33.4 100.1





#89

n-Butylbenzene

Concen: 20.806 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063435.D

Acq: 8 Aug 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

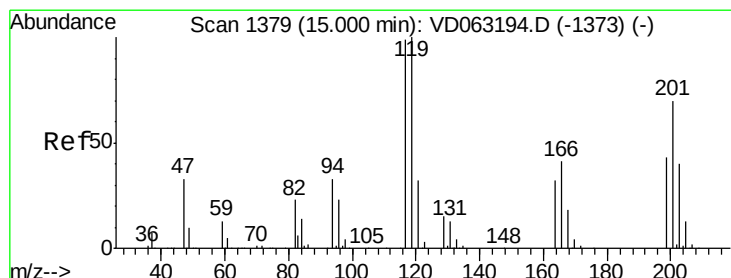
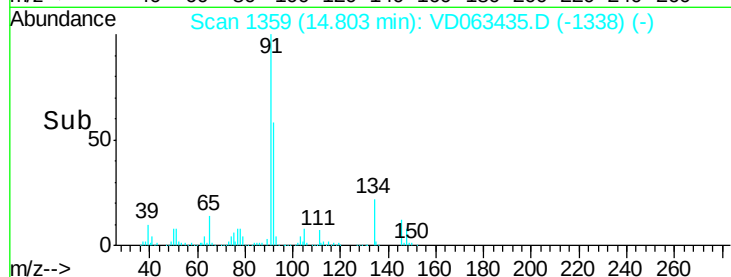
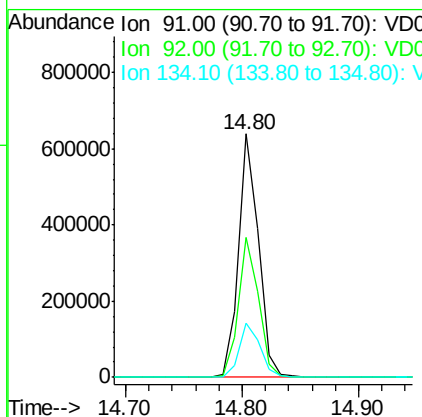
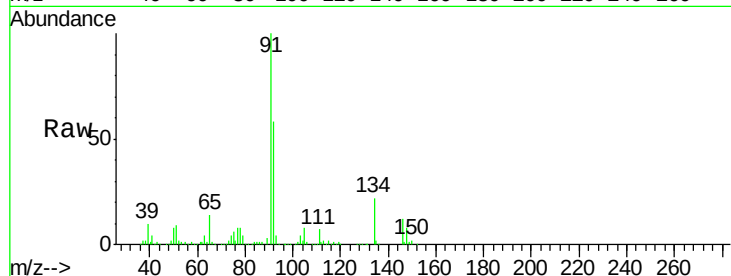
Tot Ion: 91 Resp: 759242

Ion Ratio Lower Upper

91 100

92 57.6 28.3 85.0

134 22.2 12.3 36.8



#90

Hexachloroethane

Concen: 19.487 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD063435.D

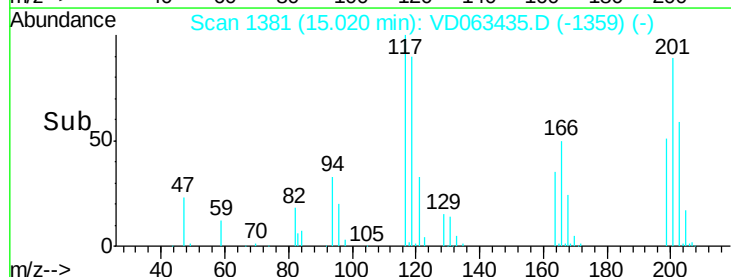
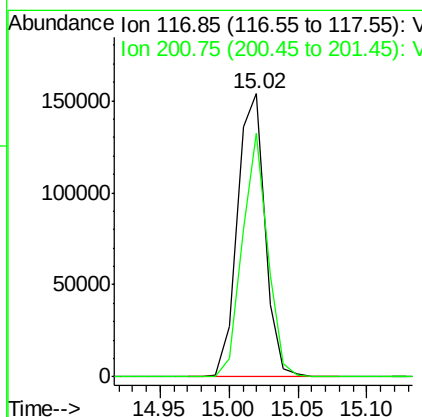
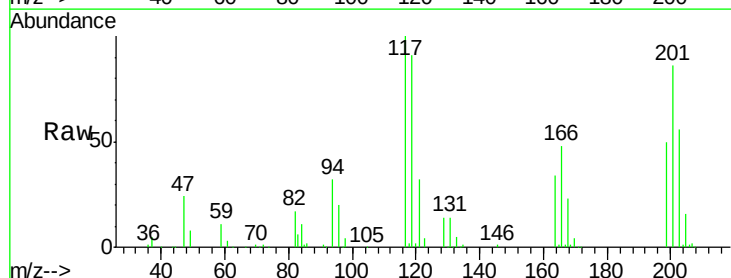
Acq: 8 Aug 2019 13:48

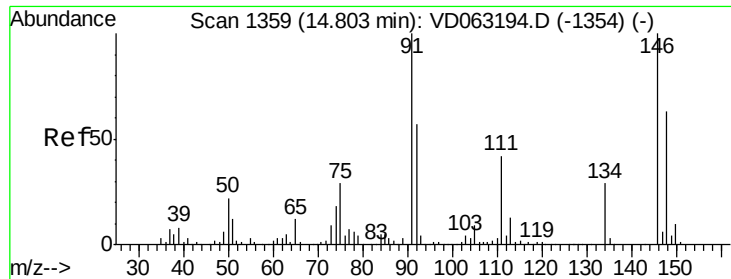
Tgt Ion: 117 Resp: 214514

Ion Ratio Lower Upper

117 100

201 86.1 35.2 105.6

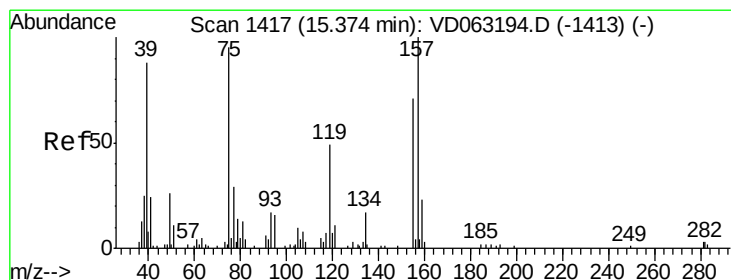
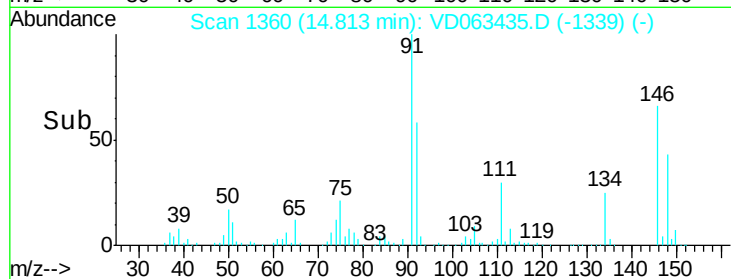
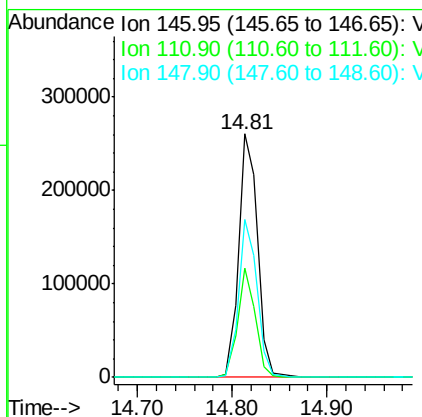
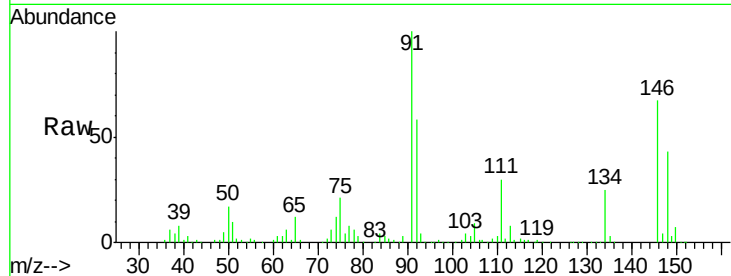




#91
 1,2-Dichlorobenzene
 Concen: 19.236 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

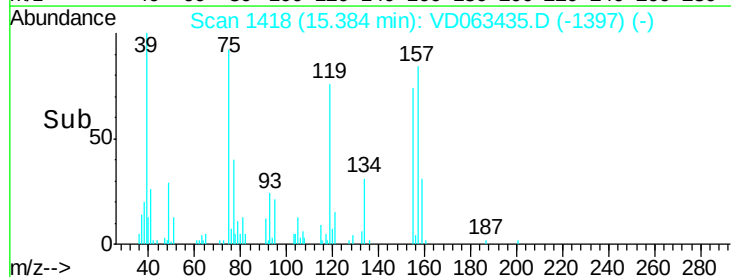
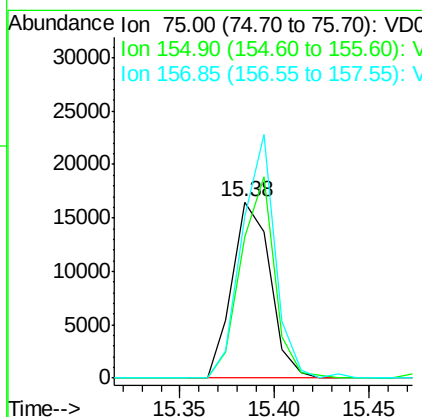
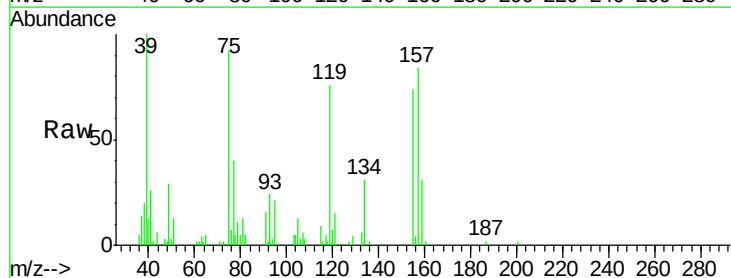
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

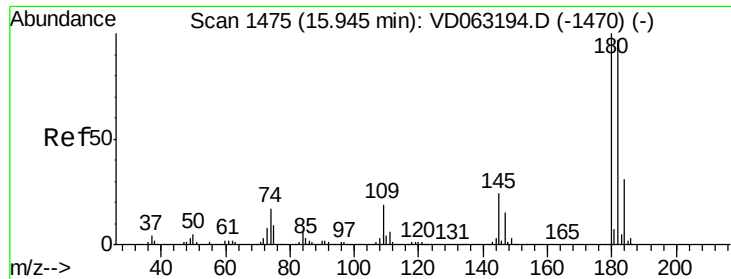
Tot Ion:146 Resp: 360743
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.1 63.3
 148 64.8 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.519 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion: 75 Resp: 22909
 Ion Ratio Lower Upper
 75 100
 155 80.5 37.0 111.0
 157 91.9 52.4 157.2

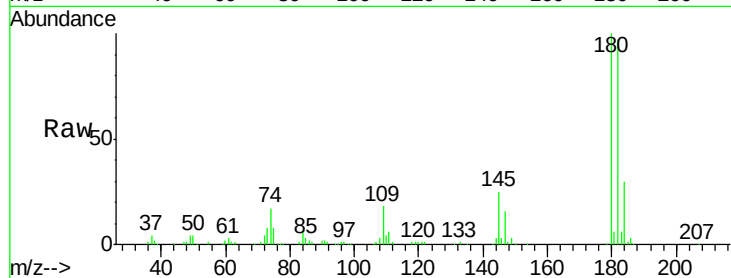




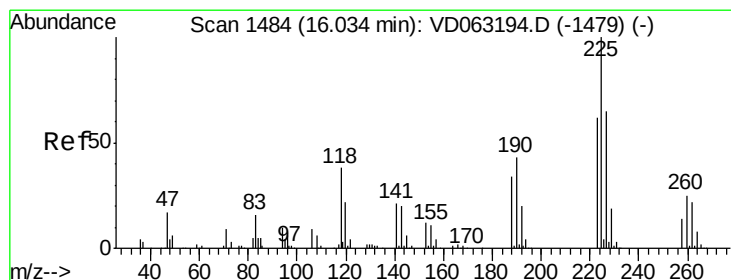
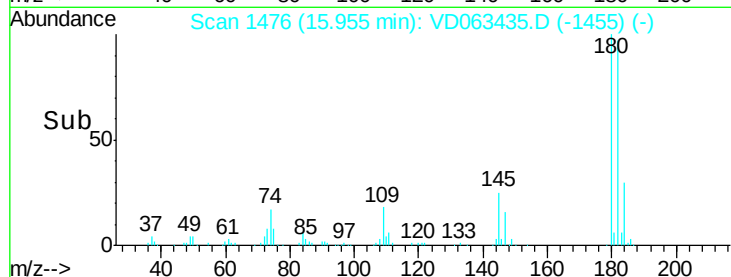
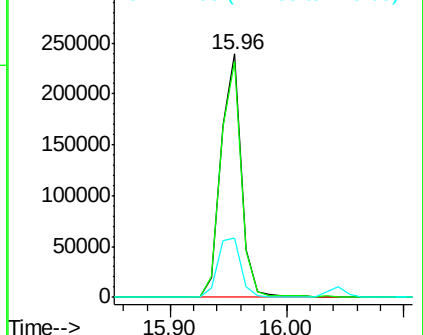
#93
 1,2,4-Trichlorobenzene
 Concen: 19.349 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion:180 Resp: 287859
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.6 145.8
 145 24.6 12.2 36.6

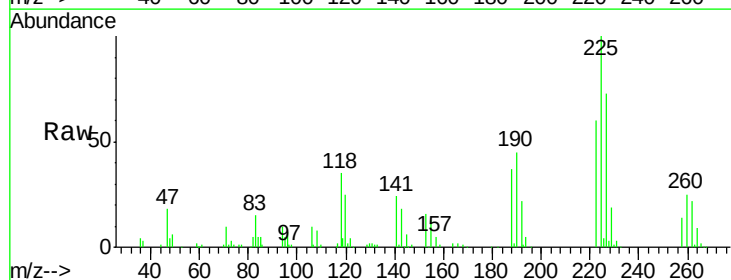


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

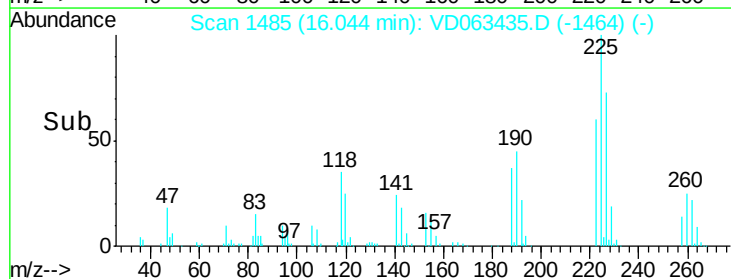
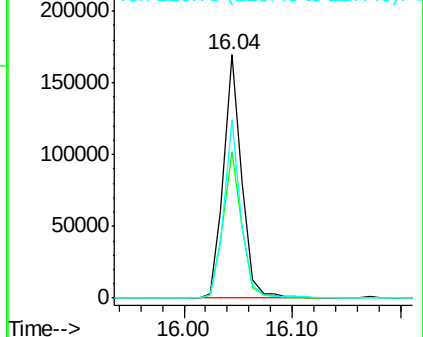


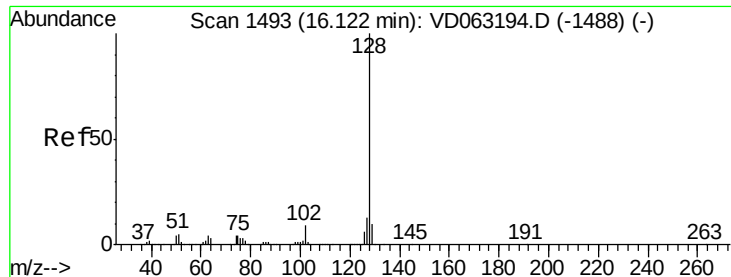
#94
 Hexachlorobutadiene
 Concen: 18.369 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063435.D
 Acq: 8 Aug 2019 13:48

Tgt Ion:225 Resp: 198033
 Ion Ratio Lower Upper
 225 100
 223 59.9 30.9 92.5
 227 73.2 32.6 97.7



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

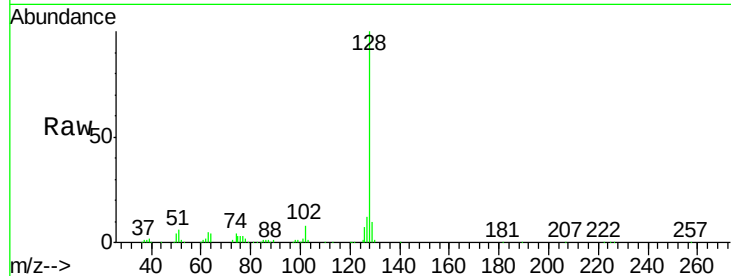




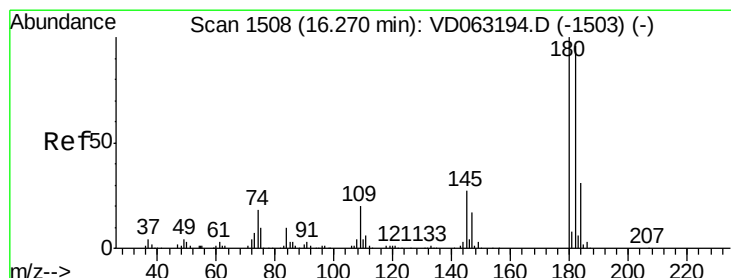
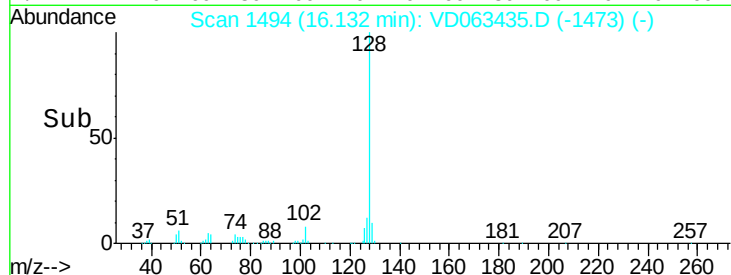
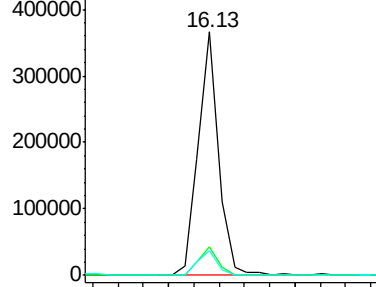
#95
Naphthalene
Concen: 19.405 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:128 Resp: 408024
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 10.4 7.8 11.8

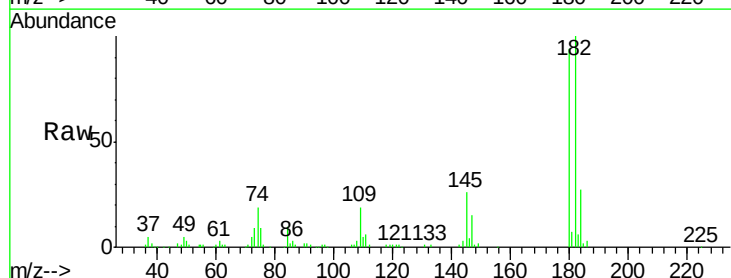


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.603 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD063435.D
Acq: 8 Aug 2019 13:48

Tgt Ion:180 Resp: 230383
Ion Ratio Lower Upper
180 100
182 105.8 48.3 144.9
145 27.1 13.6 40.7



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

