

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080719\
 Data File : VD063417.D
 Acq On : 7 Aug 2019 11:53
 Operator : JC/SY
 Sample : VD0807SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Quant Time: Aug 08 08:04:47 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	938589	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1304027	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1054937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	570940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	562186	53.98	ug/l	0.02
Spiked Amount			Recovery	=	107.96%	
35) Dibromofluoromethane	6.93	113	622109	55.88	ug/l	0.02
Spiked Amount			Recovery	=	111.76%	
50) Toluene-d8	10.42	98	1356005	54.42	ug/l	0.02
Spiked Amount			Recovery	=	108.84%	
62) 4-Bromofluorobenzene	13.56	95	580276	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	254575	22.189	ug/l	96
3) Chloromethane	1.75	50	202589	22.727	ug/l #	87
4) Vinyl Chloride	1.85	62	204915	22.206	ug/l	94
5) Bromomethane	2.15	94	87489	18.799	ug/l	97
6) Chloroethane	2.26	64	92490	21.709	ug/l #	82
7) Trichlorofluoromethane	2.53	101	402548	22.486	ug/l	97
8) Diethyl Ether	2.87	74	47226	18.849	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.15	101	229711	23.164	ug/l	96
10) Methyl Iodide	3.30	142	260940	18.215	ug/l	93
11) Tert butyl alcohol	4.09	59	46803	102.404	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	172615	23.711	ug/l	85
13) Acrolein	3.04	56	28170	64.043	ug/l	100
14) Allyl chloride	3.62	41	249874	21.546	ug/l	86
15) Acrylonitrile	4.20	53	117187	98.899	ug/l	97
16) Acetone	3.23	43	208912	102.955	ug/l	99
17) Carbon Disulfide	3.37	76	507592	20.831	ug/l	98
18) Methyl Acetate	3.64	43	82519	21.171	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	356562	21.683	ug/l	97
20) Methylene Chloride	3.82	84	168964	20.600	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	184228	22.553	ug/l	94
22) Diisopropyl ether	5.13	45	495305	21.377	ug/l	94
23) Vinyl Acetate	5.07	43	1490196	104.628	ug/l	98
24) 1,1-Dichloroethane	4.99	63	322195	21.770	ug/l	96
25) 2-Butanone	6.08	43	214323	105.244	ug/l	98
26) 2,2-Dichloropropane	6.02	77	357881	23.464	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	192258	21.953	ug/l	93
28) Bromochloromethane	6.45	49	137668	23.346	ug/l	94
29) Tetrahydrofuran	6.47	42	94382	97.892	ug/l	95
30) Chloroform	6.67	83	403624	21.975	ug/l	97
31) Cyclohexane	6.96	56	183352	19.765	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	412863	23.239	ug/l	98
36) 1,1-Dichloropropene	7.15	75	265781	22.333	ug/l	98
37) Ethyl Acetate	6.19	43	101979	19.074	ug/l	96
38) Carbon Tetrachloride	7.12	117	390313	21.785	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	218418	22.028	ug/l	96
40) Benzene	7.46	78	543495	21.790	ug/l	97
41) Methacrylonitrile	6.45	41	132700	20.749	ug/l #	87
42) 1,2-Dichloroethane	7.59	62	288998	21.863	ug/l	98
43) Isopropyl Acetate	9.24	43	139801	20.470	ug/l #	91
44) Trichloroethene	8.54	130	203402	20.125	ug/l	96
45) 1,2-Dichloropropane	8.95	63	128015	20.193	ug/l	90
46) Dibromomethane	9.07	93	113520	21.535	ug/l	95
47) Bromodichloromethane	9.38	83	288567	21.475	ug/l	94
48) Methyl methacrylate	9.13	41	100811	22.759	ug/l	92
49) 1,4-Dioxane	9.07	88	17769	471.377	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	476410	102.569	ug/l	97
52) Toluene	10.52	92	356990	21.520	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	258193	22.288	ug/l	90
54) cis-1,3-Dichloropropene	10.05	75	254082	20.869	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	121609	21.706	ug/l	94
56) Ethyl methacrylate	11.05	69	122274	19.930	ug/l	95
57) 1,3-Dichloropropane	11.42	76	189833	21.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	363306	113.806	ug/l	91
59) 2-Hexanone	11.53	43	339773	101.509	ug/l	93
60) Dibromochloromethane	11.69	129	224146	21.192	ug/l	97
61) 1,2-Dibromoethane	11.81	107	149364	21.605	ug/l	96
64) Tetrachloroethene	11.26	164	184633	21.969	ug/l	93
65) Chlorobenzene	12.40	112	443537	21.859	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	194659	21.779	ug/l	94
67) Ethyl Benzene	12.53	91	808507	23.455	ug/l	98
68) m/p-Xylenes	12.68	106	562993	44.536	ug/l	95
69) o-Xylene	13.05	106	264796	22.810	ug/l	96
70) Styrene	13.08	104	478924	23.263	ug/l	100
71) Bromoform	13.24	173	136786	21.044	ug/l	97
73) Isopropylbenzene	13.41	105	841255	23.477	ug/l	99
74) N-amyl acetate	13.27	43	198846	20.991	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	128291	21.077	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	141744	20.669	ug/l	100
77) Bromobenzene	13.67	156	241258	23.634	ug/l	99
78) n-propylbenzene	13.78	91	1010814	23.704	ug/l	98
79) 2-Chlorotoluene	13.85	91	577391	23.368	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	731909	23.681	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	38535	20.236	ug/l	85
82) 4-Chlorotoluene	13.95	91	730508	25.121	ug/l	88
83) tert-Butylbenzene	14.19	119	726940	20.599	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	694605	21.728	ug/l	98
85) sec-Butylbenzene	14.37	105	847807	22.802	ug/l	99
86) p-Isopropyltoluene	14.50	119	834401	23.513	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	449981	24.892	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	360829	19.739	ug/l	91
89) n-Butylbenzene	14.80	91	736741	24.038	ug/l	98
90) Hexachloroethane	15.01	117	210964	22.818	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	344070	21.845	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24656	19.886	ug/l	96

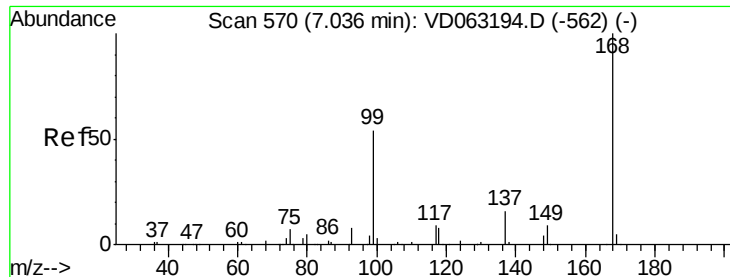
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	283529	22.691	ug/l	96
94) Hexachlorobutadiene	16.04	225	206879	22.847	ug/l	98
95) Naphthalene	16.12	128	359865	20.377	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	205549	20.824	ug/l	98

(#) = 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: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

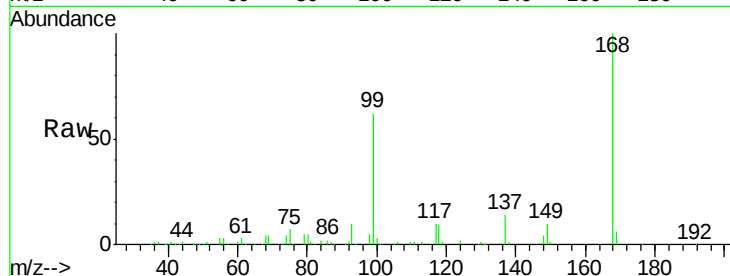
VD0807SBS01

Tot Ion:168 Resp: 938589

Ion Ratio Lower Upper

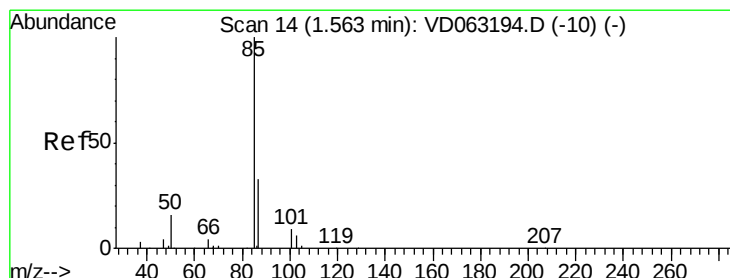
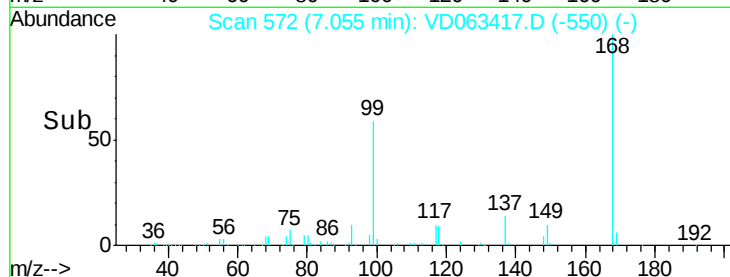
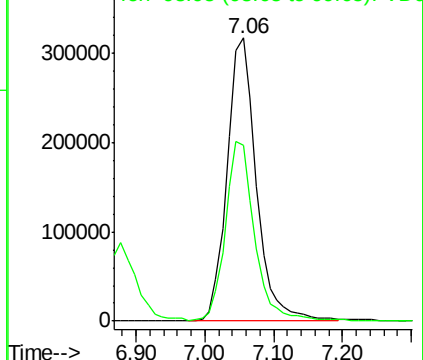
168 100

99 62.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.189 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063417.D

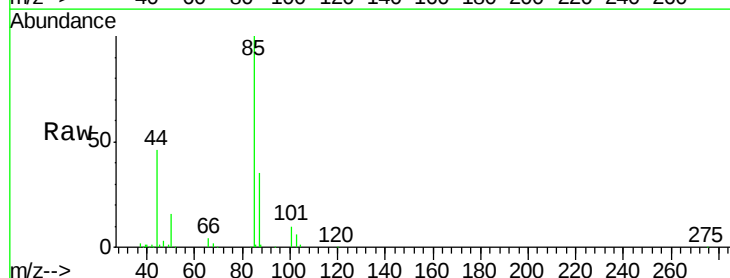
Acq: 7 Aug 2019 11:53

Tgt Ion: 85 Resp: 254575

Ion Ratio Lower Upper

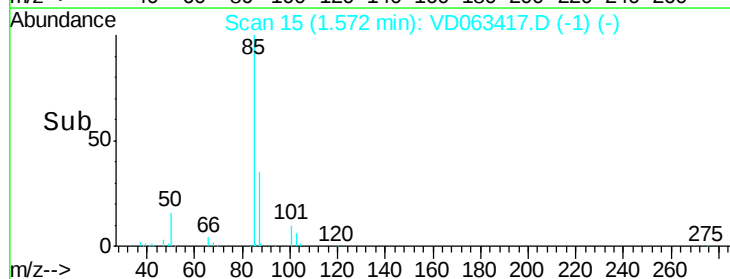
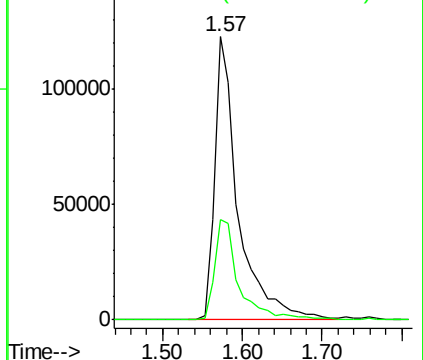
85 100

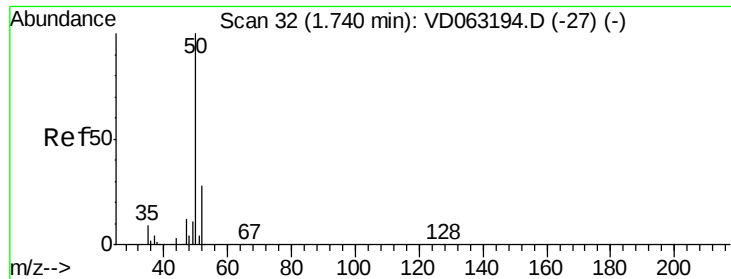
87 35.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.727 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

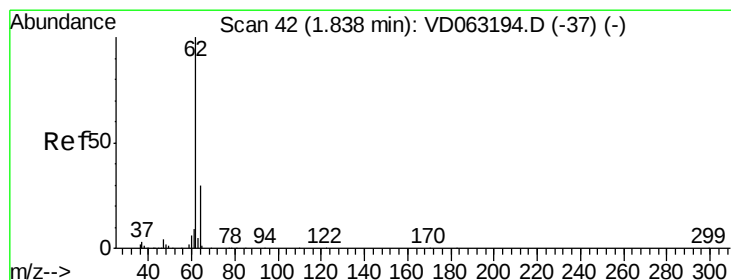
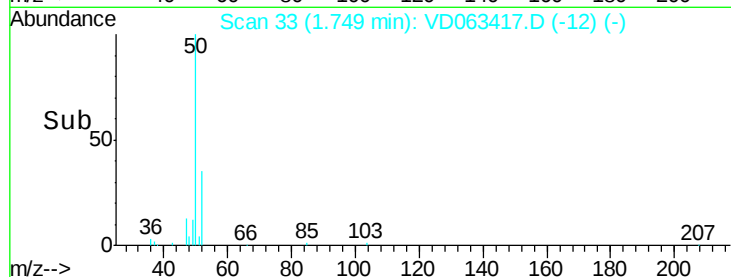
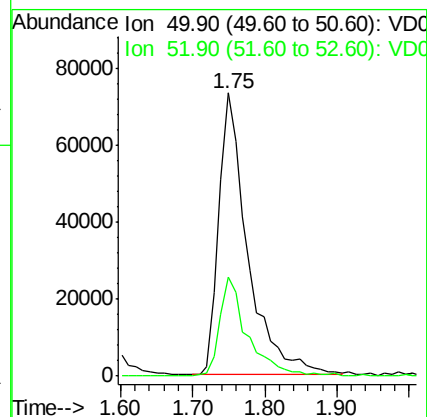
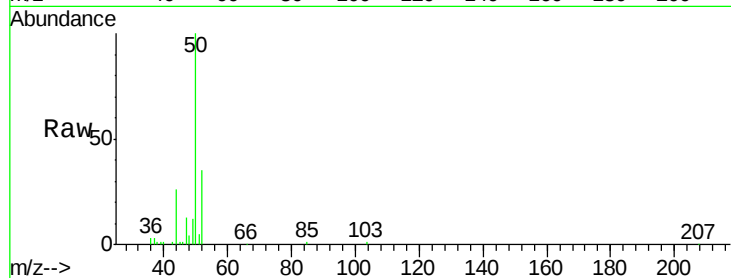
VD0807SBS01

Tot Ion: 50 Resp: 202589

Ion Ratio Lower Upper

50 100

52 35.1 22.6 34.0#



#4

Vinyl Chloride

Concen: 22.206 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063417.D

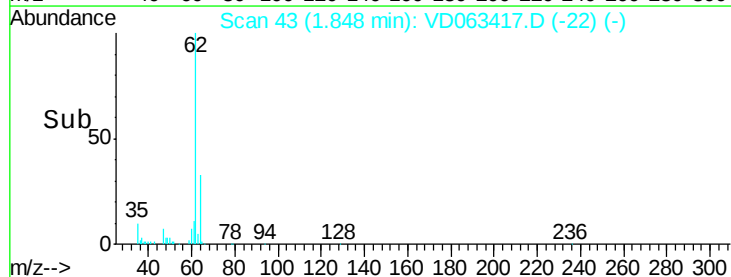
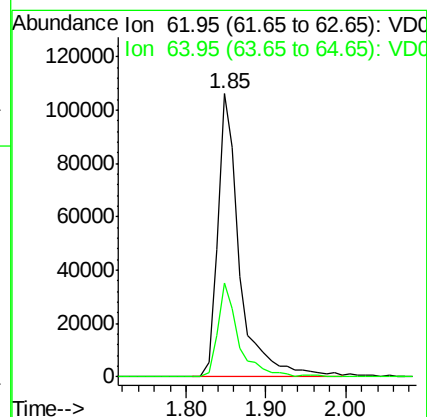
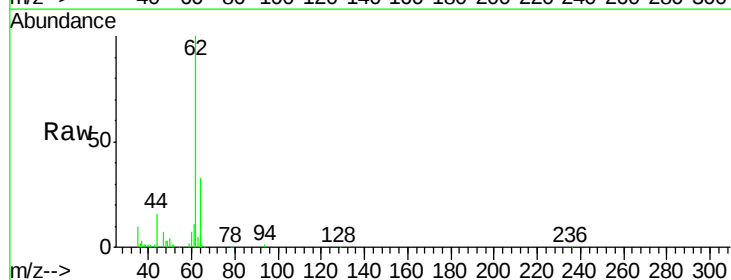
Acq: 7 Aug 2019 11:53

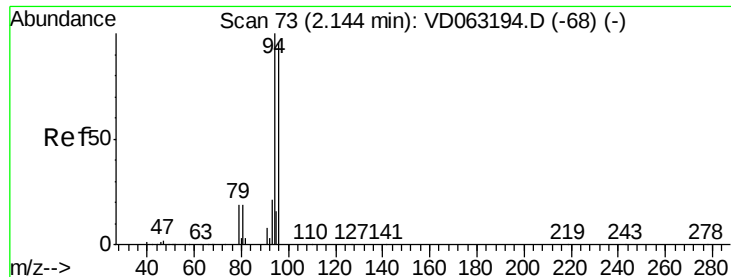
Tgt Ion: 62 Resp: 204915

Ion Ratio Lower Upper

62 100

64 33.1 24.1 36.1





#5

Bromomethane

Concen: 18.799 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

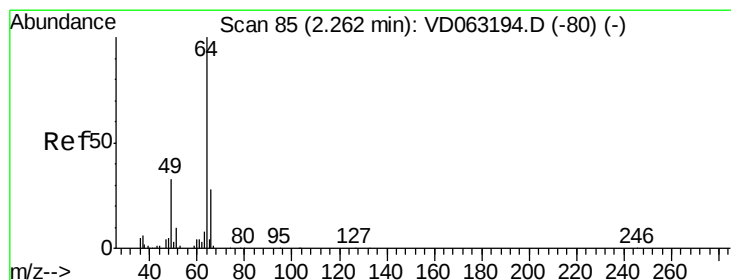
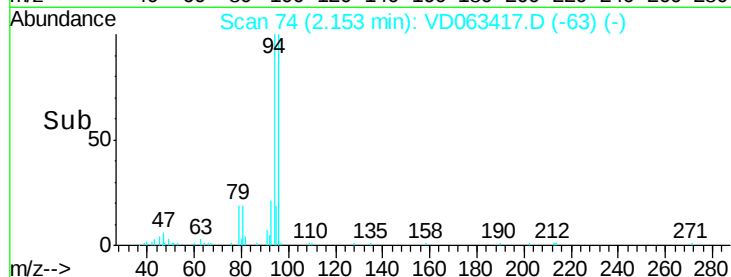
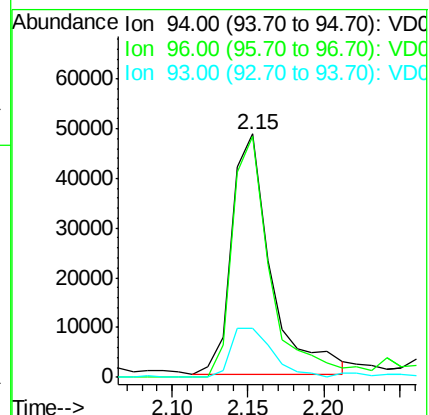
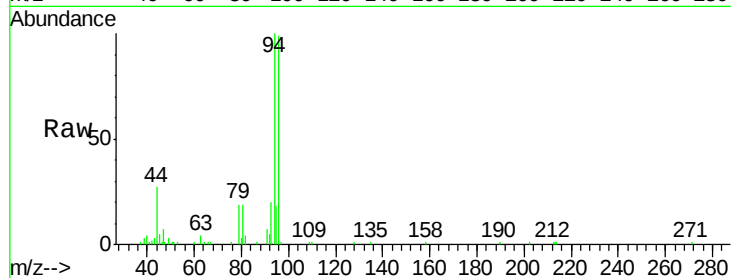
Tot Ion: 94 Resp: 87489

Ion Ratio Lower Upper

94 100

96 98.8 76.4 114.6

93 20.3 17.3 25.9



#6

Chloroethane

Concen: 21.709 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063417.D

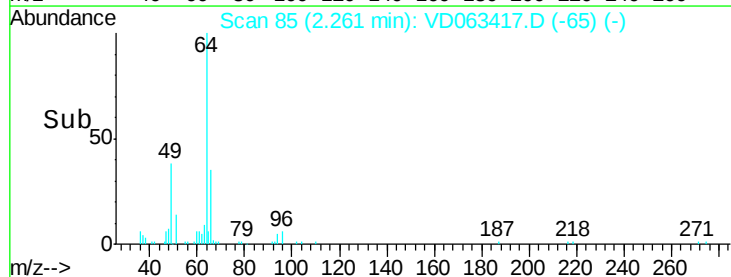
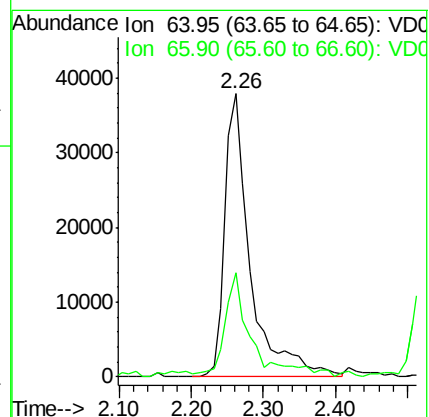
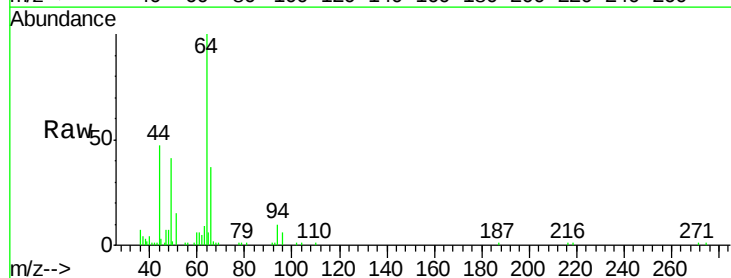
Acq: 7 Aug 2019 11:53

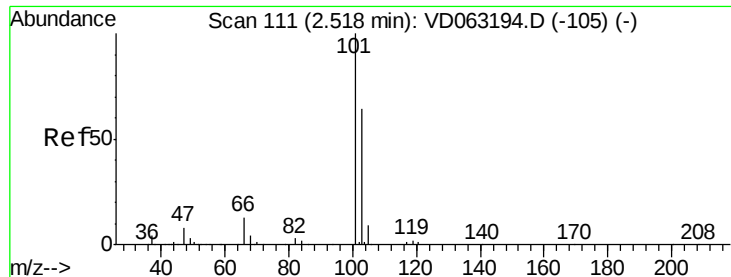
Tgt Ion: 64 Resp: 92490

Ion Ratio Lower Upper

64 100

66 36.9 22.2 33.2#



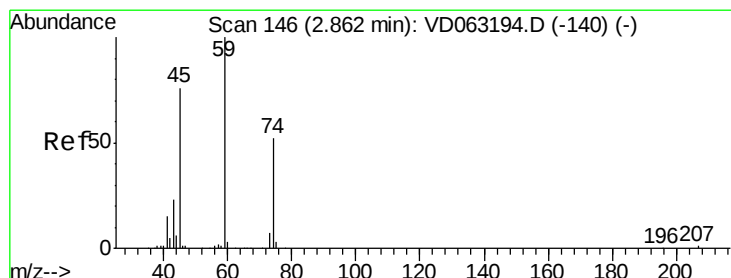
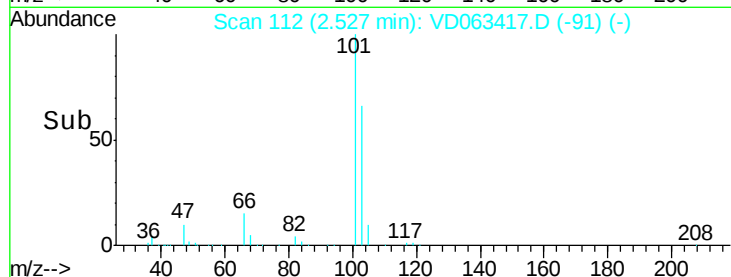
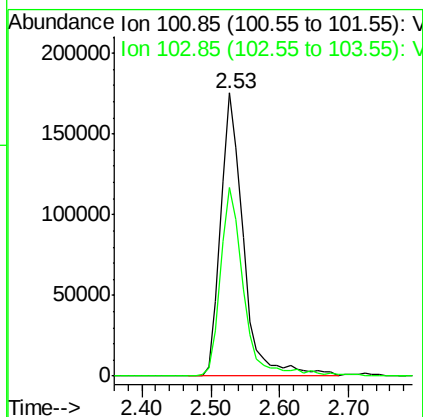
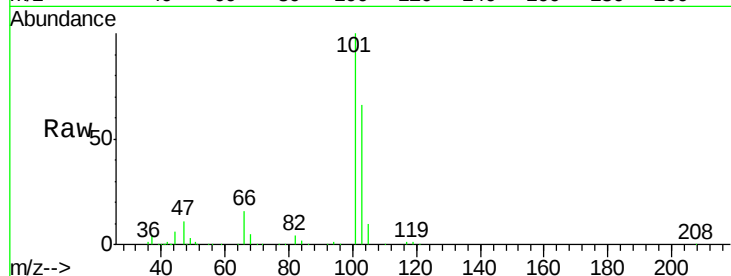


#7

Trichlorofluoromethane
Concen: 22.486 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

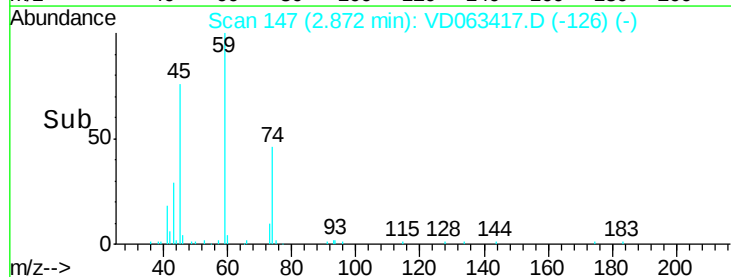
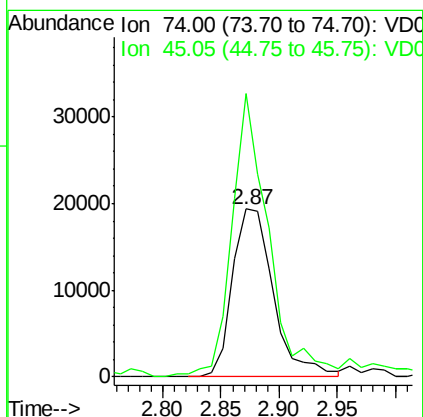
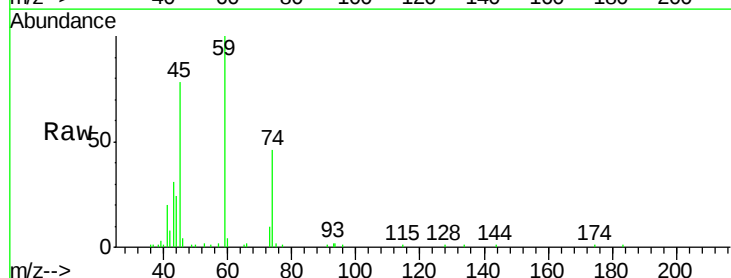
Tot Ion:101 Resp: 402548
Ion Ratio Lower Upper
101 100
103 66.5 51.5 77.3

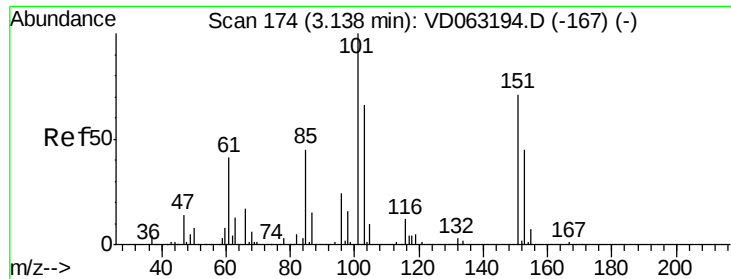


#8

Diethyl Ether
Concen: 18.849 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 74 Resp: 47226
Ion Ratio Lower Upper
74 100
45 168.9 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.164 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

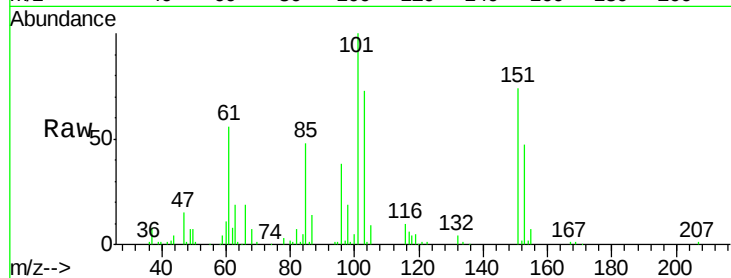
Tot Ion:101 Resp: 229711

Ion Ratio Lower Upper

101 100

85 47.8 36.1 54.1

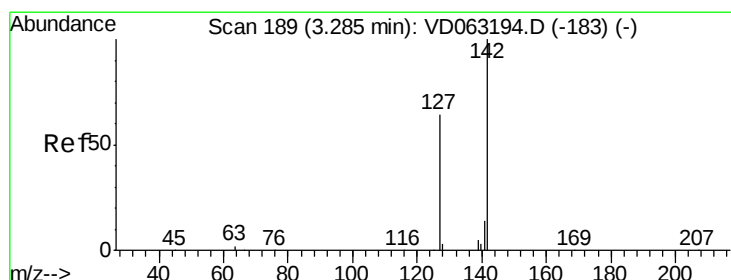
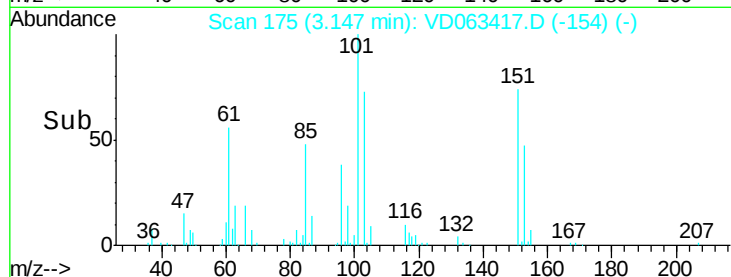
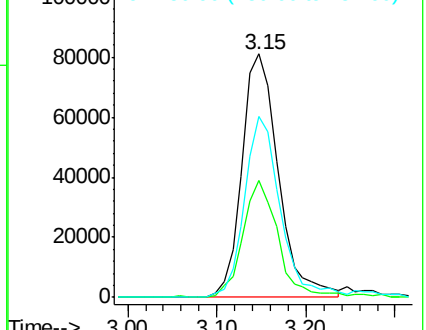
151 74.3 57.1 85.7



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: 18.215 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

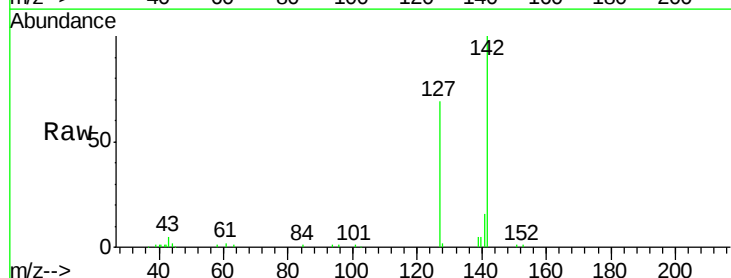
Tgt Ion:142 Resp: 260940

Ion Ratio Lower Upper

142 100

127 69.0 50.8 76.2

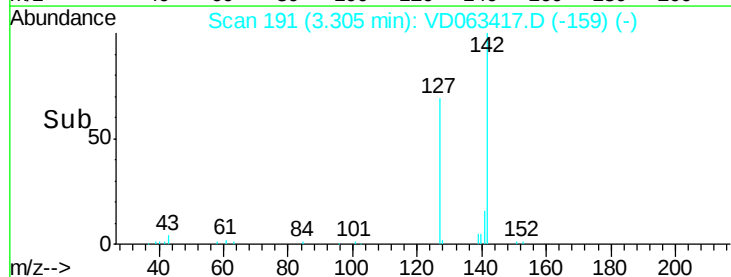
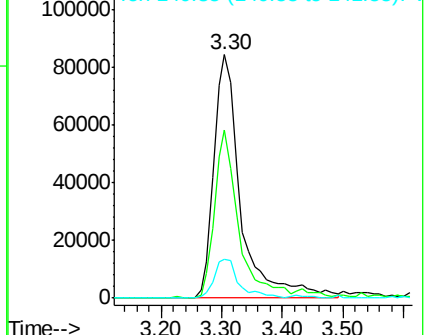
141 16.1 11.4 17.2

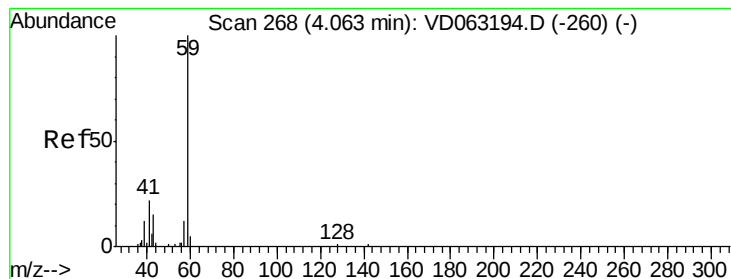


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



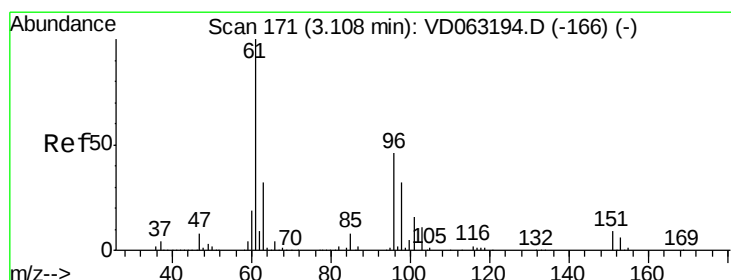
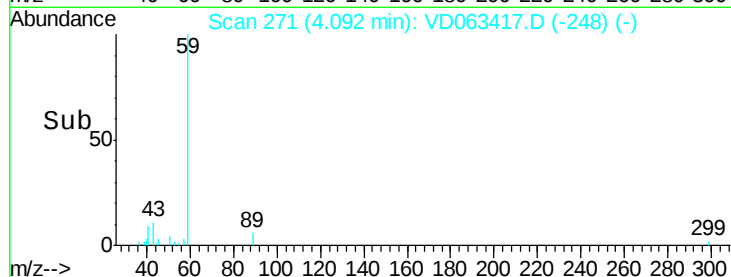
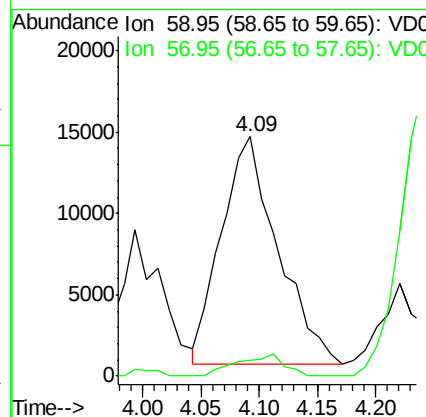
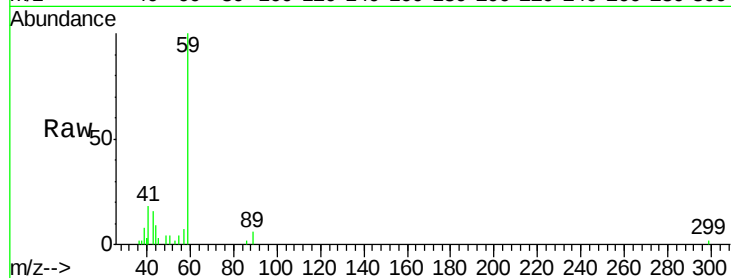


#11

Tert butyl alcohol
 Concen: 102.404 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.03 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

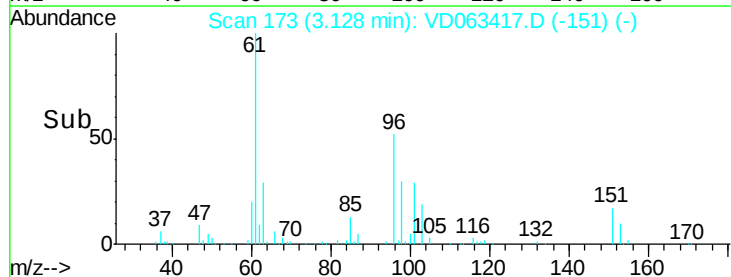
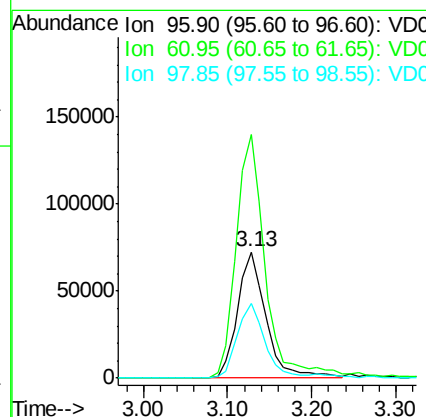
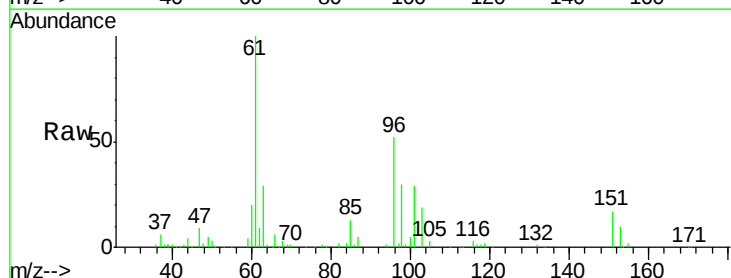
Tot Ion: 59 Resp: 46803
 Ion Ratio Lower Upper
 59 100
 57 6.8 9.6 14.4#

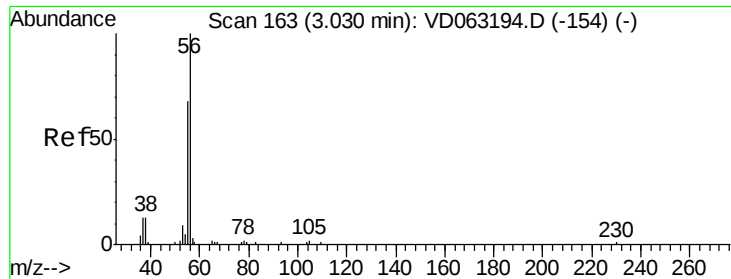


#12

1,1-Dichloroethene
 Concen: 23.711 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion: 96 Resp: 172615
 Ion Ratio Lower Upper
 96 100
 61 192.6 173.7 260.5
 98 58.7 55.8 83.8





#13

Acrolein

Concen: 64.043 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

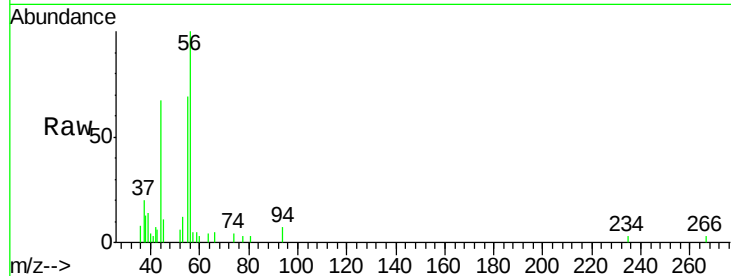
VD0807SBS01

Tot Ion: 56 Resp: 28170

Ion Ratio Lower Upper

56 100

55 68.9 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

12000

10000

8000

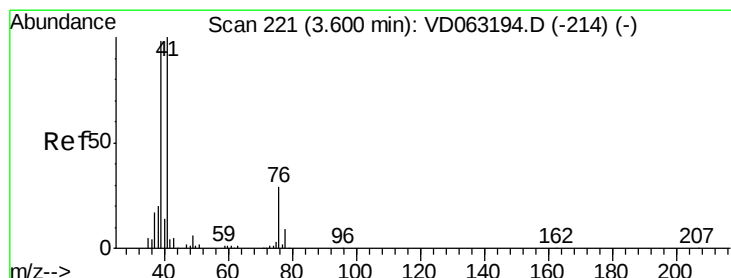
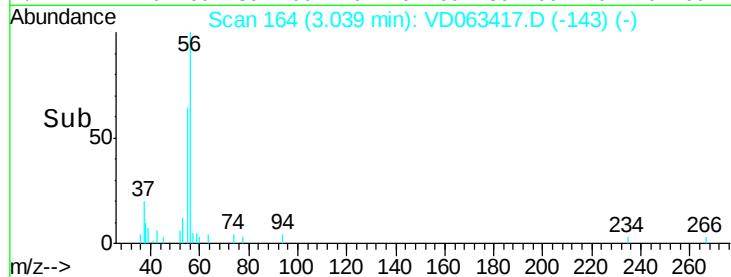
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.546 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

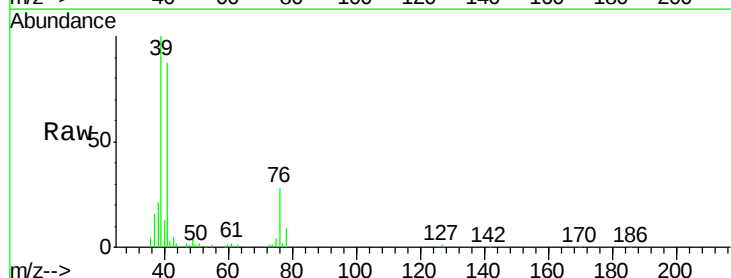
Tgt Ion: 41 Resp: 249874

Ion Ratio Lower Upper

41 100

39 115.2 78.6 117.8

76 32.3 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

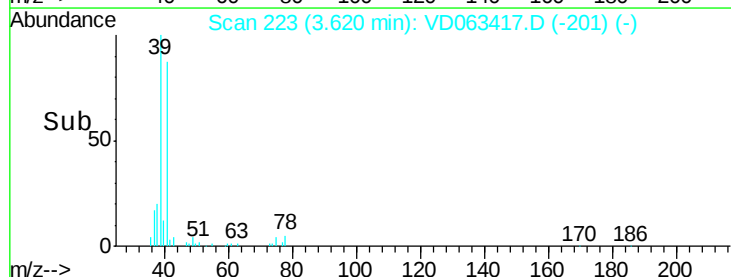
3.62

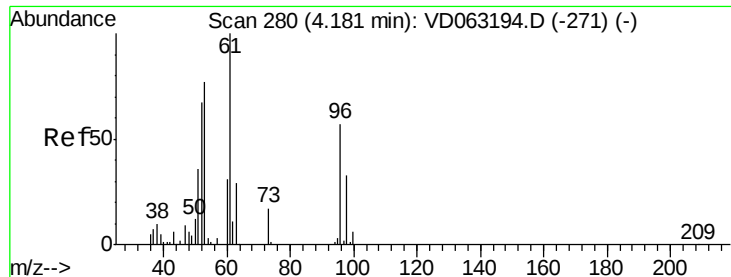
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 98.899 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

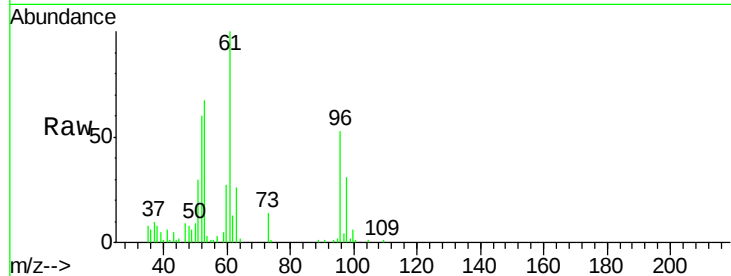
Tot Ion: 53 Resp: 117187

Ion Ratio Lower Upper

53 100

52 90.0 69.7 104.5

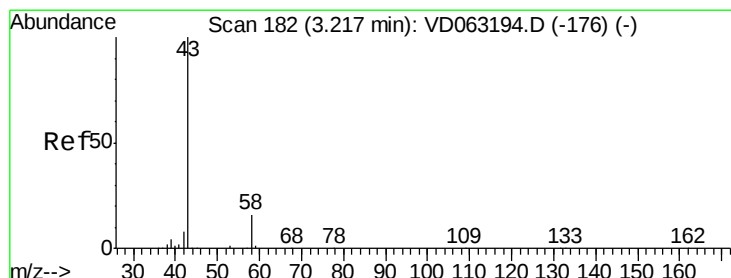
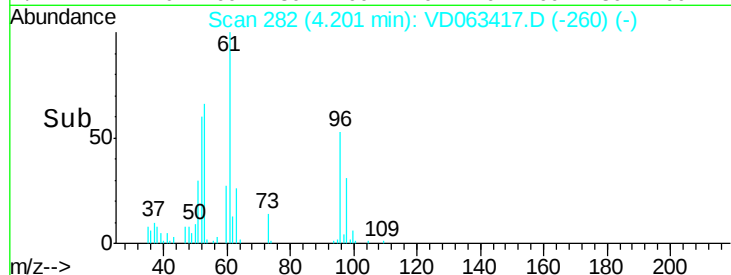
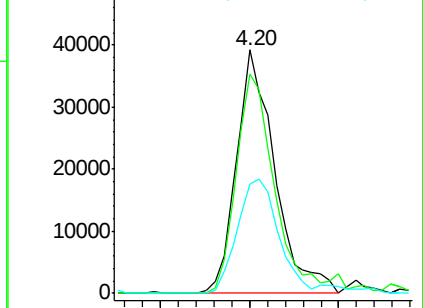
51 44.7 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.955 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063417.D

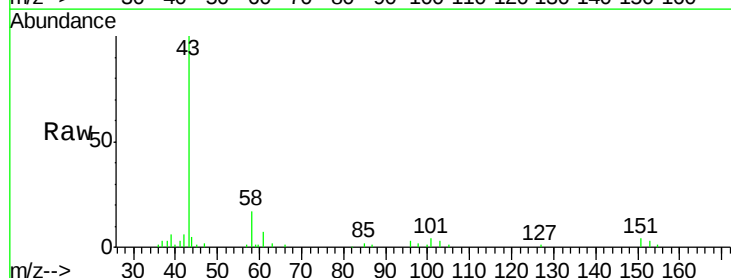
Acq: 7 Aug 2019 11:53

Tgt Ion: 43 Resp: 208912

Ion Ratio Lower Upper

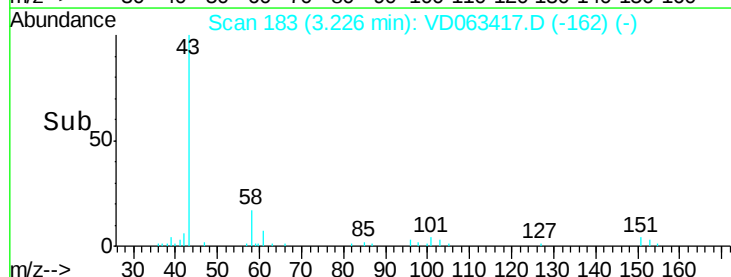
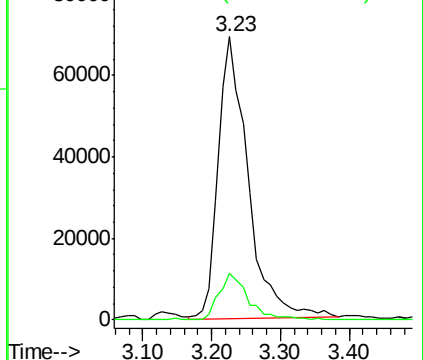
43 100

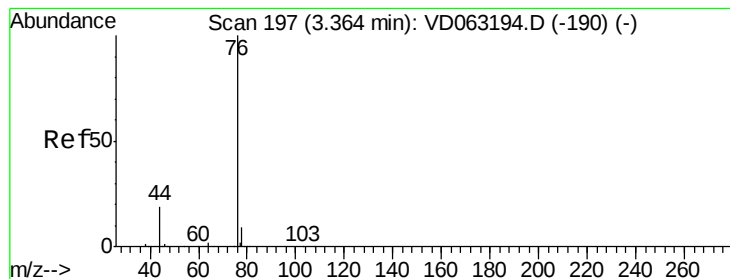
58 16.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.831 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

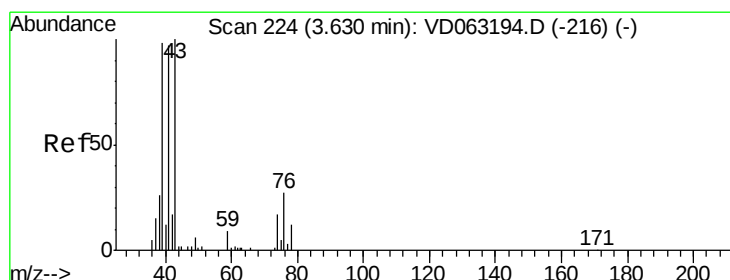
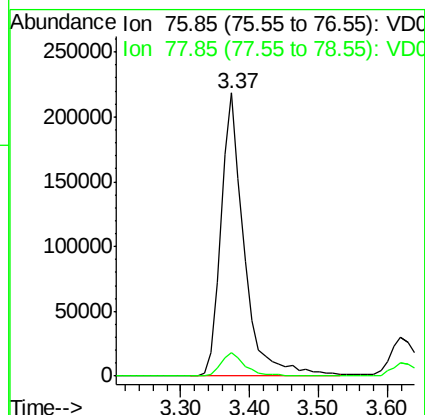
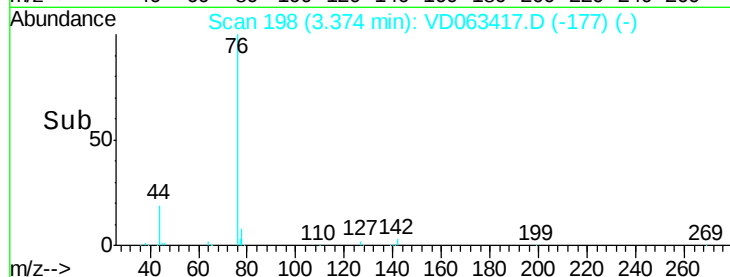
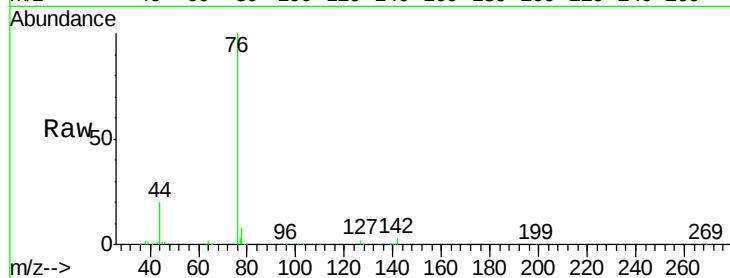
VD0807SBS01

Tot Ion: 76 Resp: 507592

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2



#18

Methyl Acetate

Concen: 21.171 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063417.D

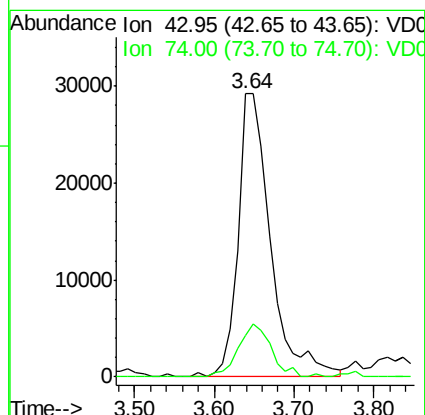
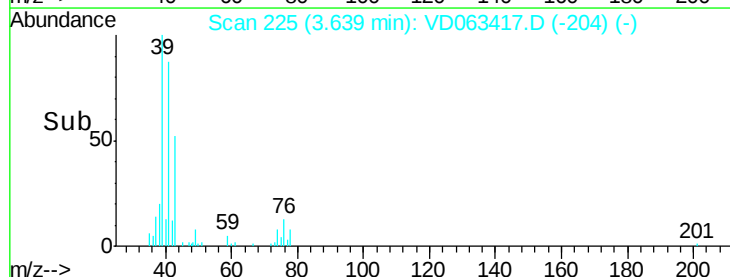
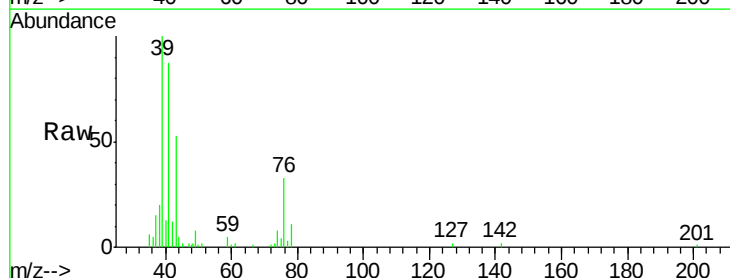
Acq: 7 Aug 2019 11:53

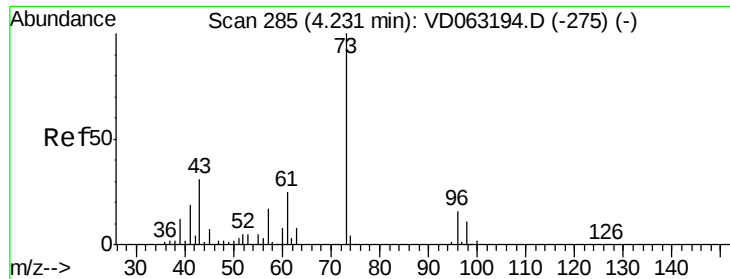
Tgt Ion: 43 Resp: 82519

Ion Ratio Lower Upper

43 100

74 14.8 13.8 20.8

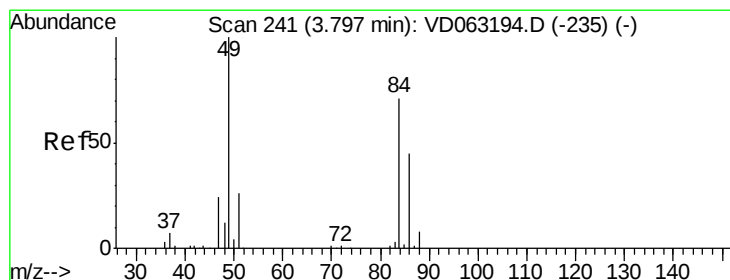
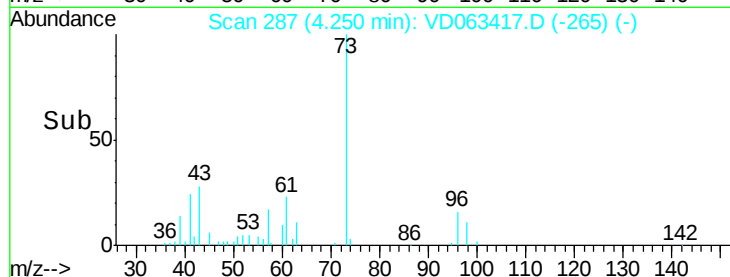
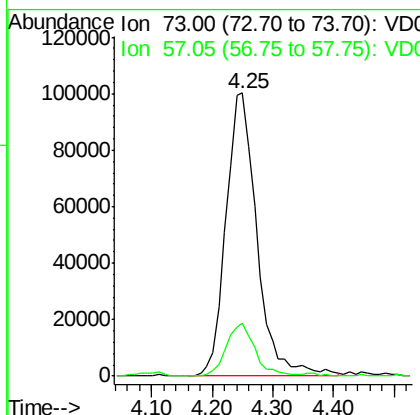
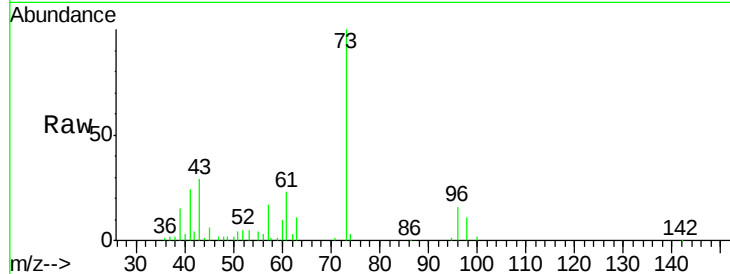




#19
Methyl tert-butyl Ether
Concen: 21.683 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

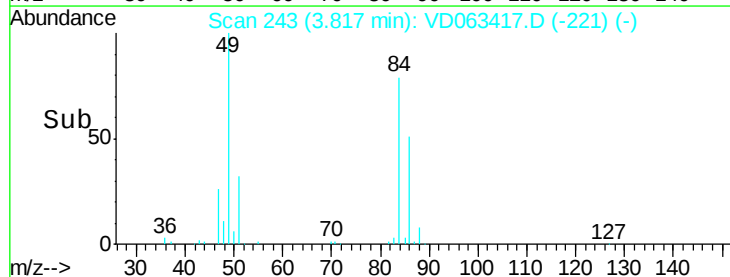
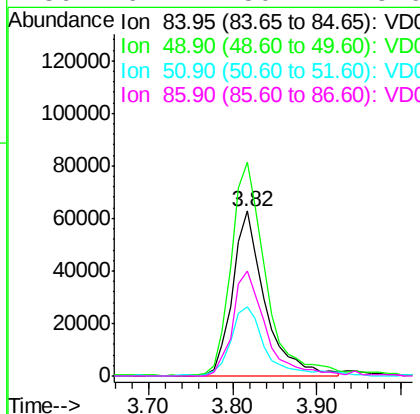
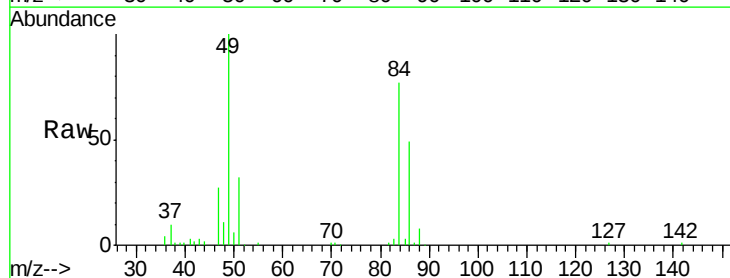
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

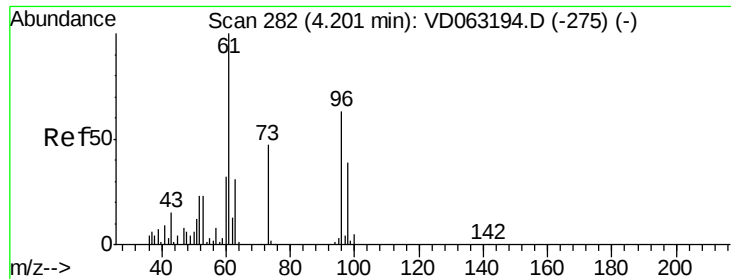
Tot Ion: 73 Resp: 356562
Ion Ratio Lower Upper
73 100
57 18.7 13.8 20.6



#20
Methylene Chloride
Concen: 20.600 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 84 Resp: 168964
Ion Ratio Lower Upper
84 100
49 129.7 112.5 168.7
51 41.9 29.6 44.4
86 64.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.553 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

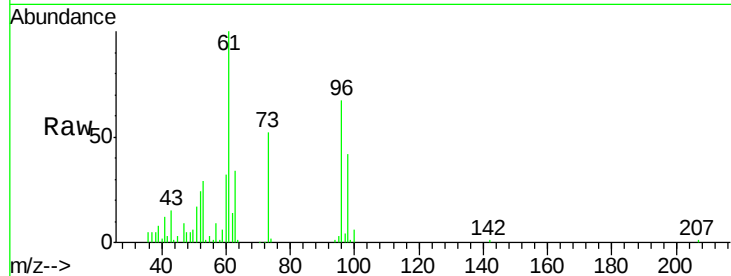
Tot Ion: 96 Resp: 184228

Ion Ratio Lower Upper

96 100

61 149.9 127.4 191.2

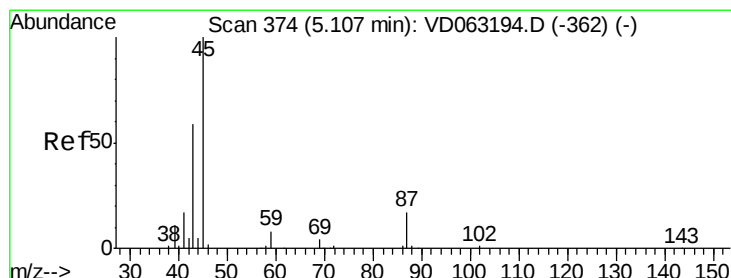
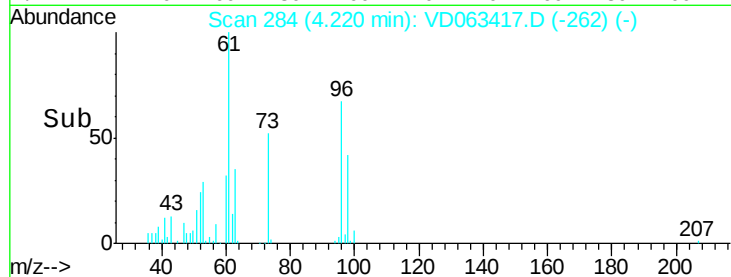
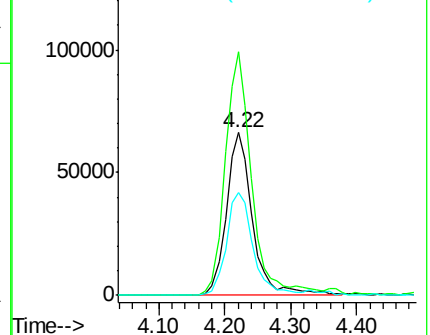
98 63.0 49.3 73.9



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: 21.377 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Tgt Ion: 45 Resp: 495305

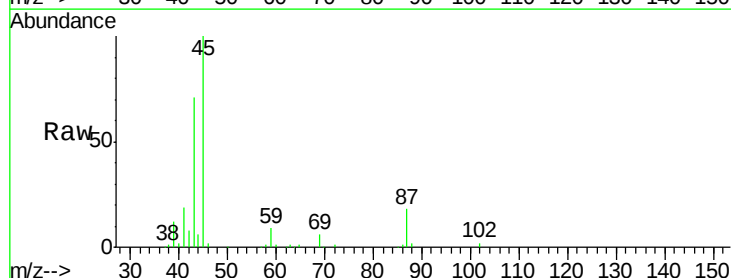
Ion Ratio Lower Upper

45 100

43 71.2 51.7 77.5

87 18.4 14.6 21.8

59 8.7 6.6 10.0

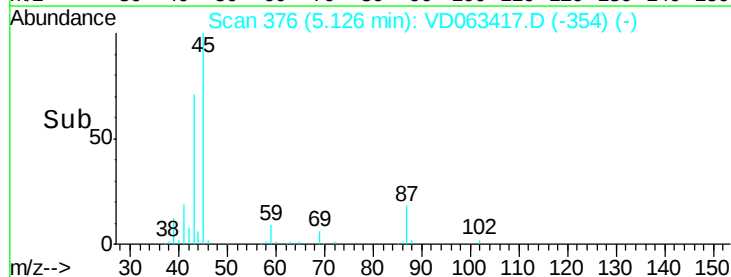
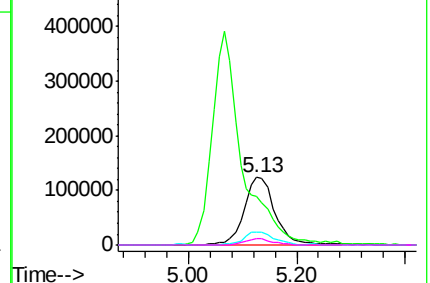


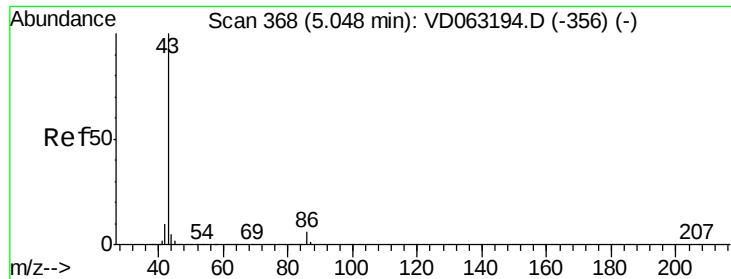
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.628 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

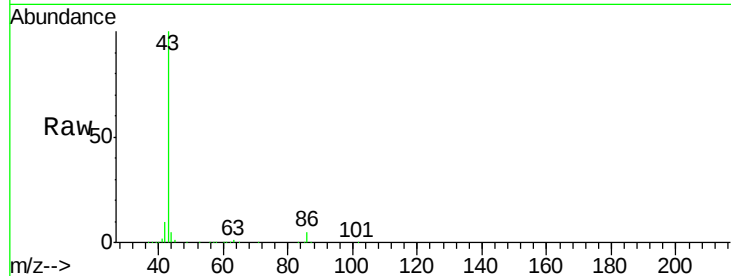
VD0807SBS01

Tot Ion: 43 Resp: 1490196

Ion Ratio Lower Upper

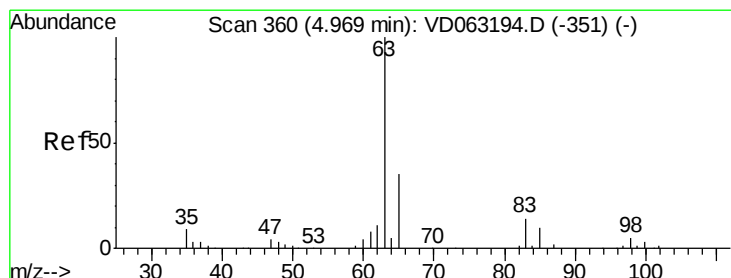
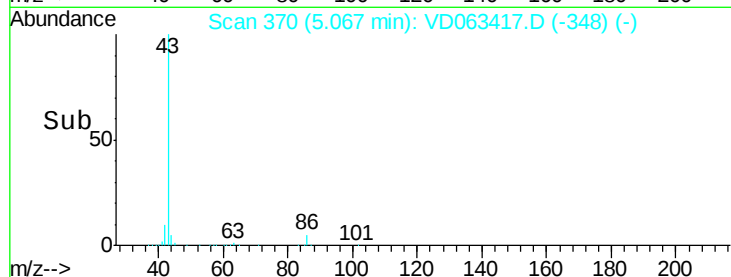
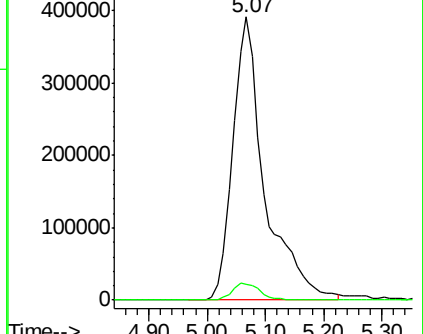
43 100

86 5.5 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: 21.770 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

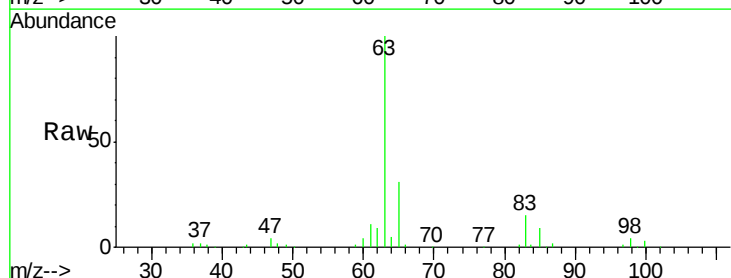
Tgt Ion: 63 Resp: 322195

Ion Ratio Lower Upper

63 100

98 3.7 2.8 8.4

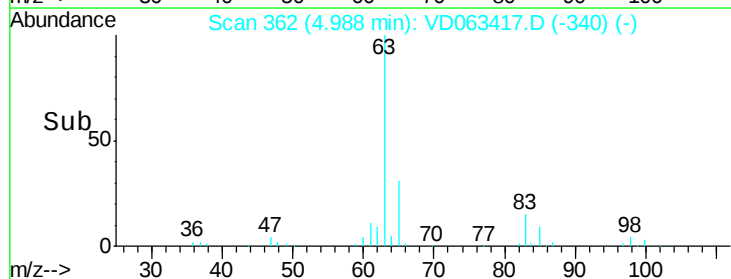
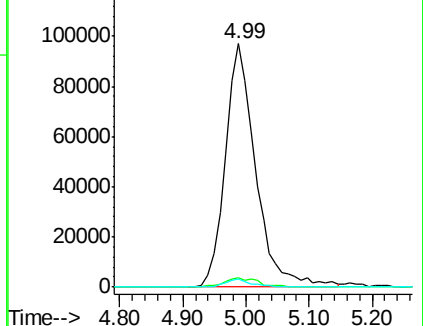
100 3.2 1.3 3.9

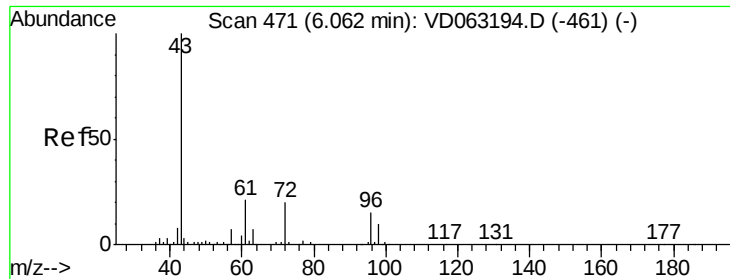


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 105.244 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

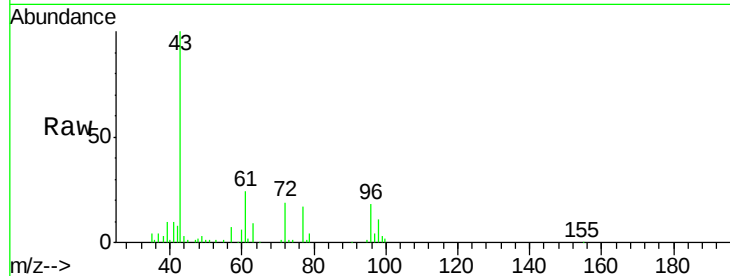
VD0807SBS01

Tot Ion: 43 Resp: 214323

Ion Ratio Lower Upper

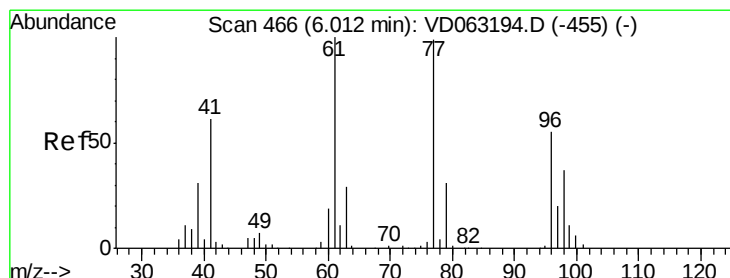
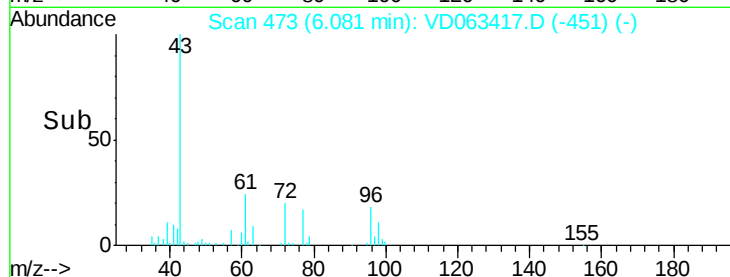
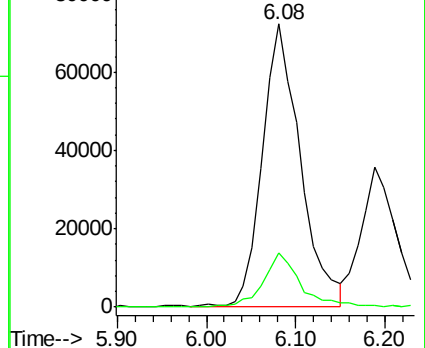
43 100

72 19.3 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: 23.464 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063417.D

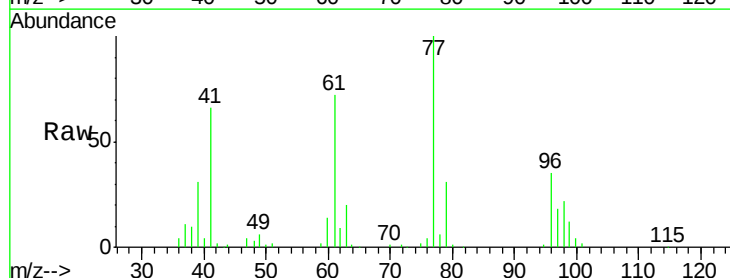
Acq: 7 Aug 2019 11:53

Tgt Ion: 77 Resp: 357881

Ion Ratio Lower Upper

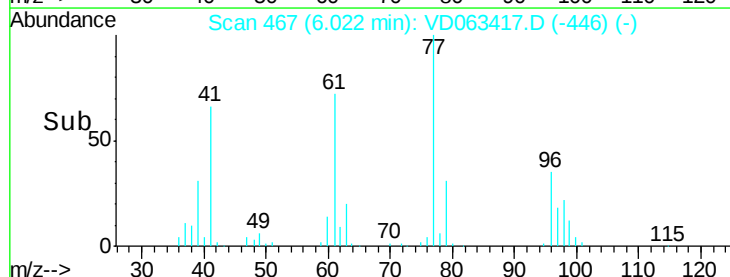
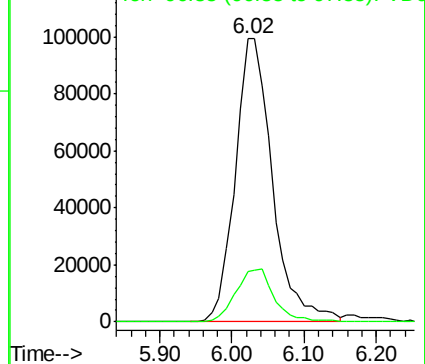
77 100

97 17.9 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



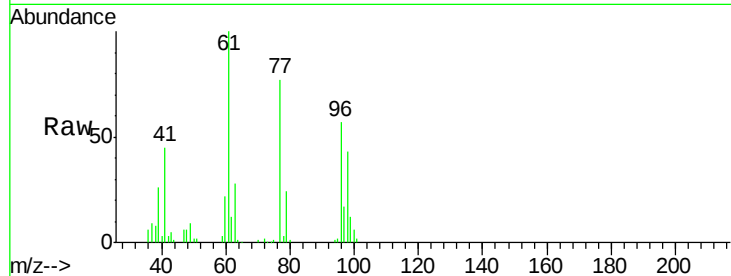


#27

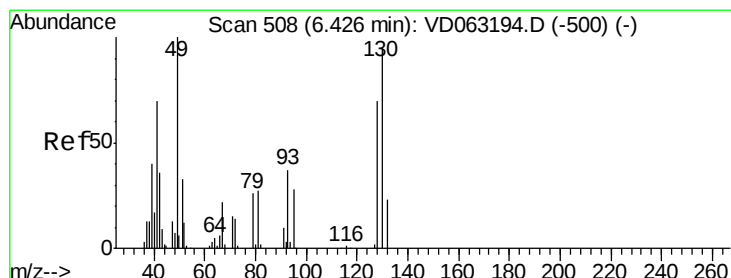
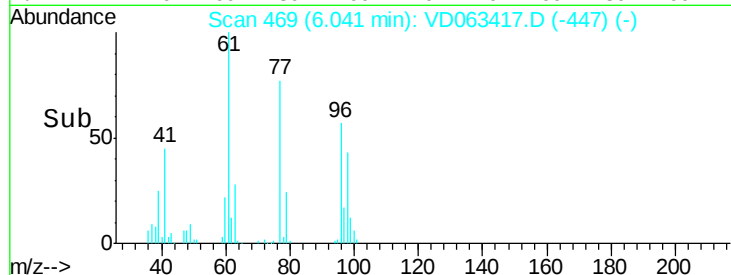
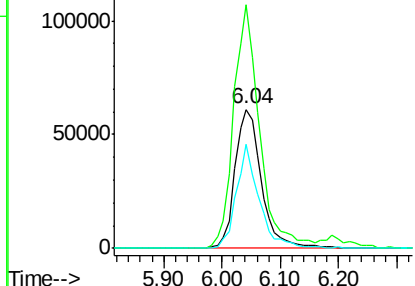
cis-1,2-Dichloroethene
 Concen: 21.953 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Tot Ion	96	Resp	192258
Ion	Ratio	Lower	Upper
96	100		
61	175.0	0.0	337.2
98	74.9	0.0	130.6



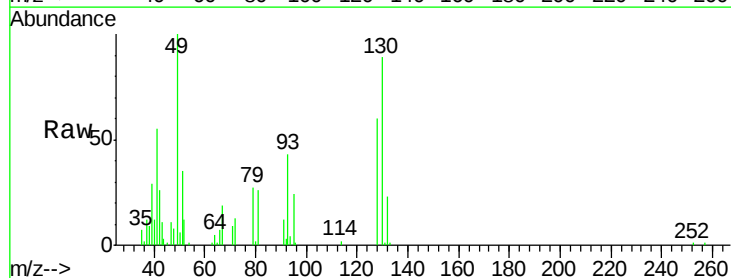
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



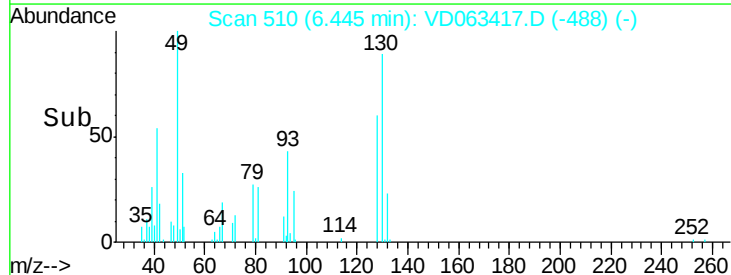
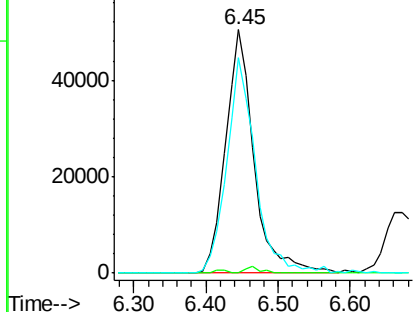
#28

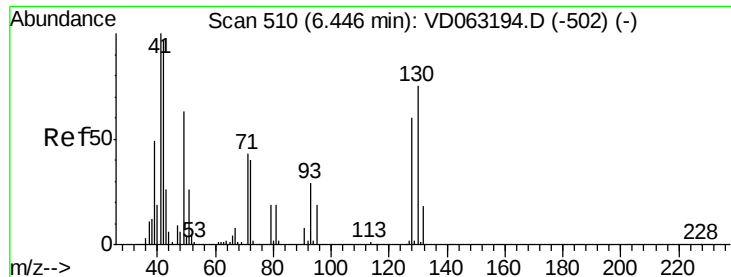
Bromochloromethane
 Concen: 23.346 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion	49	Resp	137668
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	88.7	75.7	113.5



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

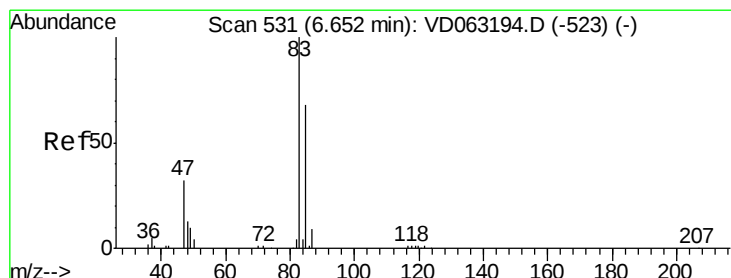
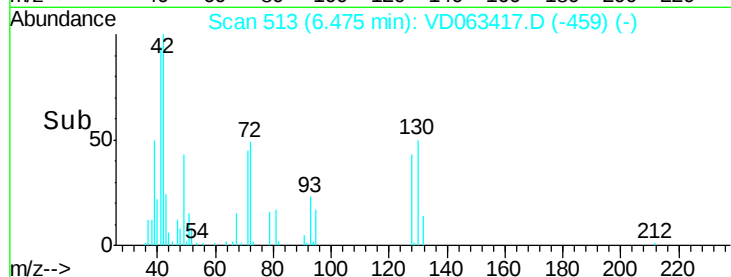
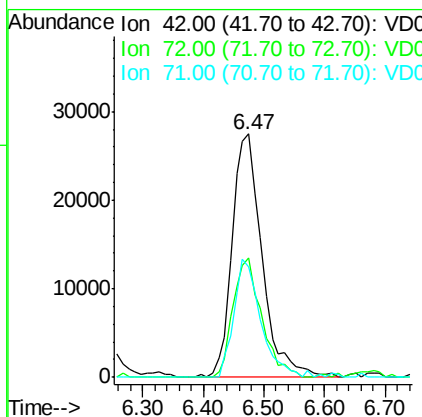
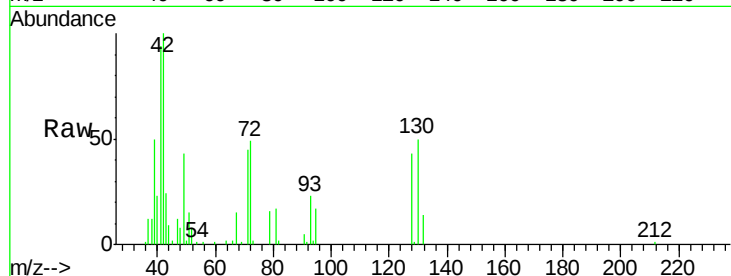




#29
Tetrahydrofuran
Concen: 97.892 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

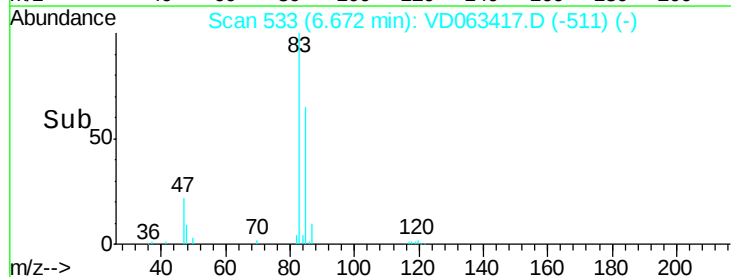
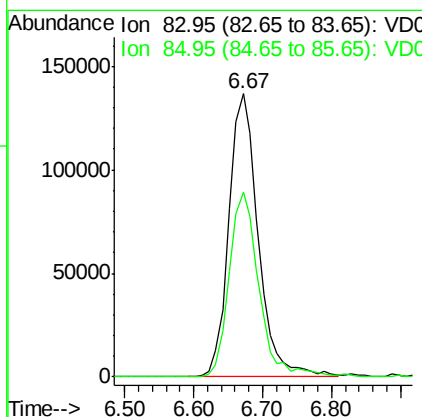
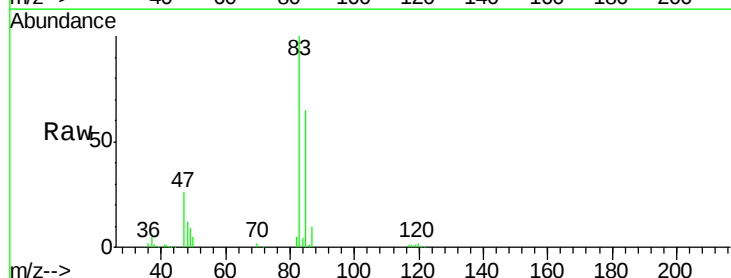
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

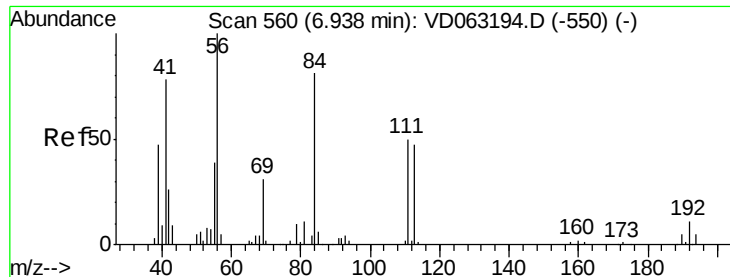
Tot Ion: 42 Resp: 94382
Ion Ratio Lower Upper
42 100
72 46.8 33.4 50.2
71 43.5 35.7 53.5



#30
Chloroform
Concen: 21.975 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 83 Resp: 403624
Ion Ratio Lower Upper
83 100
85 65.2 54.2 81.4





#31

Cyclohexane

Concen: 19.765 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

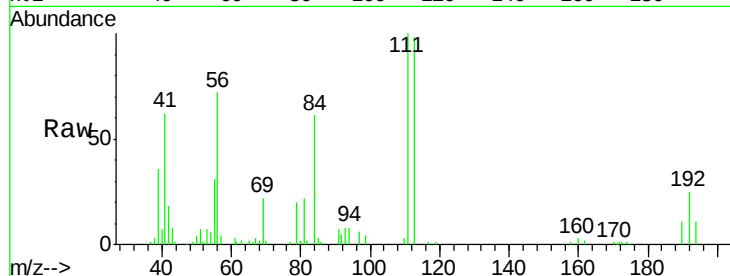
Tot Ion: 56 Resp: 183352

Ion Ratio Lower Upper

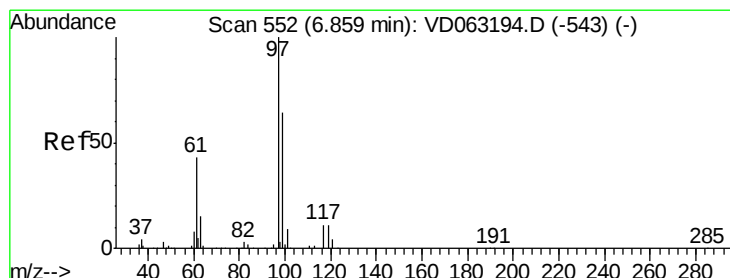
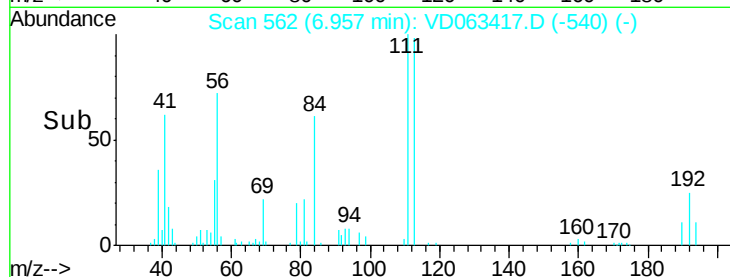
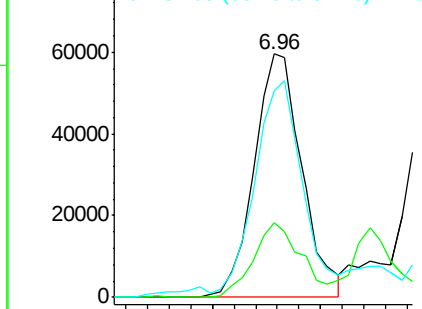
56 100

69 30.8 24.5 36.7

84 84.8 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: 23.239 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

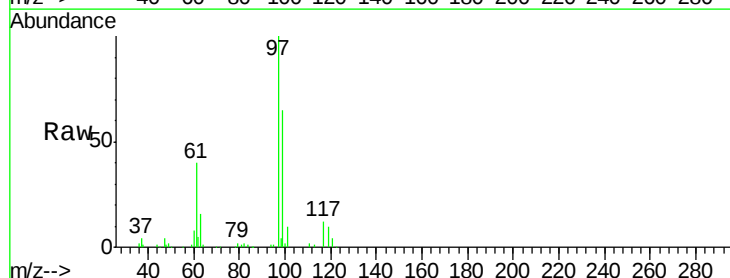
Tgt Ion: 97 Resp: 412863

Ion Ratio Lower Upper

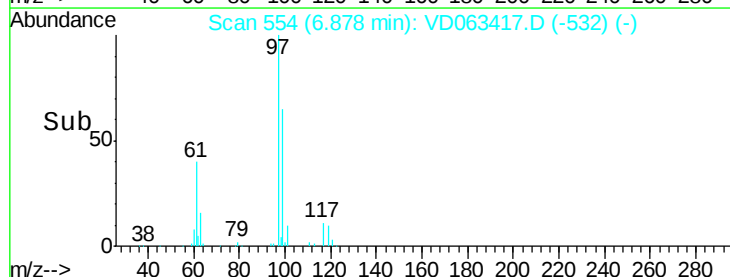
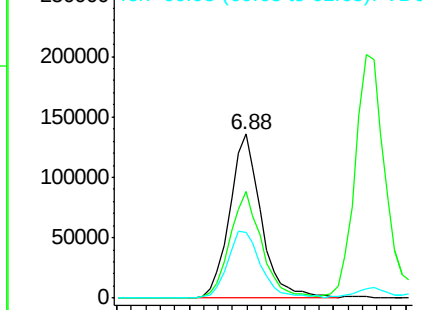
97 100

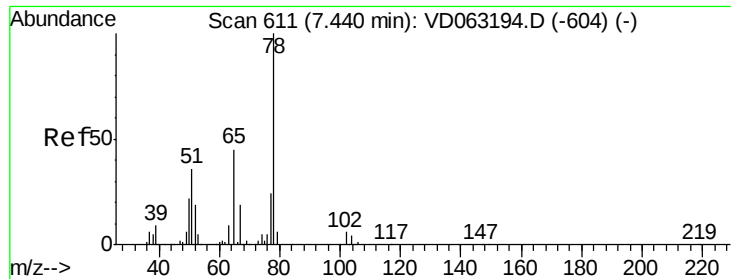
99 65.1 51.2 76.8

61 40.1 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

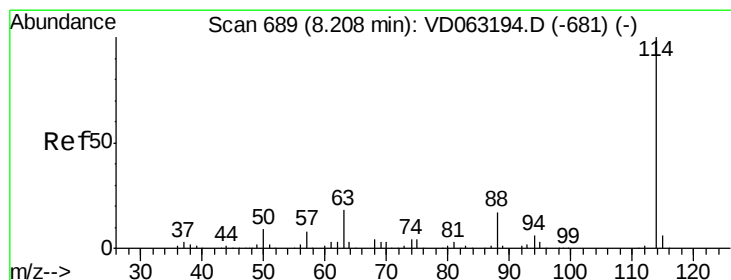
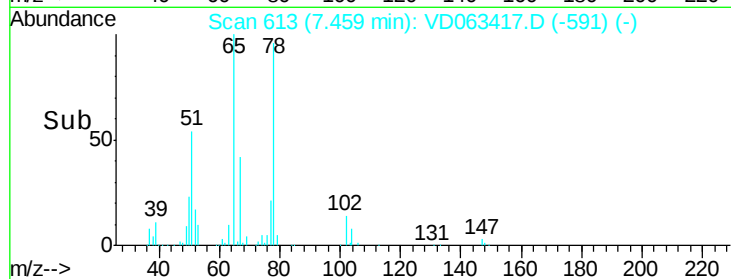
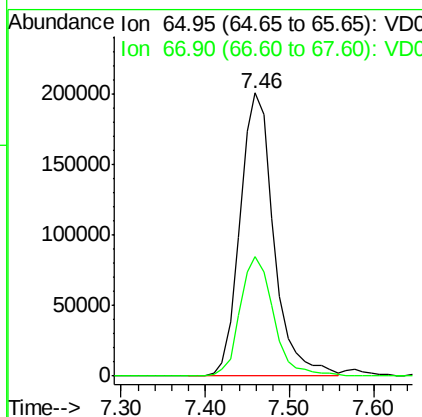
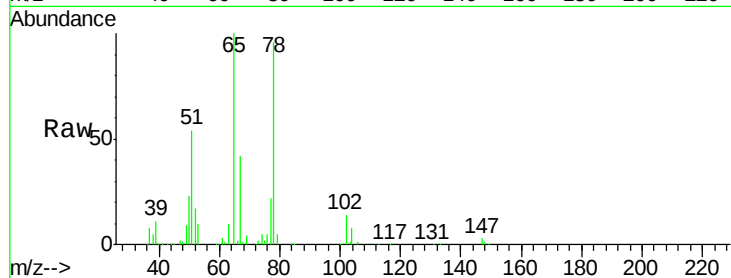




#33
 1,2-Dichloroethane-d4
 Concen: 53.981 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

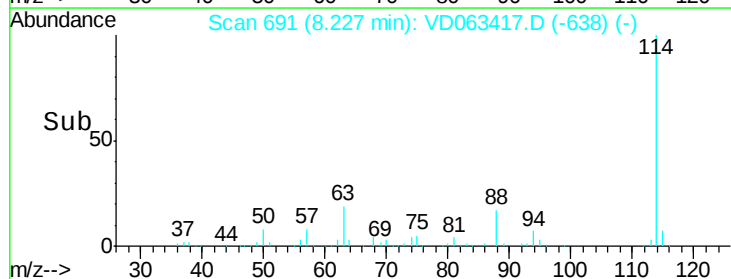
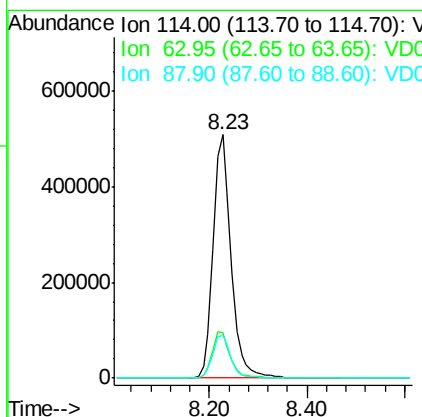
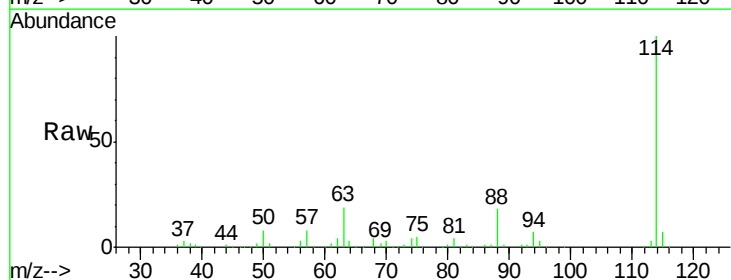
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

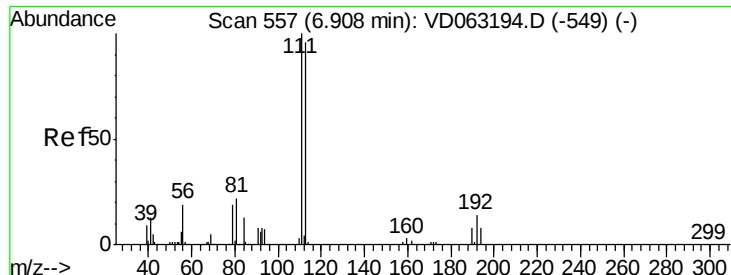
Tot Ion: 65 Resp: 562186
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion: 114 Resp: 1304027
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 35.2
 88 17.5 0.0 34.6

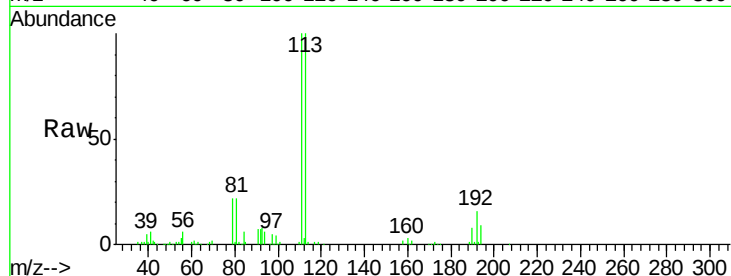




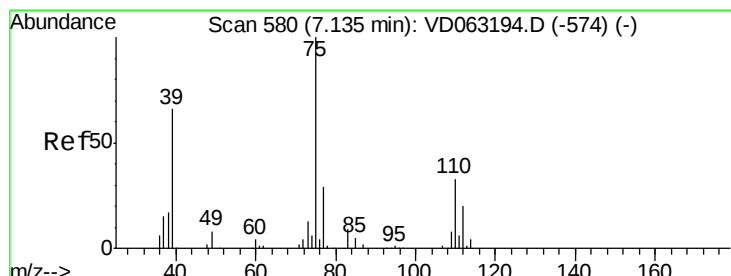
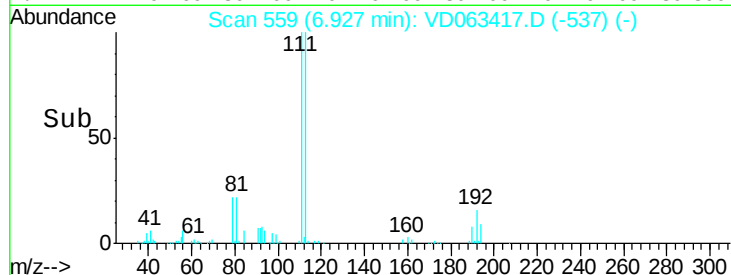
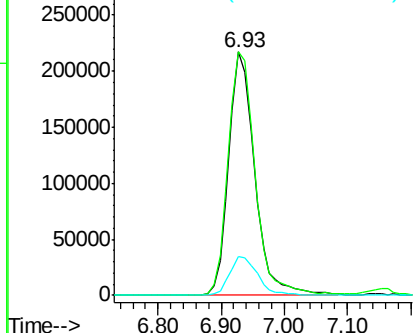
#35
Dibromofluoromethane
Concen: 55.877 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.2	124.8
192	16.2	11.8	17.8

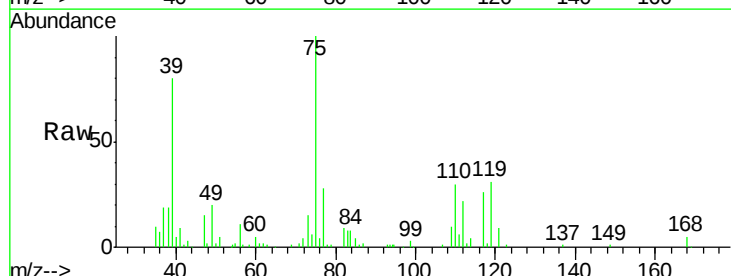


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

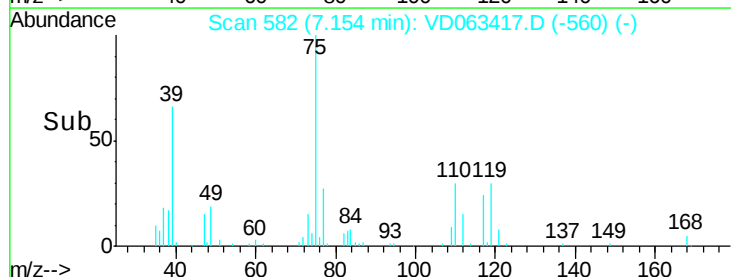
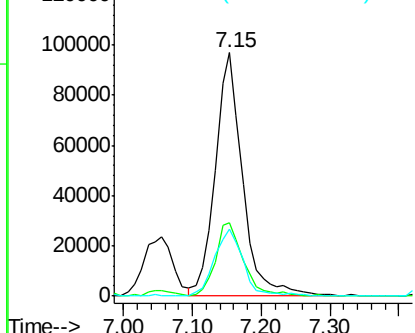


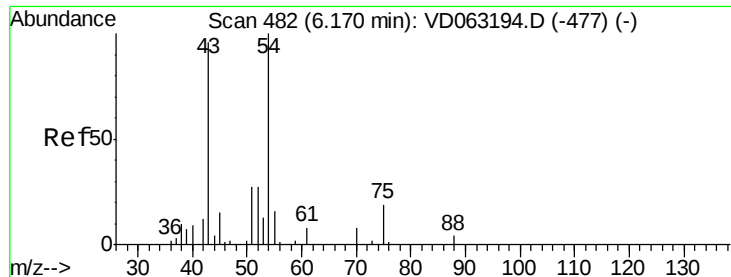
#36
1,1-Dichloropropene
Concen: 22.333 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.2	16.1	48.2
77	27.8	22.7	34.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

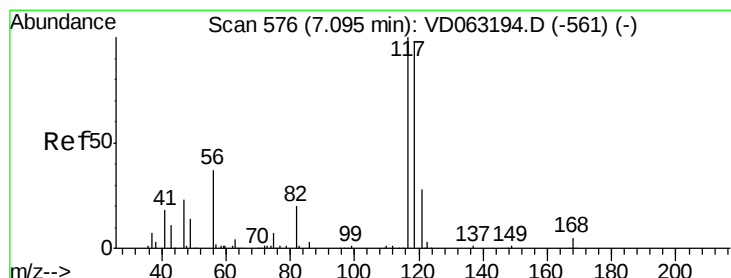
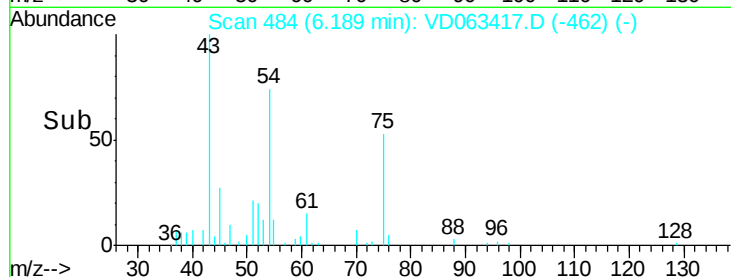
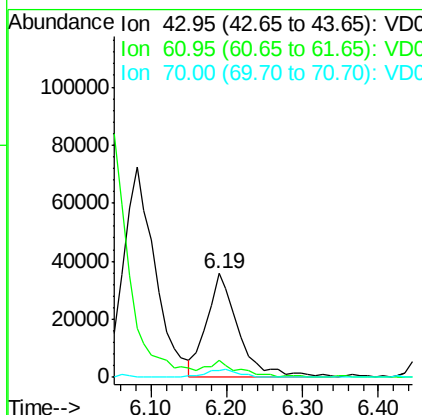
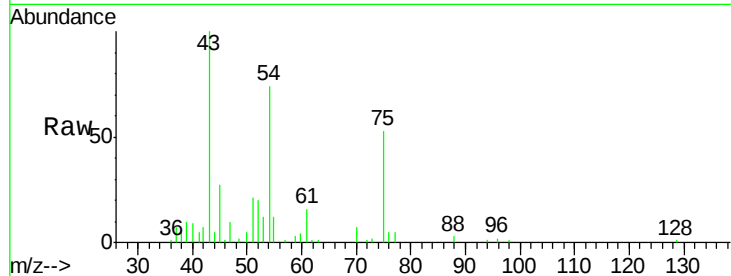




#37
Ethyl Acetate
Concen: 19.074 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

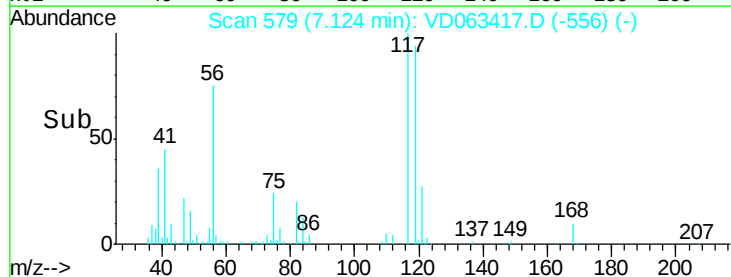
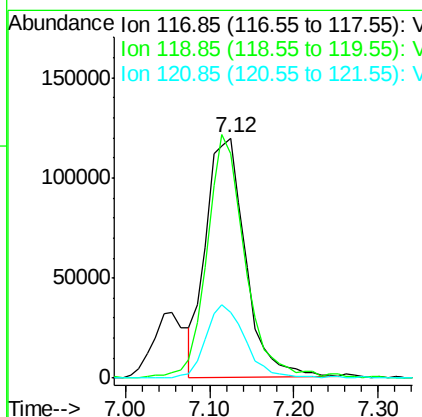
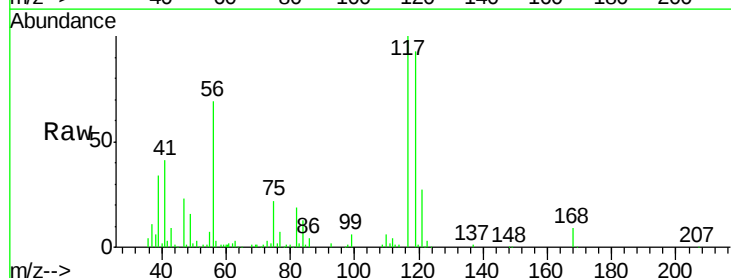
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

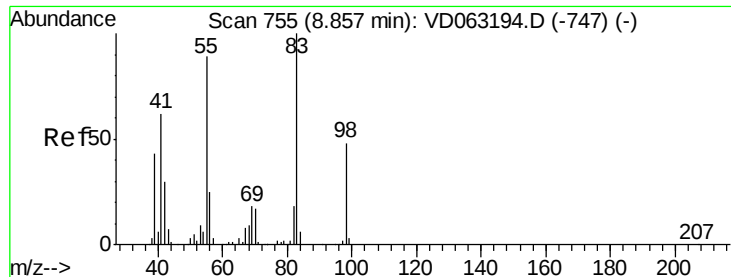
Tot Ion: 43 Resp: 101979
Ion Ratio Lower Upper
43 100
61 16.1 11.3 16.9
70 7.2 5.1 7.7



#38
Carbon Tetrachloride
Concen: 21.785 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 117 Resp: 390313
Ion Ratio Lower Upper
117 100
119 93.2 78.2 117.2
121 27.4 22.1 33.1

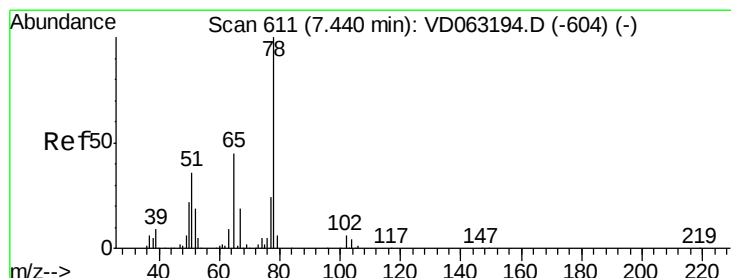
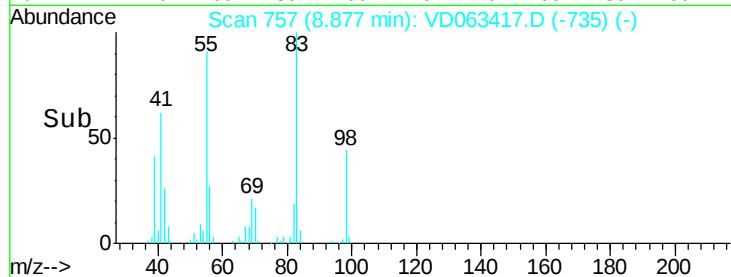
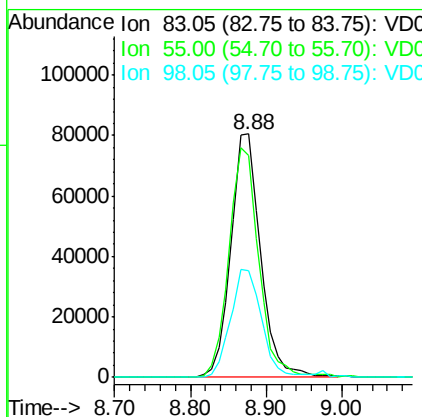
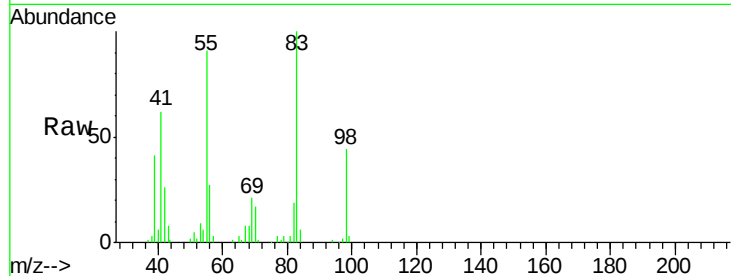




#39
Methvlcvclohexane
Concen: 22.028 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

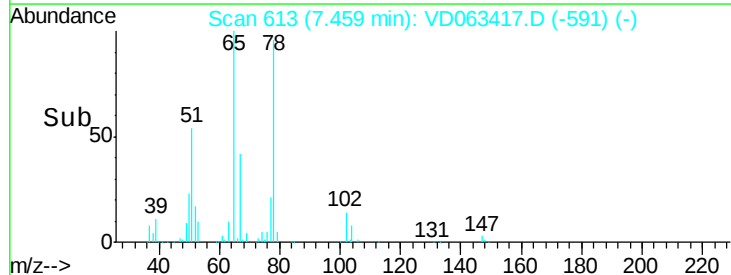
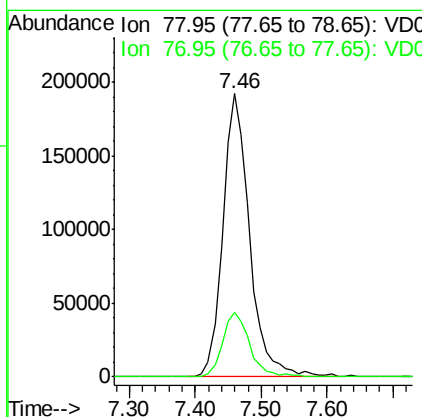
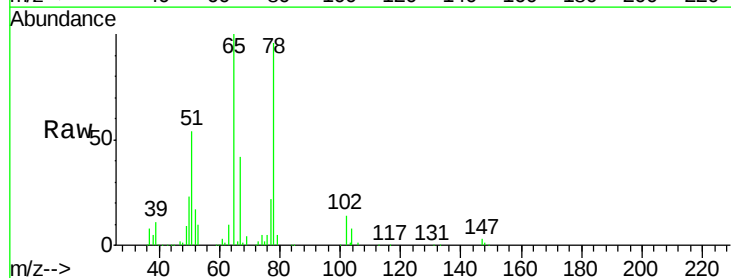
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

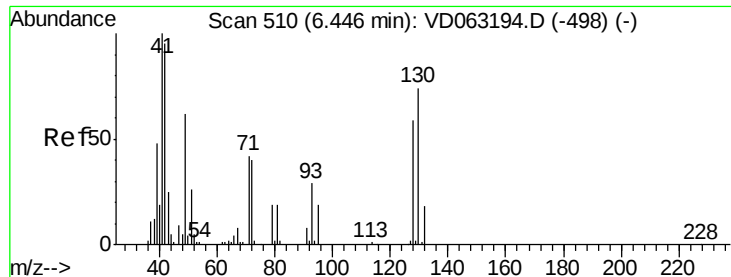
Tot Ion: 83 Resp: 218418
Ion Ratio Lower Upper
83 100
55 90.9 71.1 106.7
98 43.8 38.5 57.7



#40
Benzene
Concen: 21.790 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 78 Resp: 543495
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.2





#41

Methacrylonitrile

Concen: 20.749 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

Tot Ion: 41 Resp: 132700

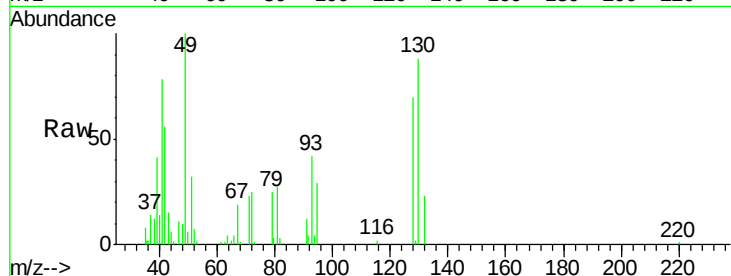
Ion Ratio Lower Upper

41 100

39 52.8 38.4 57.6

67 24.4 6.7 10.1#

52 9.3 4.3 6.5#

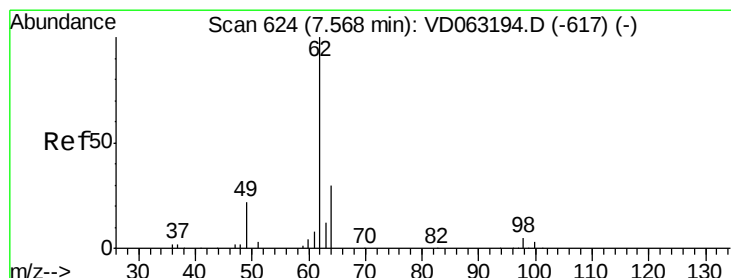
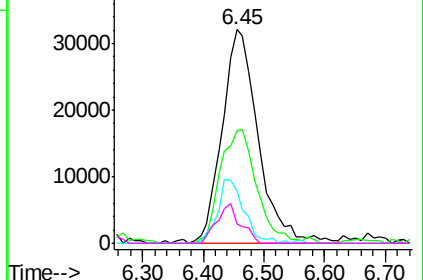
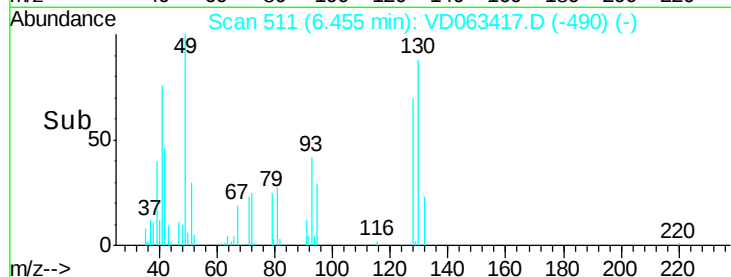


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.863 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD063417.D

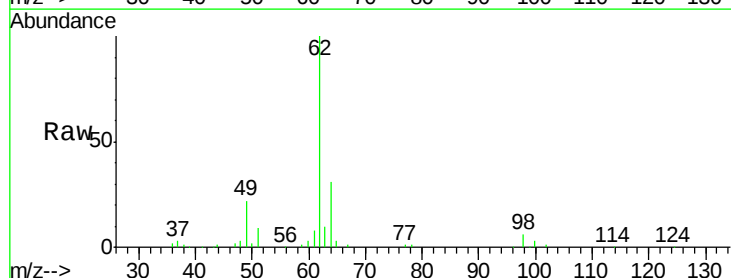
Acq: 7 Aug 2019 11:53

Tgt Ion: 62 Resp: 288998

Ion Ratio Lower Upper

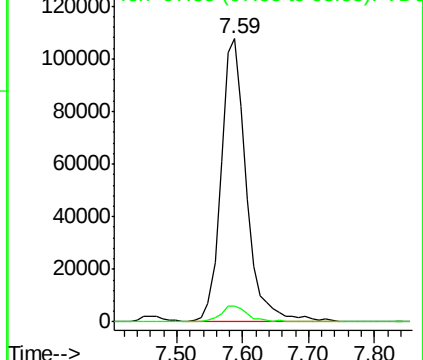
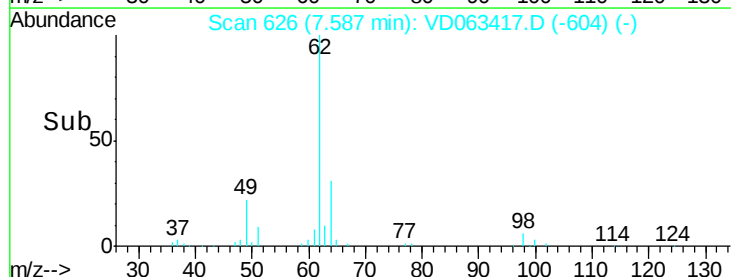
62 100

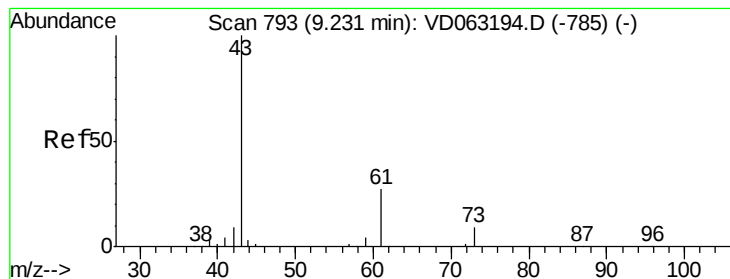
98 5.6 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



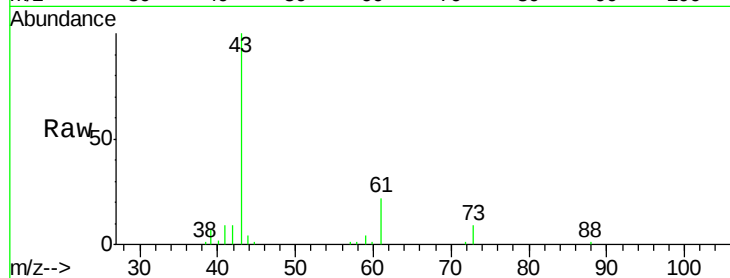


#43

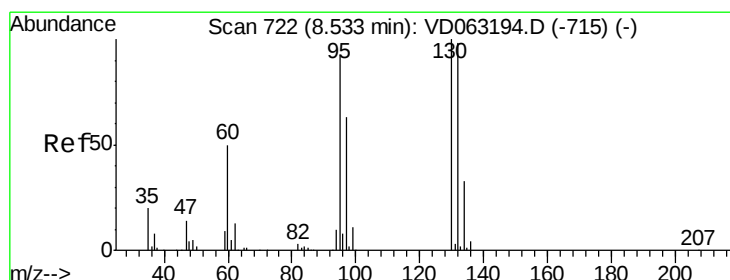
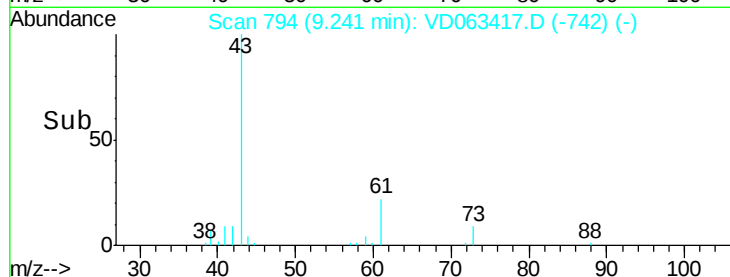
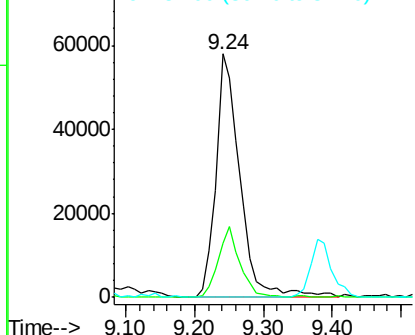
Isopropyl Acetate
 Concen: 20.470 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Tot Ion: 43 Resp: 139801
 Ion Ratio Lower Upper
 43 100
 61 22.2 21.4 32.0
 87 0.0 0.2 0.4#



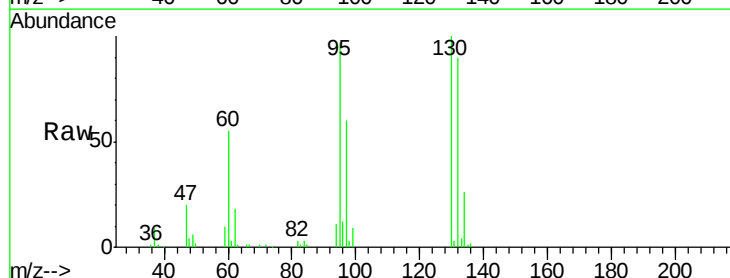
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



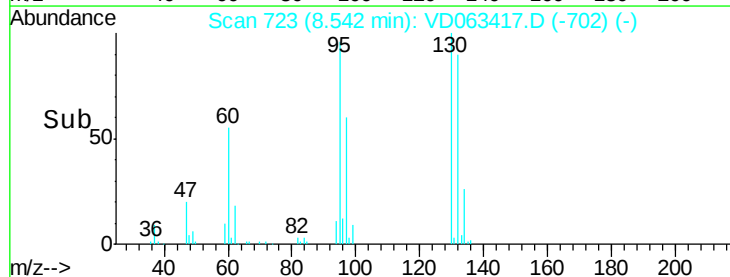
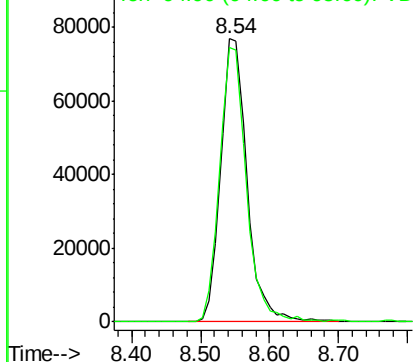
#44

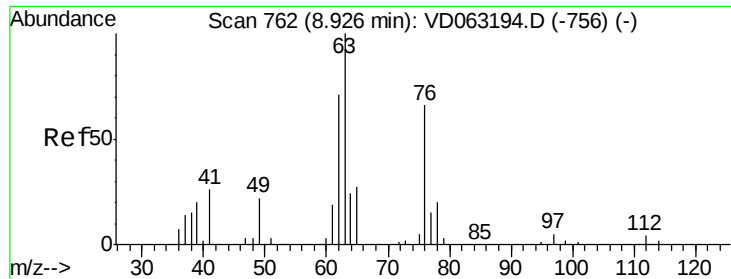
Trichloroethene
 Concen: 20.125 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion: 130 Resp: 203402
 Ion Ratio Lower Upper
 130 100
 95 96.9 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: 20.193 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

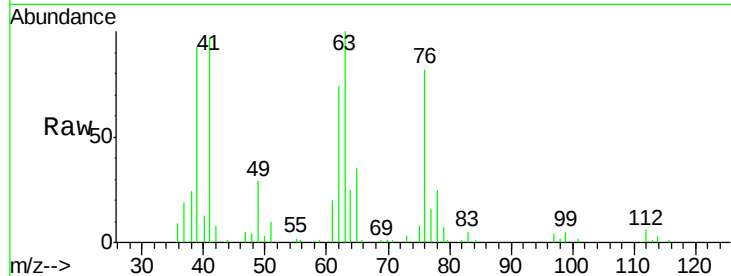
VD0807SBS01

Tot Ion: 63 Resp: 128015

Ion Ratio Lower Upper

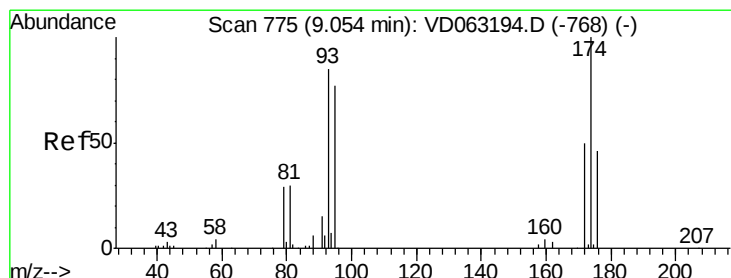
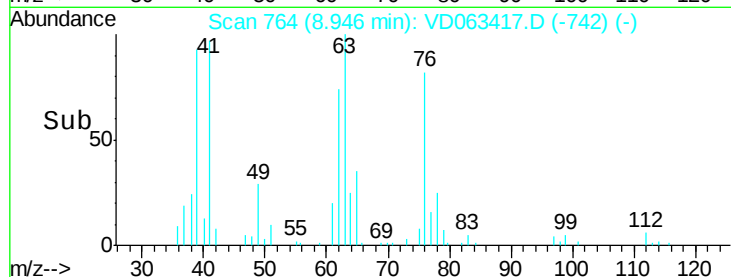
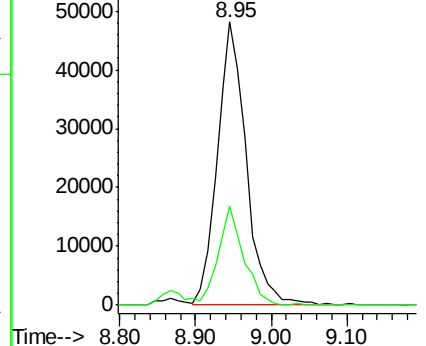
63 100

65 35.0 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.535 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

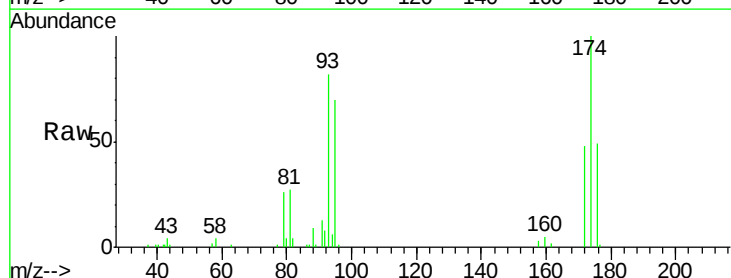
Tgt Ion: 93 Resp: 113520

Ion Ratio Lower Upper

93 100

95 84.7 72.8 109.2

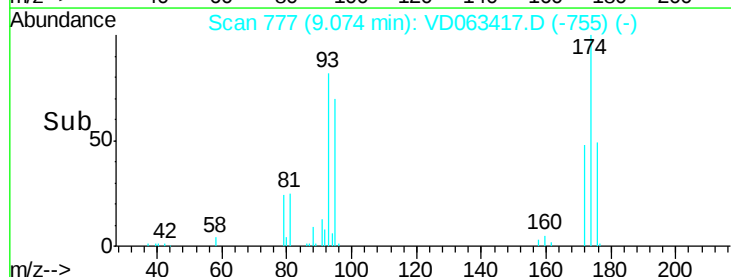
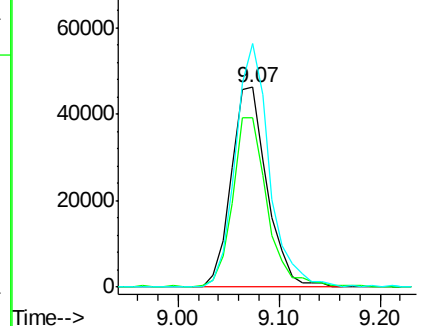
174 121.7 94.4 141.6

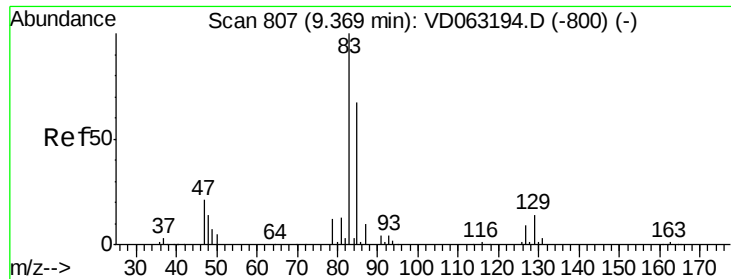


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.475 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

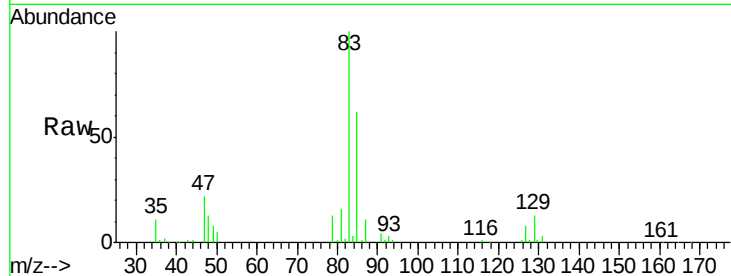
Tot Ion: 83 Resp: 288567

Ion Ratio Lower Upper

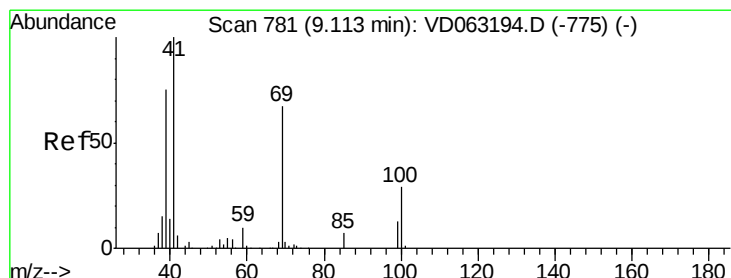
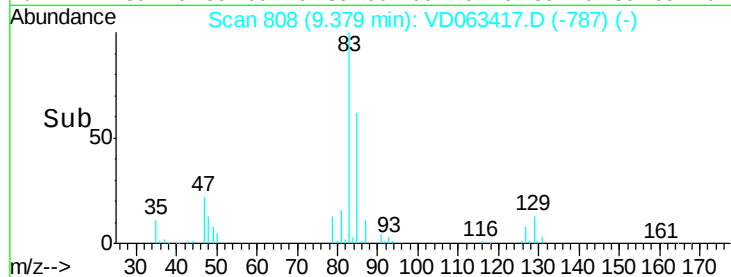
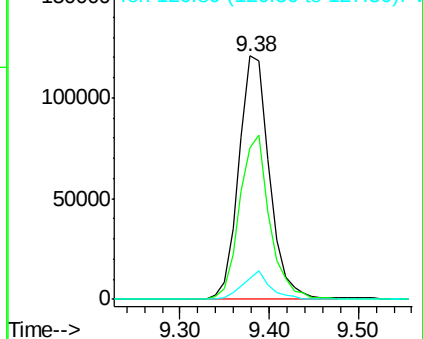
83 100

85 62.0 53.6 80.4

127 8.3 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: 22.759 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

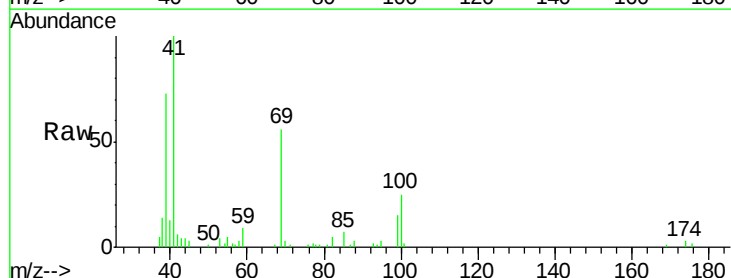
Tgt Ion: 41 Resp: 100811

Ion Ratio Lower Upper

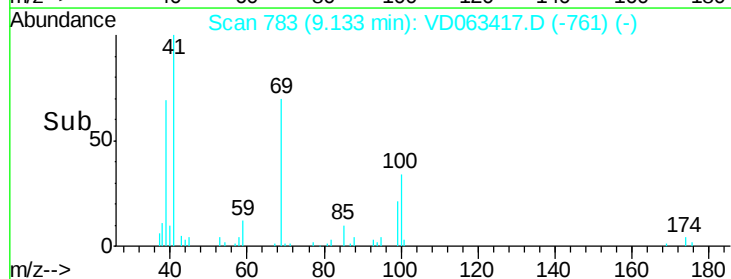
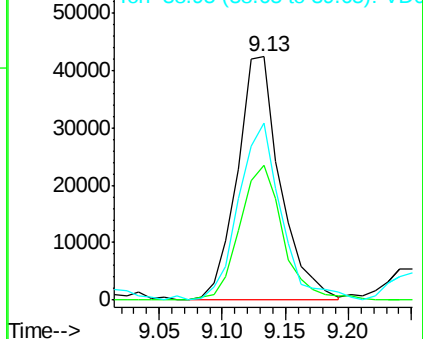
41 100

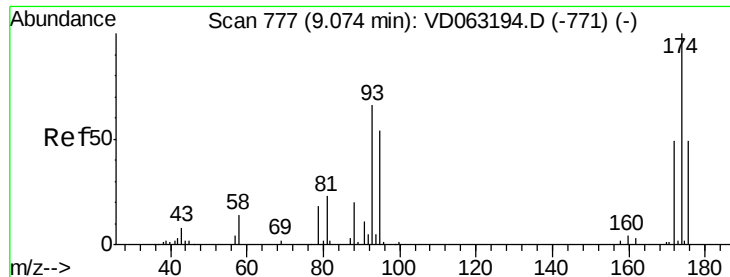
69 55.5 53.4 80.0

39 72.8 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

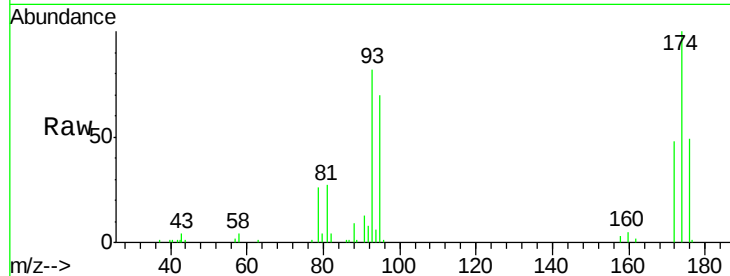




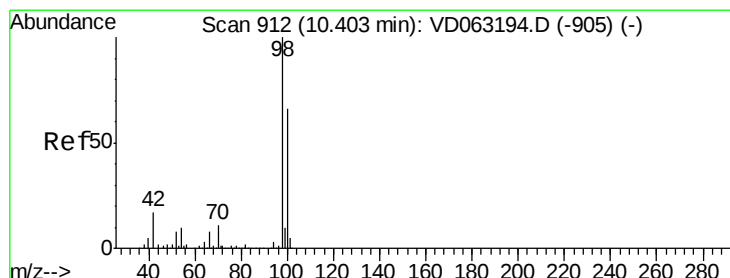
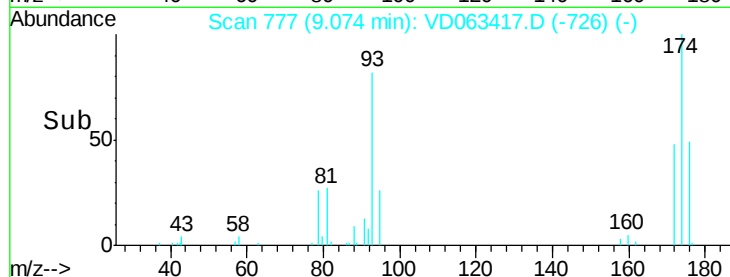
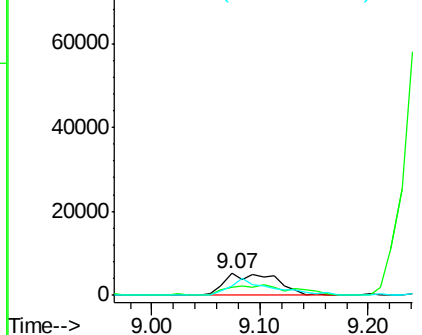
#49
1,4-Dioxane
Concen: 471.377 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion: 88 Resp: 17769
Ion Ratio Lower Upper
88 100
43 39.7 30.7 46.1
58 41.7 56.5 84.7#

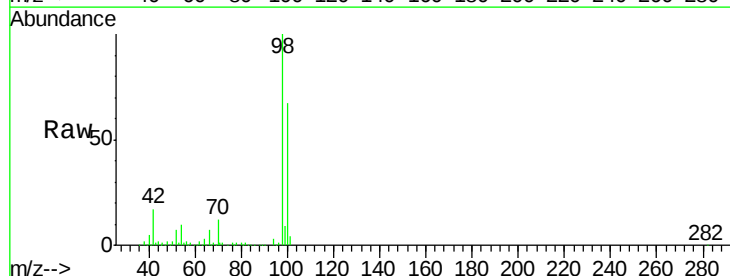


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

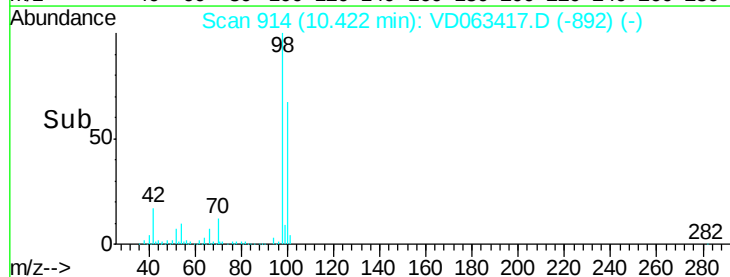
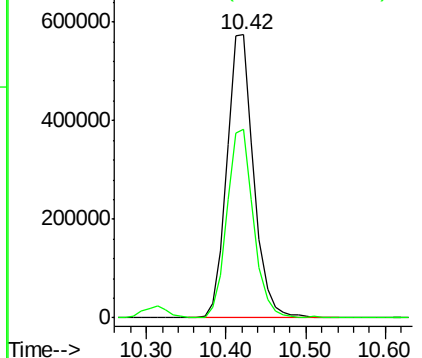


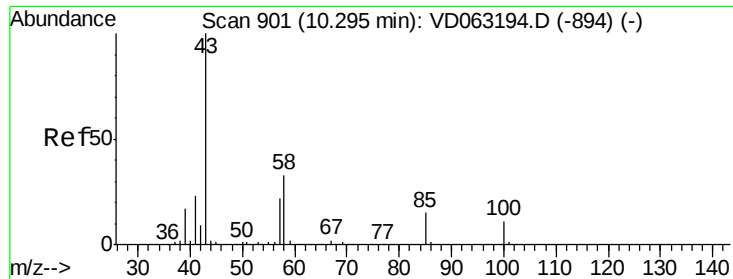
#50
Toluene-d8
Concen: 54.421 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 98 Resp: 1356005
Ion Ratio Lower Upper
98 100
100 66.9 53.2 79.8



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

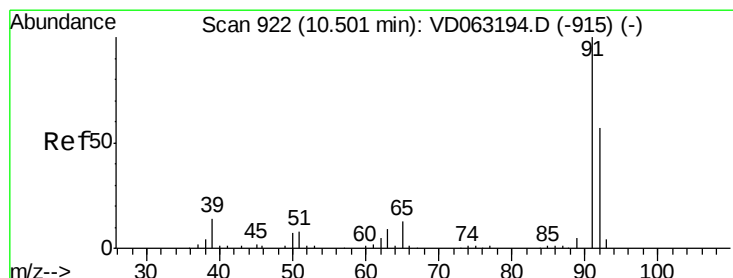
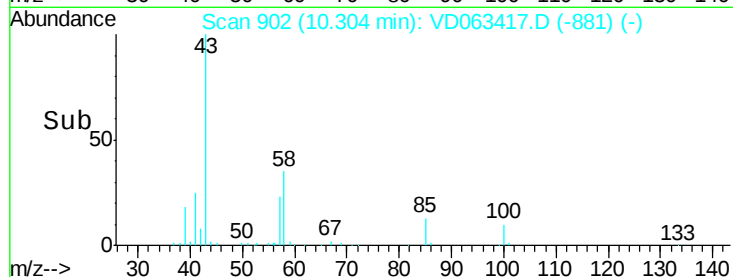
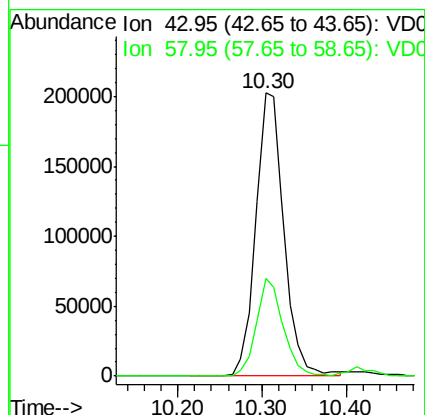
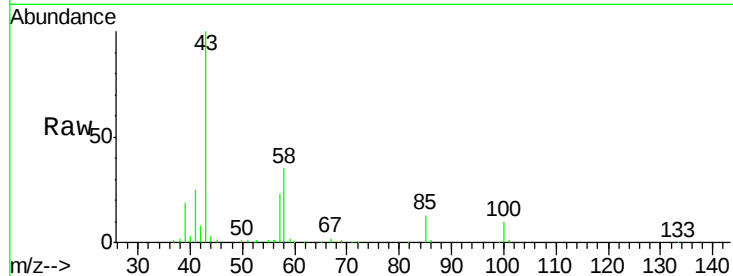




#51
4-Methyl-2-Pentanone
Concen: 102.569 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

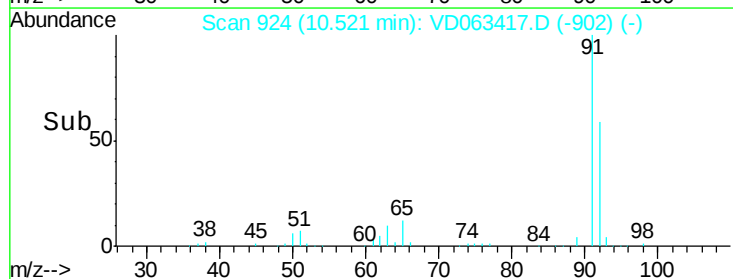
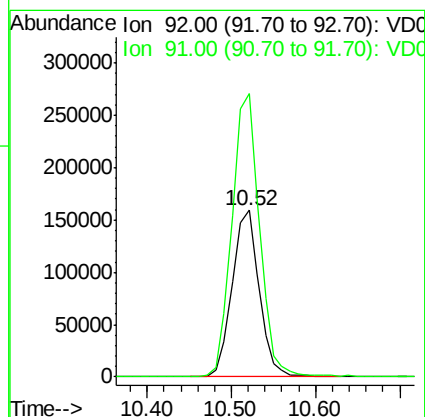
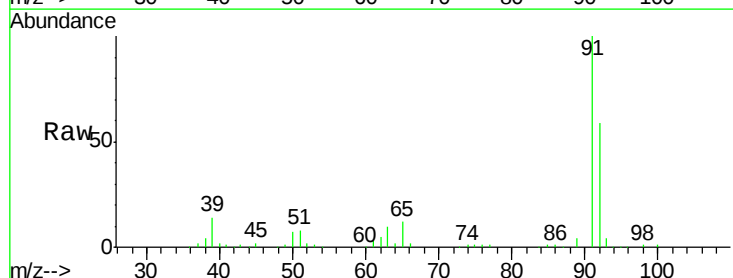
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

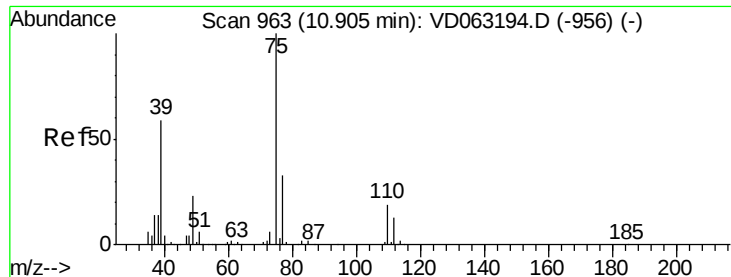
Tot Ion: 43 Resp: 476410
Ion Ratio Lower Upper
43 100
58 34.6 26.2 39.2



#52
Toluene
Concen: 21.520 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 92 Resp: 356990
Ion Ratio Lower Upper
92 100
91 169.7 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 22.288 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

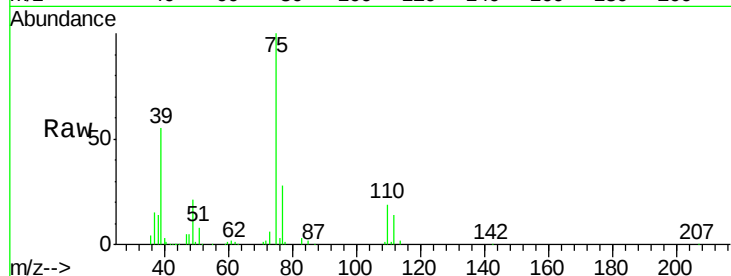
VD0807SBS01

Tot Ion: 75 Resp: 258193

Ion Ratio Lower Upper

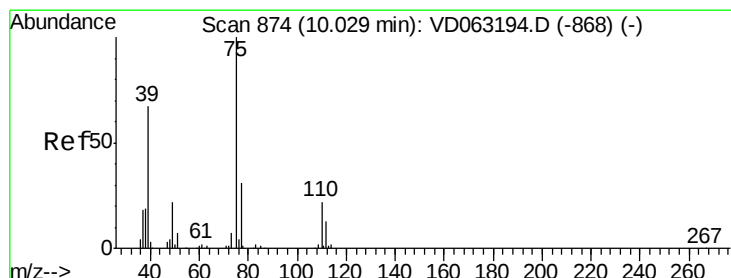
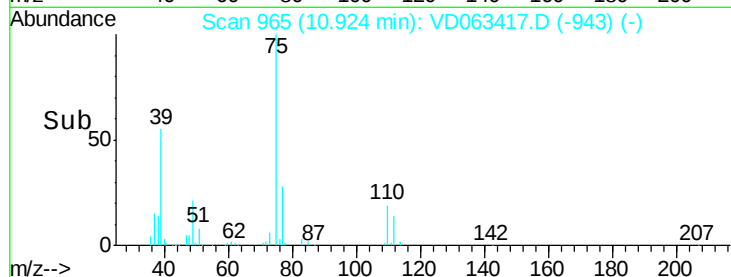
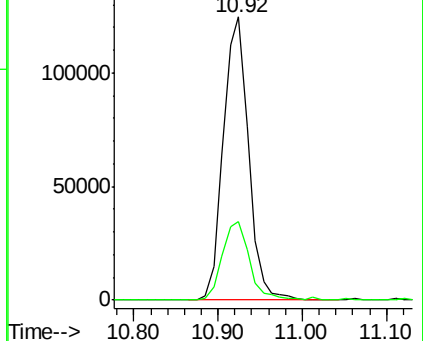
75 100

77 27.7 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.869 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

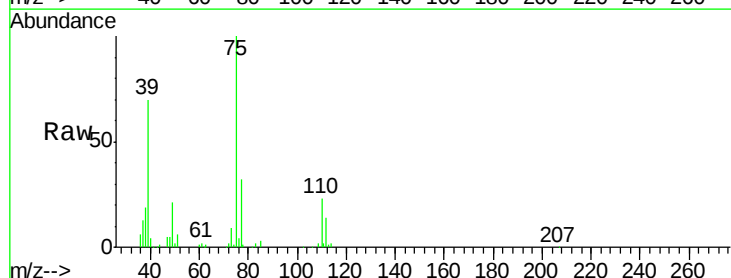
Tgt Ion: 75 Resp: 254082

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3

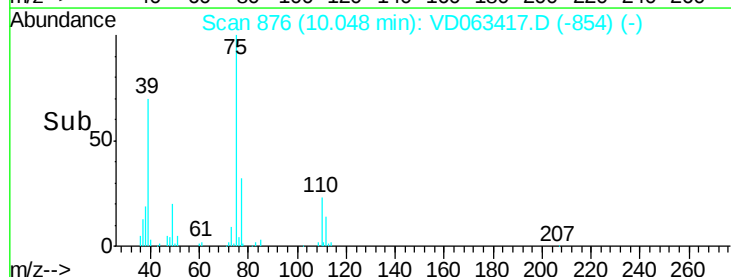
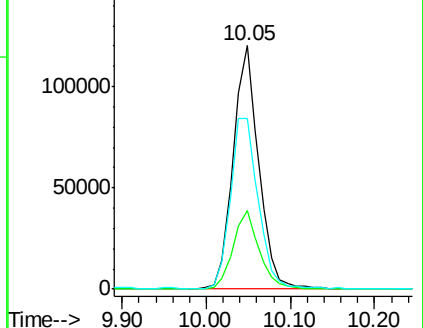
39 70.0 53.9 80.9

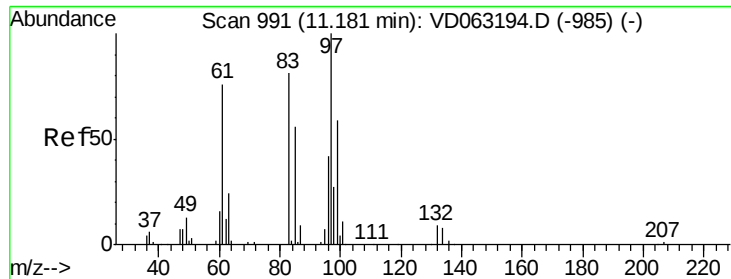


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

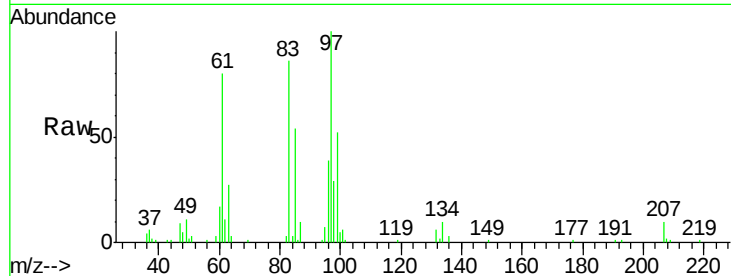




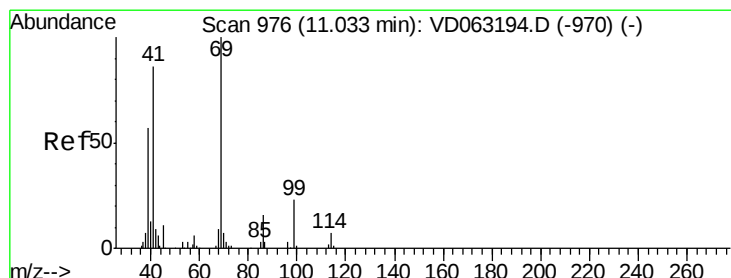
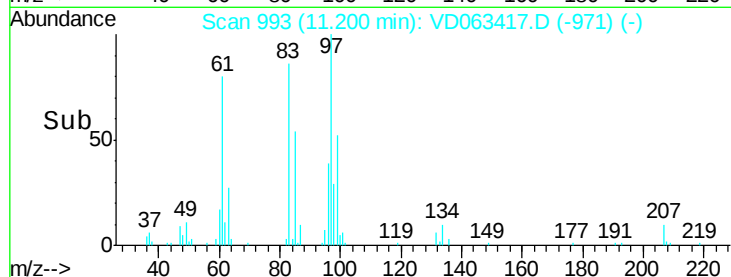
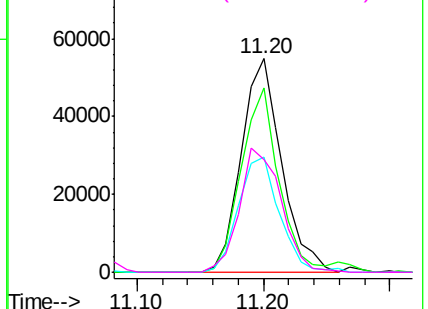
#55
 1,1,2-Trichloroethane
 Concen: 21.706 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Tot Ion:	97	Resp:	121609
Ion	Ratio	Lower	Upper
97	100		
83	86.1	64.8	97.2
85	54.0	44.9	67.3
99	52.5	47.2	70.8

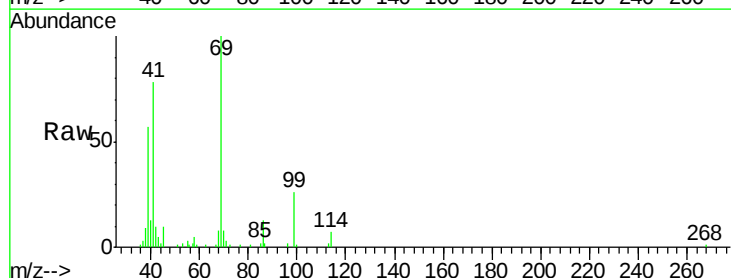


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

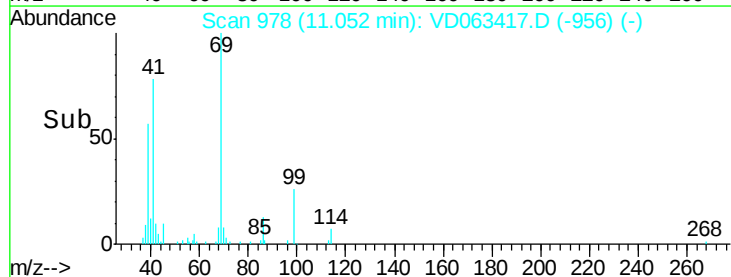
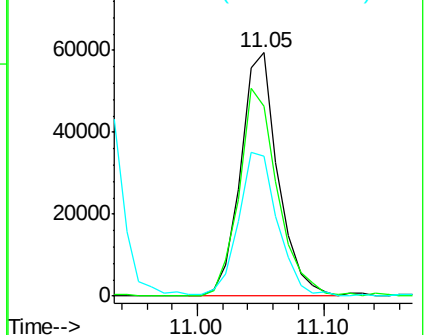


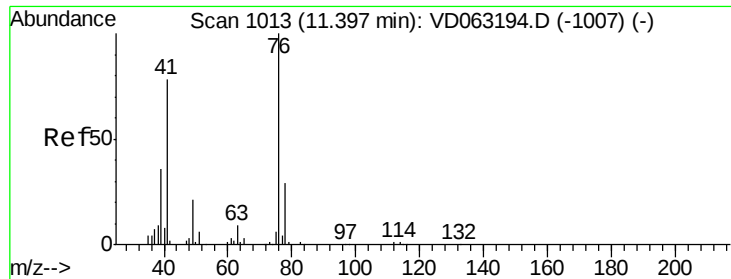
#56
 Ethyl methacrylate
 Concen: 19.930 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion:	69	Resp:	122274
Ion	Ratio	Lower	Upper
69	100		
41	78.0	68.8	103.2
39	57.2	45.8	68.8



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

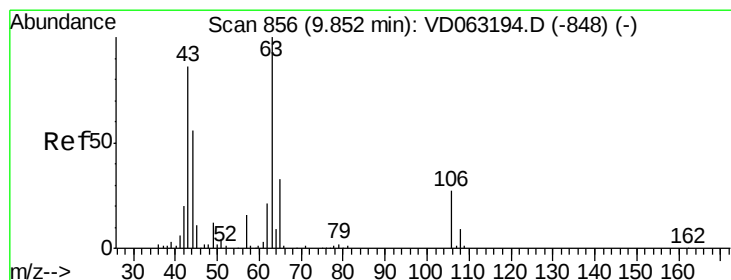
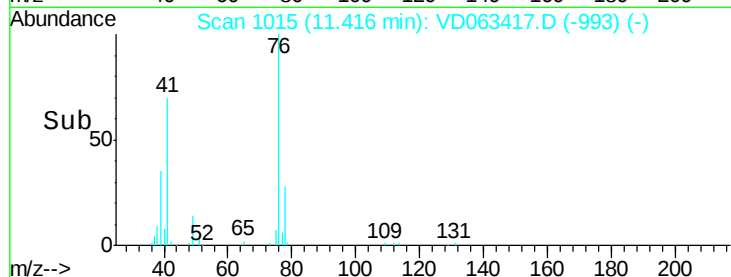
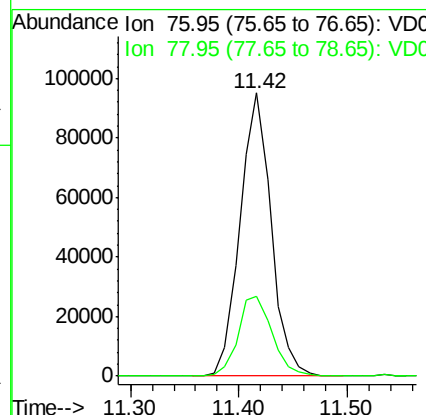
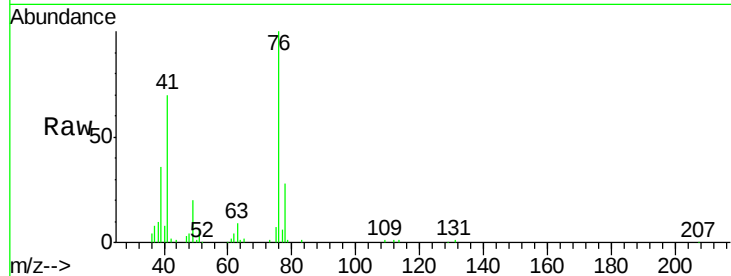




#57
 1,3-Dichloropropane
 Concen: 21.505 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

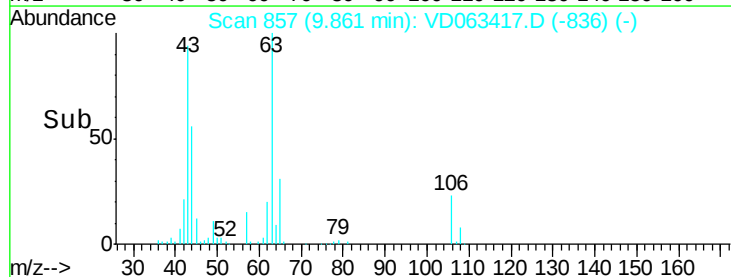
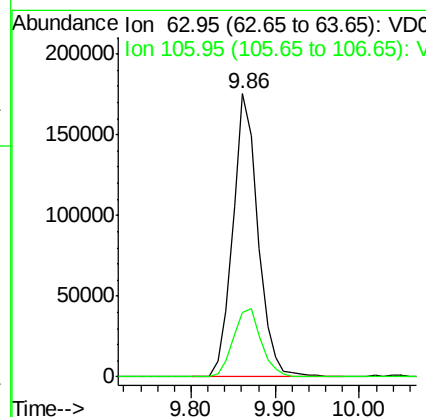
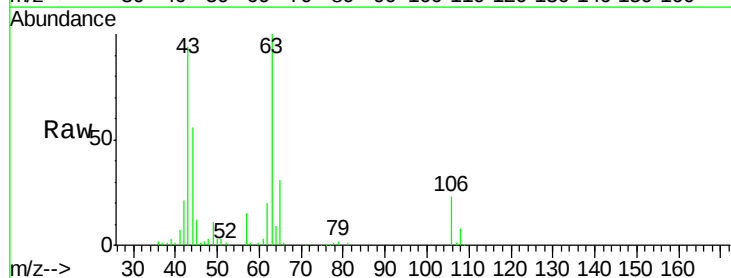
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

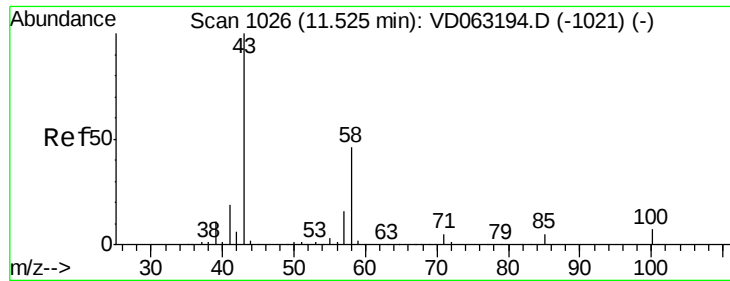
Tot Ion: 76 Resp: 189833
 Ion Ratio Lower Upper
 76 100
 78 28.2 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.806 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion: 63 Resp: 363306
 Ion Ratio Lower Upper
 63 100
 106 22.8 22.0 33.0

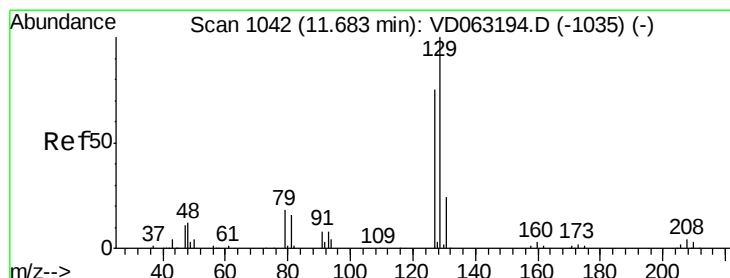
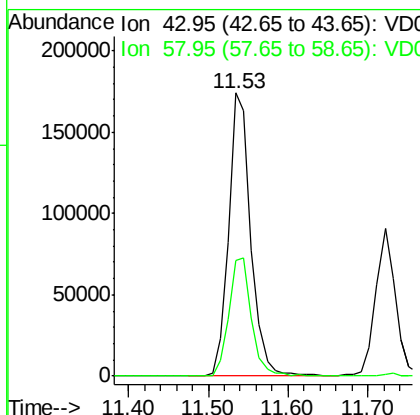
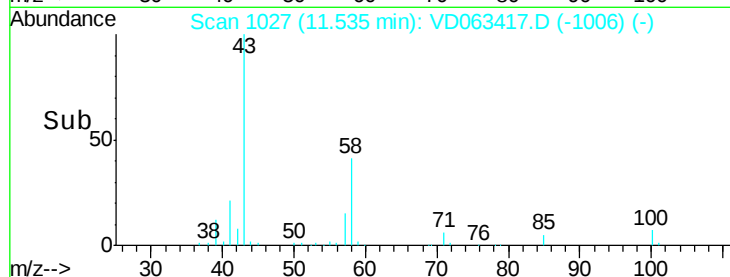
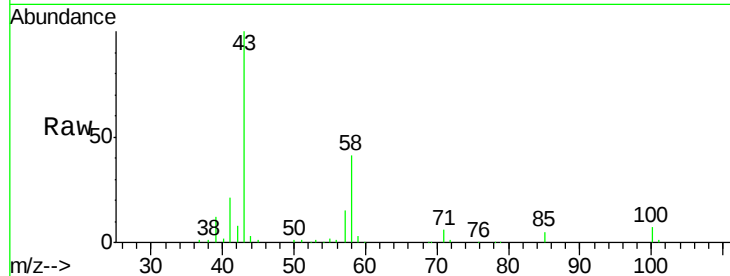




#59
 2-Hexanone
 Concen: 101.509 ug/l
 RT: 11.53 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

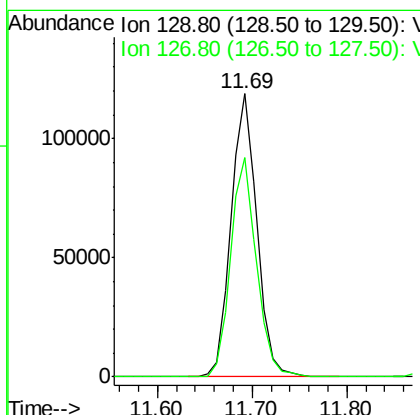
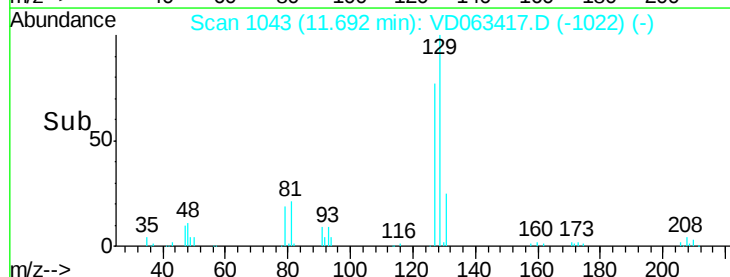
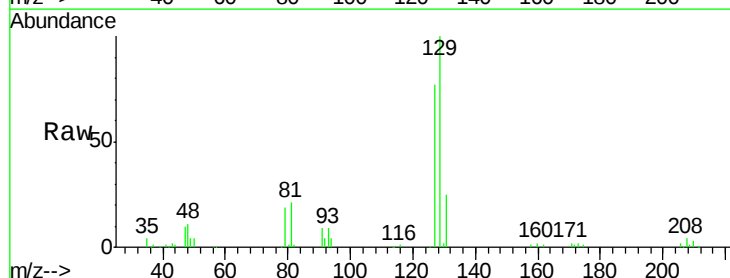
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

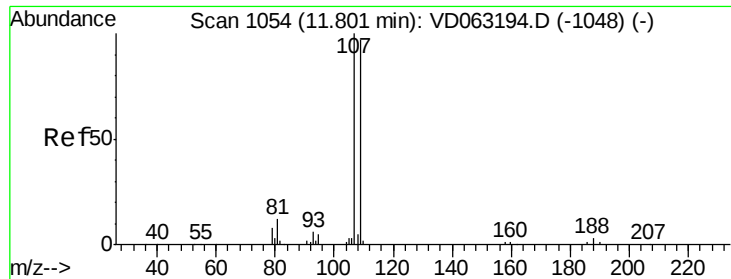
Tot Ion: 43 Resp: 339773
 Ion Ratio Lower Upper
 43 100
 58 40.9 22.9 68.5



#60
 Dibromochloromethane
 Concen: 21.192 ug/l
 RT: 11.69 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion: 129 Resp: 224146
 Ion Ratio Lower Upper
 129 100
 127 77.5 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.605 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

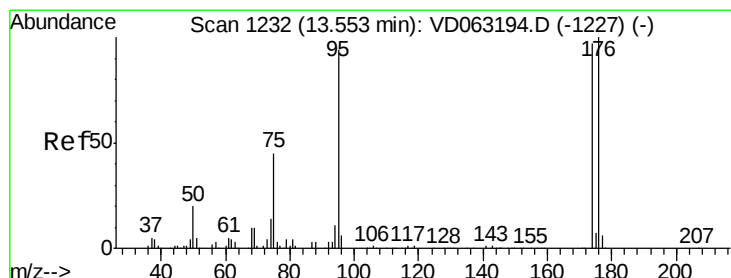
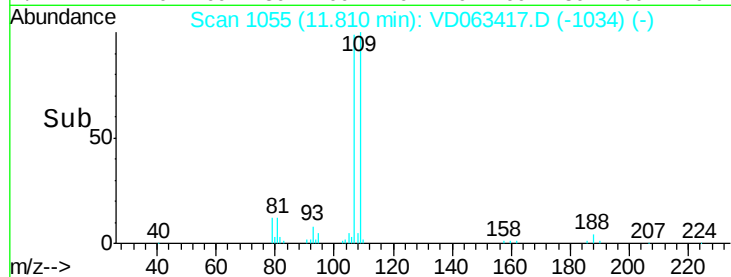
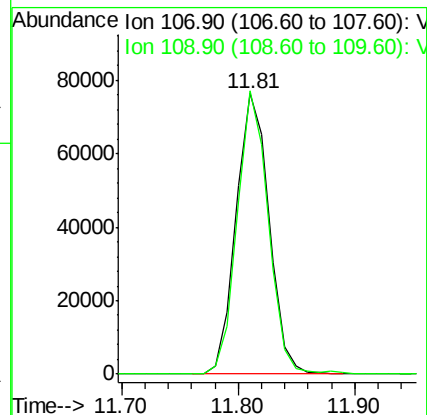
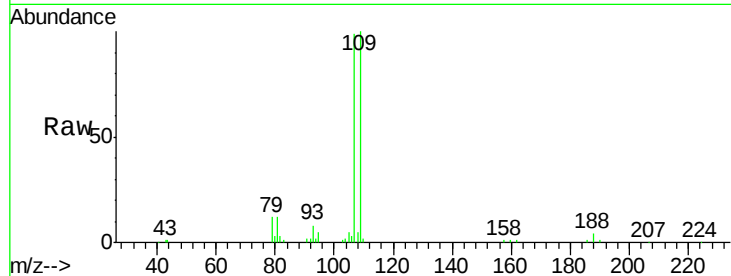
VD0807SBS01

Tot Ion:107 Resp: 149364

Ion Ratio Lower Upper

107 100

109 100.9 77.5 116.3



#62

4-Bromofluorobenzene

Concen: 51.105 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

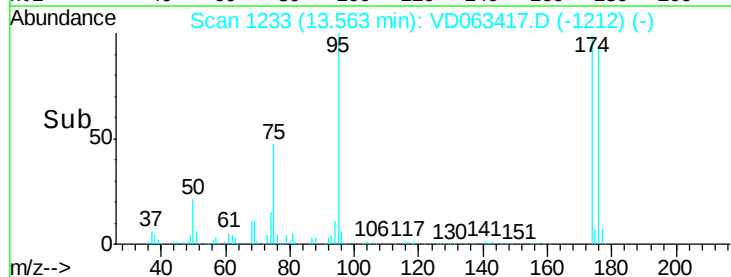
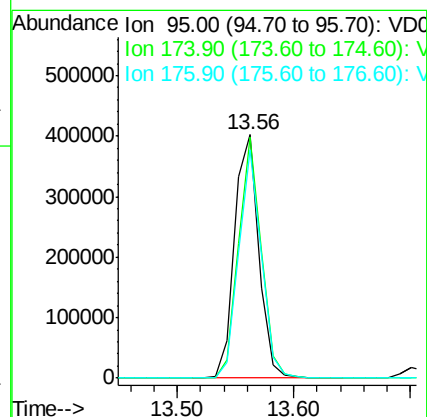
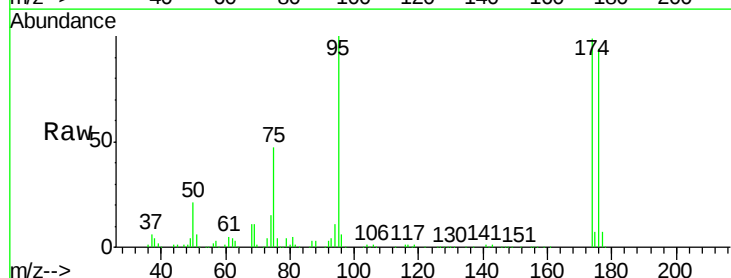
Tgt Ion: 95 Resp: 580276

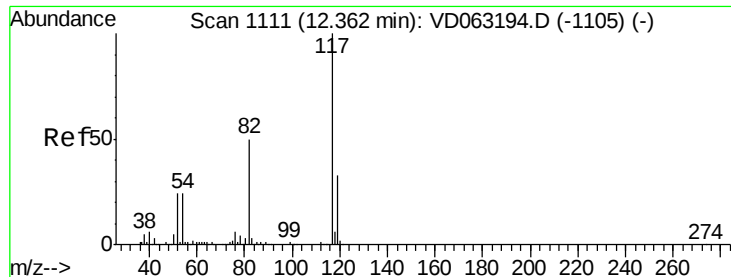
Ion Ratio Lower Upper

95 100

174 98.9 0.0 205.4

176 94.0 0.0 211.8

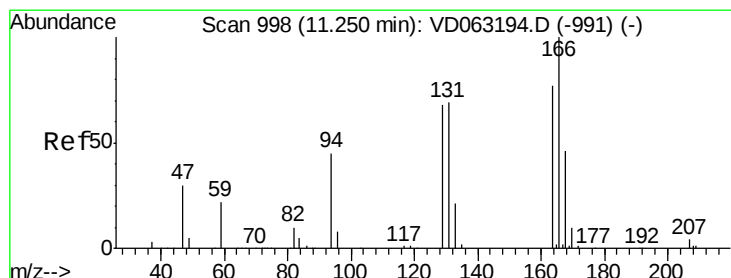
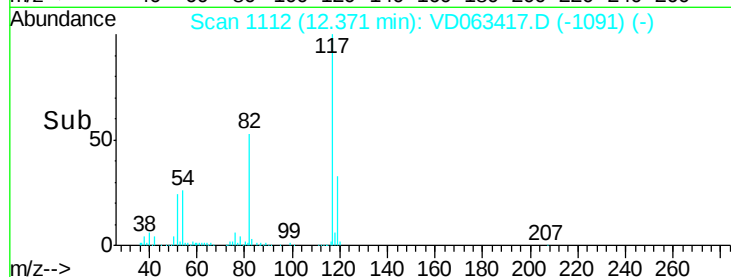
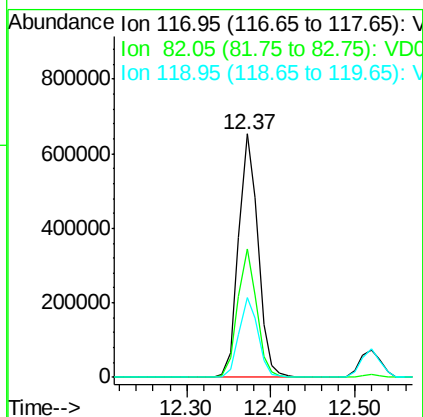
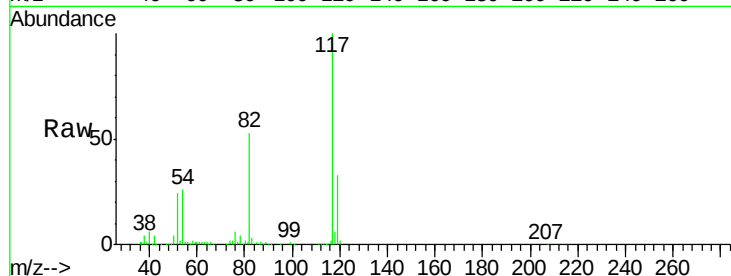




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

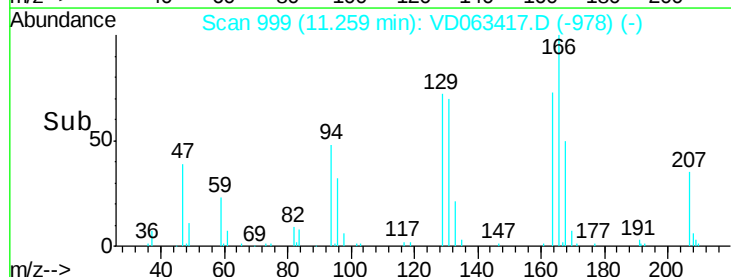
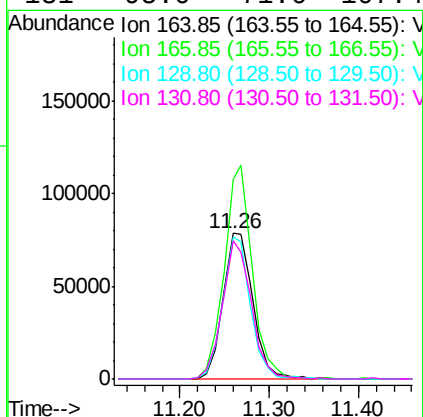
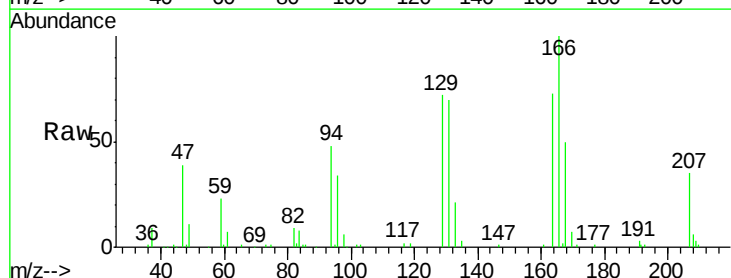
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

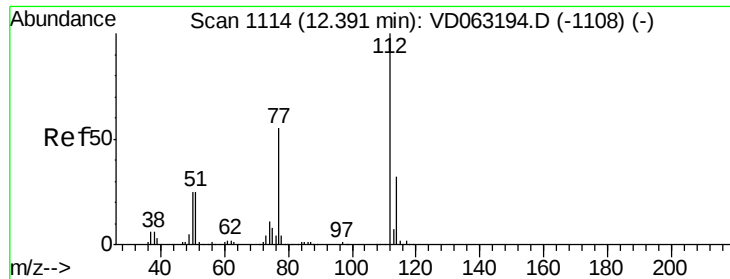
Tot Ion:117 Resp: 1054937
Ion Ratio Lower Upper
117 100
82 52.7 40.1 60.1
119 32.5 26.5 39.7



#64
Tetrachloroethene
Concen: 21.969 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion:164 Resp: 184633
Ion Ratio Lower Upper
164 100
166 136.6 104.3 156.5
129 97.8 70.9 106.3
131 95.0 71.6 107.4





#65

Chlorobenzene

Concen: 21.859 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

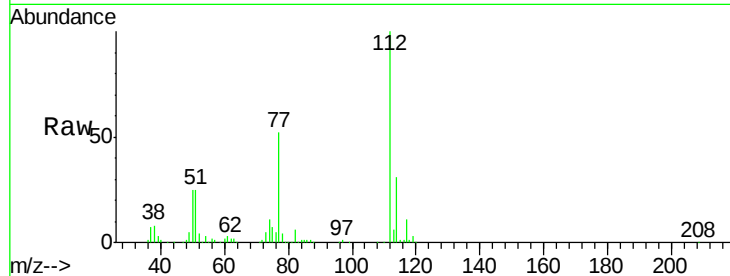
VD0807SBS01

Tot Ion:112 Resp: 443537

Ion Ratio Lower Upper

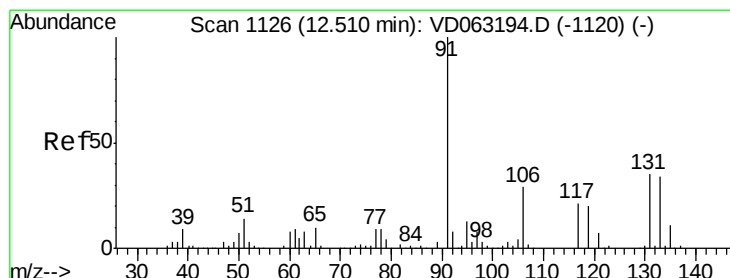
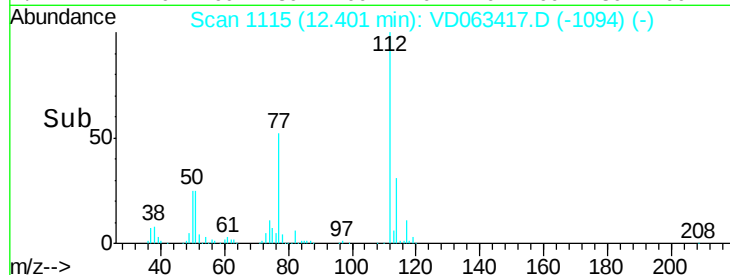
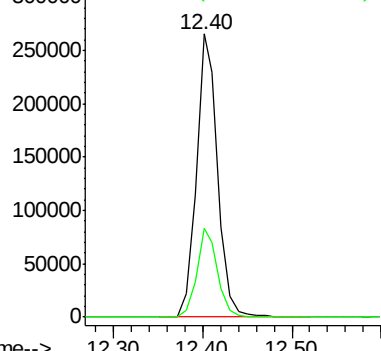
112 100

114 31.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.779 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

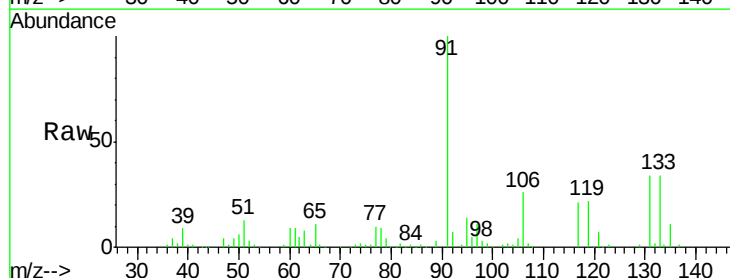
Tgt Ion:131 Resp: 194659

Ion Ratio Lower Upper

131 100

133 101.3 48.4 145.2

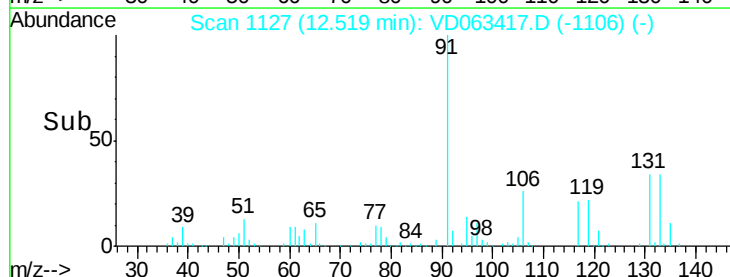
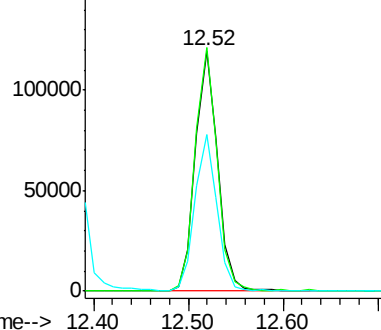
119 65.1 29.1 87.3

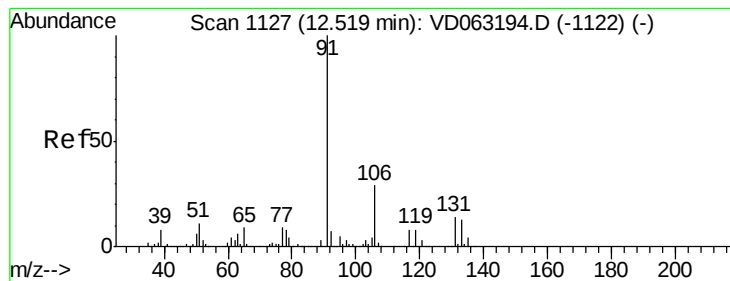


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 23.455 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

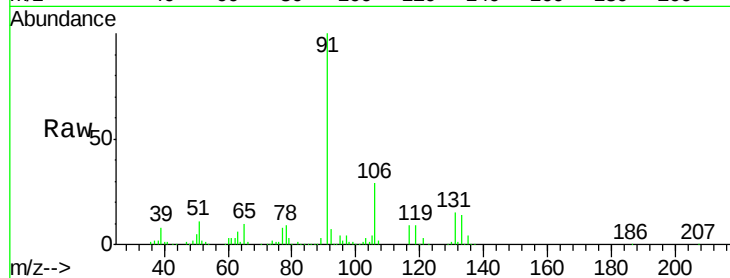
VD0807SBS01

Tot Ion: 91 Resp: 808507

Ion Ratio Lower Upper

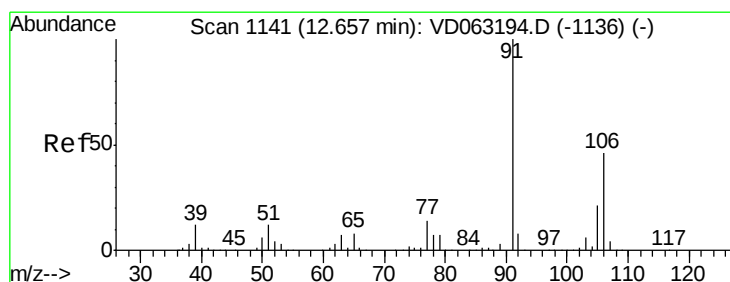
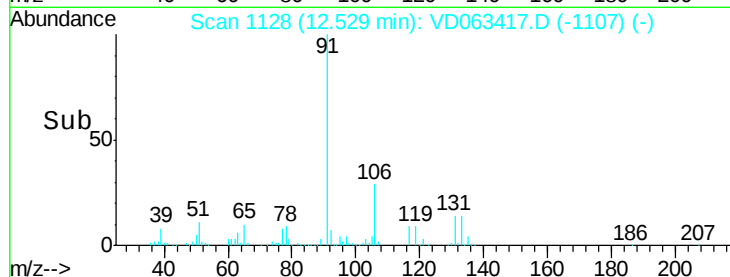
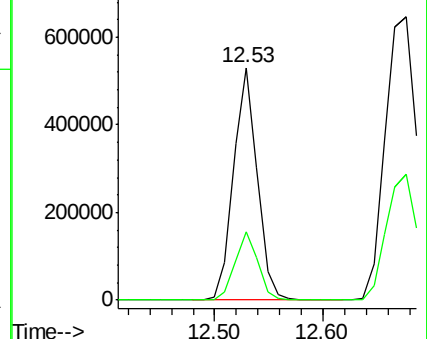
91 100

106 29.5 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 44.536 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.02 min

Lab File: VD063417.D

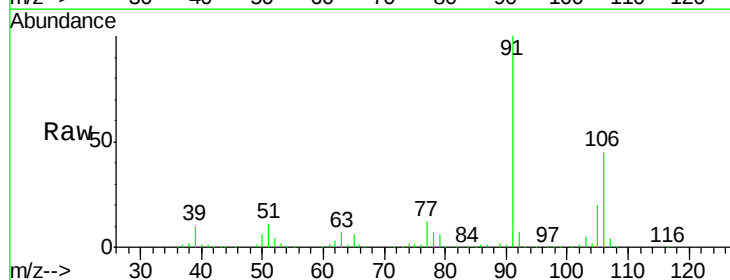
Acq: 7 Aug 2019 11:53

Tgt Ion: 106 Resp: 562993

Ion Ratio Lower Upper

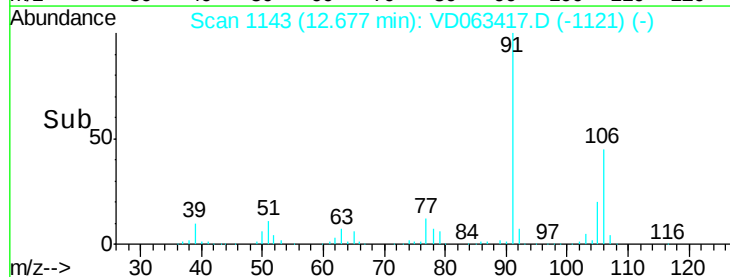
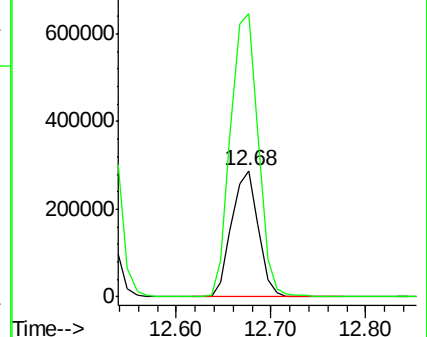
106 100

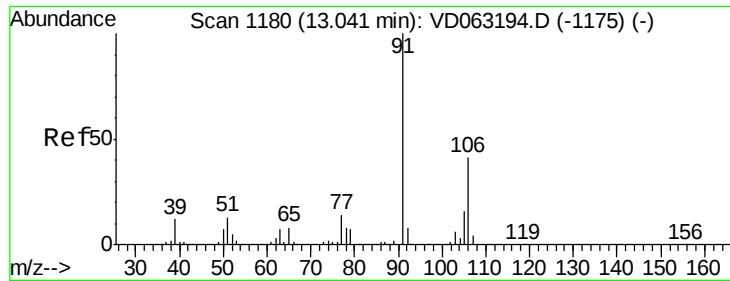
91 223.7 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

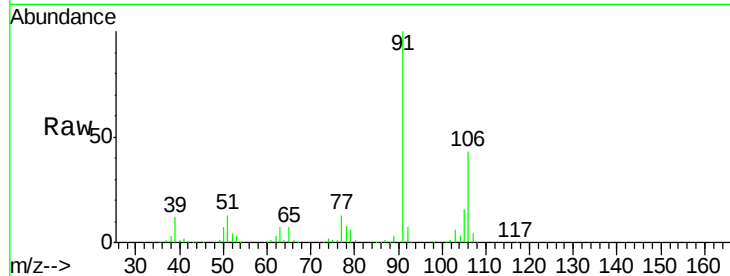




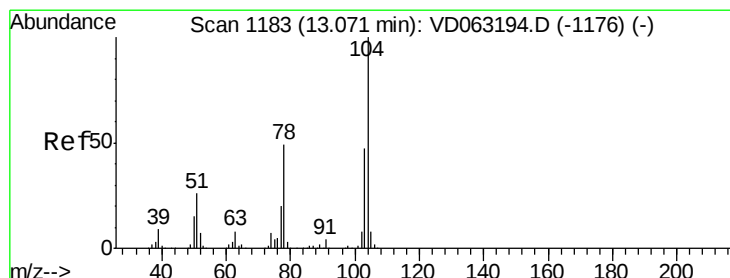
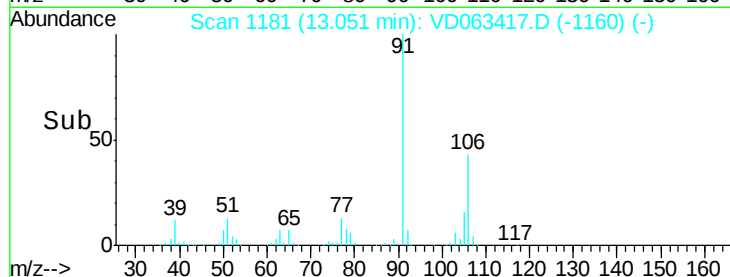
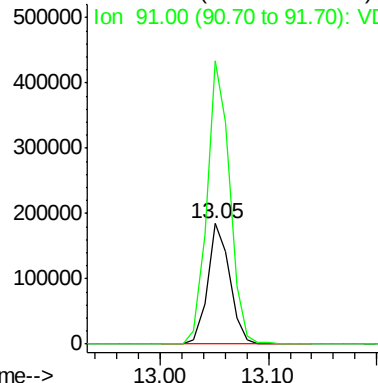
#69
o-Xylene
Concen: 22.810 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion:106 Resp: 264796
Ion Ratio Lower Upper
106 100
91 234.9 121.3 363.9

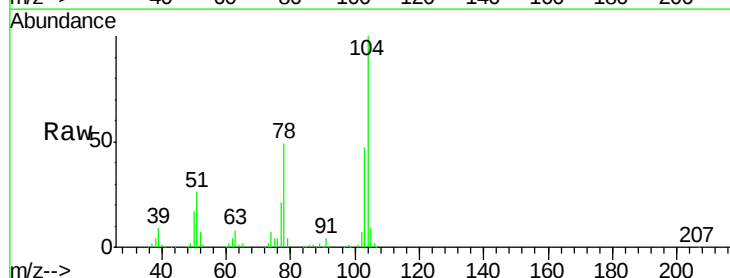


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

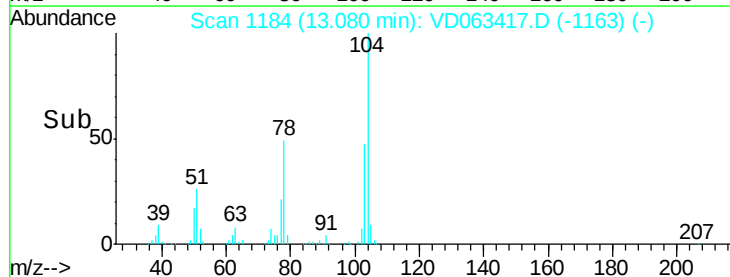
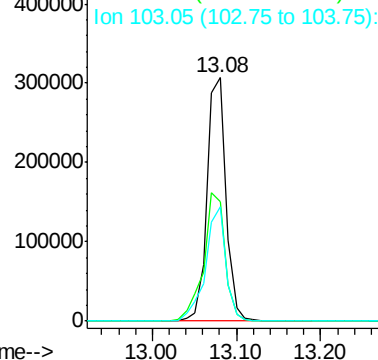


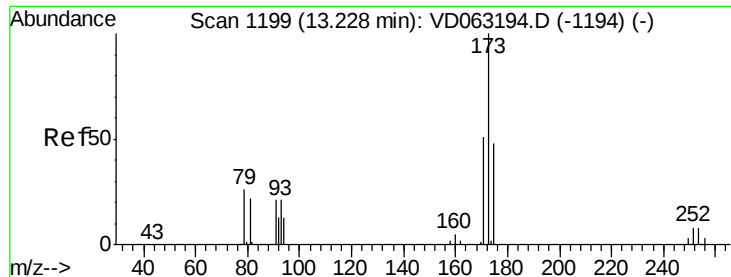
#70
Styrene
Concen: 23.263 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion:104 Resp: 478924
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.0
103 47.2 37.4 56.2



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





#71

Bromoform

Concen: 21.044 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

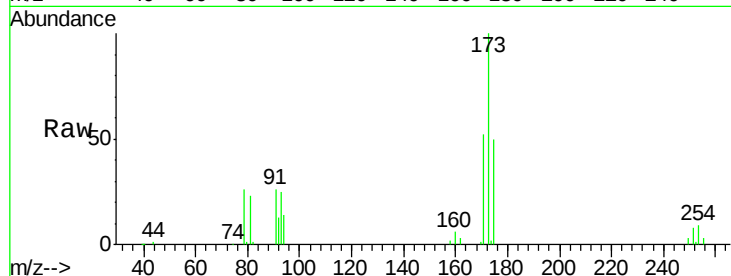
Tot Ion:173 Resp: 136786

Ion Ratio Lower Upper

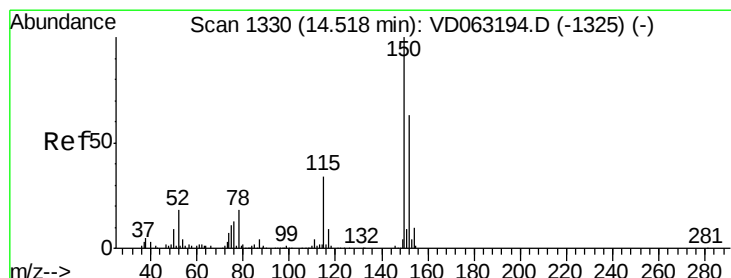
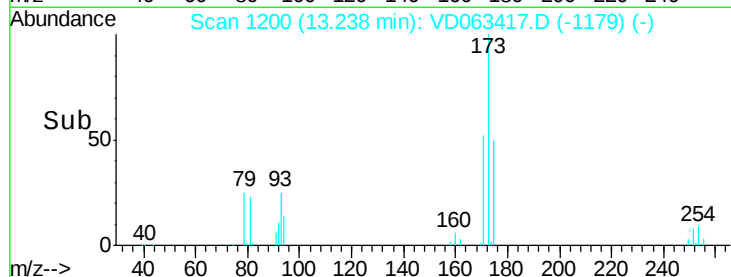
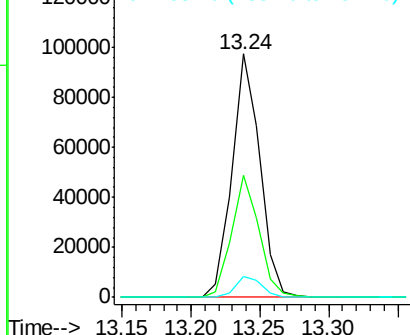
173 100

175 50.0 23.8 71.5

254 8.7 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: VD063417.D

Acq: 7 Aug 2019 11:53

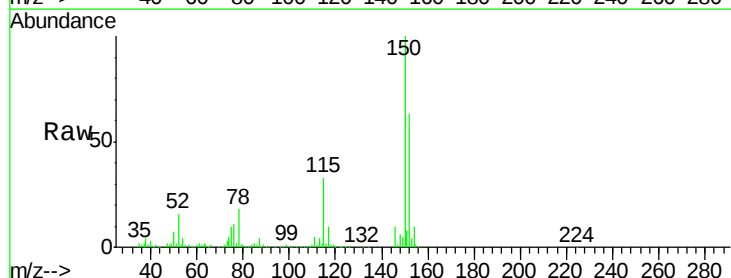
Tgt Ion:152 Resp: 570940

Ion Ratio Lower Upper

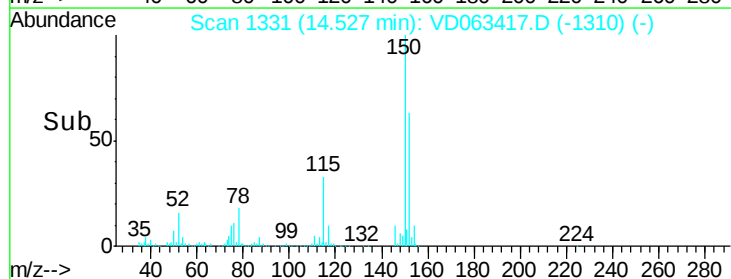
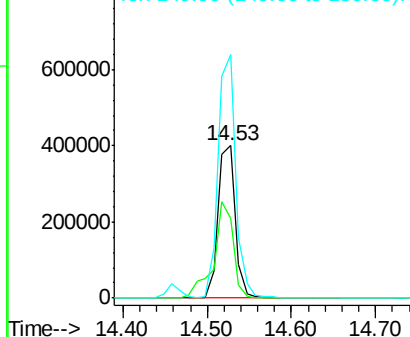
152 100

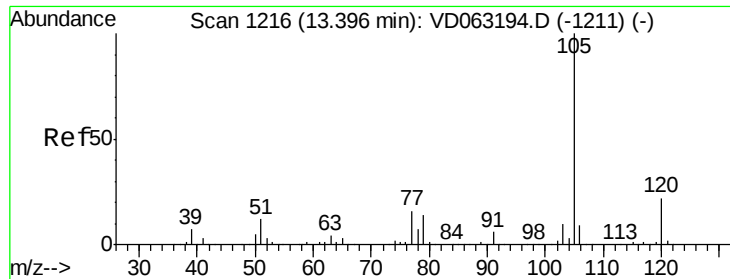
115 52.1 27.5 82.4

150 159.6 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: 23.477 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

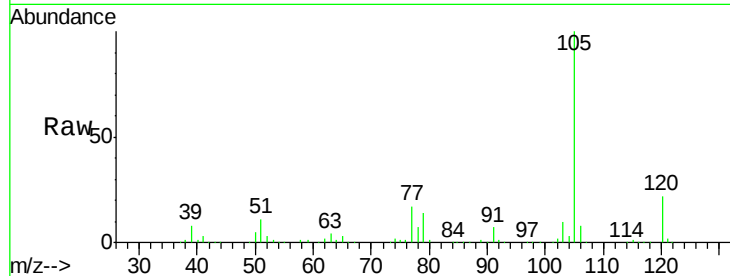
VD0807SBS01

Tot Ion:105 Resp: 841255

Ion Ratio Lower Upper

105 100

120 21.8 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

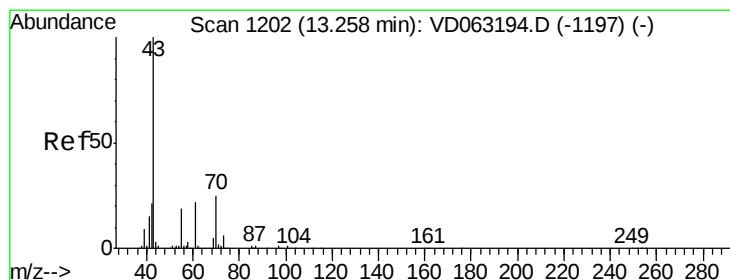
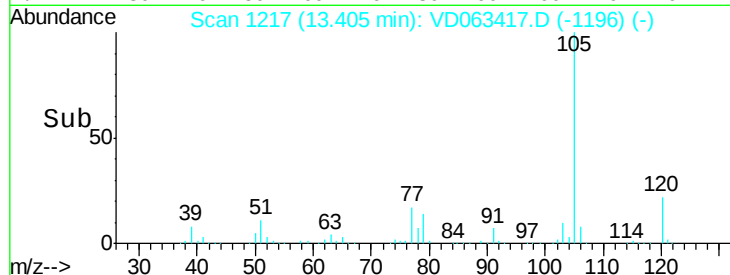
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.991 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Tgt Ion: 43 Resp: 198846

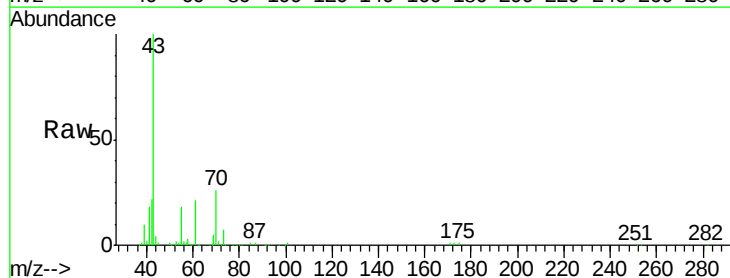
Ion Ratio Lower Upper

43 100

70 25.7 20.2 30.4

55 18.2 14.9 22.3

61 20.5 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

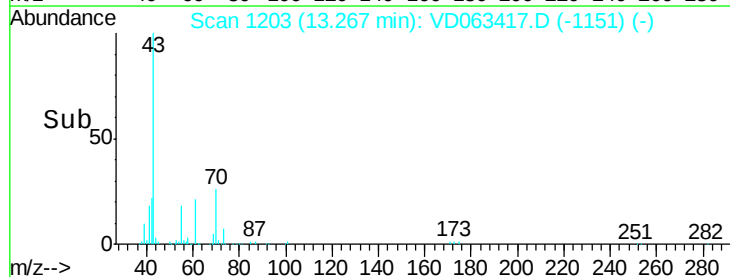
150000

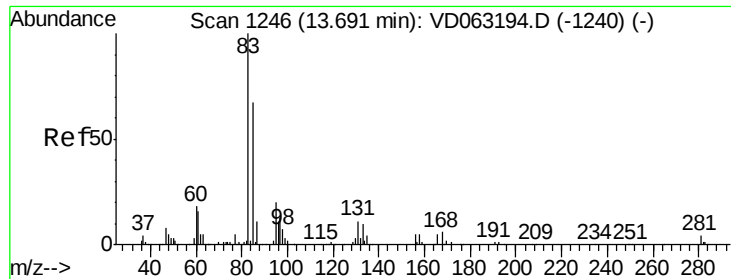
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 21.077 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

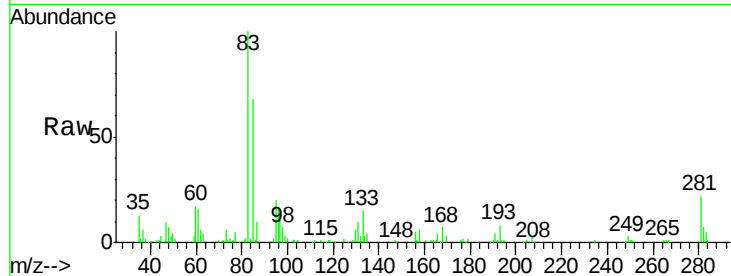
Tot Ion: 83 Resp: 128291

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.7

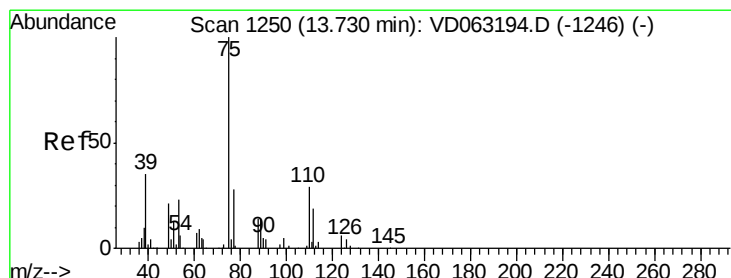
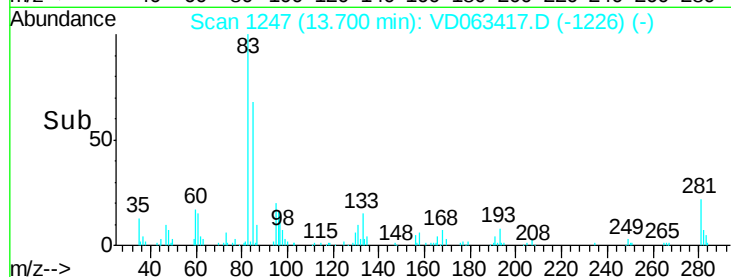
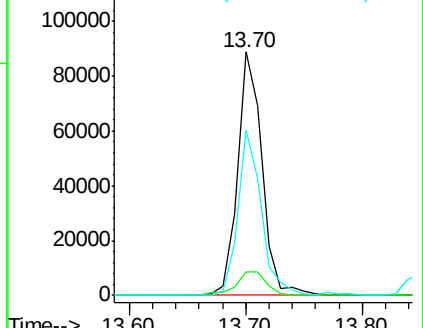
85 68.0 33.7 101.1



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: 20.669 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063417.D

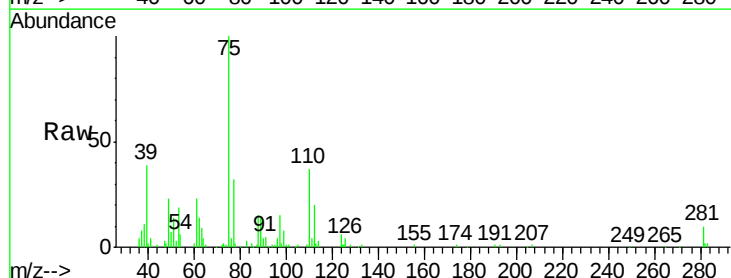
Acq: 7 Aug 2019 11:53

Tgt Ion: 75 Resp: 141744

Ion Ratio Lower Upper

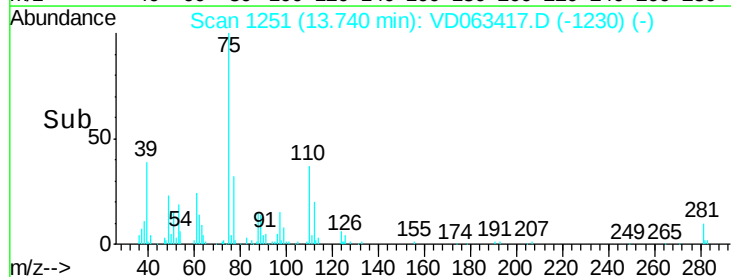
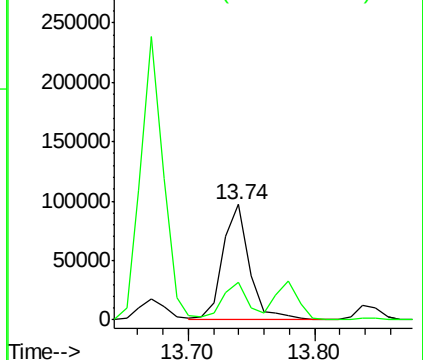
75 100

77 32.2 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: 23.634 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

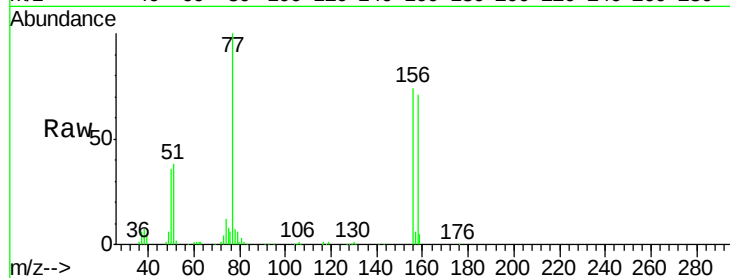
Tot Ion:156 Resp: 241258

Ion Ratio Lower Upper

156 100

77 135.3 67.6 202.8

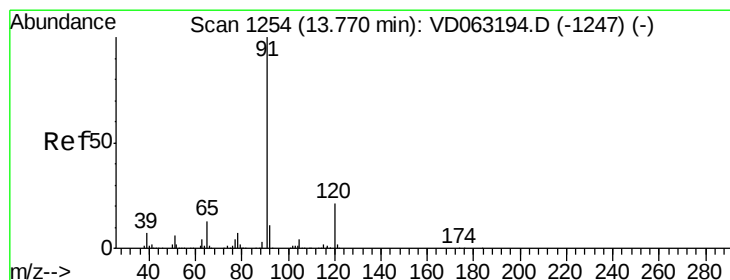
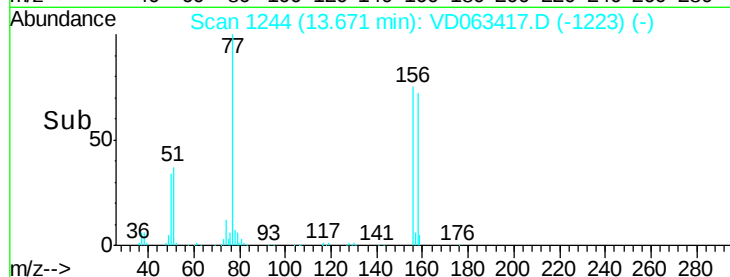
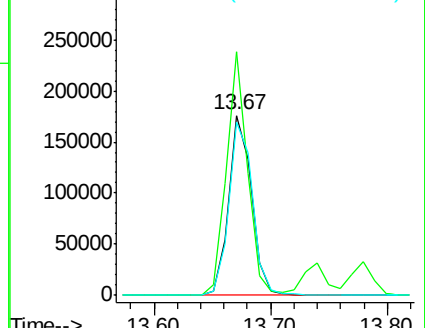
158 96.4 49.8 149.4



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: 23.704 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063417.D

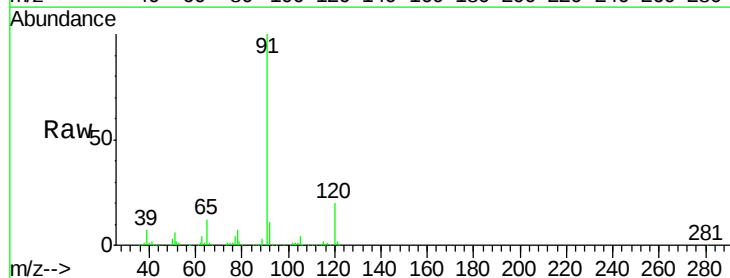
Acq: 7 Aug 2019 11:53

Tgt Ion: 91 Resp: 1010814

Ion Ratio Lower Upper

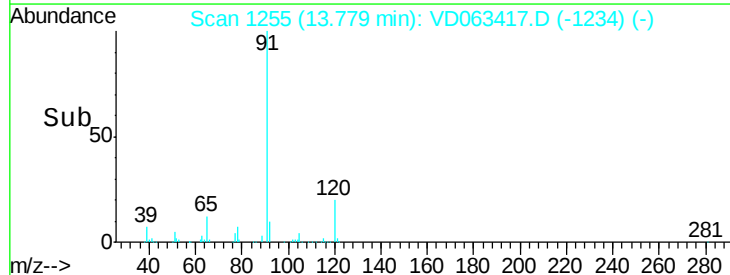
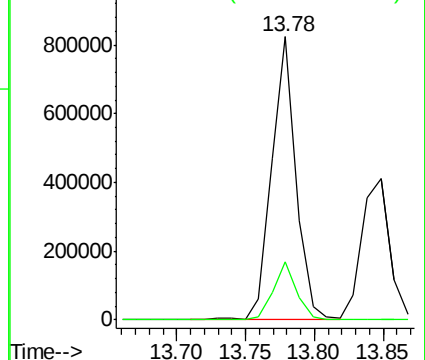
91 100

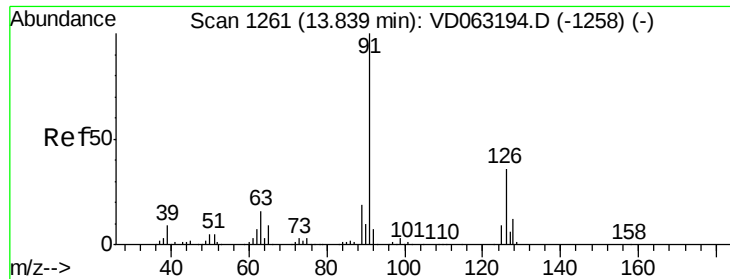
120 20.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

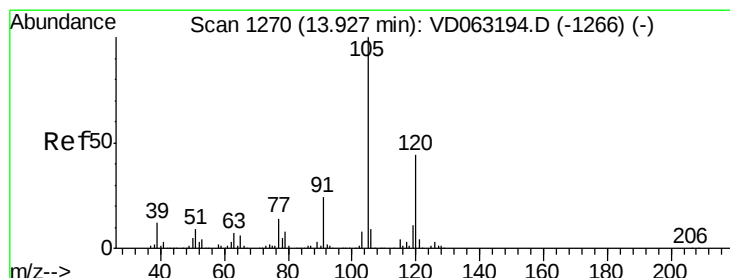
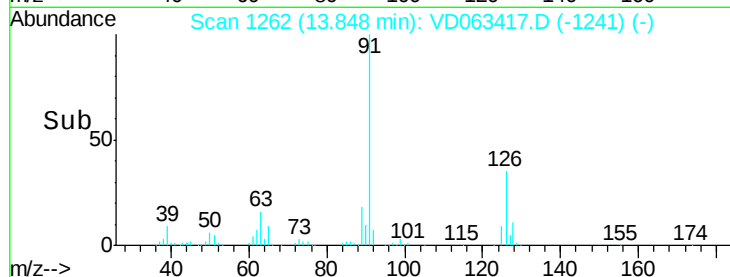
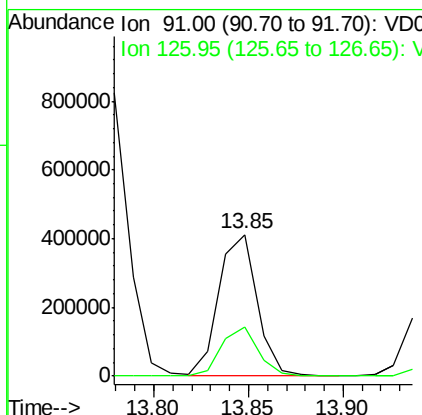
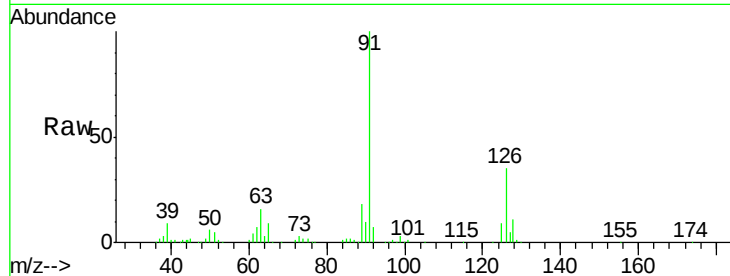




#79
 2-Chlorotoluene
 Concen: 23.368 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

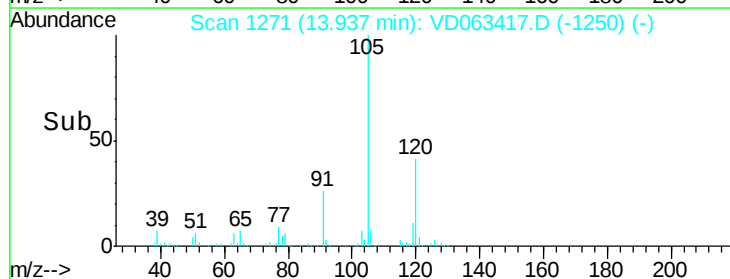
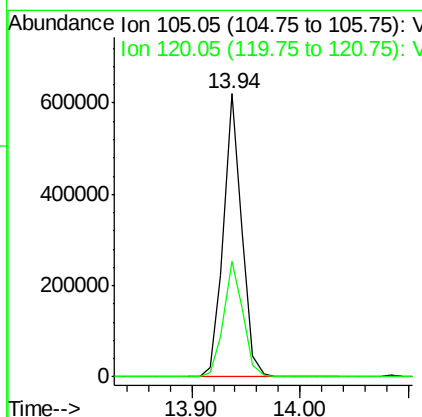
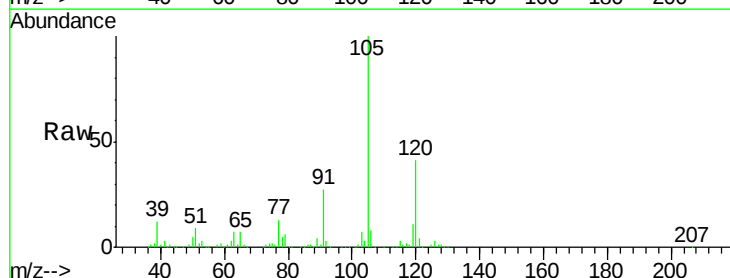
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

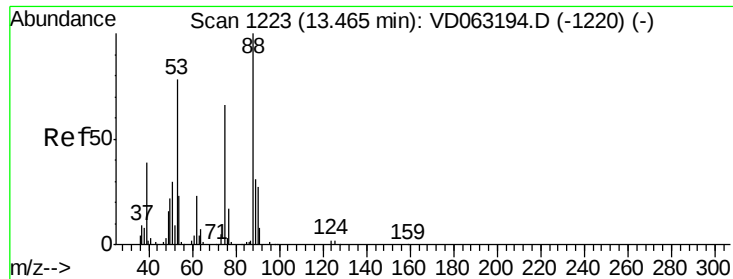
Tot Ion: 91 Resp: 577391
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.681 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion: 105 Resp: 731909
 Ion Ratio Lower Upper
 105 100
 120 40.9 22.1 66.1

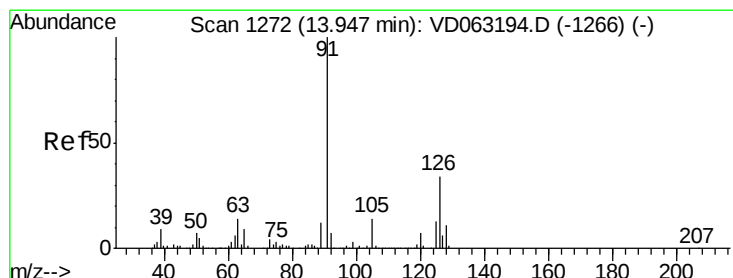
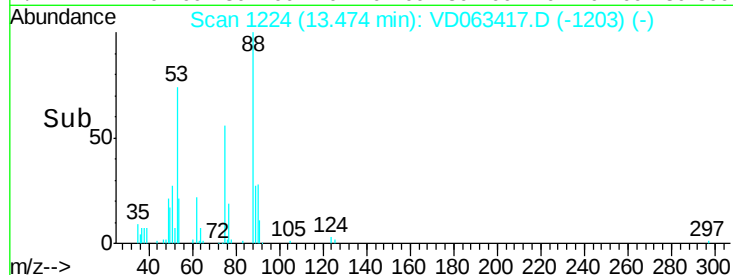
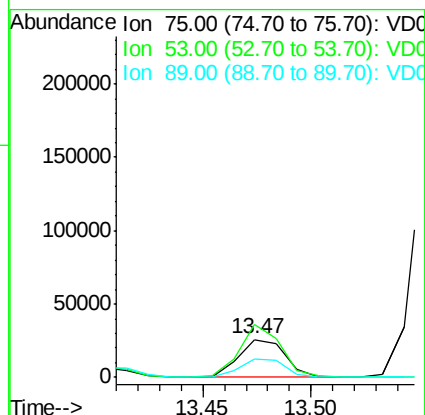
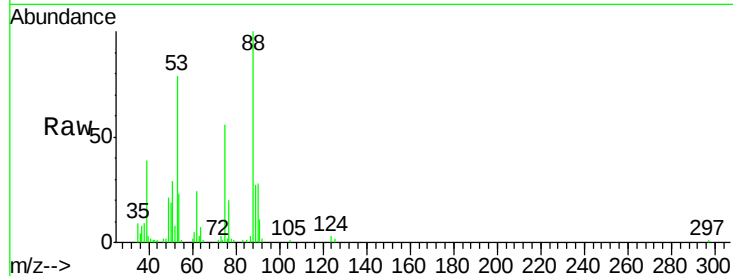




#81
trans-1,4-Dichloro-2-butene
Concen: 20.236 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

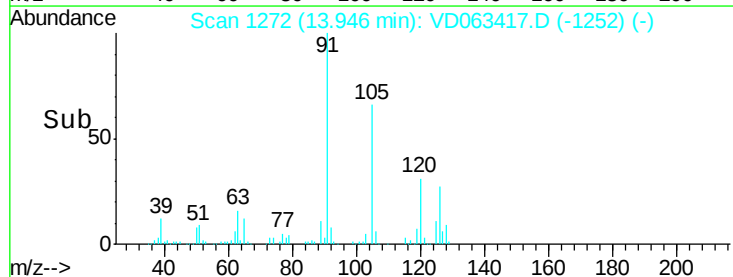
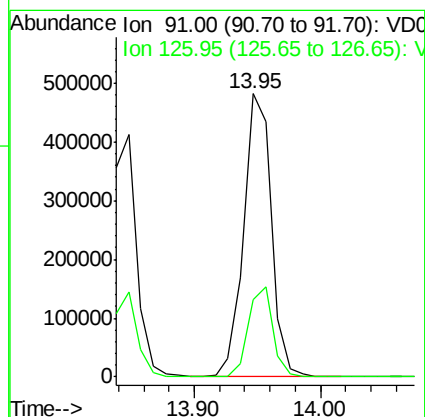
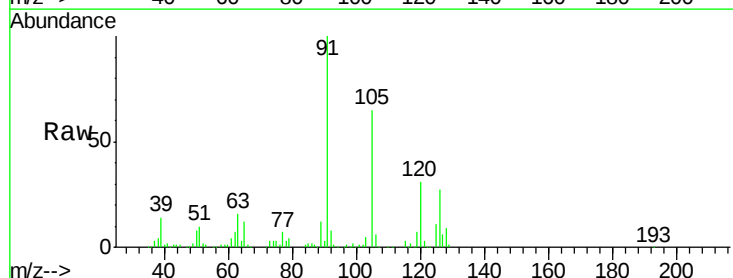
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion: 75 Resp: 38535
Ion Ratio Lower Upper
75 100
53 141.2 94.9 142.3
89 47.2 37.4 56.0



#82
4-Chlorotoluene
Concen: 25.121 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion: 91 Resp: 730508
Ion Ratio Lower Upper
91 100
126 27.2 17.1 51.2

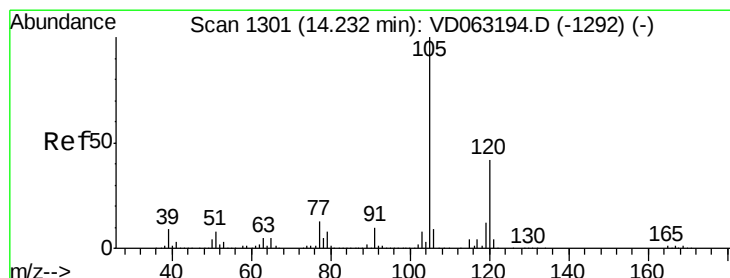
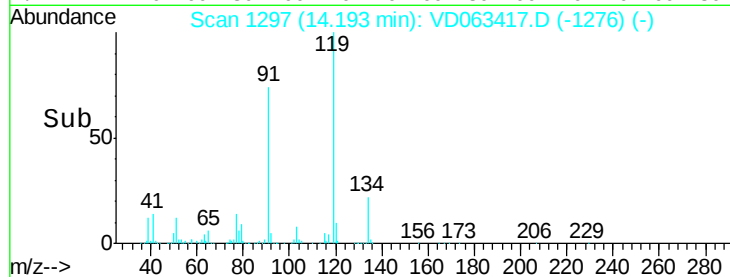
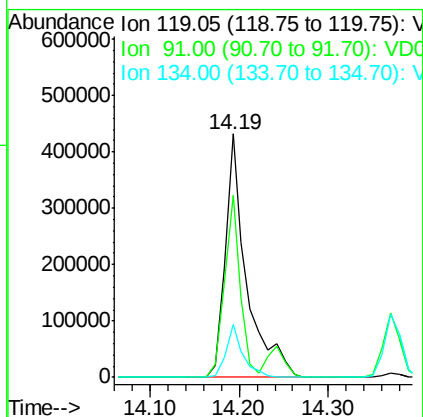
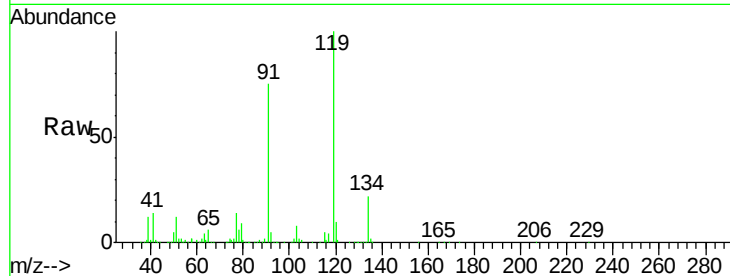




#83
 tert-Butylbenzene
 Concen: 20.599 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

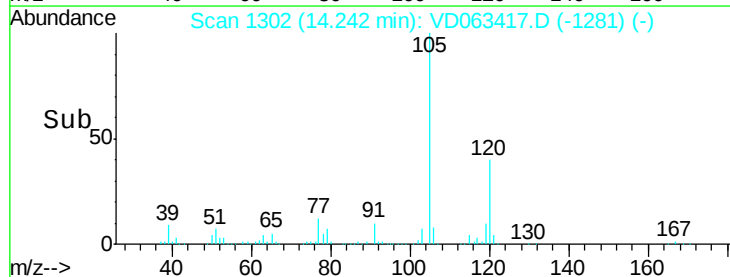
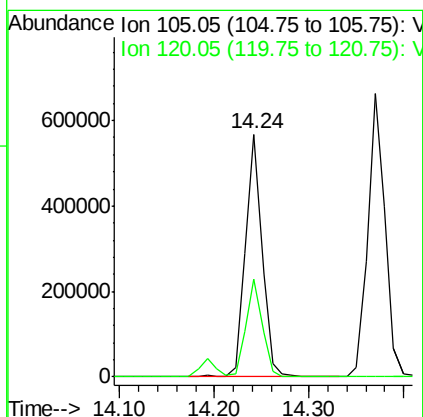
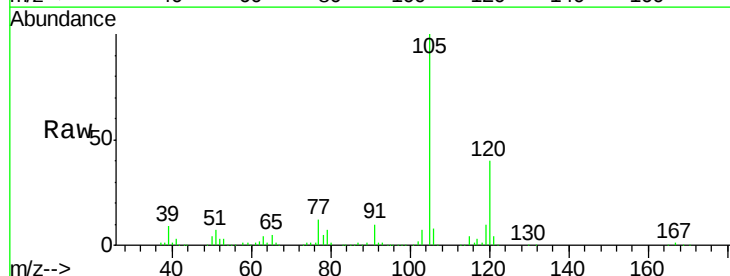
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Tot Ion:119 Resp: 726940
 Ion Ratio Lower Upper
 119 100
 91 74.9 39.1 117.5
 134 21.8 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.728 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion:105 Resp: 694605
 Ion Ratio Lower Upper
 105 100
 120 40.4 20.9 62.7





#85

sec-Butylbenzene

Concen: 22.802 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

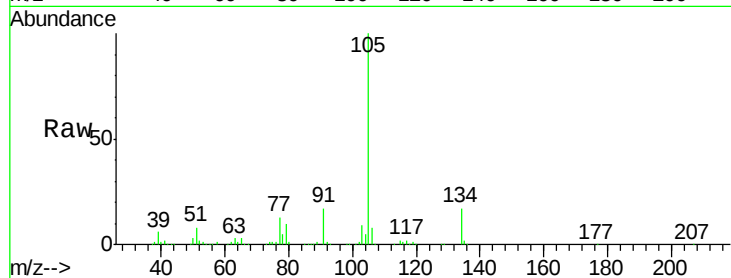
VD0807SBS01

Tot Ion:105 Resp: 847807

Ion Ratio Lower Upper

105 100

134 16.8 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

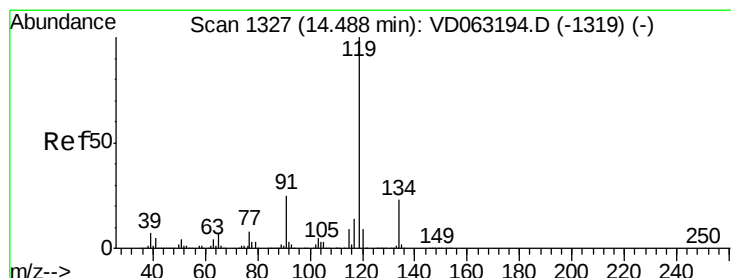
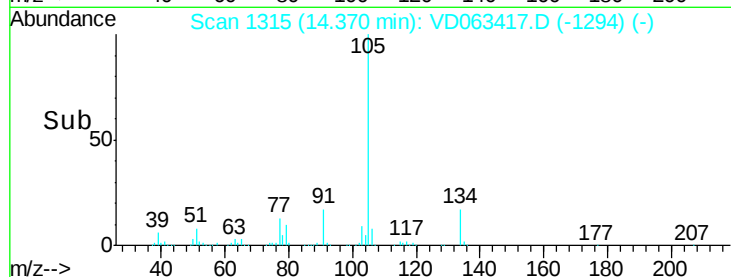
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.513 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

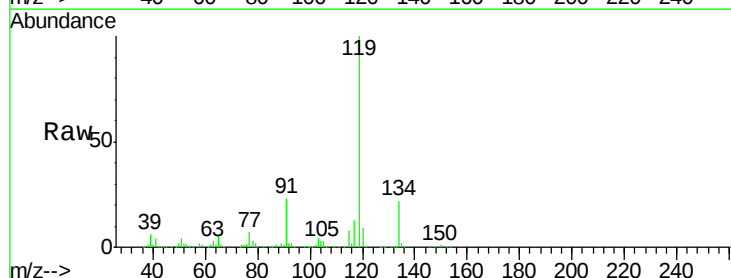
Tgt Ion:119 Resp: 834401

Ion Ratio Lower Upper

119 100

134 22.4 11.5 34.5

91 22.8 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

800000

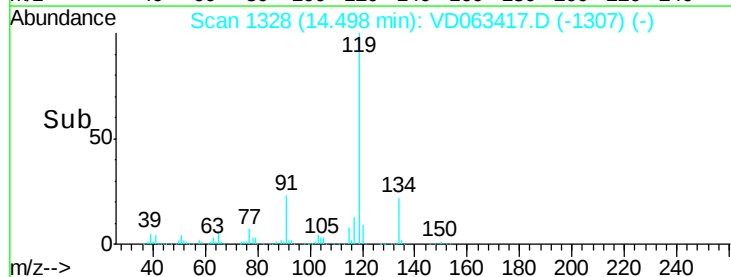
600000

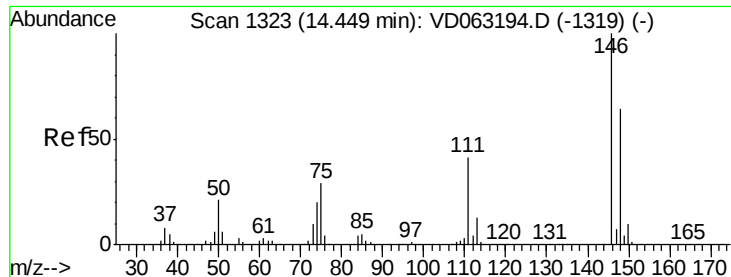
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 24.892 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

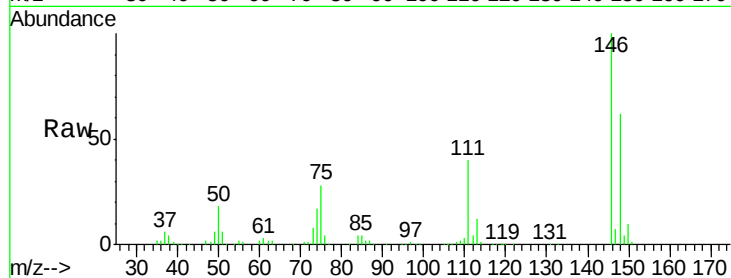
Tot Ion:146 Resp: 449981

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

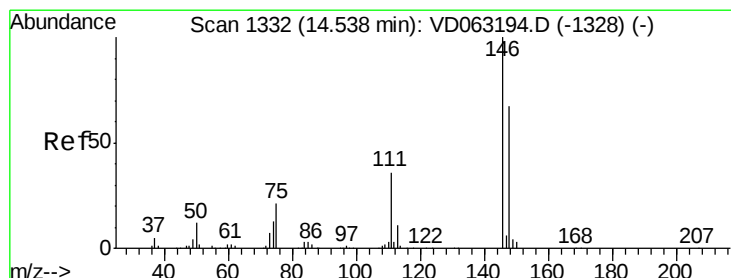
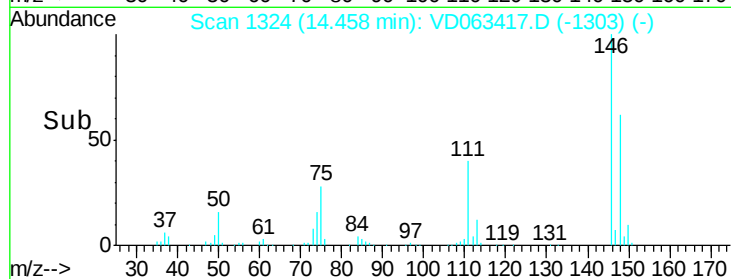
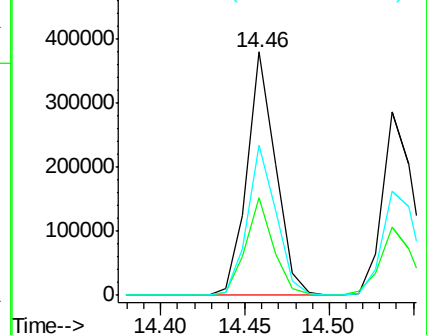
148 61.6 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.739 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

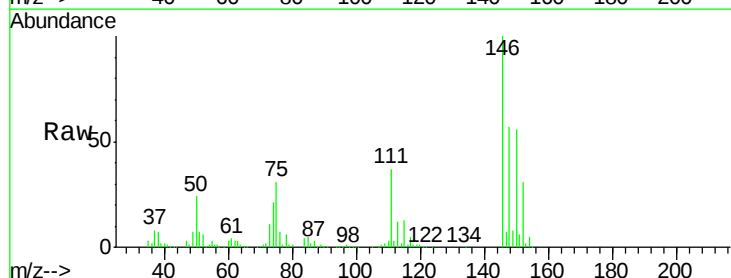
Tgt Ion:146 Resp: 360829

Ion Ratio Lower Upper

146 100

111 37.3 18.1 54.3

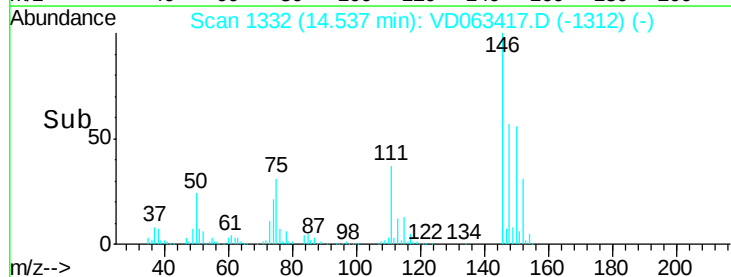
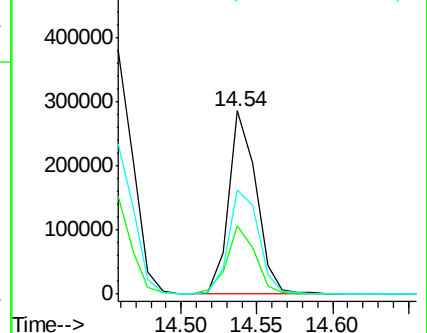
148 56.7 33.4 100.1

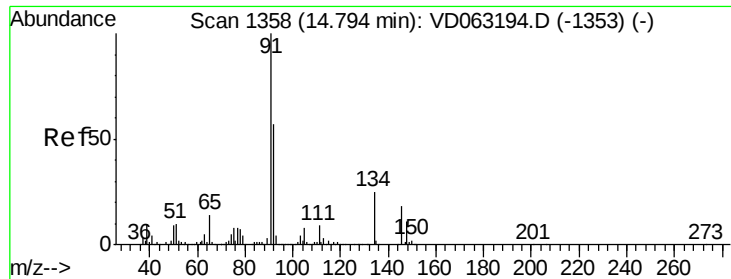


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 24.038 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063417.D

Acq: 7 Aug 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

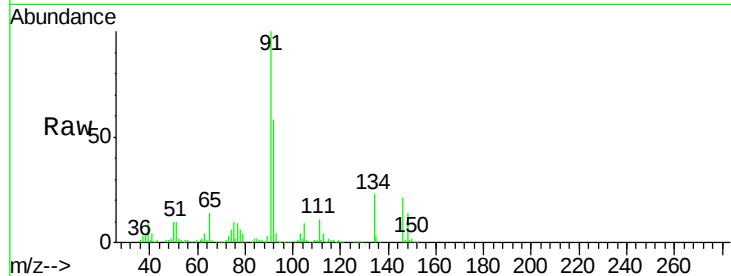
Tot Ion: 91 Resp: 736741

Ion Ratio Lower Upper

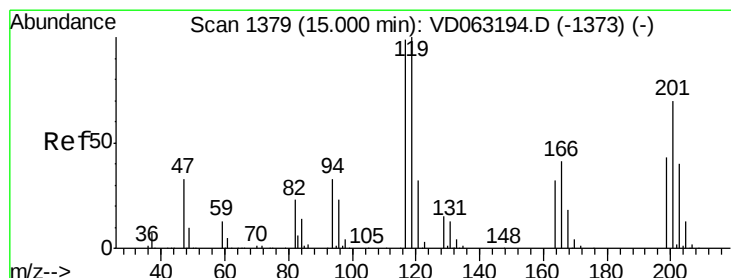
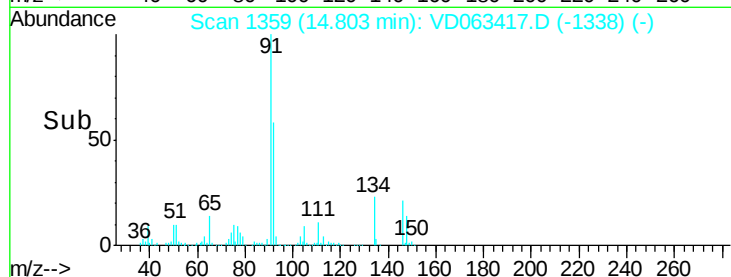
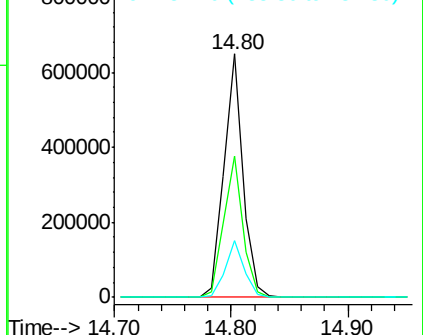
91 100

92 57.8 28.3 85.0

134 23.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 22.818 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063417.D

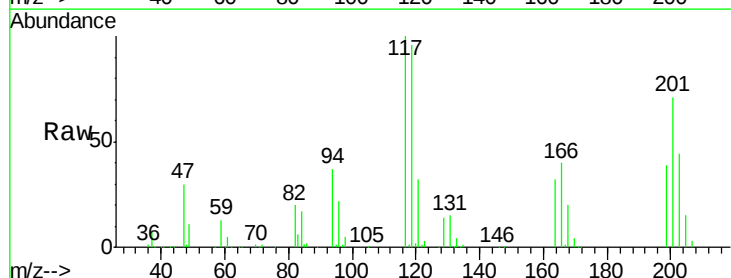
Acq: 7 Aug 2019 11:53

Tgt Ion: 117 Resp: 210964

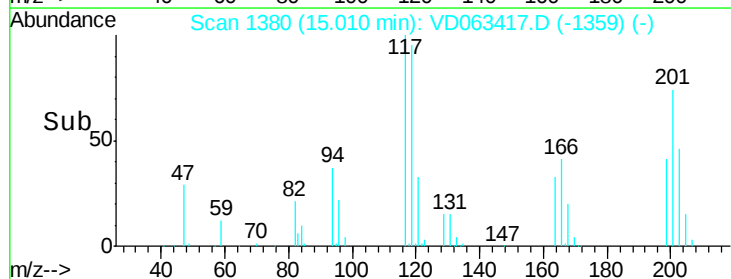
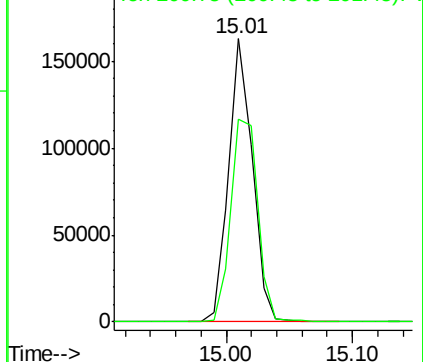
Ion Ratio Lower Upper

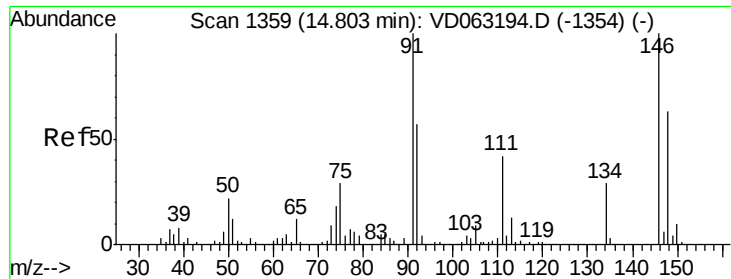
117 100

201 71.4 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

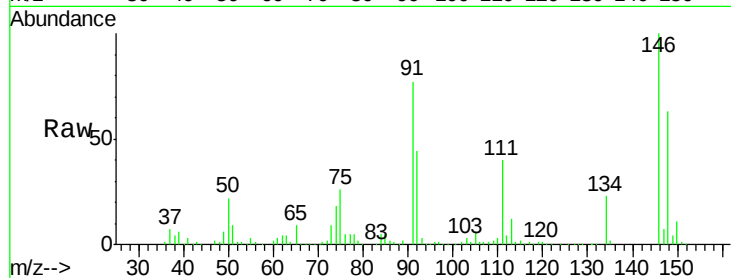




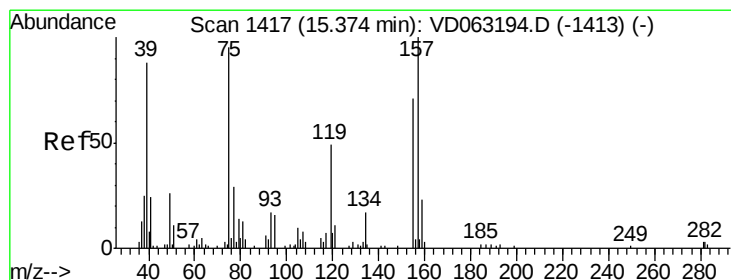
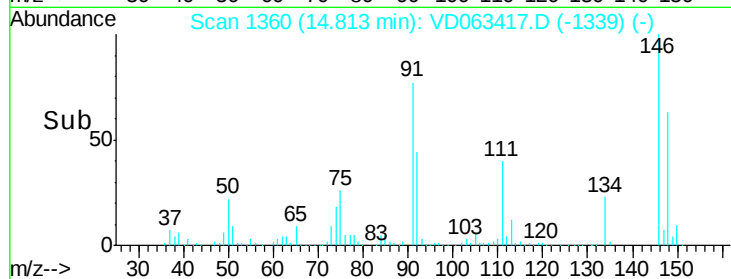
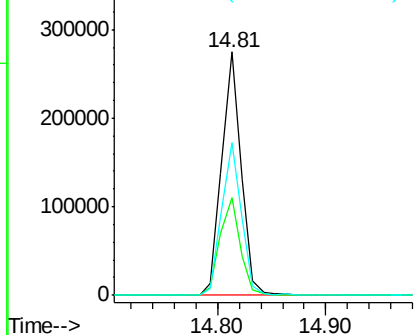
#91
 1,2-Dichlorobenzene
 Concen: 21.845 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Tot Ion:146 Resp: 344070
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.3
 148 62.8 31.6 94.8

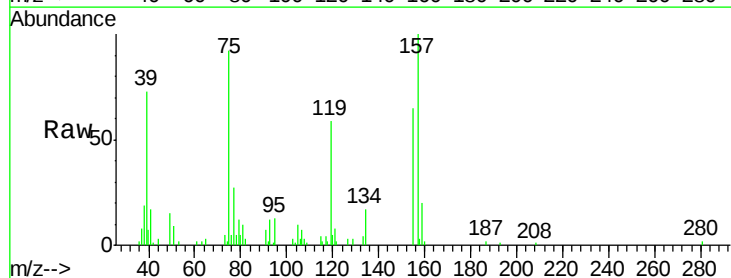


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

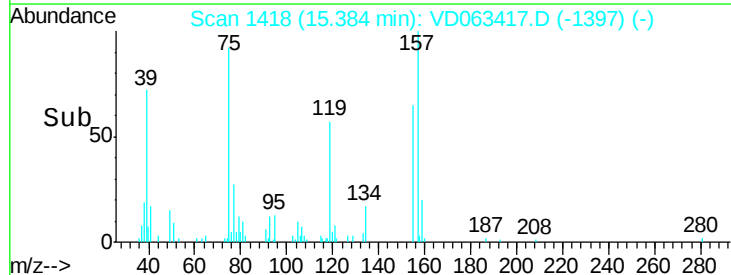
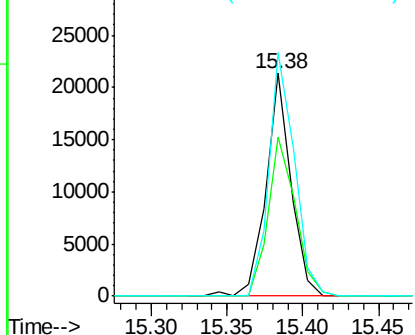


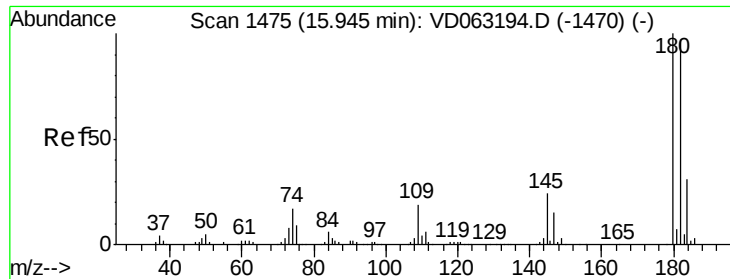
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.886 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion: 75 Resp: 24656
 Ion Ratio Lower Upper
 75 100
 155 71.2 37.0 111.0
 157 109.2 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

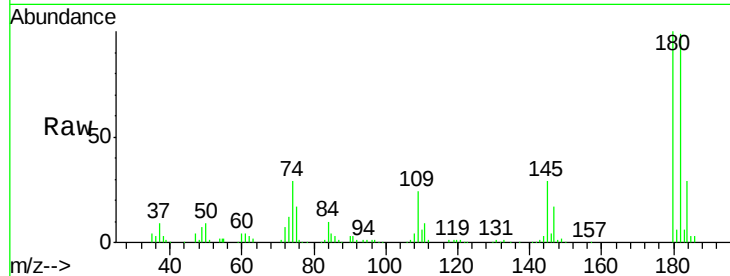




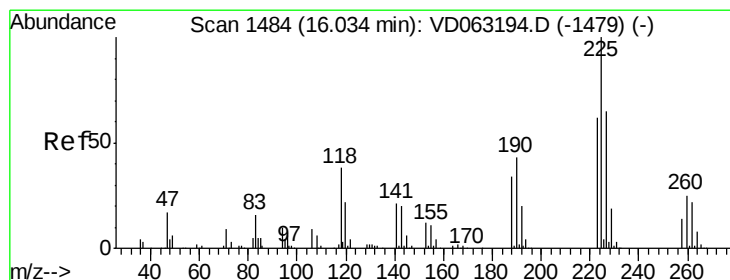
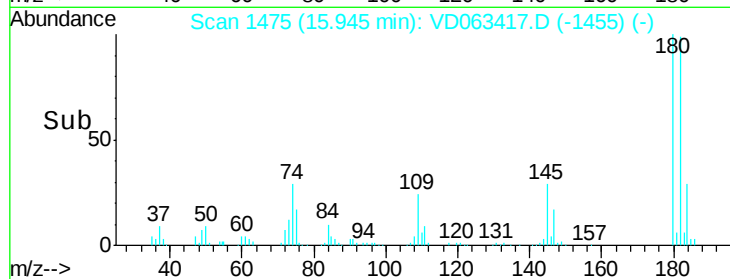
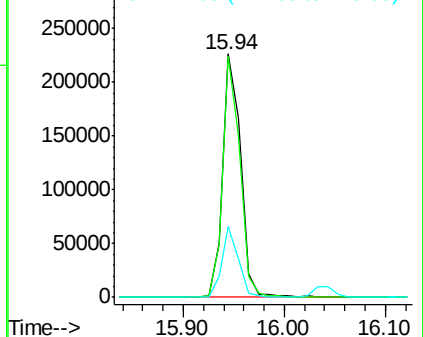
#93
 1,2,4-Trichlorobenzene
 Concen: 22.691 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.6	145.8
145	29.2	12.2	36.6

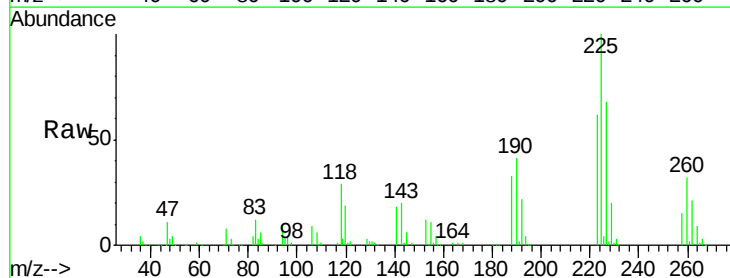


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

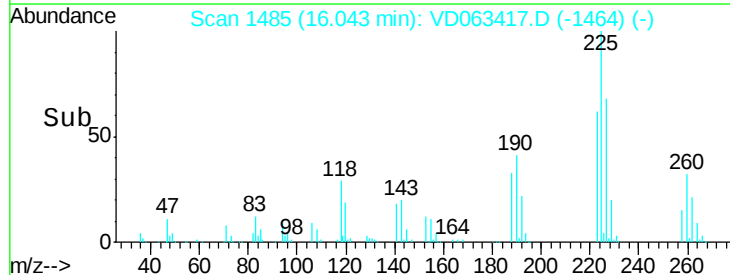
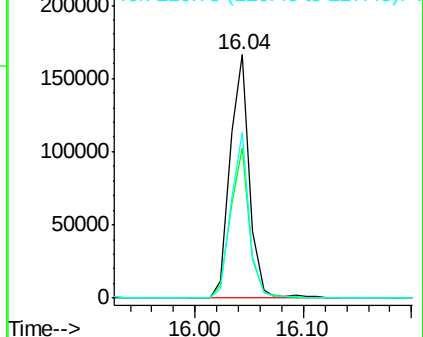


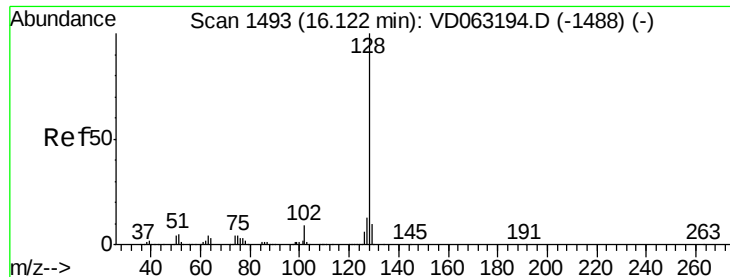
#94
 Hexachlorobutadiene
 Concen: 22.847 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063417.D
 Acq: 7 Aug 2019 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.9	92.5
227	67.9	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

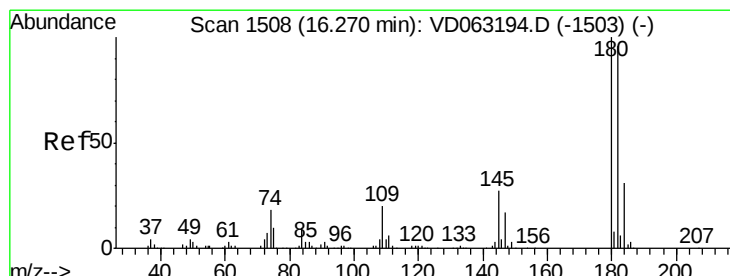
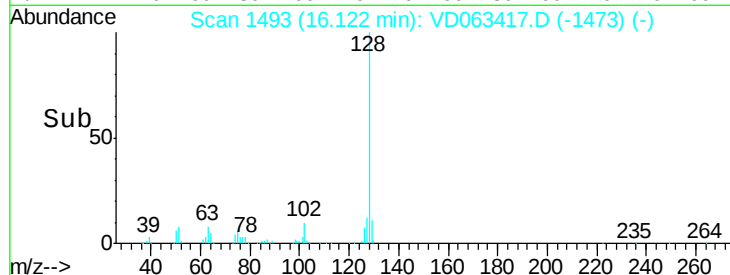
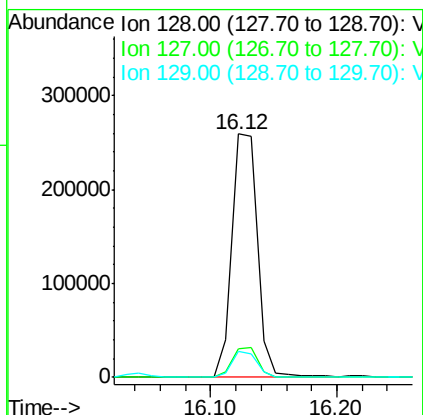
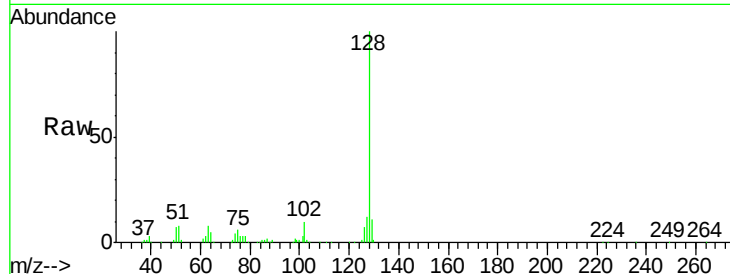




#95
Naphthalene
Concen: 20.377 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion:128 Resp: 359865
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.4
129 10.9 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 20.824 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063417.D
Acq: 7 Aug 2019 11:53

Tgt Ion:180 Resp: 205549
Ion Ratio Lower Upper
180 100
182 96.8 48.3 144.9
145 31.5 13.6 40.7

