

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063283.D
 Acq On : 31 Jul 2019 17:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 04:04:03 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	7.03	168	915161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1257039	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1082192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	647039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	508222	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	6.91	113	533762	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.41	98	1210923	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	13.55	95	526934	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	462056	41.304	ug/l	99
3) Chloromethane	1.73	50	364799	41.973	ug/l	91
4) Vinyl Chloride	1.84	62	353910	39.334	ug/l	97
5) Bromomethane	2.14	94	206281	45.458	ug/l	98
6) Chloroethane	2.25	64	202714	48.799	ug/l	93
7) Trichlorofluoromethane	2.52	101	826379	47.343	ug/l	99
8) Diethyl Ether	2.87	74	91469	37.443	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.13	101	444061	45.926	ug/l	95
10) Methyl Iodide	3.29	142	615390	44.057	ug/l	92
11) Tert butyl alcohol	4.08	59	86761	194.692	ug/l #	89
12) 1,1-Dichloroethene	3.11	96	309415	43.590	ug/l	96
13) Acrolein	3.02	56	77936	181.720	ug/l	95
14) Allyl chloride	3.60	41	502850	44.469	ug/l	98
15) Acrylonitrile	4.18	53	234383	202.870	ug/l	99
16) Acetone	3.21	43	428439	216.546	ug/l	97
17) Carbon Disulfide	3.36	76	1023962	43.098	ug/l	97
18) Methyl Acetate	3.62	43	148465	39.066	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	697669	43.511	ug/l	99
20) Methylene Chloride	3.80	84	324013	40.515	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	352251	44.227	ug/l	99
22) Diisopropyl ether	5.11	45	986509	43.666	ug/l	97
23) Vinyl Acetate	5.04	43	3058721	220.253	ug/l	98
24) 1,1-Dichloroethane	4.96	63	635254	44.021	ug/l	96
25) 2-Butanone	6.05	43	429719	216.417	ug/l	92
26) 2,2-Dichloropropane	6.02	77	678139	45.600	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	375407	43.963	ug/l	93
28) Bromochloromethane	6.42	49	293049	50.968	ug/l	99
29) Tetrahydrofuran	6.45	42	191532	203.740	ug/l	97
30) Chloroform	6.66	83	829000	46.290	ug/l	95
31) Cyclohexane	6.94	56	396449	43.829	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	810952	46.815	ug/l	99
36) 1,1-Dichloropropene	7.14	75	539298	47.010	ug/l	98
37) Ethyl Acetate	6.16	43	195967	38.023	ug/l	97
38) Carbon Tetrachloride	7.10	117	887150	51.367	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	411365	43.038	ug/l	92
40) Benzene	7.44	78	1119847	46.576	ug/l	94
41) Methacrylonitrile	6.44	41	269011	43.634	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	613417	48.140	ug/l	99
43) Isopropyl Acetate	9.23	43	294290	44.700	ug/l #	99
44) Trichloroethene	8.54	130	451197	46.312	ug/l	99
45) 1,2-Dichloropropane	8.93	63	269528	44.104	ug/l	97
46) Dibromomethane	9.06	93	232520	45.759	ug/l	94
47) Bromodichloromethane	9.37	83	633994	48.946	ug/l	93
48) Methyl methacrylate	9.12	41	192864	45.168	ug/l	96
49) 1,4-Dioxane	9.07	88	33592	928.413	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	972263	217.149	ug/l	97
52) Toluene	10.49	92	746292	46.669	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	514151	46.041	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	528423	45.024	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	256272	47.451	ug/l #	92
56) Ethyl methacrylate	11.04	69	278196	47.040	ug/l	94
57) 1,3-Dichloropropane	11.40	76	389542	45.778	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	674931	219.326	ug/l	98
59) 2-Hexanone	11.53	43	718988	222.831	ug/l	100
60) Dibromochloromethane	11.68	129	489659	48.026	ug/l	100
61) 1,2-Dibromoethane	11.80	107	296688	44.519	ug/l	93
64) Tetrachloroethene	11.25	164	402352	46.669	ug/l	98
65) Chlorobenzene	12.39	112	912990	43.861	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	430674	46.971	ug/l	99
67) Ethyl Benzene	12.52	91	1649663	46.652	ug/l	96
68) m/p-Xylenes	12.66	106	1100855	84.891	ug/l	97
69) o-Xylene	13.04	106	547294	45.958	ug/l	99
70) Styrene	13.06	104	983694	46.579	ug/l	95
71) Bromoform	13.23	173	322574	48.378	ug/l	94
73) Isopropylbenzene	13.40	105	1811783	44.614	ug/l	98
74) N-amyl acetate	13.26	43	432904	40.324	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	291518	42.260	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	316930	40.780	ug/l	97
77) Bromobenzene	13.66	156	493958	42.698	ug/l	93
78) n-propylbenzene	13.77	91	1906084	39.441	ug/l	98
79) 2-Chlorotoluene	13.83	91	1162673	41.521	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1504900	42.965	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	78131	36.204	ug/l	88
82) 4-Chlorotoluene	13.94	91	1436516	43.590	ug/l	93
83) tert-Butylbenzene	14.19	119	1718847	42.979	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1545545	42.661	ug/l	98
85) sec-Butylbenzene	14.36	105	1784868	42.360	ug/l	100
86) p-Isopropyltoluene	14.48	119	1551360	38.575	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	880689	42.987	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	814499	39.316	ug/l	97
89) n-Butylbenzene	14.80	91	1554609	44.757	ug/l	96
90) Hexachloroethane	15.00	117	437029	41.710	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	735585	41.209	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58269	41.469	ug/l	84

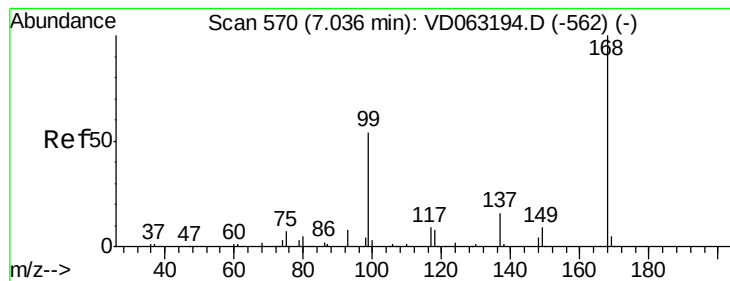
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	570520	40.289	ug/l	96
94) Hexachlorobutadiene	16.04	225	432856	42.181	ug/l	95
95) Naphthalene	16.12	128	721848	36.066	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	425593	38.045	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

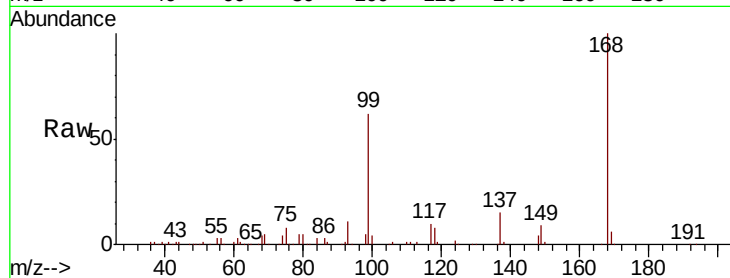
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 915161

Ion Ratio Lower Upper

168 100

99 62.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

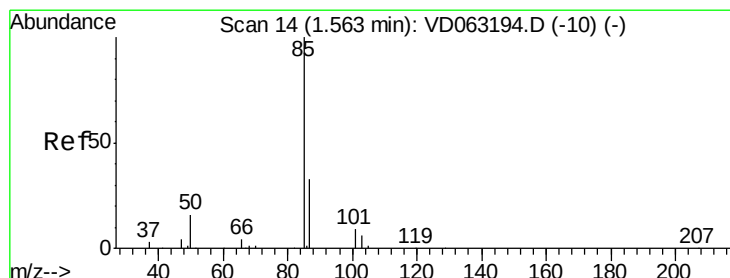
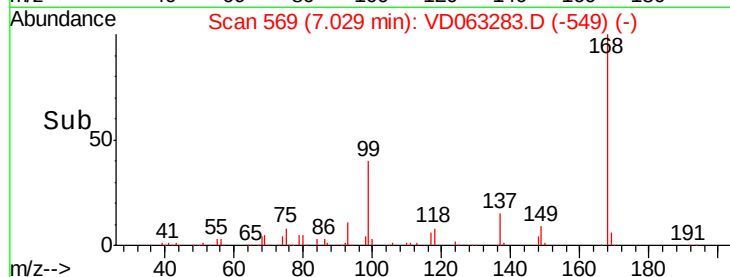
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 41.304 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063283.D

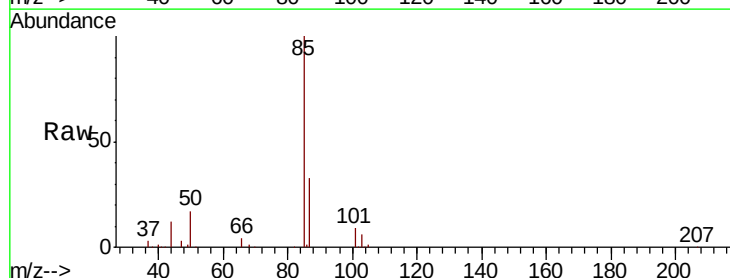
Acq: 31 Jul 2019 17:09

Tgt Ion: 85 Resp: 462056

Ion Ratio Lower Upper

85 100

87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

250000

200000

150000

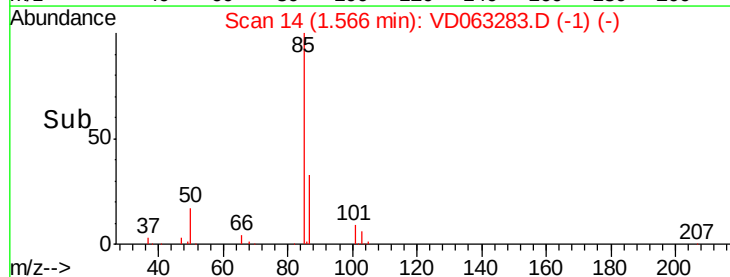
100000

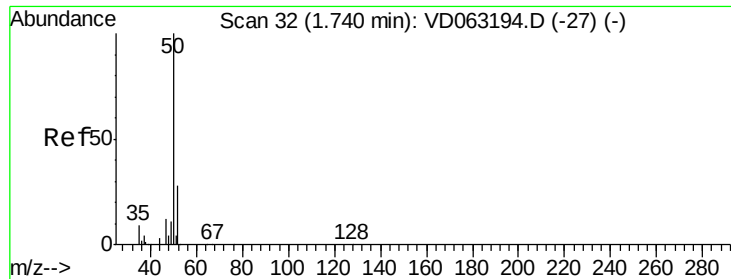
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 41.973 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

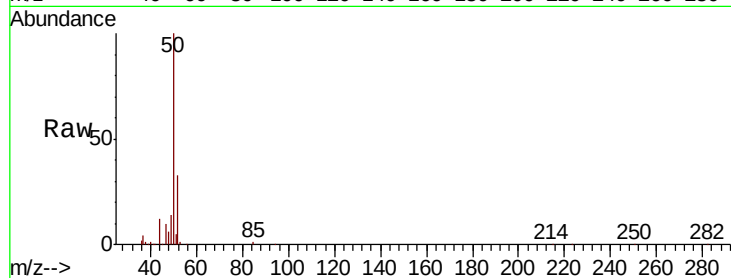
ClientSampleId :

Tot Ion: 50 Resp: 364799

Ion Ratio Lower Upper

50 100

52 33.3 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

150000

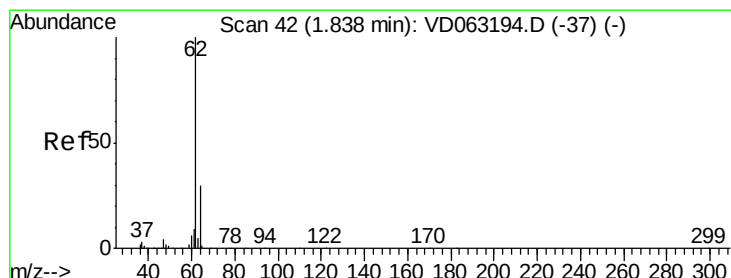
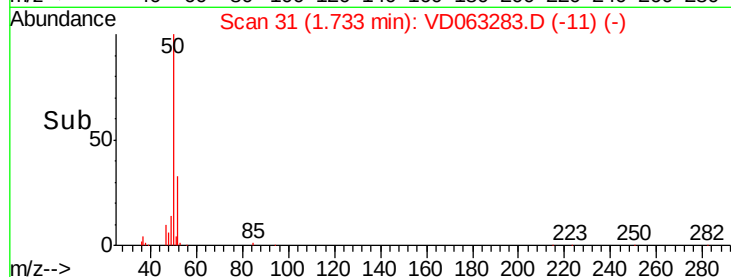
100000

50000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 39.334 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063283.D

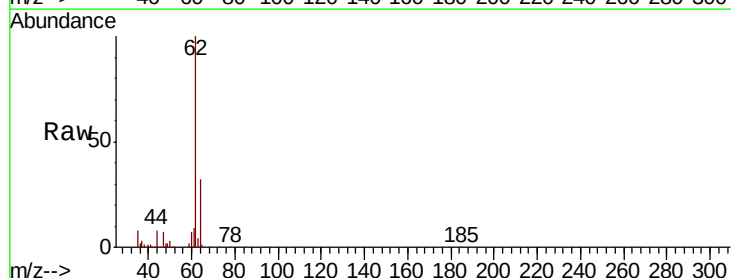
Acq: 31 Jul 2019 17:09

Tgt Ion: 62 Resp: 353910

Ion Ratio Lower Upper

62 100

64 31.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

200000

150000

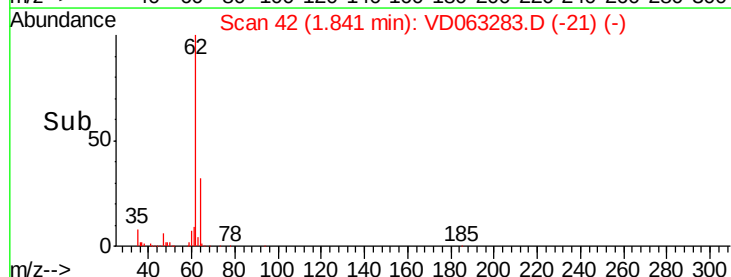
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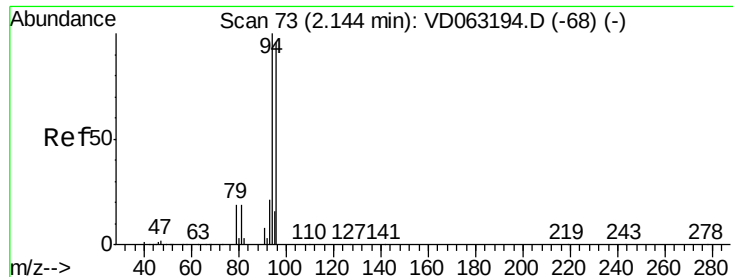
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 45.458 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

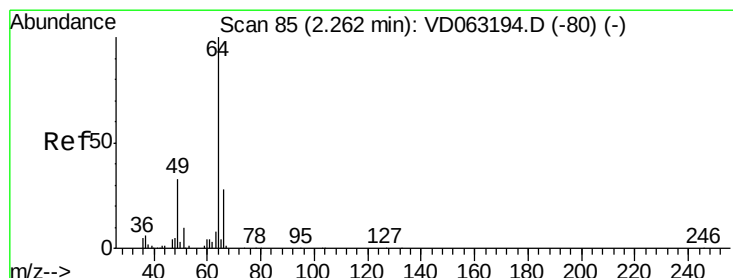
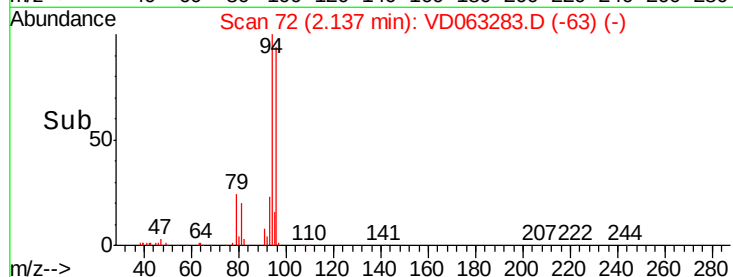
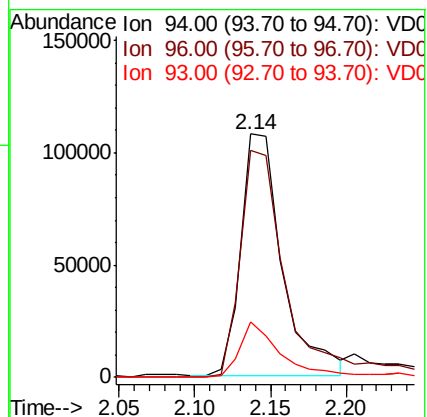
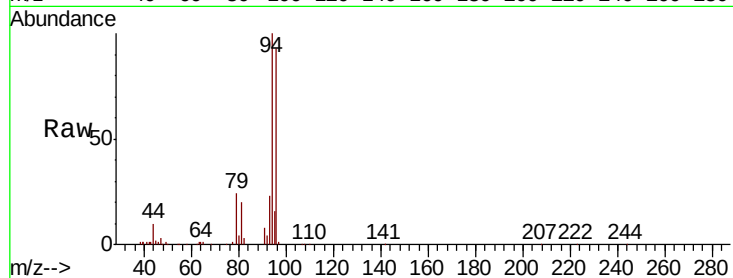
Tot Ion: 94 Resp: 206281

Ion Ratio Lower Upper

94 100

96 93.1 76.4 114.6

93 22.6 17.3 25.9



#6

Chloroethane

Concen: 48.799 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063283.D

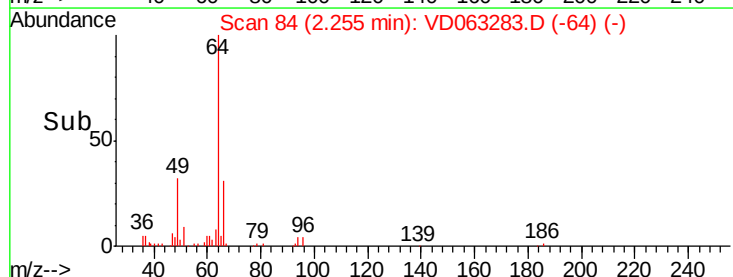
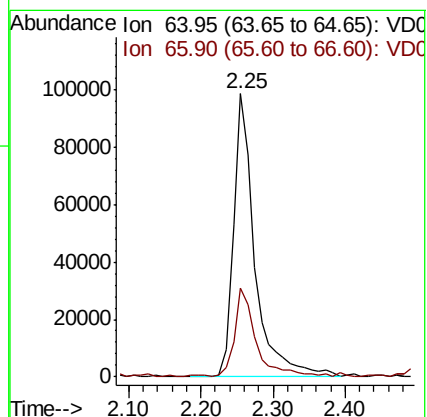
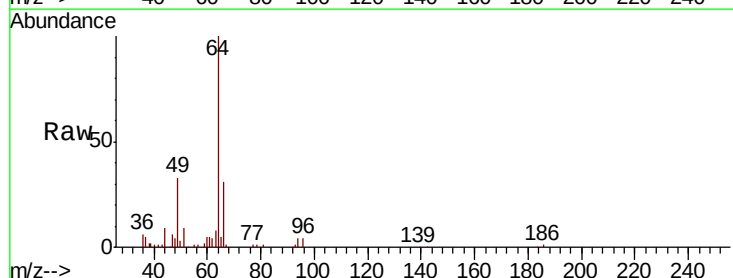
Acq: 31 Jul 2019 17:09

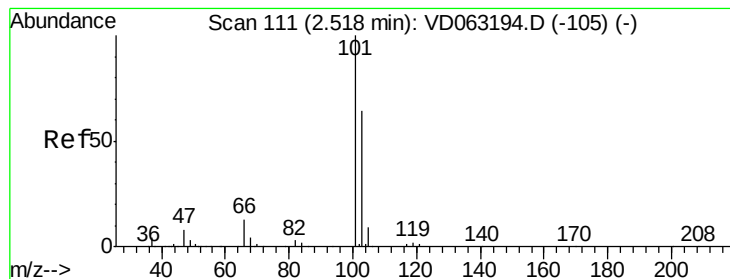
Tgt Ion: 64 Resp: 202714

Ion Ratio Lower Upper

64 100

66 31.3 22.2 33.2



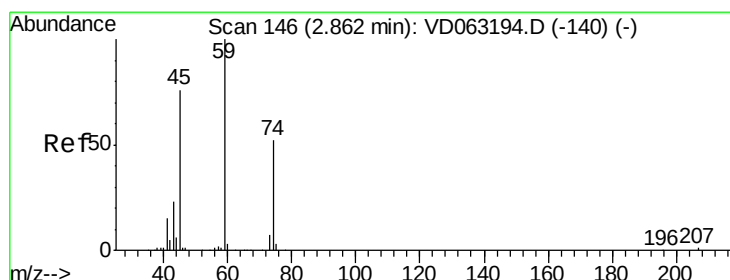
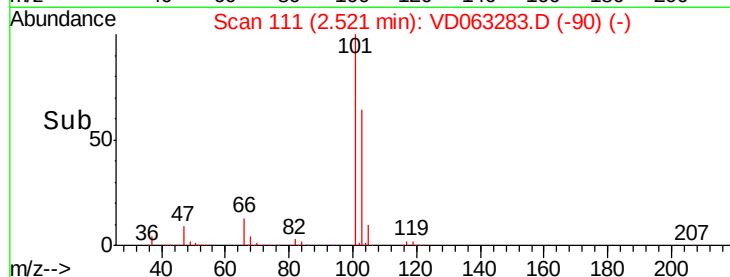
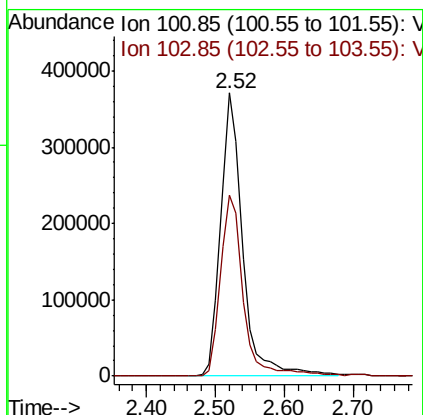
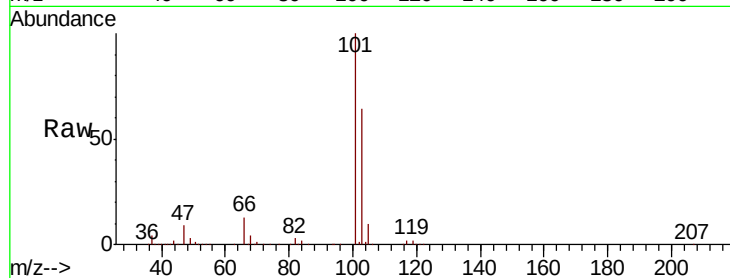


#7

Trichlorofluoromethane
Concen: 47.343 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :

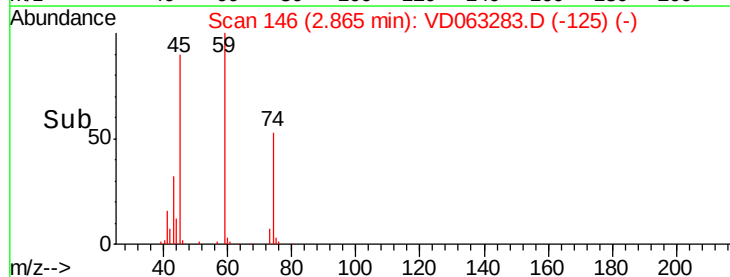
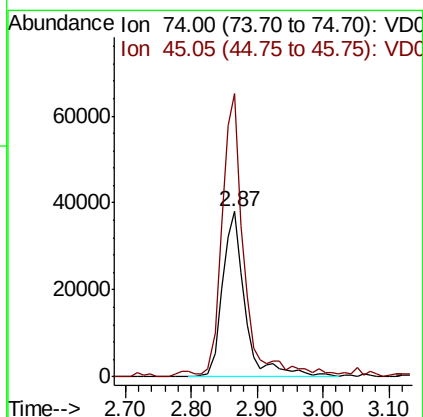
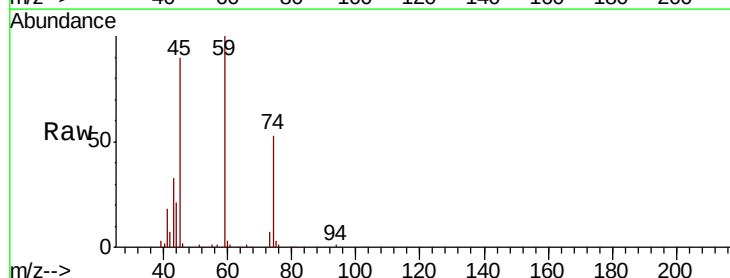
Tot Ion:101 Resp: 826379
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3

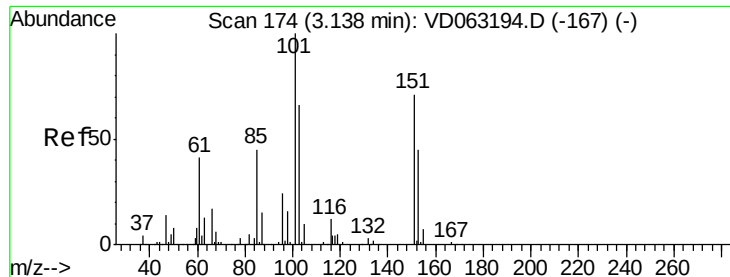


#8

Diethyl Ether
Concen: 37.443 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 74 Resp: 91469
Ion Ratio Lower Upper
74 100
45 171.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.926 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

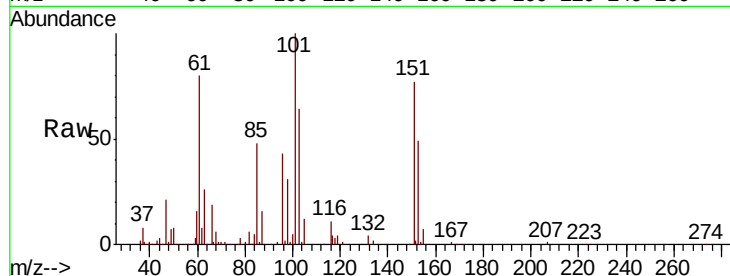
Tot Ion:101 Resp: 444061

Ion Ratio Lower Upper

101 100

85 47.6 36.1 54.1

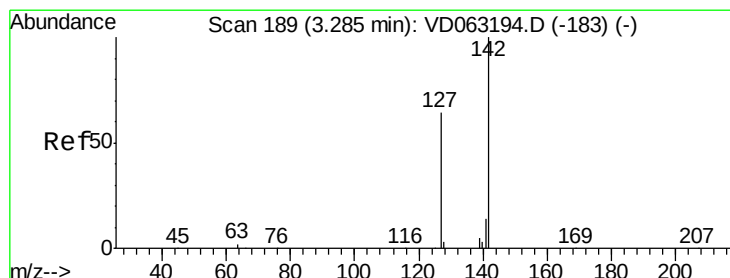
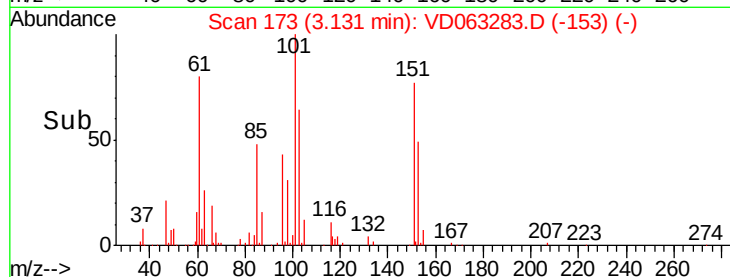
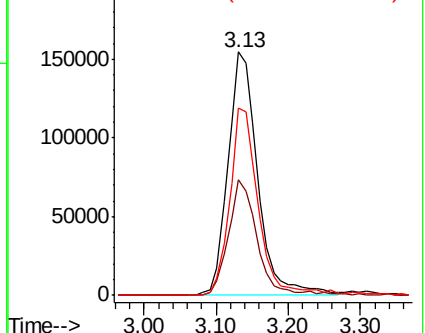
151 76.8 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.057 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

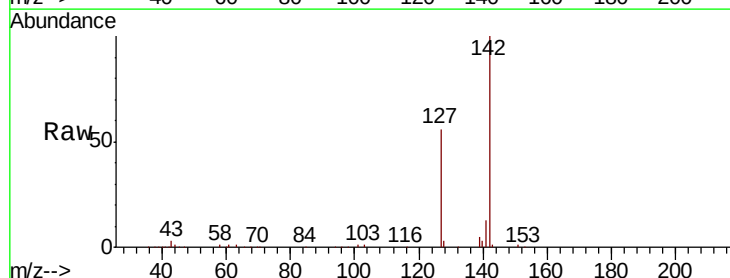
Tgt Ion:142 Resp: 615390

Ion Ratio Lower Upper

142 100

127 56.2 50.8 76.2

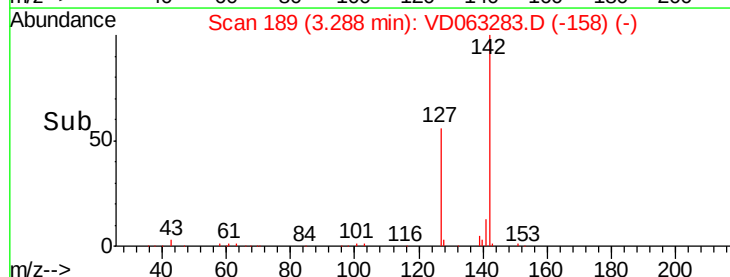
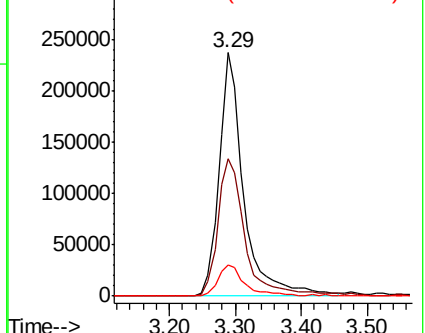
141 12.7 11.4 17.2

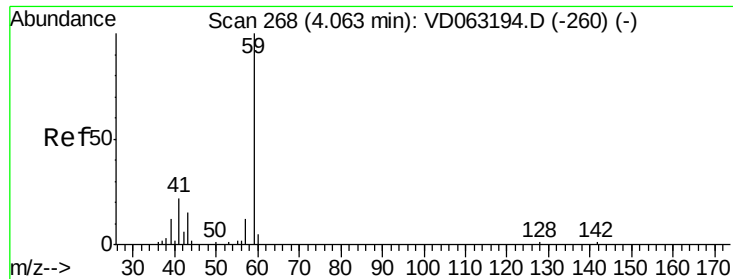


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



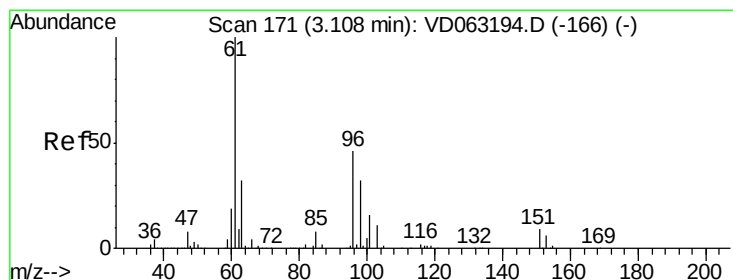
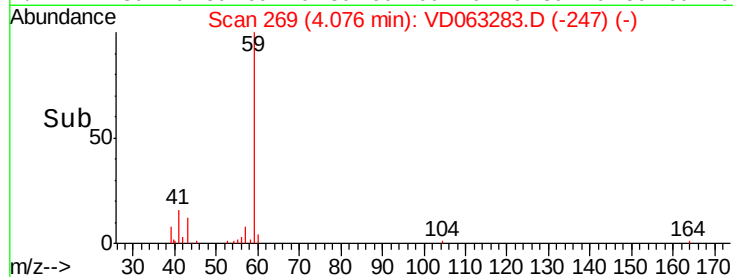
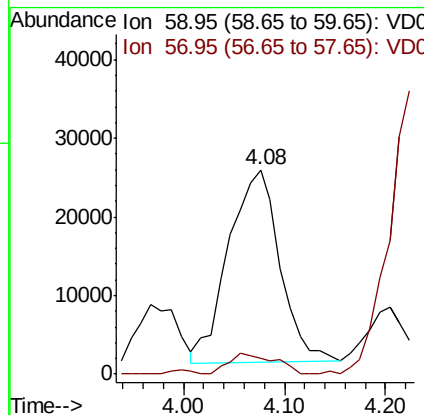
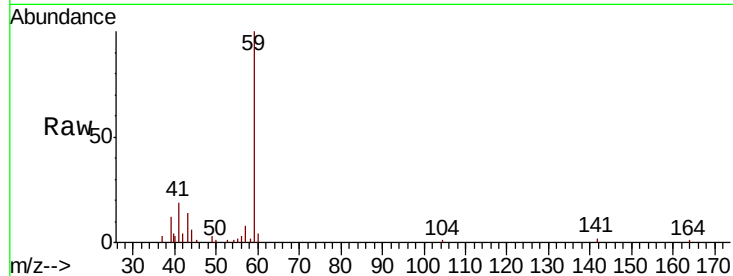


#11

Tert butyl alcohol
Concen: 194.692 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampled :

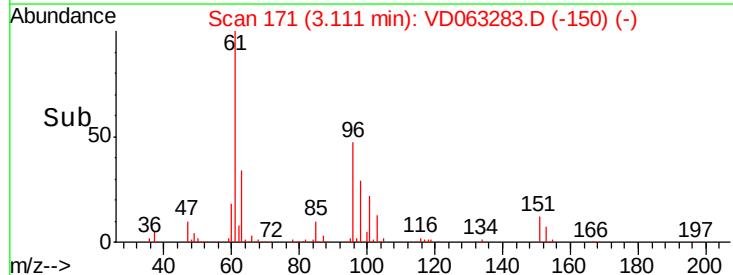
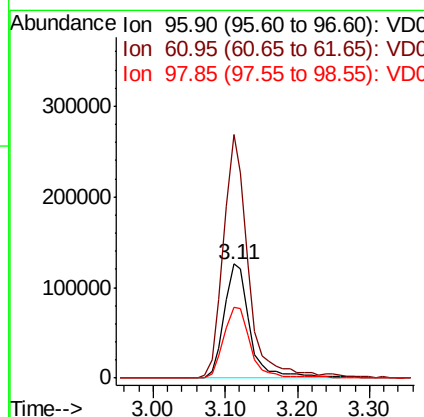
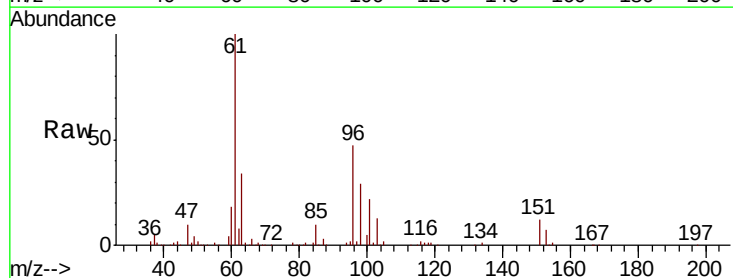
Tot Ion: 59 Resp: 86761
Ion Ratio Lower Upper
59 100
57 7.8 9.6 14.4#

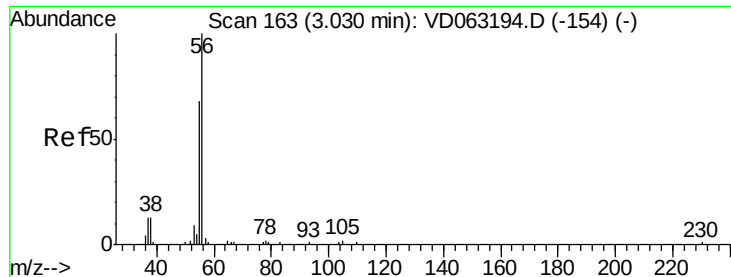


#12

1,1-Dichloroethene
Concen: 43.590 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 96 Resp: 309415
Ion Ratio Lower Upper
96 100
61 213.0 173.7 260.5
98 62.1 55.8 83.8





#13

Acrolein

Concen: 181.720 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

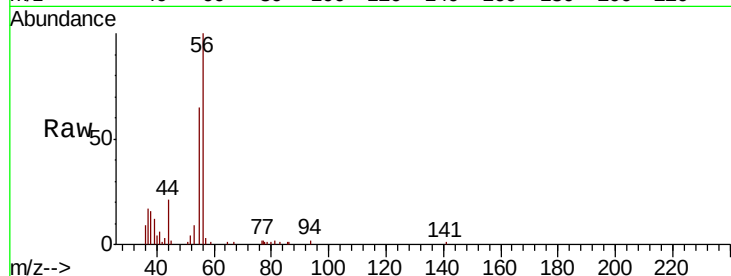
ClientSampleId :

Tot Ion: 56 Resp: 77936

Ion Ratio Lower Upper

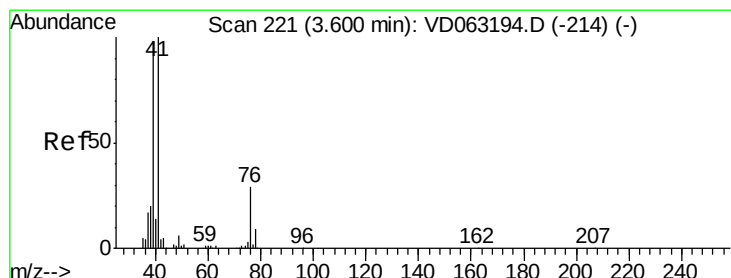
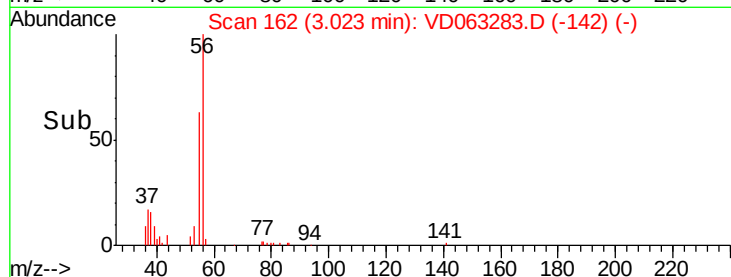
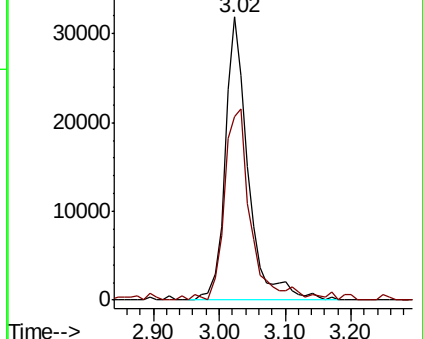
56 100

55 64.8 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.469 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

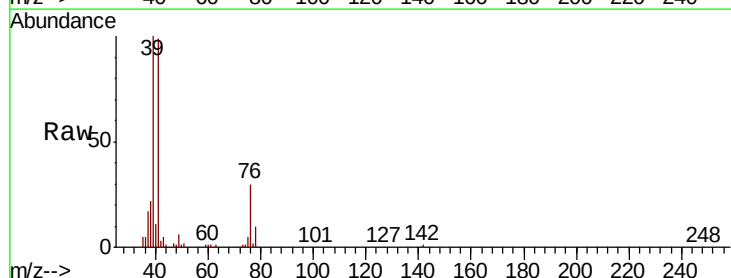
Tgt Ion: 41 Resp: 502850

Ion Ratio Lower Upper

41 100

39 101.0 78.6 117.8

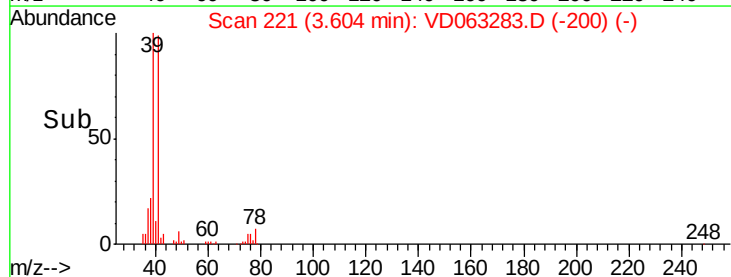
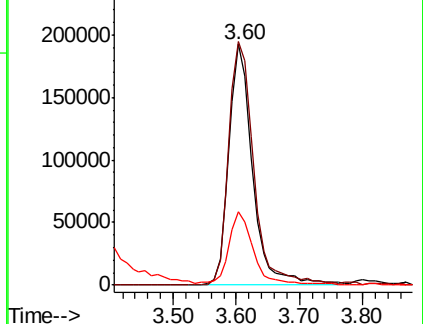
76 30.2 24.5 36.7

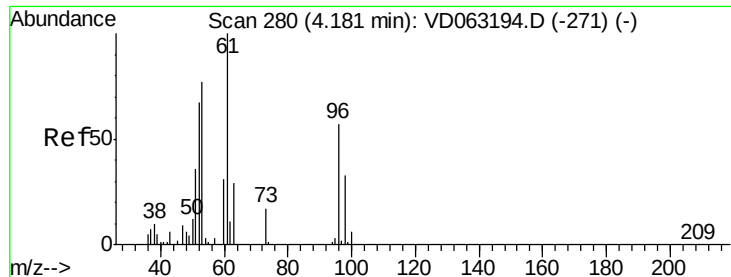


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 202.870 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampled :

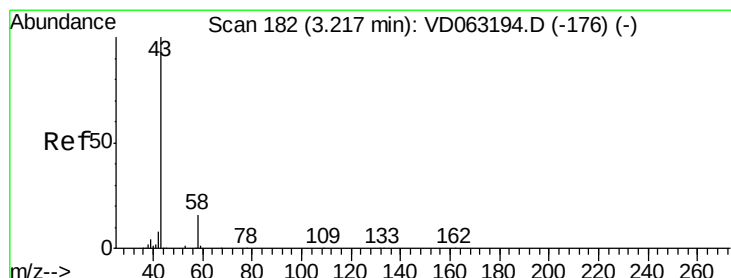
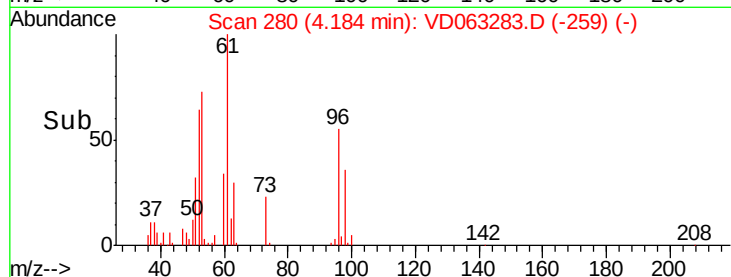
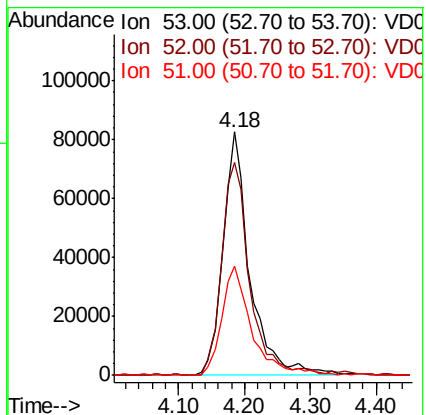
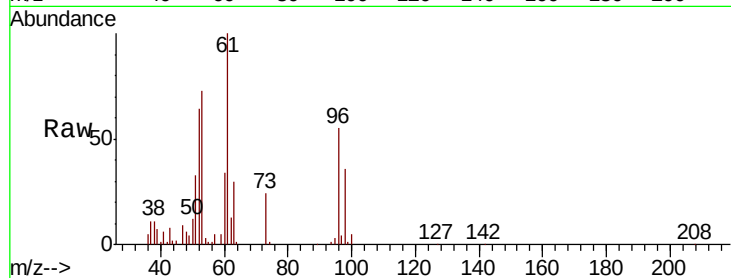
Tot Ion: 53 Resp: 234383

Ion Ratio Lower Upper

53 100

52 87.6 69.7 104.5

51 44.8 37.4 56.0



#16

Acetone

Concen: 216.546 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063283.D

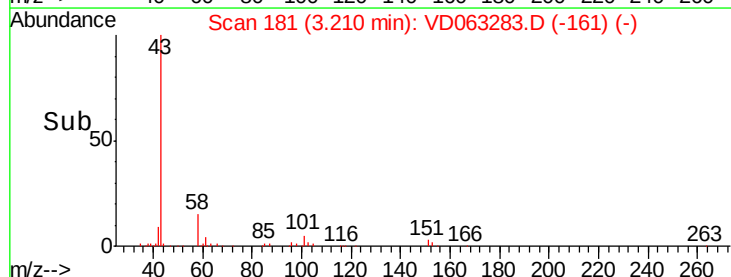
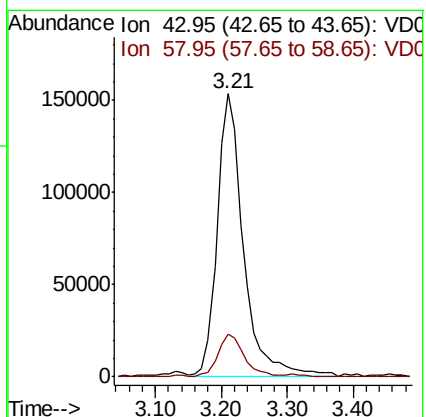
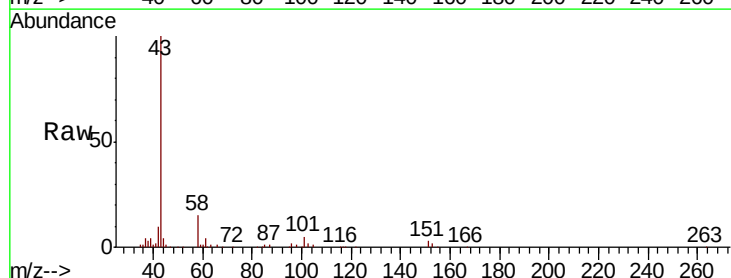
Acq: 31 Jul 2019 17:09

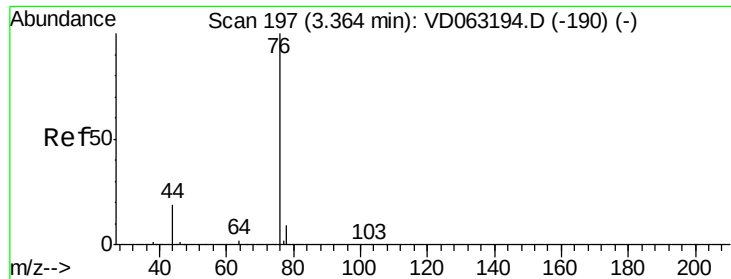
Tgt Ion: 43 Resp: 428439

Ion Ratio Lower Upper

43 100

58 15.0 13.0 19.4

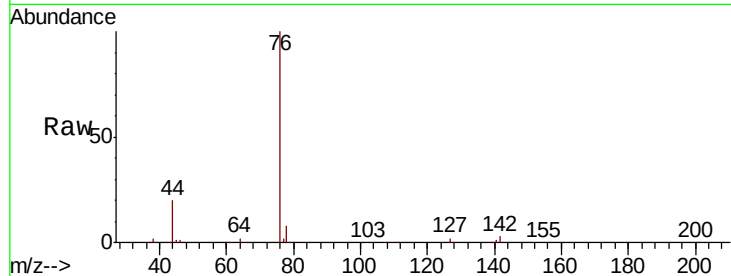




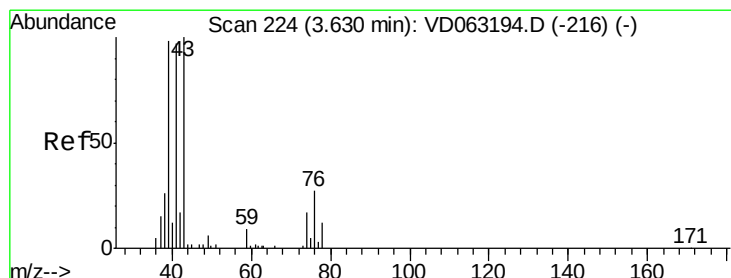
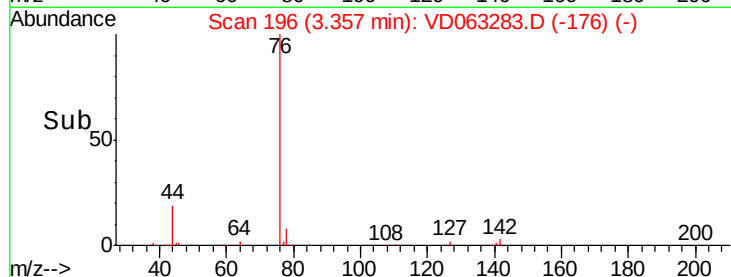
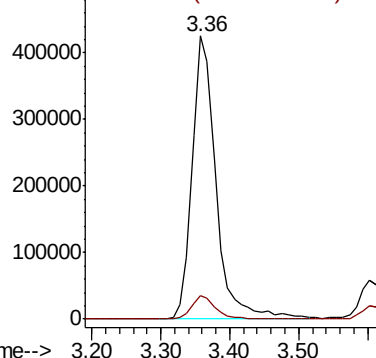
#17
Carbon Disulfide
Concen: 43.098 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 1023962
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2

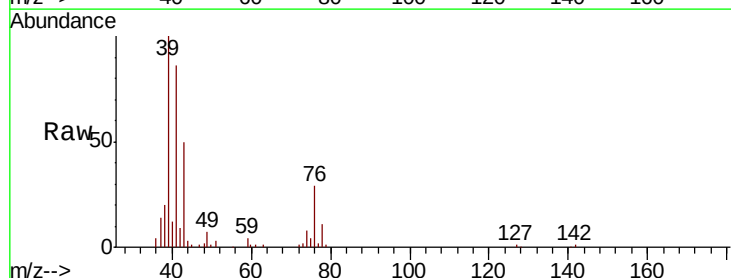


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

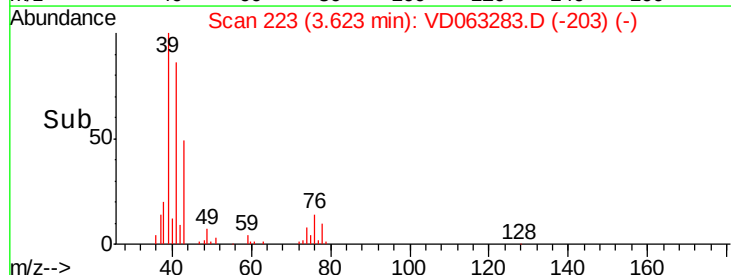
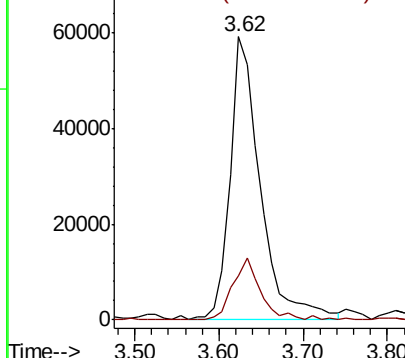


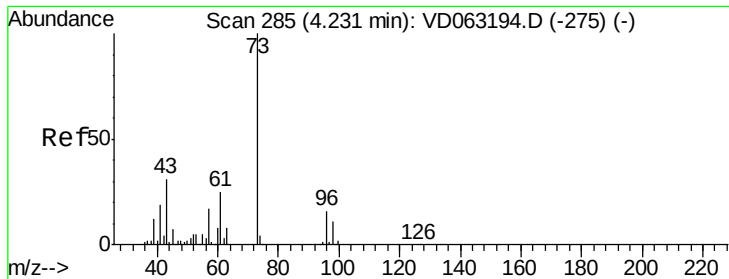
#18
Methyl Acetate
Concen: 39.066 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 43 Resp: 148465
Ion Ratio Lower Upper
43 100
74 15.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



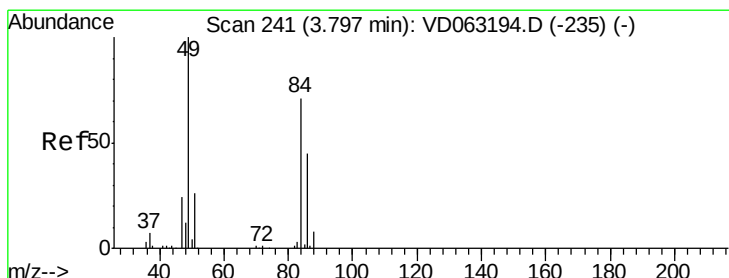
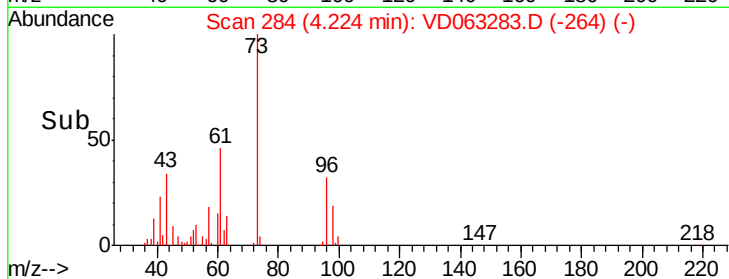
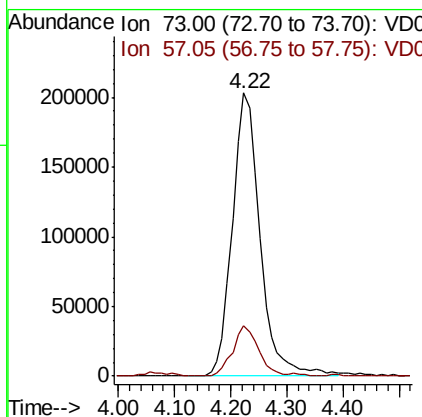
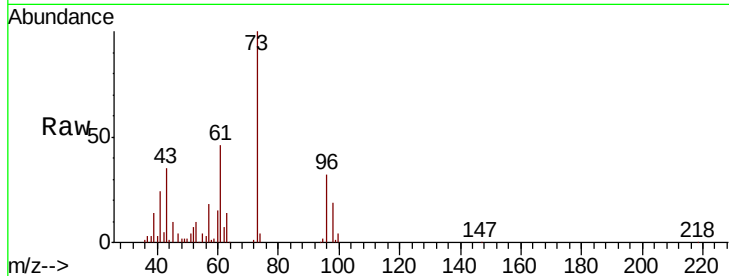


#19

Methyl tert-butyl Ether
 Concen: 43.511 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampleId :

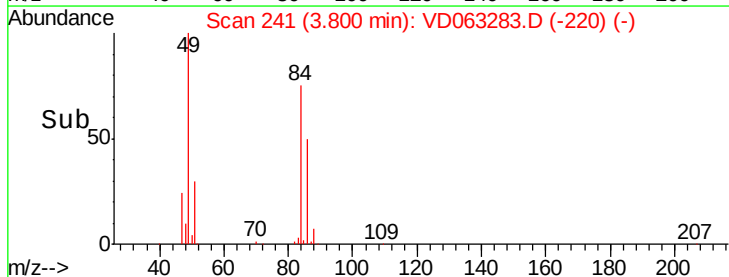
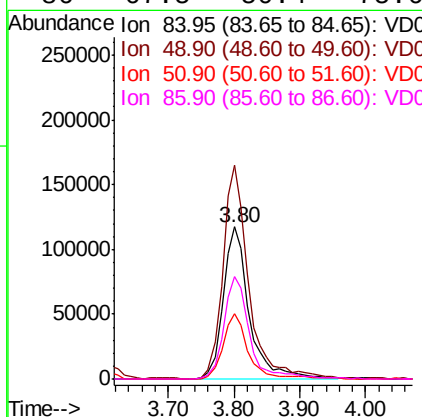
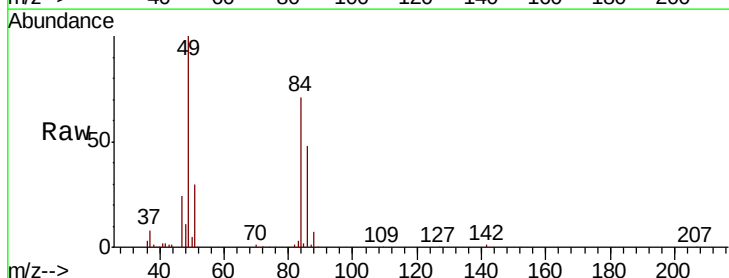
Tot Ion: 73 Resp: 697669
 Ion Ratio Lower Upper
 73 100
 57 17.7 13.8 20.6

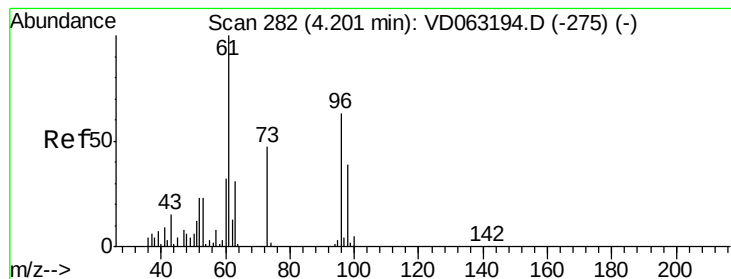


#20

Methylene Chloride
 Concen: 40.515 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion: 84 Resp: 324013
 Ion Ratio Lower Upper
 84 100
 49 140.8 112.5 168.7
 51 42.9 29.6 44.4
 86 67.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 44.227 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampled :

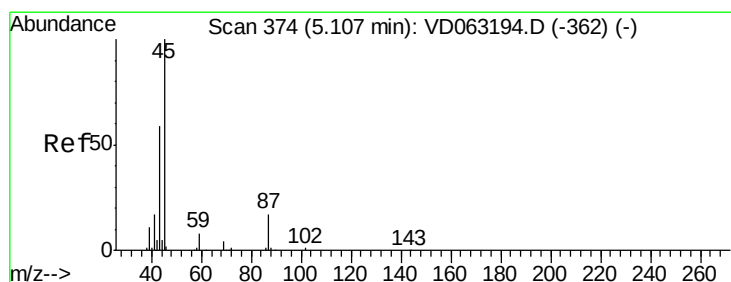
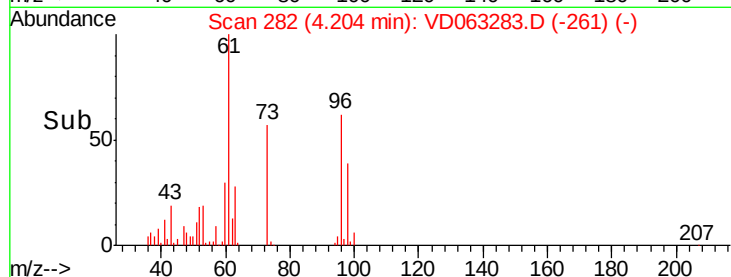
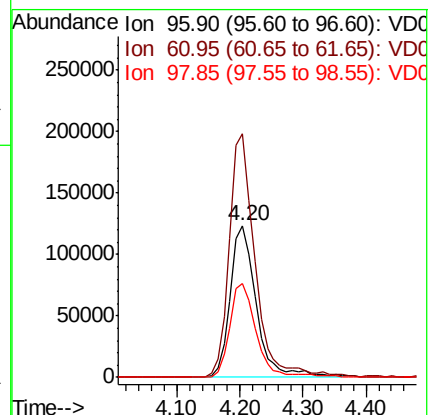
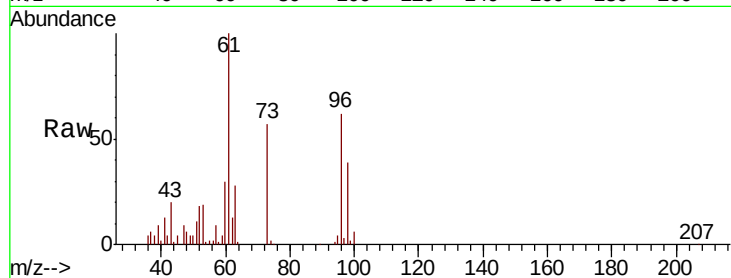
Tot Ion: 96 Resp: 352251

Ion Ratio Lower Upper

96 100

61 160.8 127.4 191.2

98 62.3 49.3 73.9



#22

Diisopropyl ether

Concen: 43.666 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Tgt Ion: 45 Resp: 986509

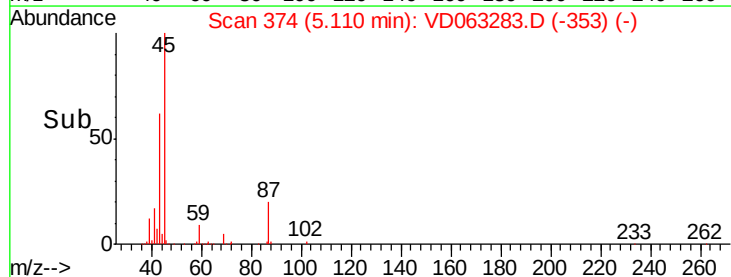
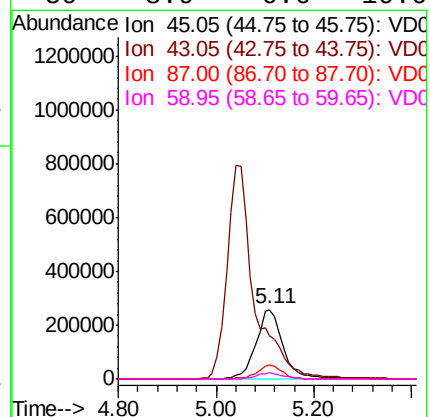
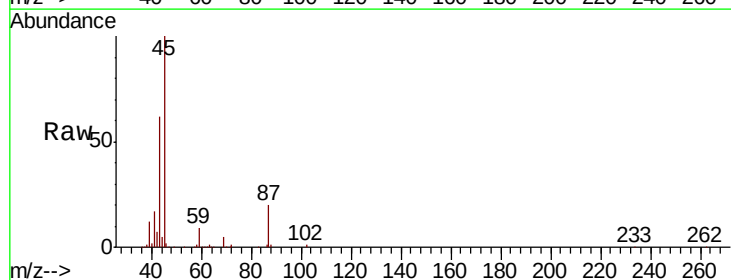
Ion Ratio Lower Upper

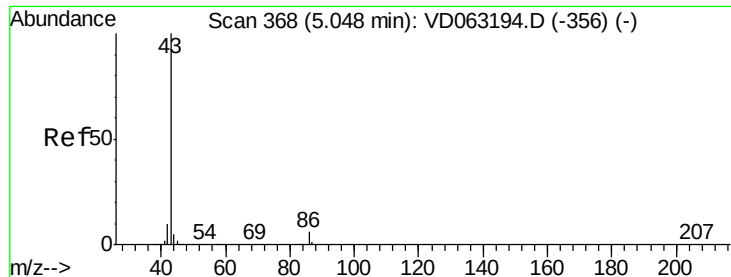
45 100

43 62.2 51.7 77.5

87 19.8 14.6 21.8

59 8.9 6.6 10.0





#23

Vinyl Acetate

Concen: 220.253 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

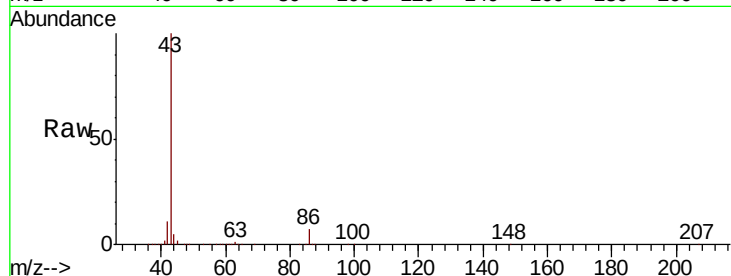
ClientSampled :

Tot Ion: 43 Resp: 3058721

Ion Ratio Lower Upper

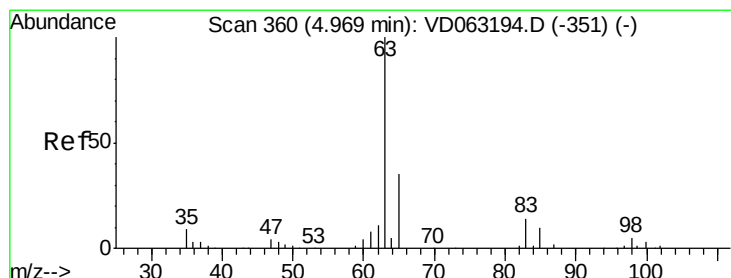
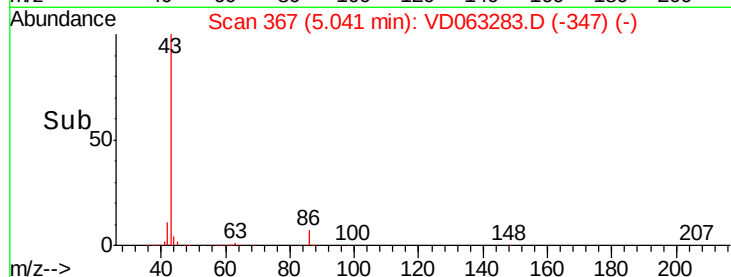
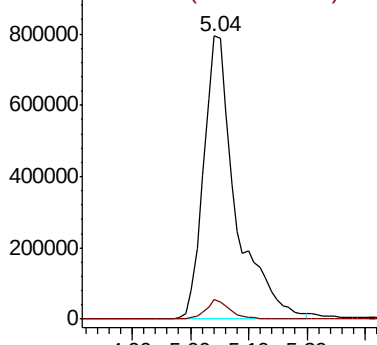
43 100

86 6.9 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: 44.021 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

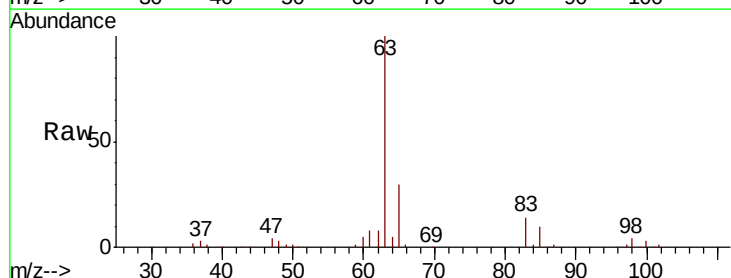
Tgt Ion: 63 Resp: 635254

Ion Ratio Lower Upper

63 100

98 3.7 2.8 8.4

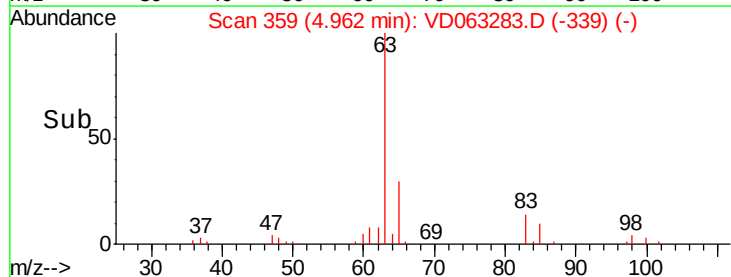
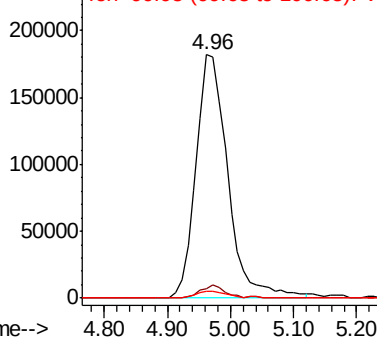
100 2.8 1.3 3.9

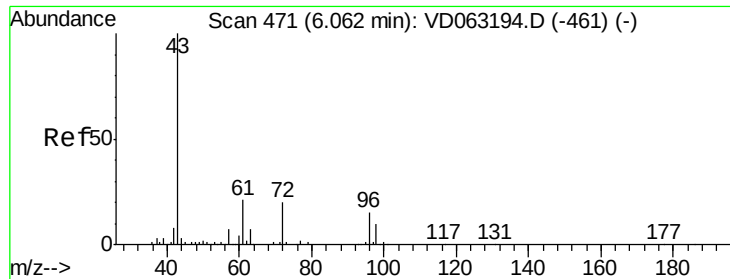


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 216.417 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

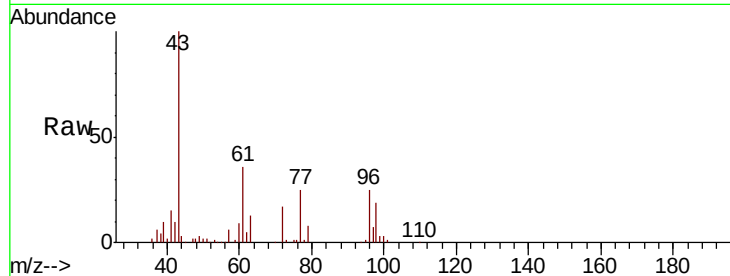
ClientSampleId :

Tot Ion: 43 Resp: 429719

Ion Ratio Lower Upper

43 100

72 16.8 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

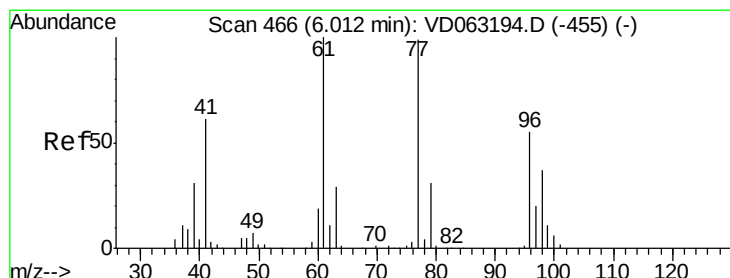
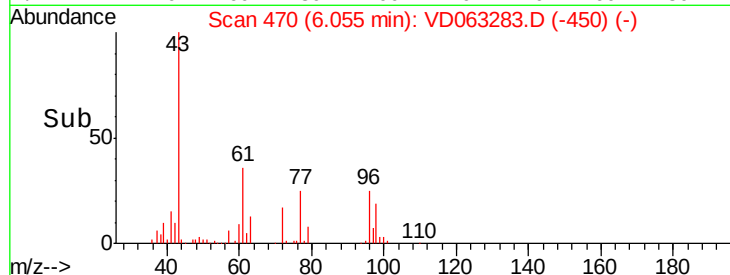
100000

50000

0

6.05

Time-->



#26

2,2-Dichloropropane

Concen: 45.600 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063283.D

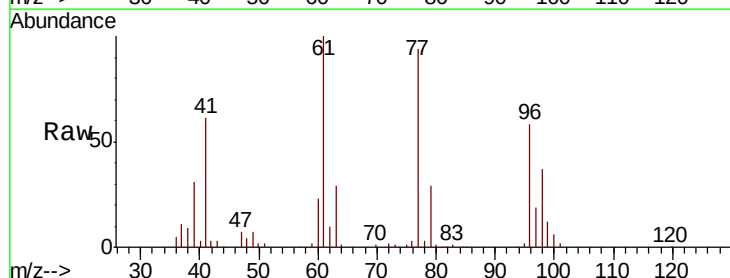
Acq: 31 Jul 2019 17:09

Tgt Ion: 77 Resp: 678139

Ion Ratio Lower Upper

77 100

97 20.1 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

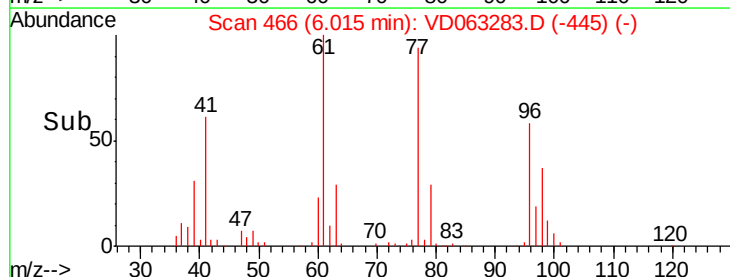
100000

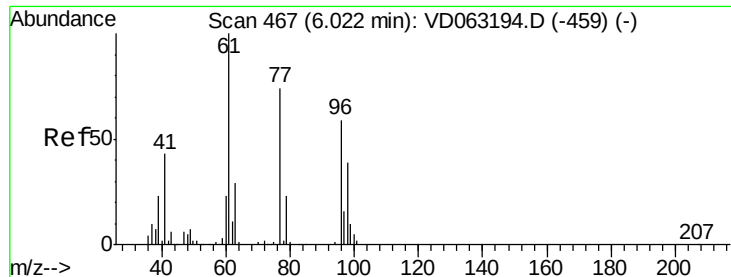
50000

0

6.02

Time-->



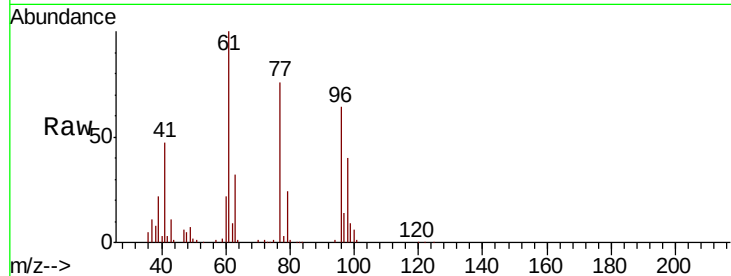


#27

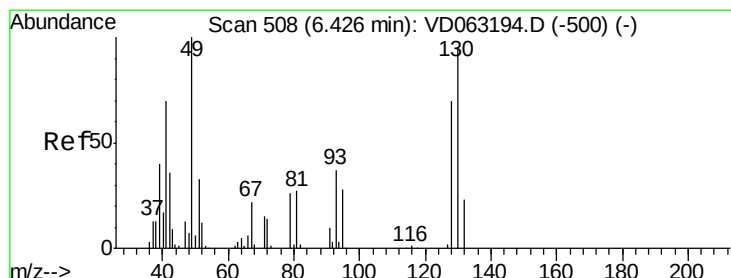
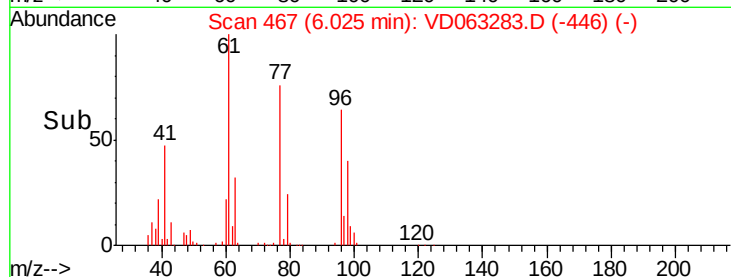
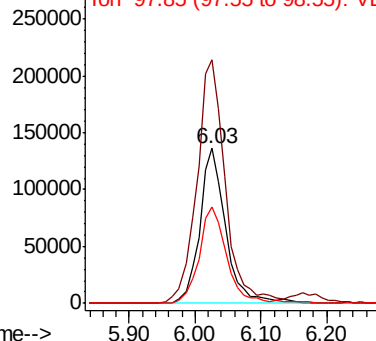
cis-1,2-Dichloroethene
 Concen: 43.963 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	375407
Ion Ratio	Lower	Upper	
96	100		
61	157.0	0.0	337.2
98	62.2	0.0	130.6



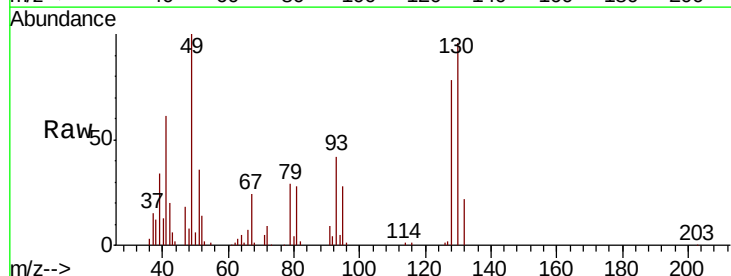
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



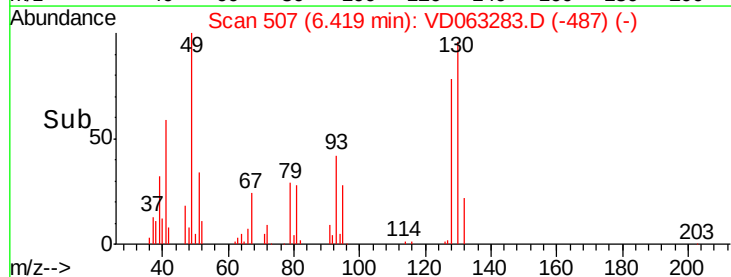
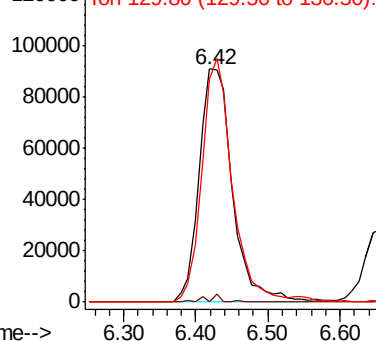
#28

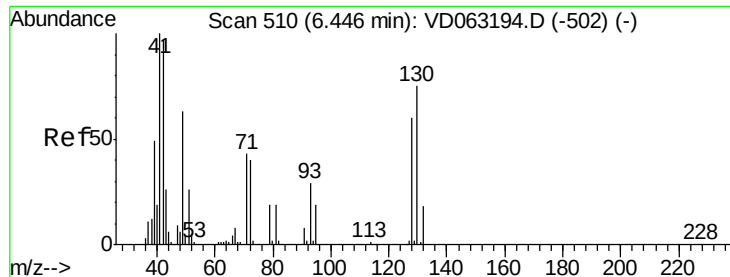
Bromochloromethane
 Concen: 50.968 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion	49	Resp	293049
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	0.0
130	95.9	75.7	113.5



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





#29

Tetrahydrofuran

Concen: 203.740 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

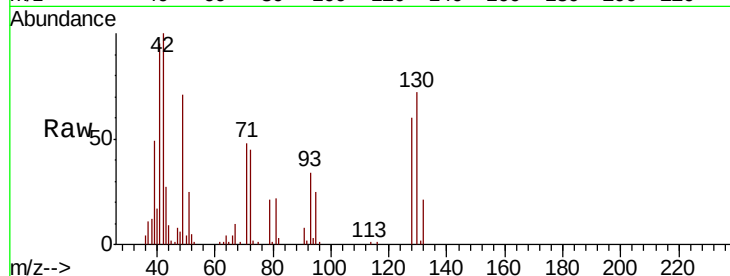
Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

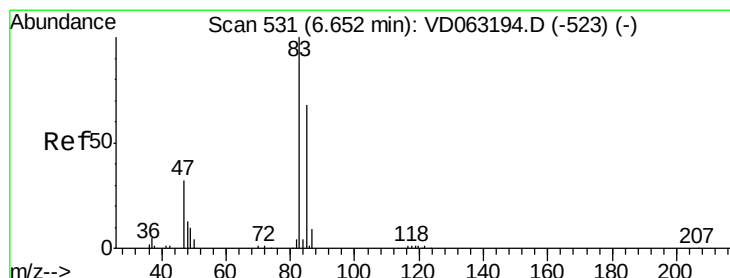
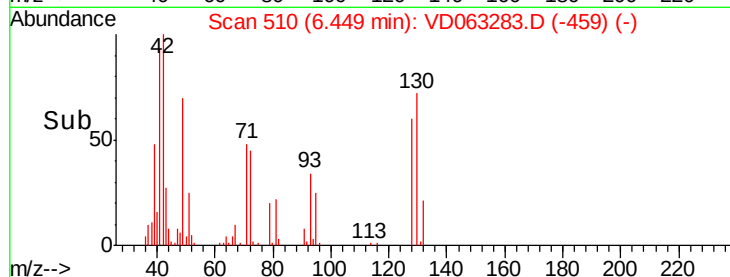
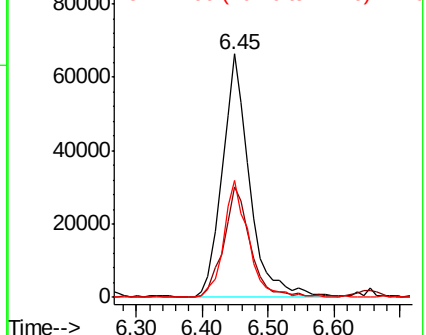
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 191532

Ion	Ratio	Lower	Upper
42	100		
72	45.1	33.4	50.2
71	43.8	35.7	53.5



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



#30

Chloroform

Concen: 46.290 ug/l

RT: 6.66 min Scan# 531

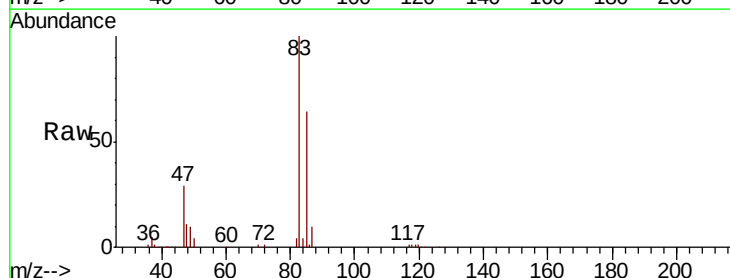
Delta R.T. 0.00 min

Lab File: VD063283.D

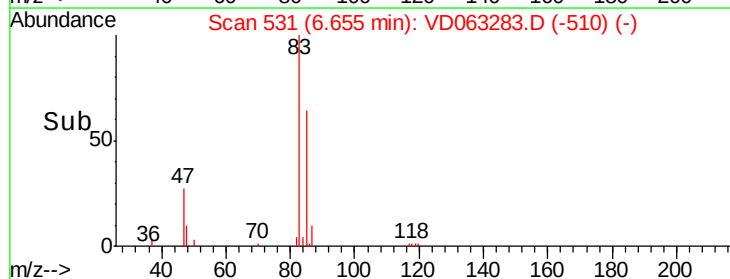
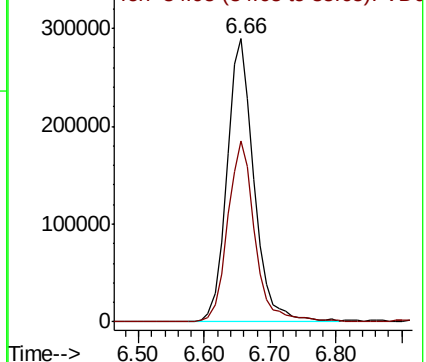
Acq: 31 Jul 2019 17:09

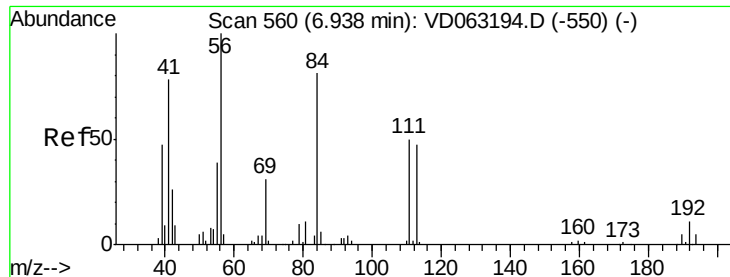
Tgt Ion: 83 Resp: 829000

Ion	Ratio	Lower	Upper
83	100		
85	64.0	54.2	81.4



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

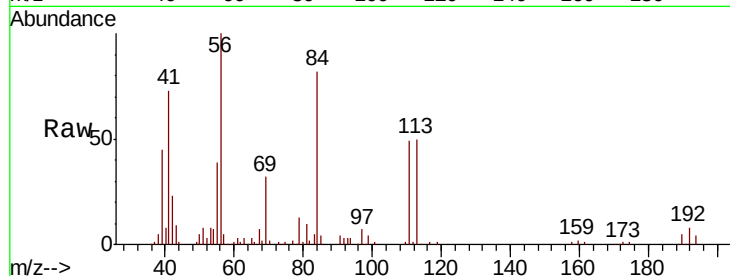




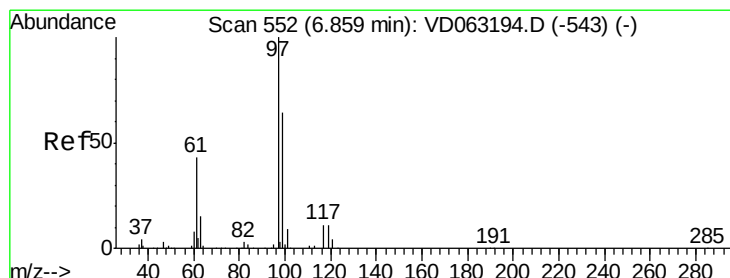
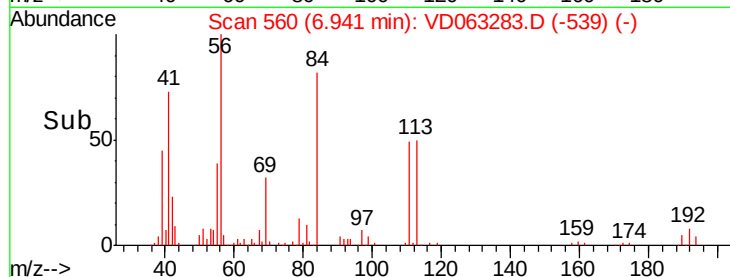
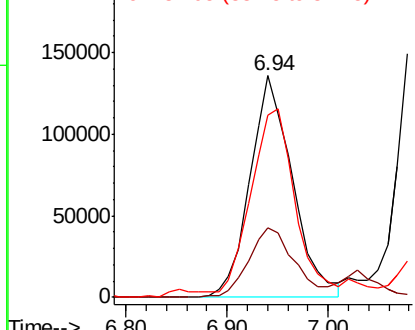
#31
Cyclohexane
Concen: 43.829 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 396449
Ion Ratio Lower Upper
56 100
69 31.7 24.5 36.7
84 82.4 64.9 97.3

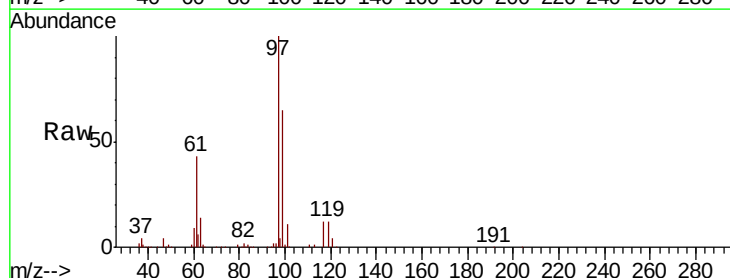


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

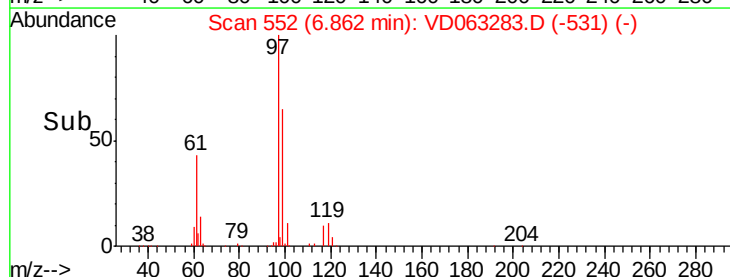
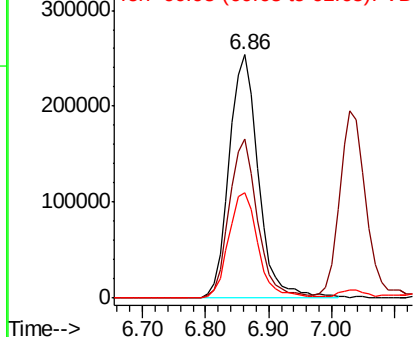


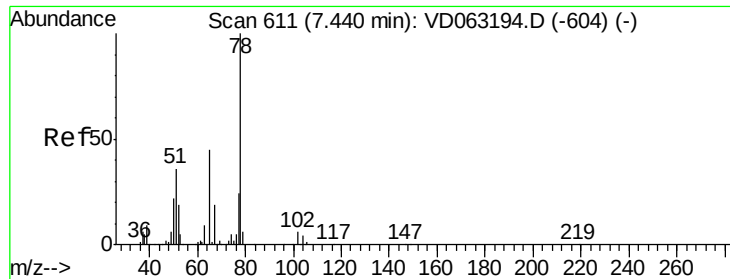
#32
1,1,1-Trichloroethane
Concen: 46.815 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 97 Resp: 810952
Ion Ratio Lower Upper
97 100
99 65.2 51.2 76.8
61 43.2 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

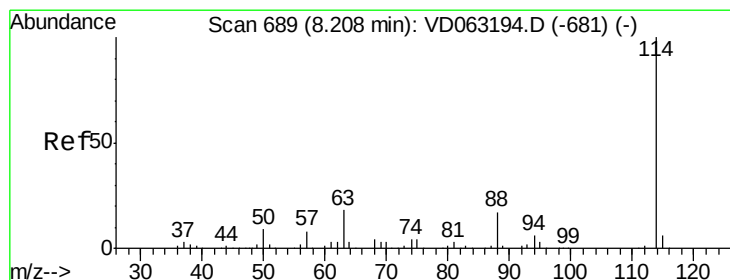
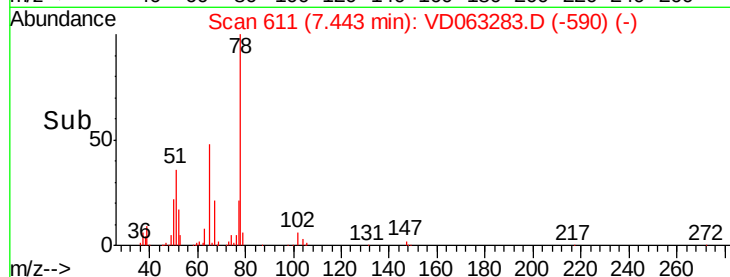
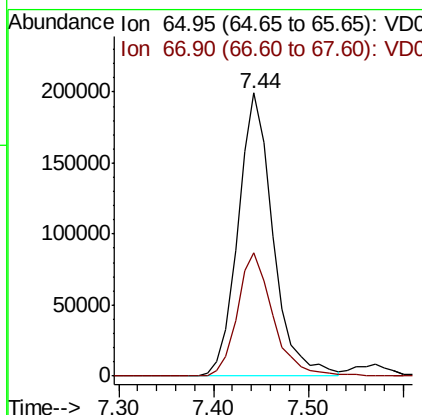
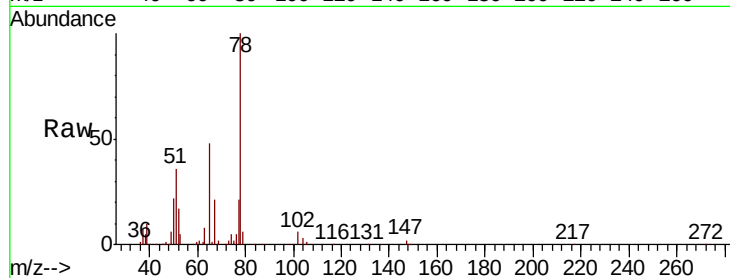




#33
 1,2-Dichloroethane-d4
 Concen: 50.049 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

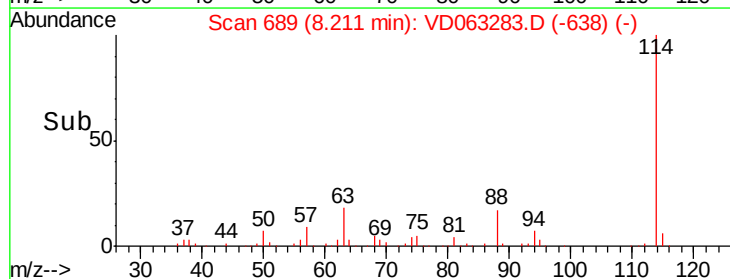
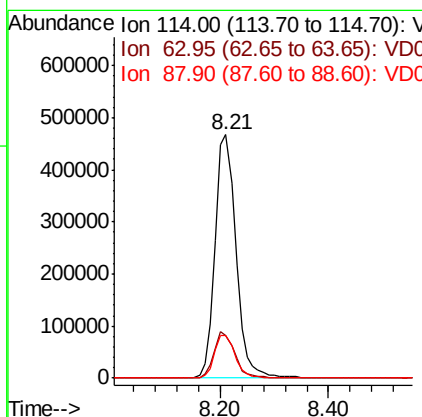
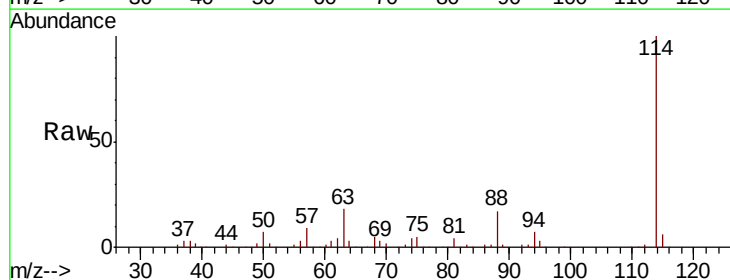
Instrument :
 MSVOA_D
 ClientSampled :

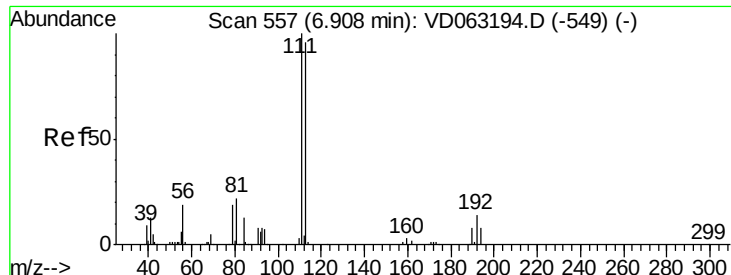
Tot Ion: 65 Resp: 508222
 Ion Ratio Lower Upper
 65 100
 67 43.8 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion: 114 Resp: 1257039
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 17.4 0.0 34.6

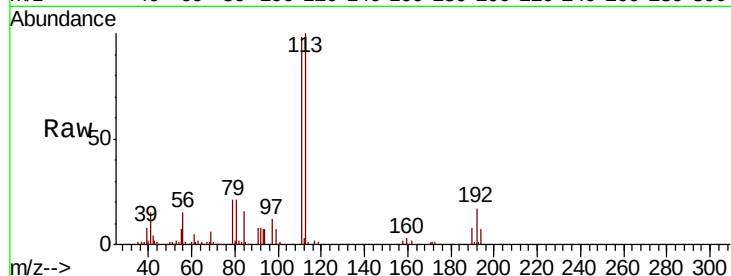




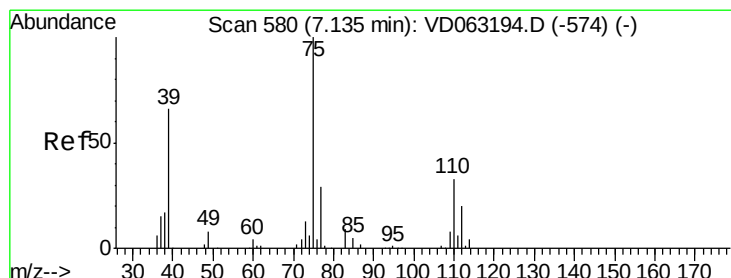
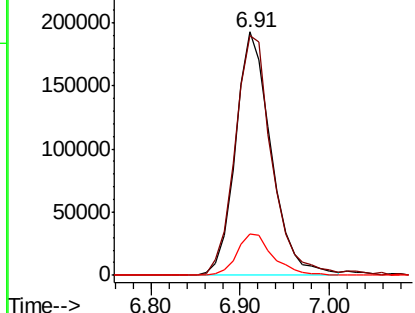
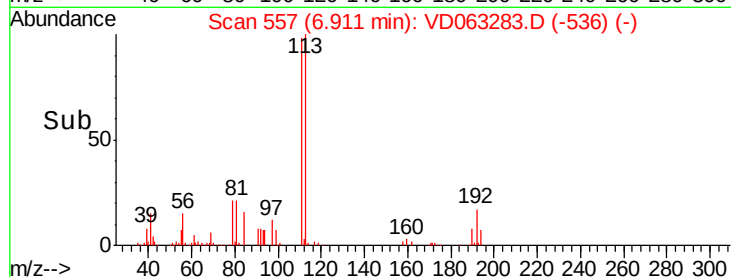
#35
 Dibromofluoromethane
 Concen: 49.734 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.4	83.2	124.8
192	17.1	11.8	17.8

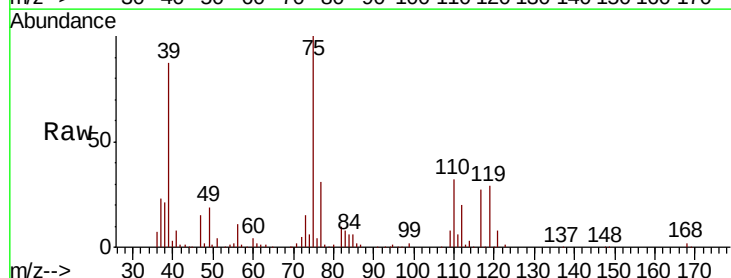


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

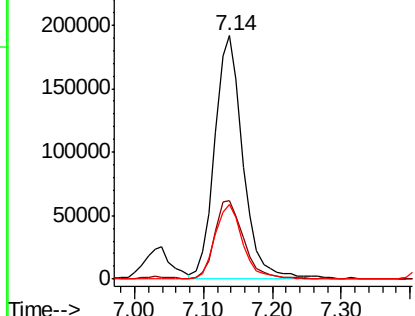
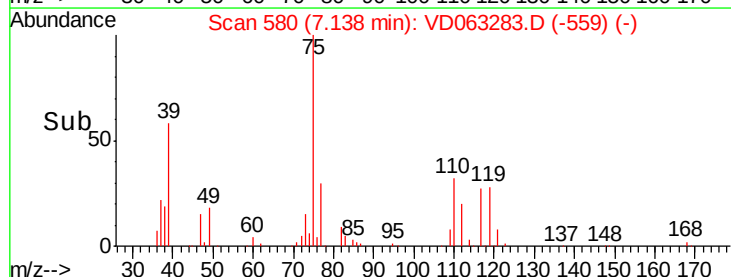


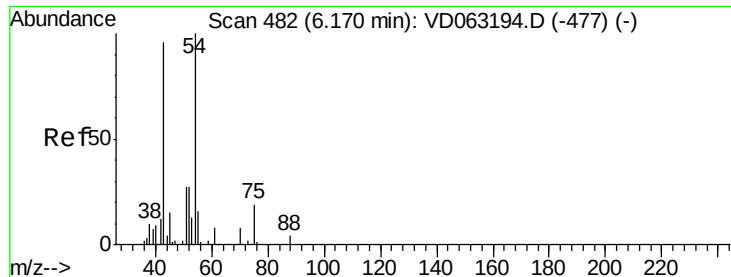
#36
 1,1-Dichloropropene
 Concen: 47.010 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.1	48.2
77	30.6	22.7	34.1



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

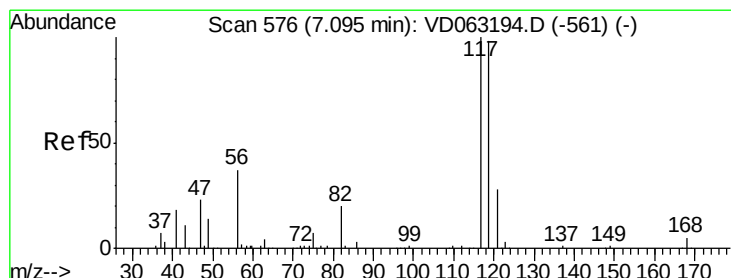
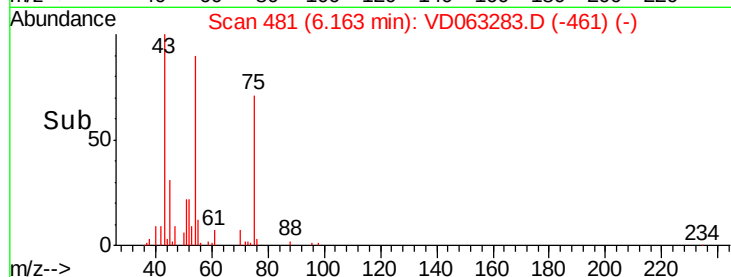
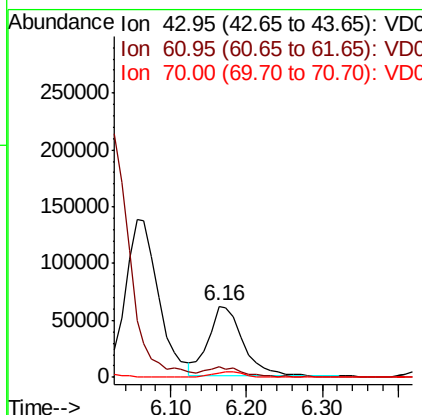
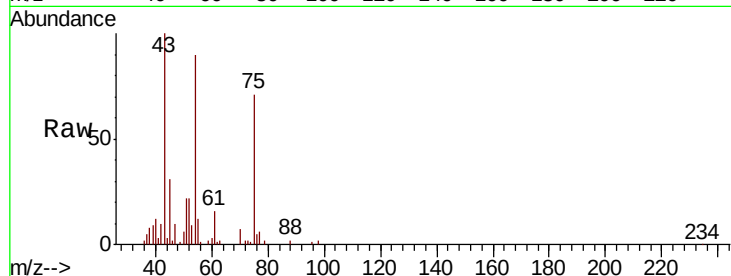




#37
Ethyl Acetate
Concen: 38.023 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

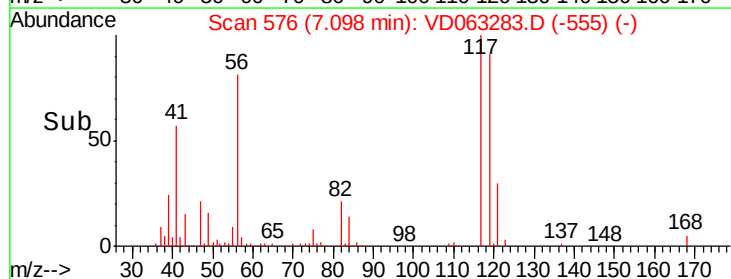
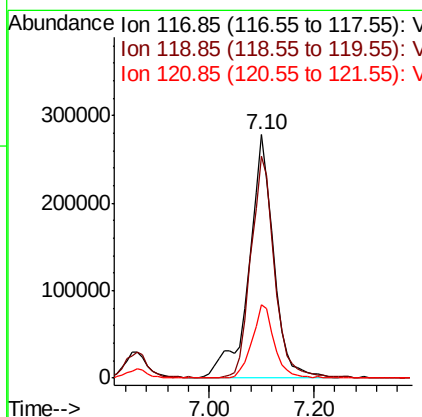
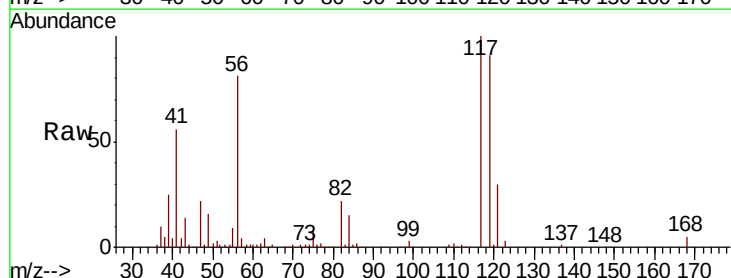
Instrument :
MSVOA_D
ClientSampleID :

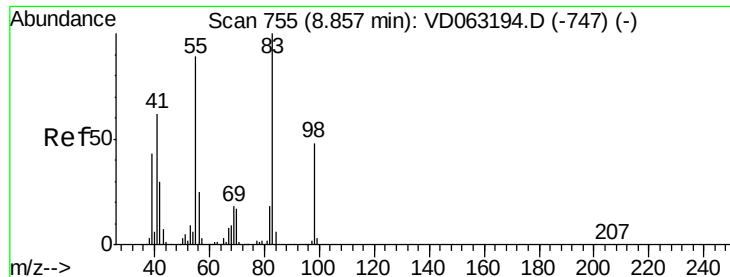
Tot Ion: 43 Resp: 195967
Ion Ratio Lower Upper
43 100
61 15.8 11.3 16.9
70 6.7 5.1 7.7



#38
Carbon Tetrachloride
Concen: 51.367 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 117 Resp: 887150
Ion Ratio Lower Upper
117 100
119 91.0 78.2 117.2
121 30.3 22.1 33.1

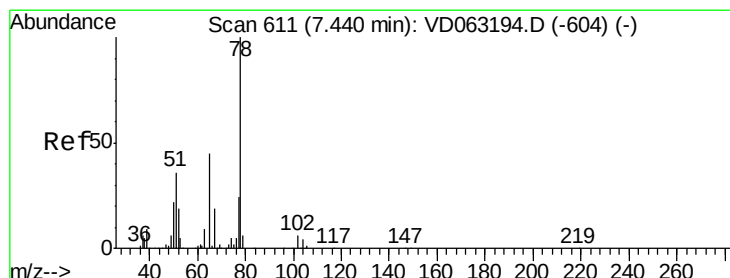
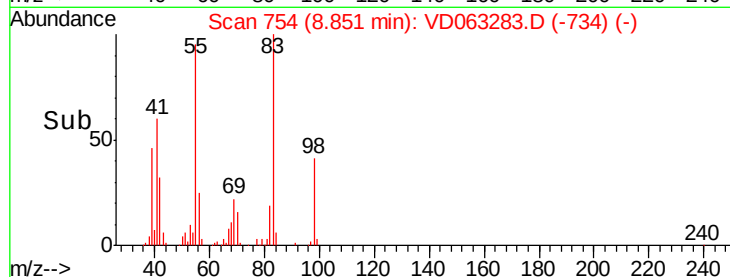
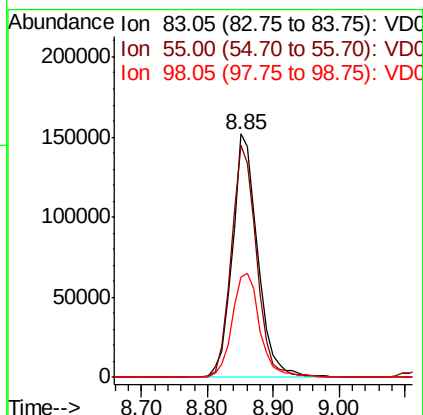
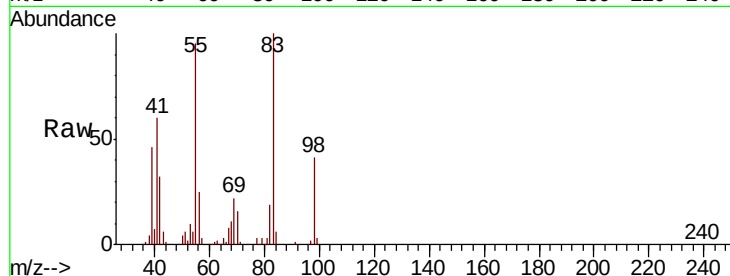




#39
Methylvlcyclohexane
Concen: 43.038 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

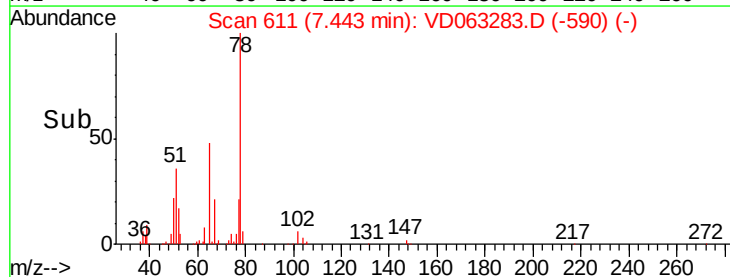
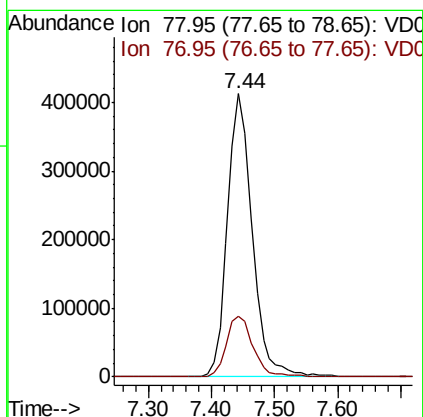
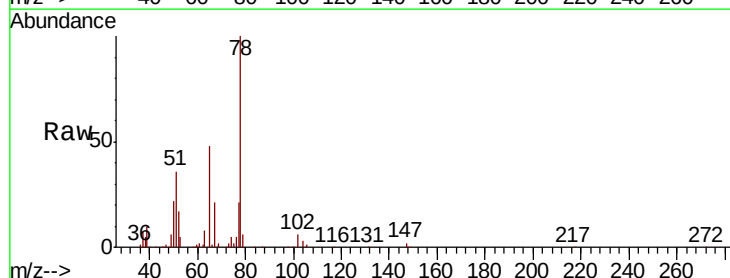
Instrument :
MSVOA_D
ClientSampleId :

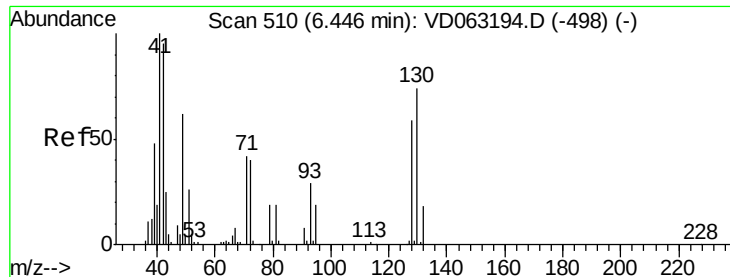
Tot Ion: 83 Resp: 411365
Ion Ratio Lower Upper
83 100
55 95.3 71.1 106.7
98 41.4 38.5 57.7



#40
Benzene
Concen: 46.576 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 78 Resp: 1119847
Ion Ratio Lower Upper
78 100
77 21.4 19.4 29.2





#41

Methacrylonitrile

Concen: 43.634 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 269011

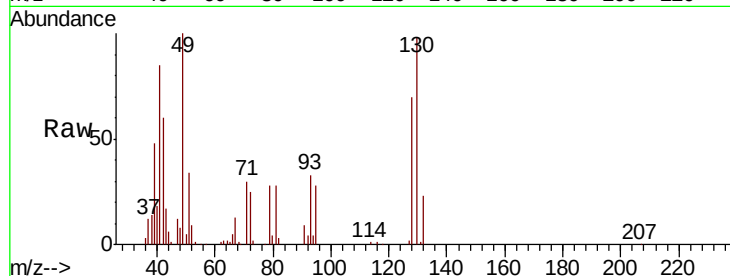
Ion Ratio Lower Upper

41 100

39 56.3 38.4 57.6

67 15.3 6.7 10.1#

52 10.8 4.3 6.5#

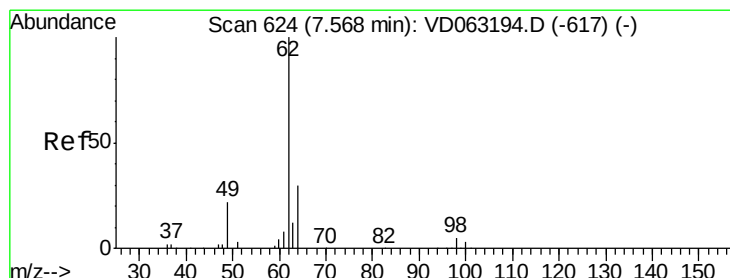
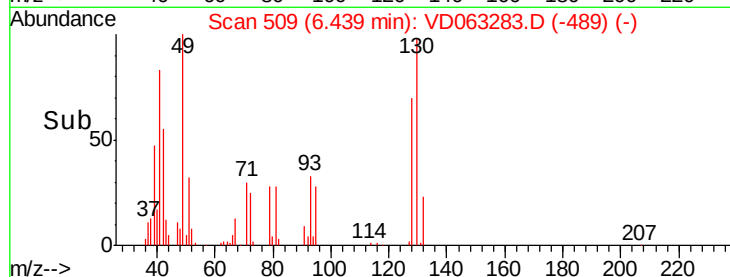
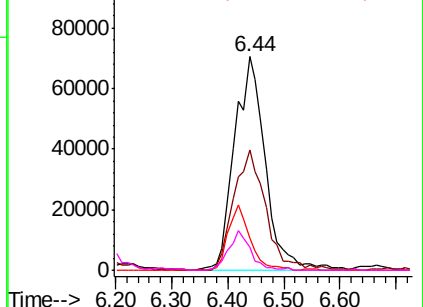


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 48.140 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063283.D

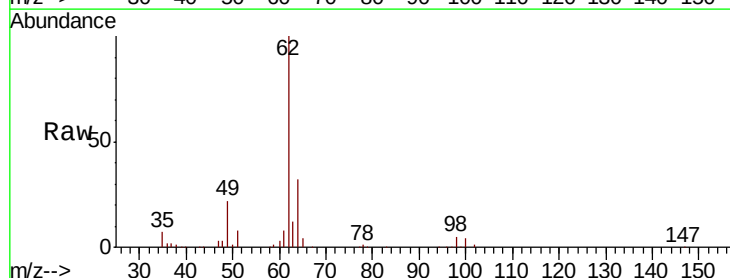
Acq: 31 Jul 2019 17:09

Tgt Ion: 62 Resp: 613417

Ion Ratio Lower Upper

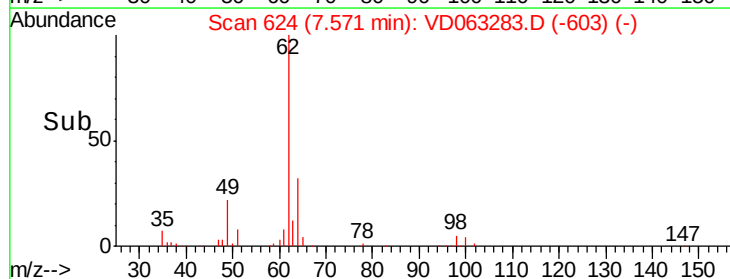
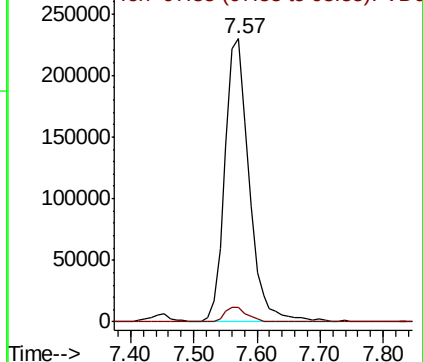
62 100

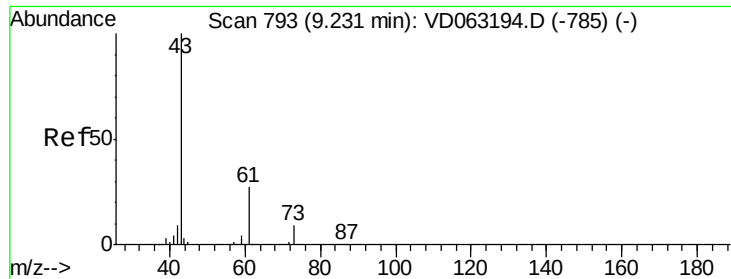
98 5.2 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 44.700 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

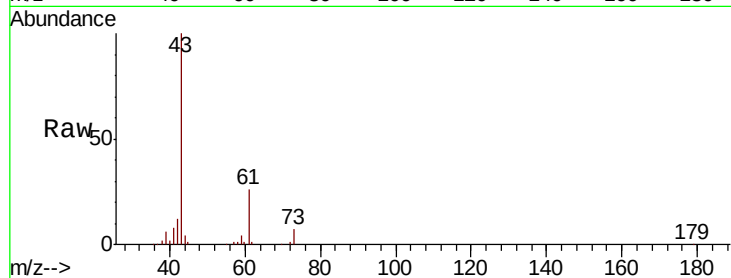
Tot Ion: 43 Resp: 294290

Ion Ratio Lower Upper

43 100

61 26.4 21.4 32.0

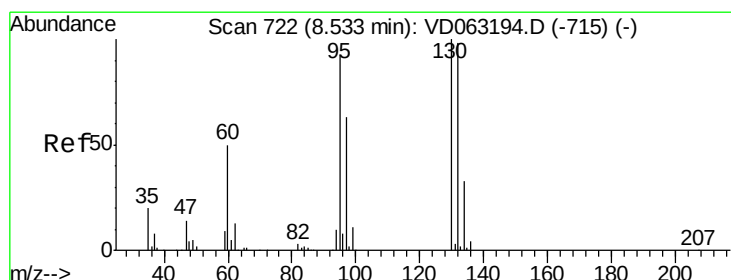
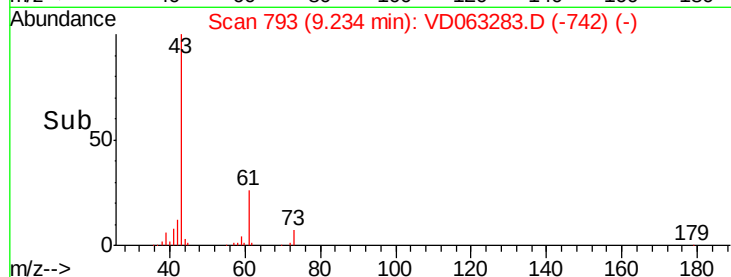
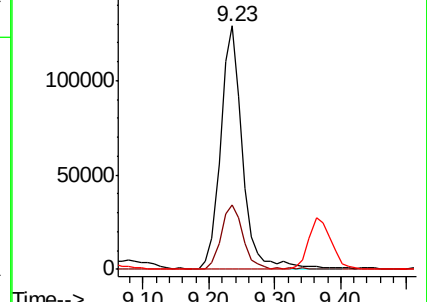
87 0.0 0.2 0.4#



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: 46.312 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063283.D

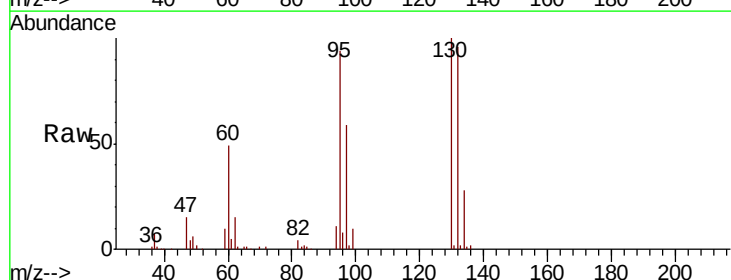
Acq: 31 Jul 2019 17:09

Tgt Ion:130 Resp: 451197

Ion Ratio Lower Upper

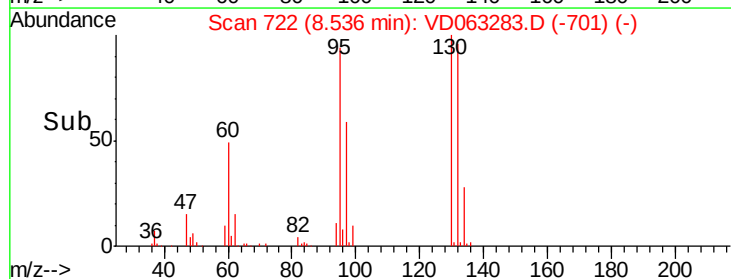
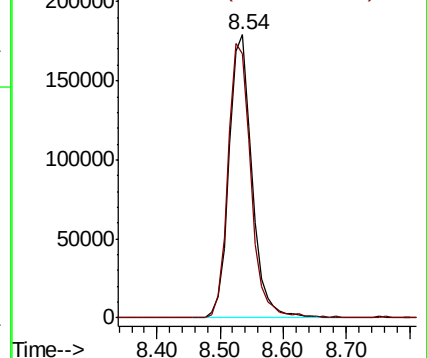
130 100

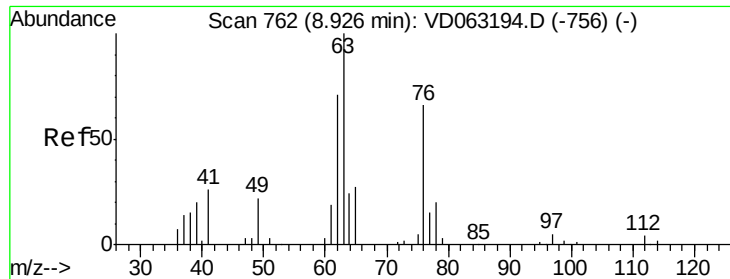
95 93.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

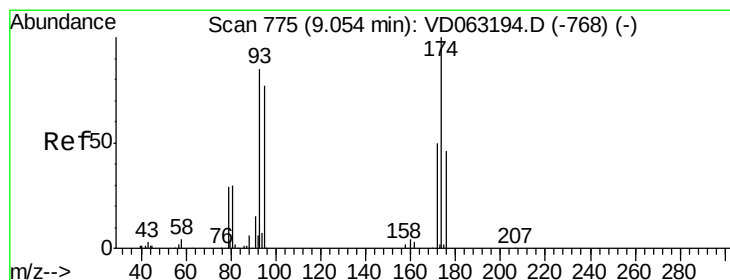
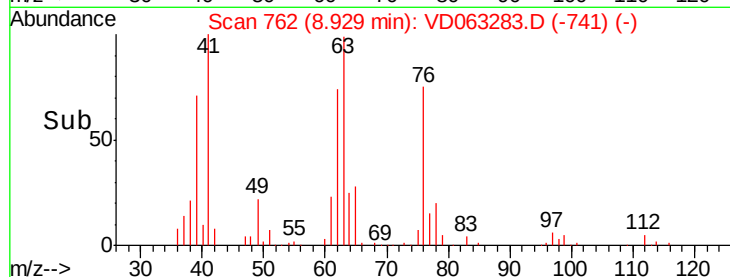
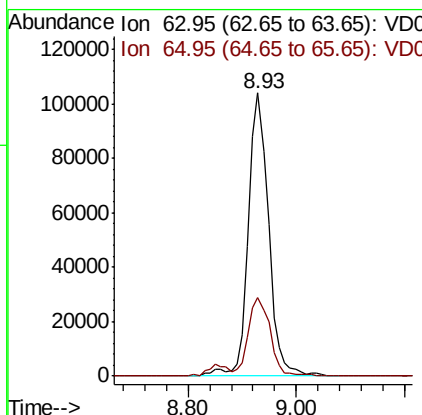
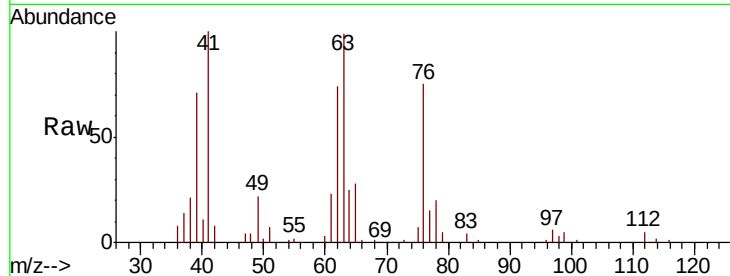




#45
 1,2-Dichloropropane
 Concen: 44.104 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

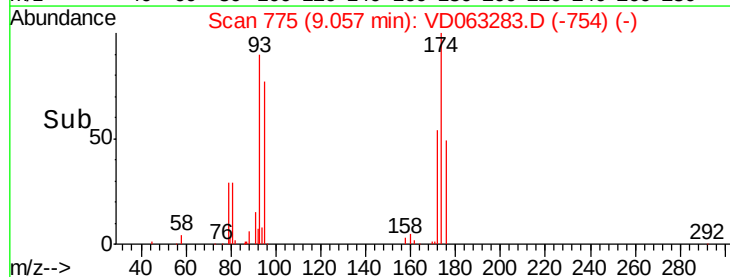
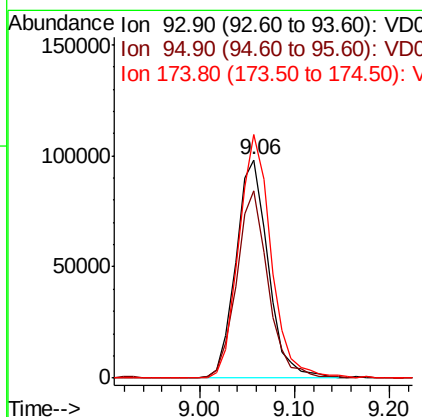
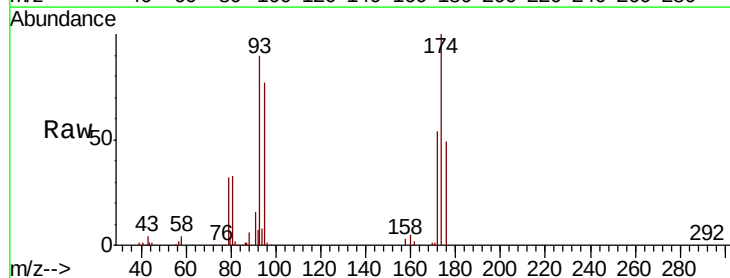
Instrument :
 MSVOA_D
 ClientSampleId :

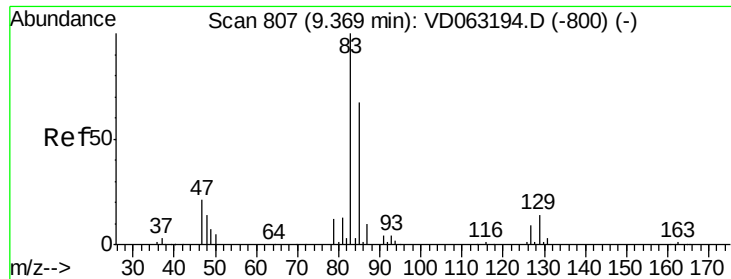
Tot Ion: 63 Resp: 269528
 Ion Ratio Lower Upper
 63 100
 65 27.8 23.6 35.4



#46
 Dibromomethane
 Concen: 45.759 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion: 93 Resp: 232520
 Ion Ratio Lower Upper
 93 100
 95 85.8 72.8 109.2
 174 111.4 94.4 141.6





#47

Bromodichloromethane

Concen: 48.946 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

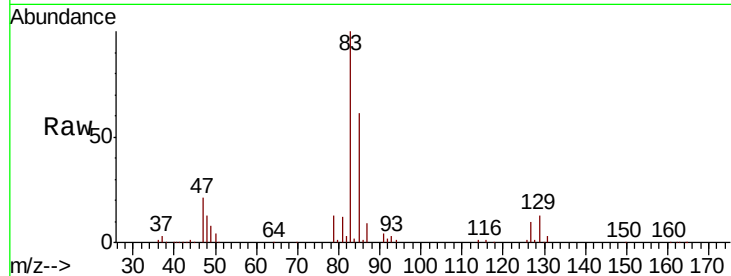
Tot Ion: 83 Resp: 633994

Ion Ratio Lower Upper

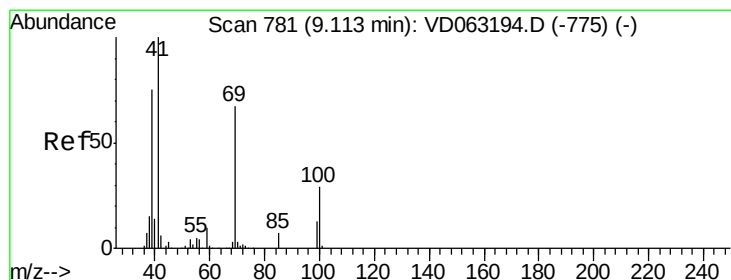
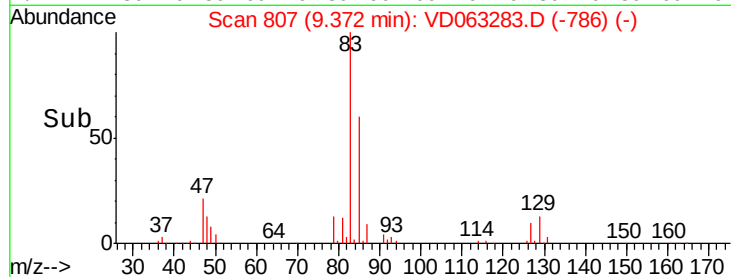
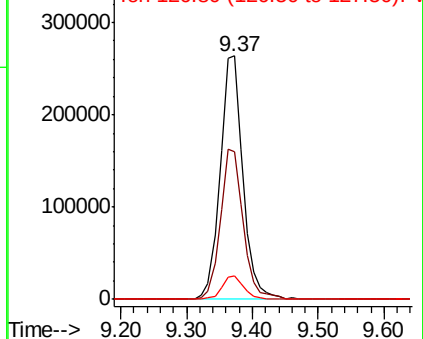
83 100

85 60.7 53.6 80.4

127 9.5 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: 45.168 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

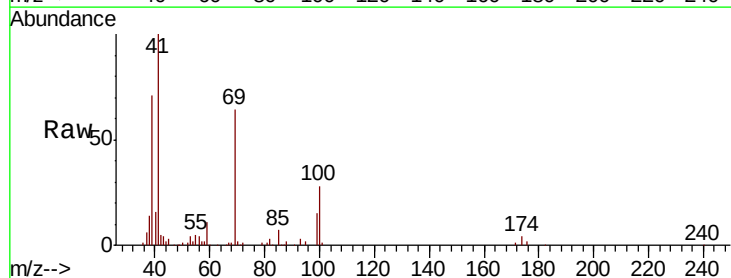
Tgt Ion: 41 Resp: 192864

Ion Ratio Lower Upper

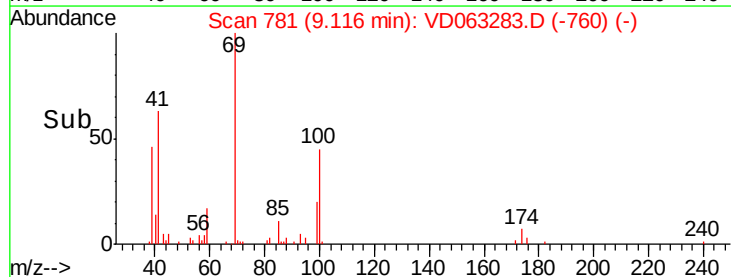
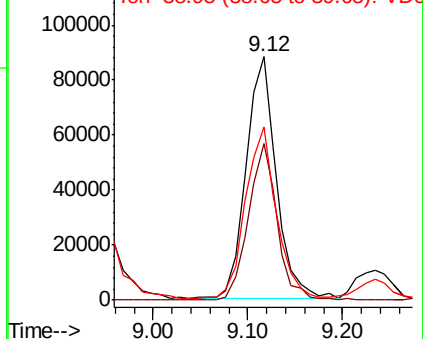
41 100

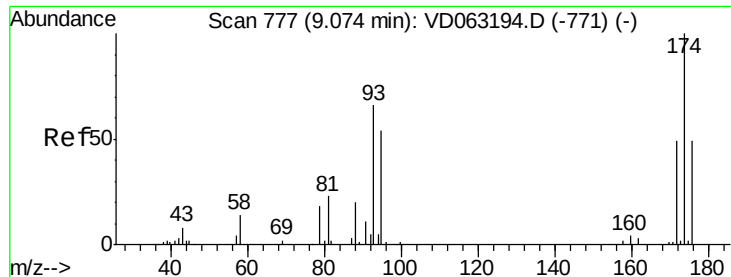
69 64.4 53.4 80.0

39 71.2 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

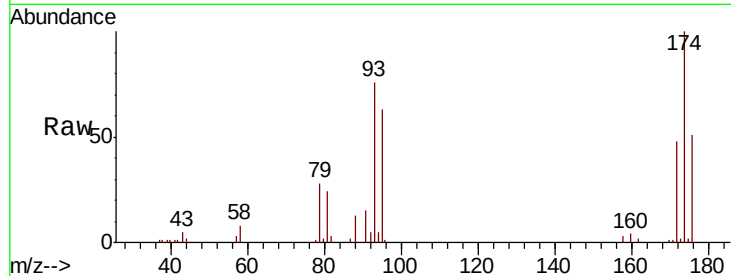




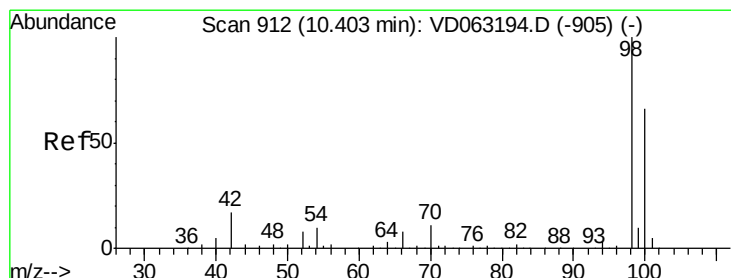
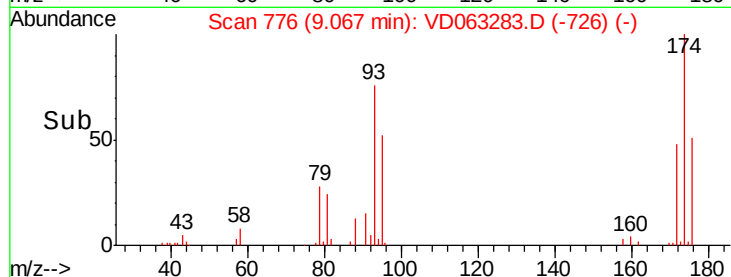
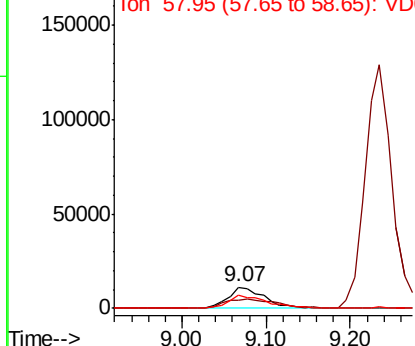
#49
1,4-Dioxane
Concen: 928.413 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 33592
Ion Ratio Lower Upper
88 100
43 40.1 30.7 46.1
58 64.4 56.5 84.7

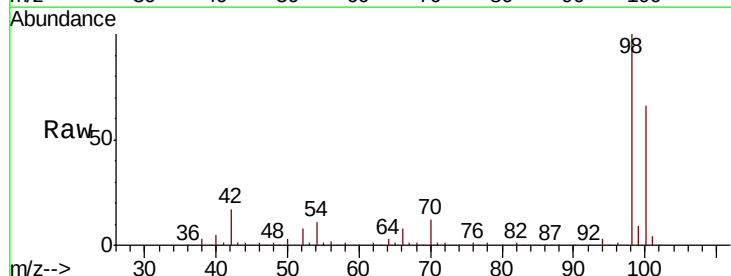


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

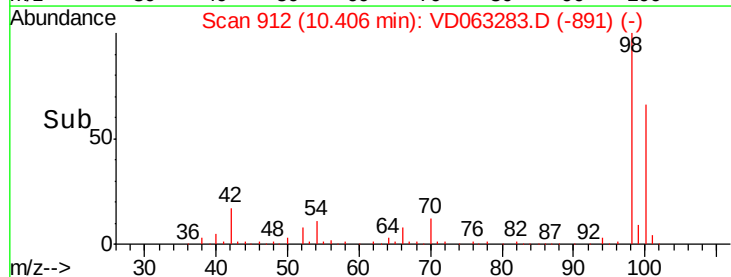
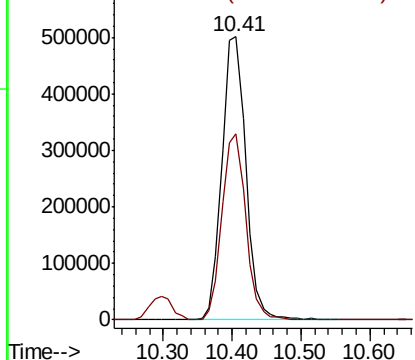


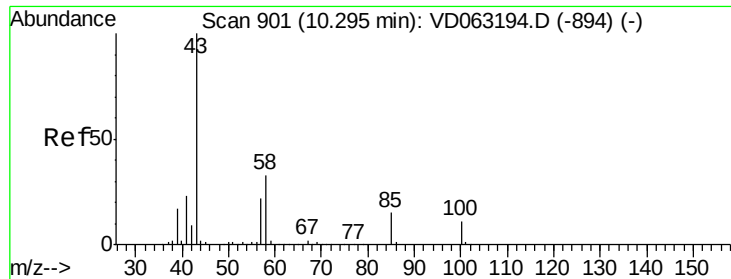
#50
Toluene-d8
Concen: 50.415 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 98 Resp: 1210923
Ion Ratio Lower Upper
98 100
100 65.8 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: 217.149 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

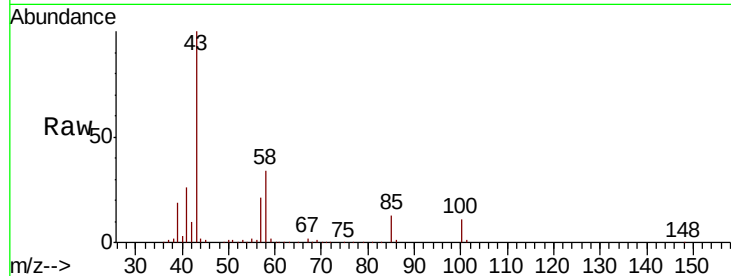
ClientSampleId :

Tot Ion: 43 Resp: 972263

Ion Ratio Lower Upper

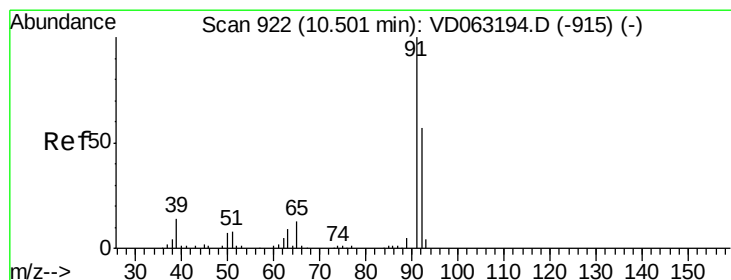
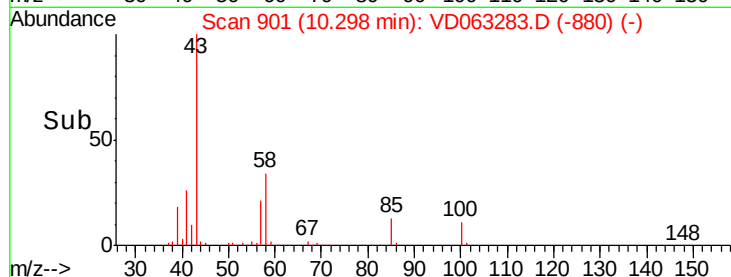
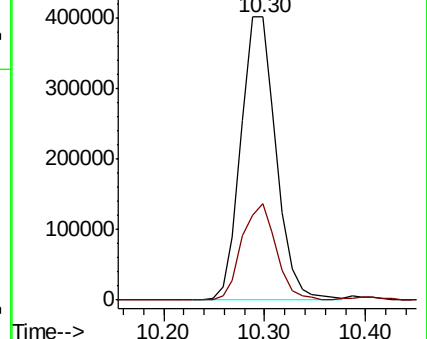
43 100

58 34.1 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.669 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063283.D

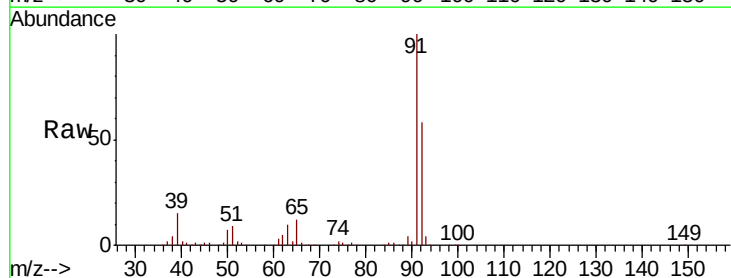
Acq: 31 Jul 2019 17:09

Tgt Ion: 92 Resp: 746292

Ion Ratio Lower Upper

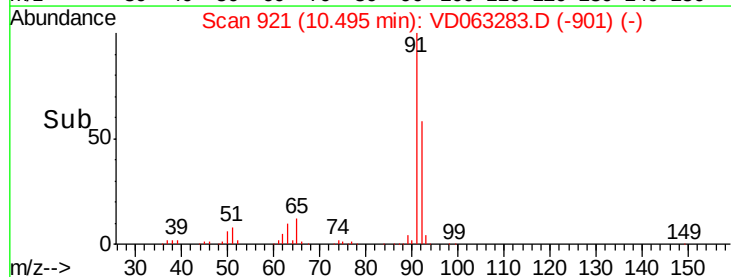
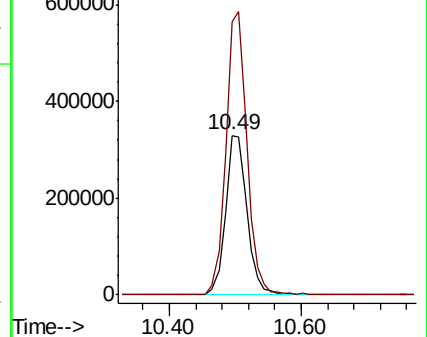
92 100

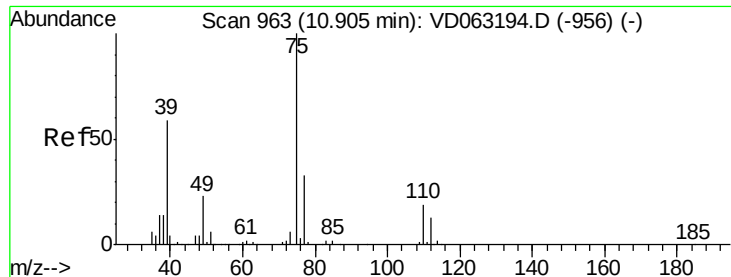
91 171.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 46.041 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

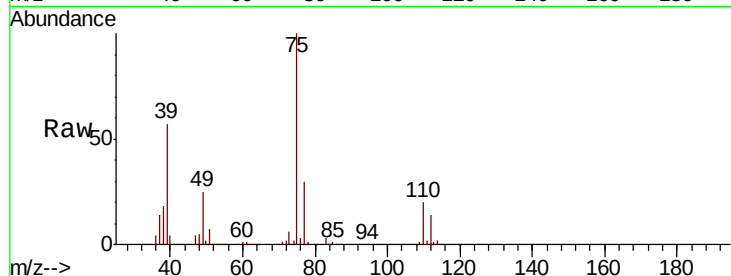
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 514151

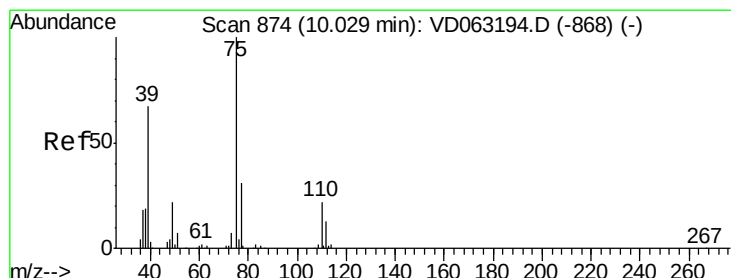
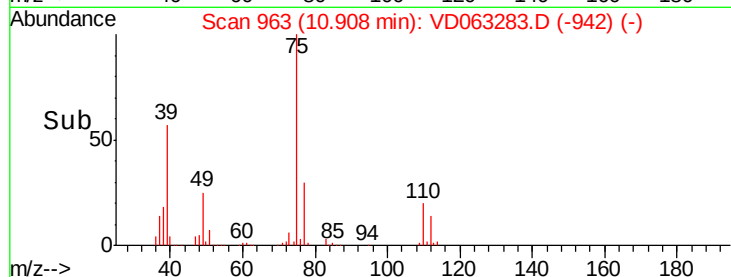
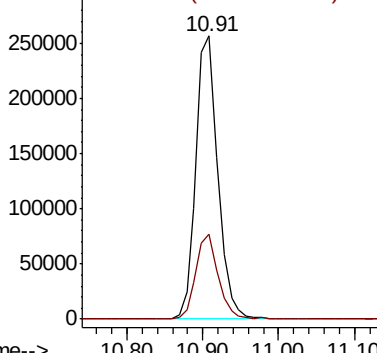
Ion Ratio Lower Upper

75 100

77 29.9 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: 45.024 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

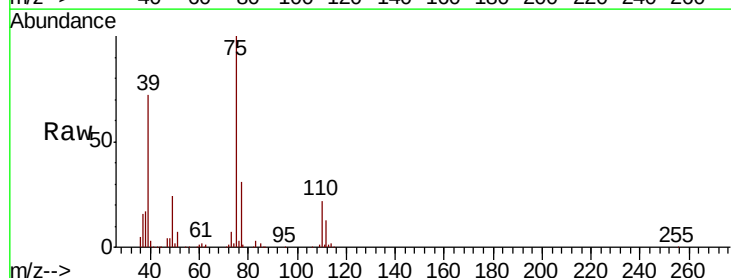
Tgt Ion: 75 Resp: 528423

Ion Ratio Lower Upper

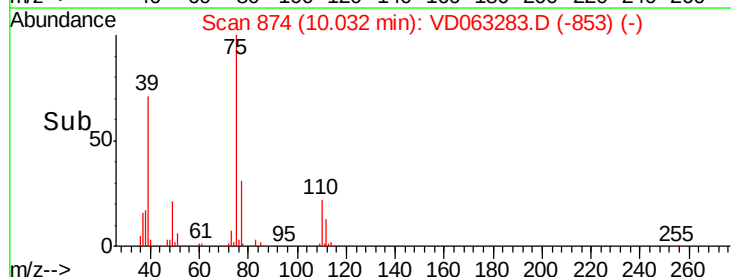
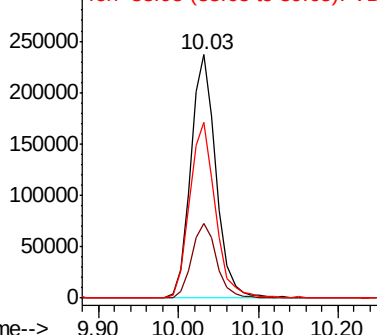
75 100

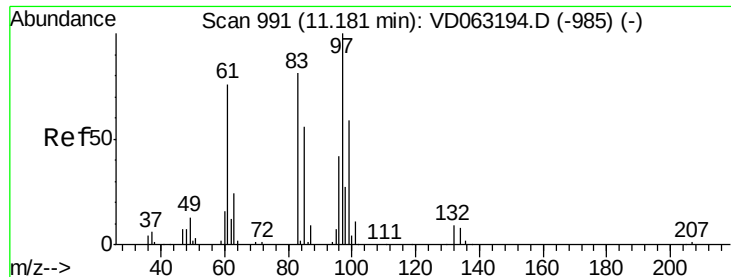
77 30.7 24.9 37.3

39 72.0 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

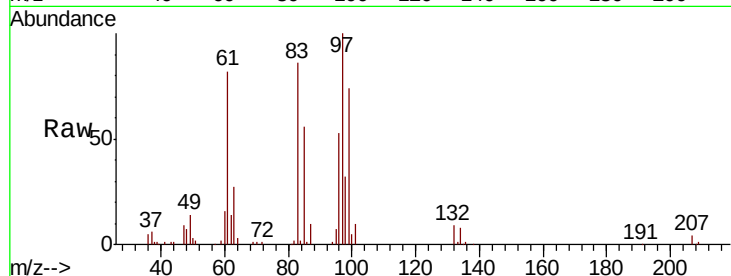




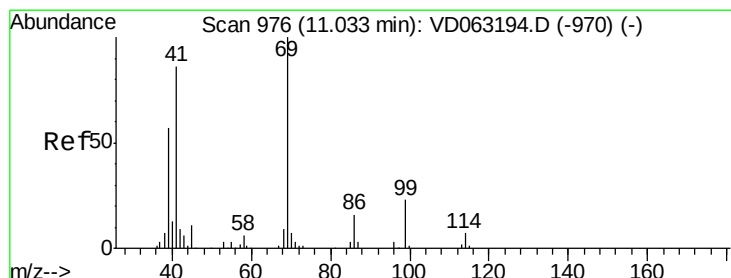
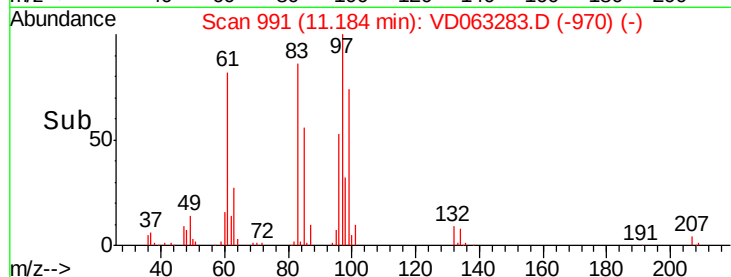
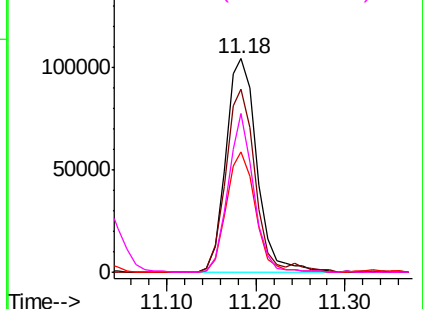
#55
1,1,2-Trichloroethane
Concen: 47.451 ug/l
RT: 11.18 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 256272
Ion Ratio Lower Upper
97 100
83 85.6 64.8 97.2
85 56.0 44.9 67.3
99 74.2 47.2 70.8#

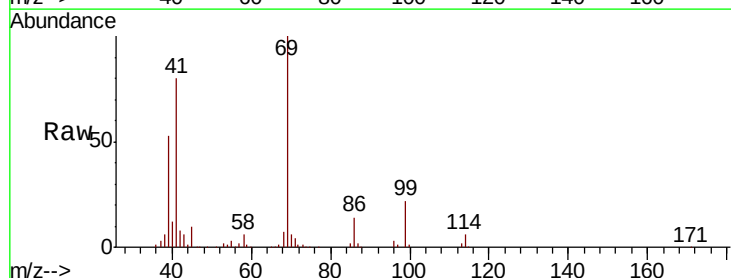


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

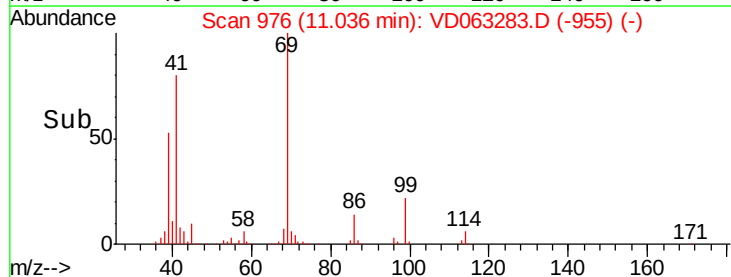
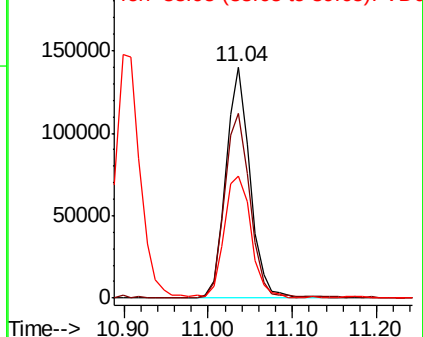


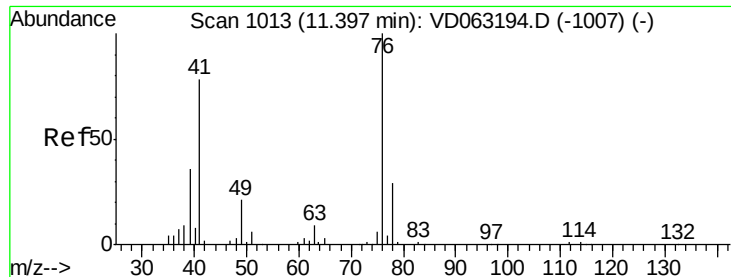
#56
Ethyl methacrylate
Concen: 47.040 ug/l
RT: 11.04 min Scan# 976
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 69 Resp: 278196
Ion Ratio Lower Upper
69 100
41 80.0 68.8 103.2
39 53.0 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: 45.778 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

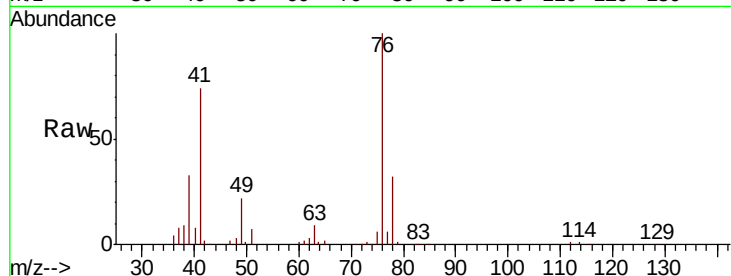
ClientSampleId :

Tot Ion: 76 Resp: 389542

Ion Ratio Lower Upper

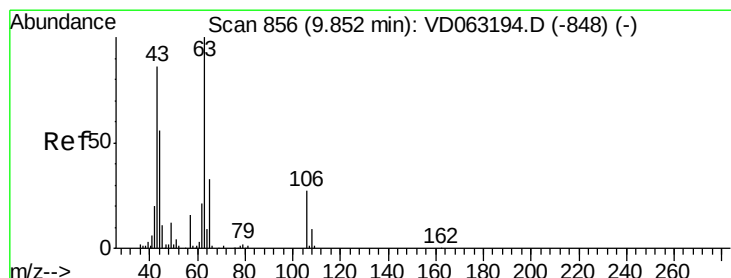
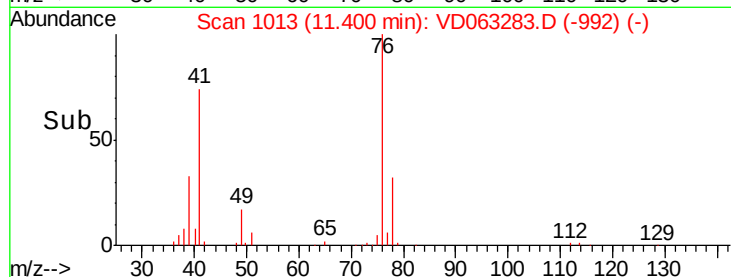
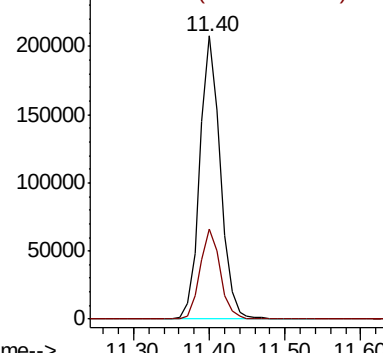
76 100

78 32.0 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 219.326 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063283.D

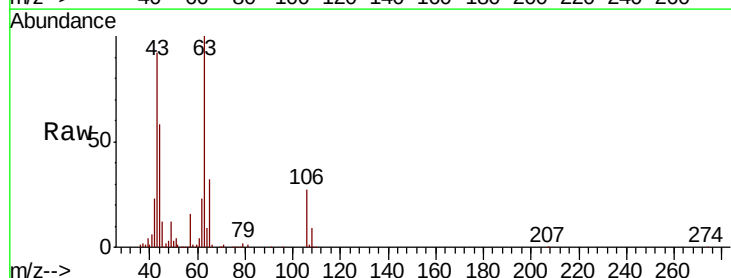
Acq: 31 Jul 2019 17:09

Tgt Ion: 63 Resp: 674931

Ion Ratio Lower Upper

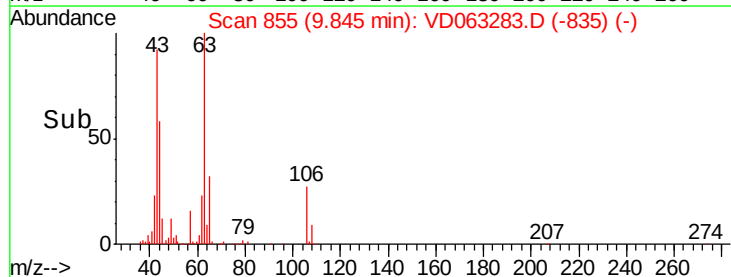
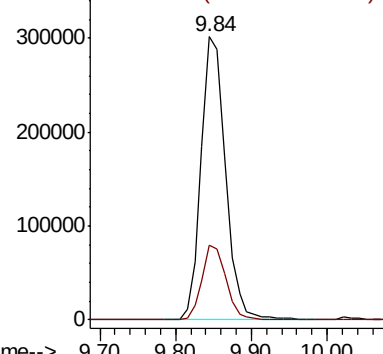
63 100

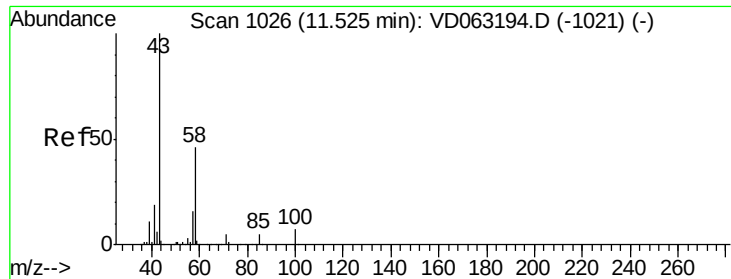
106 26.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

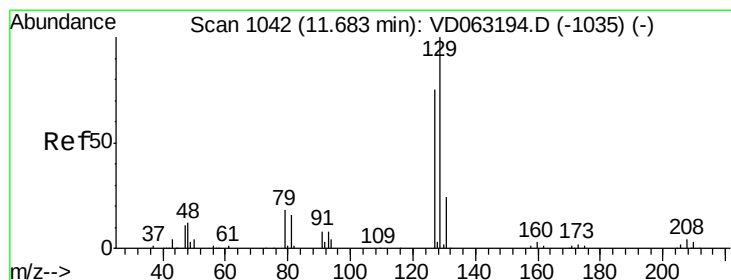
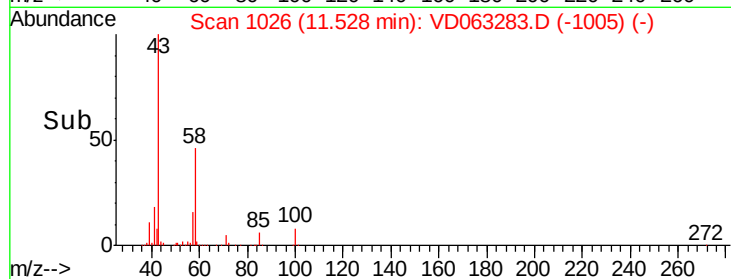
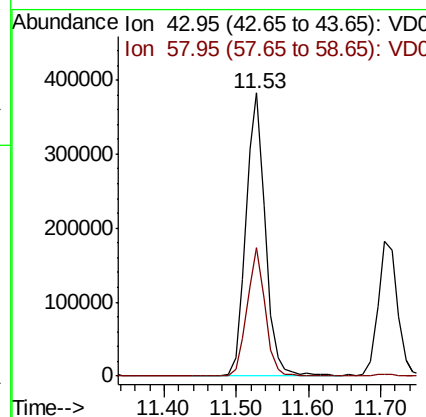
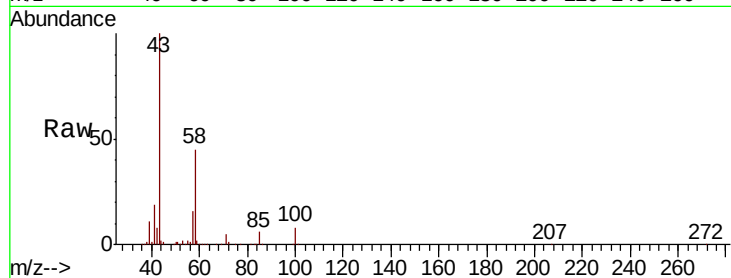




#59
2-Hexanone
Concen: 222.831 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

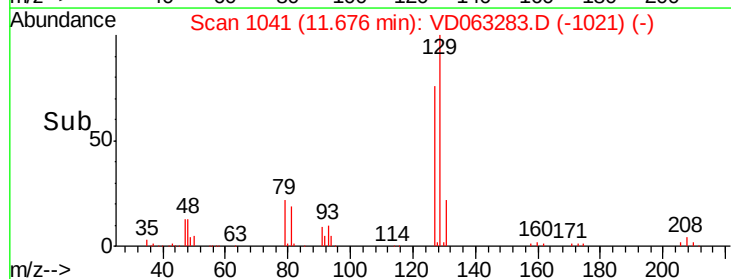
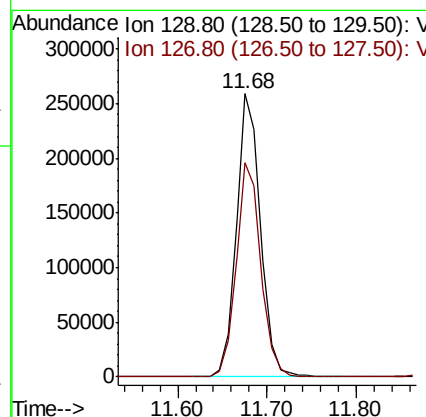
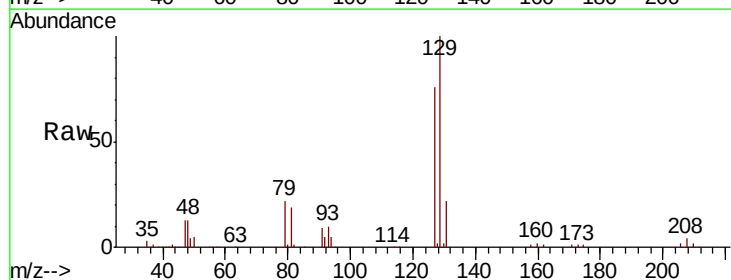
Instrument :
MSVOA_D
ClientSampleId :

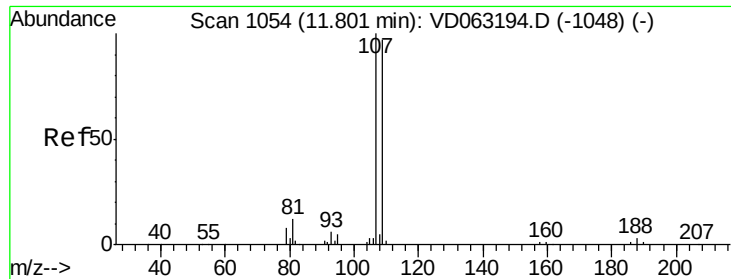
Tot Ion: 43 Resp: 718988
Ion Ratio Lower Upper
43 100
58 45.5 22.9 68.5



#60
Dibromochloromethane
Concen: 48.026 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 129 Resp: 489659
Ion Ratio Lower Upper
129 100
127 75.6 37.6 112.8

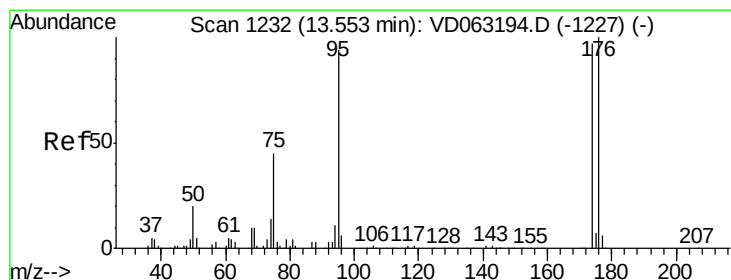
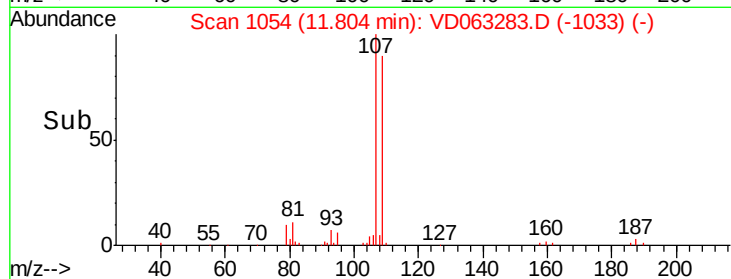
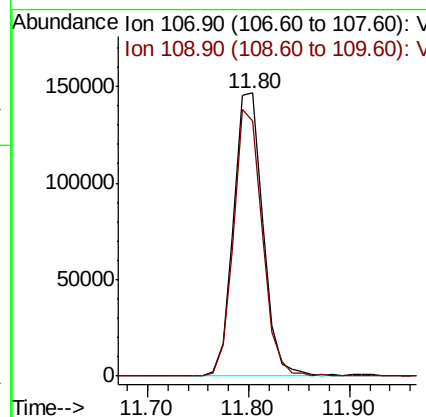
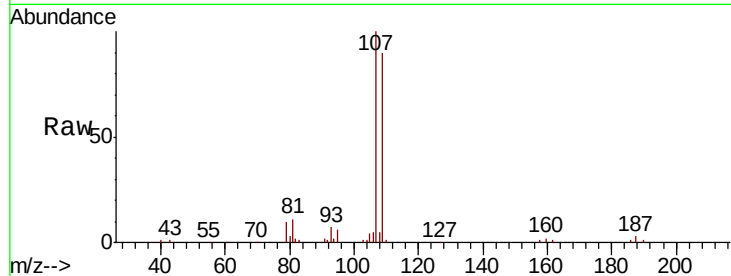




#61
 1,2-Dibromoethane
 Concen: 44.519 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

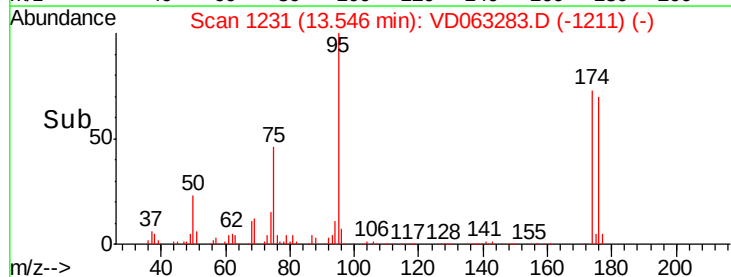
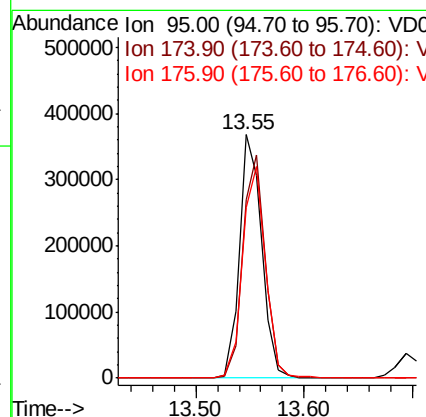
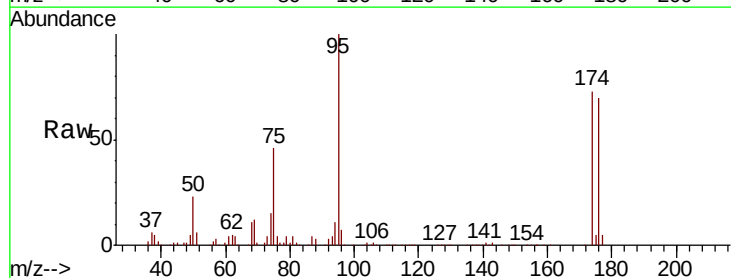
Instrument :
 MSVOA_D
 ClientSampleId :

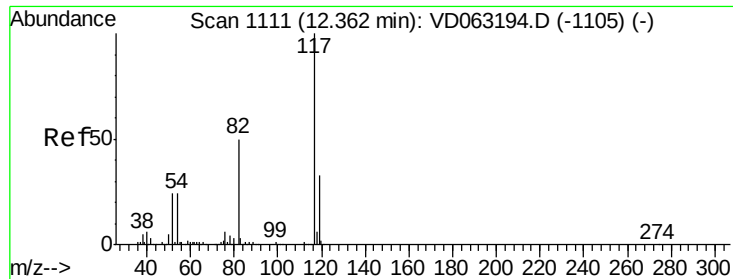
Tot Ion:107 Resp: 296688
 Ion Ratio Lower Upper
 107 100
 109 90.0 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 48.142 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion: 95 Resp: 526934
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 205.4
 176 70.3 0.0 211.8

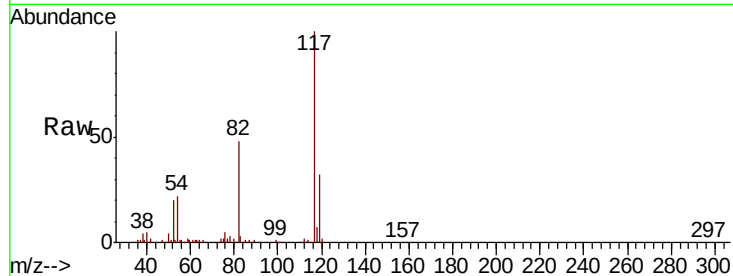




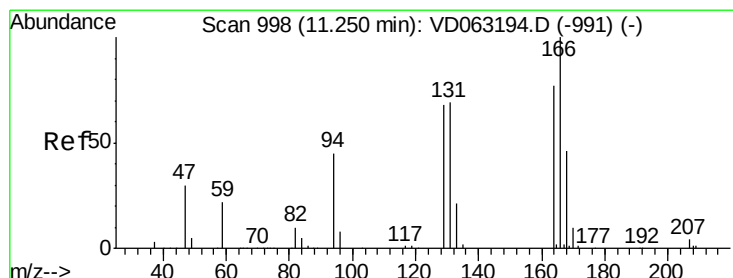
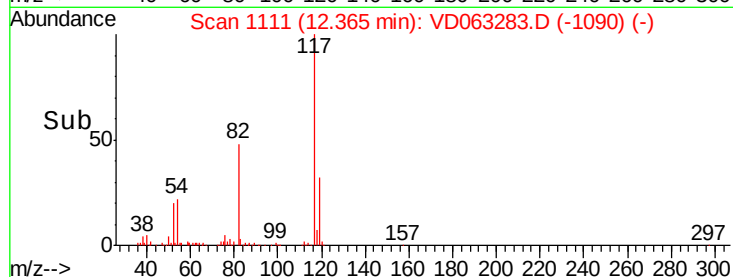
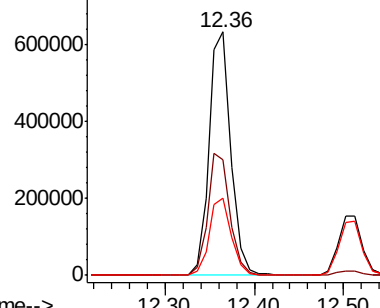
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1082192
Ion Ratio Lower Upper
117 100
82 47.7 40.1 60.1
119 31.5 26.5 39.7

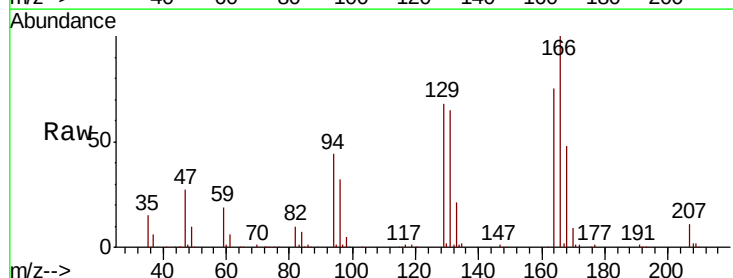


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

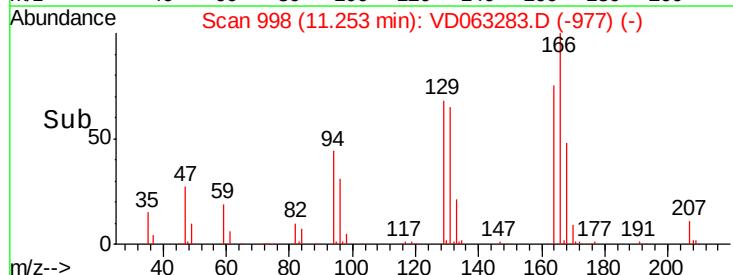
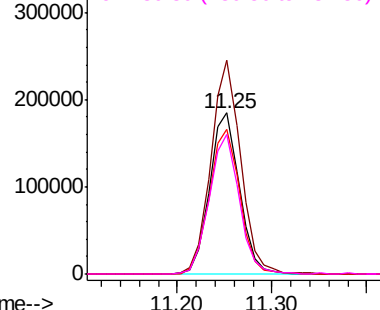


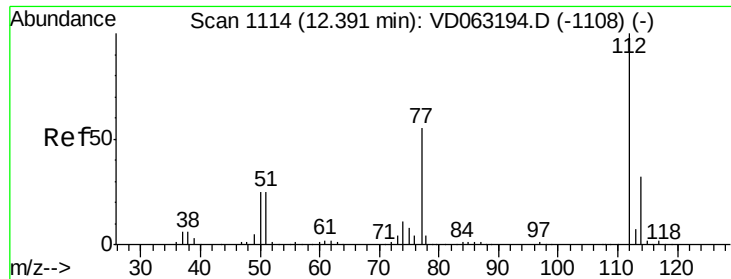
#64
Tetrachloroethene
Concen: 46.669 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion:164 Resp: 402352
Ion Ratio Lower Upper
164 100
166 132.5 104.3 156.5
129 90.2 70.9 106.3
131 86.7 71.6 107.4



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

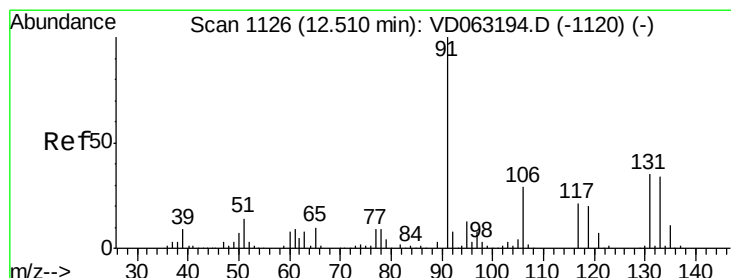
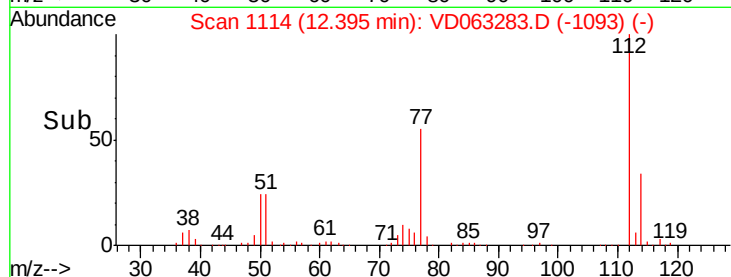
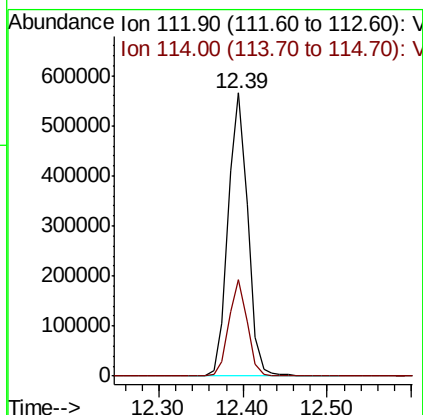
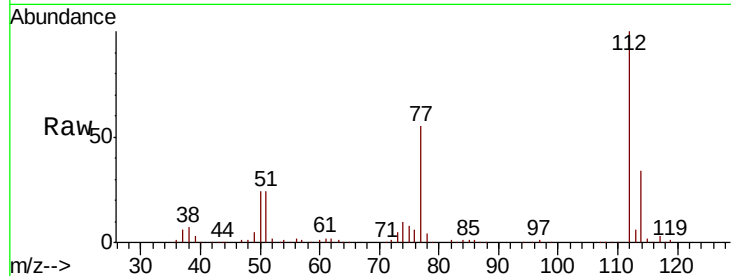




#65
Chlorobenzene
Concen: 43.861 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

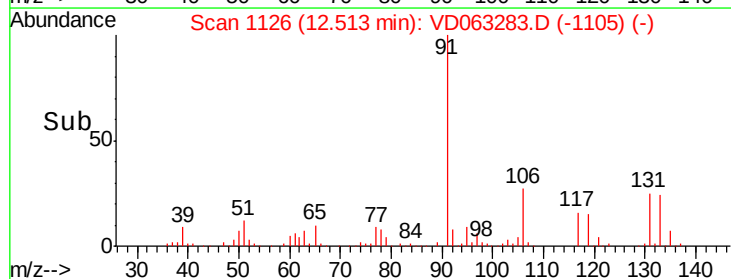
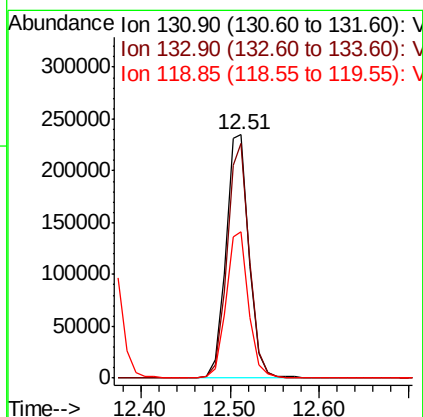
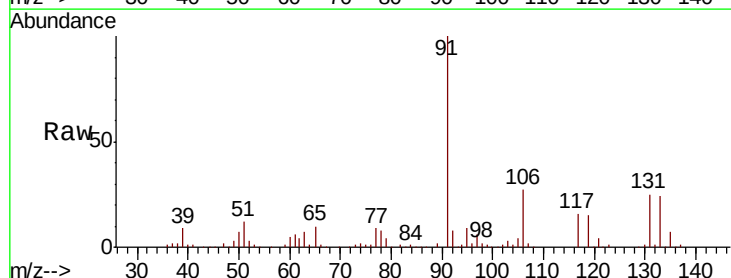
Instrument :
MSVOA_D
ClientSampled :

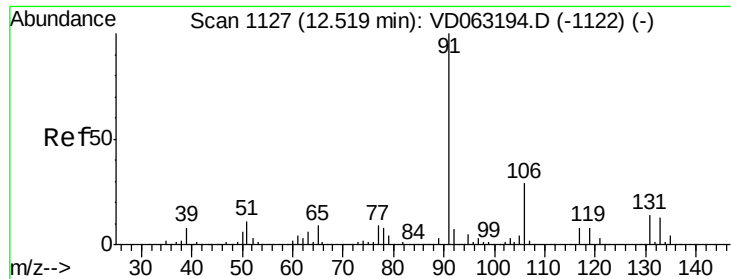
Tot Ion:112 Resp: 912990
Ion Ratio Lower Upper
112 100
114 34.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 46.971 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion:131 Resp: 430674
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 60.0 29.1 87.3

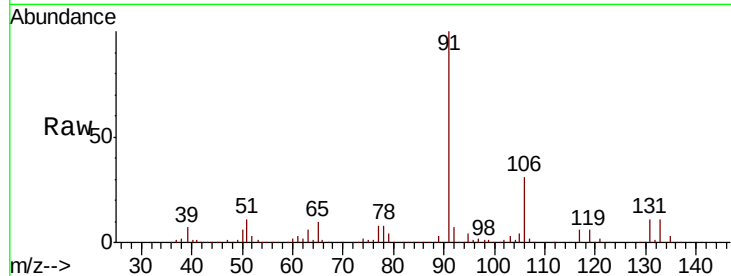




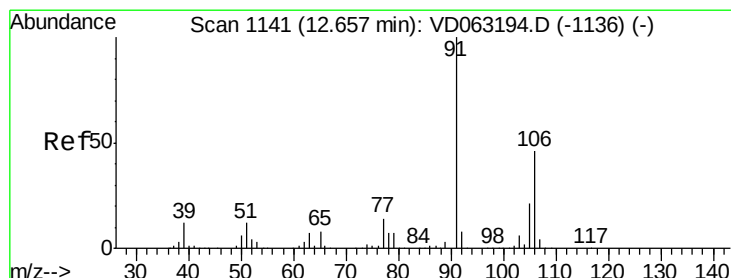
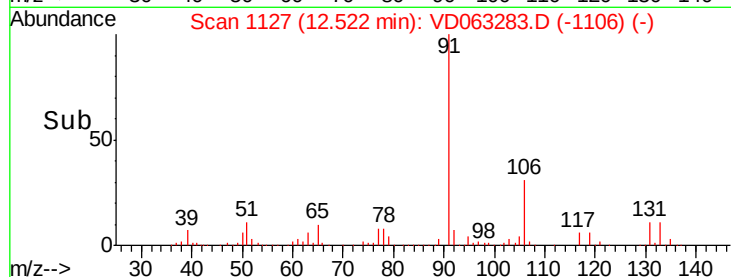
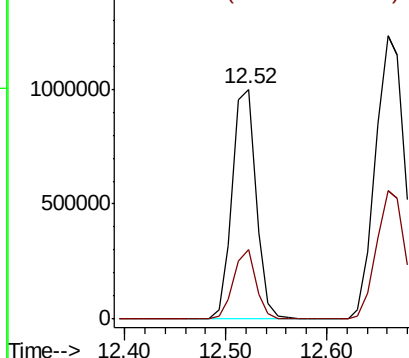
#67
Ethyl Benzene
Concen: 46.652 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1649663
Ion Ratio Lower Upper
91 100
106 30.5 22.9 34.3

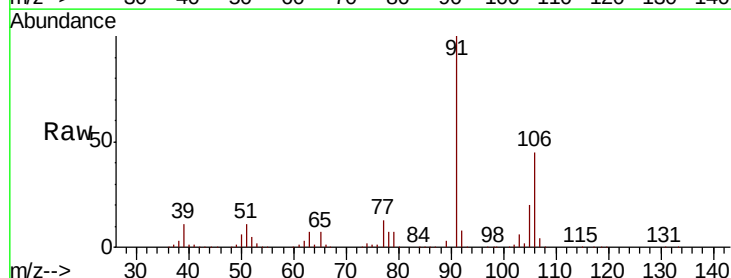


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

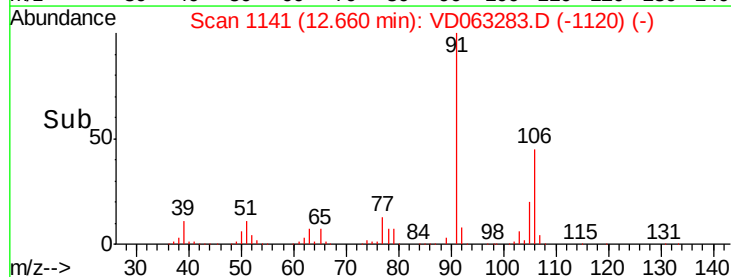
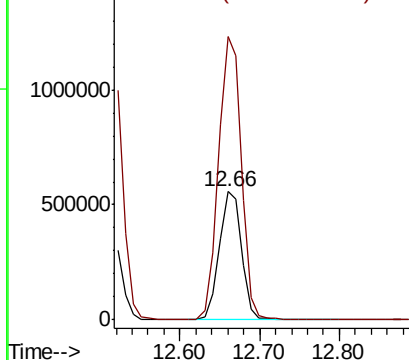


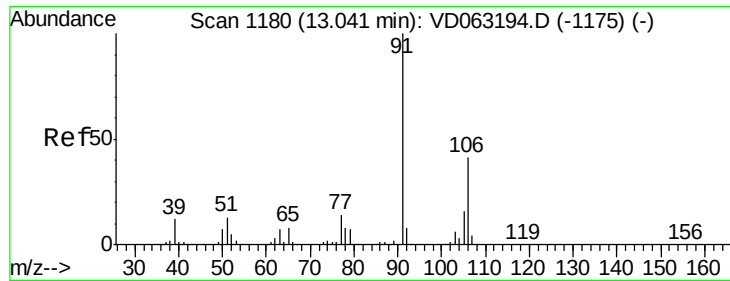
#68
m/p-Xylenes
Concen: 84.891 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 106 Resp: 1100855
Ion Ratio Lower Upper
106 100
91 221.0 172.6 259.0



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

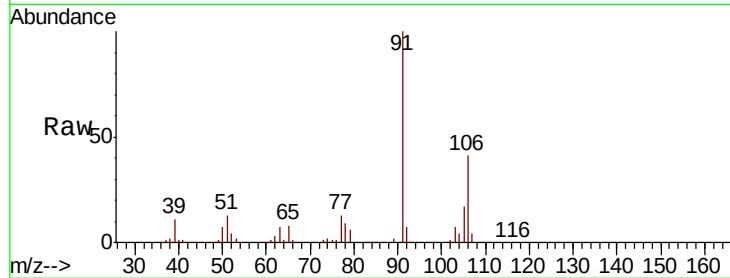




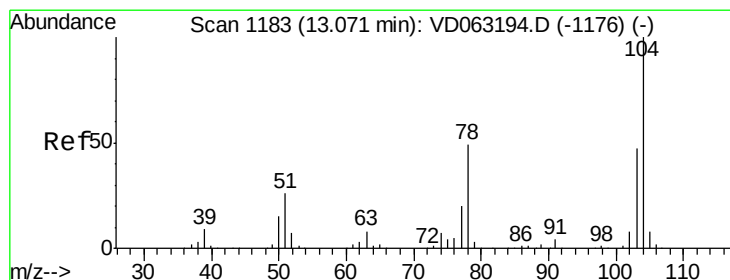
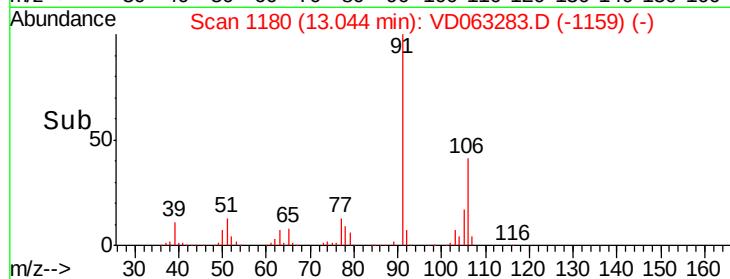
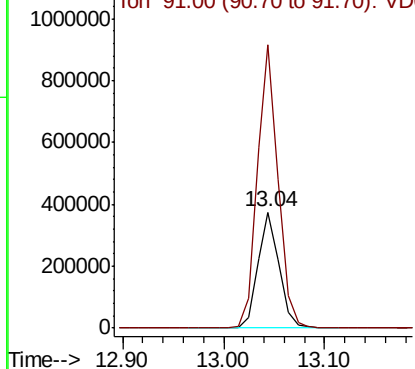
#69
o-Xylene
Concen: 45.958 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 547294
Ion Ratio Lower Upper
106 100
91 244.2 121.3 363.9

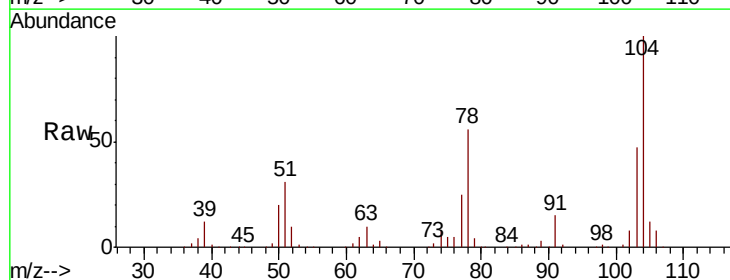


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

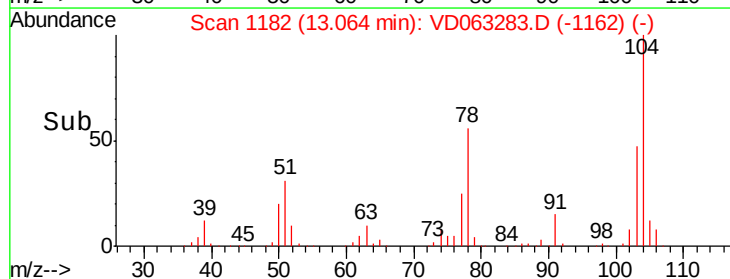
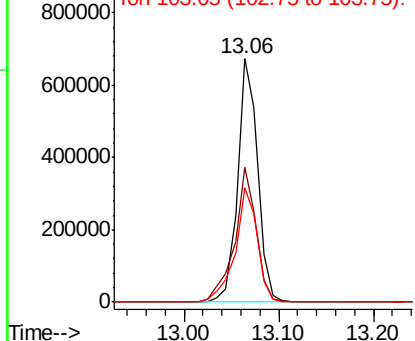


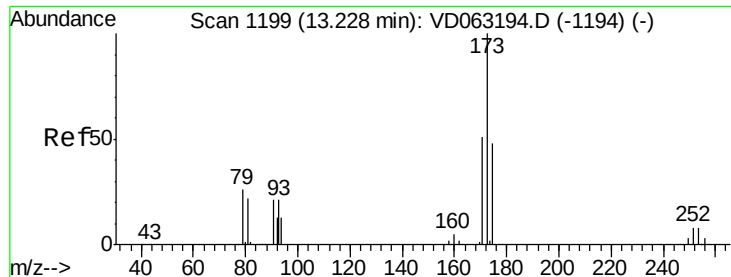
#70
Styrene
Concen: 46.579 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion:104 Resp: 983694
Ion Ratio Lower Upper
104 100
78 55.6 39.4 59.0
103 46.9 37.4 56.2



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





#71

Bromoform

Concen: 48.378 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

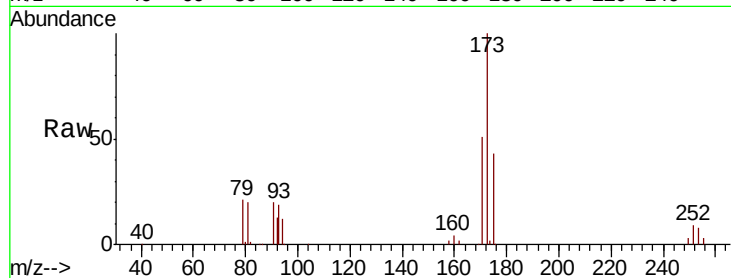
Tot Ion:173 Resp: 322574

Ion	Ratio	Lower	Upper
173	100		
175	43.1	23.8	71.5
254	8.1	6.6	10.0

173 100

175 43.1 23.8 71.5

254 8.1 6.6 10.0

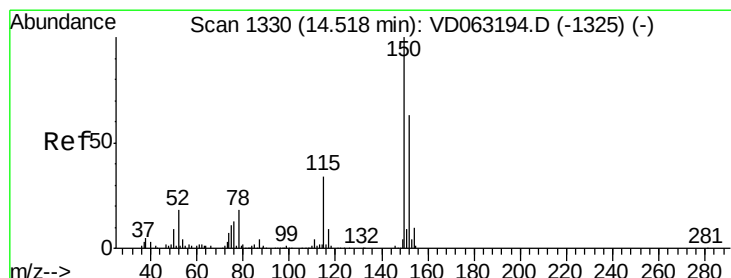
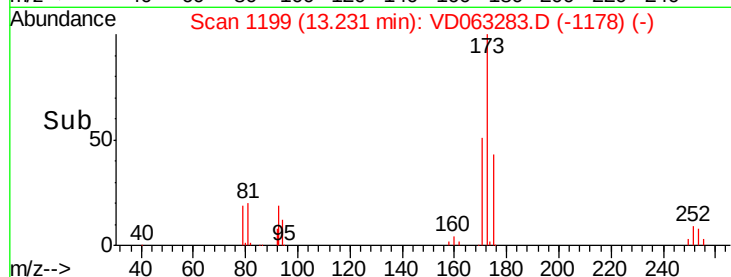
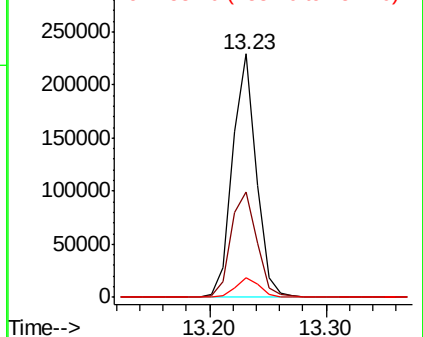


Abundance

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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

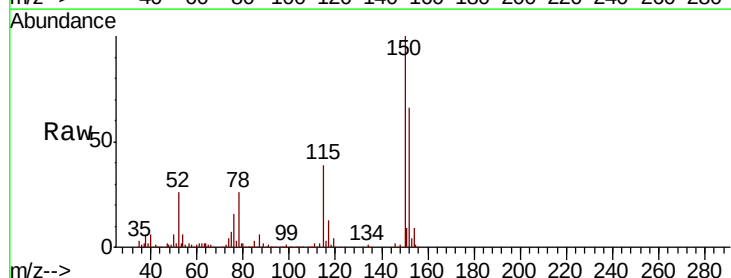
Tgt Ion:152 Resp: 647039

Ion	Ratio	Lower	Upper
152	100		
115	58.8	27.5	82.4
150	151.0	0.0	320.6

152 100

115 58.8 27.5 82.4

150 151.0 0.0 320.6

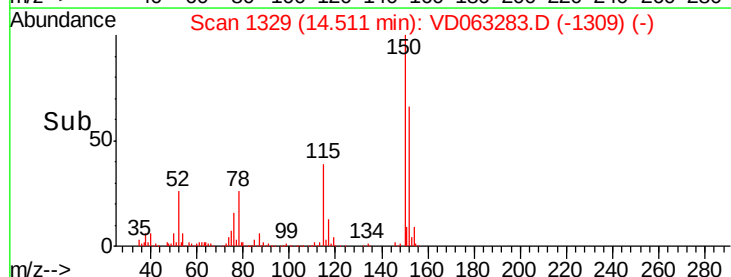
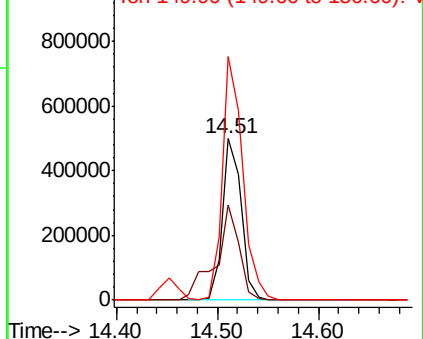


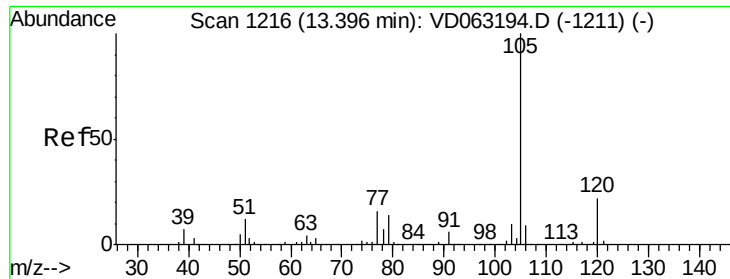
Abundance

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: 44.614 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

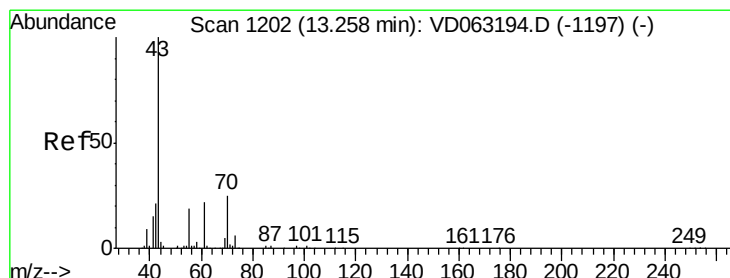
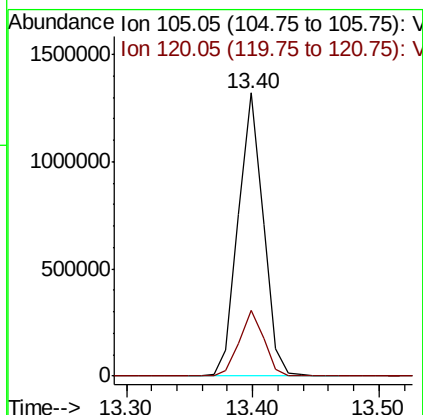
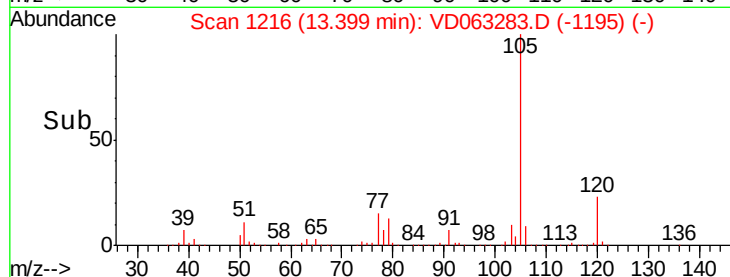
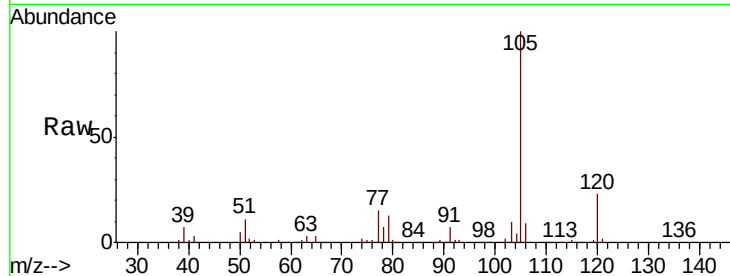
ClientSampled :

Tot Ion:105 Resp: 1811783

Ion Ratio Lower Upper

105 100

120 23.2 11.1 33.3



#74

N-ethyl acetate

Concen: 40.324 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Tgt Ion: 43 Resp: 432904

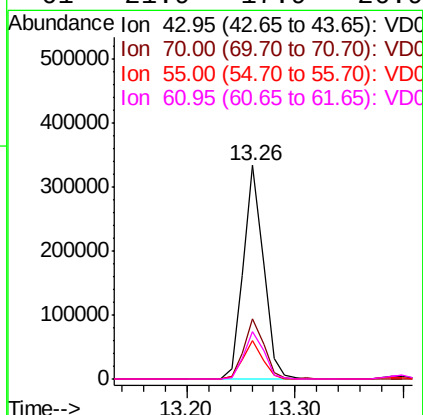
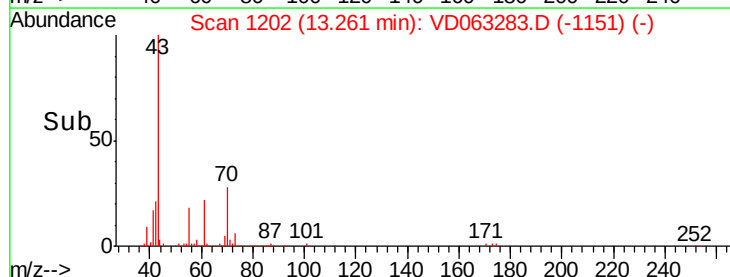
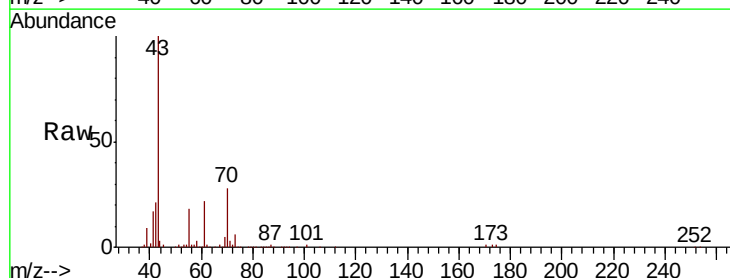
Ion Ratio Lower Upper

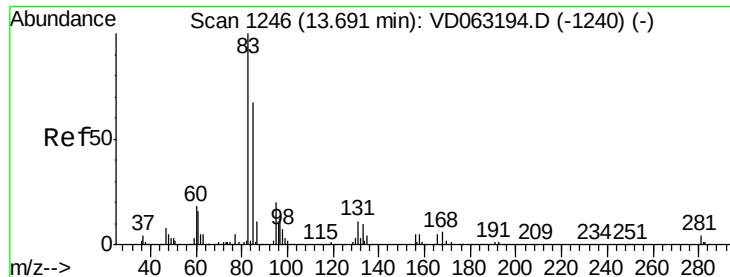
43 100

70 28.0 20.2 30.4

55 18.2 14.9 22.3

61 21.9 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 42.260 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

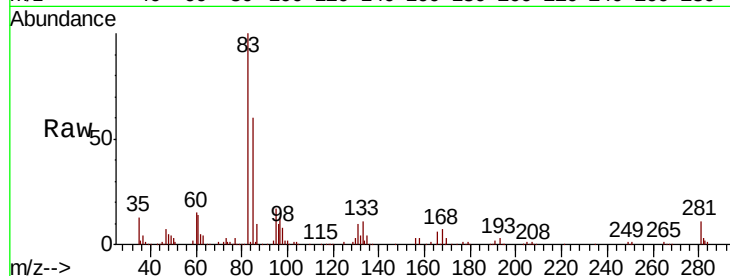
Tot Ion: 83 Resp: 291518

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.7

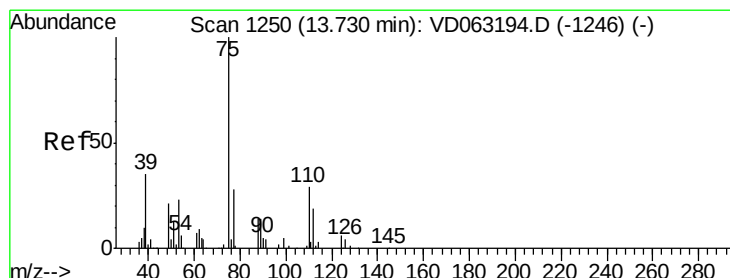
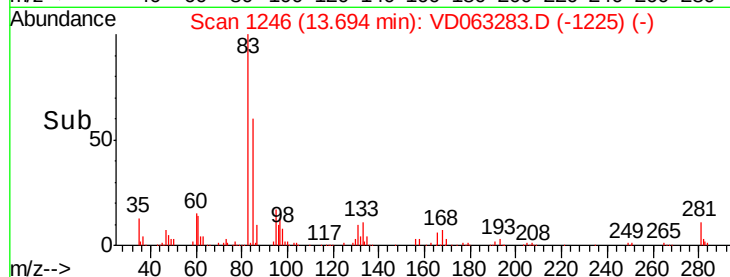
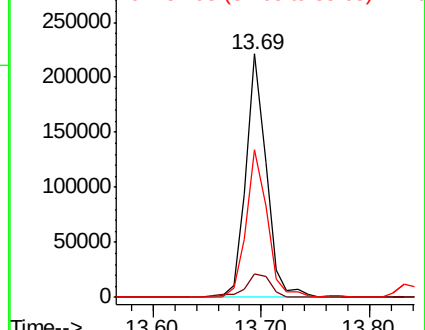
85 60.5 33.7 101.1



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: 40.780 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063283.D

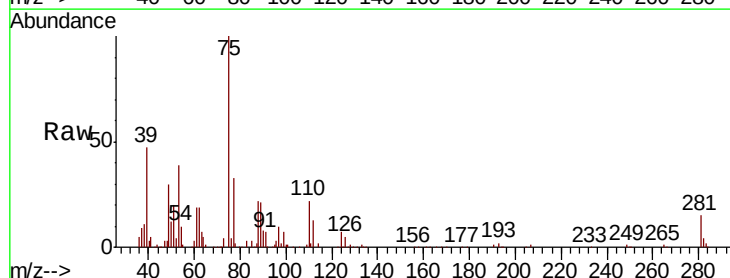
Acq: 31 Jul 2019 17:09

Tgt Ion: 75 Resp: 316930

Ion Ratio Lower Upper

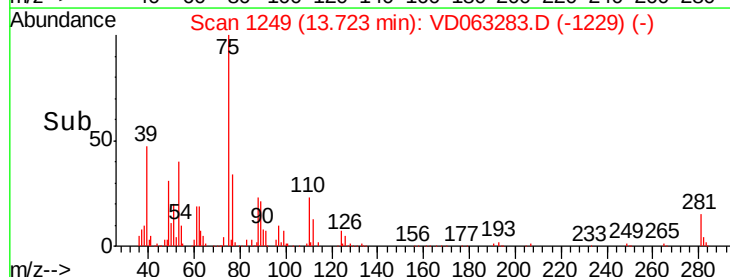
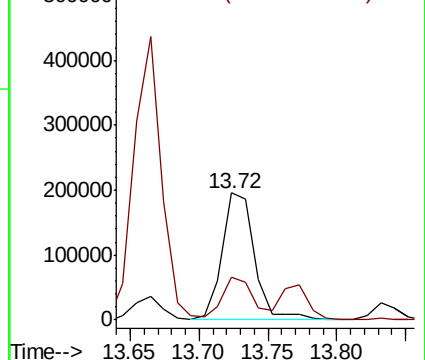
75 100

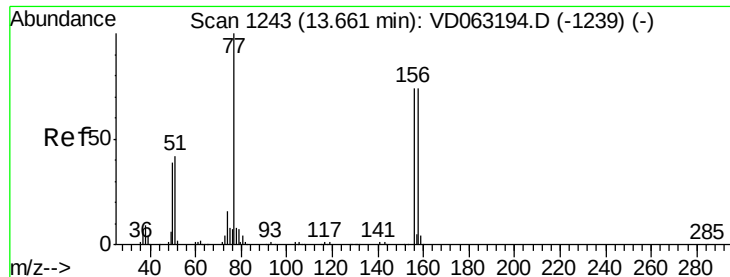
77 33.5 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 42.698 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampled :

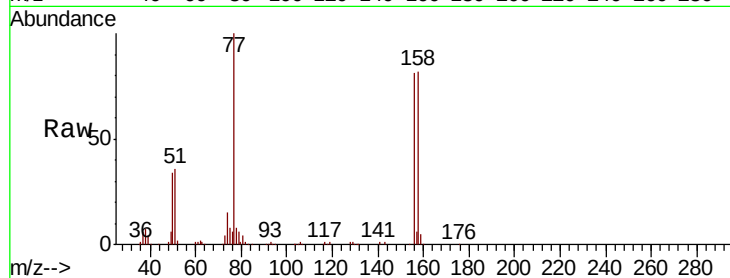
Tot Ion:156 Resp: 493958

Ion Ratio Lower Upper

156 100

77 122.7 67.6 202.8

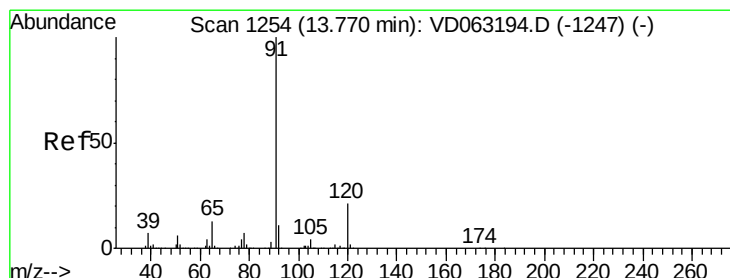
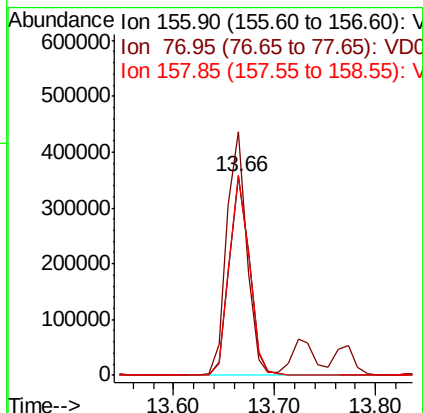
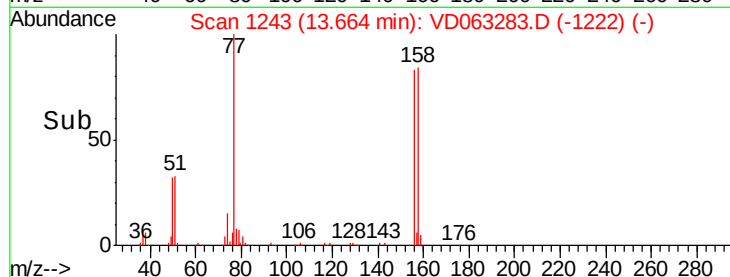
158 101.0 49.8 149.4



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: 39.441 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063283.D

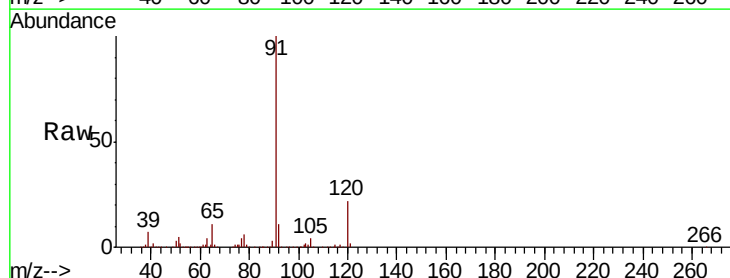
Acq: 31 Jul 2019 17:09

Tgt Ion: 91 Resp: 1906084

Ion Ratio Lower Upper

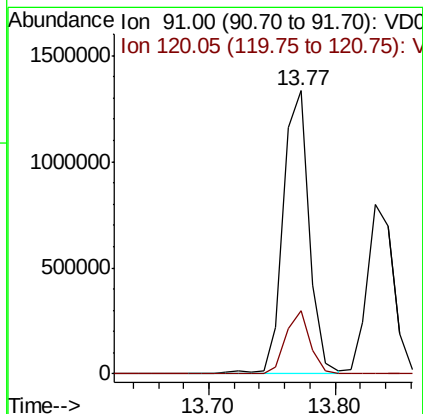
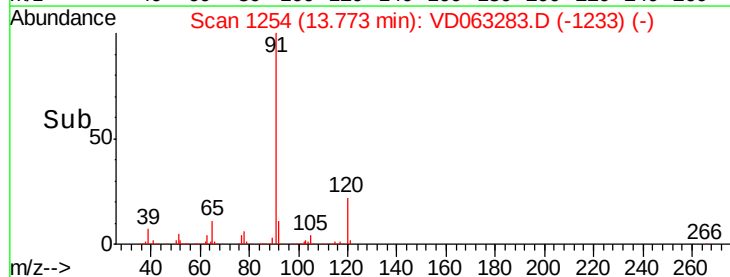
91 100

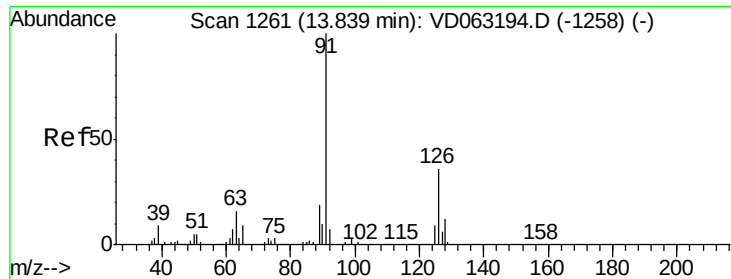
120 22.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 41.521 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

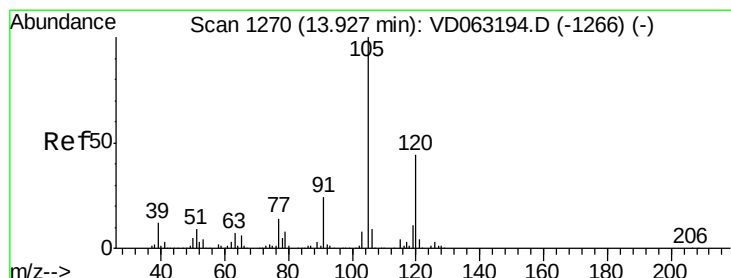
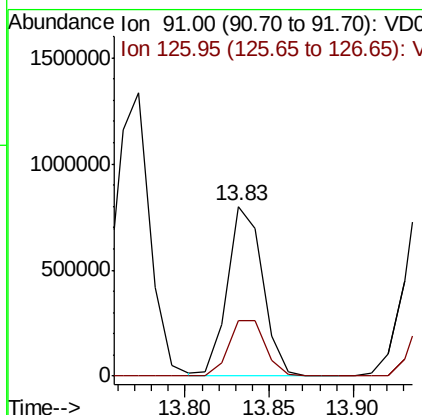
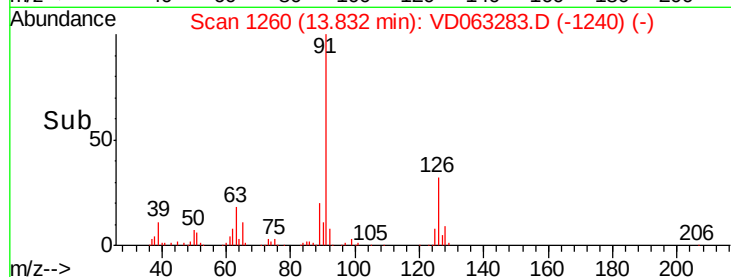
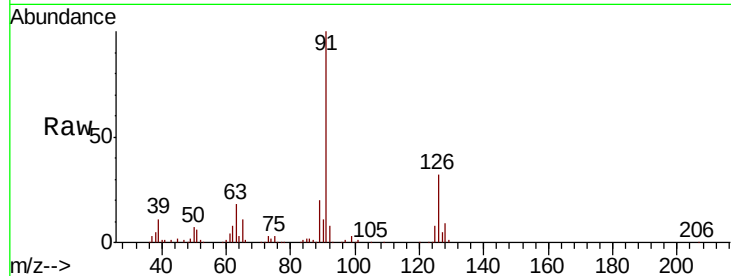
ClientSampleId :

Tot Ion: 91 Resp: 1162673

Ion Ratio Lower Upper

91 100

126 32.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 42.965 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063283.D

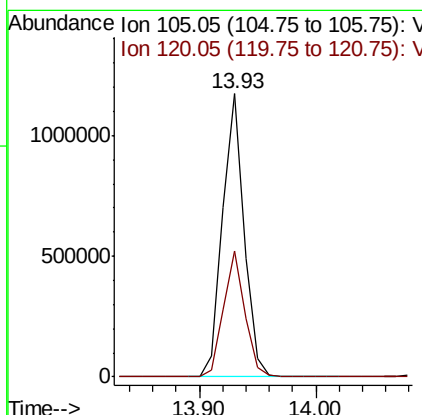
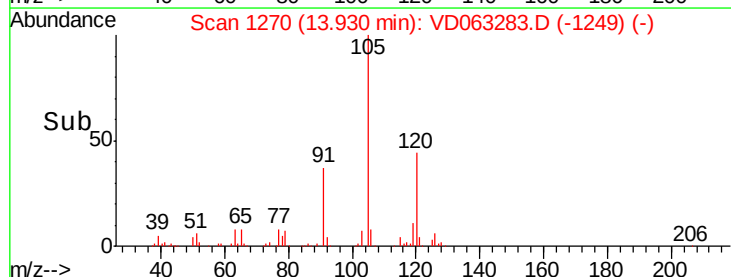
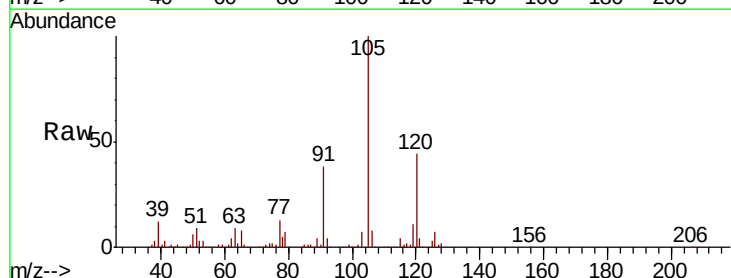
Acq: 31 Jul 2019 17:09

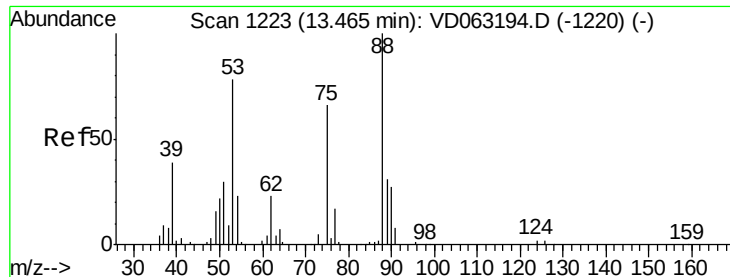
Tgt Ion: 105 Resp: 1504900

Ion Ratio Lower Upper

105 100

120 44.4 22.1 66.1

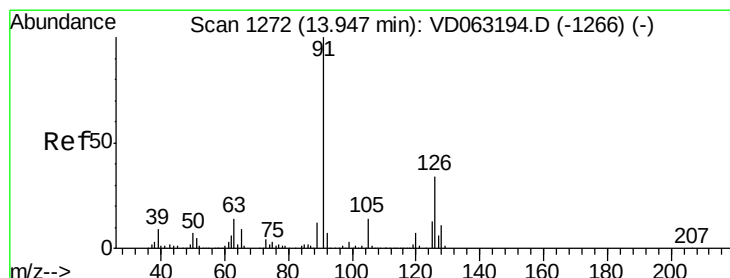
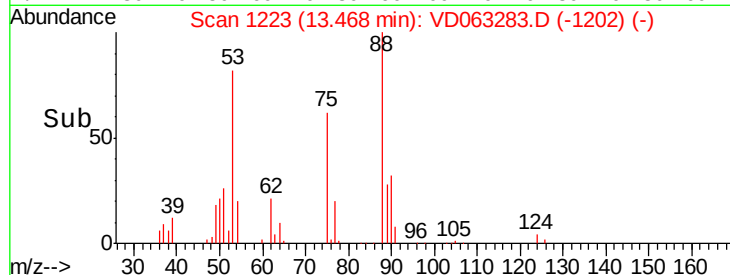
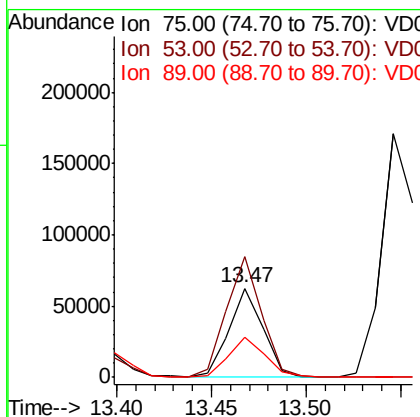
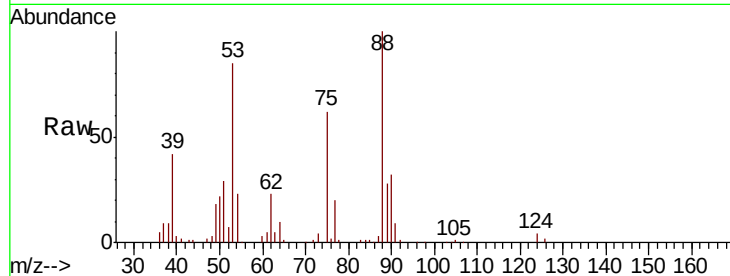




#81
trans-1,4-Dichloro-2-butene
Concen: 36.204 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

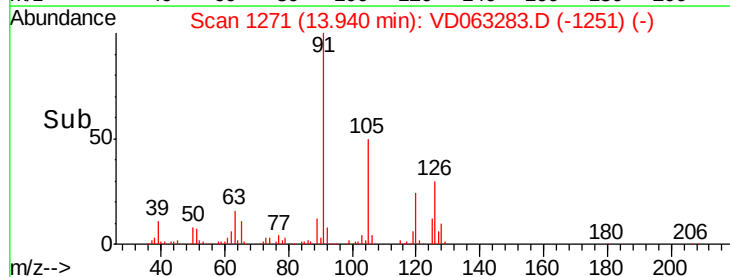
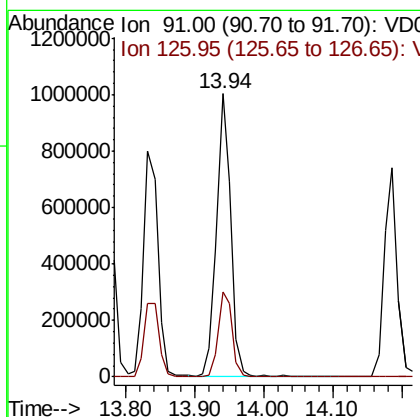
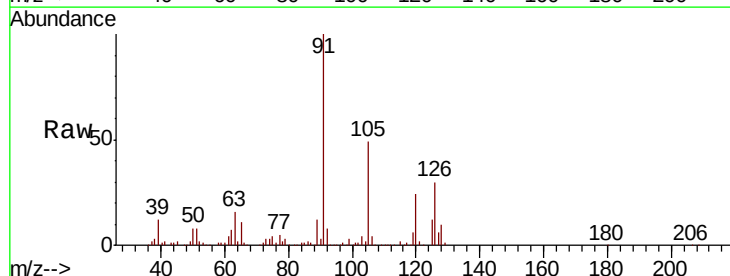
Instrument :
MSVOA_D
ClientSampled :

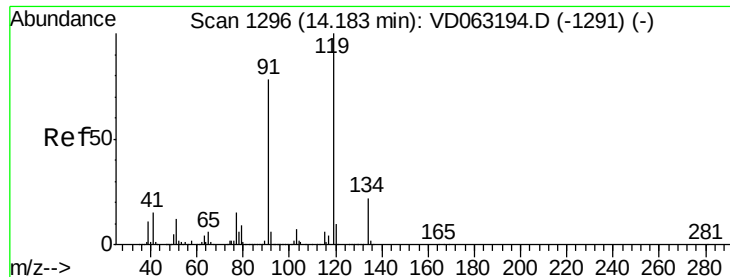
Tot Ion: 75 Resp: 78131
Ion Ratio Lower Upper
75 100
53 135.8 94.9 142.3
89 45.4 37.4 56.0



#82
4-Chlorotoluene
Concen: 43.590 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion: 91 Resp: 1436516
Ion Ratio Lower Upper
91 100
126 30.0 17.1 51.2



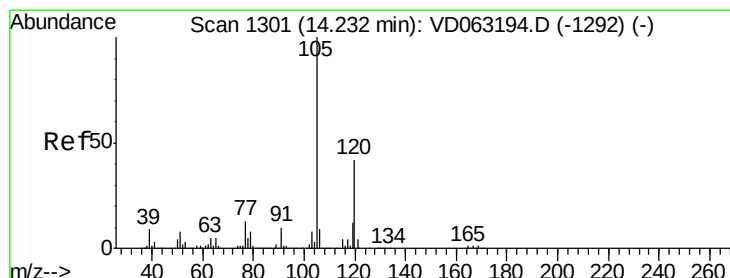
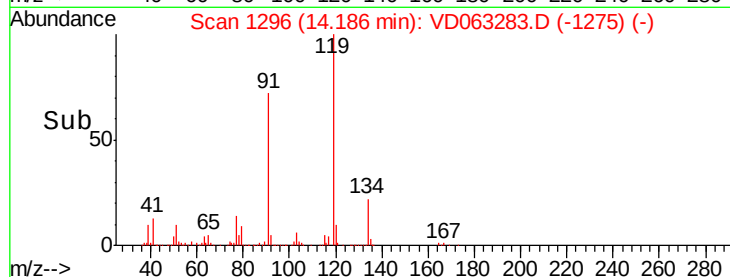
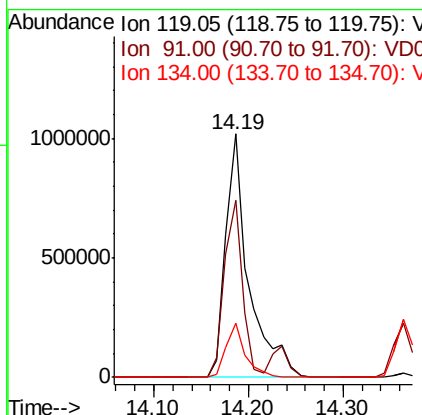
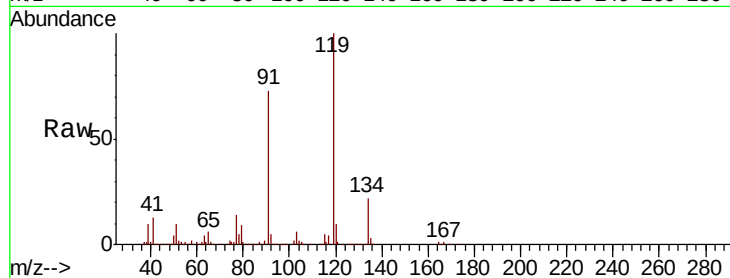


#83
 tert-Butylbenzene
 Concen: 42.979 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 1718847

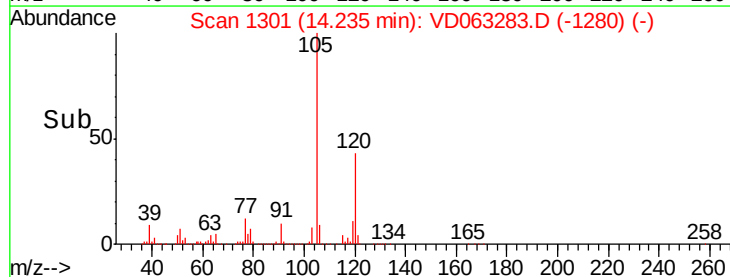
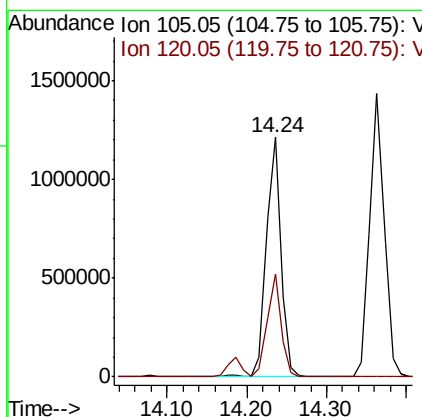
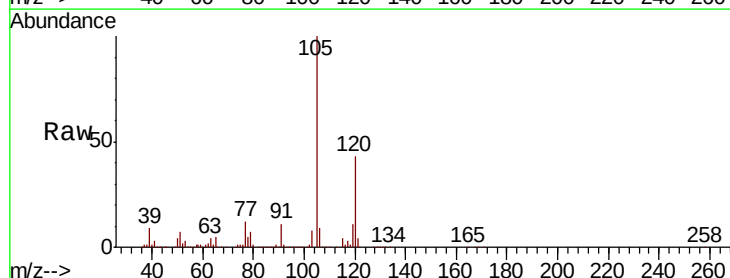
Ion	Ratio	Lower	Upper
119	100		
91	72.8	39.1	117.5
134	22.2	10.9	32.6

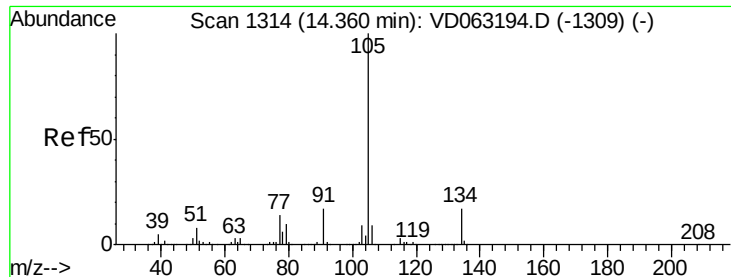


#84
 1,2,4-Trimethylbenzene
 Concen: 42.661 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion:105 Resp: 1545545

Ion	Ratio	Lower	Upper
105	100		
120	42.9	20.9	62.7





#85

sec-Butylbenzene

Concen: 42.360 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

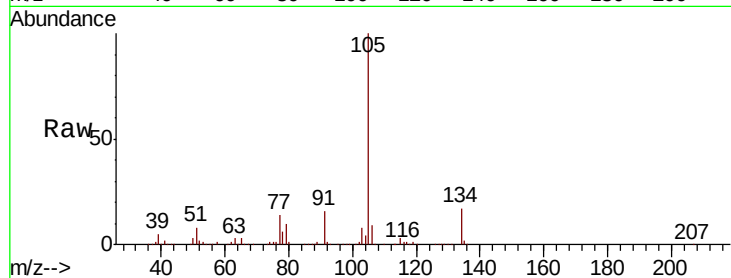
ClientSampleId :

Tot Ion:105 Resp: 1784868

Ion Ratio Lower Upper

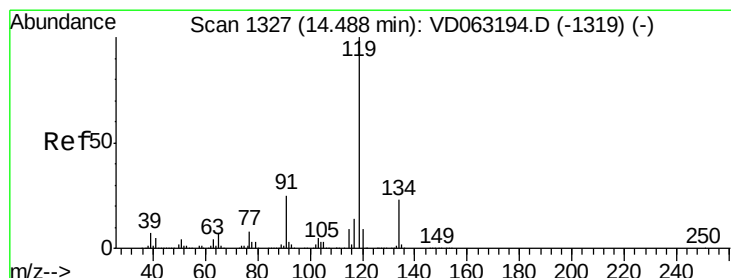
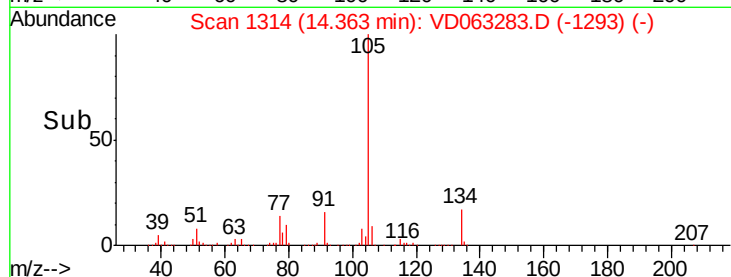
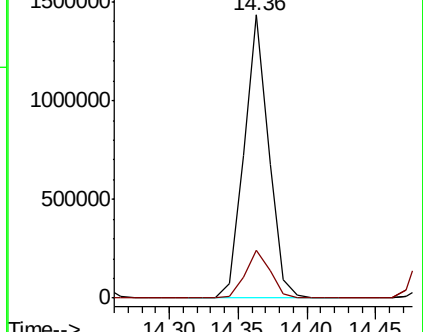
105 100

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



#86

p-Isopropyltoluene

Concen: 38.575 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

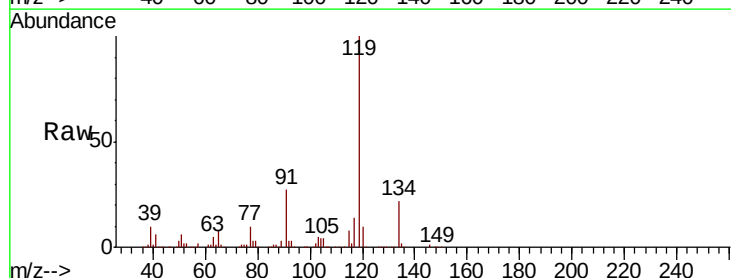
Tgt Ion:119 Resp: 1551360

Ion Ratio Lower Upper

119 100

134 22.1 11.5 34.5

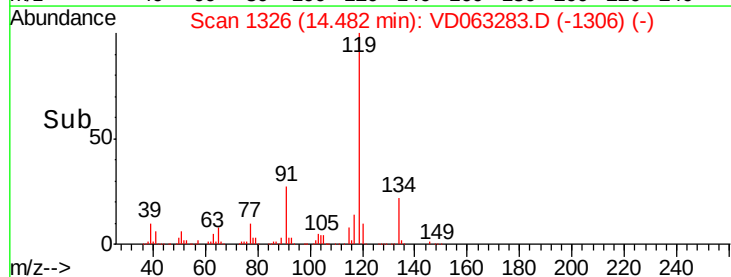
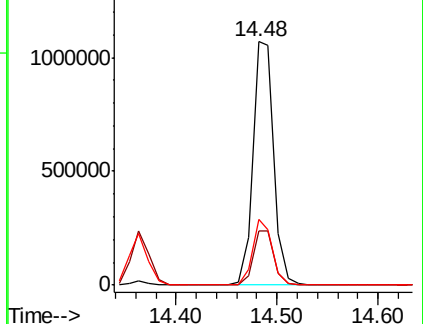
91 27.2 12.6 37.6

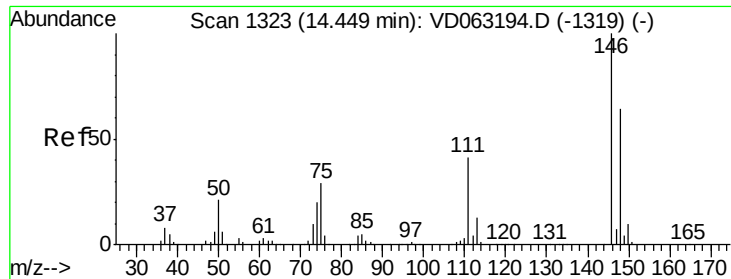


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

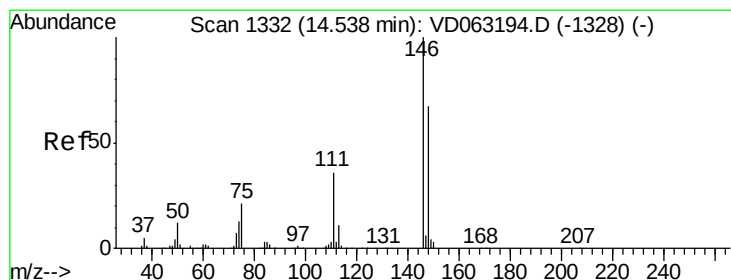
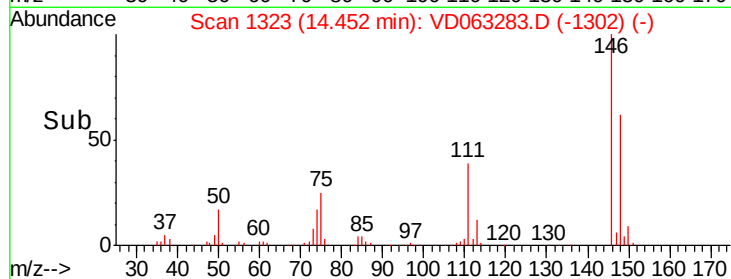
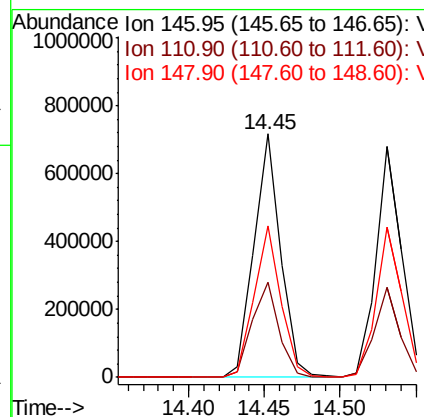
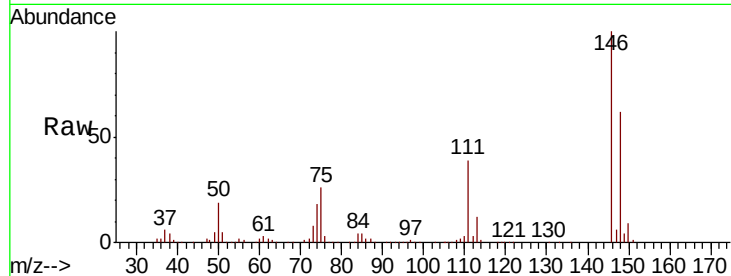




#87
 1,3-Dichlorobenzene
 Concen: 42.987 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

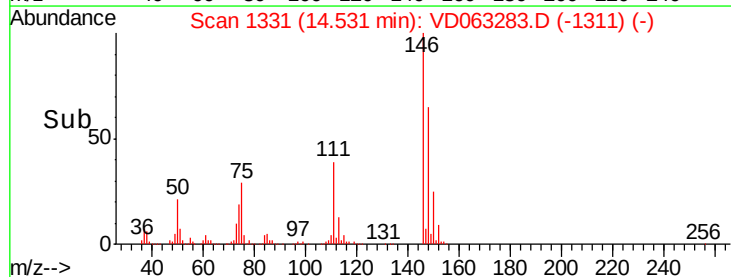
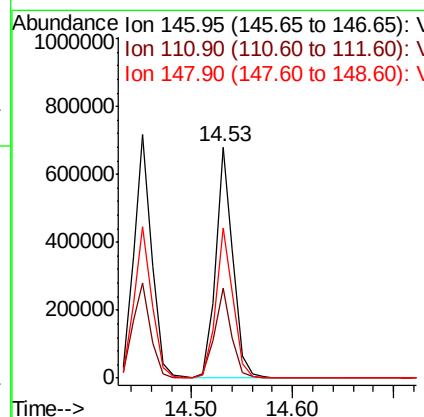
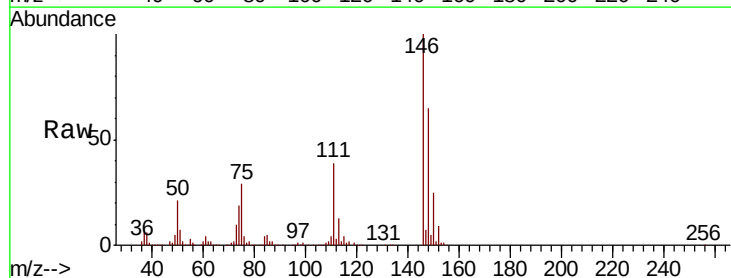
Instrument :
 MSVOA_D
 ClientSampled :

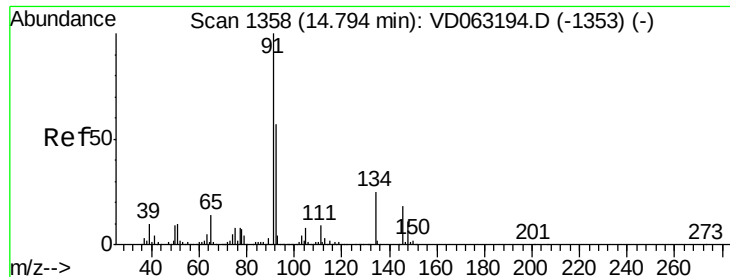
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.4	61.3
148	62.3	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 39.316 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.1	54.3
148	64.7	33.4	100.1





#89

n-Butylbenzene

Concen: 44.757 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

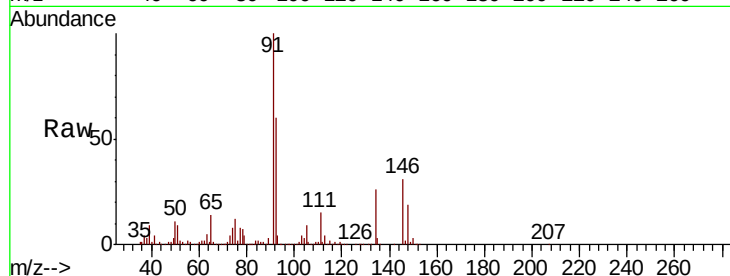
Tot Ion: 91 Resp: 1554609

Ion	Ratio	Lower	Upper
91	100		
92	59.7	28.3	85.0
134	25.6	12.3	36.8

91 100

92 59.7 28.3 85.0

134 25.6 12.3 36.8

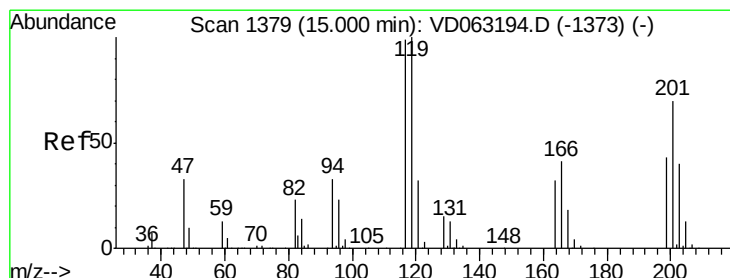
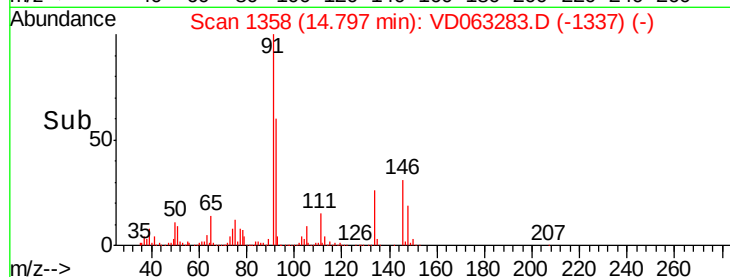
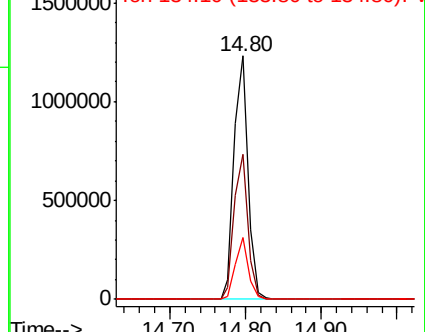


Abundance

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): VDC



#90

Hexachloroethane

Concen: 41.710 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063283.D

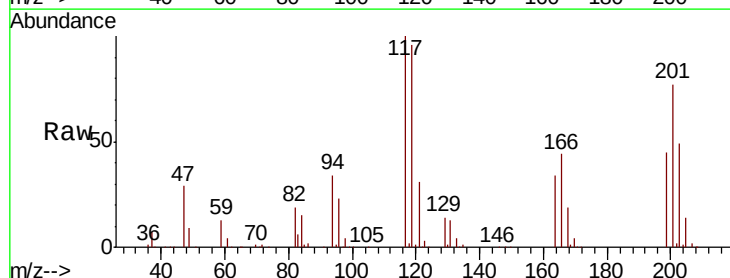
Acq: 31 Jul 2019 17:09

Tgt Ion: 117 Resp: 437029

Ion	Ratio	Lower	Upper
117	100		
201	76.5	35.2	105.6

117 100

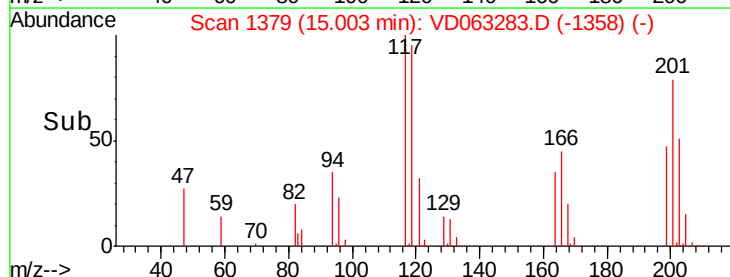
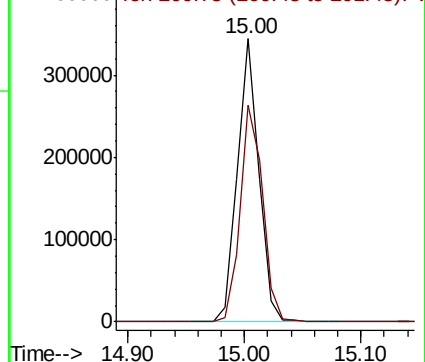
201 76.5 35.2 105.6

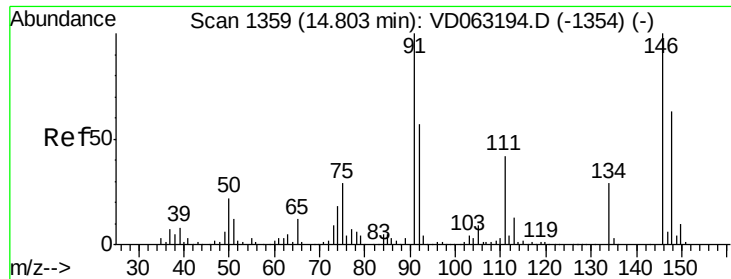


Abundance

Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

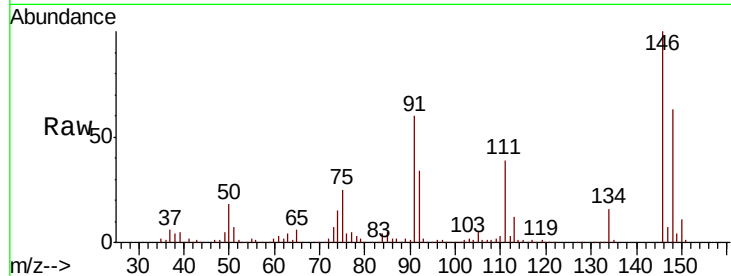




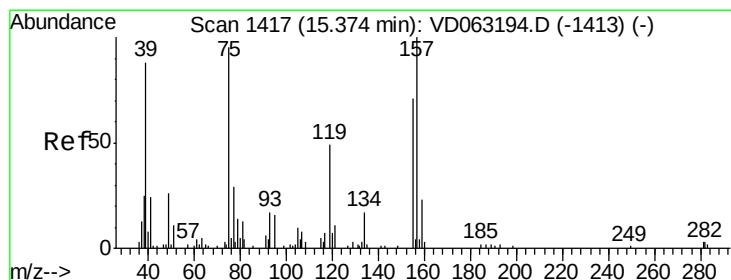
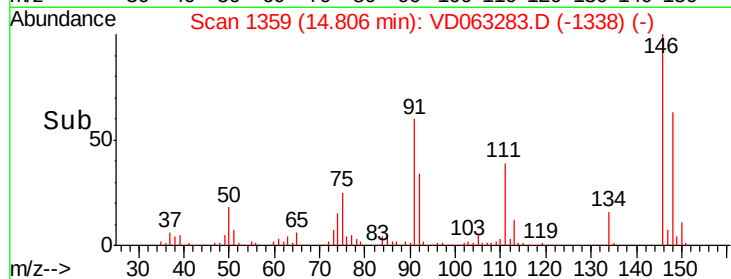
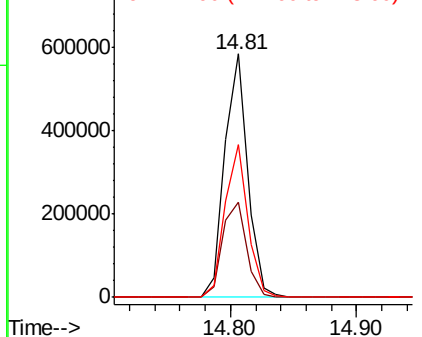
#91
 1,2-Dichlorobenzene
 Concen: 41.209 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.3
148	62.7	31.6	94.8

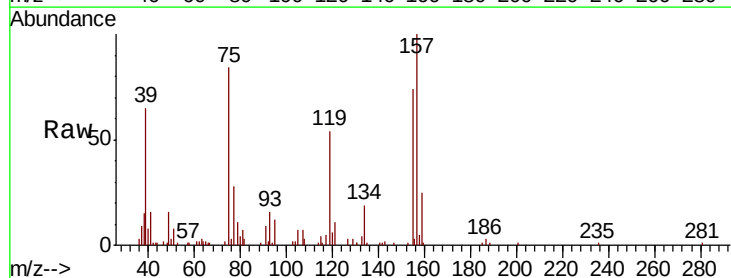


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

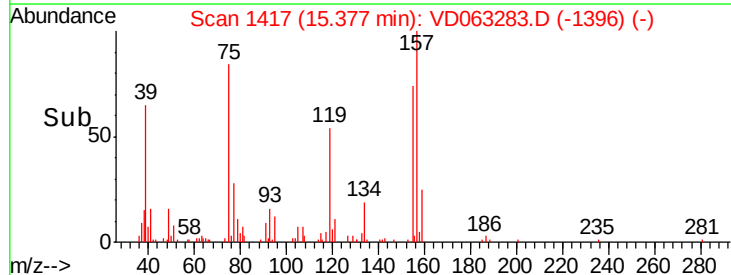
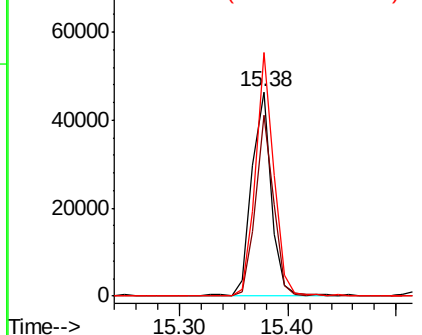


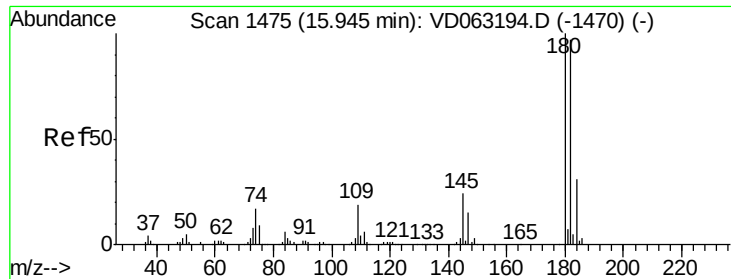
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.469 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	37.0	111.0
157	119.3	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

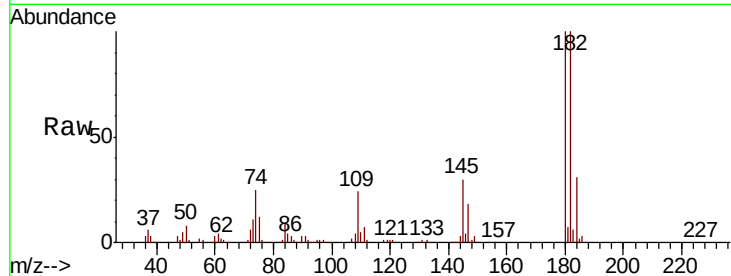




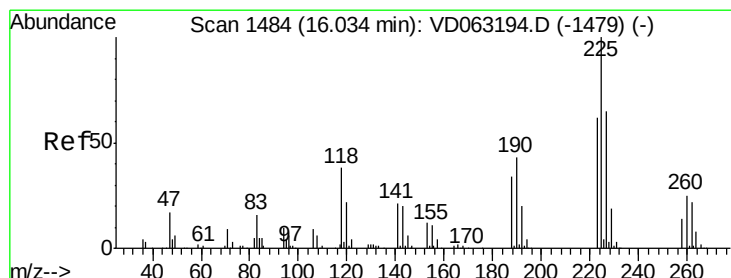
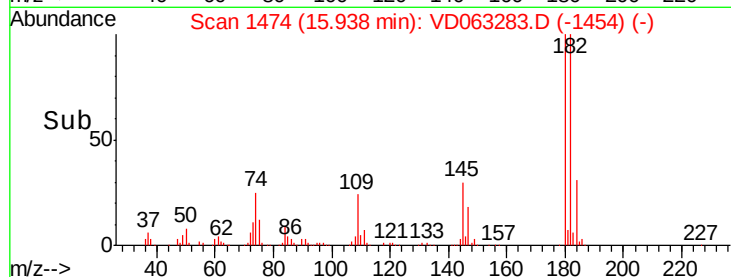
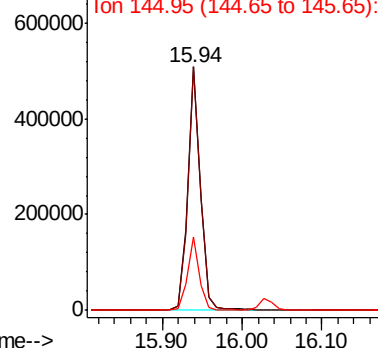
#93
 1,2,4-Trichlorobenzene
 Concen: 40.289 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 570520
 Ion Ratio Lower Upper
 180 100
 182 100.0 48.6 145.8
 145 29.9 12.2 36.6

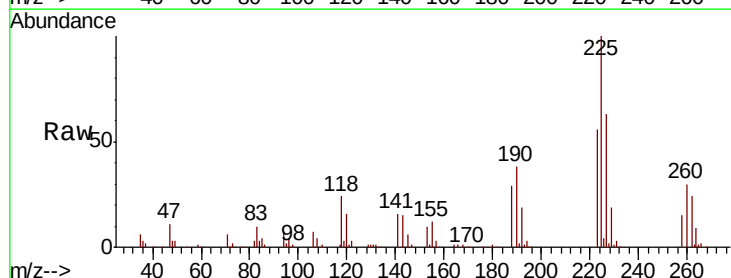


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

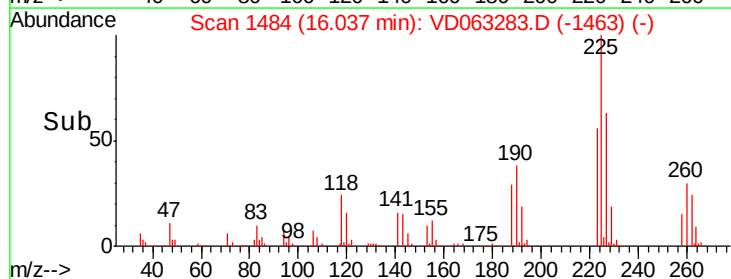
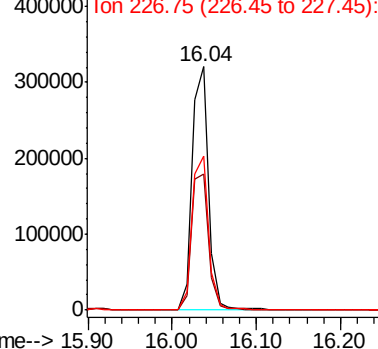


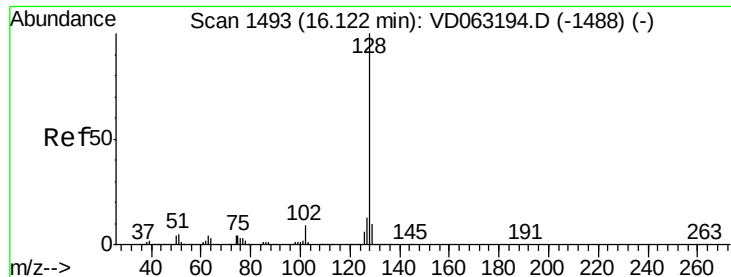
#94
 Hexachlorobutadiene
 Concen: 42.181 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion:225 Resp: 432856
 Ion Ratio Lower Upper
 225 100
 223 55.9 30.9 92.5
 227 63.5 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

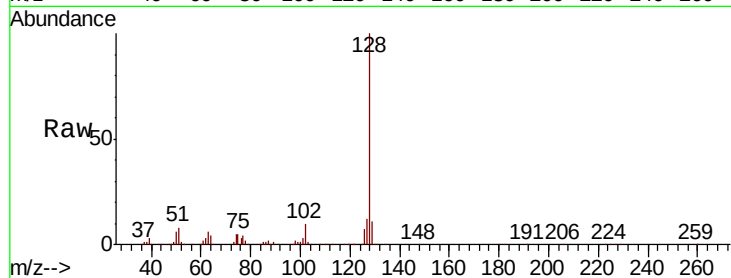




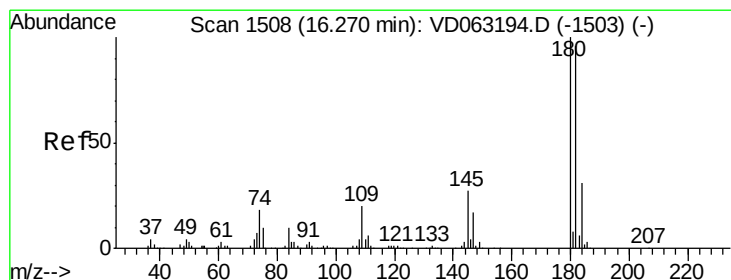
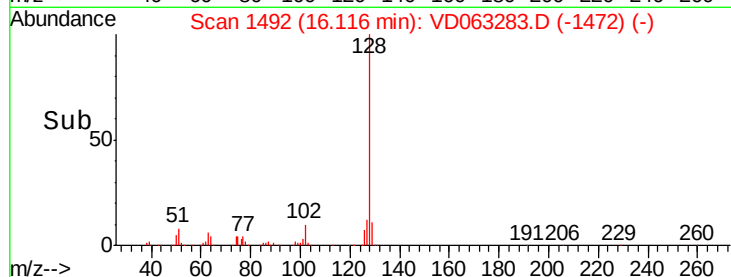
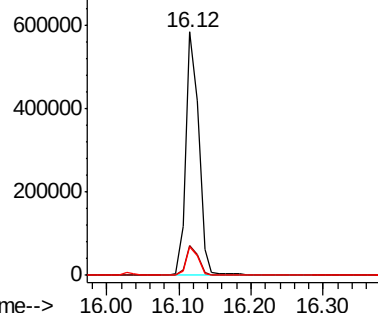
#95
Naphthalene
Concen: 36.066 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 721848
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.4
129 11.5 7.8 11.8

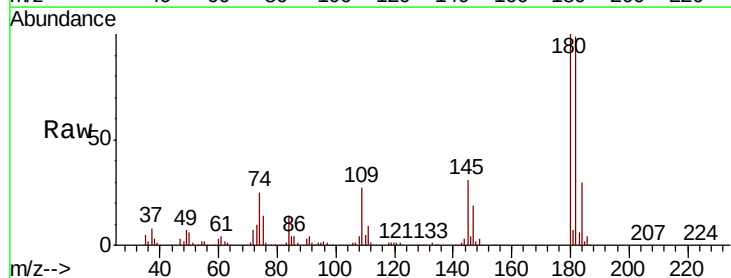


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 38.045 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Tgt Ion:180 Resp: 425593
Ion Ratio Lower Upper
180 100
182 99.3 48.3 144.9
145 30.9 13.6 40.7



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

