

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 :
 VSTDCCC050EC

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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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

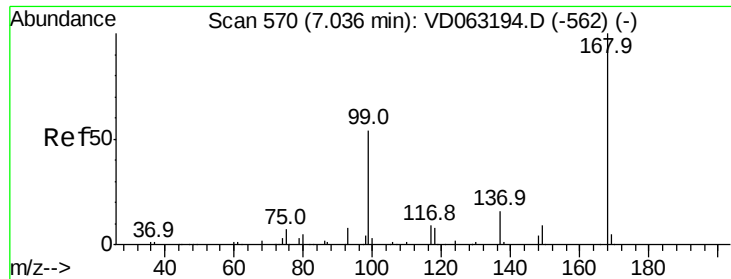
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
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Response via : Initial Calibration

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 :

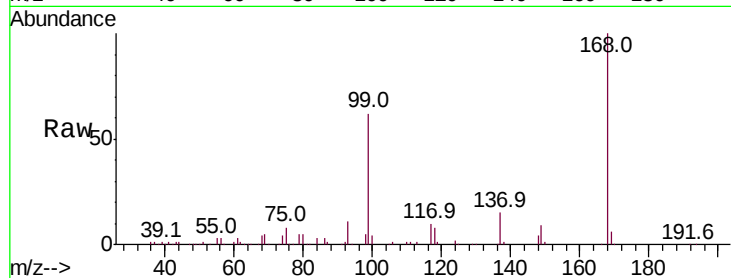
VSTDCCC050EC

Tot Ion:168 Resp: 915161

Ion Ratio Lower Upper

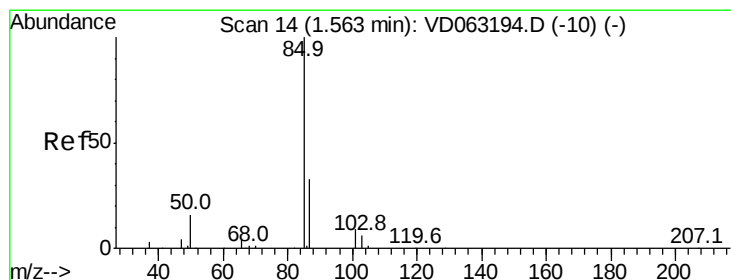
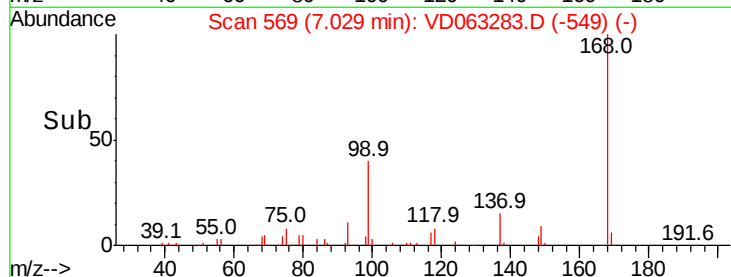
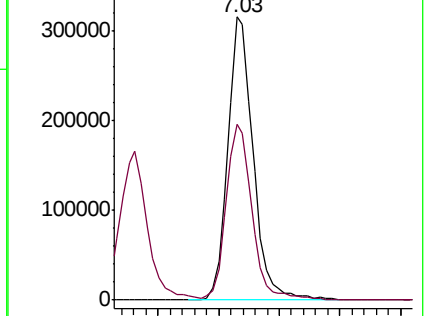
168 100

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



#2

Dichlorodifluoromethane

Concen: 41.304 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063283.D

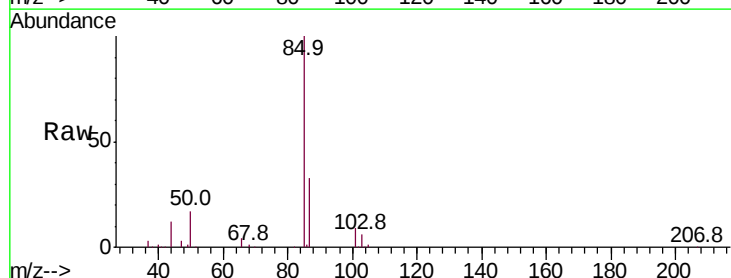
Acq: 31 Jul 2019 17:09

Tgt Ion: 85 Resp: 462056

Ion Ratio Lower Upper

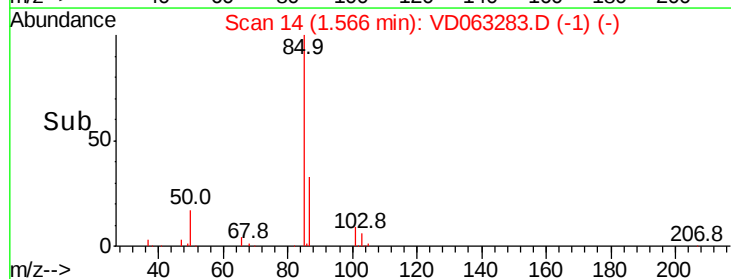
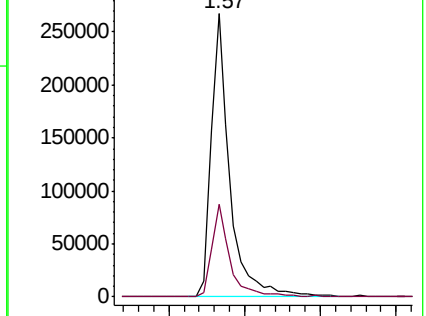
85 100

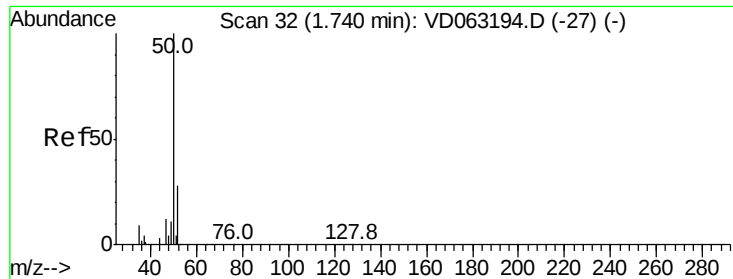
87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#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 :

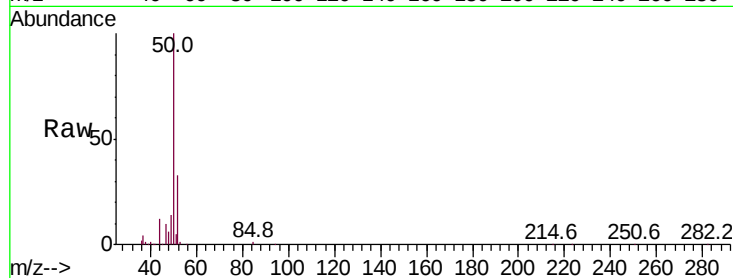
VSTDCCC050EC

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

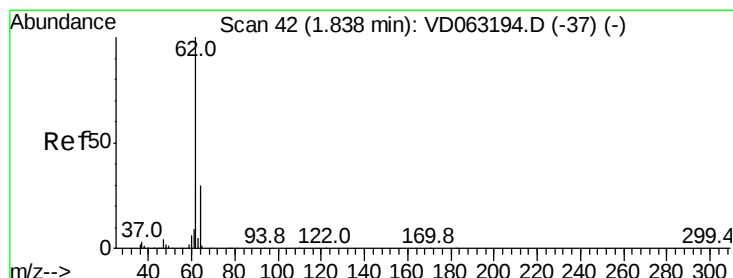
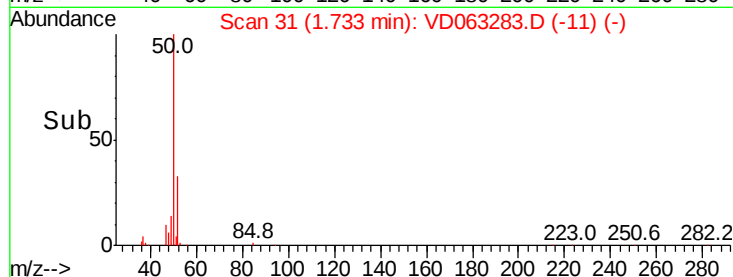
100000

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

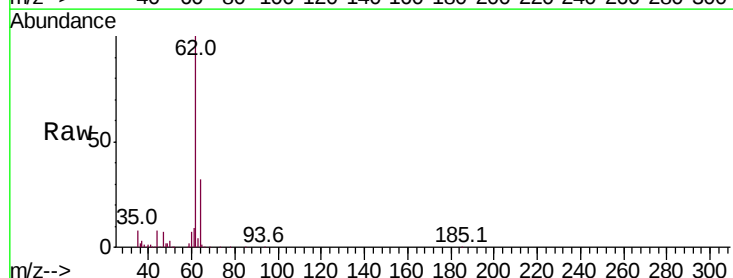
Acq: 31 Jul 2019 17:09

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

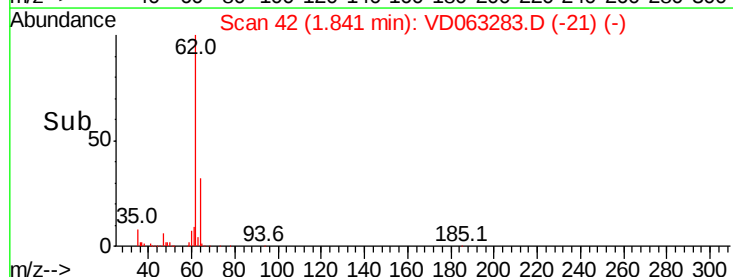
100000

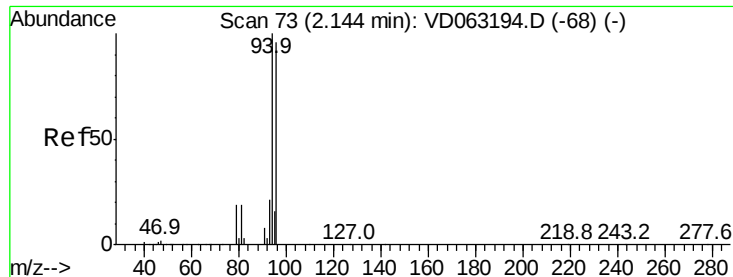
50000

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 :

VSTDCCC050EC

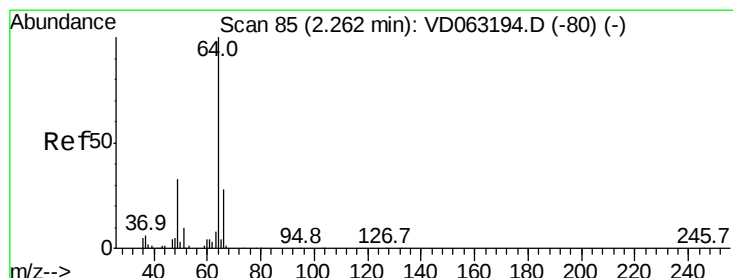
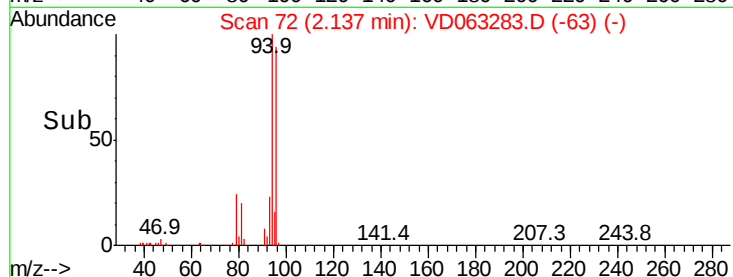
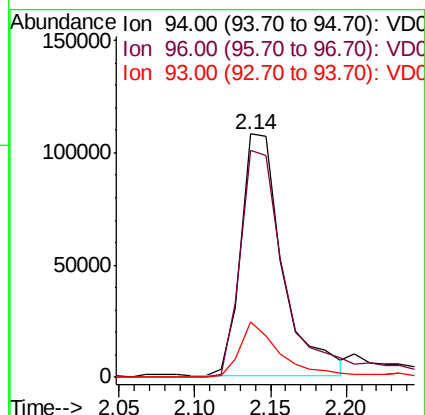
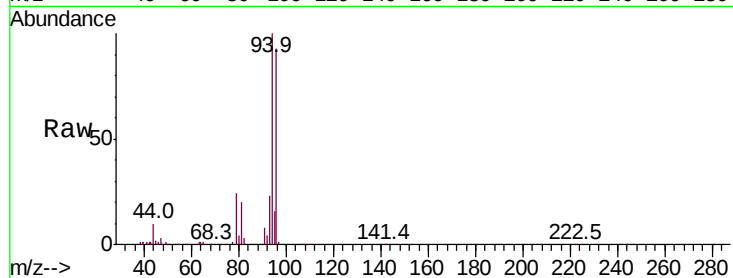
Tot Ion: 94 Resp: 206281

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

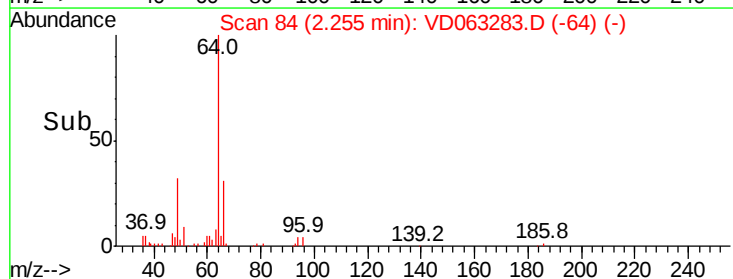
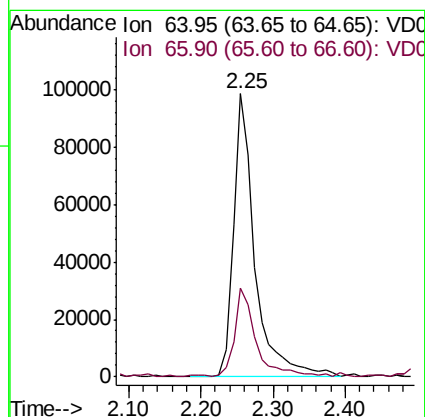
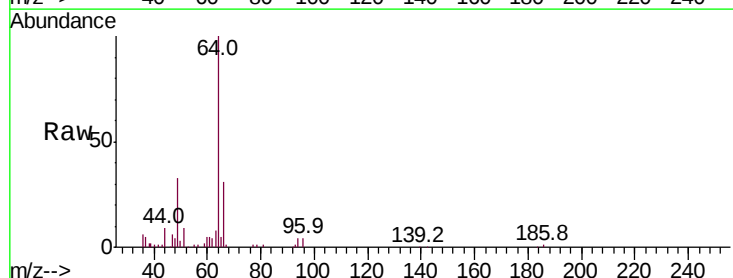
Acq: 31 Jul 2019 17:09

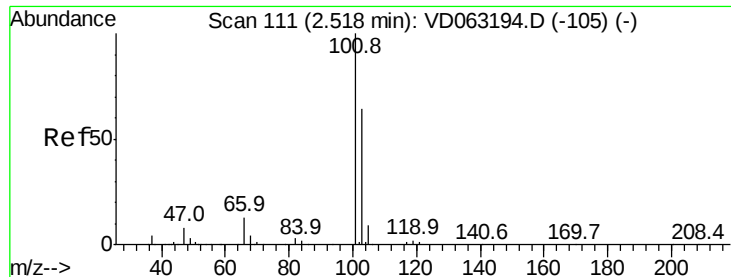
Tgt Ion: 64 Resp: 202714

Ion Ratio Lower Upper

64 100

66 31.3 22.2 33.2



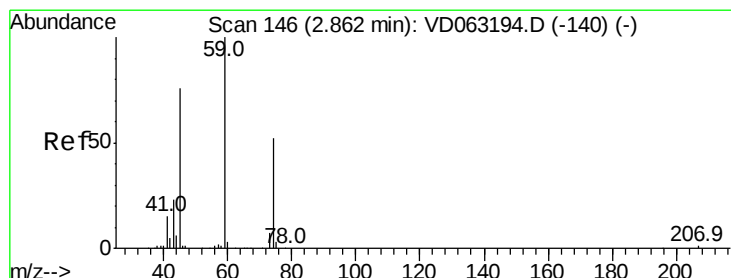
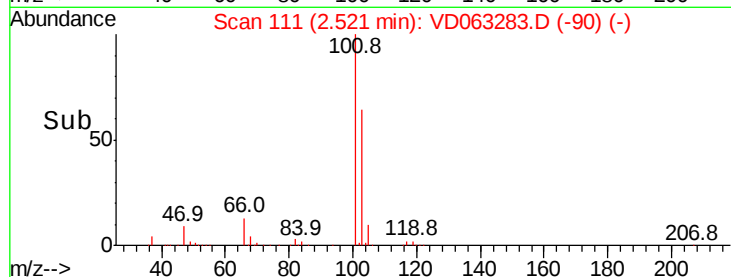
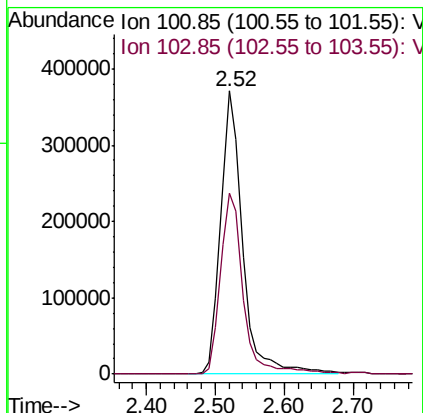
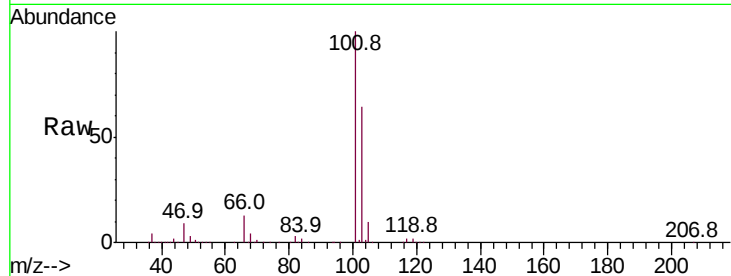


#7

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
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VSTDCCC050EC

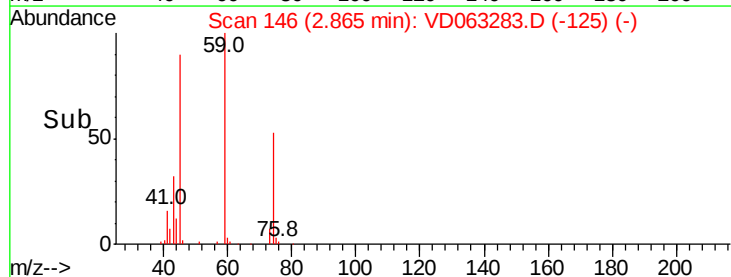
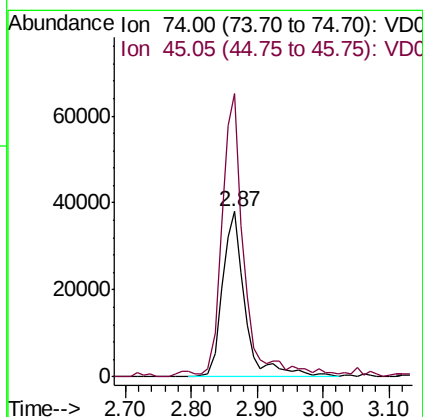
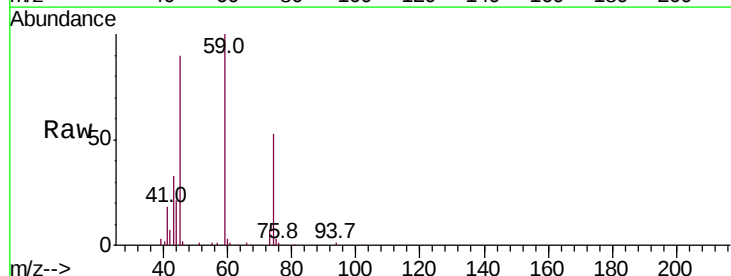
Tot Ion:101 Resp: 826379
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3

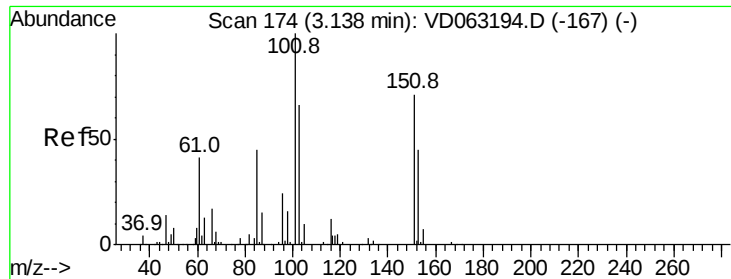


#8

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 :

VSTDCCC050EC

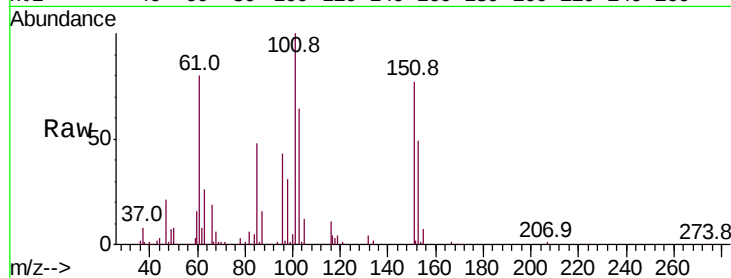
Tot Ion:101 Resp: 444061

Ion Ratio Lower Upper

101 100

85 47.6 36.1 54.1

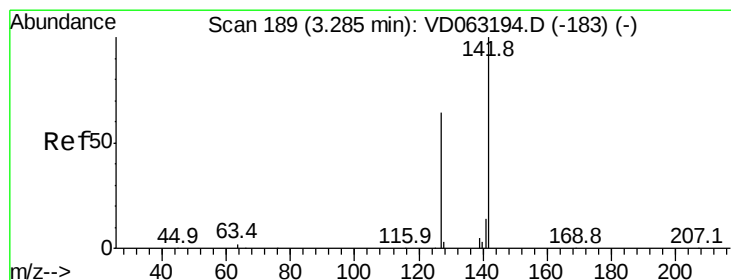
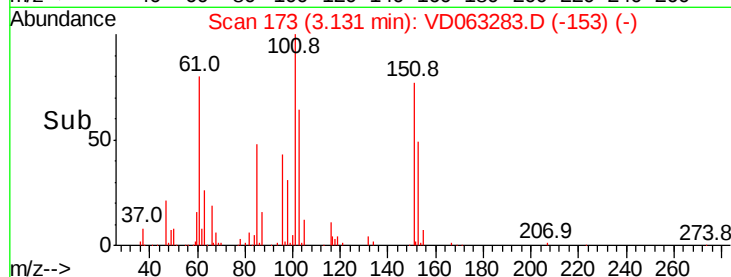
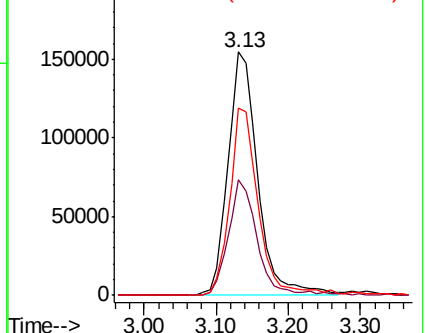
151 76.8 57.1 85.7



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

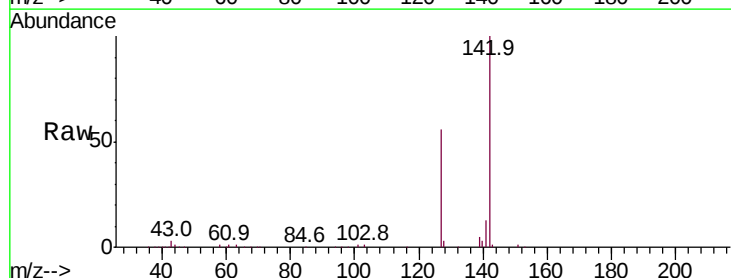
Tgt Ion:142 Resp: 615390

Ion Ratio Lower Upper

142 100

127 56.2 50.8 76.2

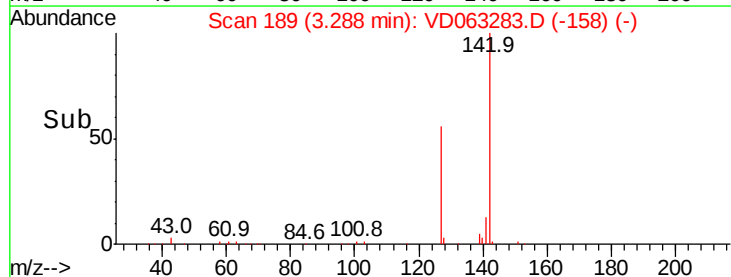
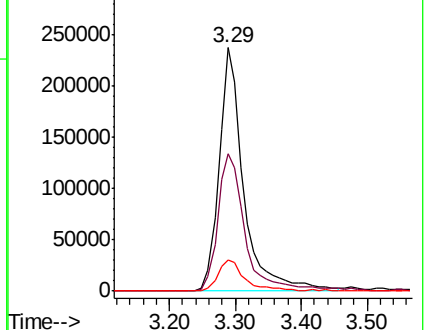
141 12.7 11.4 17.2

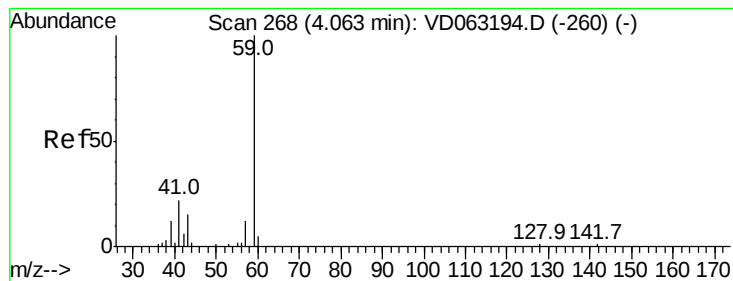


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



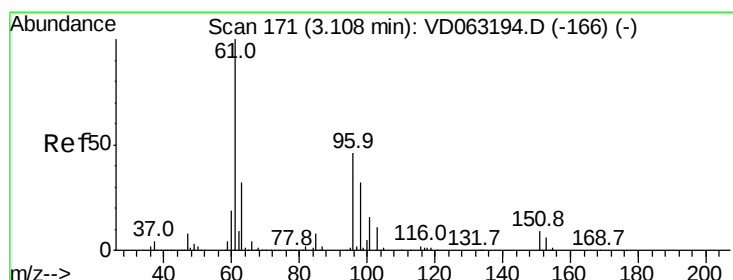
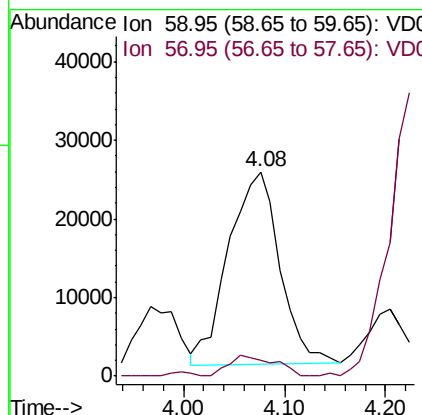
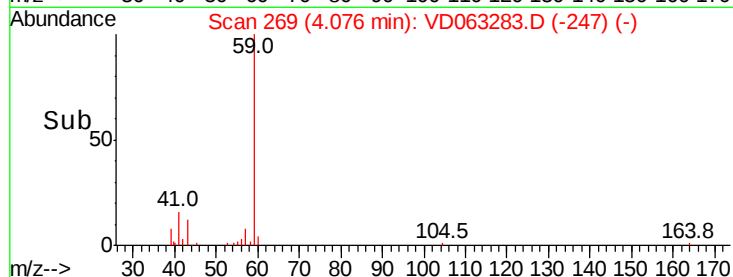
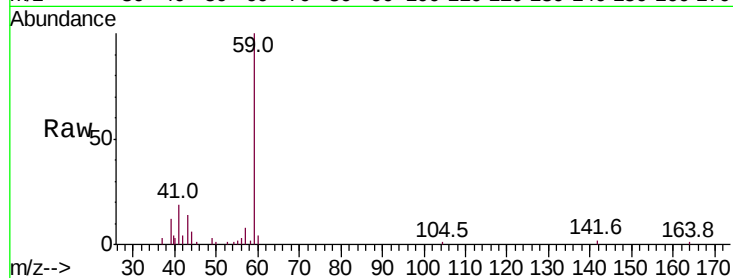


#11

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
ClientSampleId :
VSTDCCC050EC

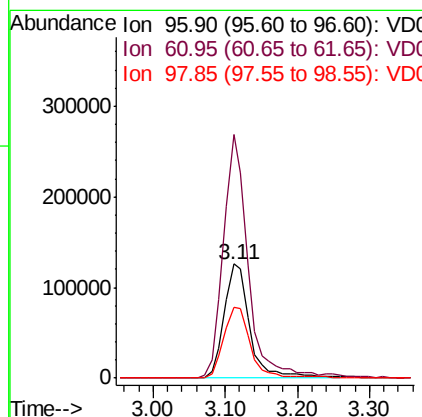
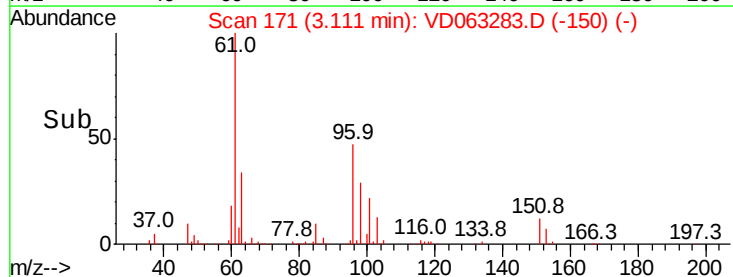
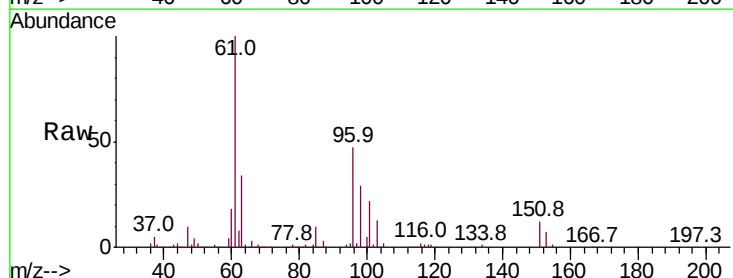
Tot Ion: 59 Resp: 86761
Ion Ratio Lower Upper
59 100
57 7.8 9.6 14.4#

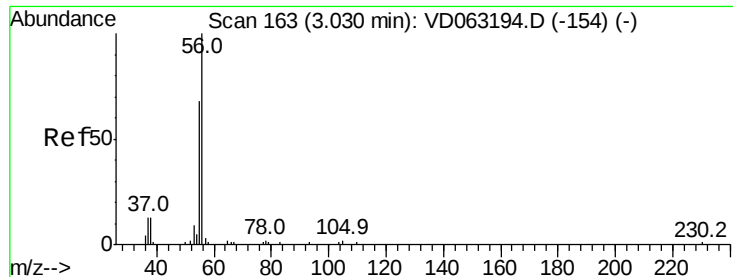


#12

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 :

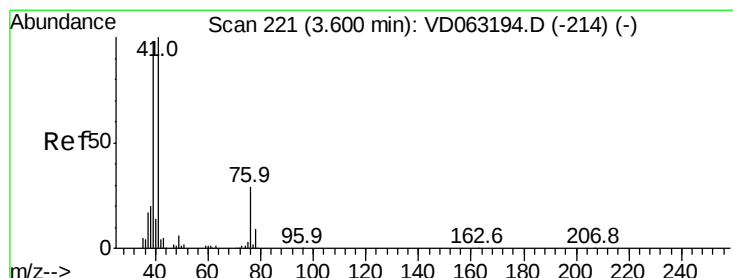
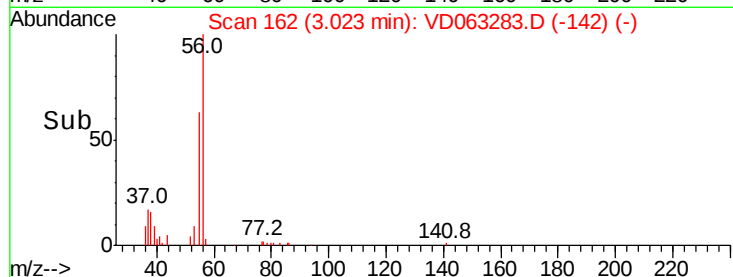
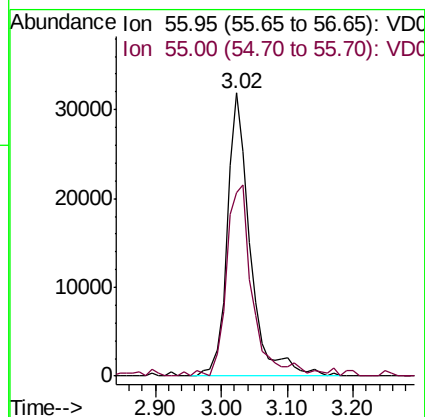
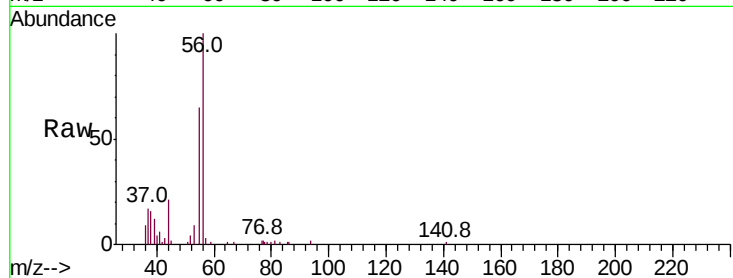
VSTDCCC050EC

Tot Ion: 56 Resp: 77936

Ion Ratio Lower Upper

56 100

55 64.8 55.3 82.9



#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

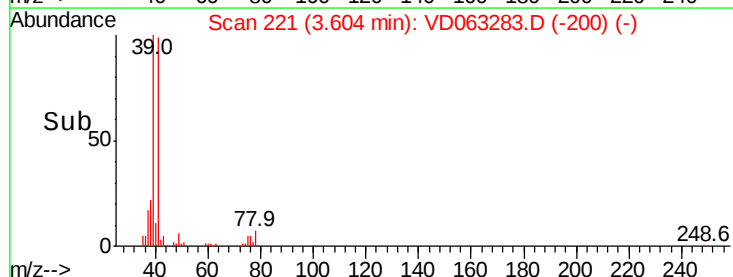
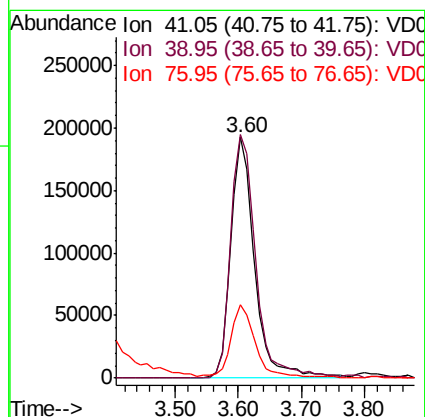
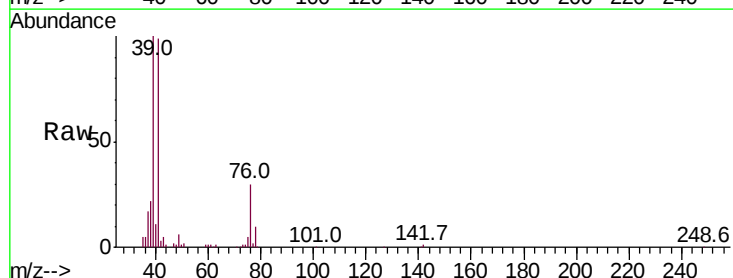
Tgt Ion: 41 Resp: 502850

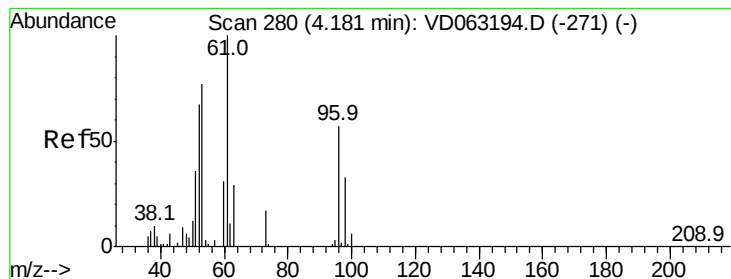
Ion Ratio Lower Upper

41 100

39 101.0 78.6 117.8

76 30.2 24.5 36.7





#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

ClientSampleId :

VSTDCCC050EC

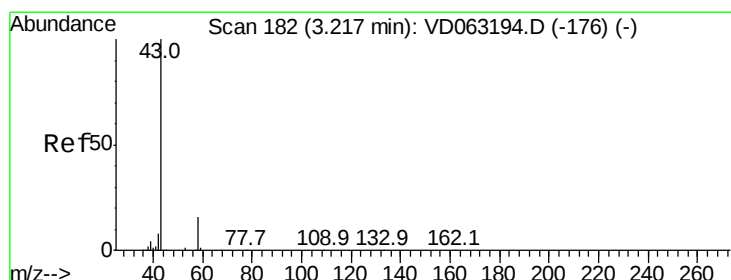
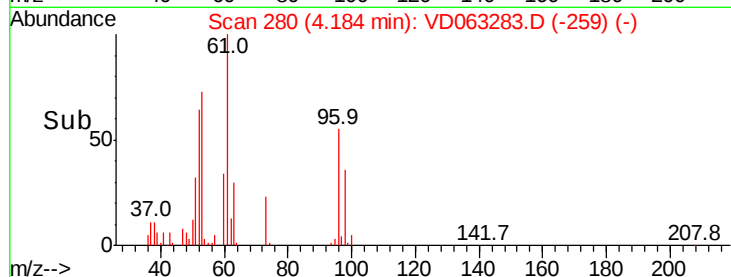
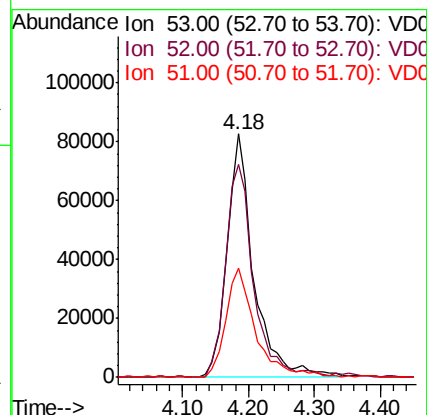
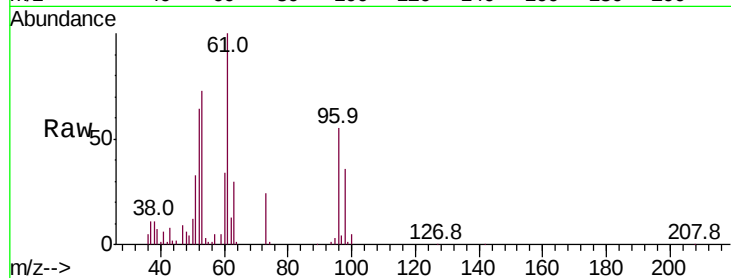
Tot Ion: 53 Resp: 234383

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

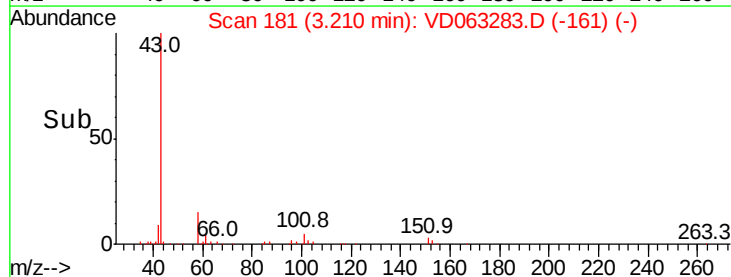
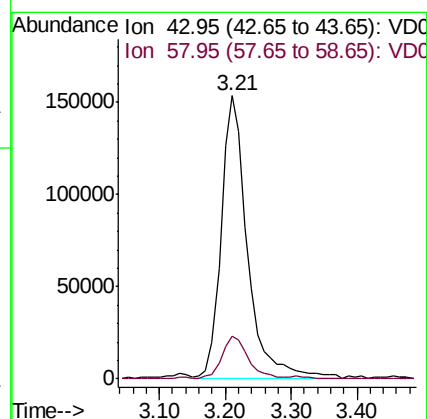
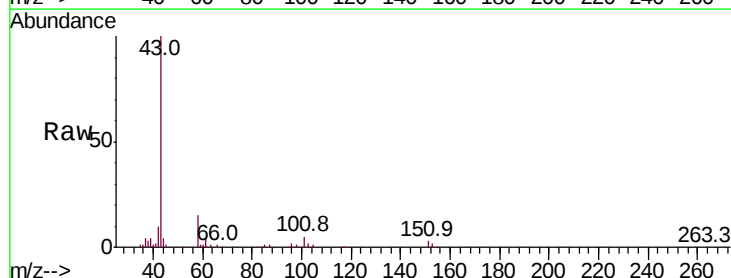
Acq: 31 Jul 2019 17:09

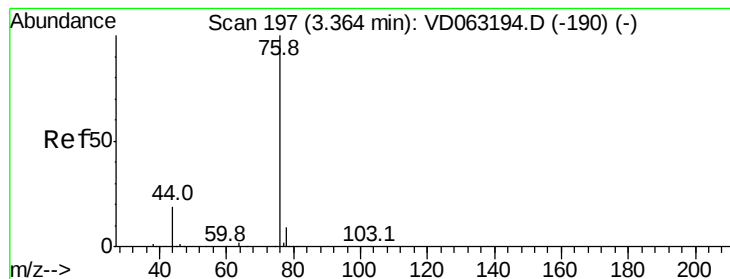
Tgt Ion: 43 Resp: 428439

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 :

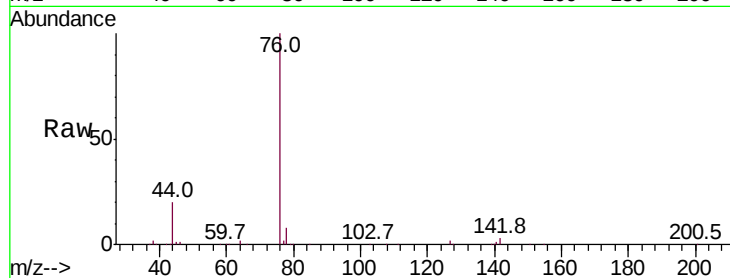
VSTDCCC050EC

Tot Ion: 76 Resp: 1023962

Ion Ratio Lower Upper

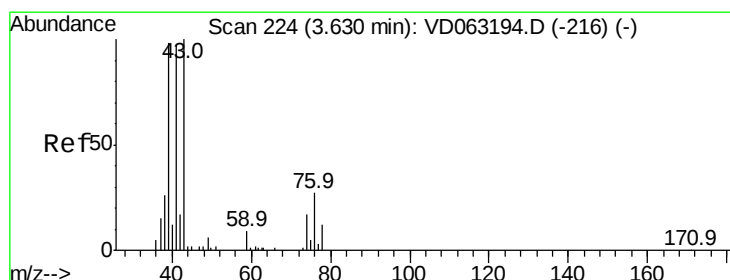
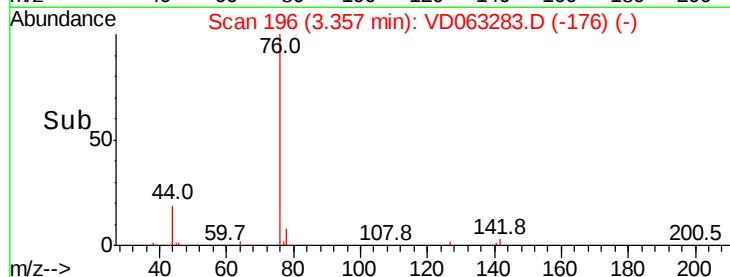
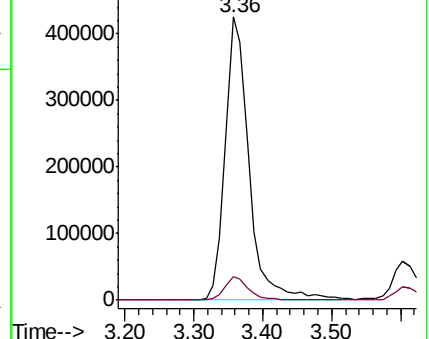
76 100

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

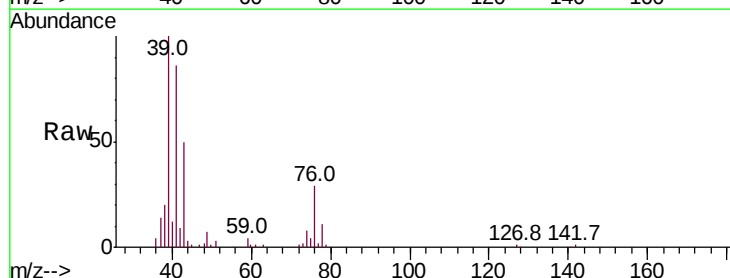
Acq: 31 Jul 2019 17:09

Tgt Ion: 43 Resp: 148465

Ion Ratio Lower Upper

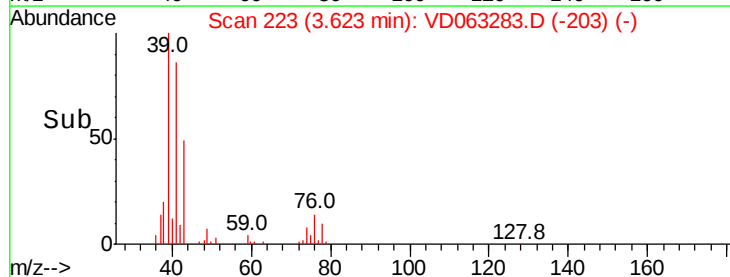
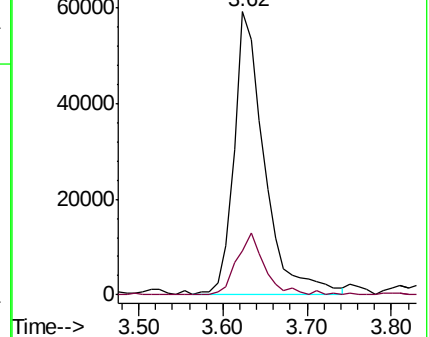
43 100

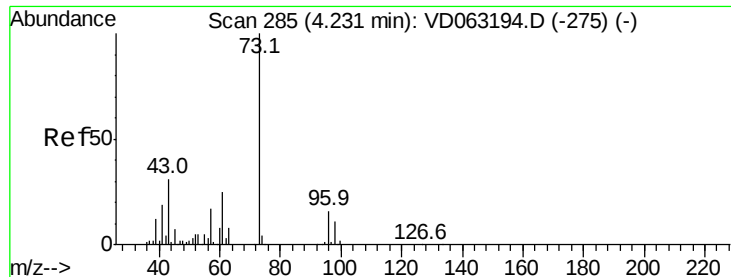
74 15.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



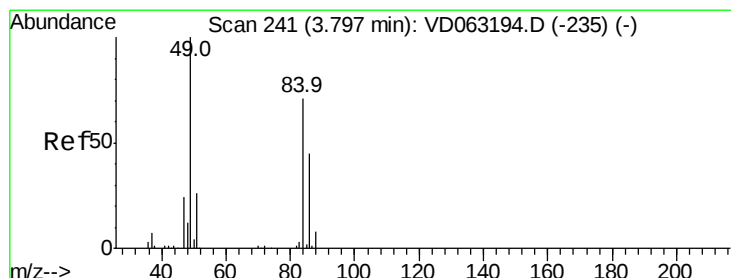
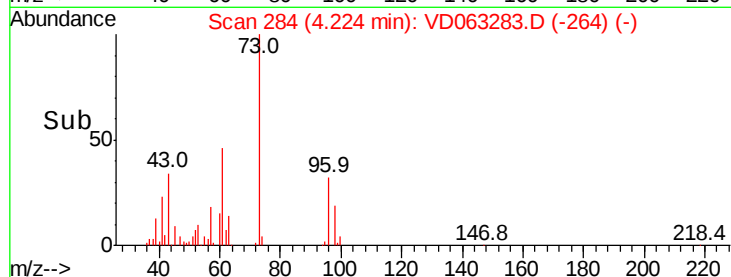
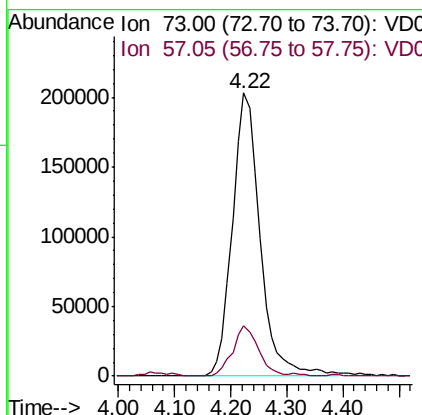
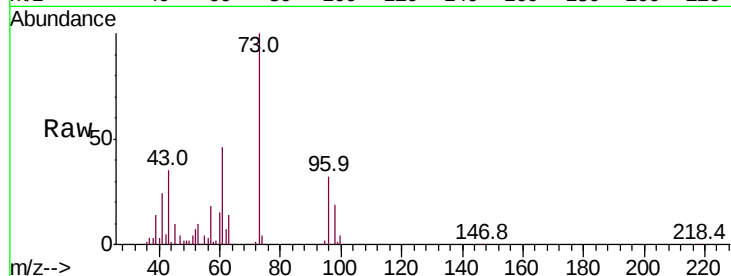


#19

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 :
 VSTDCCC050EC

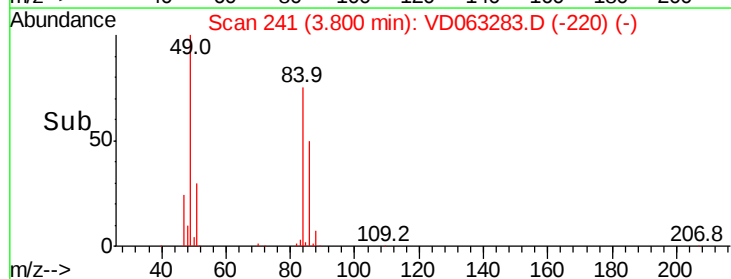
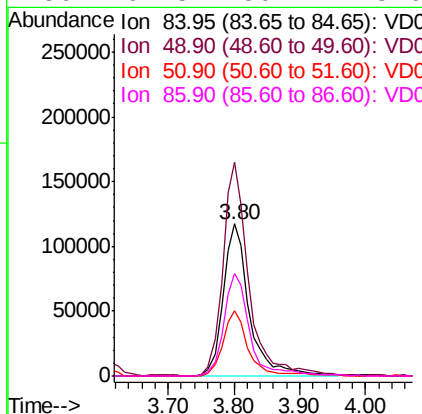
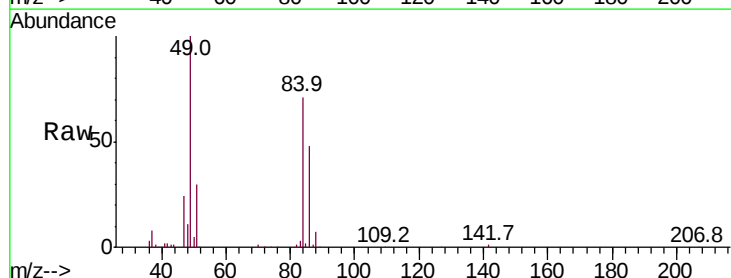
Tot Ion: 73 Resp: 697669
 Ion Ratio Lower Upper
 73 100
 57 17.7 13.8 20.6

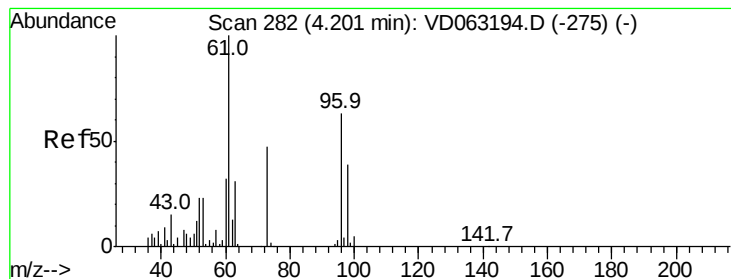


#20

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

ClientSampleId :

VSTDCCC050EC

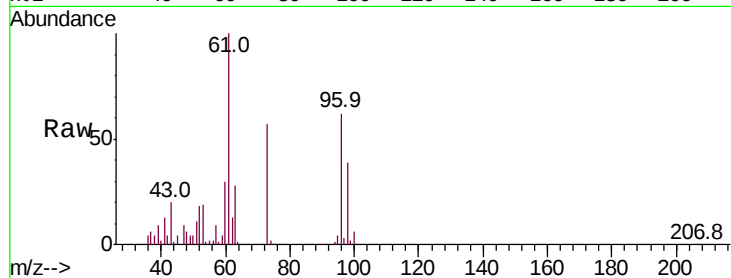
Tot Ion: 96 Resp: 352251

Ion Ratio Lower Upper

96 100

61 160.8 127.4 191.2

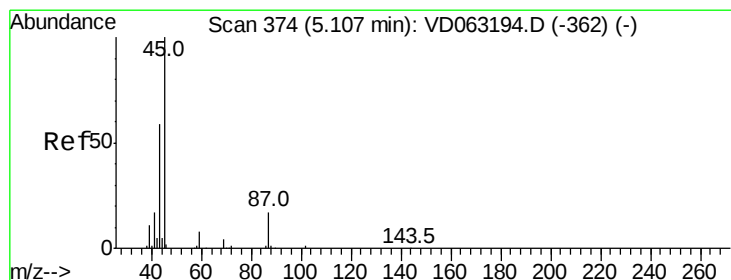
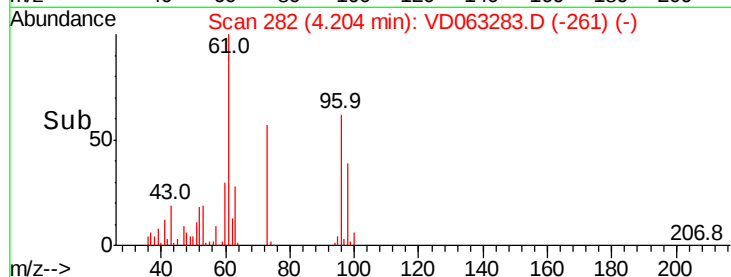
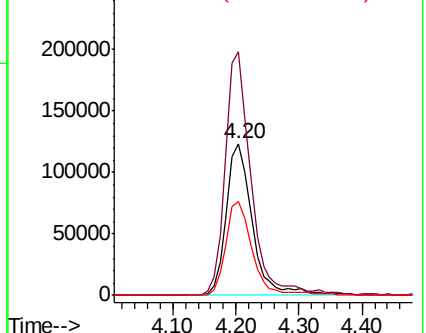
98 62.3 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 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

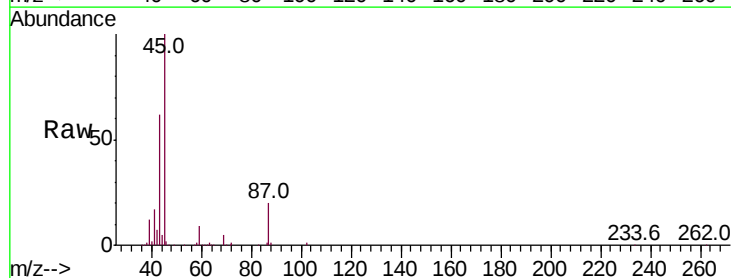
Ion Ratio Lower Upper

45 100

43 62.2 51.7 77.5

87 19.8 14.6 21.8

59 8.9 6.6 10.0

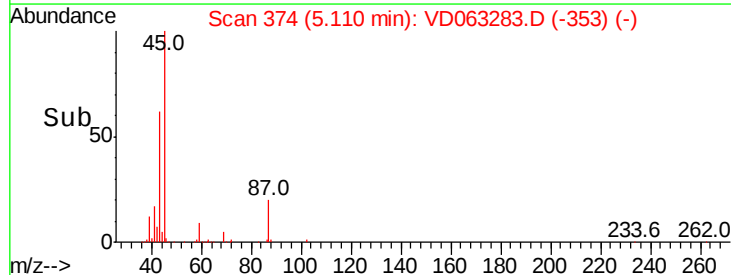
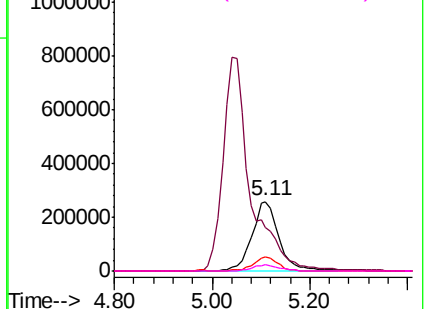


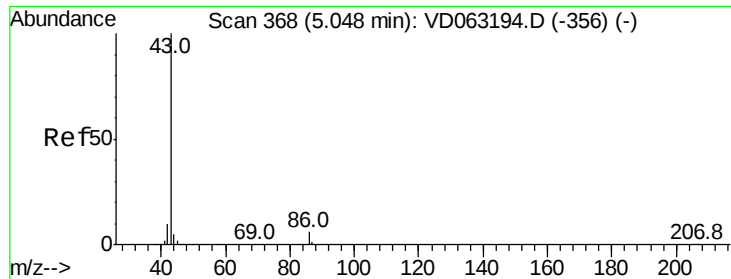
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 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

ClientSampleId :

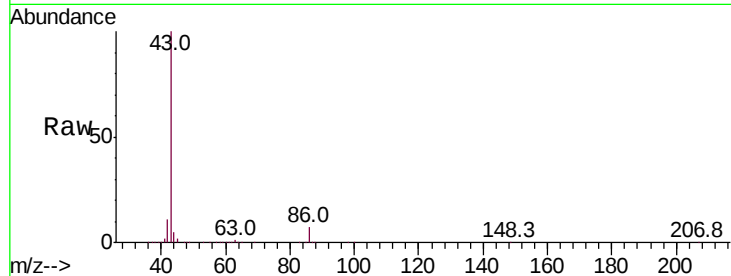
VSTDCCC050EC

Tot Ion: 43 Resp: 3058721

Ion Ratio Lower Upper

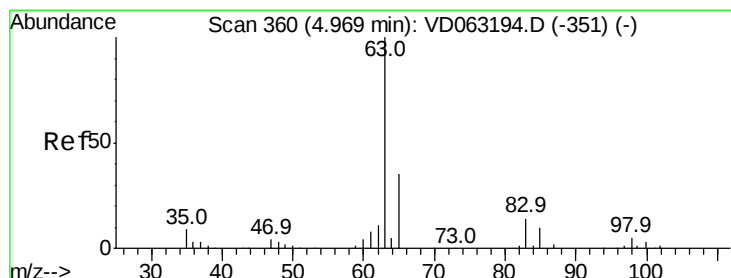
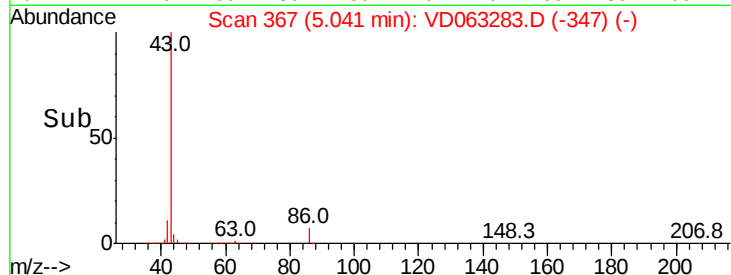
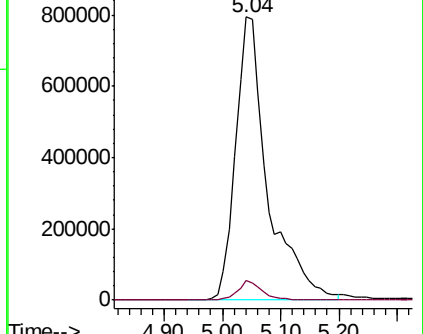
43 100

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

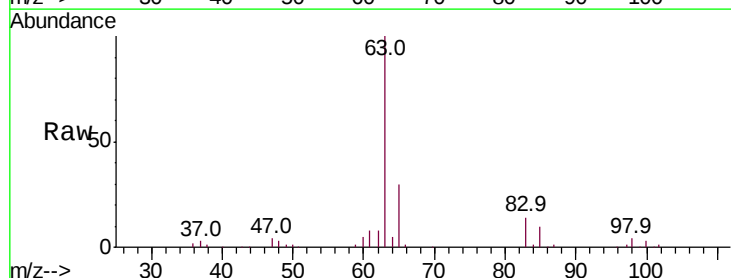
Tgt Ion: 63 Resp: 635254

Ion Ratio Lower Upper

63 100

98 3.7 2.8 8.4

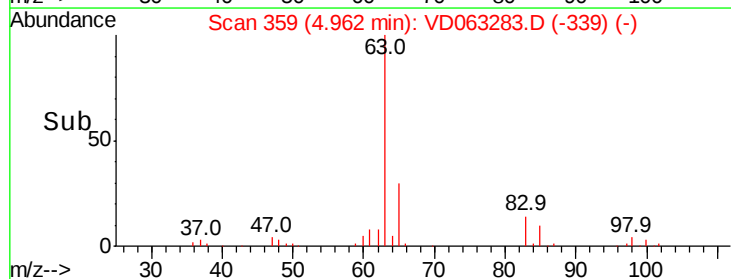
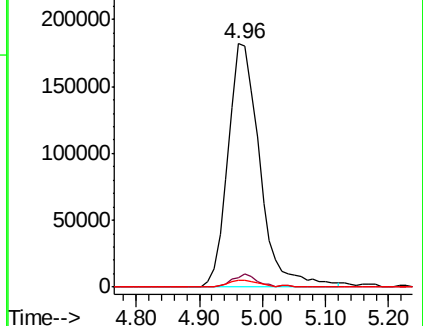
100 2.8 1.3 3.9

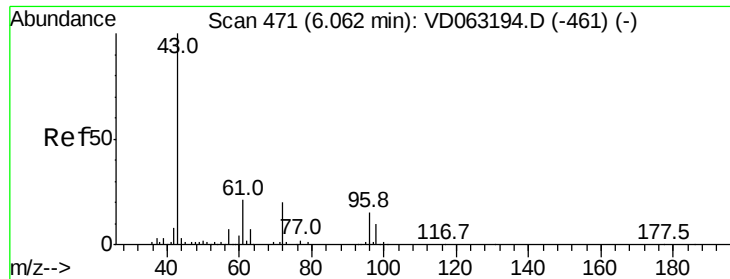


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

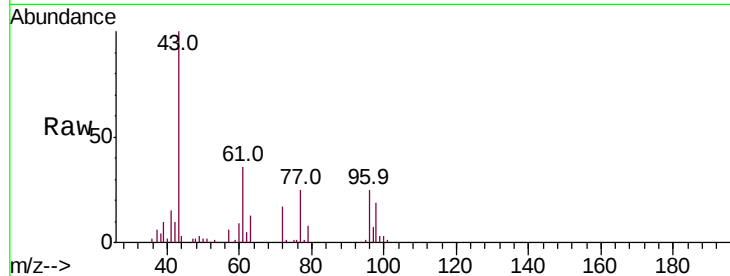
VSTDCCC050EC

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

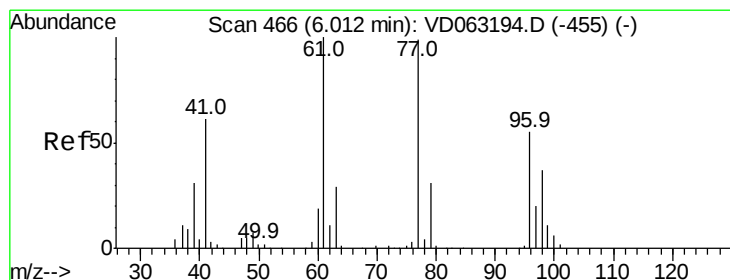
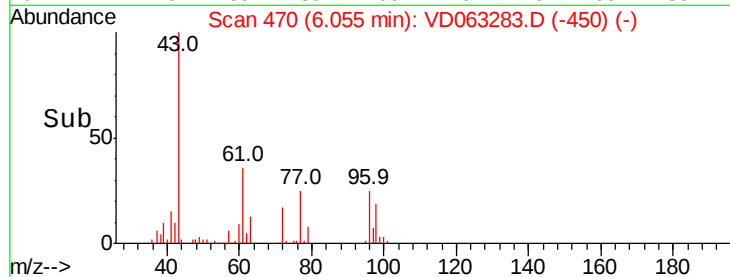
100000

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

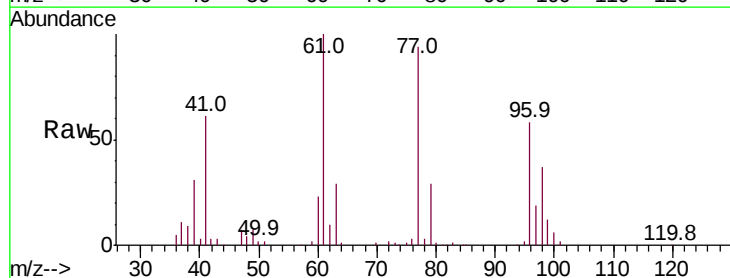
Acq: 31 Jul 2019 17:09

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

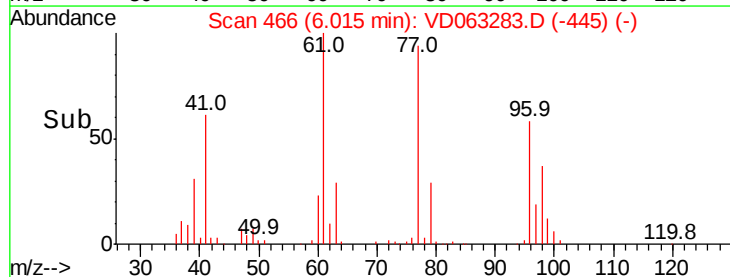
100000

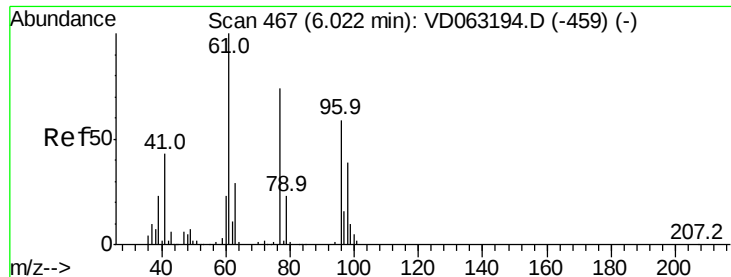
50000

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 :

VSTDCCC050EC

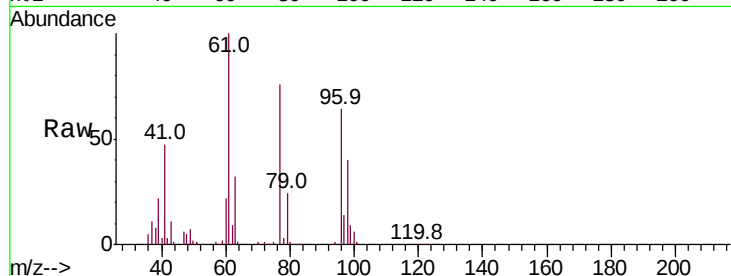
Tot Ion: 96 Resp: 375407

Ion Ratio Lower Upper

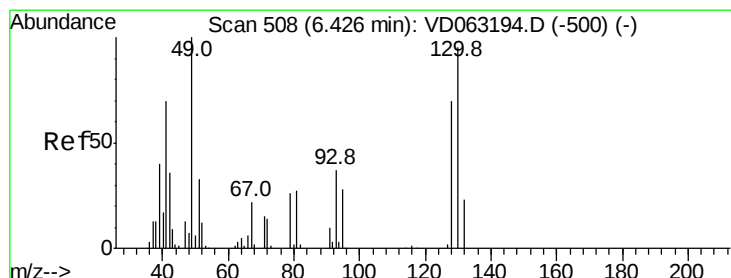
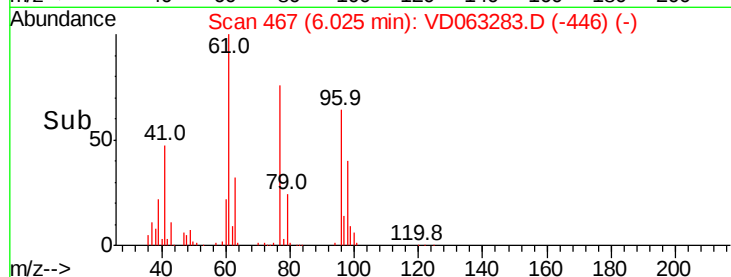
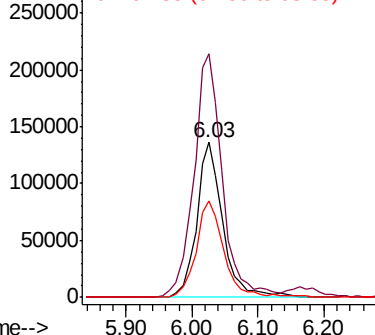
96 100

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

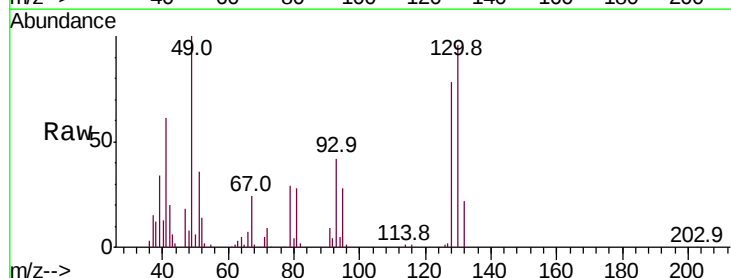
Tgt Ion: 49 Resp: 293049

Ion Ratio Lower Upper

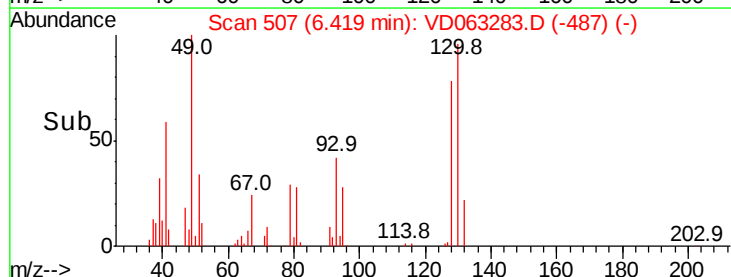
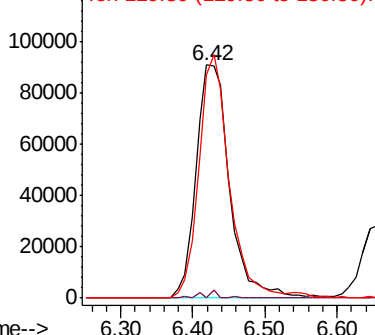
49 100

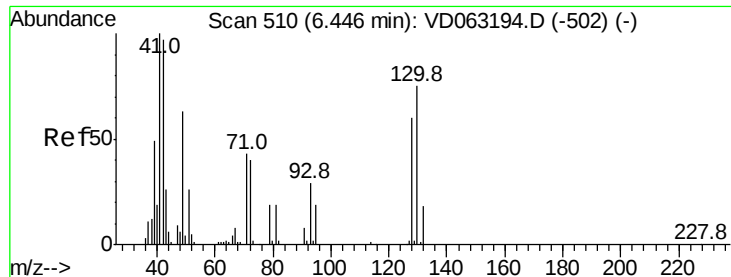
129 0.0 0.0 0.0

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 :

VSTDCCC050EC

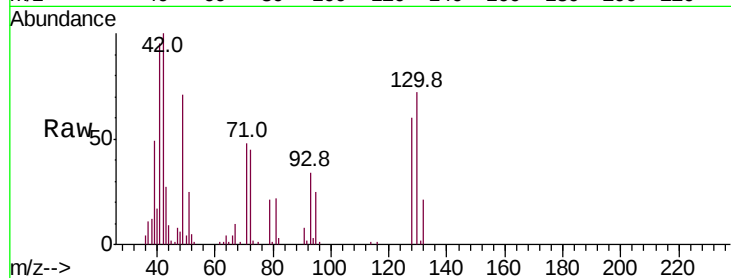
Tot Ion: 42 Resp: 191532

Ion Ratio Lower Upper

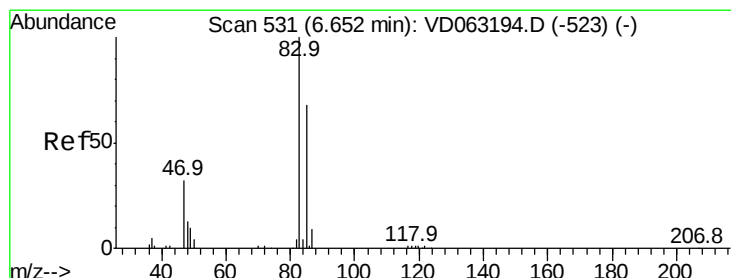
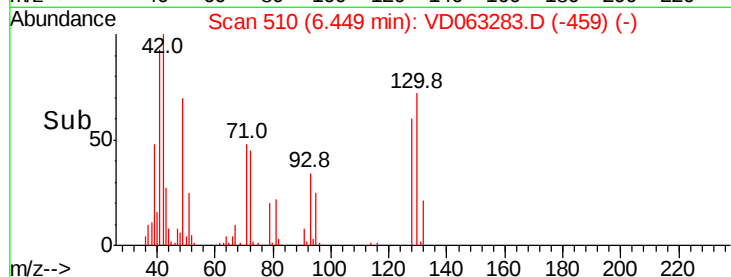
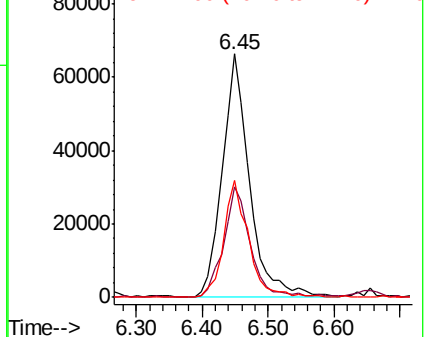
42 100

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

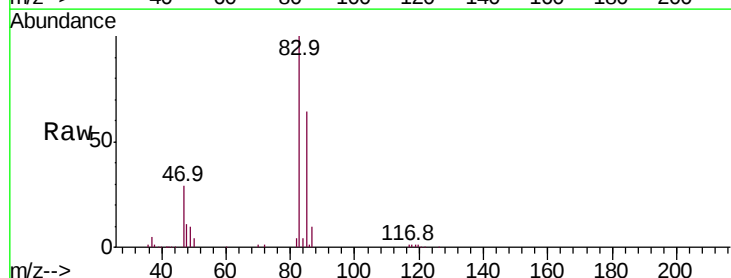
Acq: 31 Jul 2019 17:09

Tgt Ion: 83 Resp: 829000

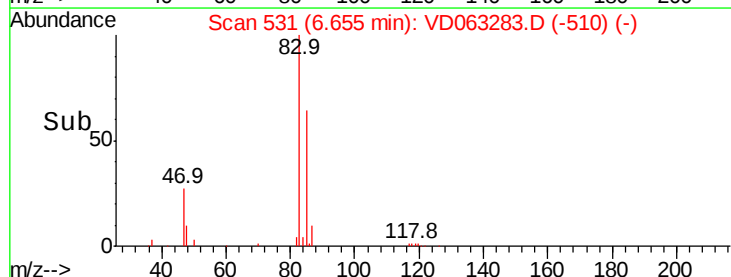
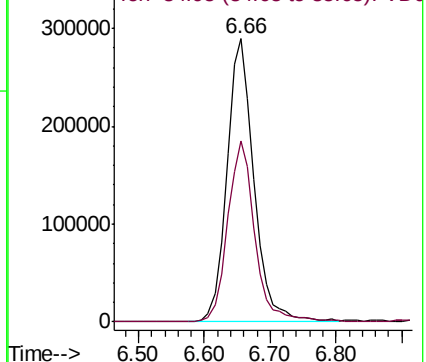
Ion Ratio Lower Upper

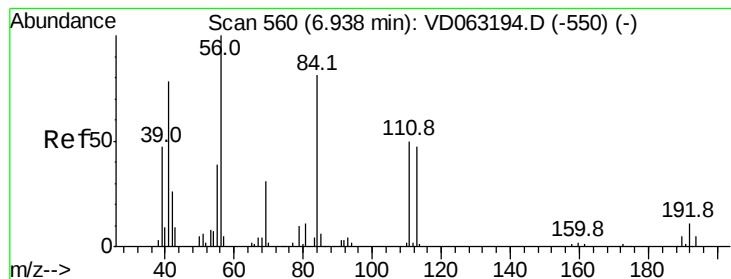
83 100

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 :

VSTDCCC050EC

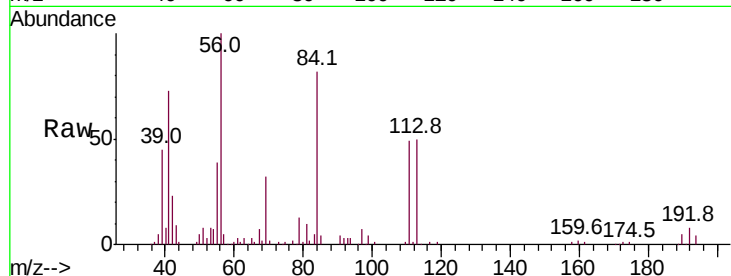
Tot Ion: 56 Resp: 396449

Ion Ratio Lower Upper

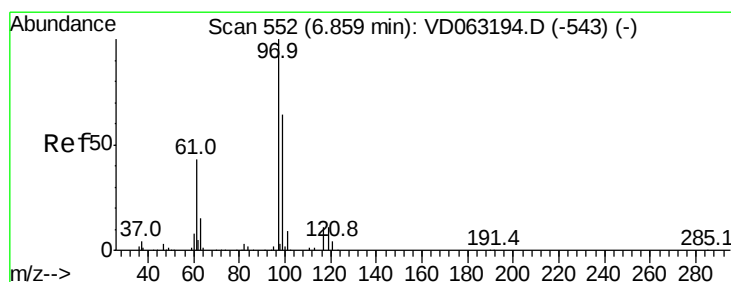
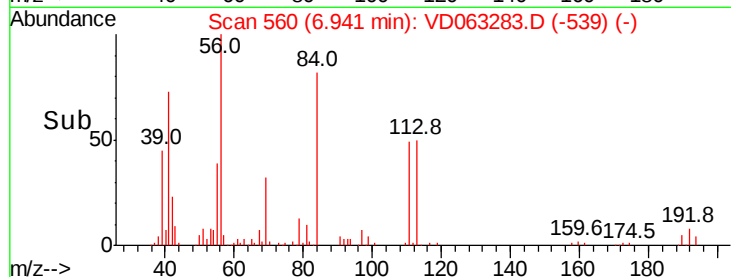
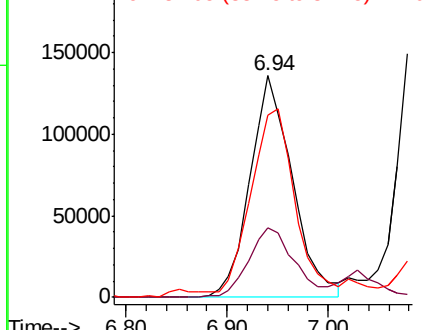
56 100

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

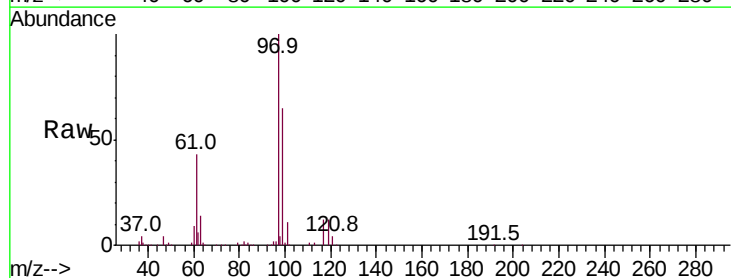
Tgt Ion: 97 Resp: 810952

Ion Ratio Lower Upper

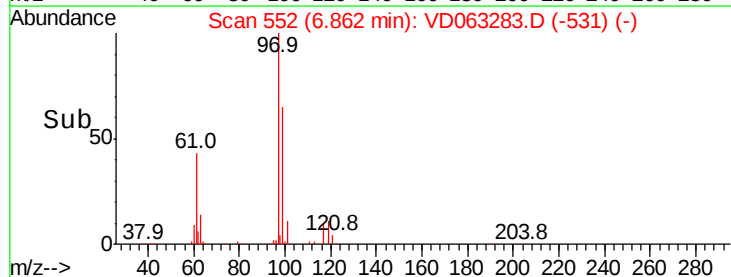
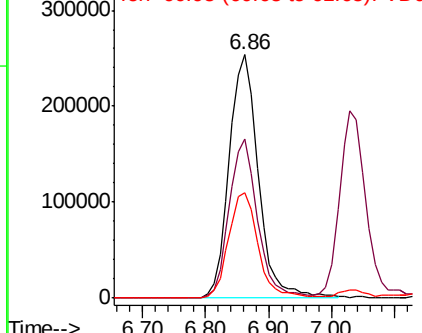
97 100

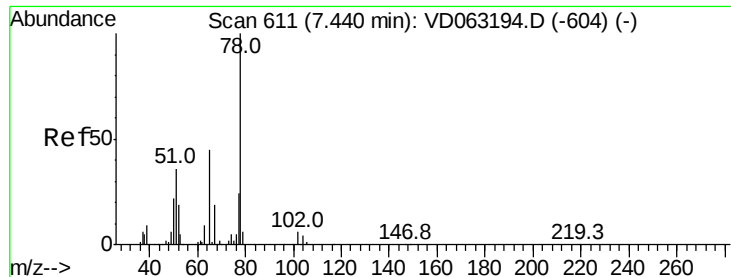
99 65.2 51.2 76.8

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

ClientSampleId :

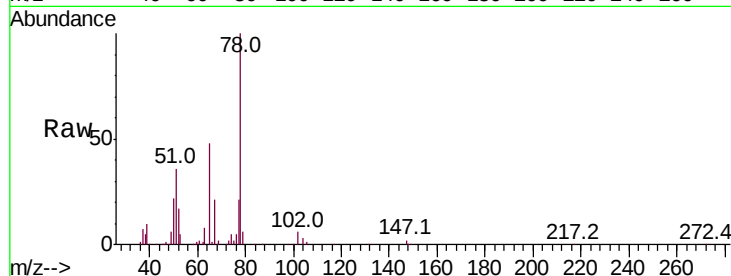
VSTDCCC050EC

Tot Ion: 65 Resp: 508222

Ion Ratio Lower Upper

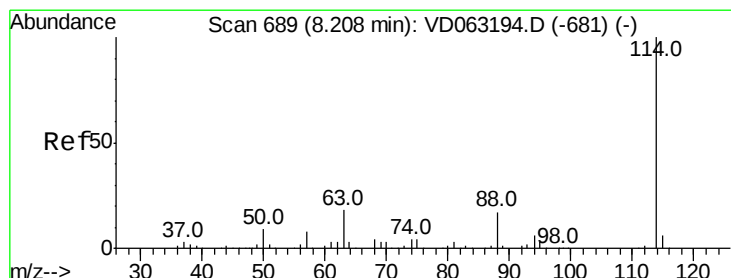
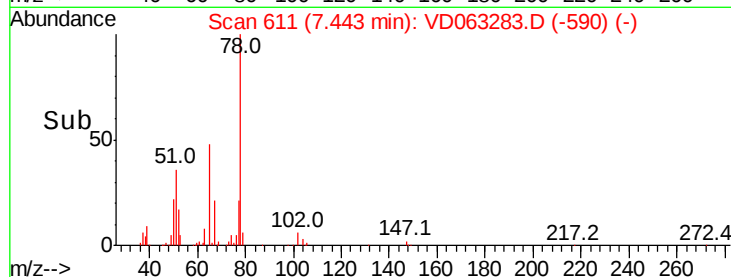
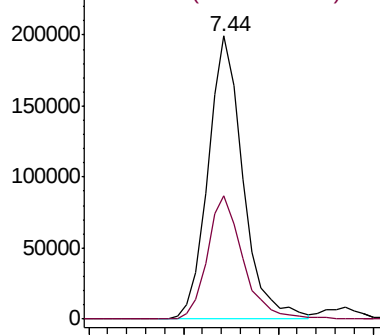
65 100

67 43.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

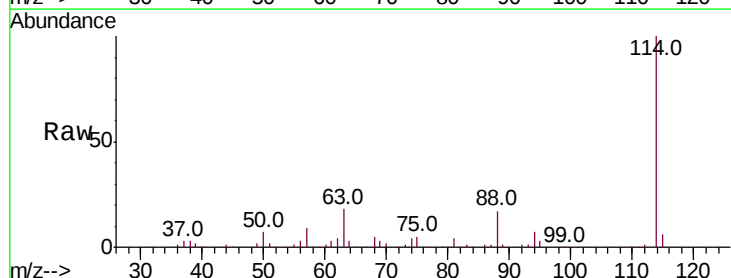
Tgt Ion: 114 Resp: 1257039

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.2

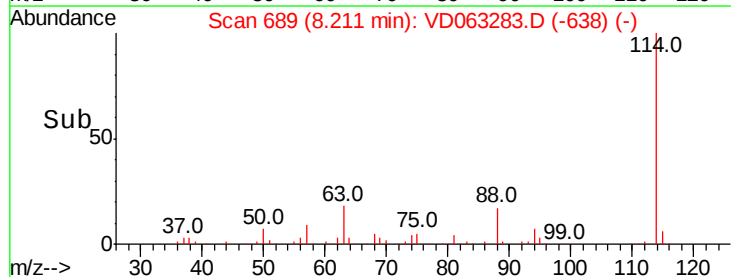
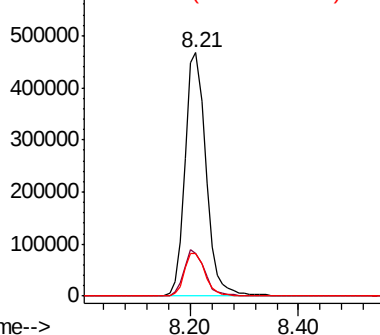
88 17.4 0.0 34.6

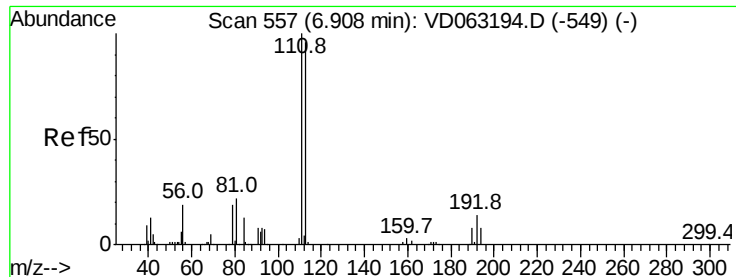


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 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

ClientSampleId :

VSTDCCC050EC

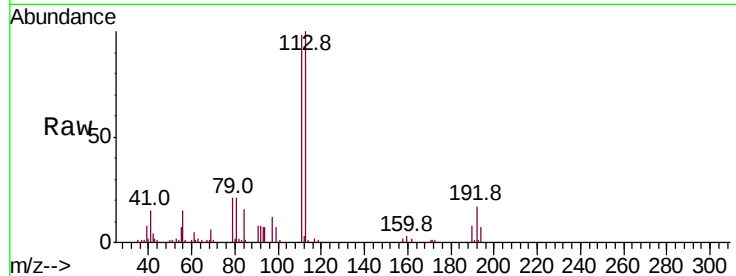
Tot Ion:113 Resp: 533762

Ion Ratio Lower Upper

113 100

111 98.4 83.2 124.8

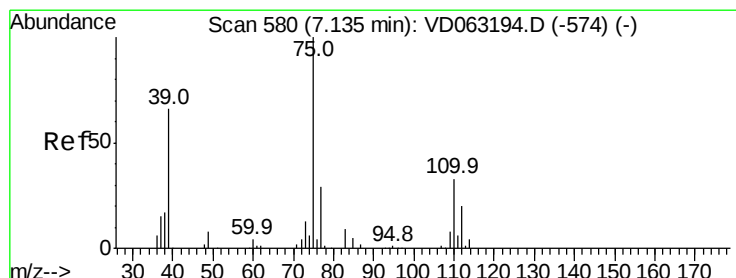
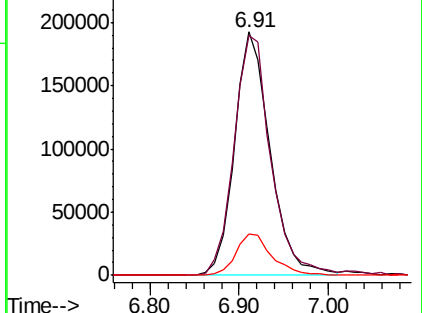
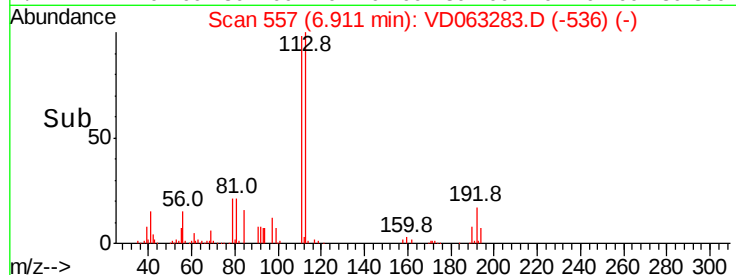
192 17.1 11.8 17.8



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

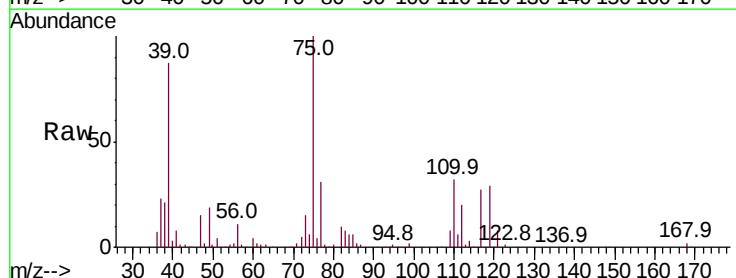
Tgt Ion: 75 Resp: 539298

Ion Ratio Lower Upper

75 100

110 32.3 16.1 48.2

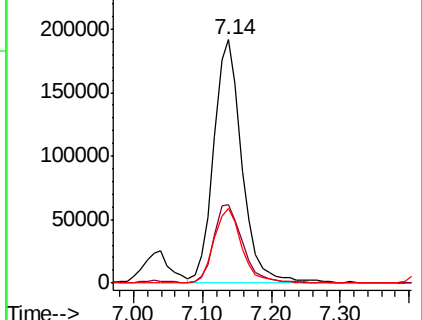
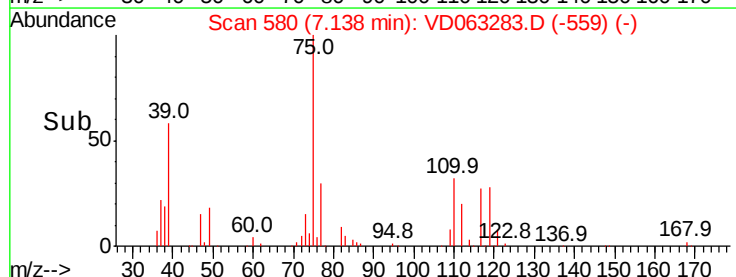
77 30.6 22.7 34.1

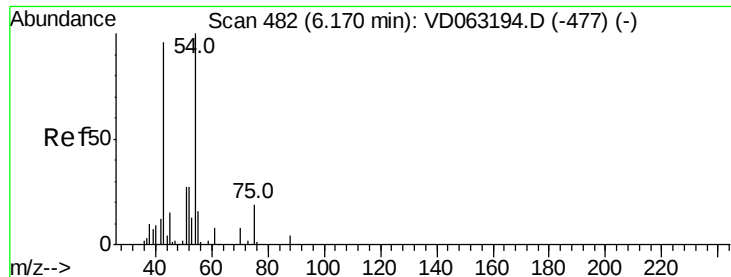


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

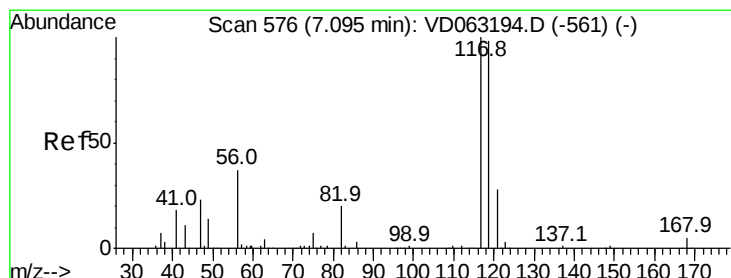
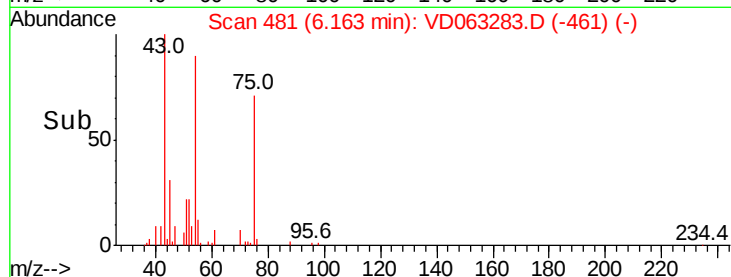
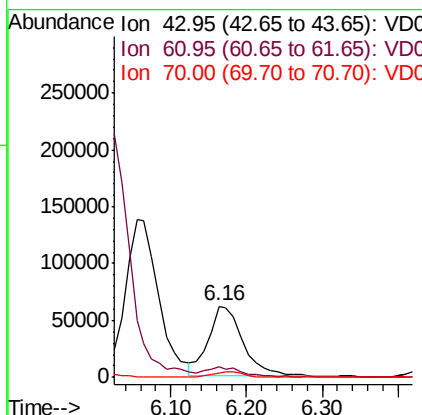
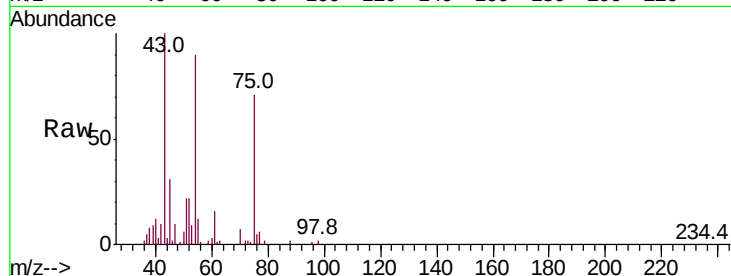




#37
Ethyl Acetate
Concen: 38.023 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

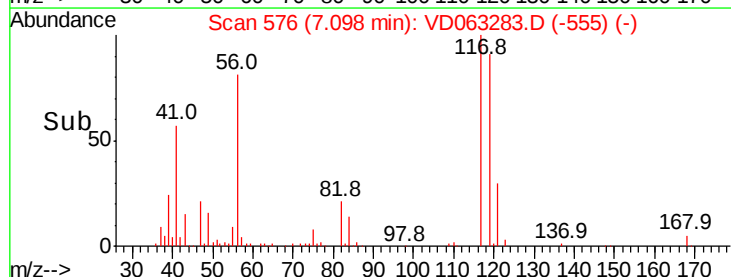
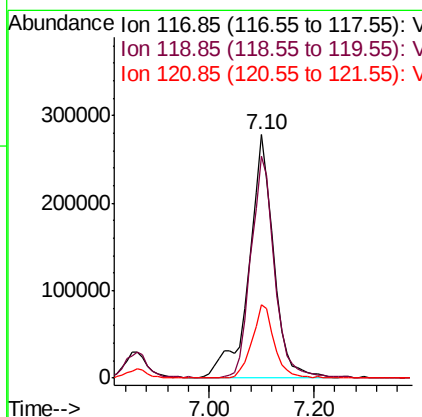
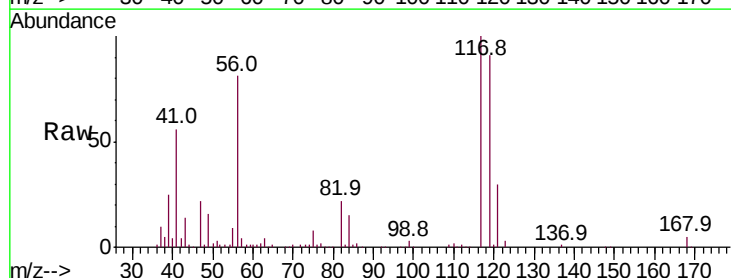
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

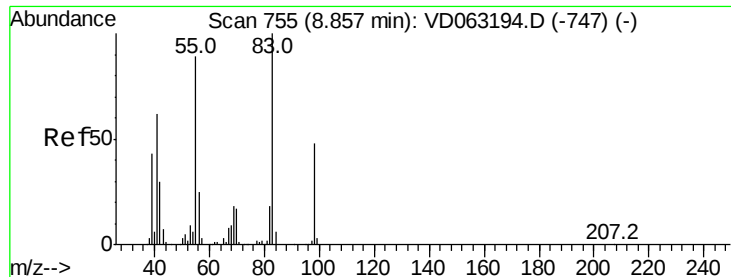
Tot Ion: 43 Resp: 195967
Ion Ratio Lower Upper
43 100
61 15.8 11.3 16.9
70 6.7 5.1 7.7



#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

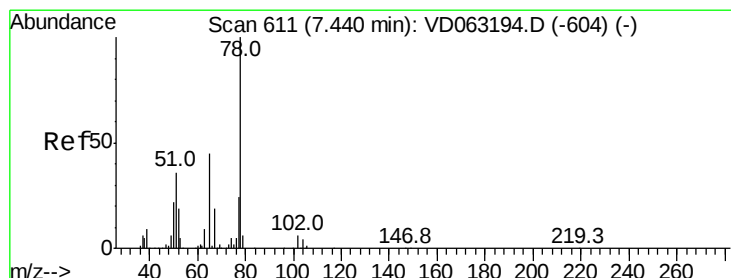
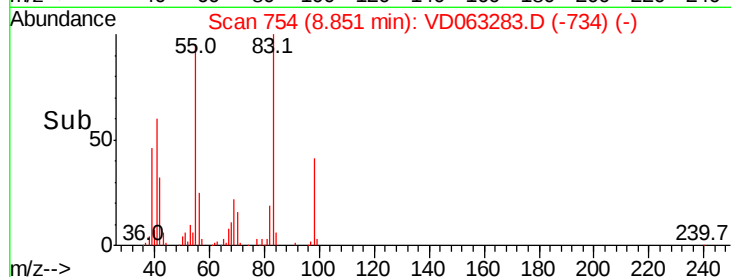
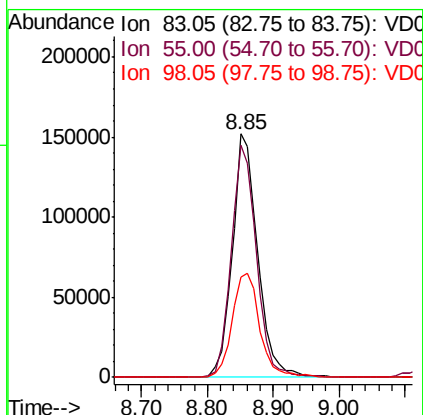
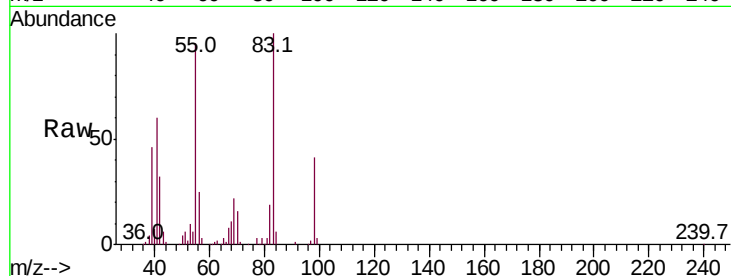




#39
Methylcyclohexane
Concen: 43.038 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

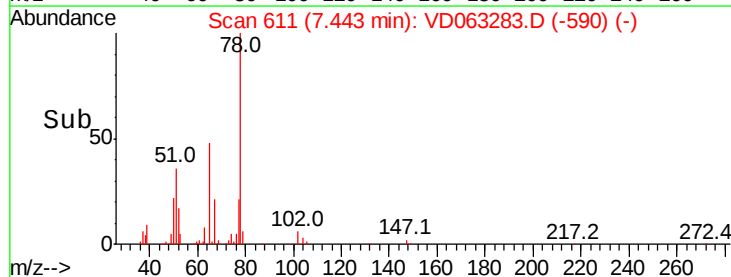
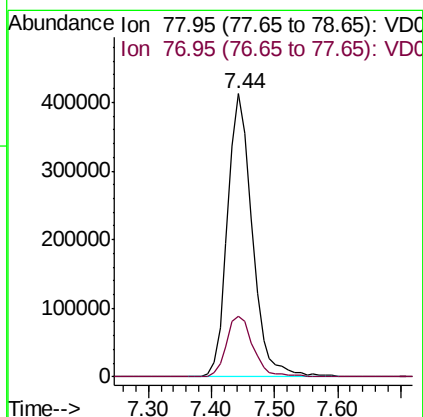
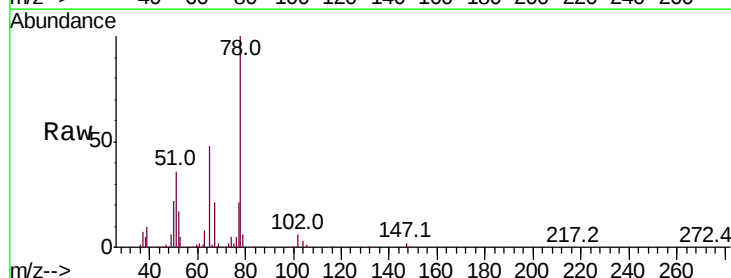
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

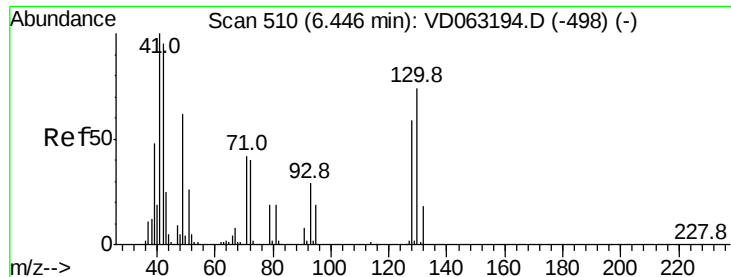
Tot Ion: 83 Resp: 411365
Ion Ratio Lower Upper
83 100
55 95.3 71.1 106.7
98 41.4 38.5 57.7



#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

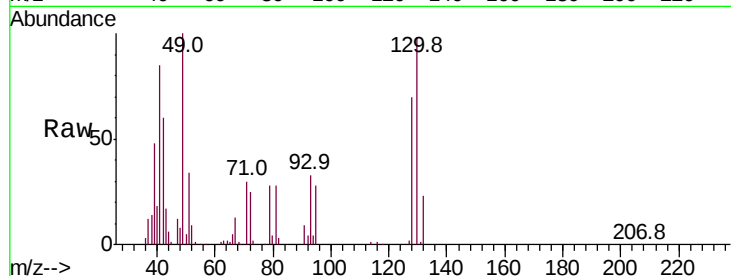




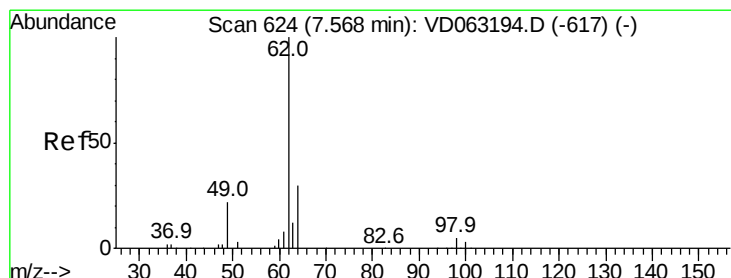
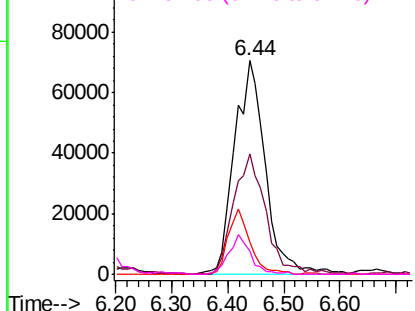
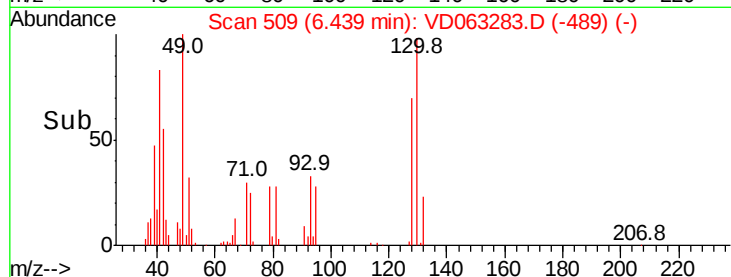
#41
Methacrylonitrile
Concen: 43.634 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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#

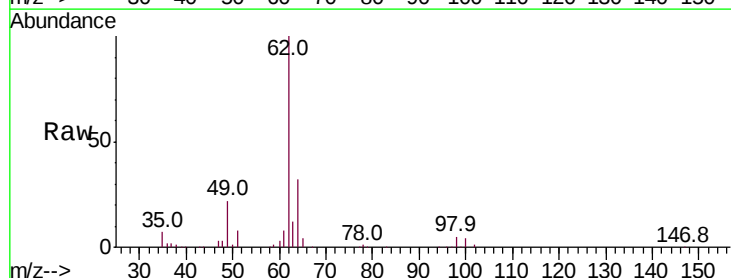


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

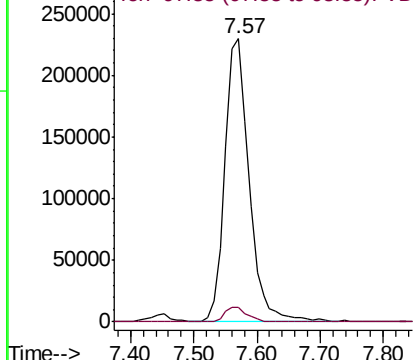
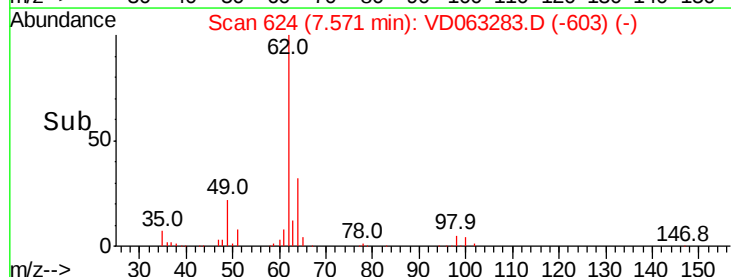


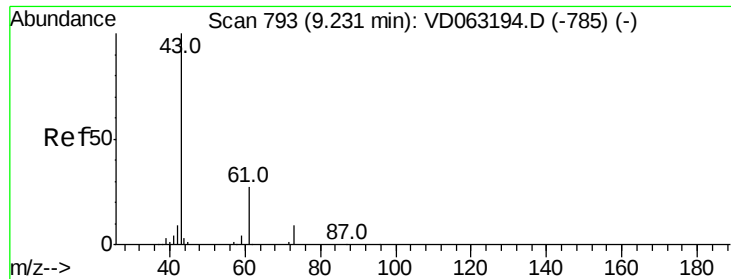
#42
1,2-Dichloroethane
Concen: 48.140 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

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 :

VSTDCCC050EC

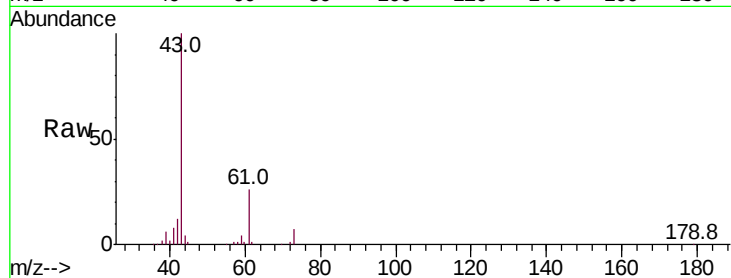
Tot Ion: 43 Resp: 294290

Ion Ratio Lower Upper

43 100

61 26.4 21.4 32.0

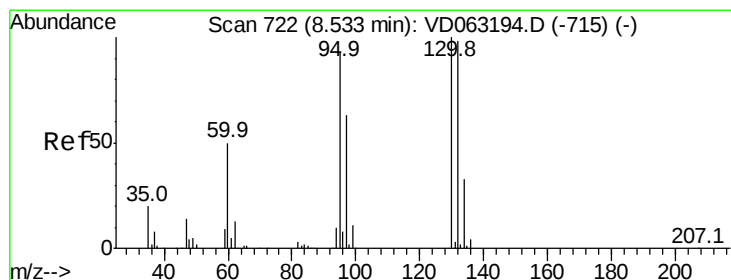
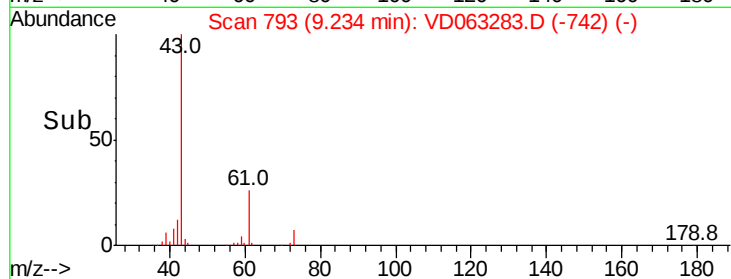
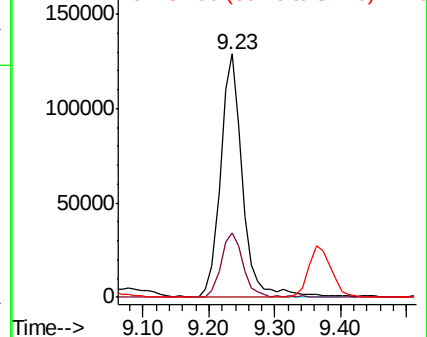
87 0.0 0.2 0.4#



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

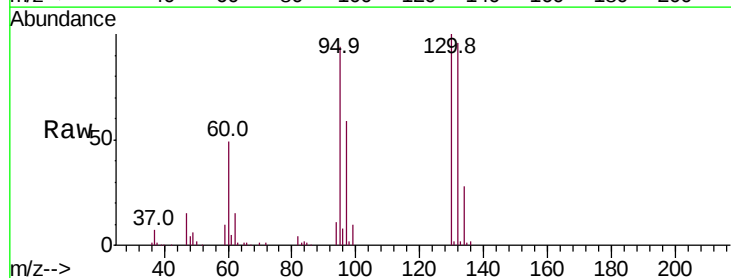
Acq: 31 Jul 2019 17:09

Tgt Ion:130 Resp: 451197

Ion Ratio Lower Upper

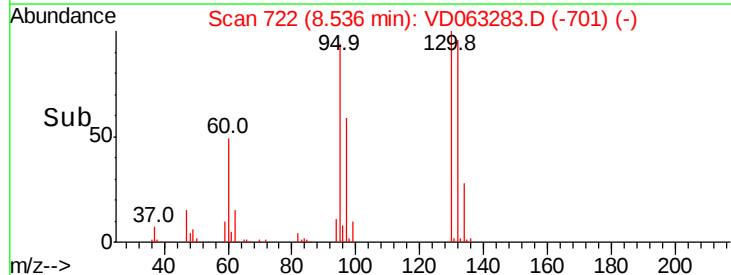
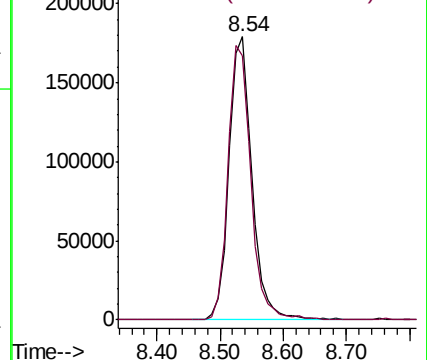
130 100

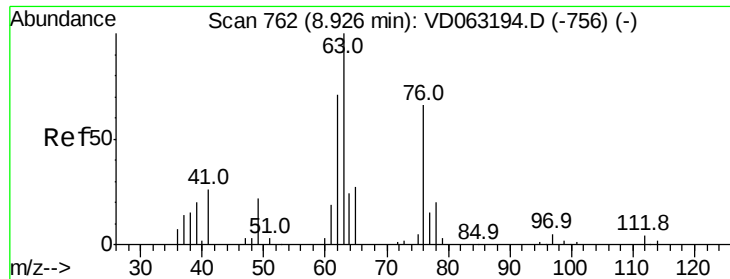
95 93.5 0.0 185.4



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 :

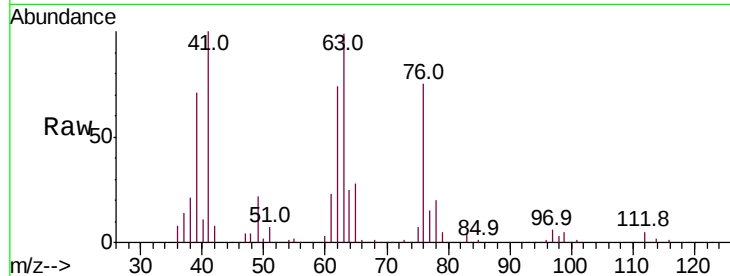
VSTDCCC050EC

Tot Ion: 63 Resp: 269528

Ion Ratio Lower Upper

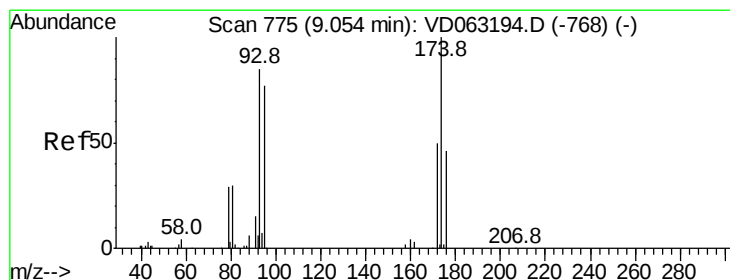
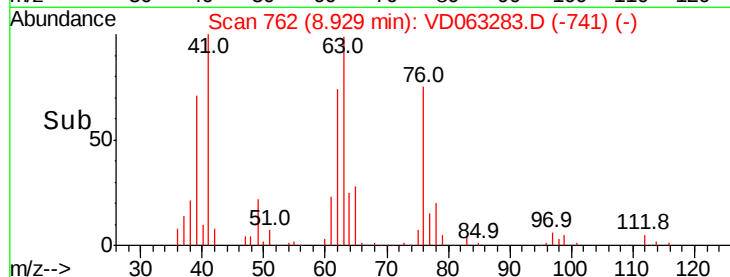
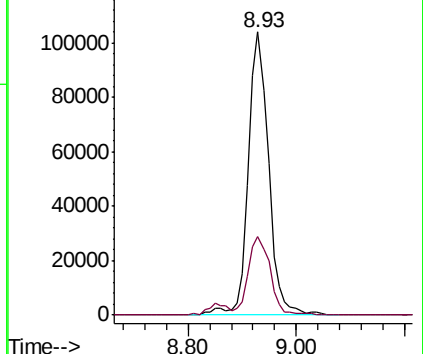
63 100

65 27.8 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 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

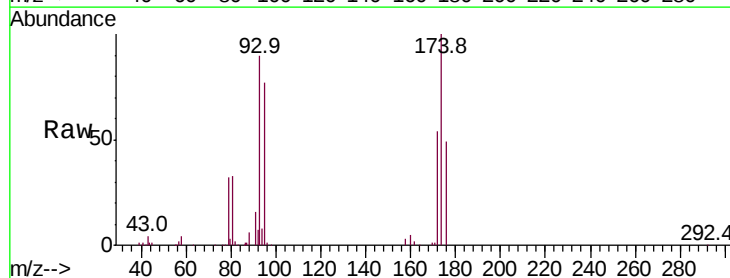
Tgt Ion: 93 Resp: 232520

Ion Ratio Lower Upper

93 100

95 85.8 72.8 109.2

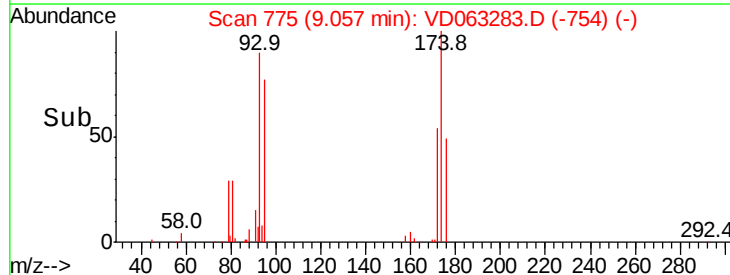
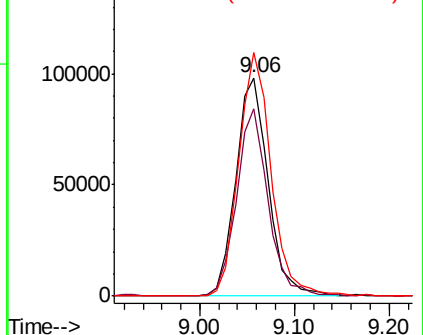
174 111.4 94.4 141.6

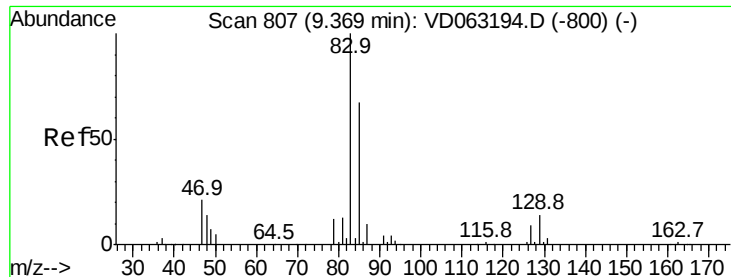


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 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 :

VSTDCCC050EC

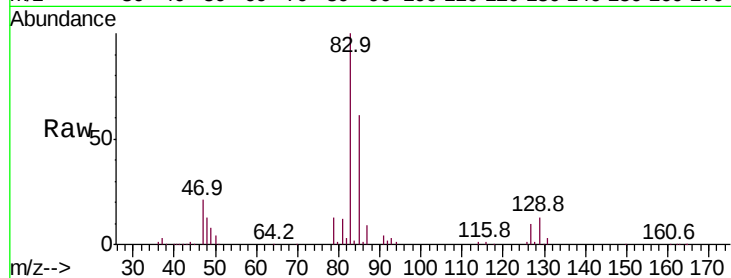
Tot Ion: 83 Resp: 633994

Ion Ratio Lower Upper

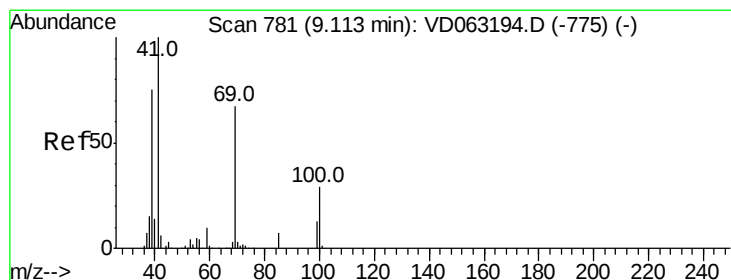
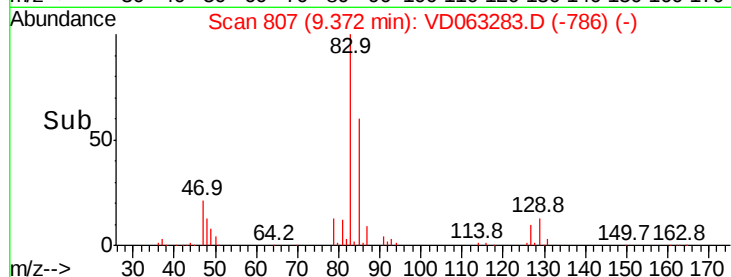
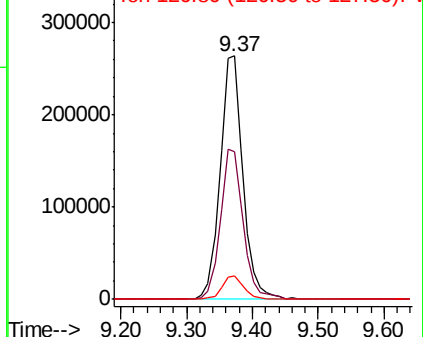
83 100

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

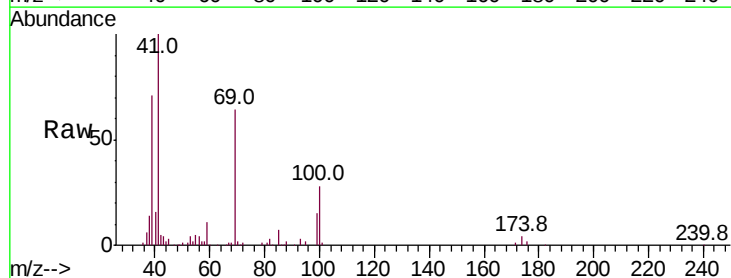
Tgt Ion: 41 Resp: 192864

Ion Ratio Lower Upper

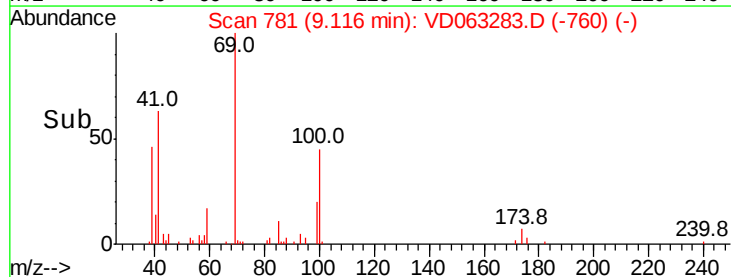
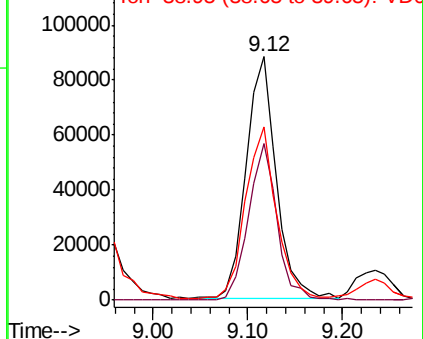
41 100

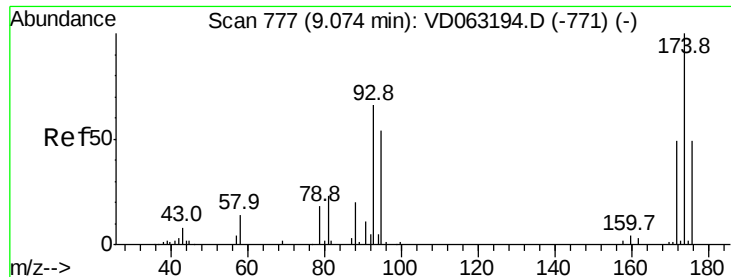
69 64.4 53.4 80.0

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

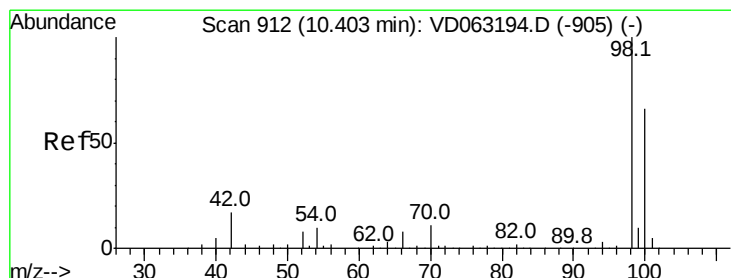
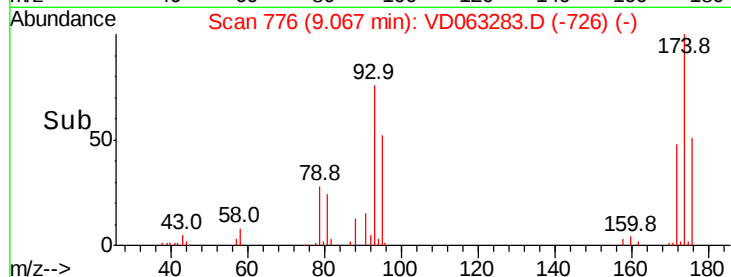
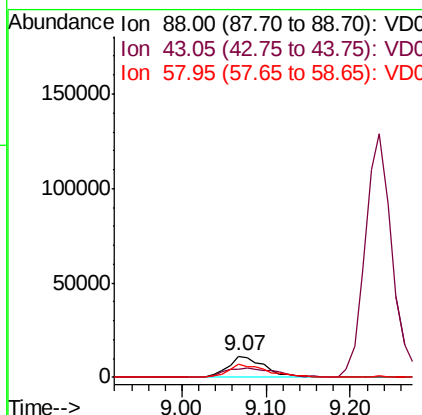
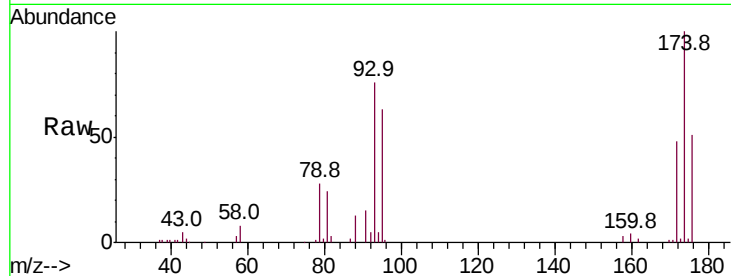




#49
1,4-Dioxane
Concen: 928.413 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

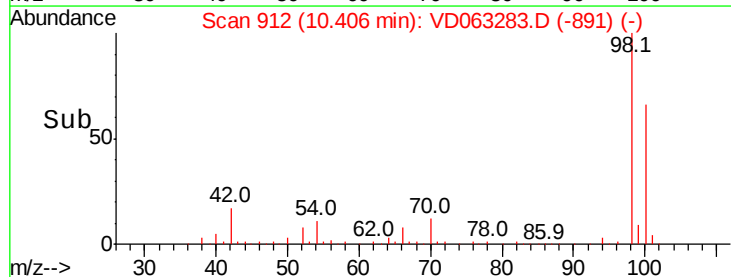
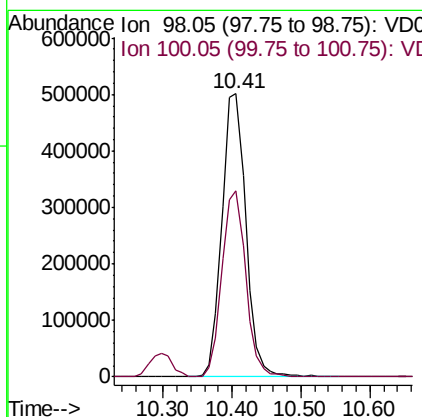
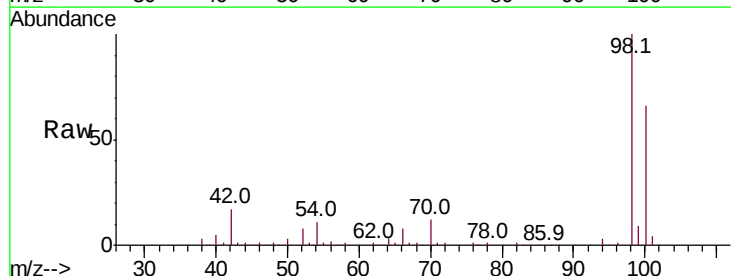
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

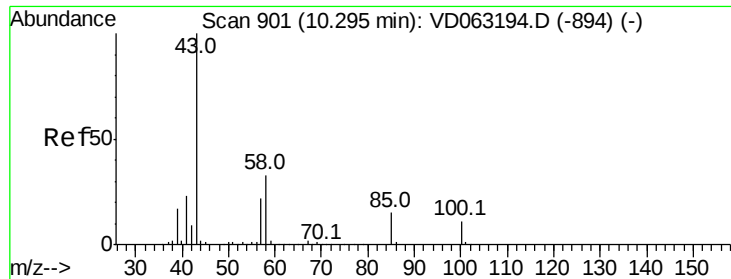
Tot Ion: 88 Resp: 33592
Ion Ratio Lower Upper
88 100
43 40.1 30.7 46.1
58 64.4 56.5 84.7



#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





#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 :

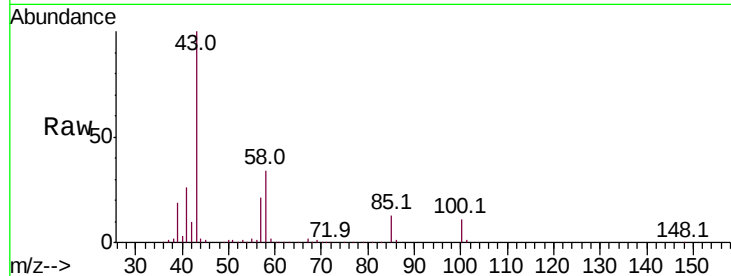
VSTDCCC050EC

Tot Ion: 43 Resp: 972263

Ion Ratio Lower Upper

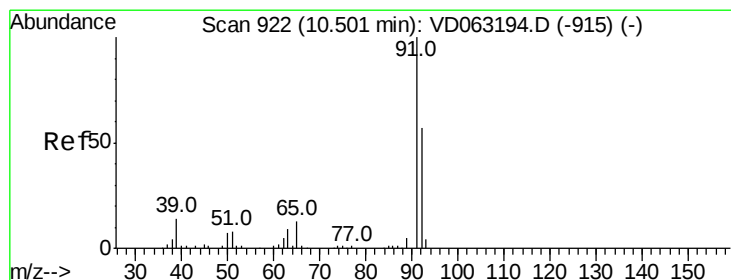
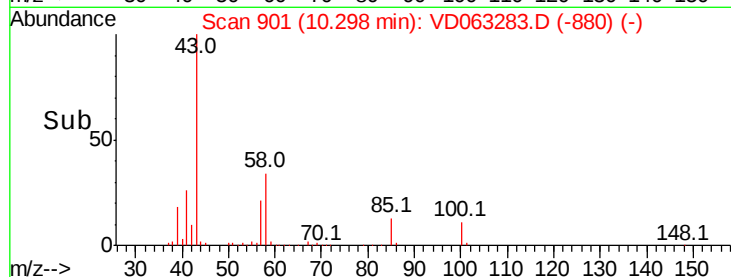
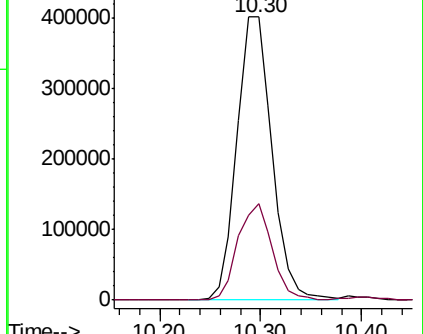
43 100

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

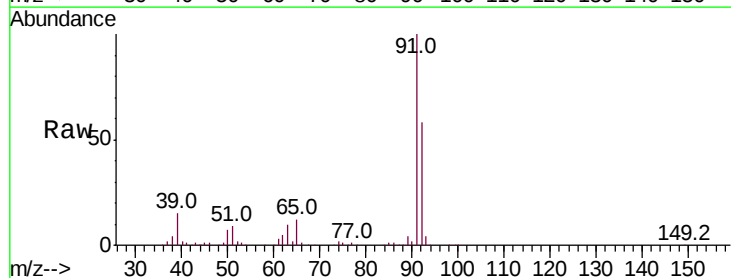
Acq: 31 Jul 2019 17:09

Tgt Ion: 92 Resp: 746292

Ion Ratio Lower Upper

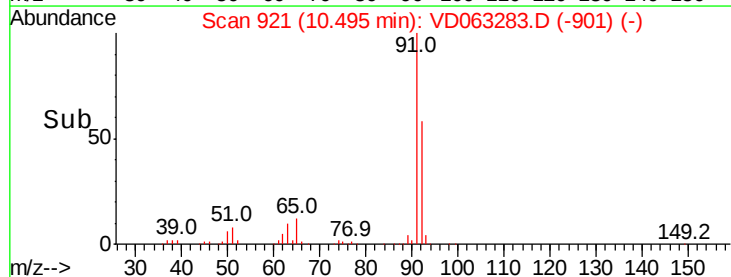
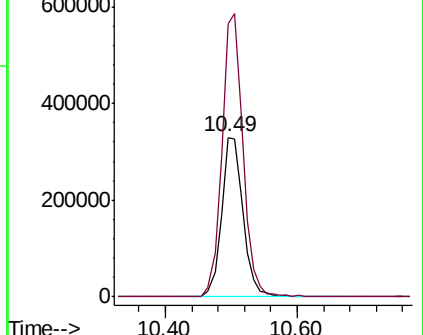
92 100

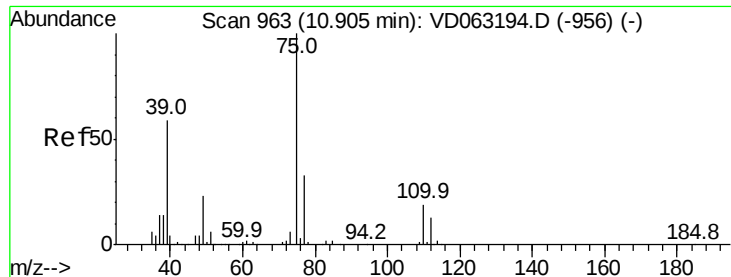
91 171.2 140.8 211.2



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 :

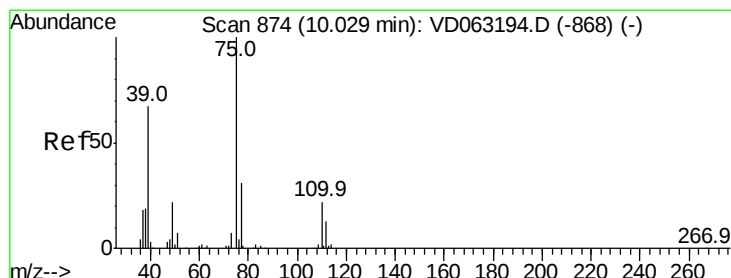
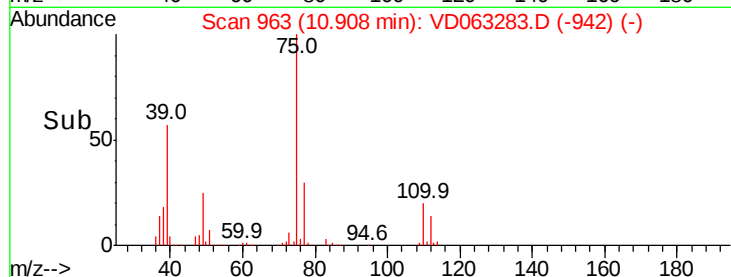
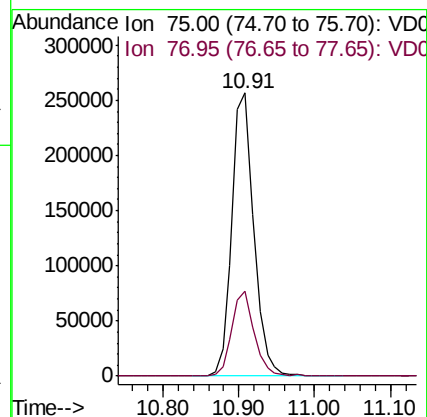
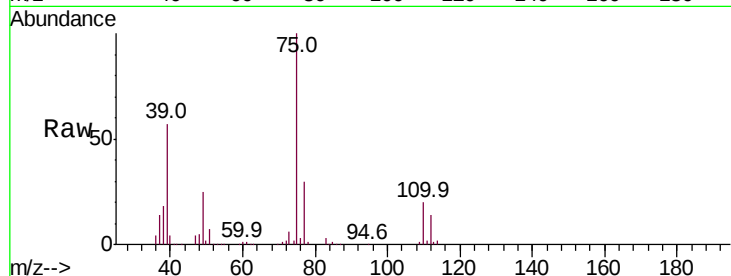
VSTDCCC050EC

Tot Ion: 75 Resp: 514151

Ion Ratio Lower Upper

75 100

77 29.9 26.6 40.0



#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

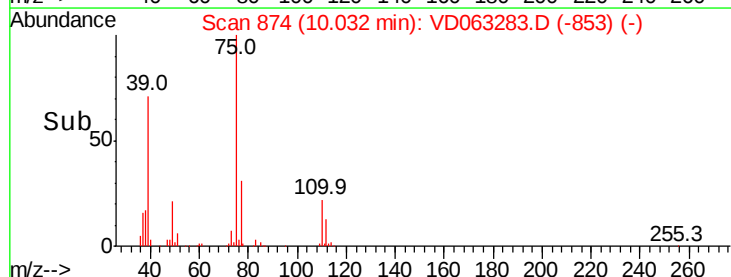
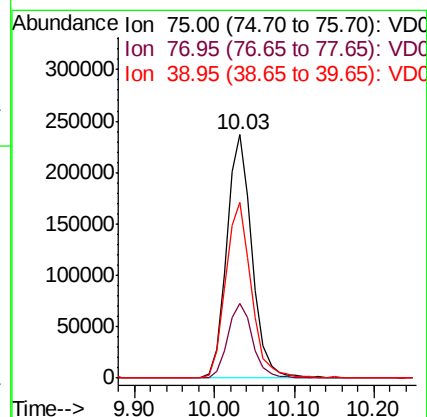
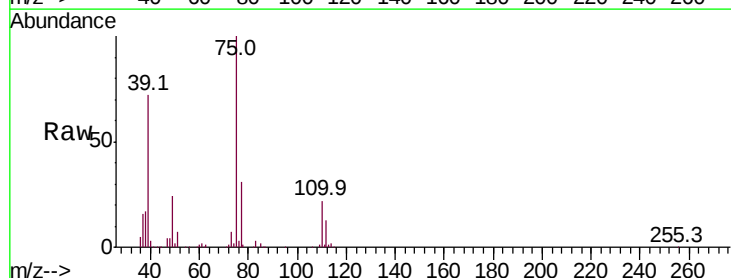
Tgt Ion: 75 Resp: 528423

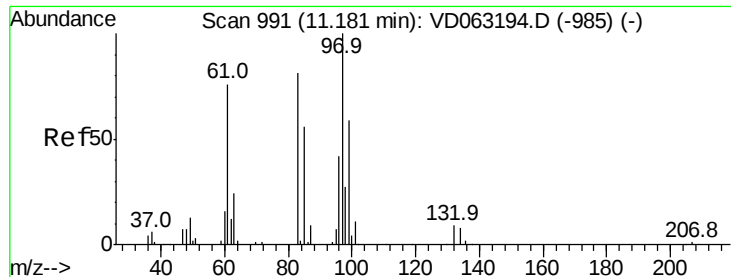
Ion Ratio Lower Upper

75 100

77 30.7 24.9 37.3

39 72.0 53.9 80.9





#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

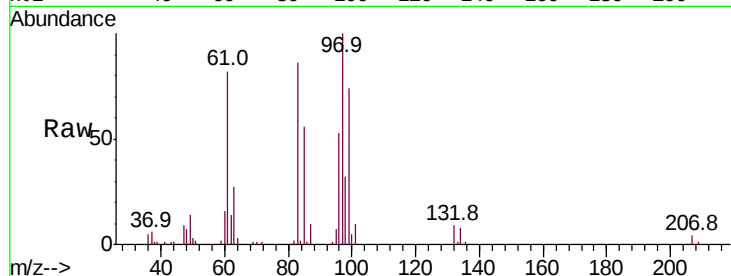
ClientSampleId :

VSTDCCC050EC

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#

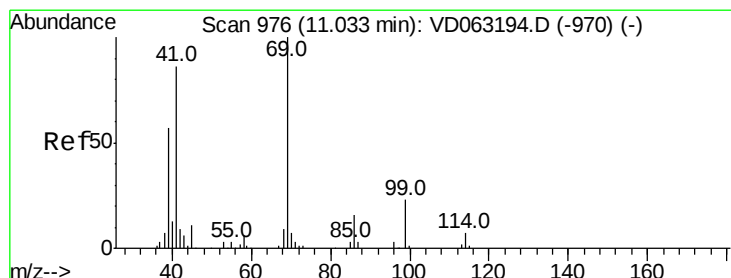
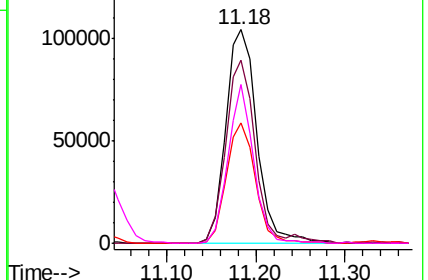
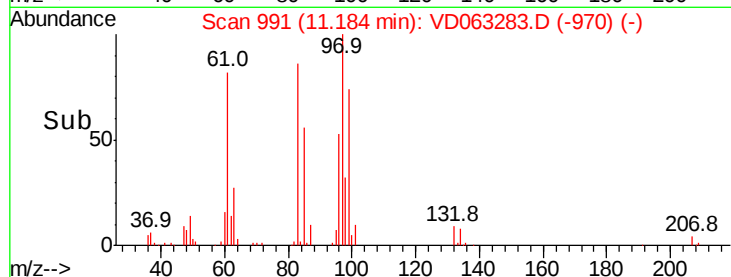


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

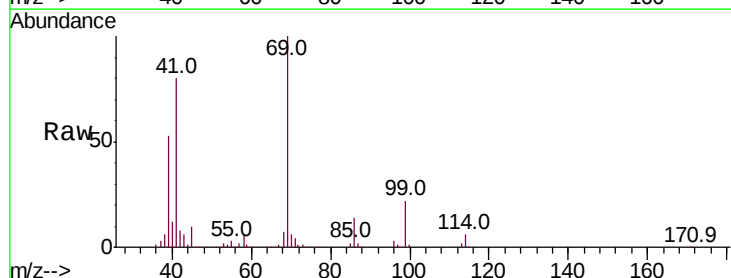
Lab File: VD063283.D

Acq: 31 Jul 2019 17:09

Tgt Ion: 69 Resp: 278196

Ion Ratio Lower Upper

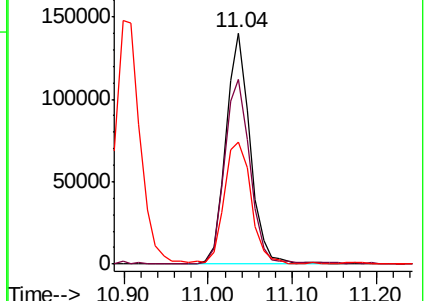
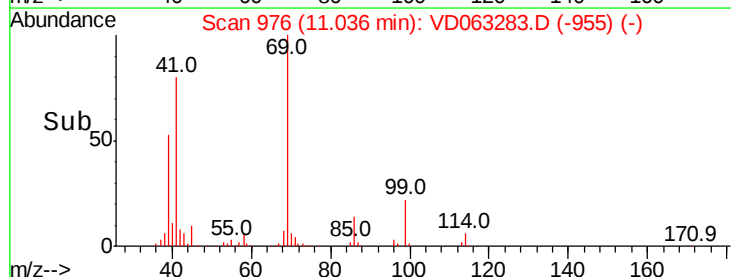
69	100		
41	80.0	68.8	103.2
39	53.0	45.8	68.8

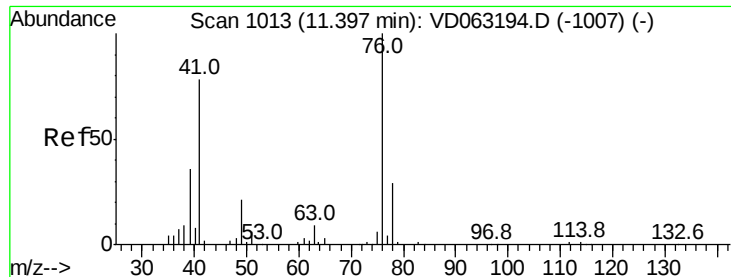


Abundance Ion 69.00 (68.70 to 69.70): VDC

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 :

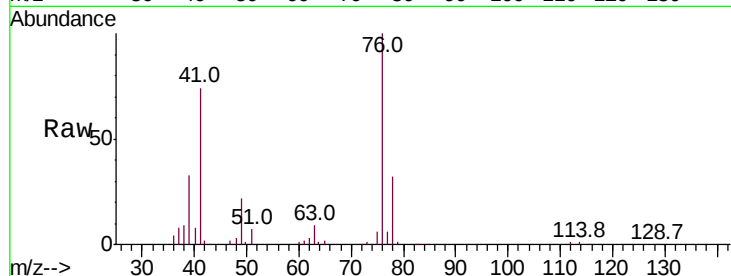
VSTDCCC050EC

Tot Ion: 76 Resp: 389542

Ion Ratio Lower Upper

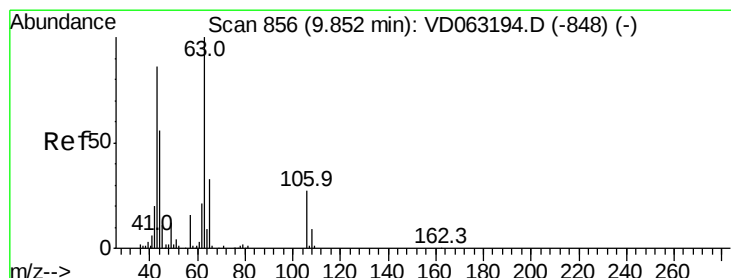
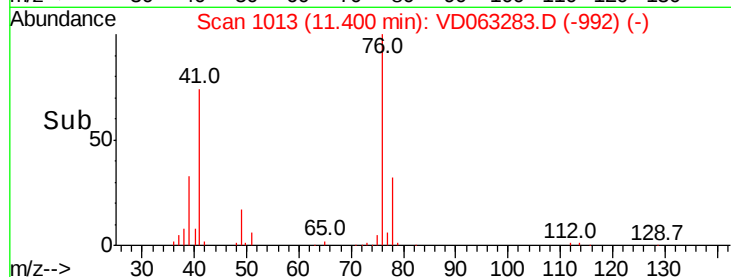
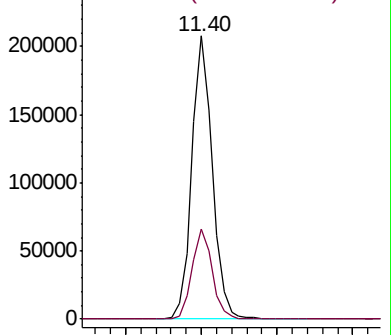
76 100

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

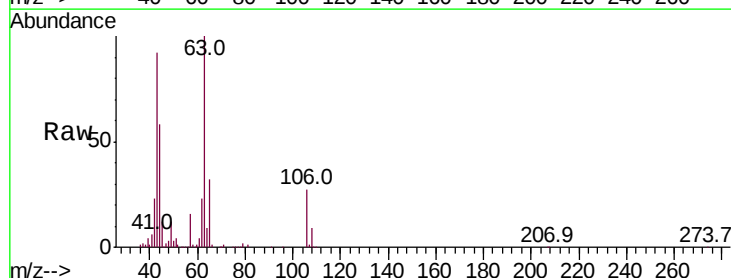
Acq: 31 Jul 2019 17:09

Tgt Ion: 63 Resp: 674931

Ion Ratio Lower Upper

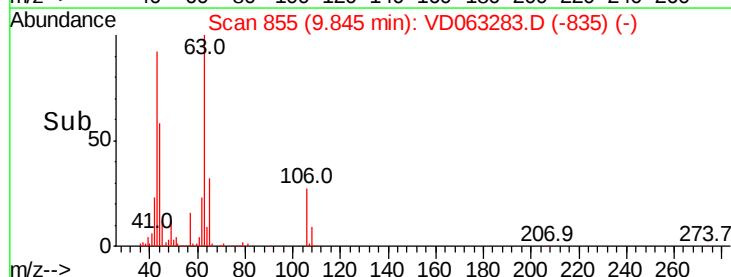
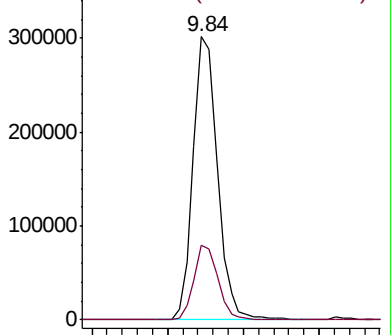
63 100

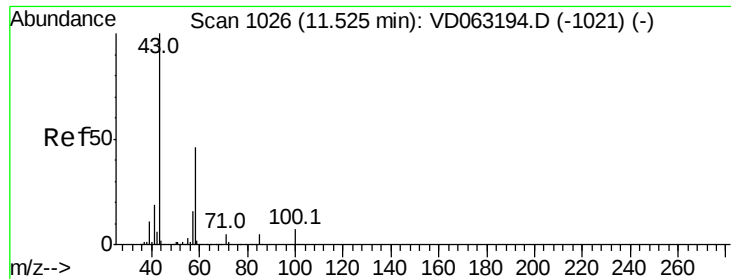
106 26.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

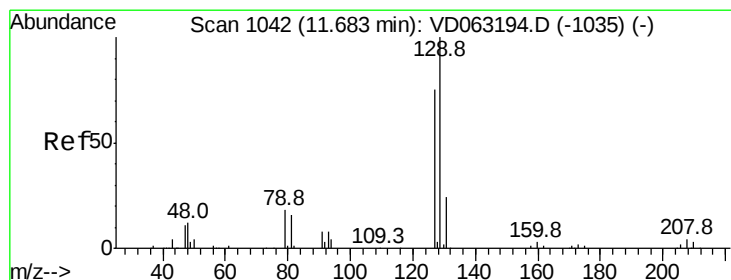
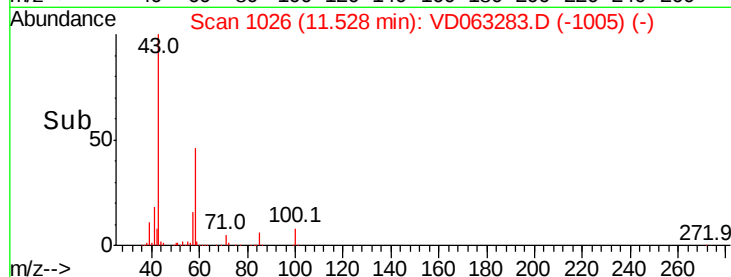
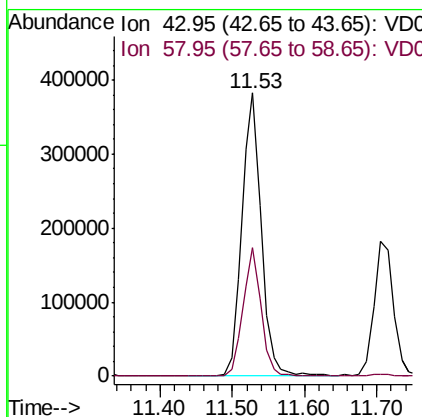
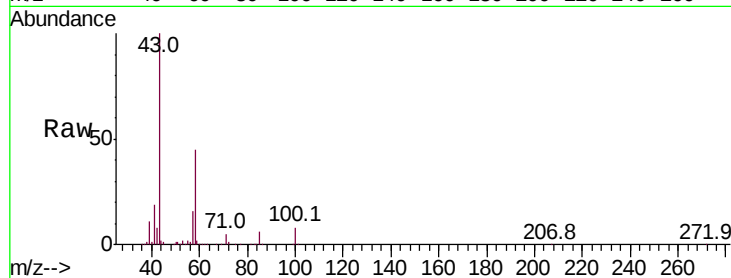




#59
2-Hexanone
Concen: 222.831 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

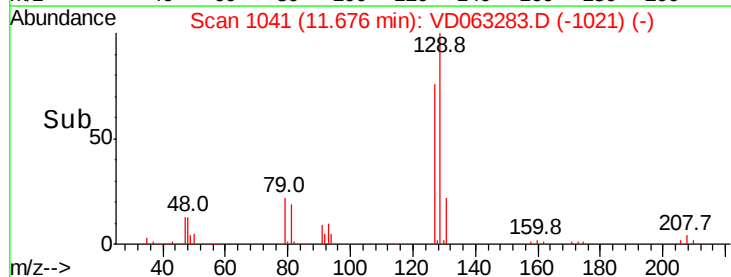
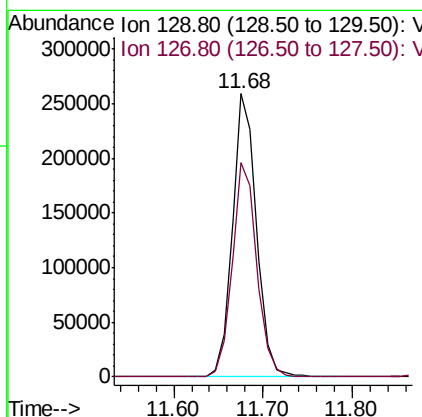
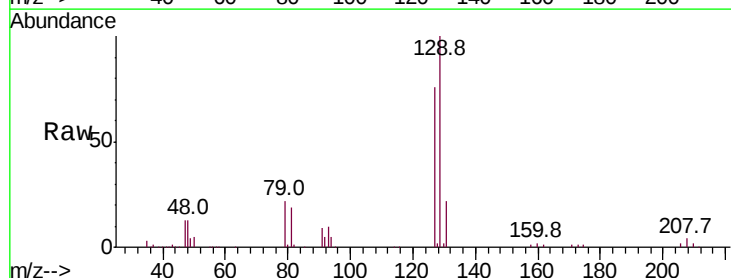
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

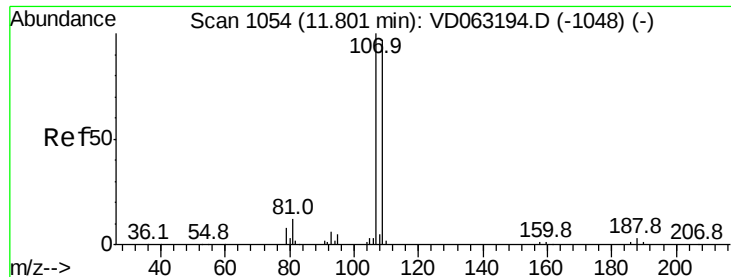
Tot Ion: 43 Resp: 718988
Ion Ratio Lower Upper
43 100
58 45.5 22.9 68.5



#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

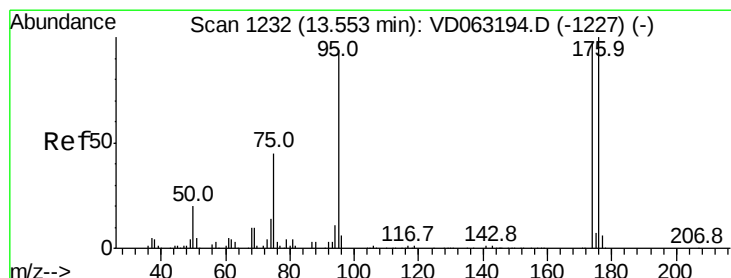
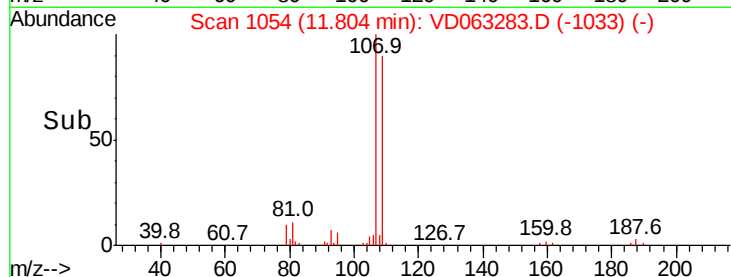
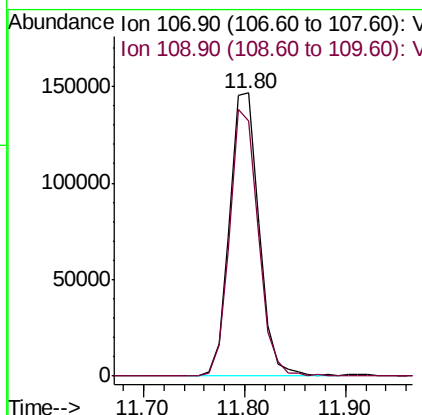
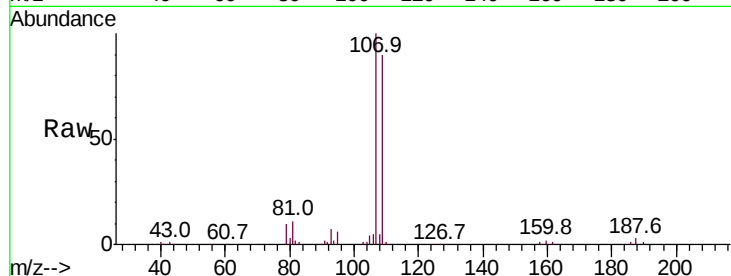




#61
 1,2-Dibromoethane
 Concen: 44.519 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

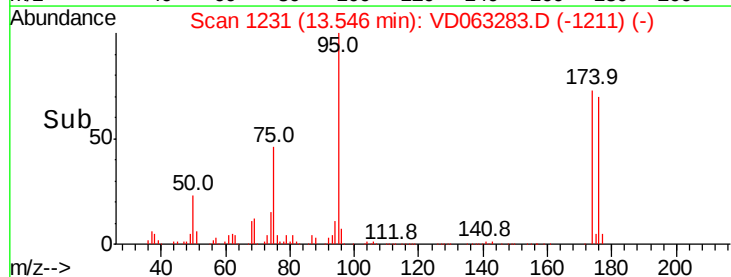
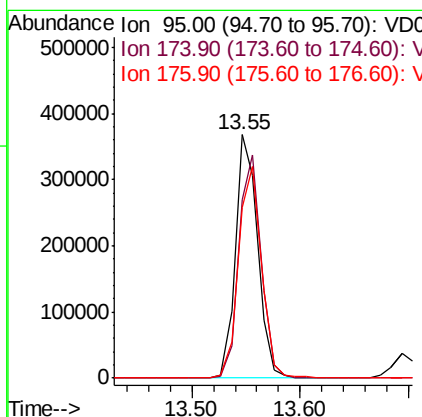
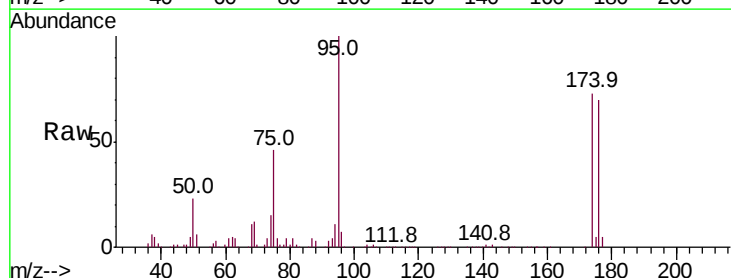
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

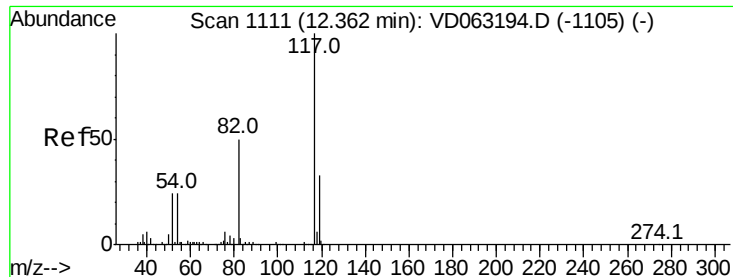
Tot Ion:107 Resp: 296688
 Ion Ratio Lower Upper
 107 100
 109 90.0 77.5 116.3



#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

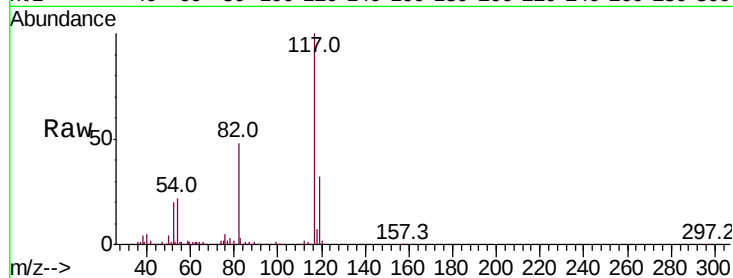




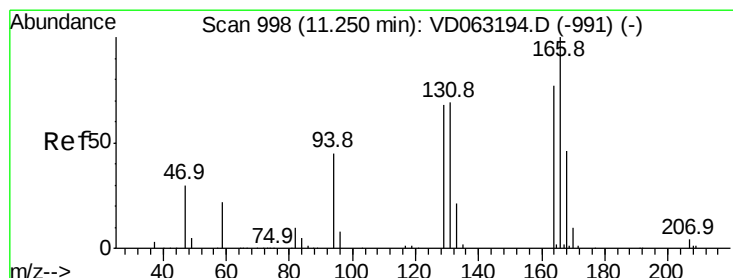
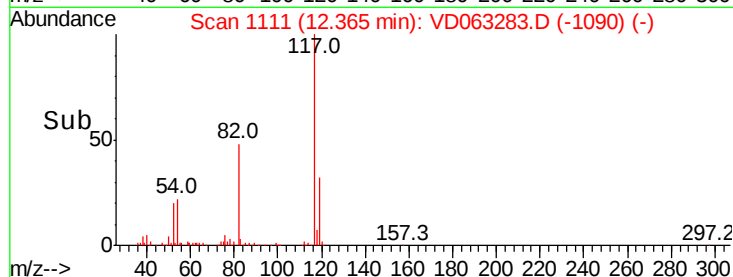
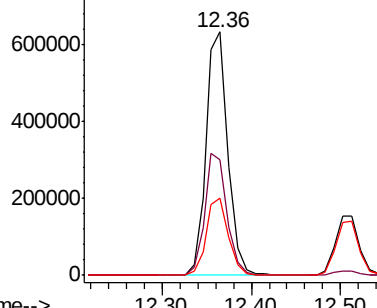
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

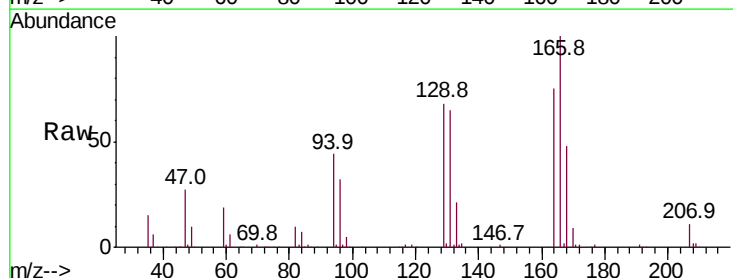


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

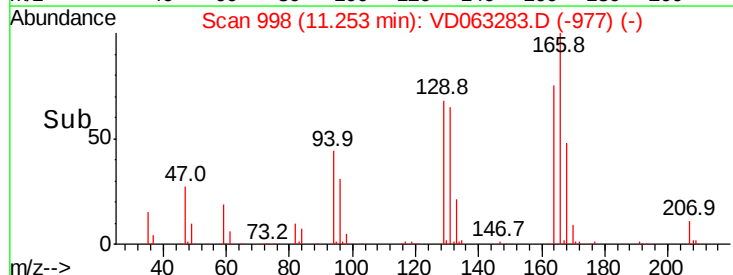
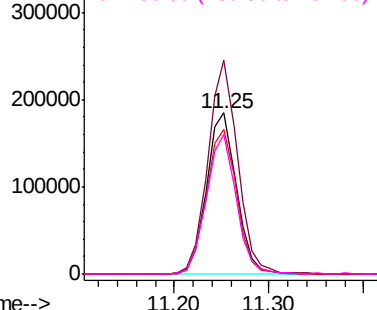


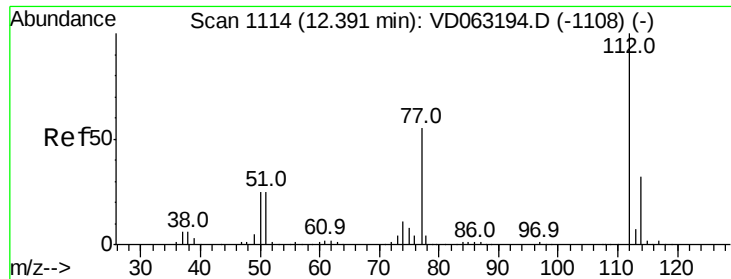
#64
Tetrachloroethene
Concen: 46.669 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

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

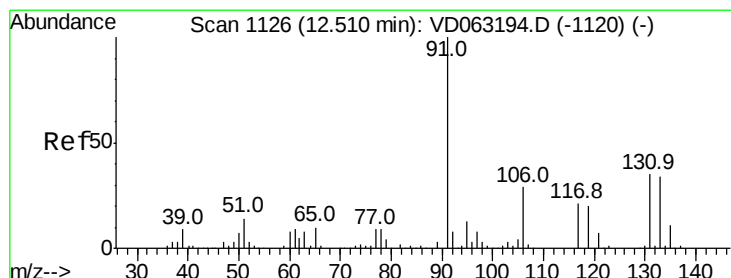
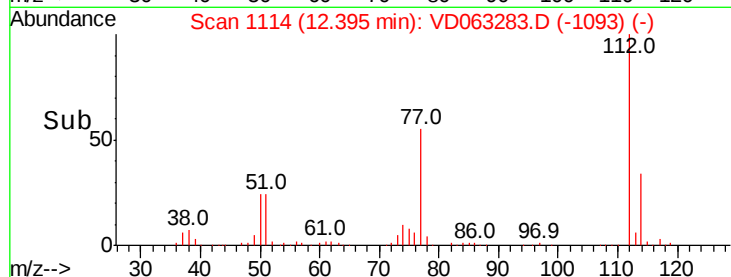
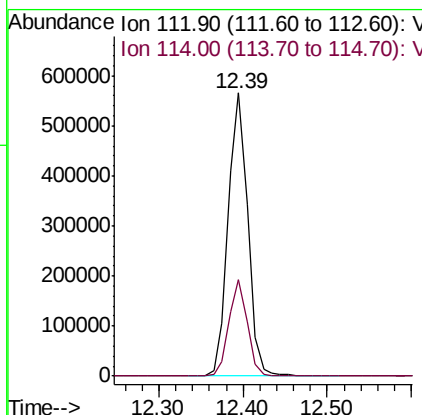
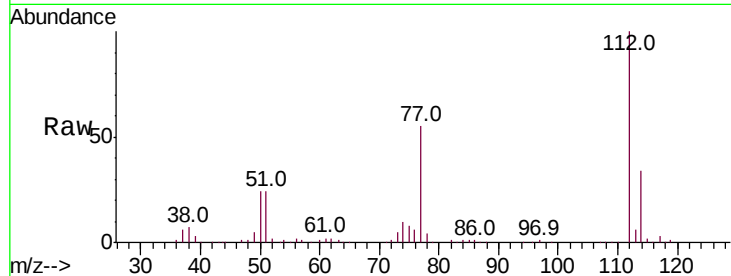




#65
Chlorobenzene
Concen: 43.861 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

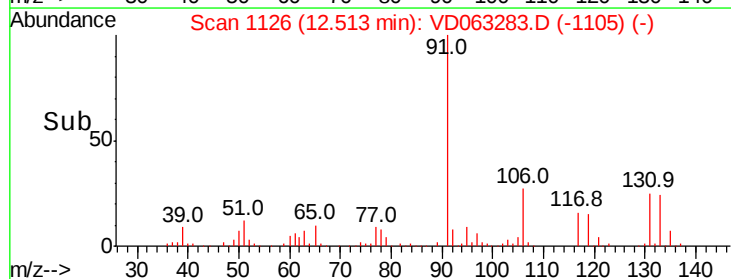
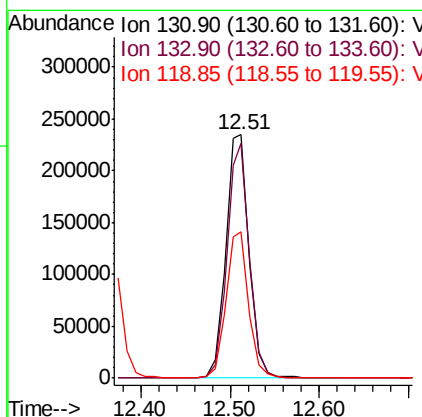
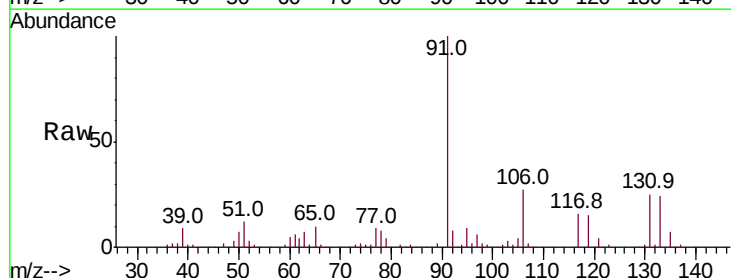
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

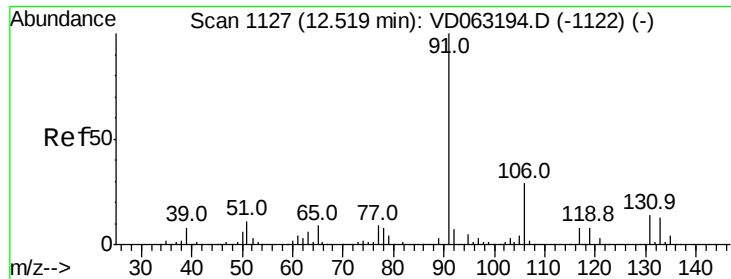
Tot Ion:112 Resp: 912990
Ion Ratio Lower Upper
112 100
114 34.1 25.8 38.8



#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

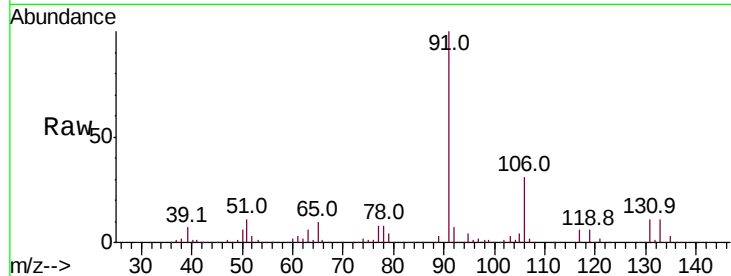




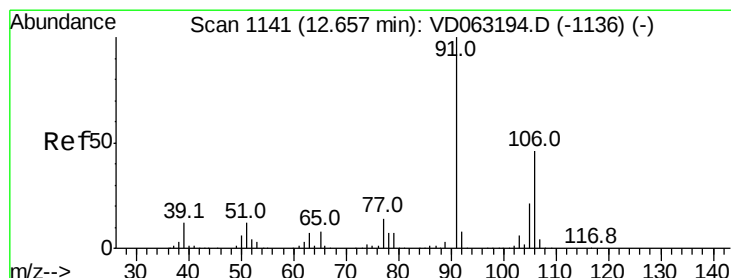
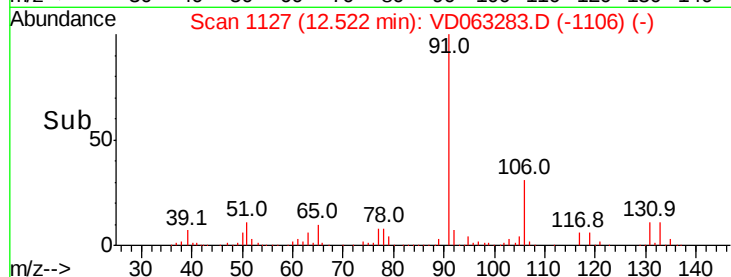
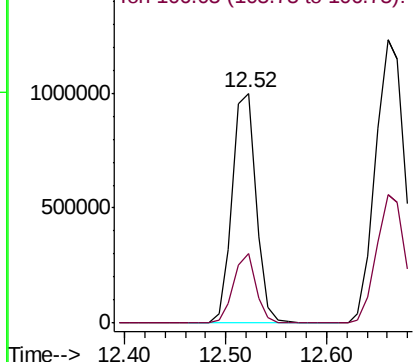
#67
Ethyl Benzene
Concen: 46.652 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

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

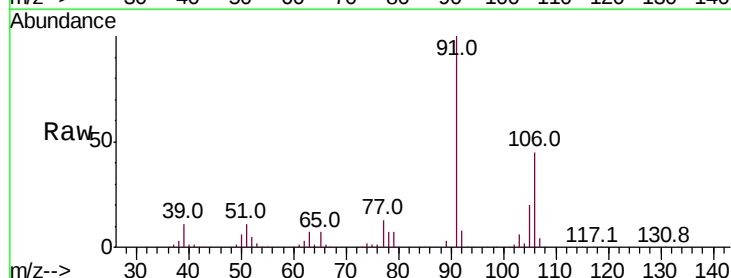


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

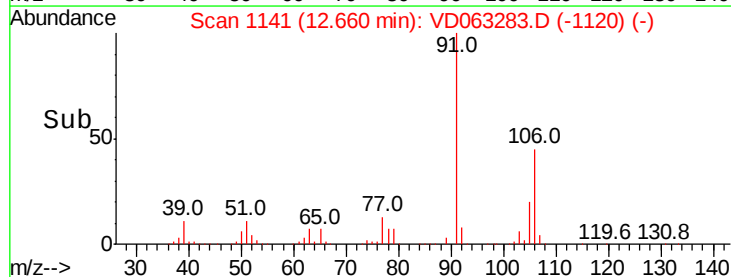
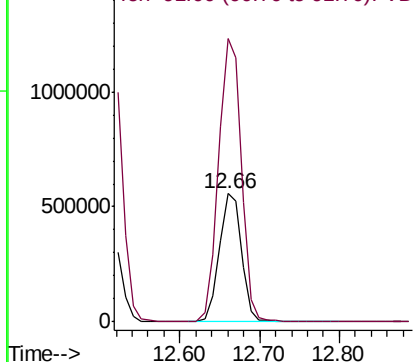


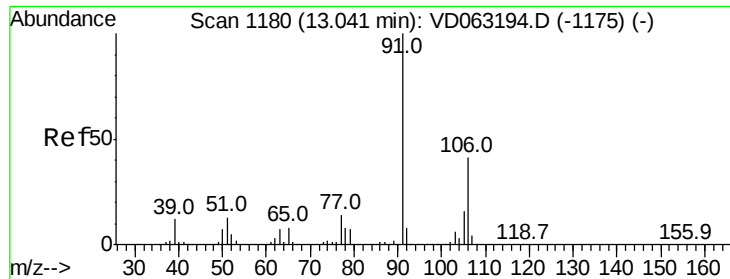
#68
m/p-Xylenes
Concen: 84.891 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

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

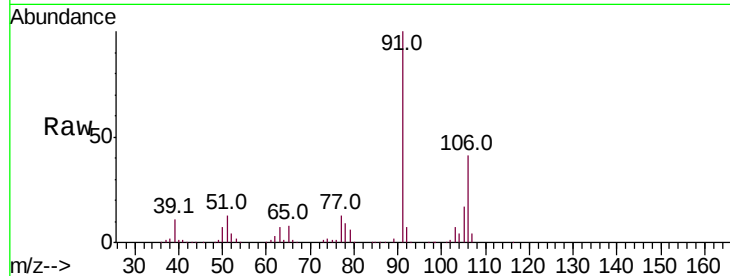




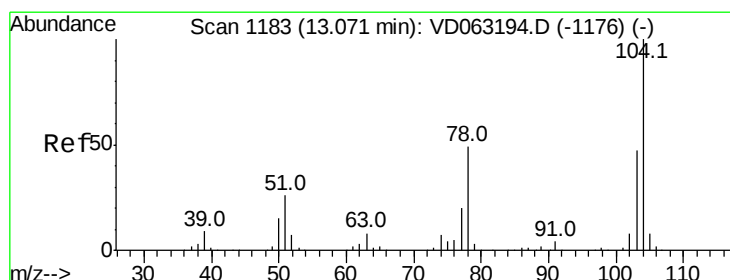
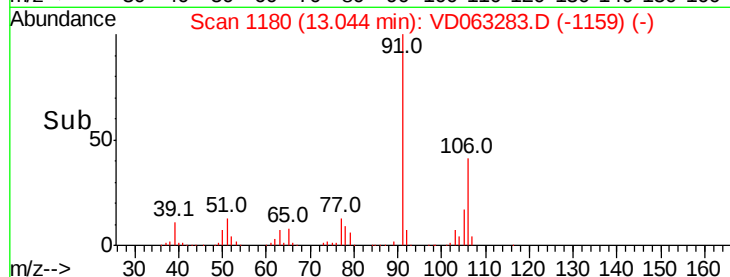
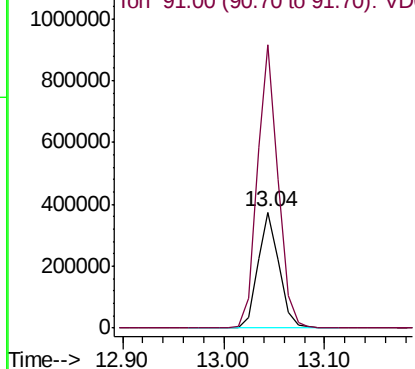
#69
o-Xylene
Concen: 45.958 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

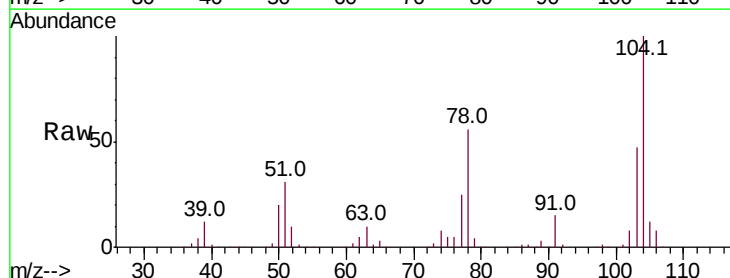


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

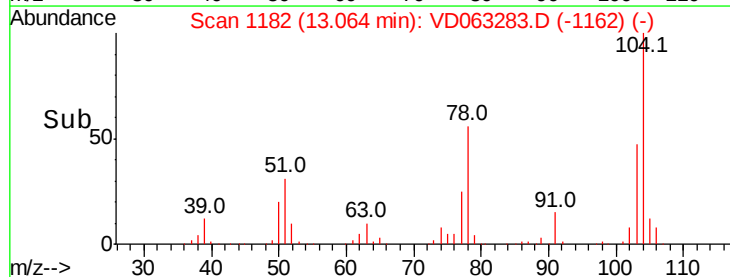
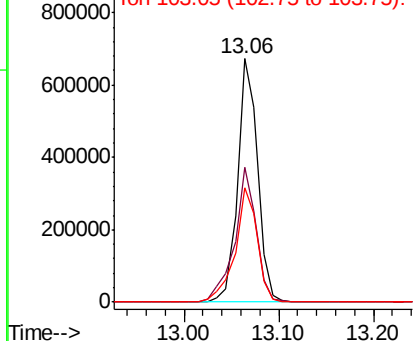


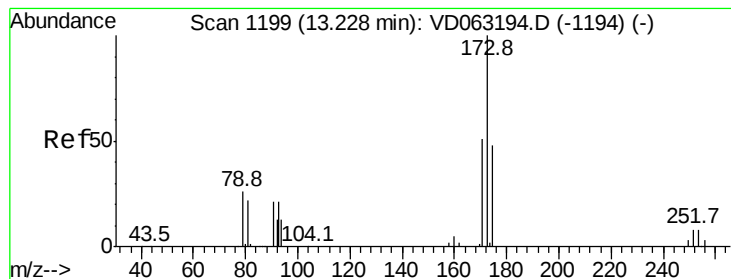
#70
Styrene
Concen: 46.579 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

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): VDC
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 :

VSTDCCC050EC

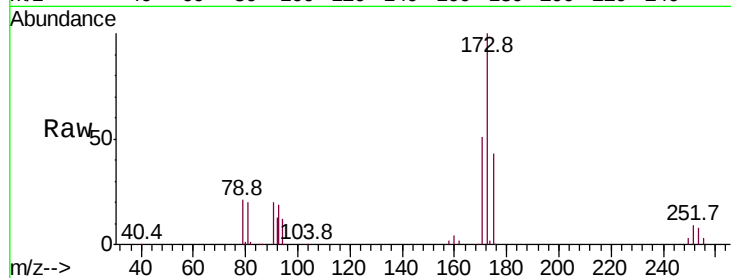
Tot Ion:173 Resp: 322574

Ion Ratio Lower Upper

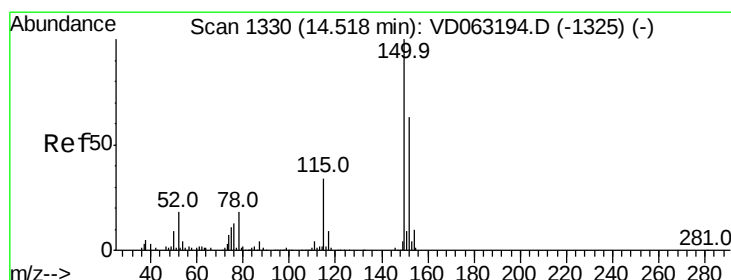
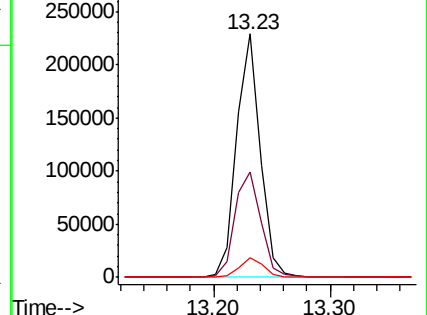
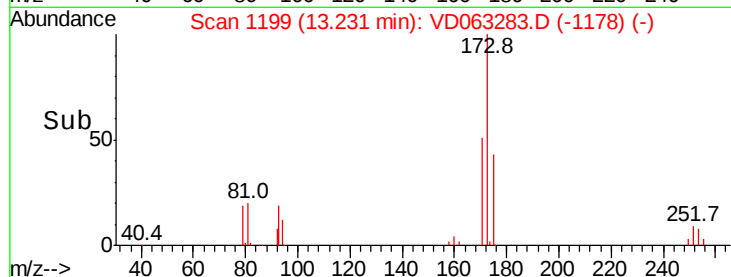
173 100

175 43.1 23.8 71.5

254 8.1 6.6 10.0



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

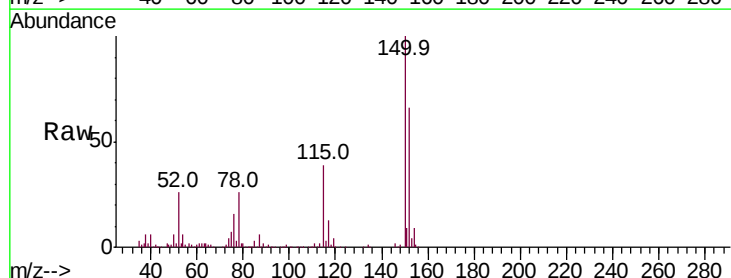
Tgt Ion:152 Resp: 647039

Ion Ratio Lower Upper

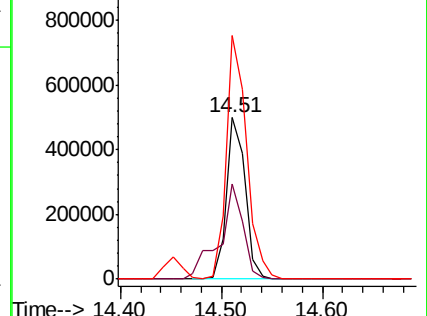
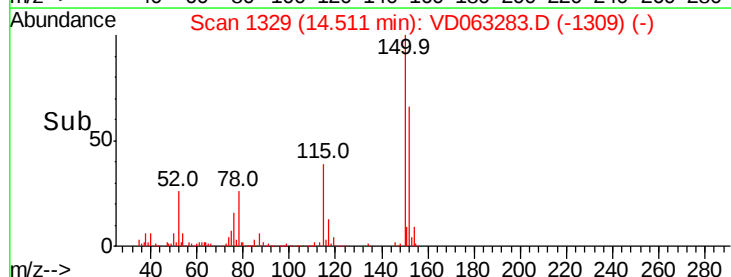
152 100

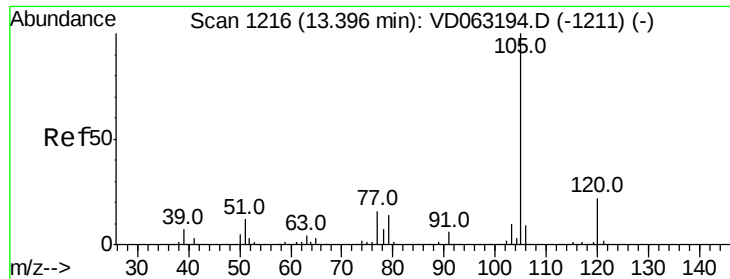
115 58.8 27.5 82.4

150 151.0 0.0 320.6



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

ClientSampleId :

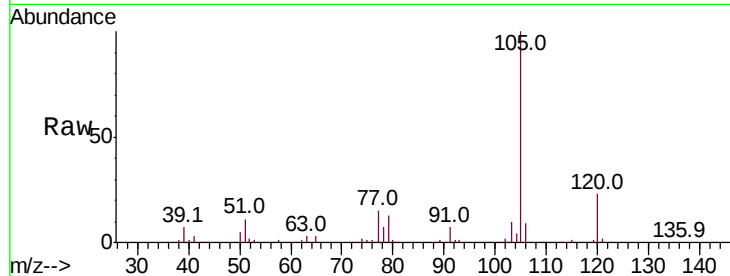
VSTDCCC050EC

Tot Ion:105 Resp: 1811783

Ion Ratio Lower Upper

105 100

120 23.2 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

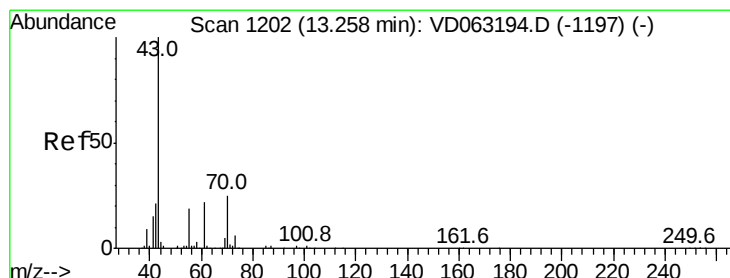
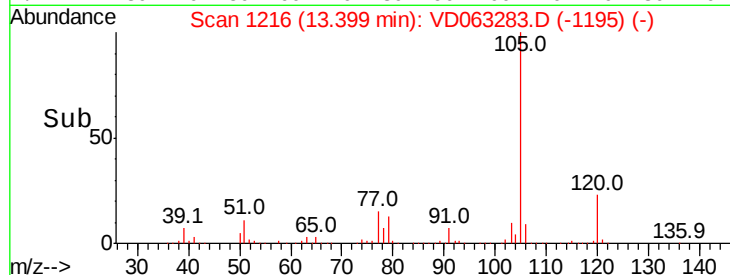
1500000

1000000

500000

0

Time--> 13.30 13.40 13.50



#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

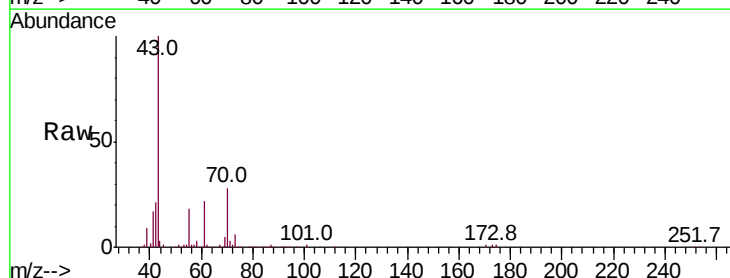
Ion Ratio Lower Upper

43 100

70 28.0 20.2 30.4

55 18.2 14.9 22.3

61 21.9 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

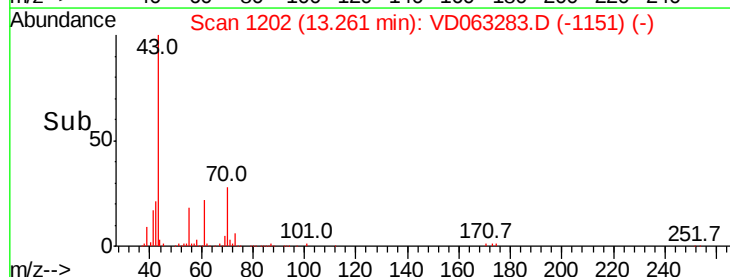
300000

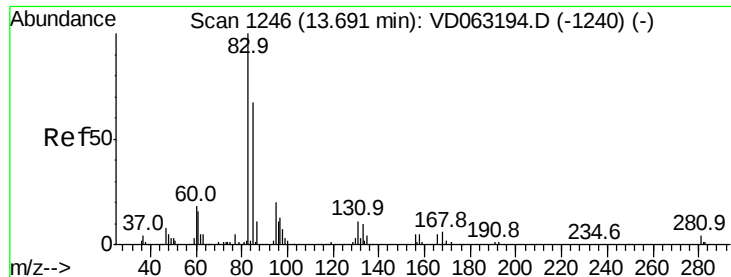
200000

100000

0

Time--> 13.20 13.30





#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 :

VSTDCCC050EC

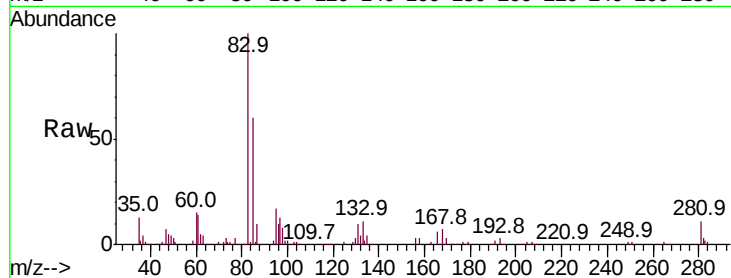
Tot Ion: 83 Resp: 291518

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.7

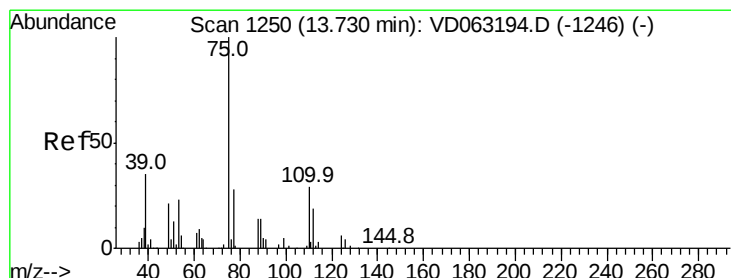
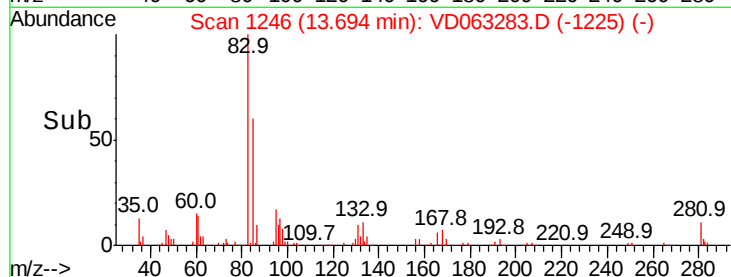
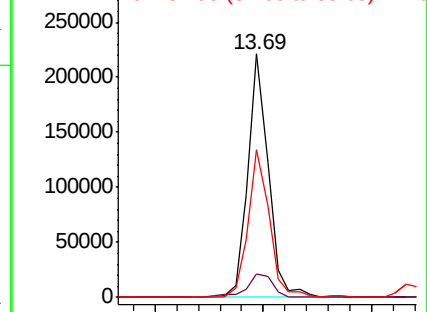
85 60.5 33.7 101.1



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

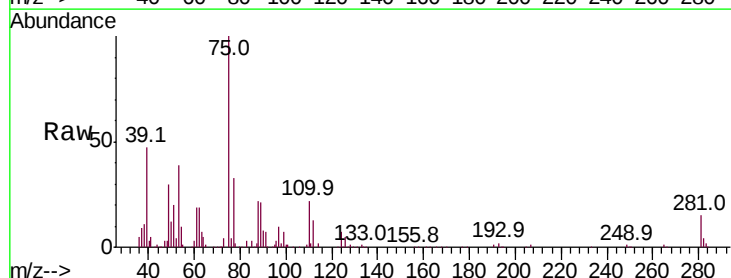
Acq: 31 Jul 2019 17:09

Tgt Ion: 75 Resp: 316930

Ion Ratio Lower Upper

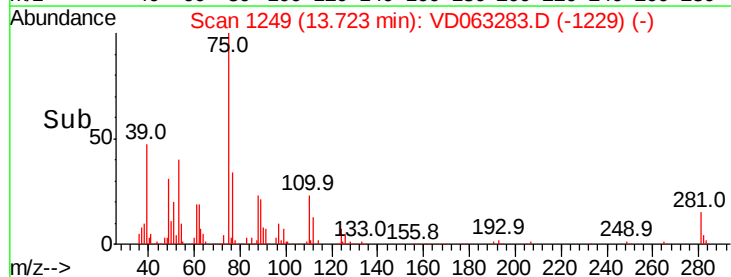
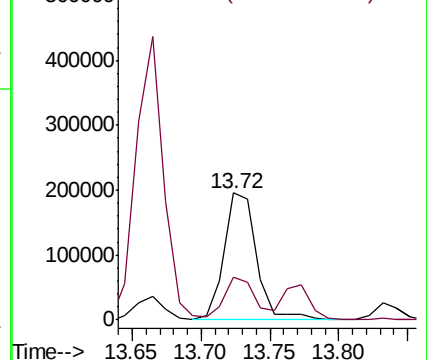
75 100

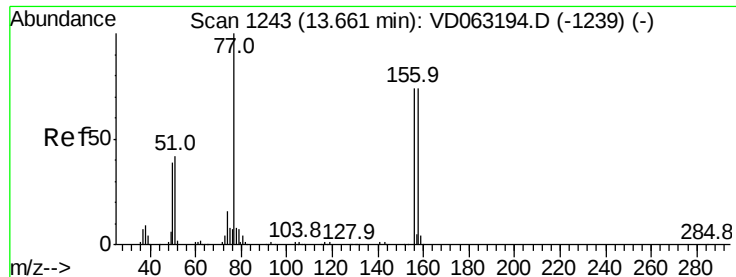
77 33.5 16.0 48.0



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

ClientSampleId :

VSTDCCC050EC

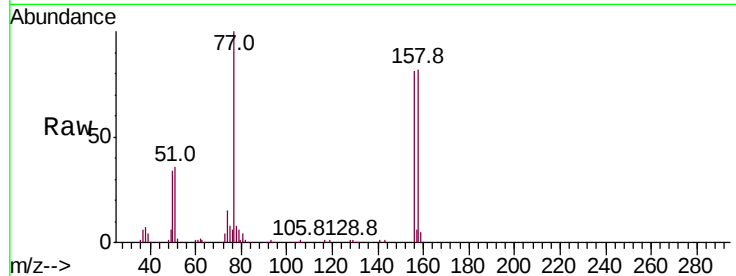
Tot Ion:156 Resp: 493958

Ion Ratio Lower Upper

156 100

77 122.7 67.6 202.8

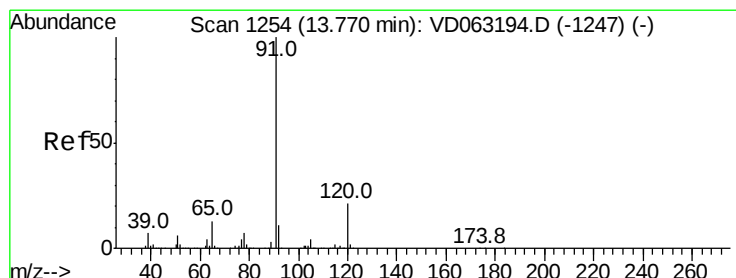
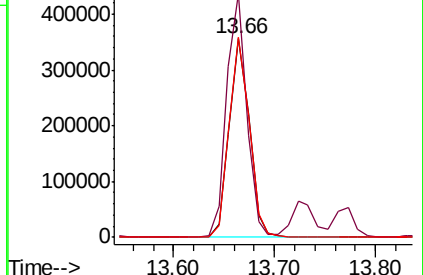
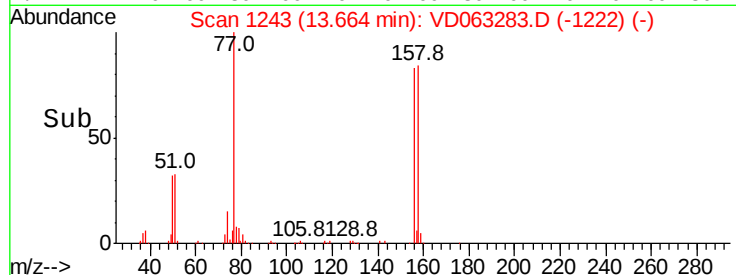
158 101.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

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

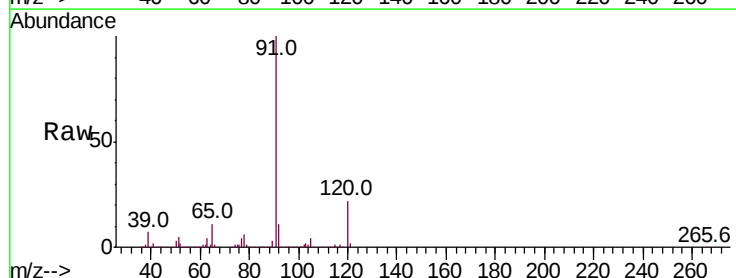
Acq: 31 Jul 2019 17:09

Tgt Ion: 91 Resp: 1906084

Ion Ratio Lower Upper

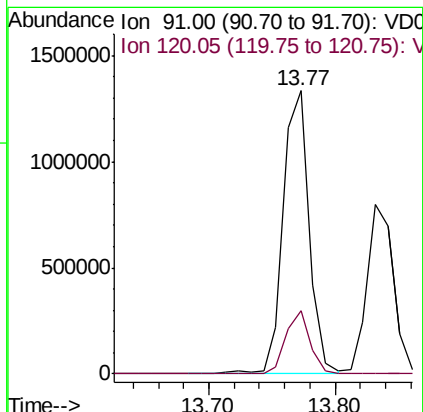
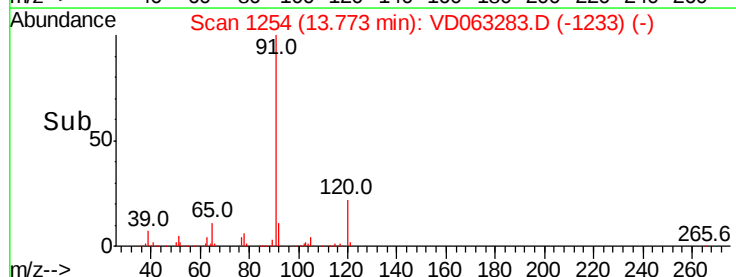
91 100

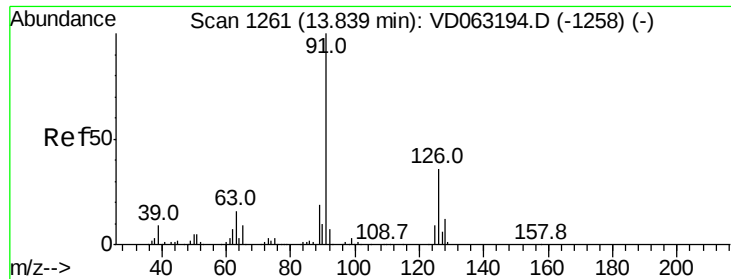
120 22.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

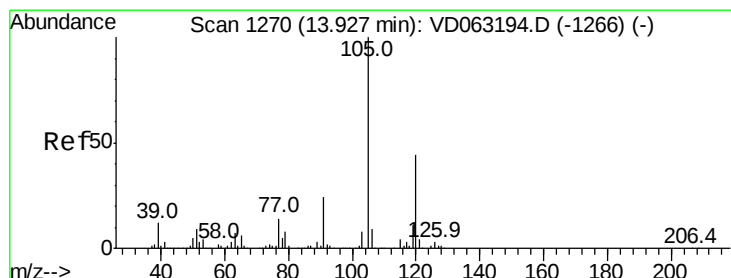
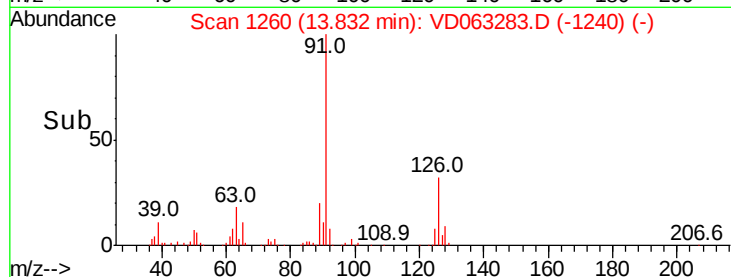
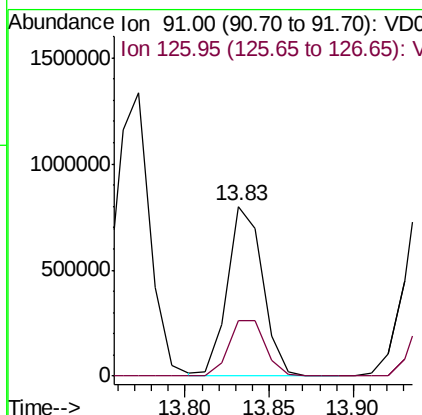
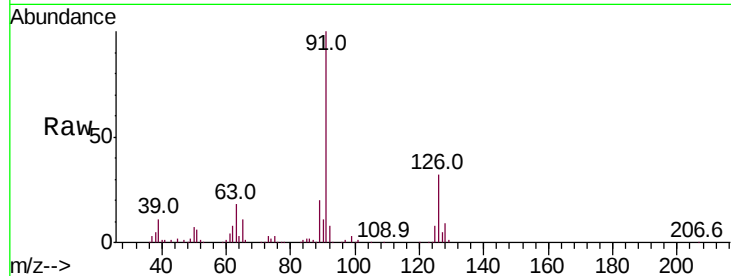




#79
 2-Chlorotoluene
 Concen: 41.521 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

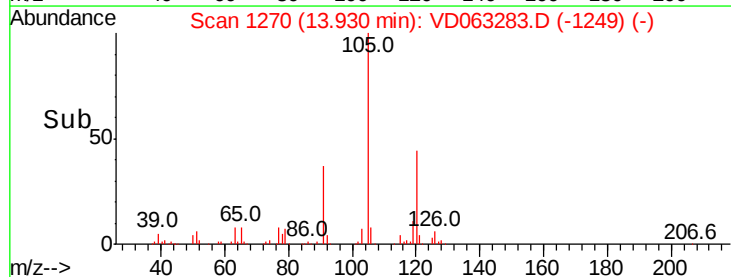
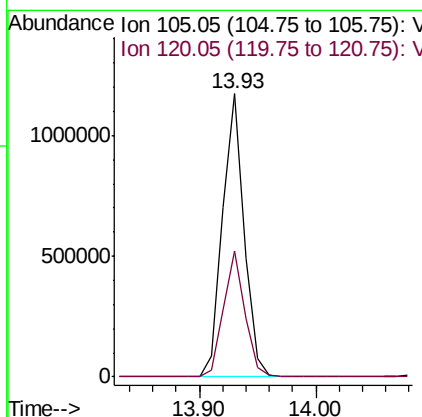
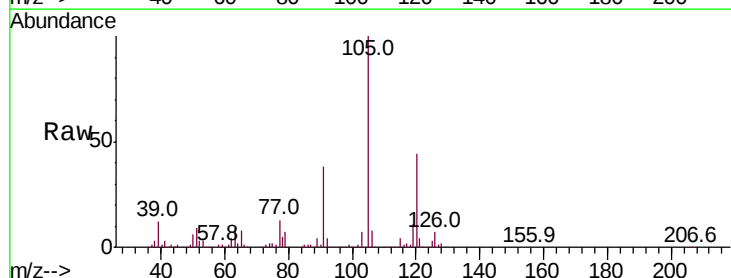
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

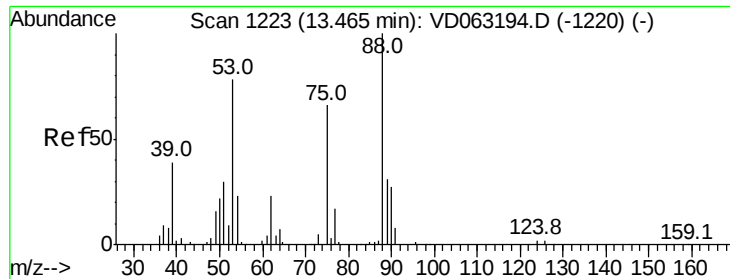
Tot Ion: 91 Resp: 1162673
 Ion Ratio Lower Upper
 91 100
 126 32.4 17.8 53.5



#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

ClientSampleId :

VSTDCCC050EC

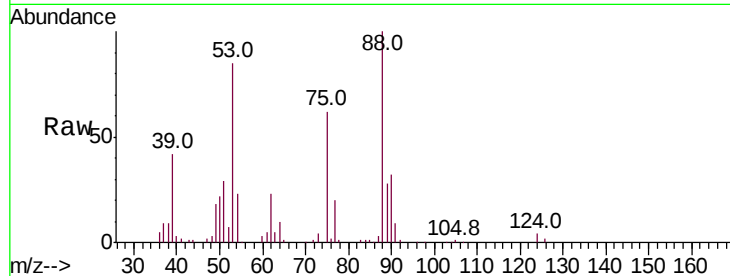
Tot Ion: 75 Resp: 78131

Ion Ratio Lower Upper

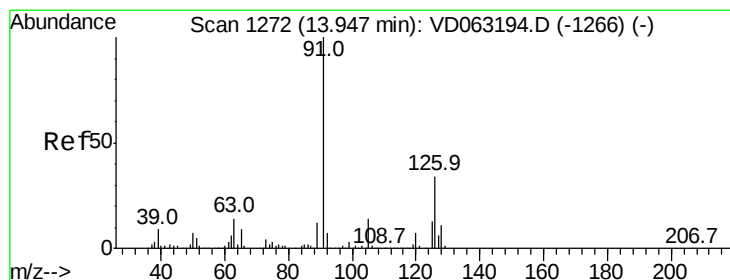
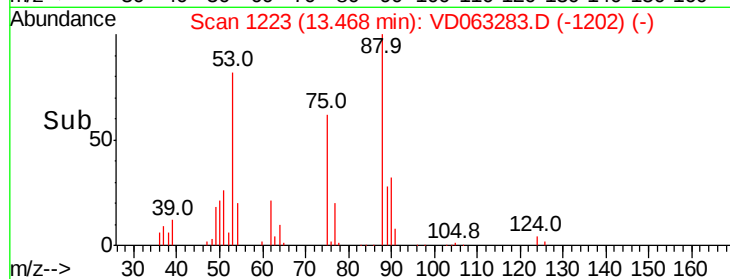
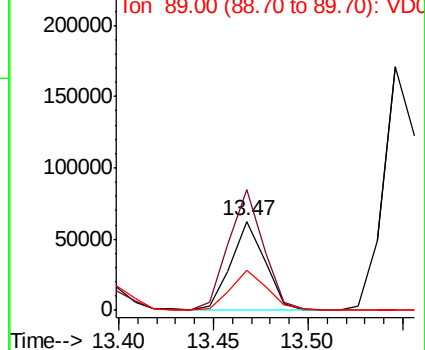
75 100

53 135.8 94.9 142.3

89 45.4 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 43.590 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063283.D

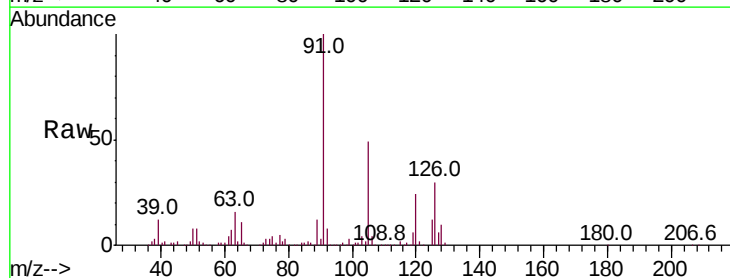
Acq: 31 Jul 2019 17:09

Tgt Ion: 91 Resp: 1436516

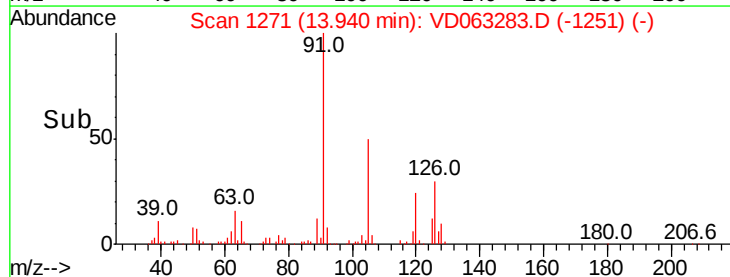
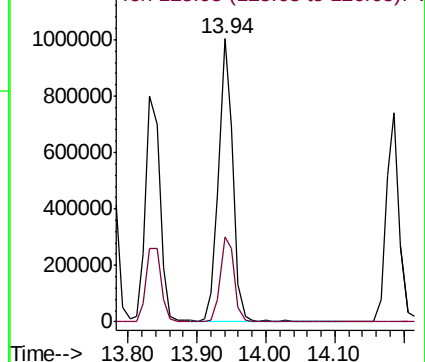
Ion Ratio Lower Upper

91 100

126 30.0 17.1 51.2



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





#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

ClientSampleId :

VSTDCCC050EC

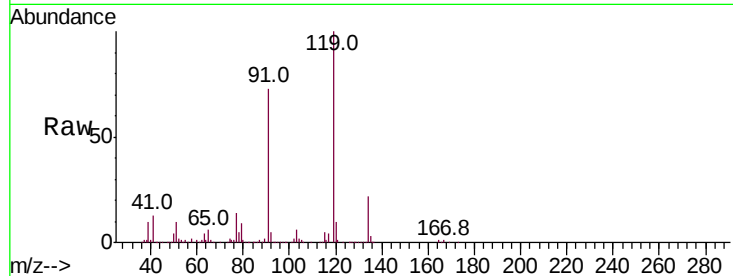
Tot Ion:119 Resp: 1718847

Ion Ratio Lower Upper

119 100

91 72.8 39.1 117.5

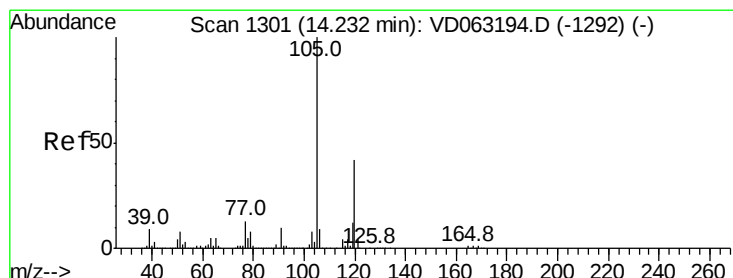
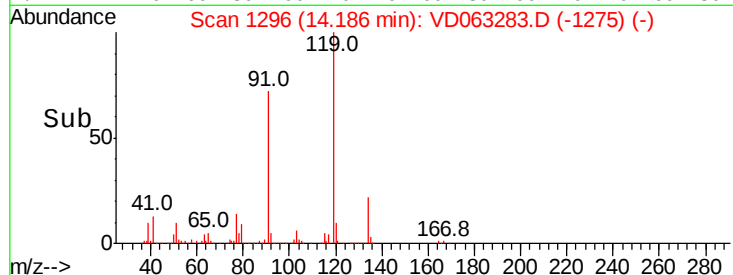
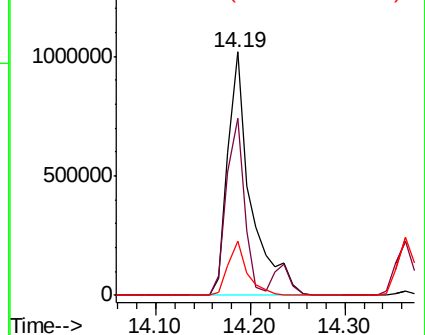
134 22.2 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#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

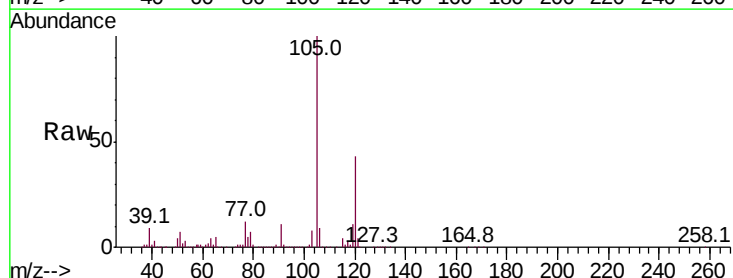
Acq: 31 Jul 2019 17:09

Tgt Ion:105 Resp: 1545545

Ion Ratio Lower Upper

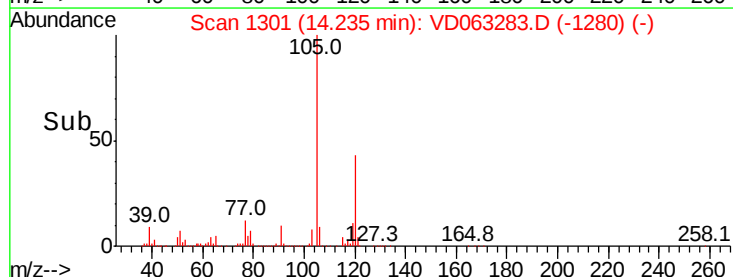
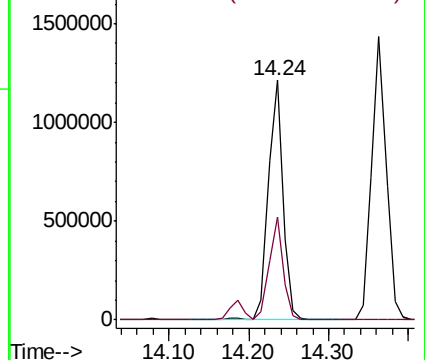
105 100

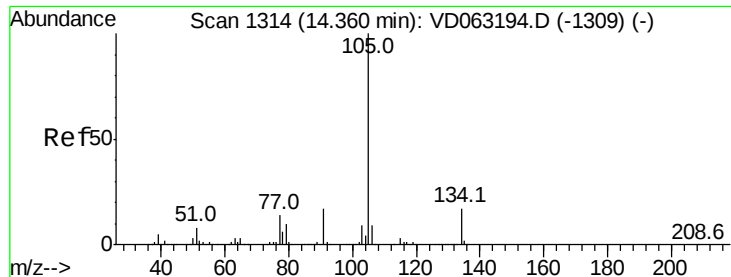
120 42.9 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#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 :

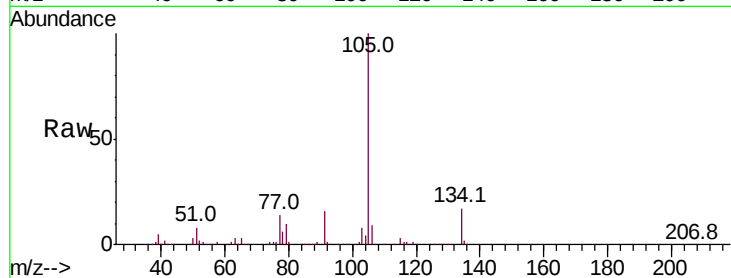
VSTDCCC050EC

Tot Ion:105 Resp: 1784868

Ion Ratio Lower Upper

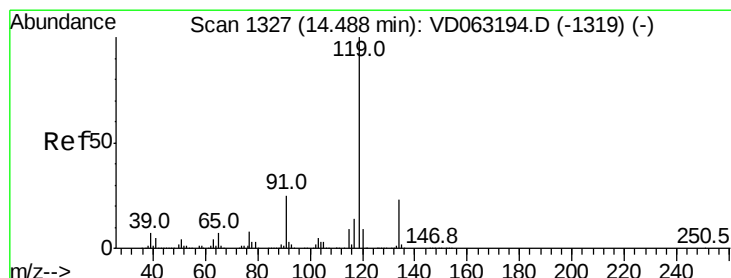
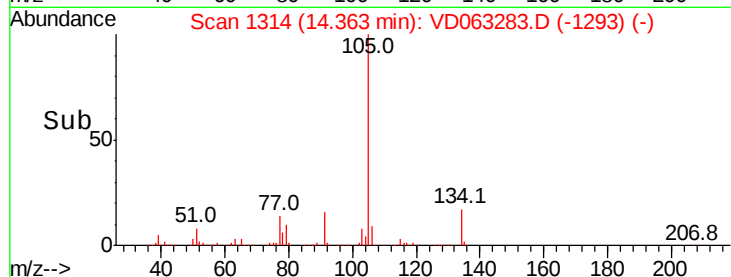
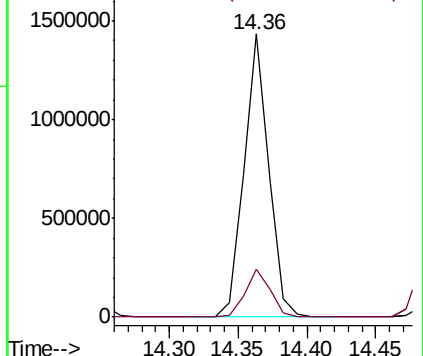
105 100

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

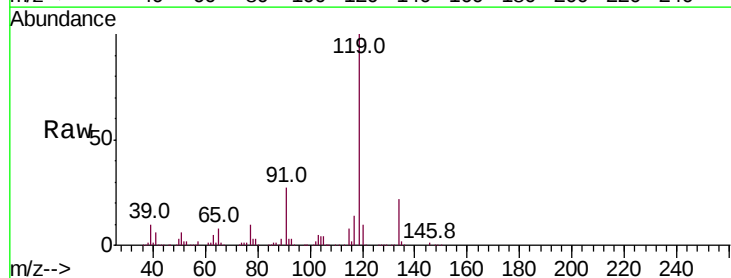
Tgt Ion:119 Resp: 1551360

Ion Ratio Lower Upper

119 100

134 22.1 11.5 34.5

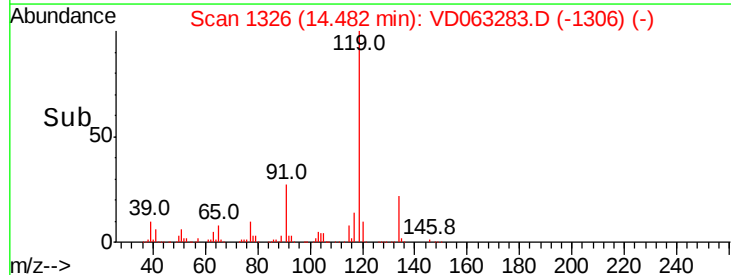
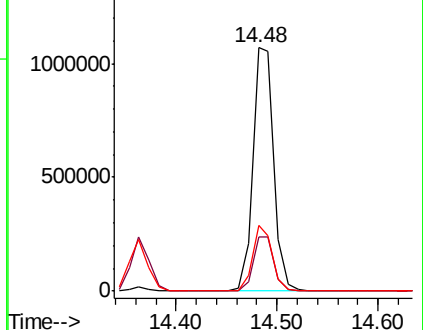
91 27.2 12.6 37.6

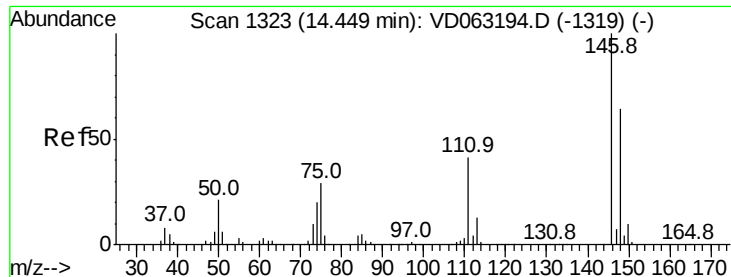


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

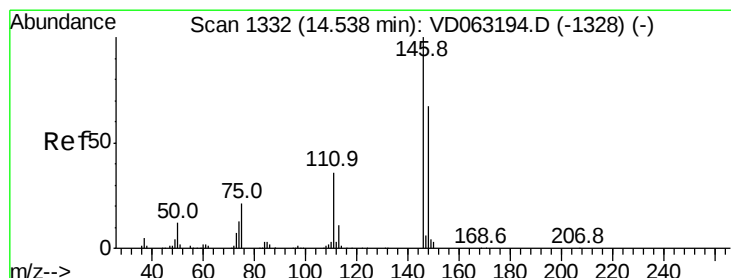
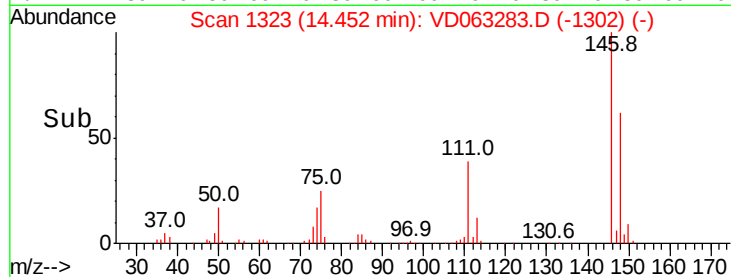
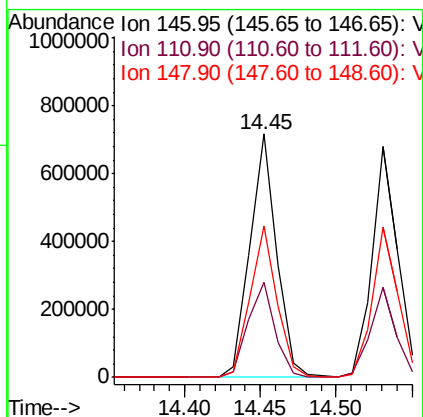
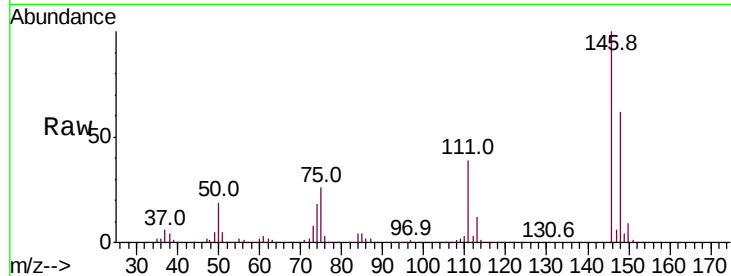




#87
 1,3-Dichlorobenzene
 Concen: 42.987 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

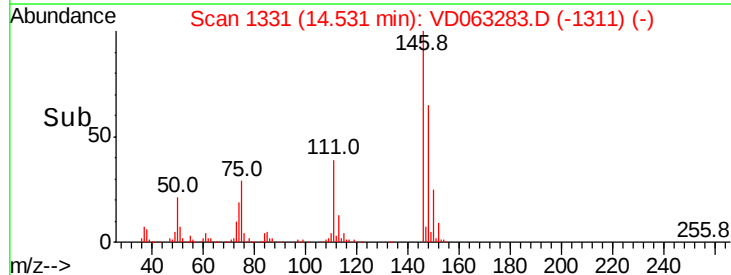
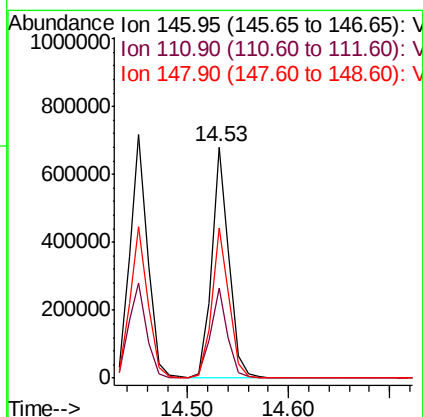
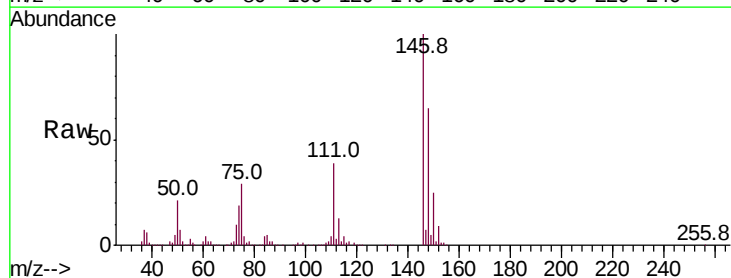
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

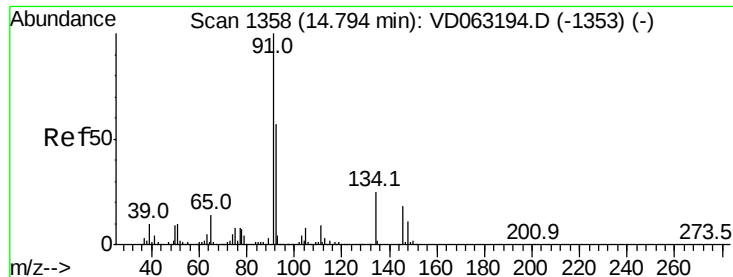
Tot Ion:146 Resp: 880689
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.4 61.3
 148 62.3 31.8 95.4



#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:146 Resp: 814499
 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 :

VSTDCCC050EC

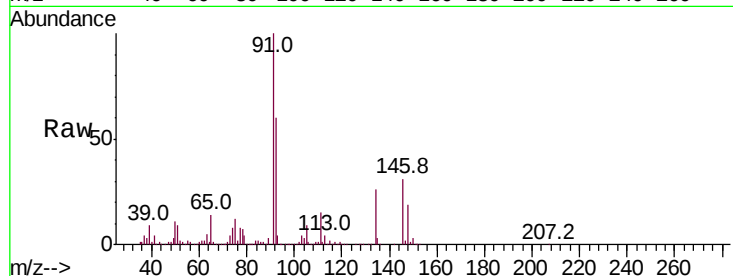
Tot Ion: 91 Resp: 1554609

Ion Ratio Lower Upper

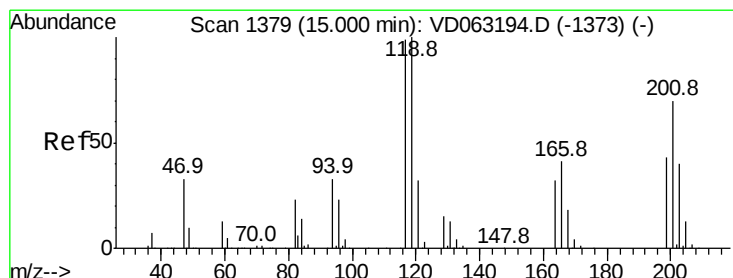
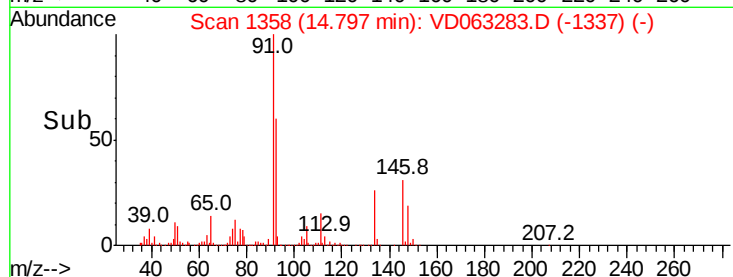
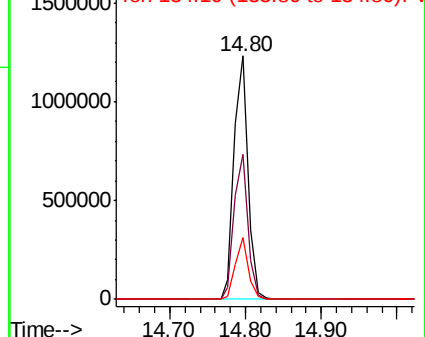
91 100

92 59.7 28.3 85.0

134 25.6 12.3 36.8



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



#90

Hexachloroethane

Concen: 41.710 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063283.D

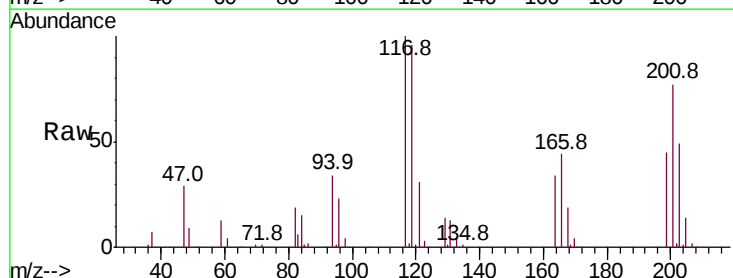
Acq: 31 Jul 2019 17:09

Tgt Ion: 117 Resp: 437029

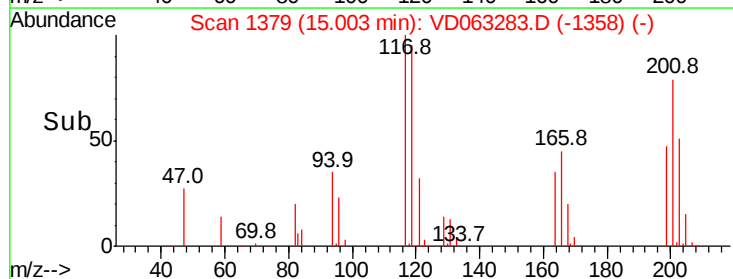
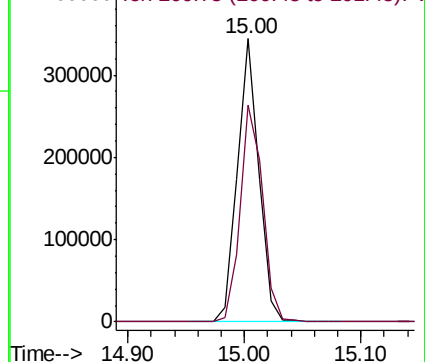
Ion Ratio Lower Upper

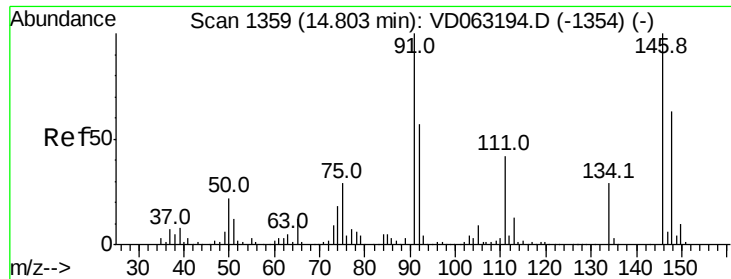
117 100

201 76.5 35.2 105.6



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

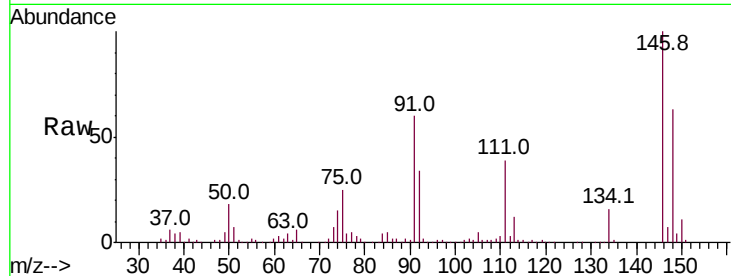




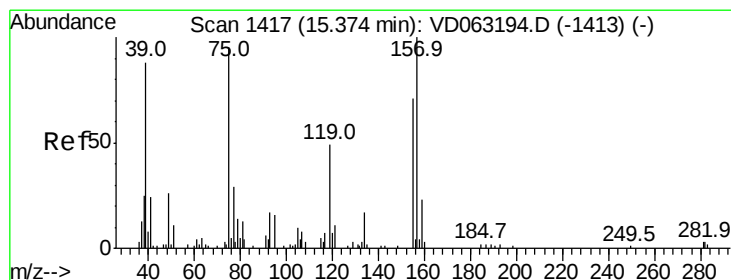
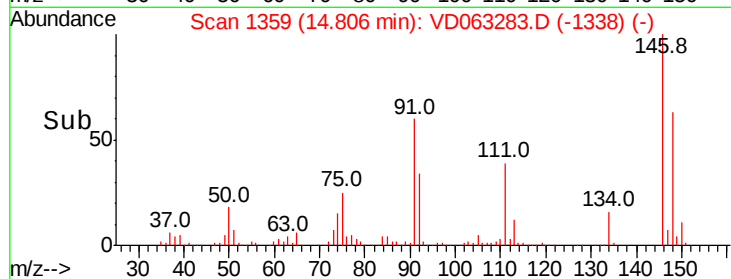
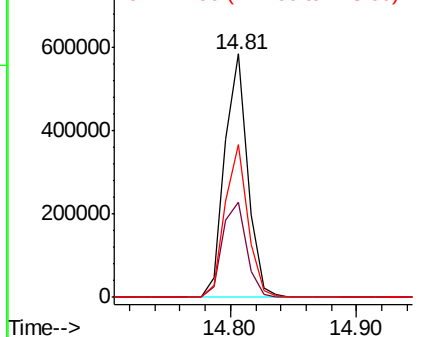
#91
 1,2-Dichlorobenzene
 Concen: 41.209 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 735585
 Ion Ratio Lower Upper
 146 100
 111 39.2 21.1 63.3
 148 62.7 31.6 94.8

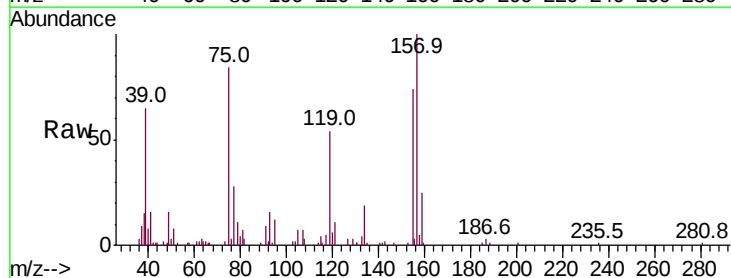


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

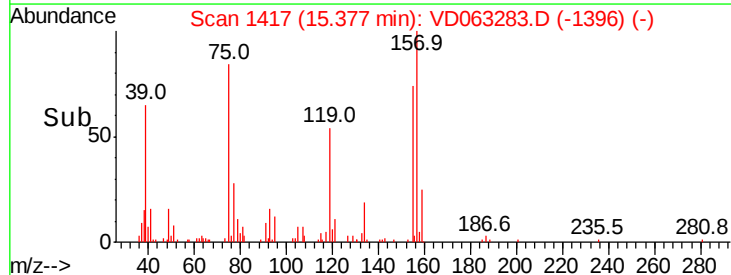
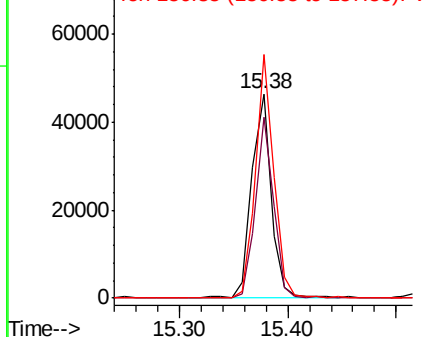


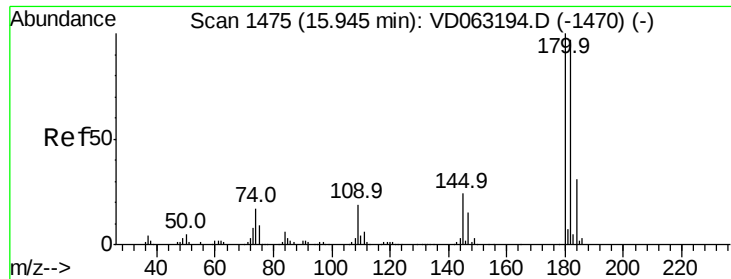
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.469 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Tgt Ion: 75 Resp: 58269
 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

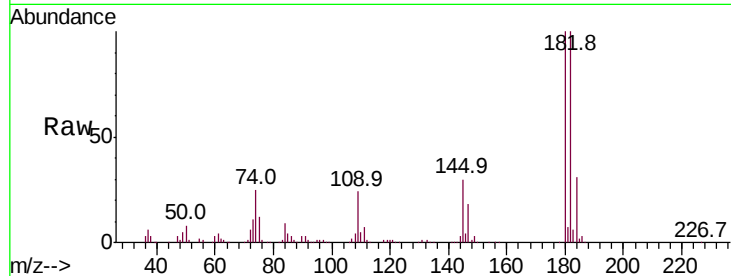




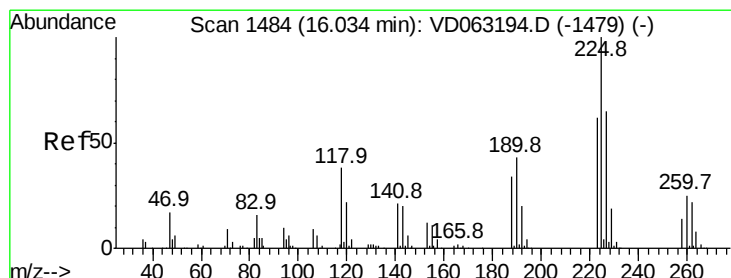
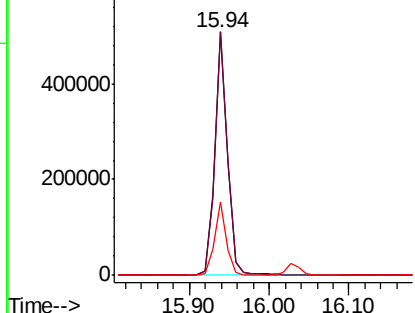
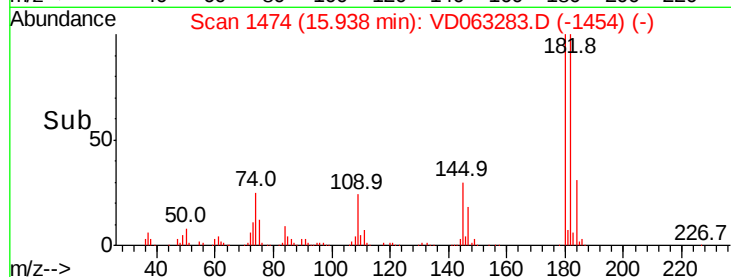
#93
 1,2,4-Trichlorobenzene
 Concen: 40.289 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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

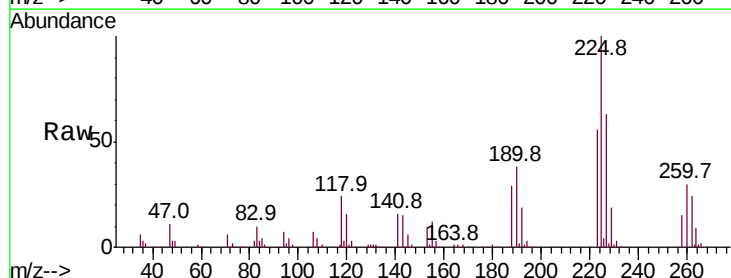


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

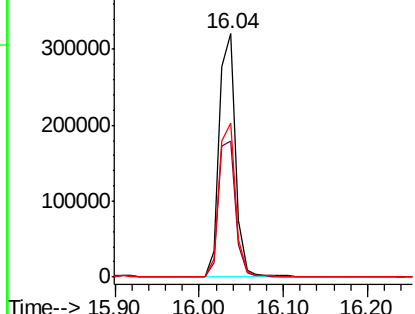
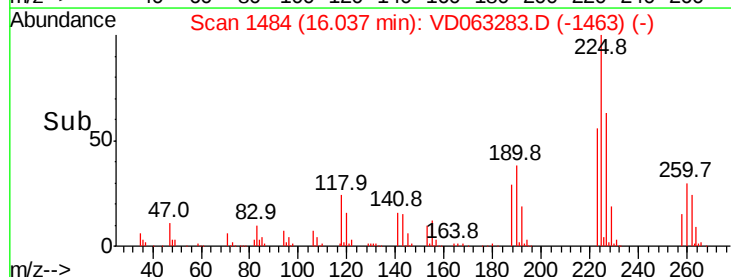


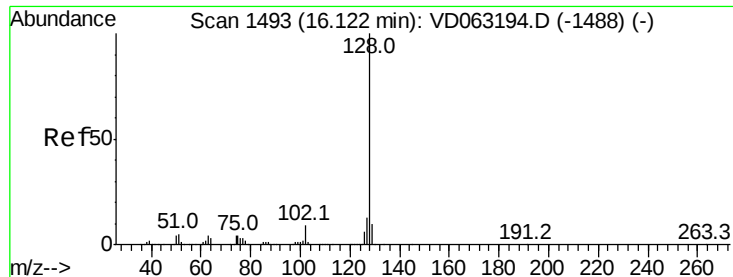
#94
 Hexachlorobutadiene
 Concen: 42.181 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063283.D
 Acq: 31 Jul 2019 17:09

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

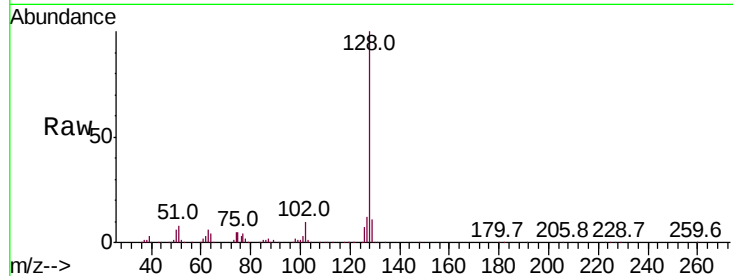




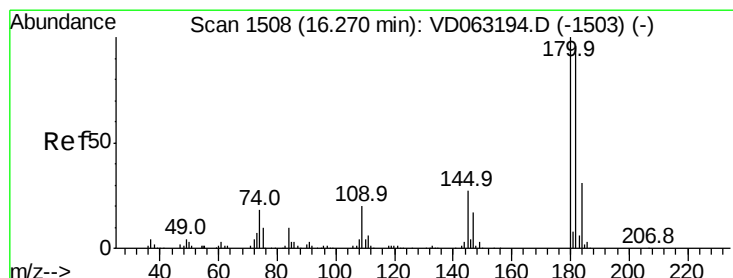
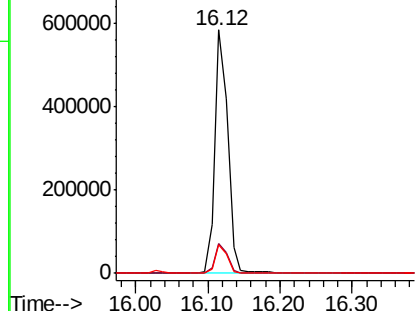
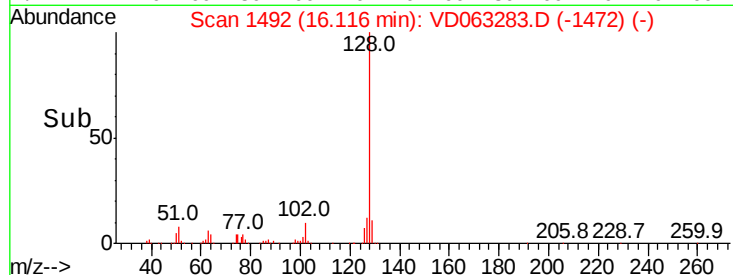
#95
Naphthalene
Concen: 36.066 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063283.D
Acq: 31 Jul 2019 17:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

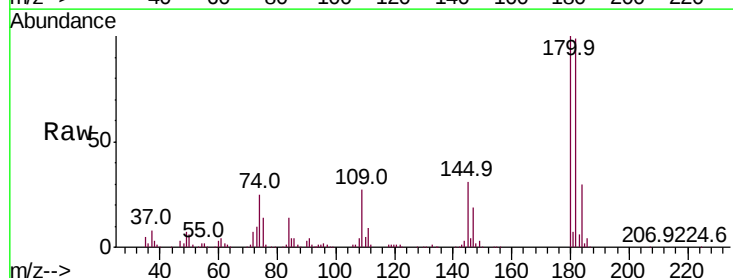


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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

