

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063212.D
 Acq On : 29 Jul 2019 22:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 30 04:01:43 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	7.04	168	990697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1400208	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1194476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	661302	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	612707	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
35) Dibromofluoromethane	6.91	113	635529	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
50) Toluene-d8	10.41	98	1405685	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	13.55	95	604988	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	534581	44.144	ug/l	97
3) Chloromethane	1.74	50	444412	47.234	ug/l	92
4) Vinyl Chloride	1.84	62	456480	46.866	ug/l	98
5) Bromomethane	2.14	94	242575	49.380	ug/l	97
6) Chloroethane	2.26	64	219051	48.711	ug/l	98
7) Trichlorofluoromethane	2.52	101	846038	44.774	ug/l	99
8) Diethyl Ether	2.87	74	139227	52.647	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	498250	47.602	ug/l	90
10) Methyl Iodide	3.29	142	783423	51.810	ug/l	99
11) Tert butyl alcohol	4.07	59	110582	229.226	ug/l	96
12) 1,1-Dichloroethene	3.11	96	368046	47.896	ug/l	88
13) Acrolein	3.03	56	102586	220.958	ug/l	86
14) Allyl chloride	3.61	41	589123	48.126	ug/l	94
15) Acrylonitrile	4.19	53	335357	268.136	ug/l	94
16) Acetone	3.21	43	511550	238.840	ug/l	98
17) Carbon Disulfide	3.36	76	1158196	45.031	ug/l	98
18) Methyl Acetate	3.64	43	214444	52.125	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	902972	52.022	ug/l	100
20) Methylene Chloride	3.80	84	422991	48.858	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	419824	48.692	ug/l	92
22) Diisopropyl ether	5.11	45	1222588	49.990	ug/l	98
23) Vinyl Acetate	5.04	43	3854472	256.391	ug/l	99
24) 1,1-Dichloroethane	4.96	63	787705	50.424	ug/l	98
25) 2-Butanone	6.07	43	547494	254.709	ug/l	98
26) 2,2-Dichloropropane	6.02	77	758790	47.133	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	463533	50.144	ug/l	96
28) Bromochloromethane	6.43	49	294813	47.366	ug/l	# 100
29) Tetrahydrofuran	6.45	42	243713	239.480	ug/l	97
30) Chloroform	6.66	83	973818	50.231	ug/l	94
31) Cyclohexane	6.94	56	476586	48.672	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	926416	49.403	ug/l	99
36) 1,1-Dichloropropene	7.14	75	600593	47.000	ug/l	98
37) Ethyl Acetate	6.18	43	280494	48.858	ug/l	95
38) Carbon Tetrachloride	7.10	117	1024396	53.249	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	490136	46.036	ug/l	96
40) Benzene	7.45	78	1381448	51.582	ug/l	99
41) Methacrylonitrile	6.44	41	341280	49.696	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	744042	52.420	ug/l	99
43) Isopropyl Acetate	9.24	43	388460	52.971	ug/l #	97
44) Trichloroethene	8.54	130	525615	48.434	ug/l	96
45) 1,2-Dichloropropane	8.93	63	323080	47.461	ug/l	89
46) Dibromomethane	9.06	93	289283	51.109	ug/l	95
47) Bromodichloromethane	9.36	83	753354	52.214	ug/l	94
48) Methyl methacrylate	9.12	41	248550	52.258	ug/l	94
49) 1,4-Dioxane	9.08	88	43737	1085.900	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	1308903	262.444	ug/l	97
52) Toluene	10.51	92	896165	50.311	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	635967	51.127	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	637679	48.778	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	307215	51.067	ug/l	94
56) Ethyl methacrylate	11.04	69	369177	56.041	ug/l	95
57) 1,3-Dichloropropane	11.40	76	494160	52.134	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	840459	245.190	ug/l	99
59) 2-Hexanone	11.53	43	960099	267.132	ug/l	98
60) Dibromochloromethane	11.68	129	605750	53.337	ug/l	95
61) 1,2-Dibromoethane	11.81	107	366495	49.371	ug/l	97
64) Tetrachloroethene	11.26	164	452956	47.600	ug/l	98
65) Chlorobenzene	12.40	112	1135208	49.410	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	486420	48.064	ug/l	96
67) Ethyl Benzene	12.52	91	1790699	45.881	ug/l	98
68) m/p-Xylenes	12.66	106	1348780	94.232	ug/l	91
69) o-Xylene	13.05	106	647251	49.243	ug/l	89
70) Styrene	13.07	104	1153731	49.495	ug/l	97
71) Bromoform	13.23	173	398999	54.214	ug/l	99
73) Isopropylbenzene	13.40	105	1977072	47.634	ug/l	98
74) N-amyl acetate	13.26	43	543078	49.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	335895	47.643	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	373394	47.009	ug/l	98
77) Bromobenzene	13.67	156	554753	46.919	ug/l	92
78) n-propylbenzene	13.78	91	2217601	44.898	ug/l	97
79) 2-Chlorotoluene	13.83	91	1351459	47.221	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1679473	46.915	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	103584	46.963	ug/l	90
82) 4-Chlorotoluene	13.94	91	1613256	47.898	ug/l	93
83) tert-Butylbenzene	14.19	119	1815395	44.414	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1634252	44.136	ug/l	97
85) sec-Butylbenzene	14.37	105	1807098	41.962	ug/l	99
86) p-Isopropyltoluene	14.48	119	1731888	42.135	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	956614	45.686	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1000518	47.253	ug/l	95
89) n-Butylbenzene	14.80	91	1658217	46.710	ug/l	96
90) Hexachloroethane	15.01	117	504155	47.078	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	862029	47.251	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65639	45.706	ug/l	77

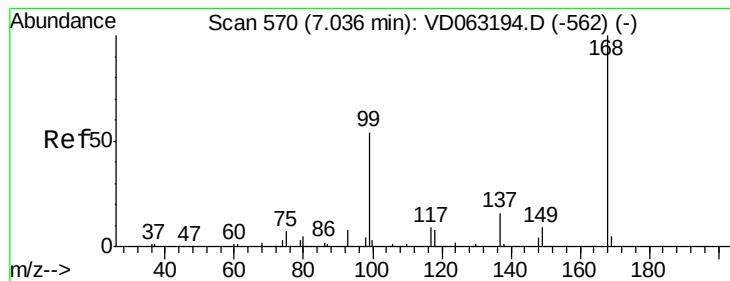
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063212.D
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	665724	45.999	ug/l	98
94) Hexachlorobutadiene	16.04	225	495718	47.265	ug/l	100
95) Naphthalene	16.12	128	1073012	52.455	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	543886	47.570	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

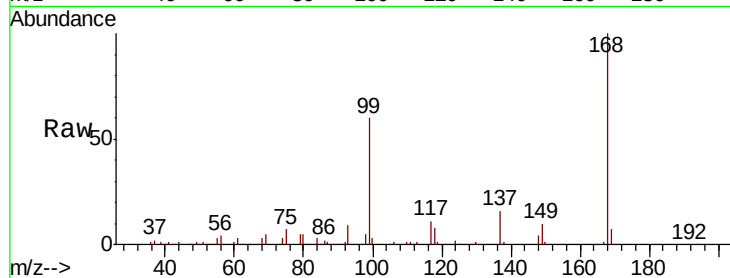
VSTDCCC050

Tot Ion:168 Resp: 990697

Ion Ratio Lower Upper

168 100

99 60.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

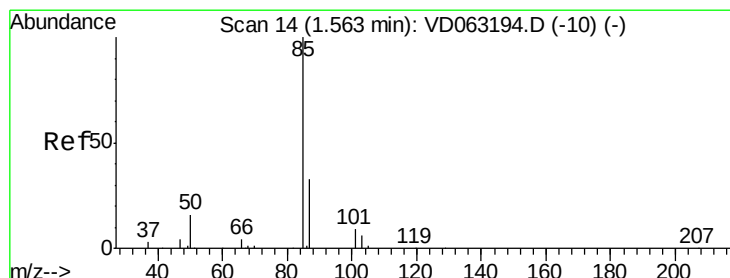
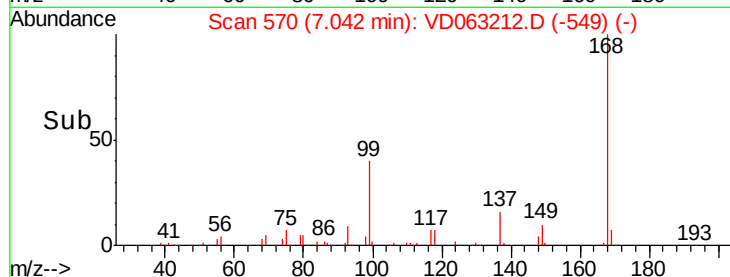
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.144 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.01 min

Lab File: VD063212.D

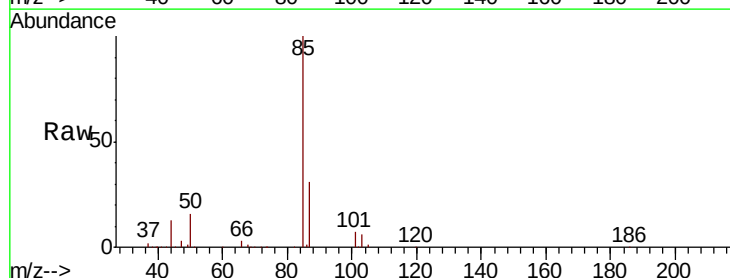
Acq: 29 Jul 2019 22:08

Tgt Ion: 85 Resp: 534581

Ion Ratio Lower Upper

85 100

87 31.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

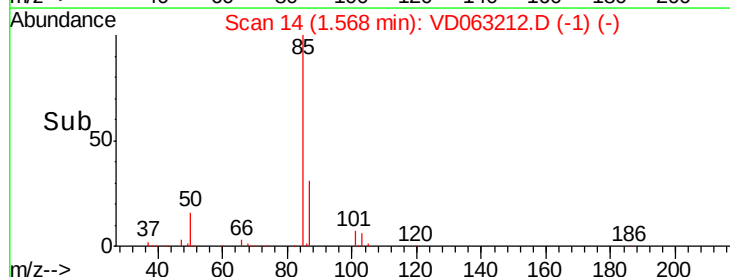
200000

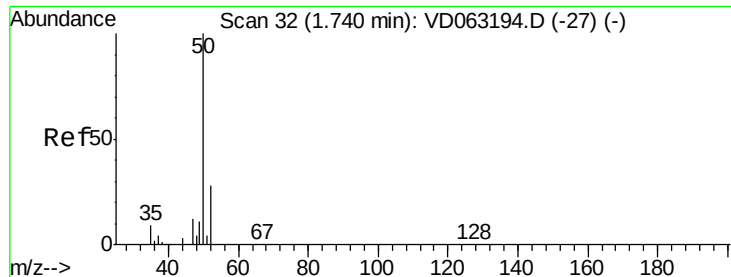
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.234 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

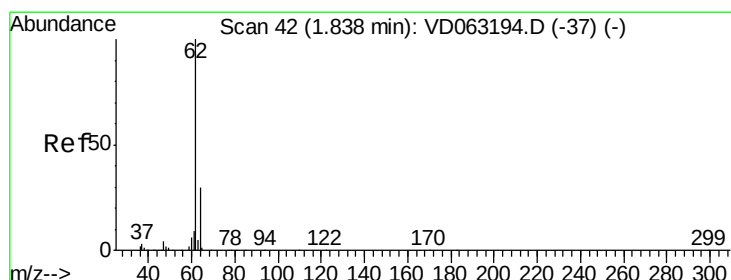
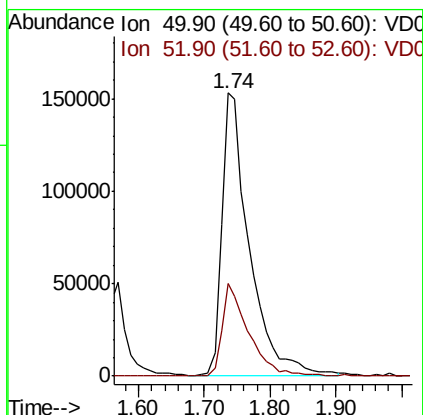
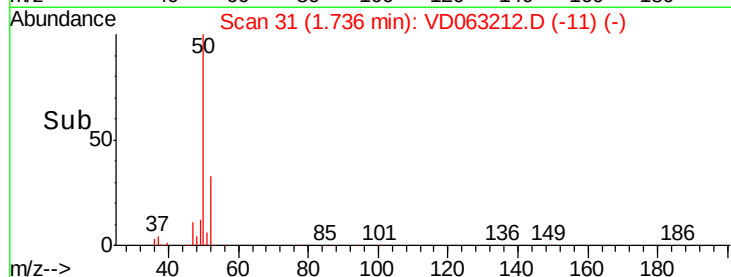
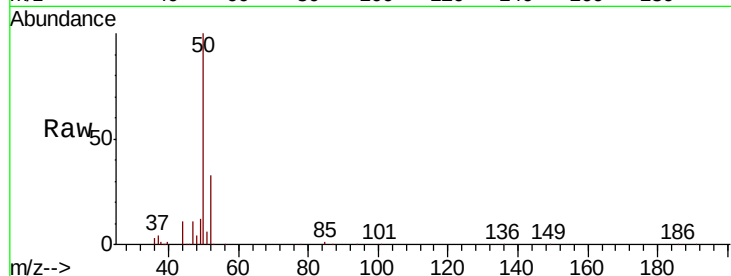
VSTDCCC050

Tot Ion: 50 Resp: 444412

Ion Ratio Lower Upper

50 100

52 32.5 22.6 34.0



#4

Vinyl Chloride

Concen: 46.866 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063212.D

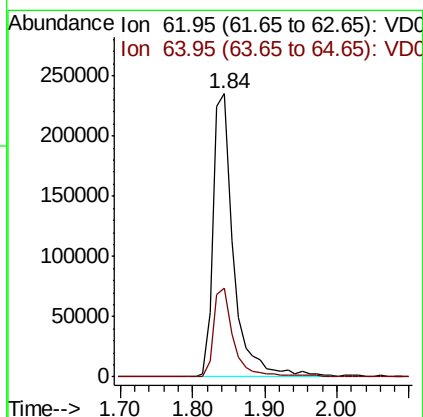
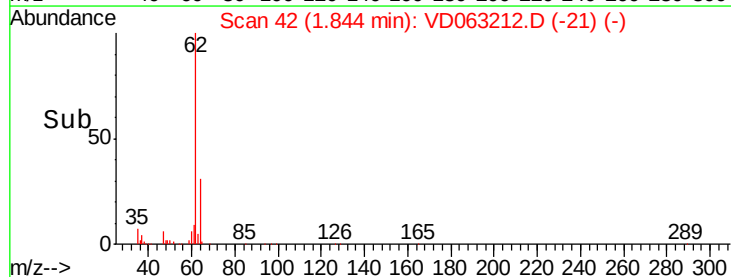
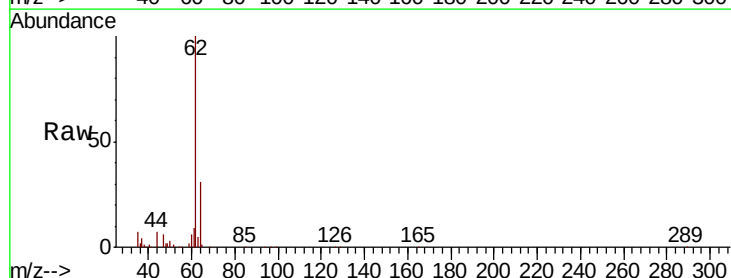
Acq: 29 Jul 2019 22:08

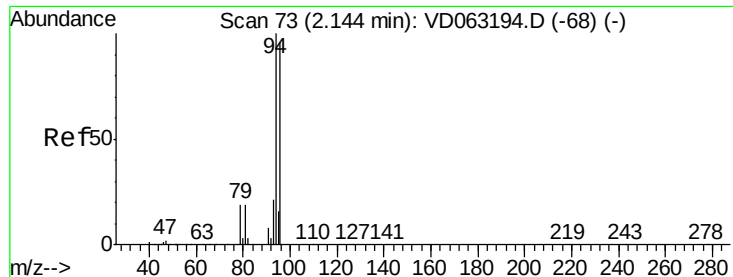
Tgt Ion: 62 Resp: 456480

Ion Ratio Lower Upper

62 100

64 31.4 24.1 36.1





#5

Bromomethane

Concen: 49.380 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

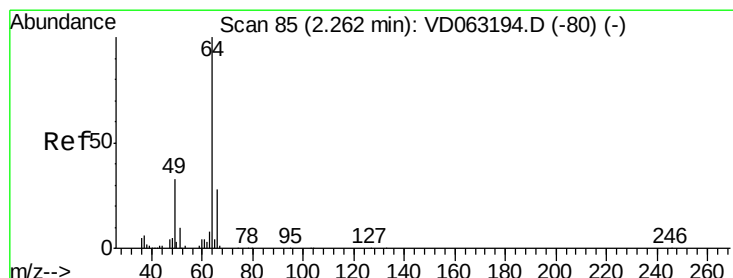
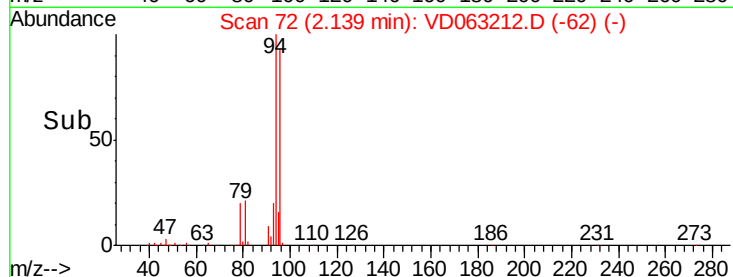
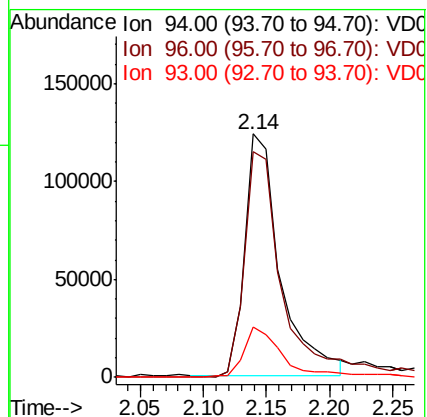
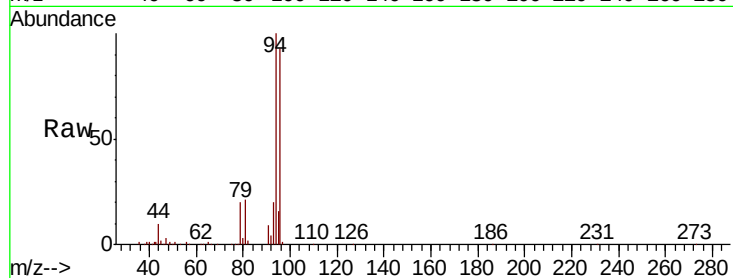
Tot Ion: 94 Resp: 242575

Ion Ratio Lower Upper

94 100

96 92.5 76.4 114.6

93 20.4 17.3 25.9



#6

Chloroethane

Concen: 48.711 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063212.D

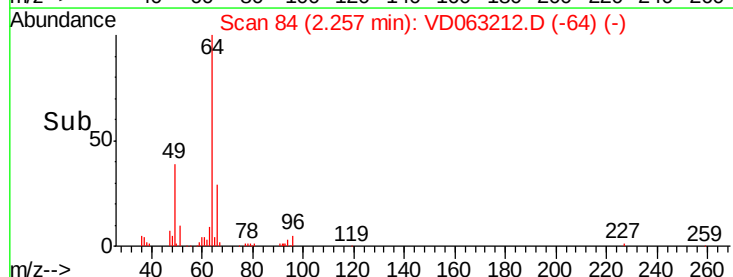
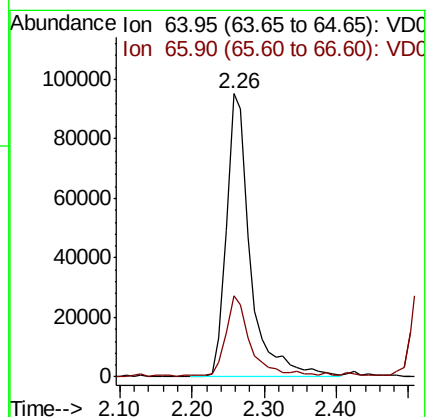
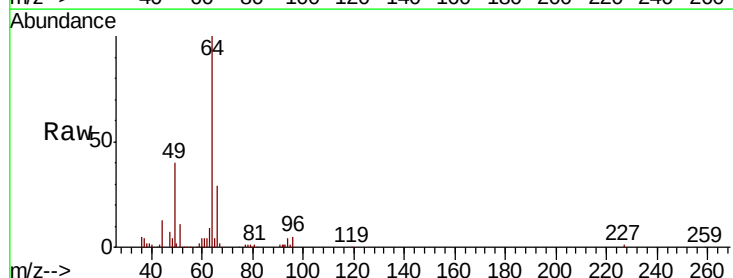
Acq: 29 Jul 2019 22:08

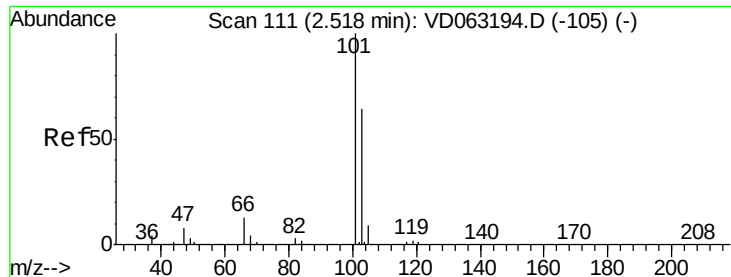
Tgt Ion: 64 Resp: 219051

Ion Ratio Lower Upper

64 100

66 28.7 22.2 33.2



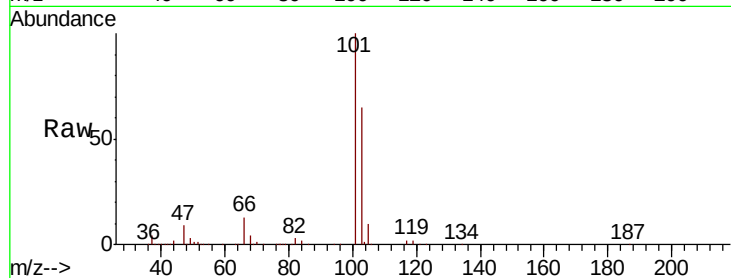


#7

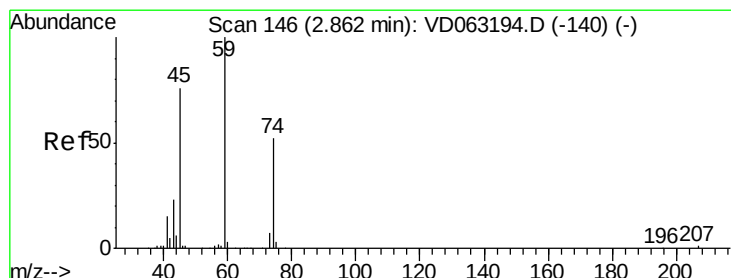
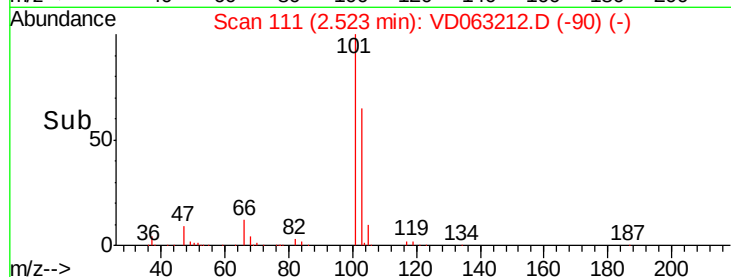
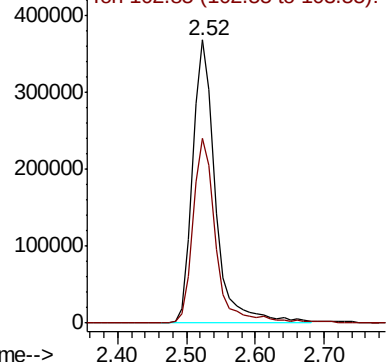
Trichlorofluoromethane
Concen: 44.774 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 846038
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3



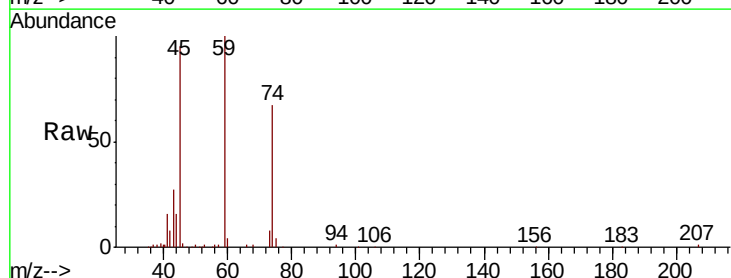
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



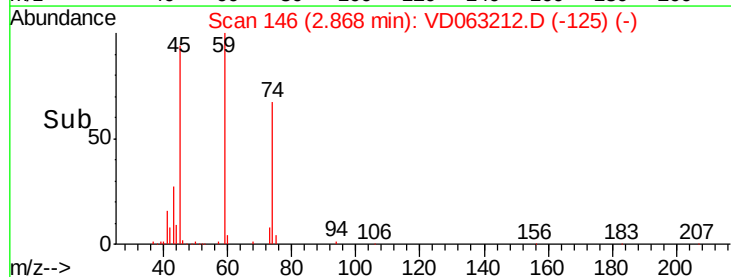
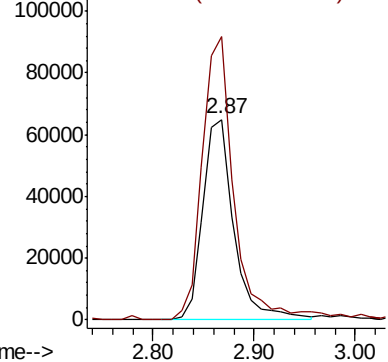
#8

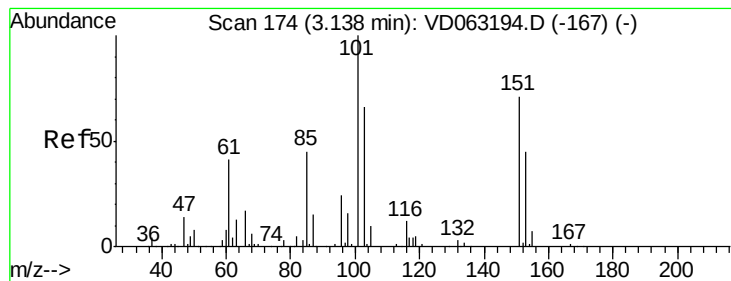
Diethyl Ether
Concen: 52.647 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 74 Resp: 139227
Ion Ratio Lower Upper
74 100
45 141.3 73.6 220.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.602 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

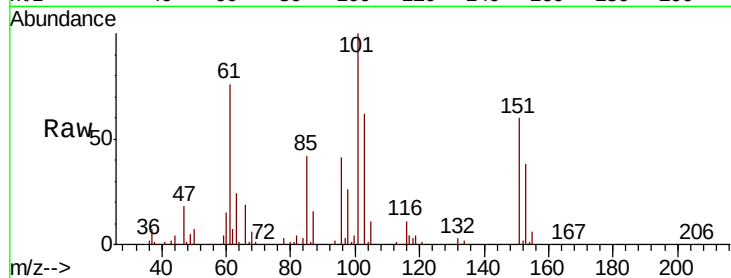
Tot Ion:101 Resp: 498250

Ion Ratio Lower Upper

101 100

85 41.7 36.1 54.1

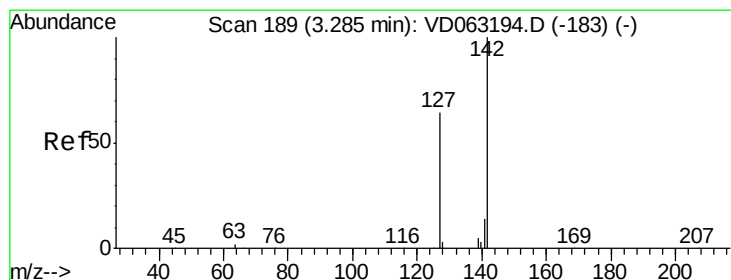
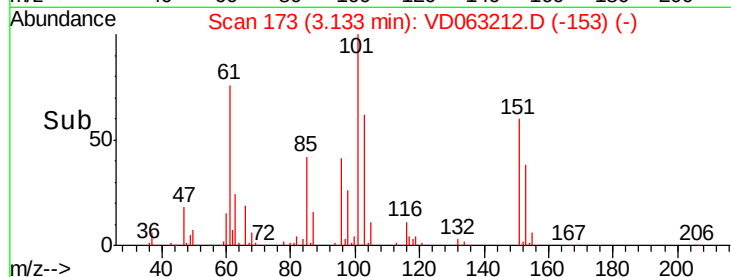
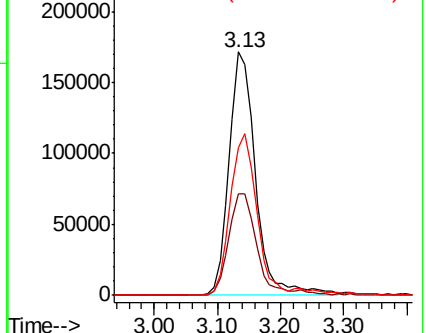
151 60.5 57.1 85.7



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: 51.810 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

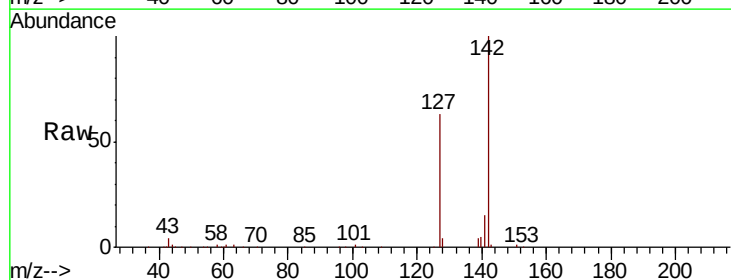
Tgt Ion:142 Resp: 783423

Ion Ratio Lower Upper

142 100

127 63.3 50.8 76.2

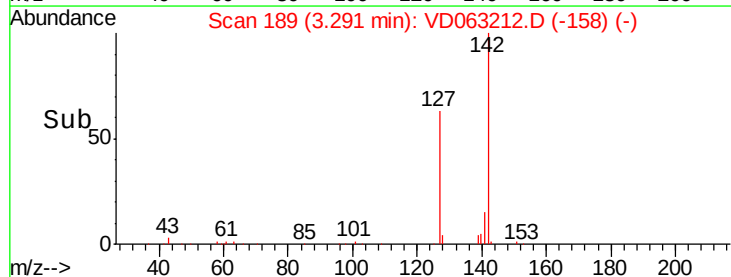
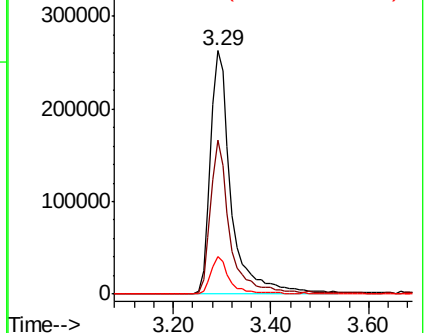
141 15.3 11.4 17.2

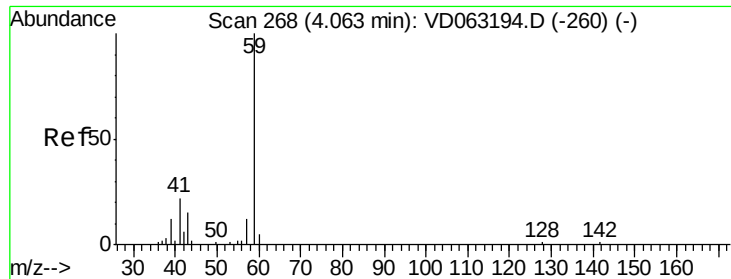


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

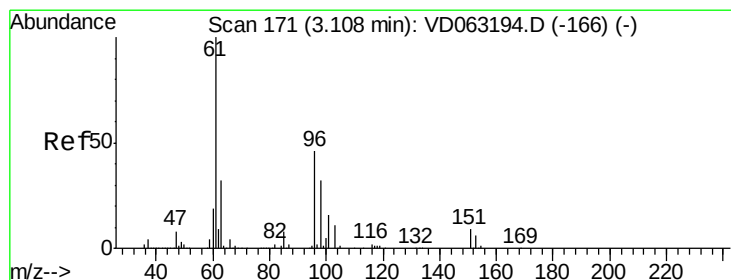
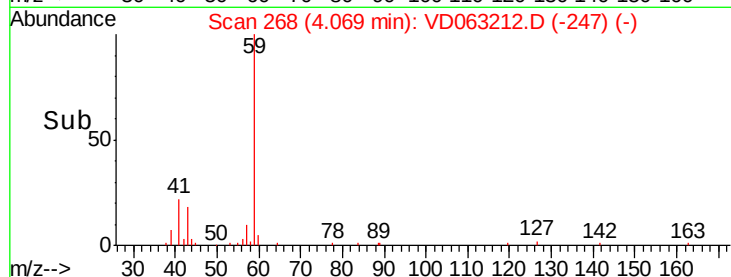
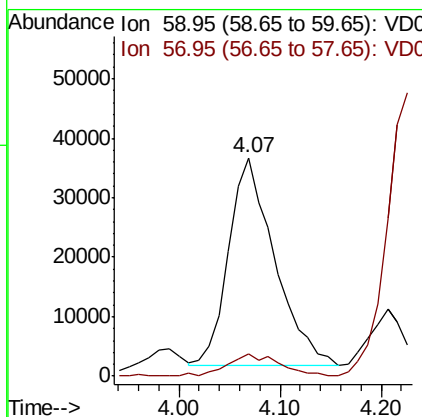
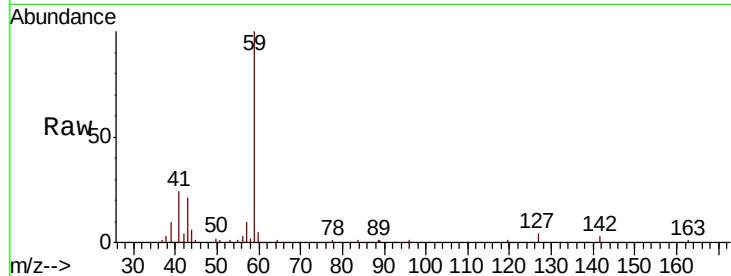




#11
Tert butyl alcohol
Concen: 229.226 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

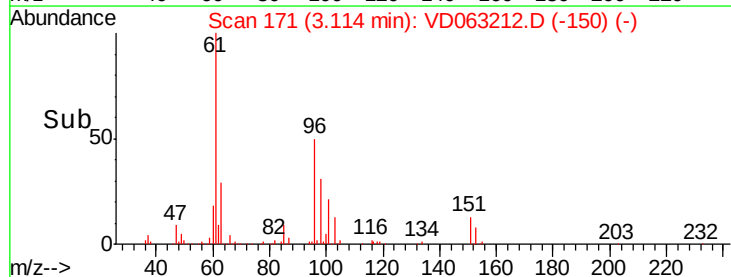
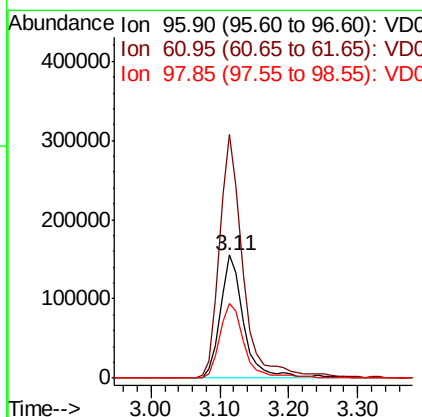
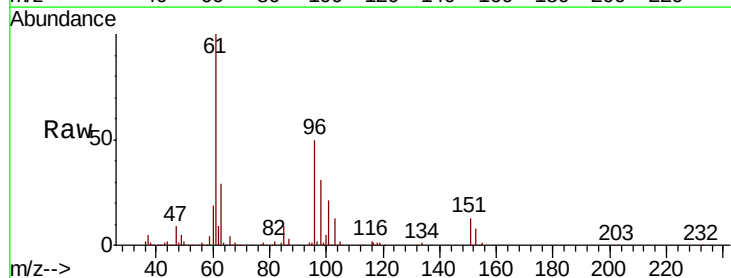
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

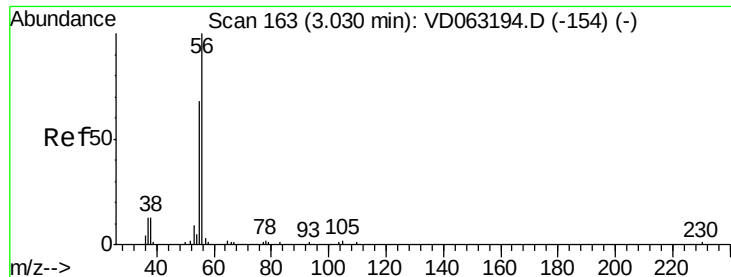
Tot Ion: 59 Resp: 110582
Ion Ratio Lower Upper
59 100
57 10.4 9.6 14.4



#12
1,1-Dichloroethene
Concen: 47.896 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 96 Resp: 368046
Ion Ratio Lower Upper
96 100
61 198.2 173.7 260.5
98 60.9 55.8 83.8





#13

Acrolein

Concen: 220.958 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

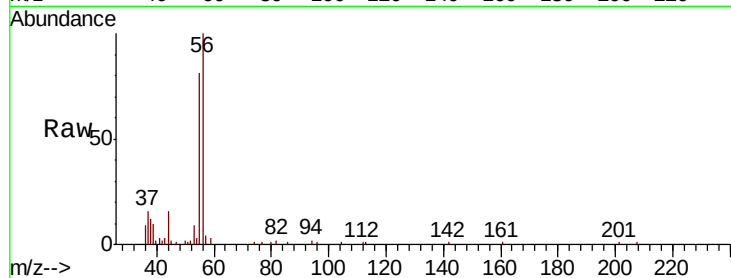
VSTDCCC050

Tot Ion: 56 Resp: 102586

Ion Ratio Lower Upper

56 100

55 80.9 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

40000

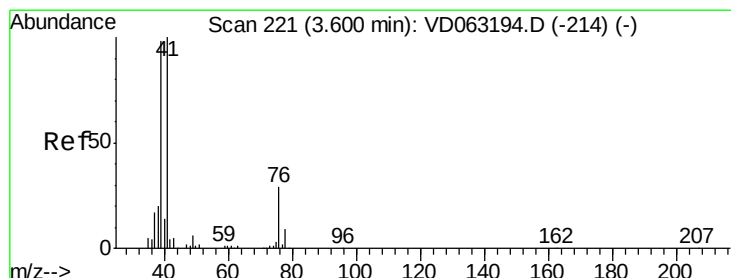
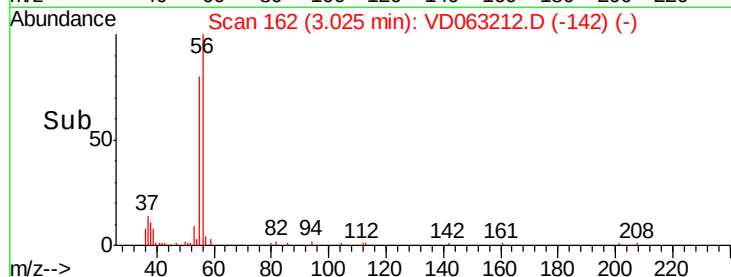
30000

20000

10000

0

Time--> 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 48.126 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

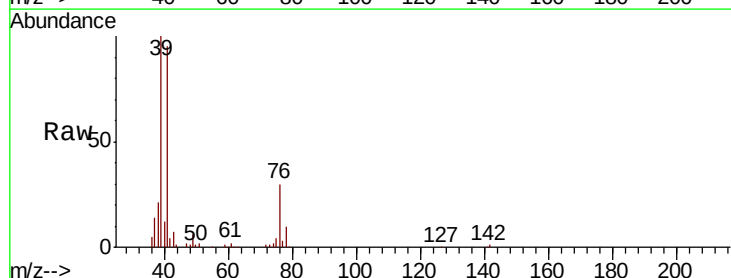
Tgt Ion: 41 Resp: 589123

Ion Ratio Lower Upper

41 100

39 105.5 78.6 117.8

76 31.9 24.5 36.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

300000

250000

200000

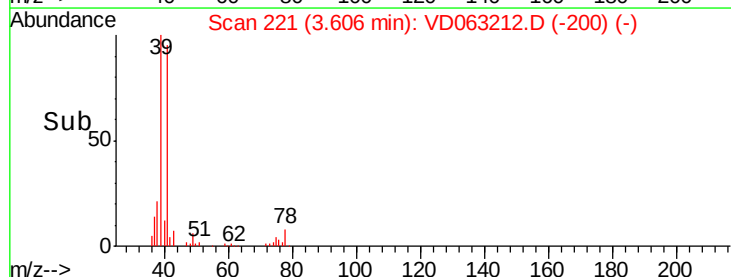
150000

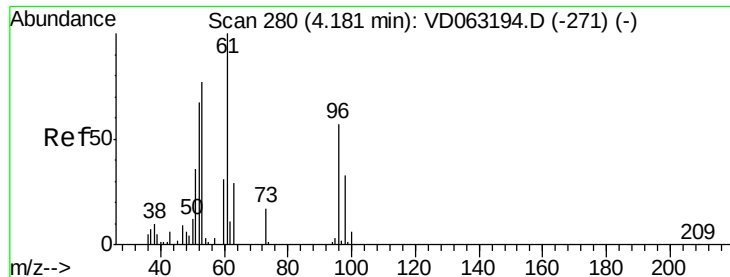
100000

50000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 268.136 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

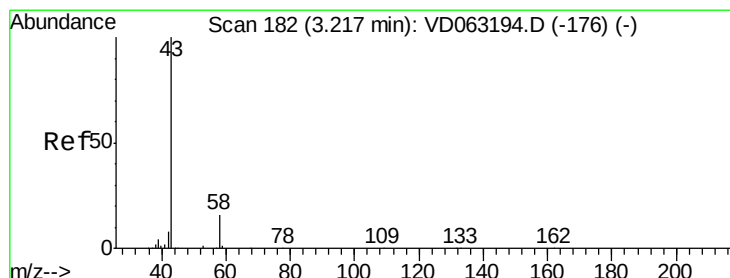
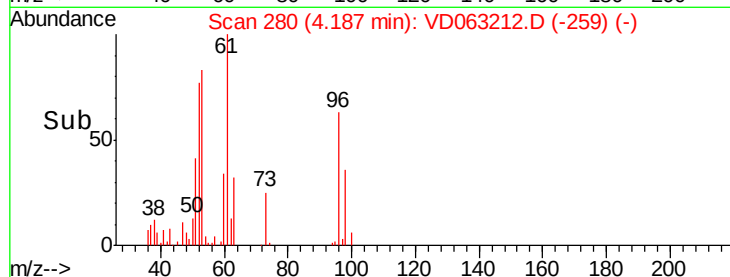
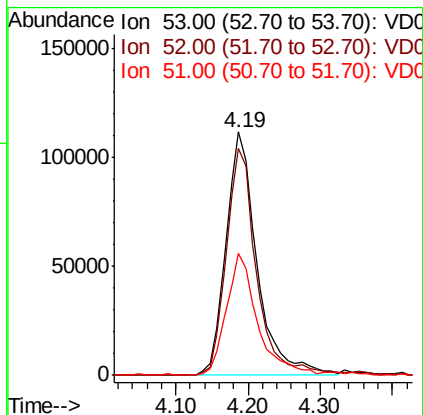
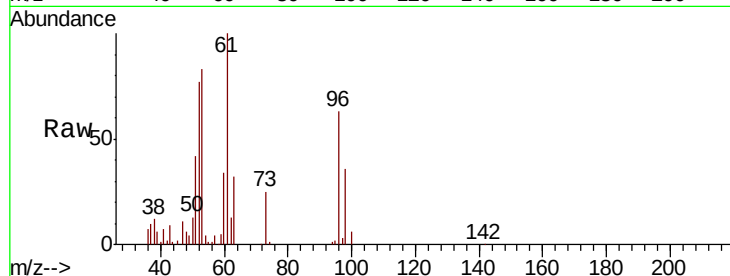
Tot Ion: 53 Resp: 335357

Ion Ratio Lower Upper

53 100

52 93.0 69.7 104.5

51 50.3 37.4 56.0



#16

Acetone

Concen: 238.840 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063212.D

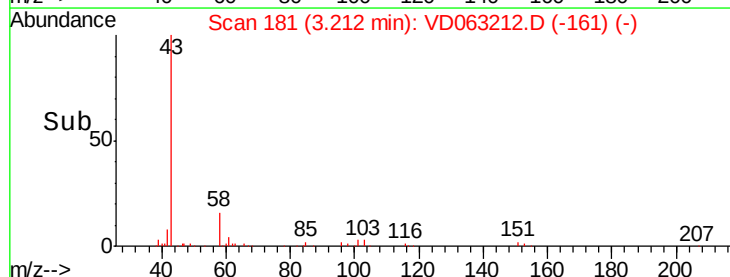
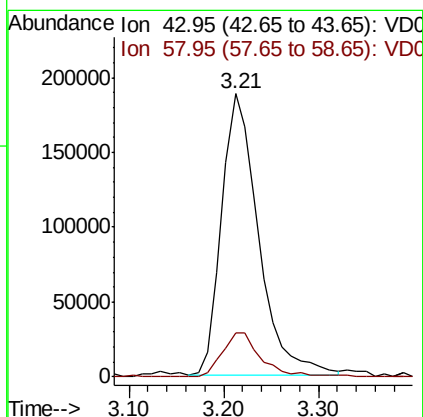
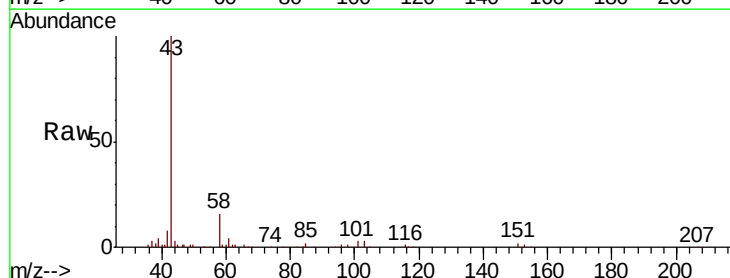
Acq: 29 Jul 2019 22:08

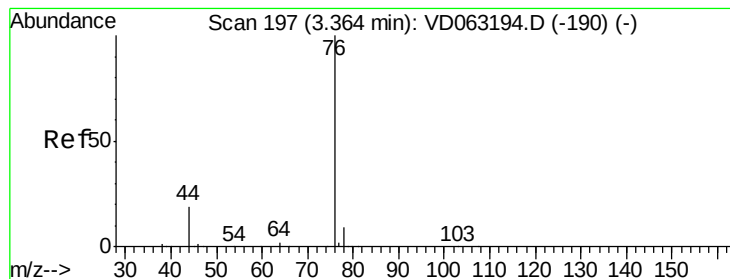
Tgt Ion: 43 Resp: 511550

Ion Ratio Lower Upper

43 100

58 15.5 13.0 19.4





#17

Carbon Disulfide

Concen: 45.031 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

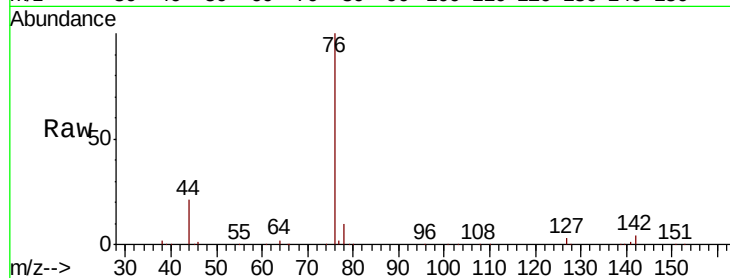
VSTDCCC050

Tot Ion: 76 Resp: 1158196

Ion Ratio Lower Upper

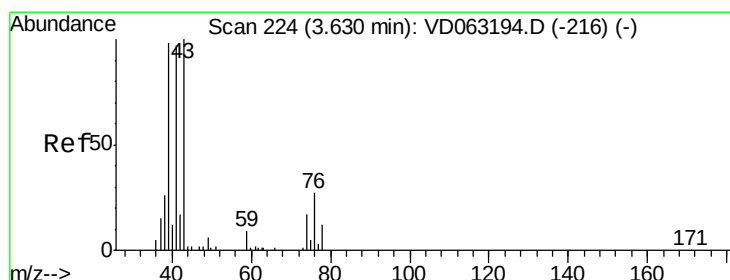
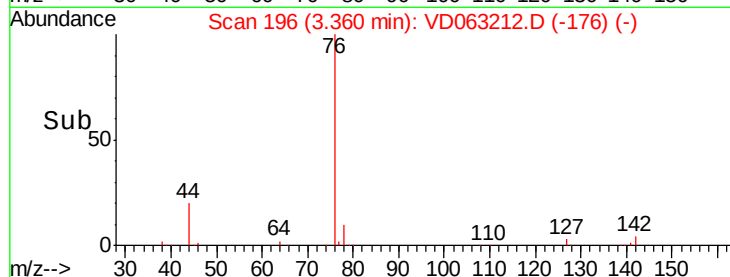
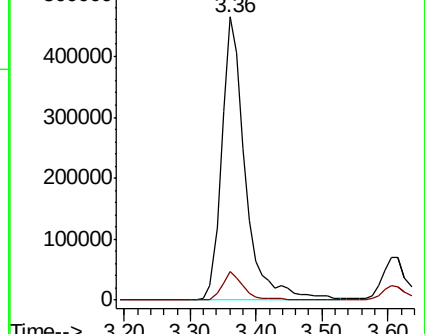
76 100

78 10.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 52.125 ug/l

RT: 3.64 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD063212.D

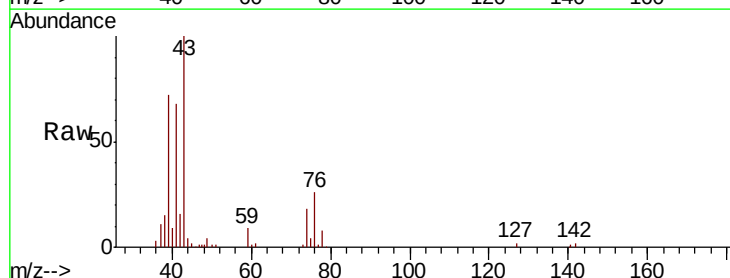
Acq: 29 Jul 2019 22:08

Tgt Ion: 43 Resp: 214444

Ion Ratio Lower Upper

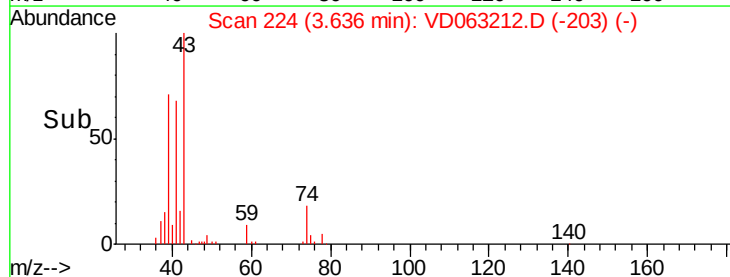
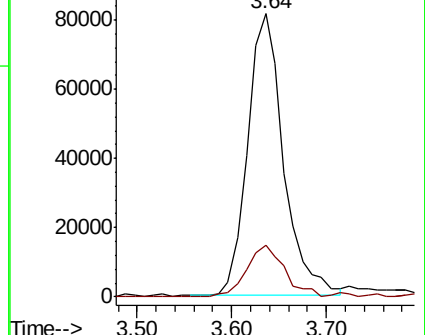
43 100

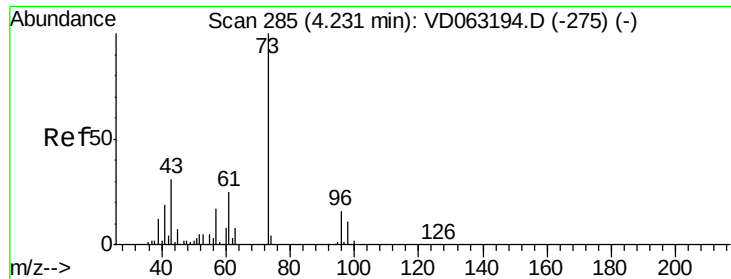
74 18.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

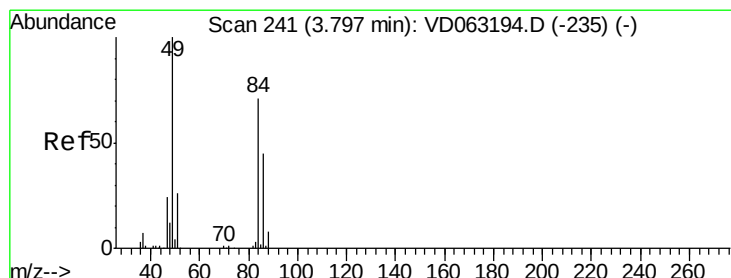
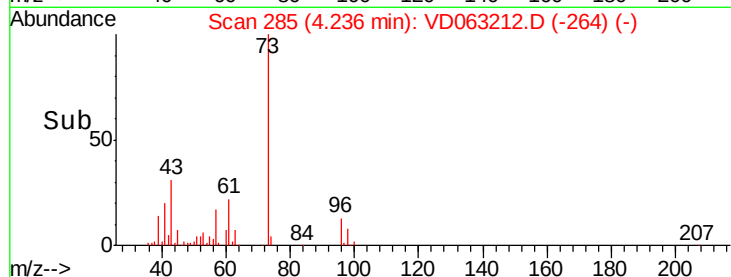
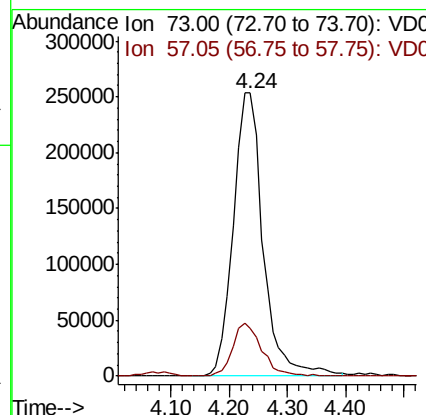
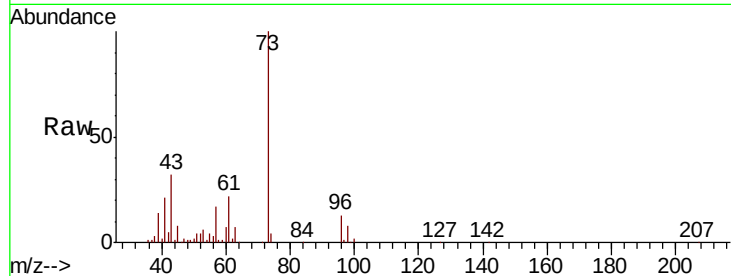




#19
Methvl tert-butyl Ether
Concen: 52.022 ug/l
RT: 4.24 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

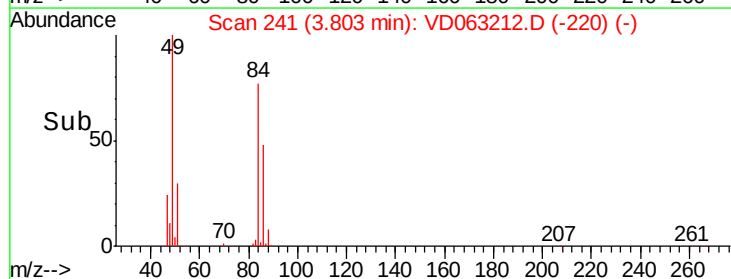
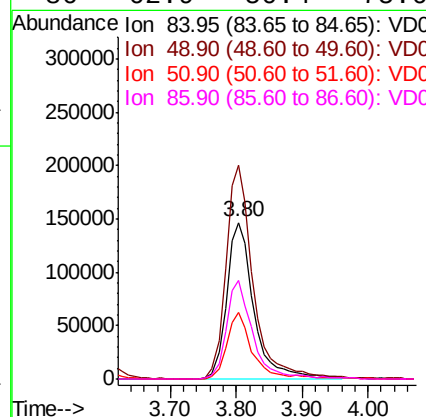
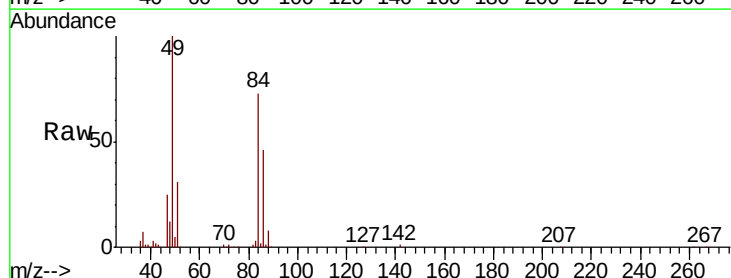
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

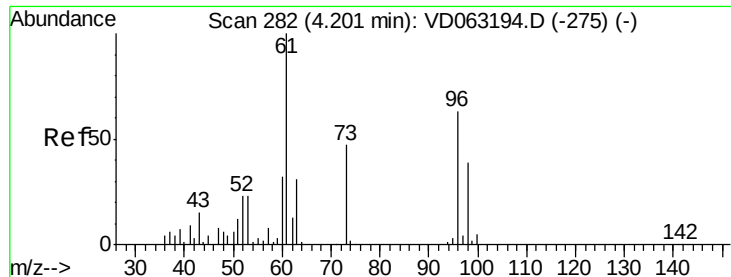
Tot Ion: 73 Resp: 902972
Ion Ratio Lower Upper
73 100
57 17.0 13.8 20.6



#20
Methylene Chloride
Concen: 48.858 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 84 Resp: 422991
Ion Ratio Lower Upper
84 100
49 136.6 112.5 168.7
51 42.3 29.6 44.4
86 62.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 48.692 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

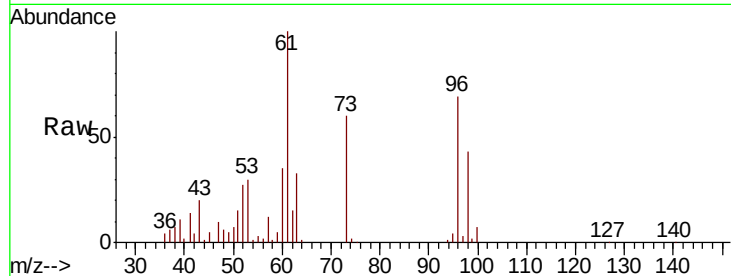
Tot Ion: 96 Resp: 419824

Ion Ratio Lower Upper

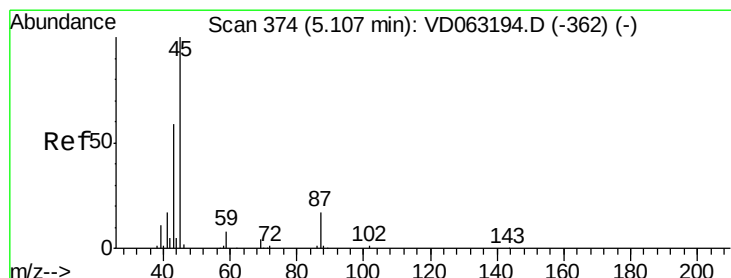
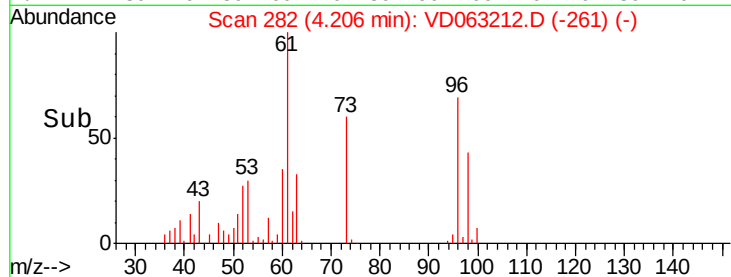
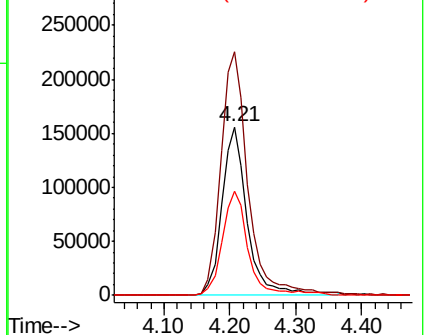
96 100

61 144.6 127.4 191.2

98 62.0 49.3 73.9



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



#22

Diisopropyl ether

Concen: 49.990 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Tgt Ion: 45 Resp: 1222588

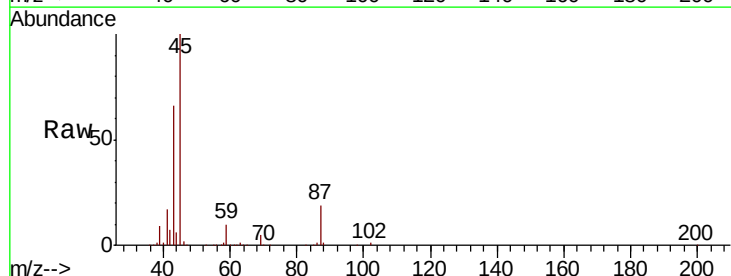
Ion Ratio Lower Upper

45 100

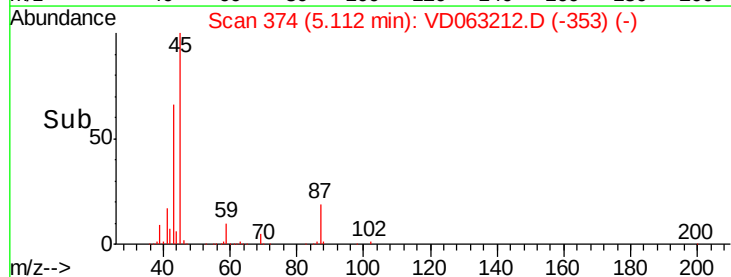
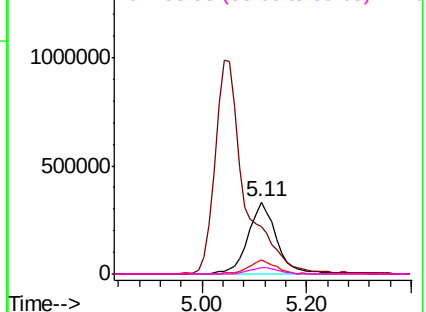
43 66.2 51.7 77.5

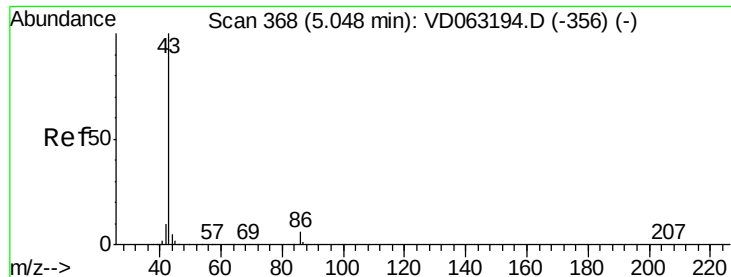
87 18.8 14.6 21.8

59 9.7 6.6 10.0



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





#23

Vinyl Acetate

Concen: 256.391 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

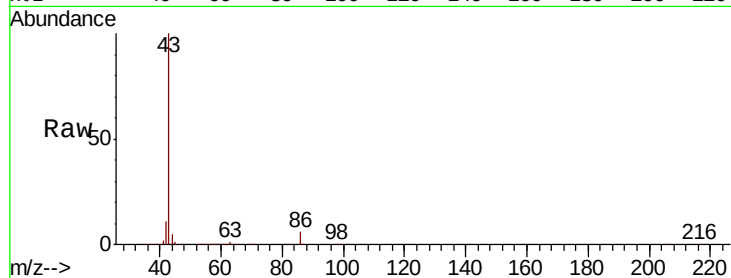
VSTDCCC050

Tot Ion: 43 Resp: 3854472

Ion Ratio Lower Upper

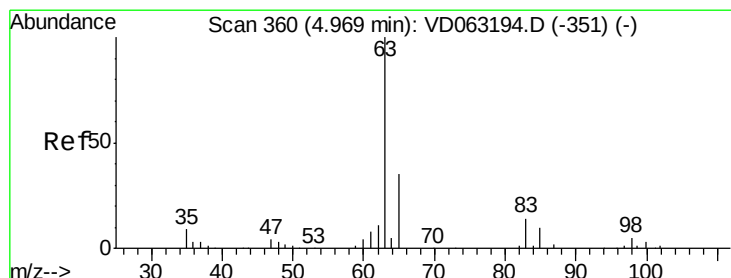
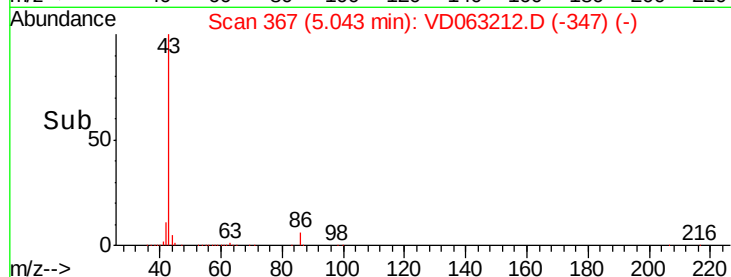
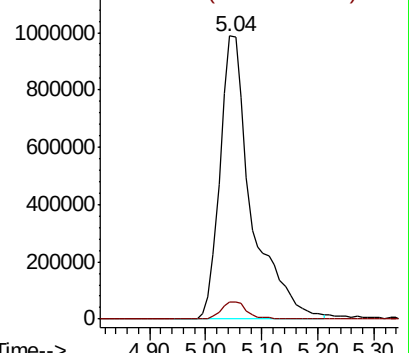
43 100

86 5.9 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: 50.424 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

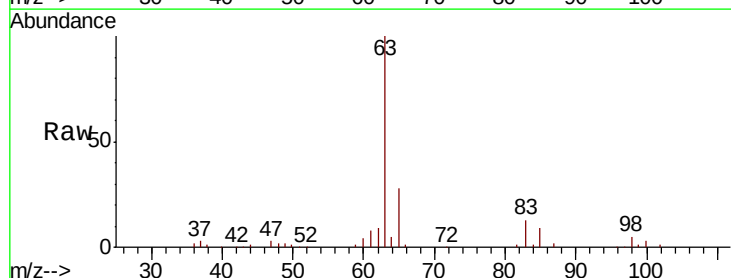
Tgt Ion: 63 Resp: 787705

Ion Ratio Lower Upper

63 100

98 4.6 2.8 8.4

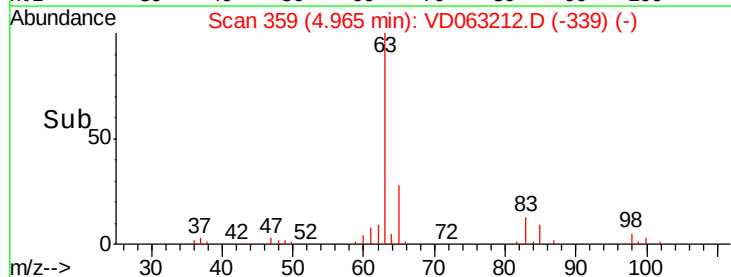
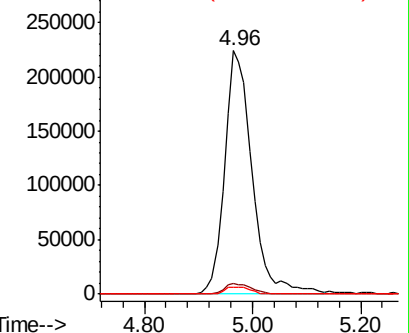
100 2.7 1.3 3.9

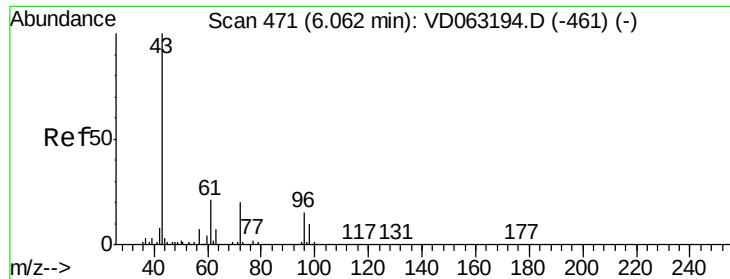


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

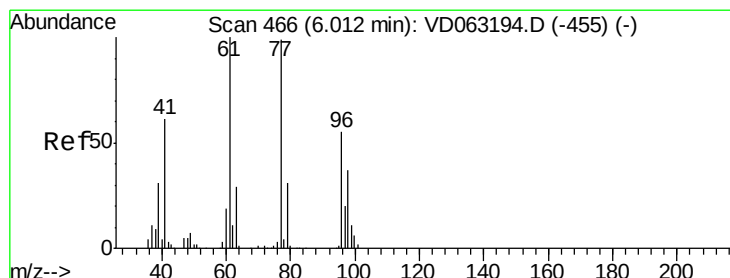
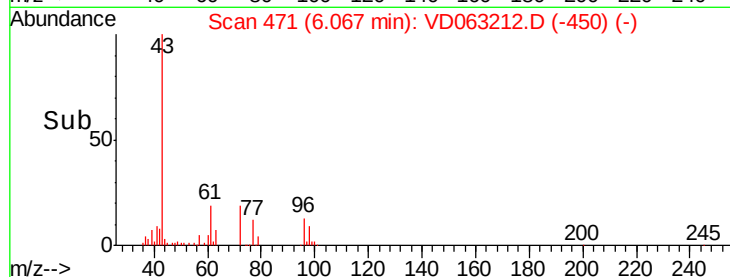
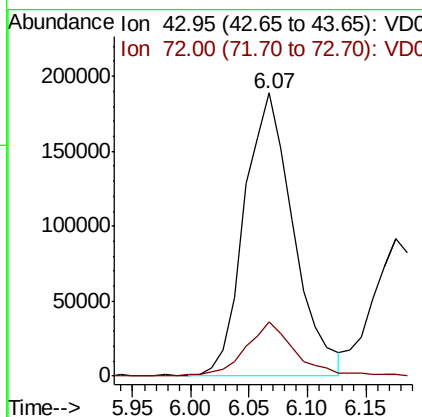
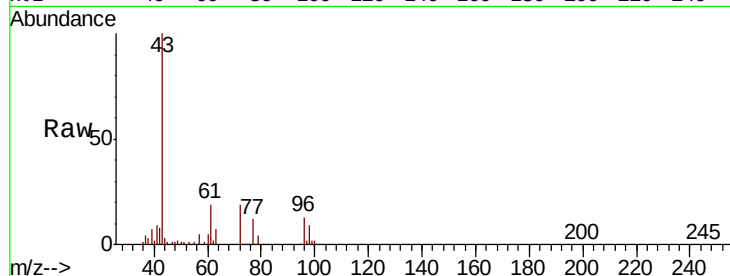




#25
 2-Butanone
 Concen: 254.709 ug/l
 RT: 6.07 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

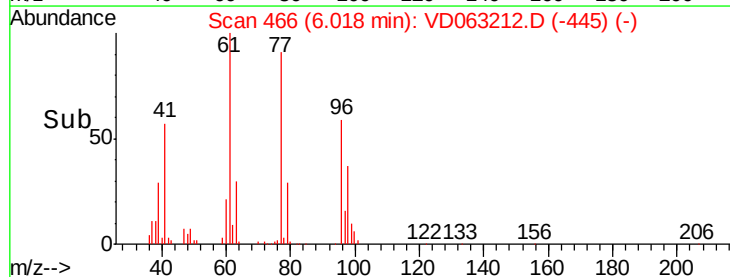
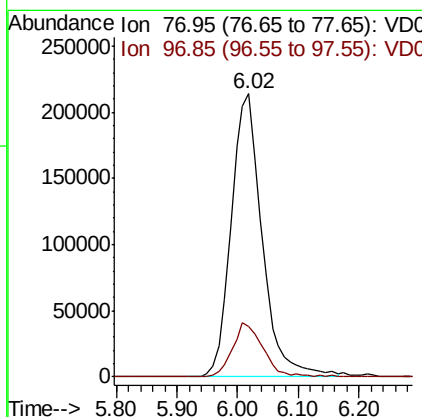
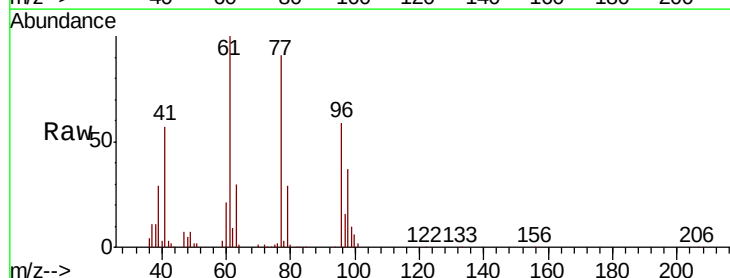
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

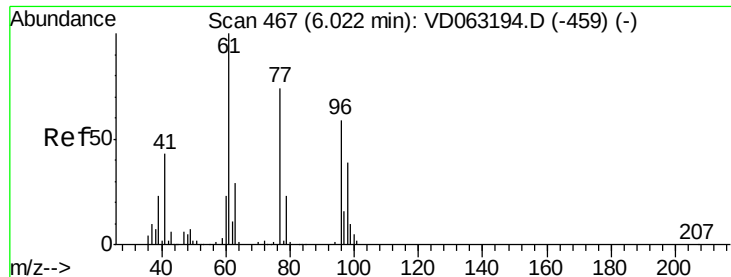
Tot Ion: 43 Resp: 547494
 Ion Ratio Lower Upper
 43 100
 72 19.3 16.3 24.5



#26
 2,2-Dichloropropane
 Concen: 47.133 ug/l
 RT: 6.02 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion: 77 Resp: 758790
 Ion Ratio Lower Upper
 77 100
 97 17.8 10.2 30.6



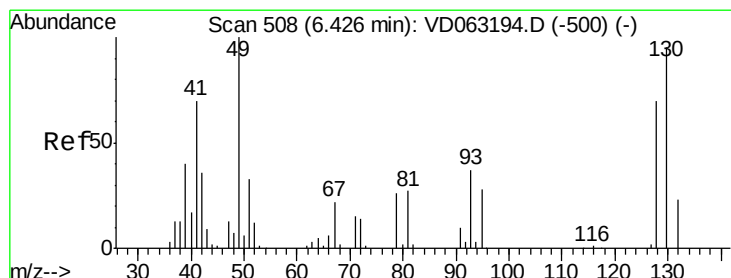
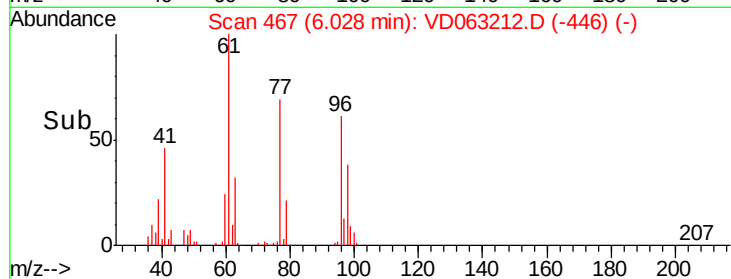
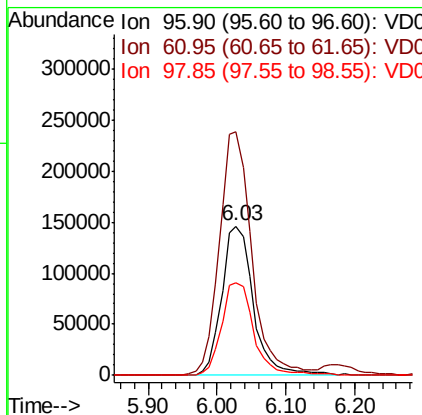
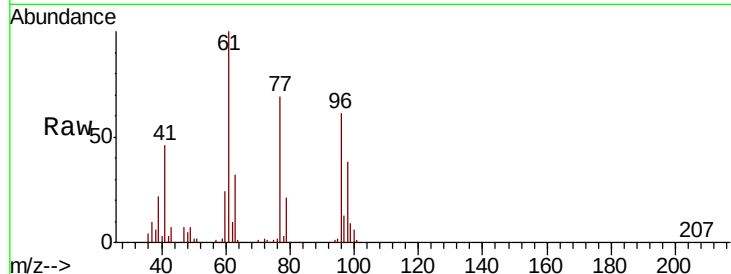


#27

cis-1,2-Dichloroethene
 Concen: 50.144 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

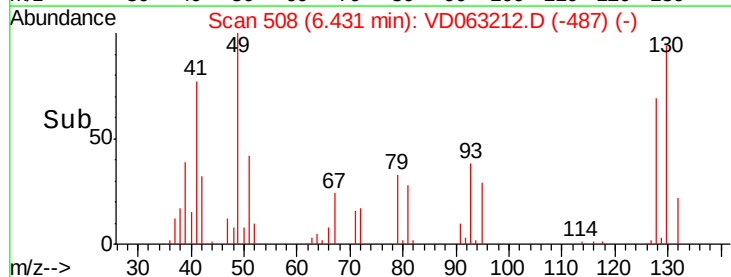
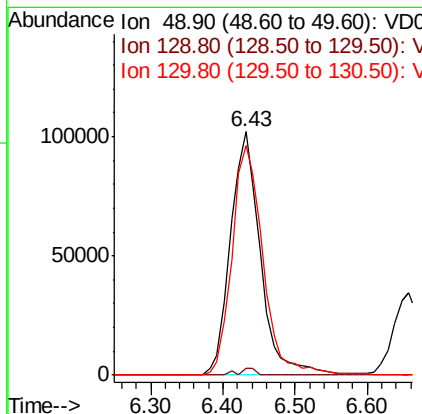
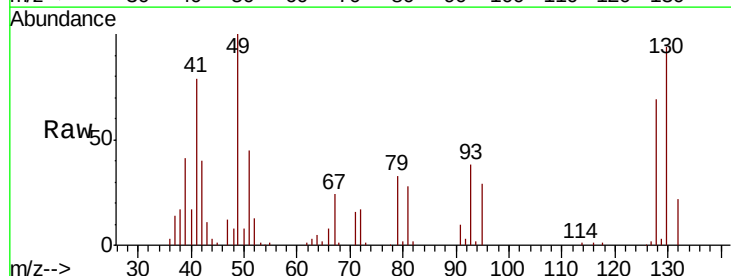
Tot Ion	96	Resp	463533
Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	337.2
98	62.5	0.0	130.6

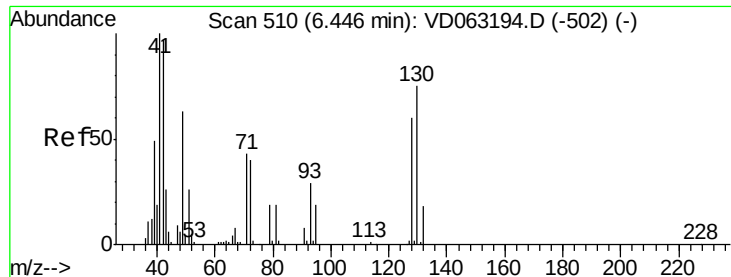


#28

Bromochloromethane
 Concen: 47.366 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion	49	Resp	294813
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	0.0#
130	94.3	75.7	113.5





#29

Tetrahydrofuran

Concen: 239.480 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

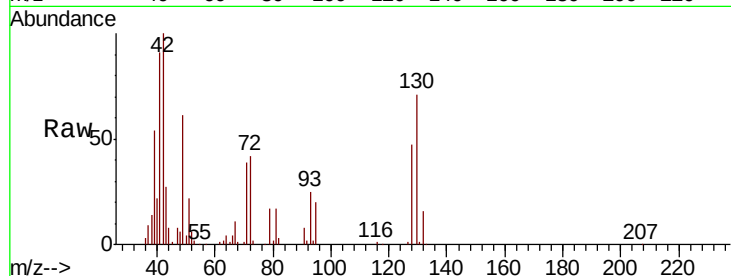
Tot Ion: 42 Resp: 243713

Ion Ratio Lower Upper

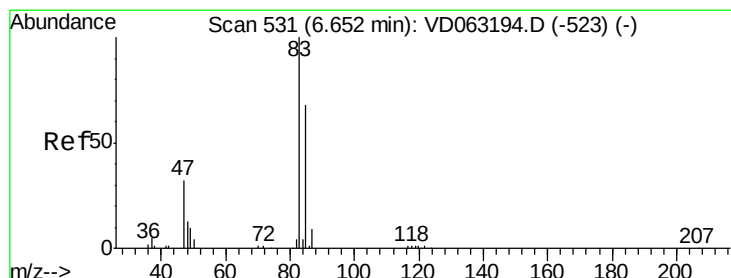
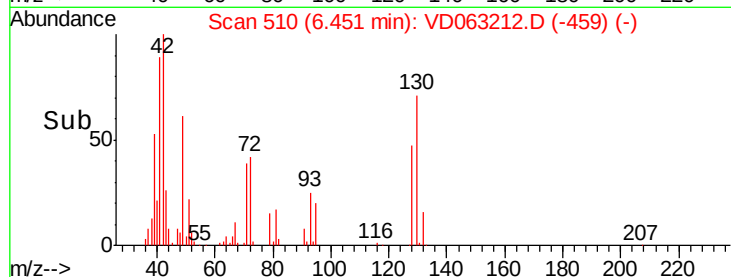
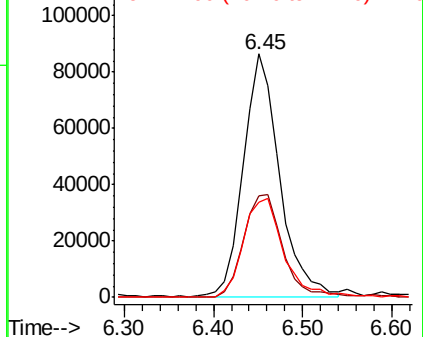
42 100

72 45.4 33.4 50.2

71 45.2 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: 50.231 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD063212.D

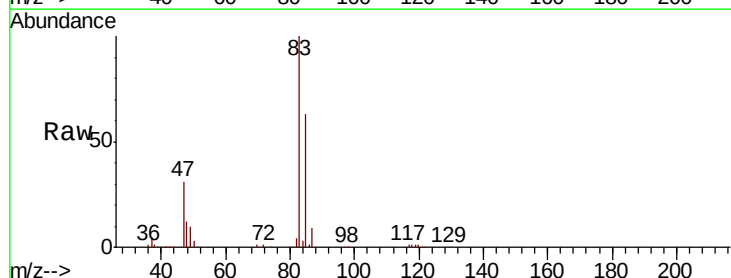
Acq: 29 Jul 2019 22:08

Tgt Ion: 83 Resp: 973818

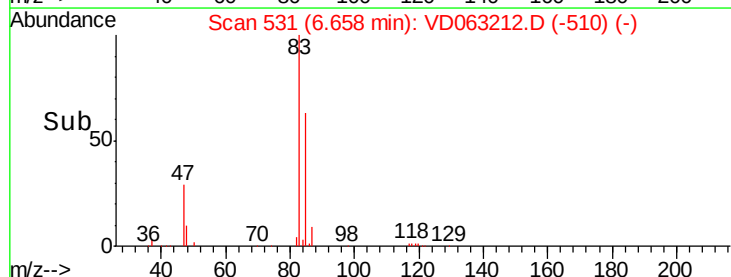
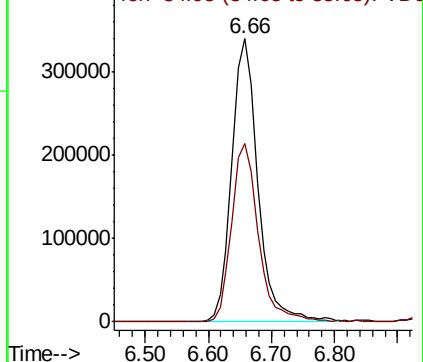
Ion Ratio Lower Upper

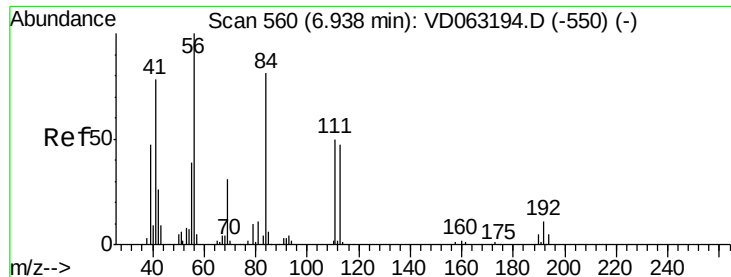
83 100

85 63.1 54.2 81.4



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

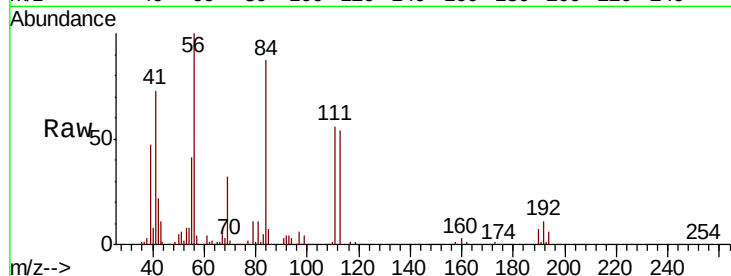




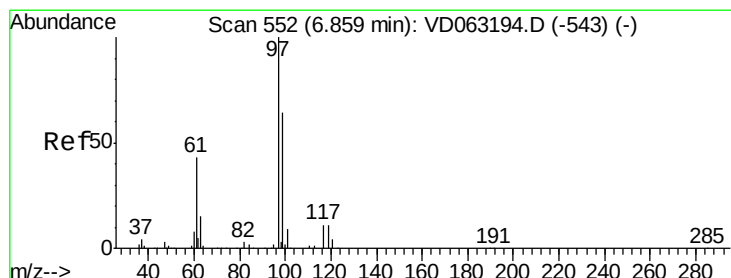
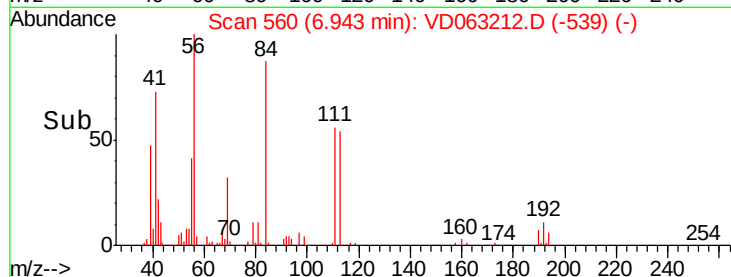
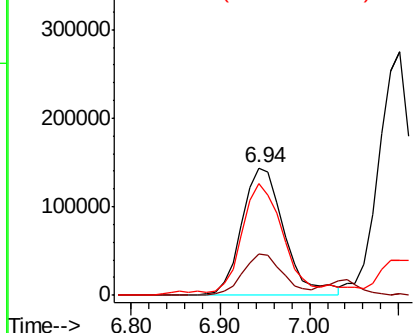
#31
Cyclohexane
Concen: 48.672 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 476586
Ion Ratio Lower Upper
56 100
69 32.3 24.5 36.7
84 87.0 64.9 97.3

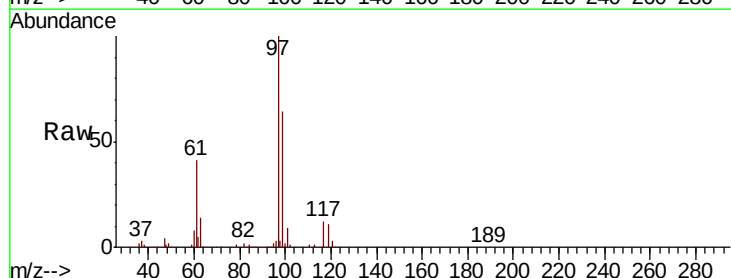


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

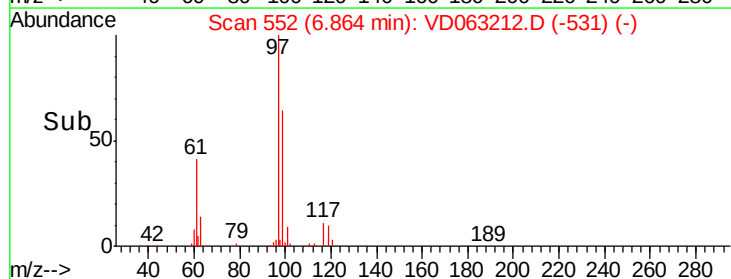
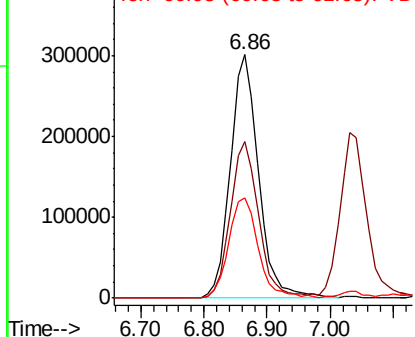


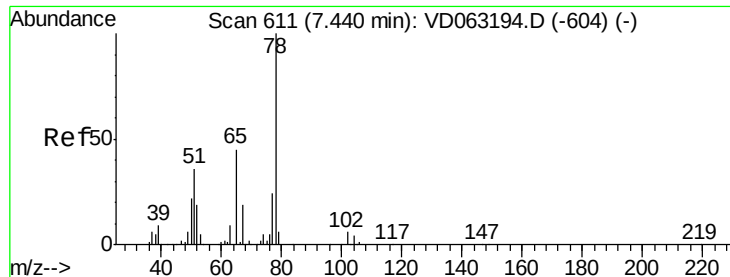
#32
1,1,1-Trichloroethane
Concen: 49.403 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 97 Resp: 926416
Ion Ratio Lower Upper
97 100
99 64.1 51.2 76.8
61 41.0 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

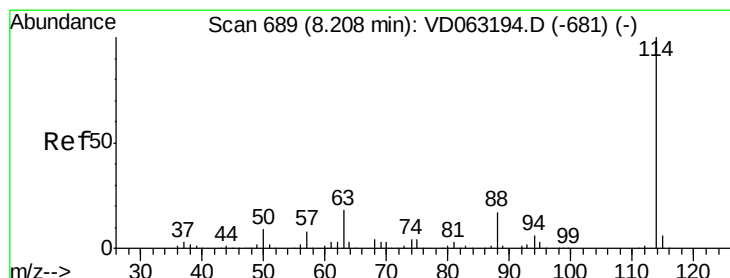
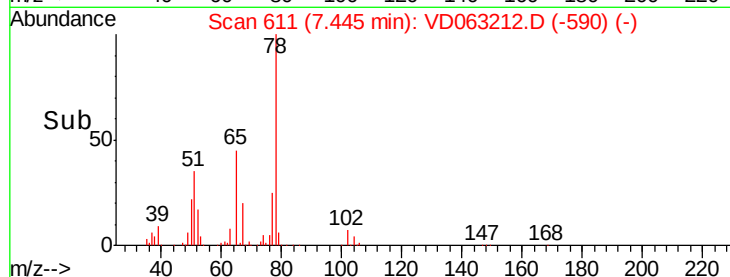
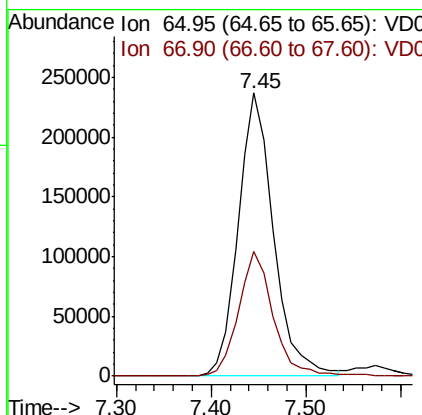
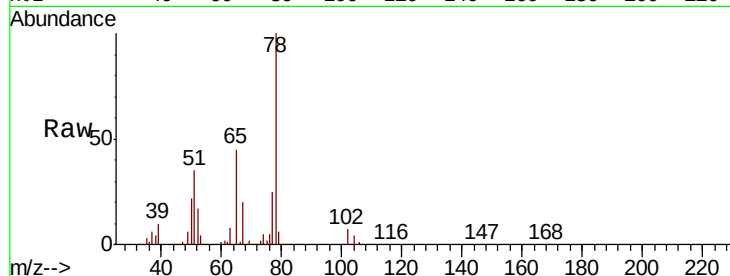




#33
 1,2-Dichloroethane-d4
 Concen: 55.737 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

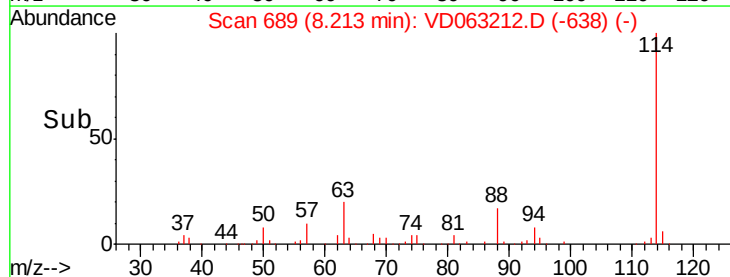
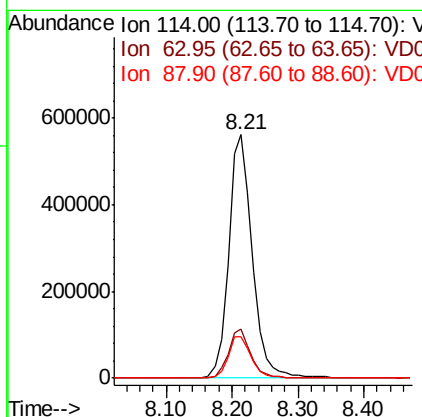
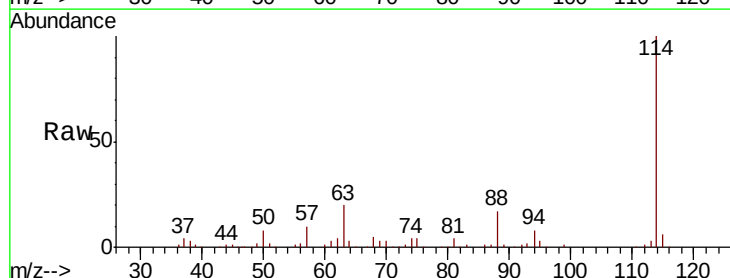
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

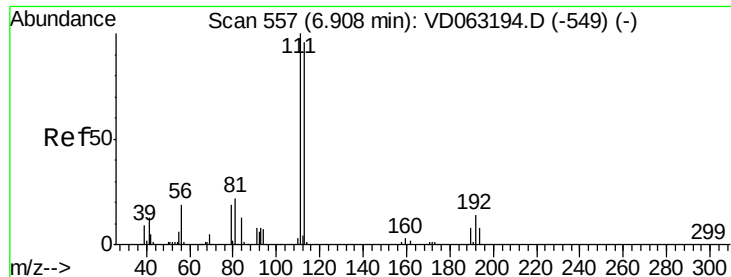
Tot Ion: 65 Resp: 612707
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion: 114 Resp: 1400208
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 35.2
 88 17.0 0.0 34.6

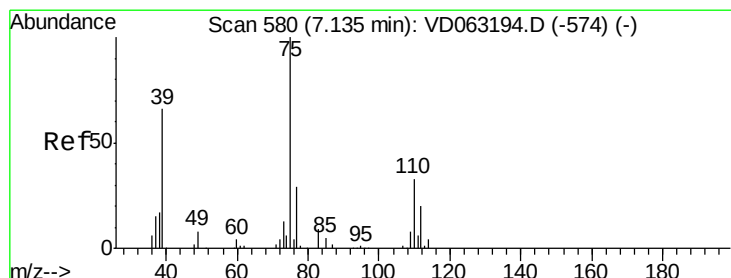
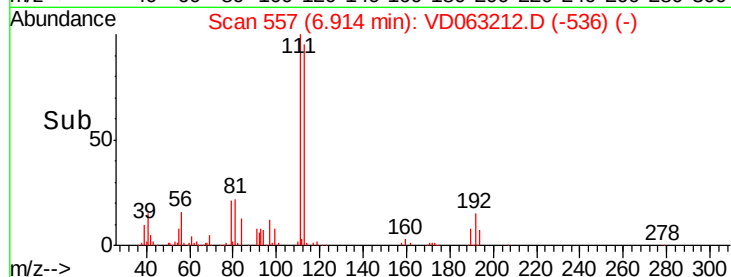
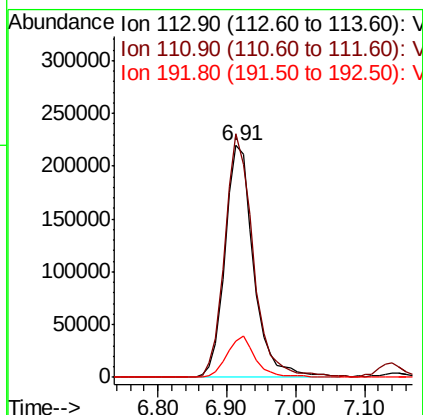
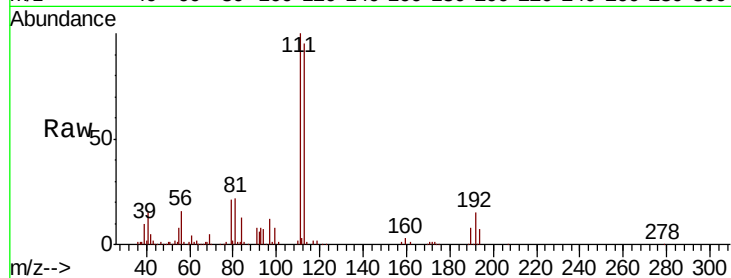




#35
 Dibromofluoromethane
 Concen: 53.161 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

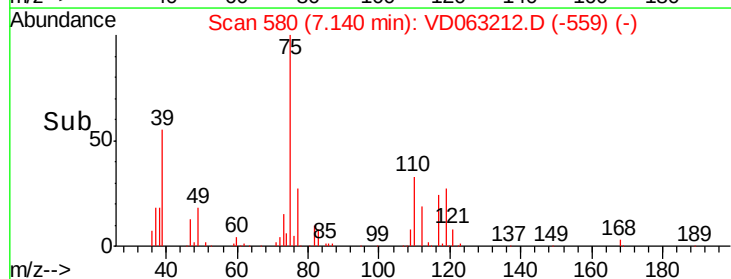
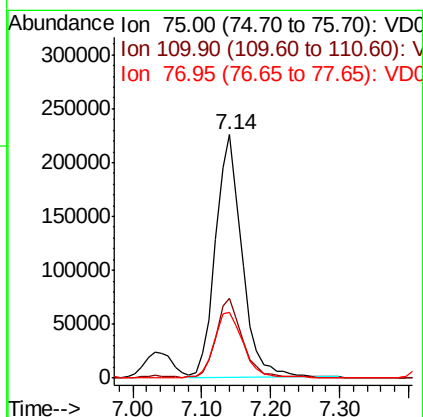
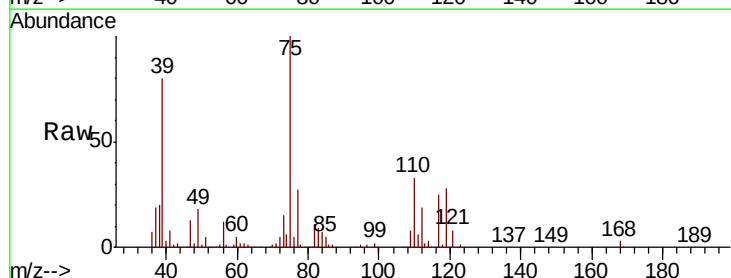
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

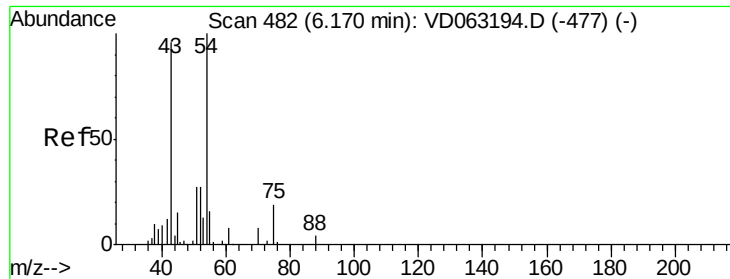
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.2	124.8
192	15.5	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 47.000 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.1	48.2
77	27.2	22.7	34.1

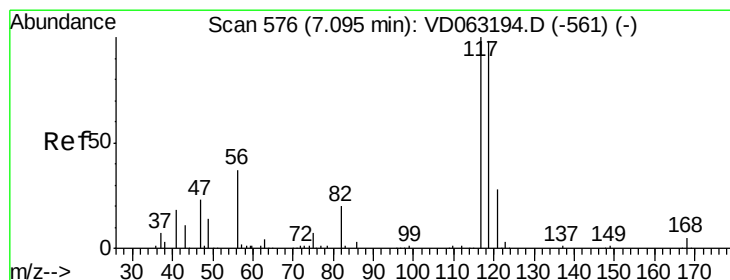
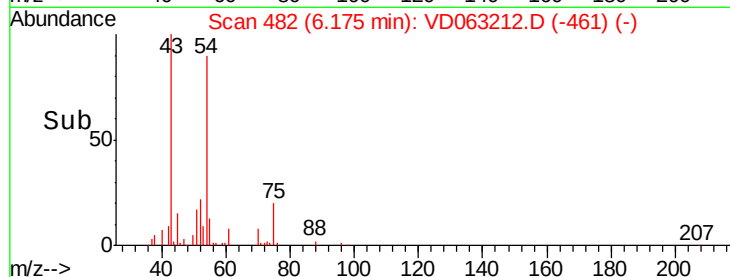
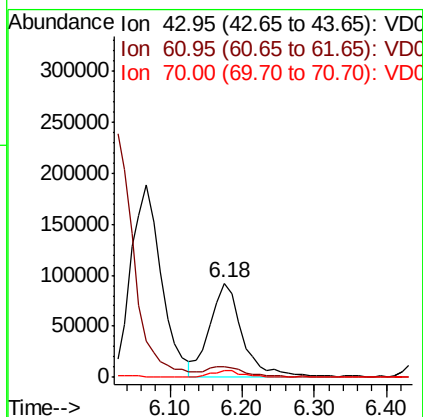
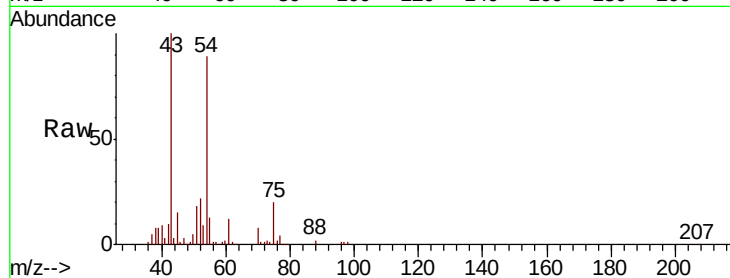




#37
Ethyl Acetate
Concen: 48.858 ug/l
RT: 6.18 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

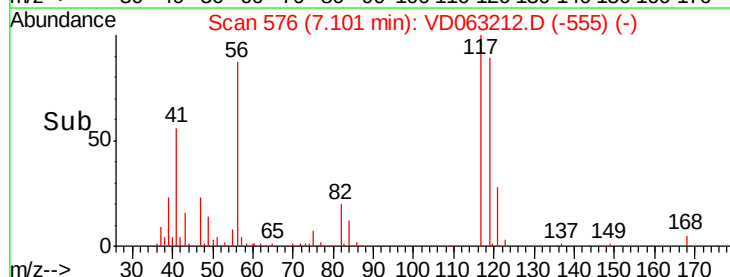
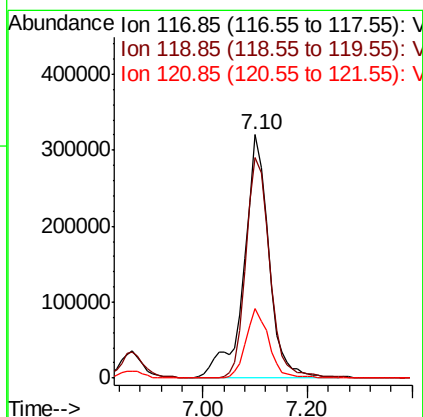
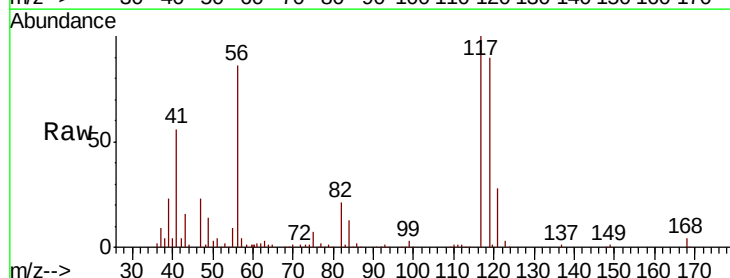
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

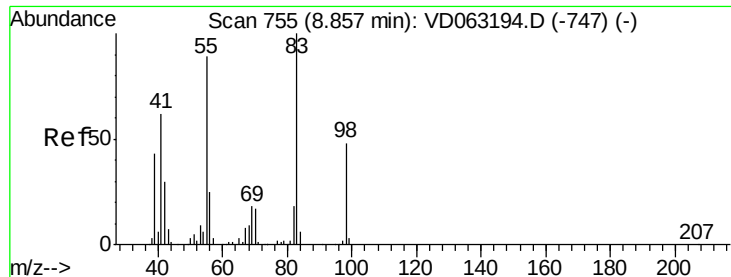
Tot Ion: 43 Resp: 280494
Ion Ratio Lower Upper
43 100
61 12.0 11.3 16.9
70 7.7 5.1 7.7



#38
Carbon Tetrachloride
Concen: 53.249 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 117 Resp: 1024396
Ion Ratio Lower Upper
117 100
119 90.4 78.2 117.2
121 28.5 22.1 33.1

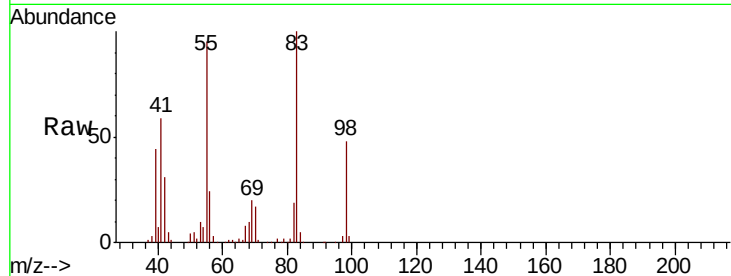




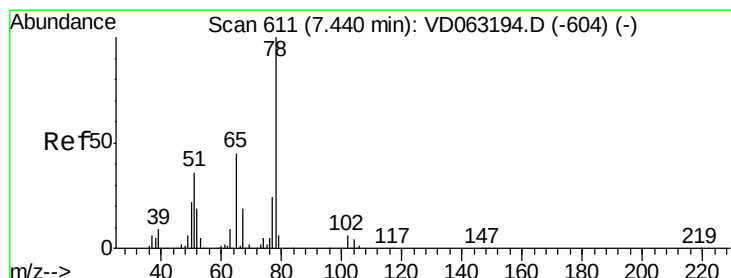
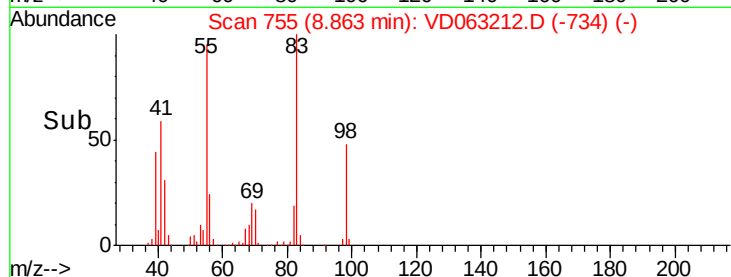
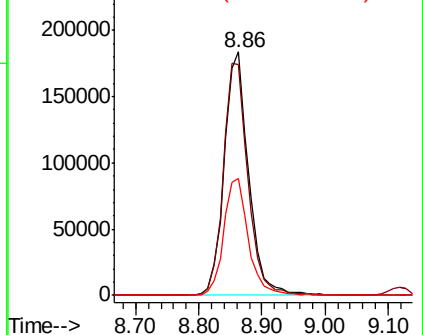
#39
Methylvlcyclohexane
Concen: 46.036 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 490136
Ion Ratio Lower Upper
83 100
55 95.0 71.1 106.7
98 48.0 38.5 57.7

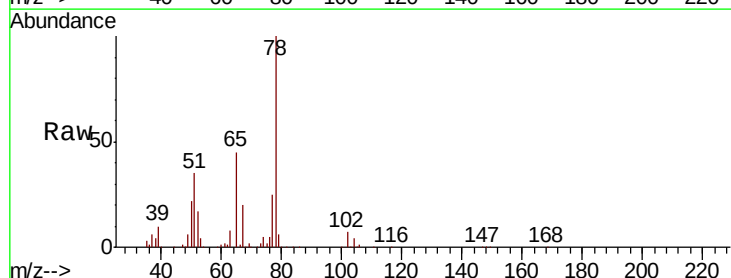


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

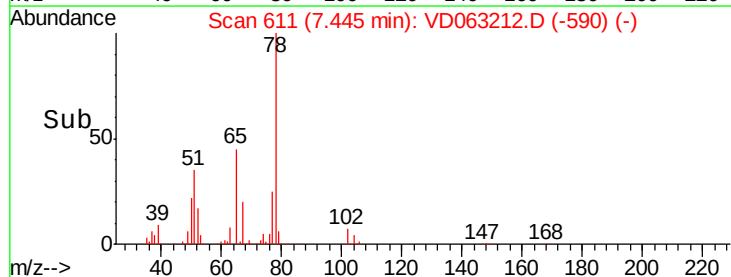
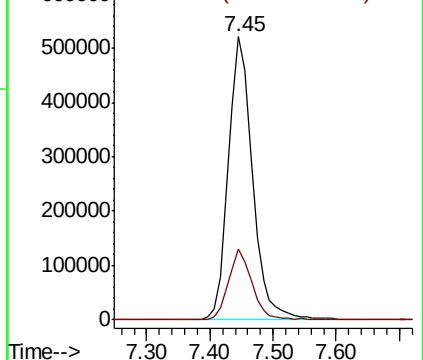


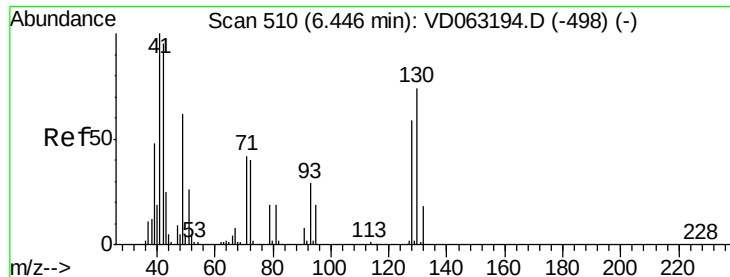
#40
Benzene
Concen: 51.582 ug/l
RT: 7.45 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 78 Resp: 1381448
Ion Ratio Lower Upper
78 100
77 24.9 19.4 29.2



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





#41

Methacrylonitrile

Concen: 49.696 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 341280

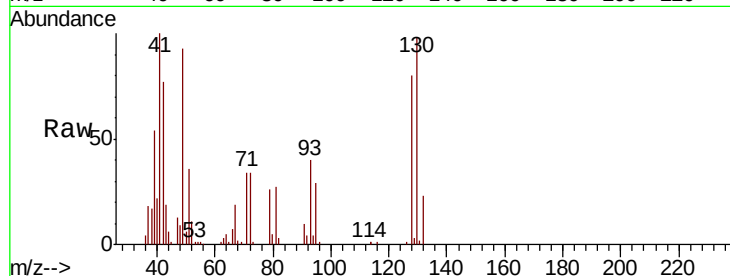
Ion Ratio Lower Upper

41 100

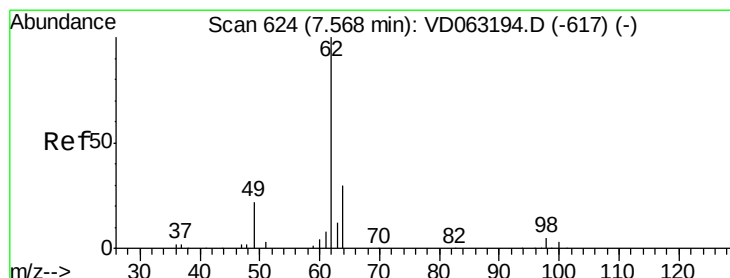
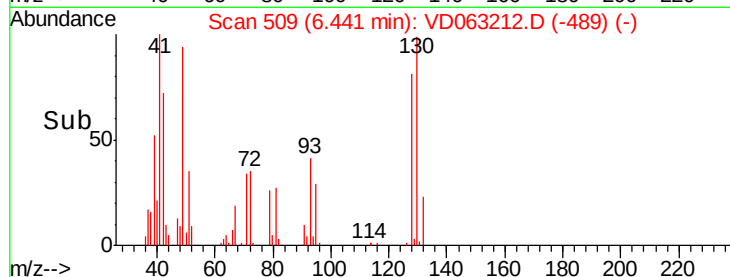
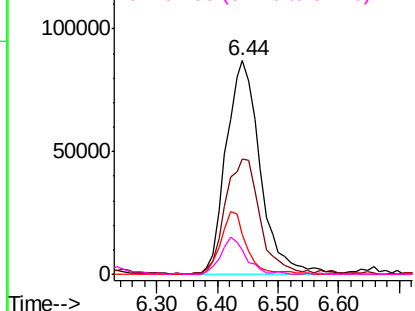
39 53.7 38.4 57.6

67 18.6 6.7 10.1#

52 11.2 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: 52.420 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD063212.D

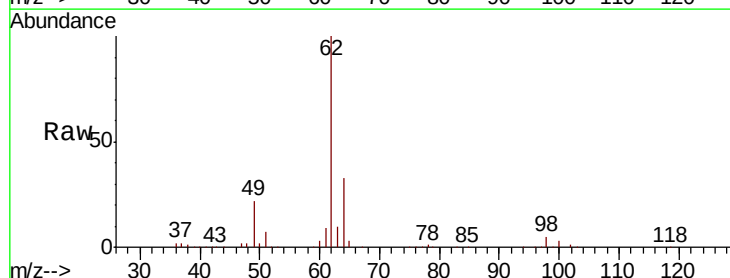
Acq: 29 Jul 2019 22:08

Tgt Ion: 62 Resp: 744042

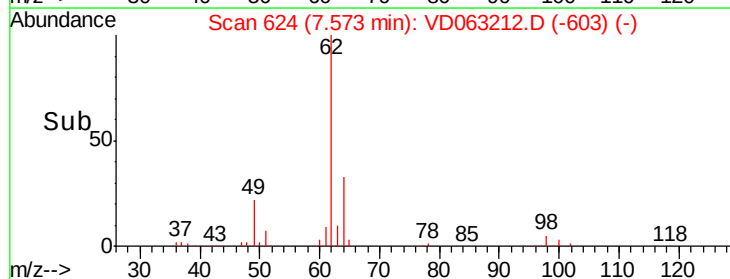
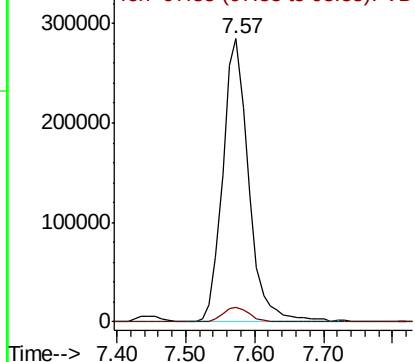
Ion Ratio Lower Upper

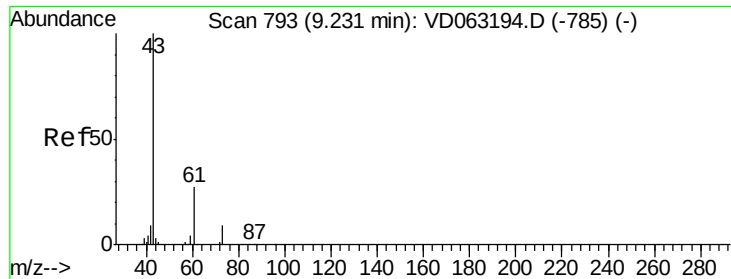
62 100

98 5.3 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

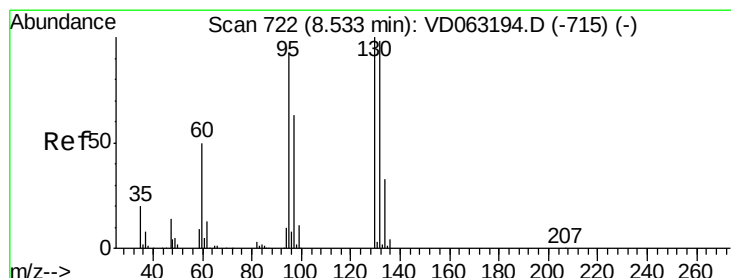
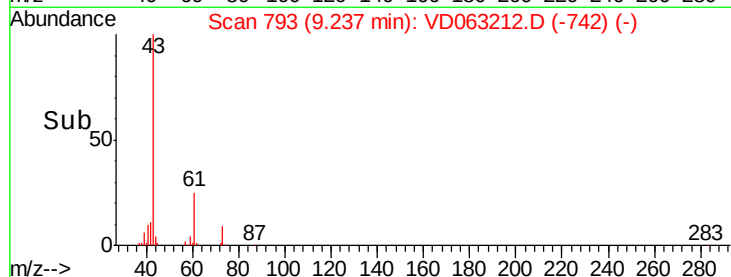
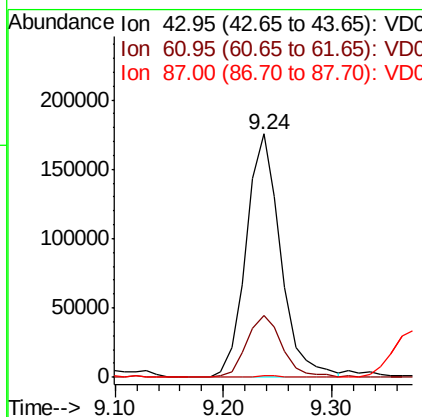
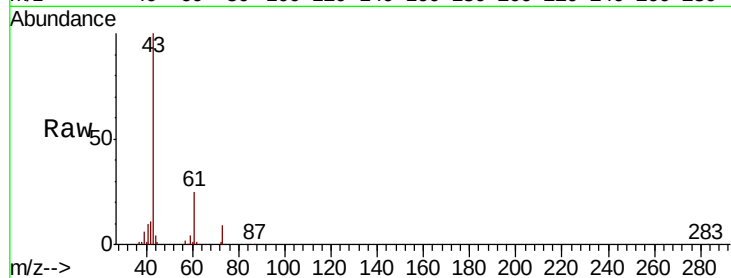




#43
Isopropyl Acetate
Concen: 52.971 ug/l
RT: 9.24 min Scan# 793
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

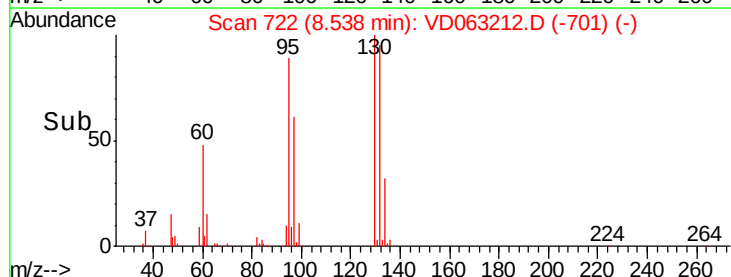
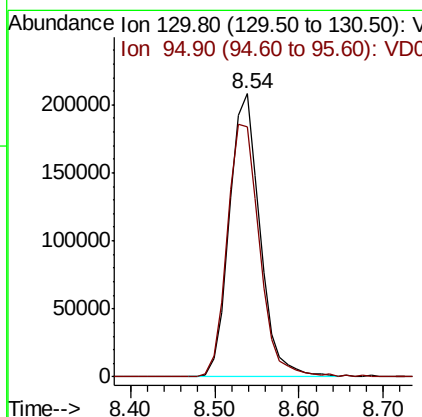
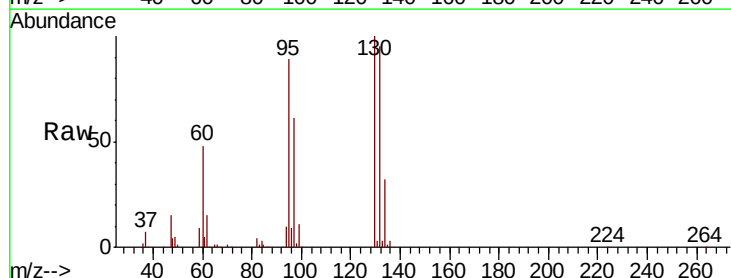
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

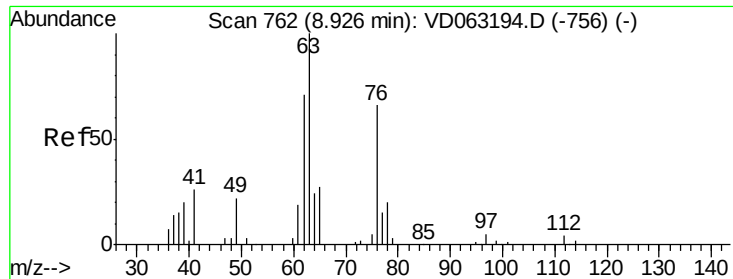
Tot Ion: 43 Resp: 388460
Ion Ratio Lower Upper
43 100
61 25.3 21.4 32.0
87 0.5 0.2 0.4#



#44
Trichloroethene
Concen: 48.434 ug/l
RT: 8.54 min Scan# 722
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion:130 Resp: 525615
Ion Ratio Lower Upper
130 100
95 88.5 0.0 185.4

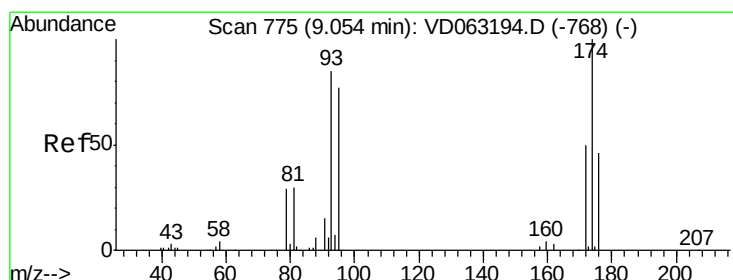
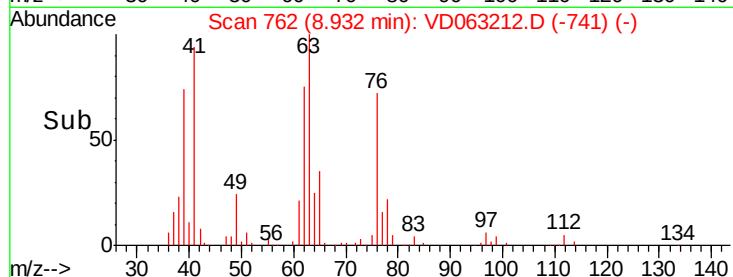
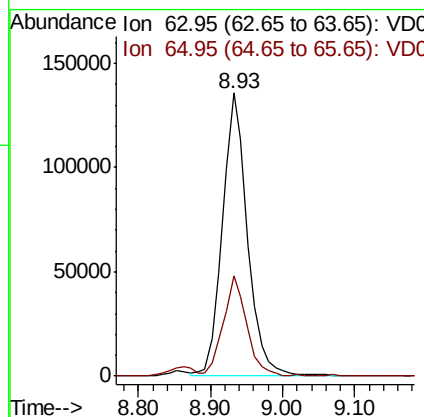
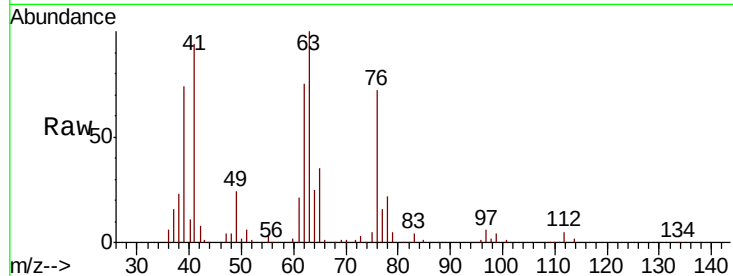




#45
 1,2-Dichloropropane
 Concen: 47.461 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

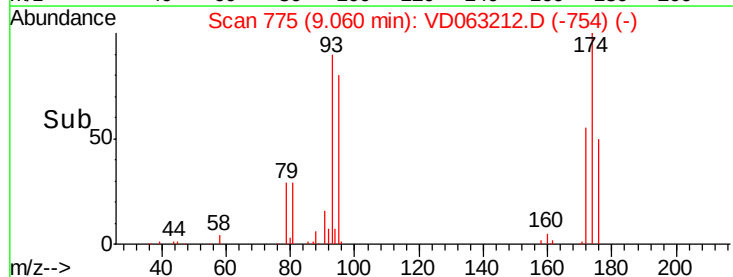
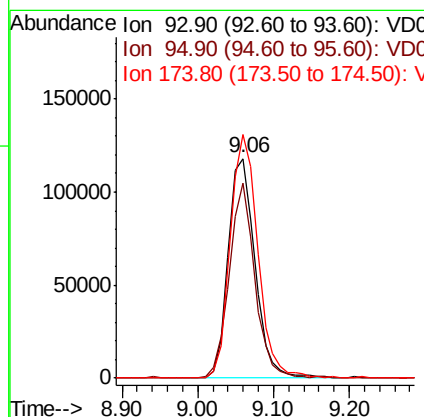
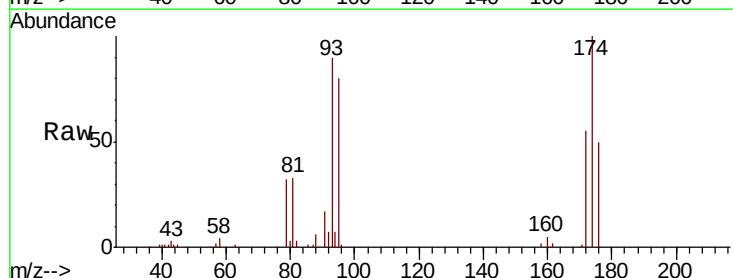
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

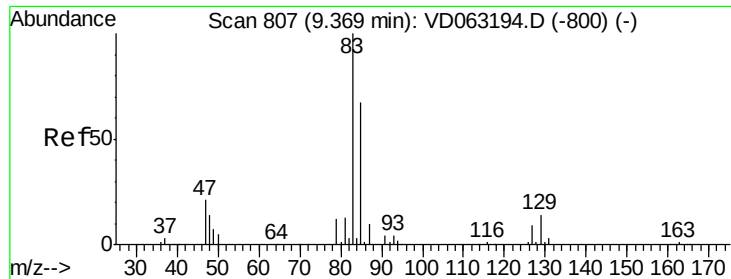
Tot Ion: 63 Resp: 323080
 Ion Ratio Lower Upper
 63 100
 65 35.3 23.6 35.4



#46
 Dibromomethane
 Concen: 51.109 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion: 93 Resp: 289283
 Ion Ratio Lower Upper
 93 100
 95 89.0 72.8 109.2
 174 110.9 94.4 141.6





#47

Bromodichloromethane

Concen: 52.214 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

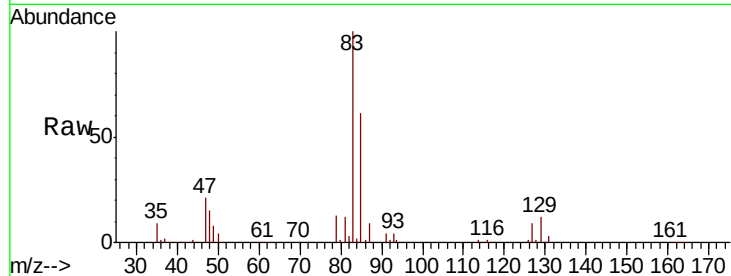
Tot Ion: 83 Resp: 753354

Ion Ratio Lower Upper

83 100

85 61.3 53.6 80.4

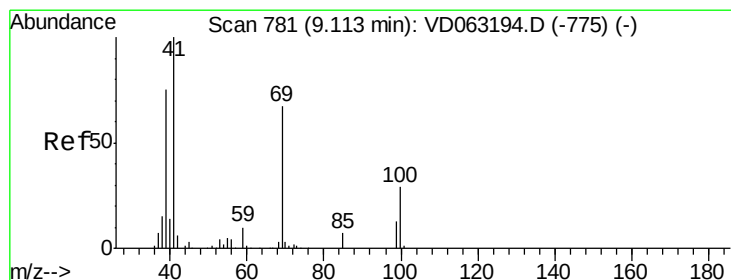
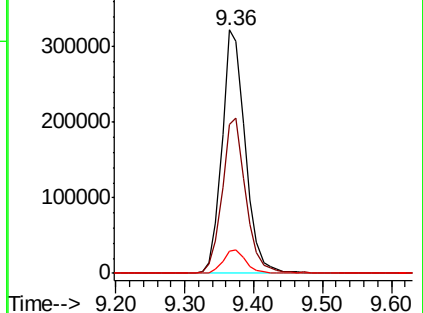
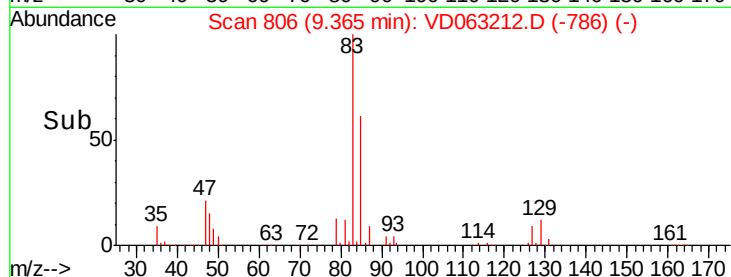
127 8.9 7.2 10.8



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: 52.258 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

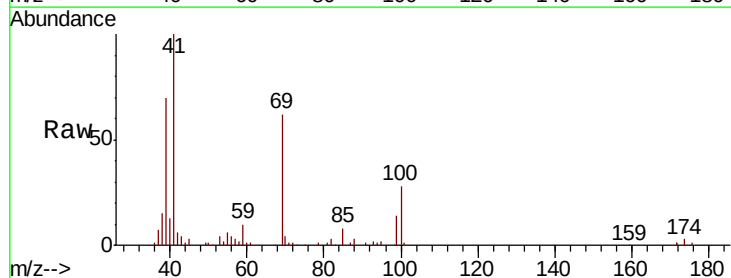
Tgt Ion: 41 Resp: 248550

Ion Ratio Lower Upper

41 100

69 61.7 53.4 80.0

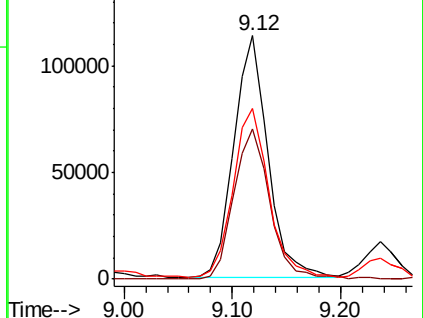
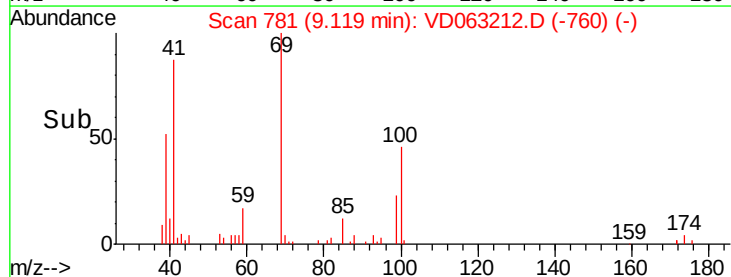
39 70.0 60.3 90.5

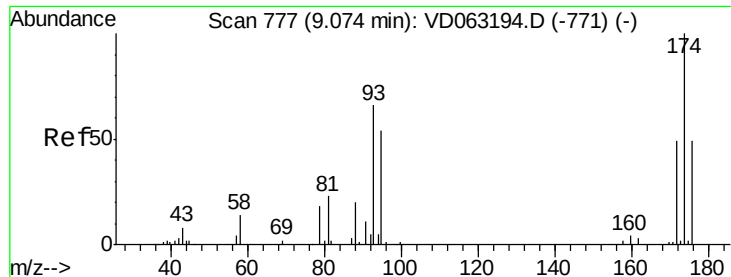


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

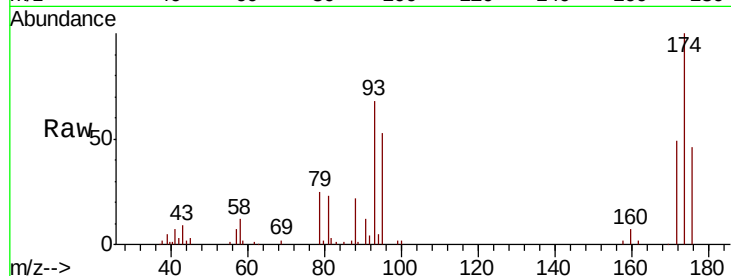




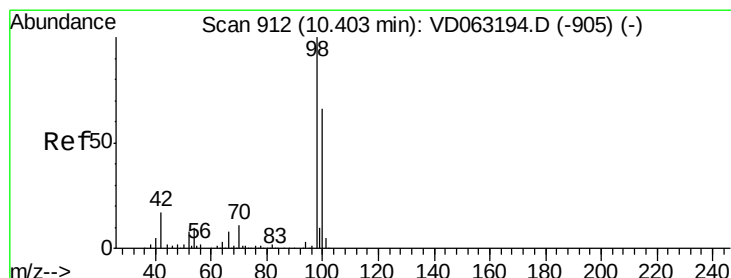
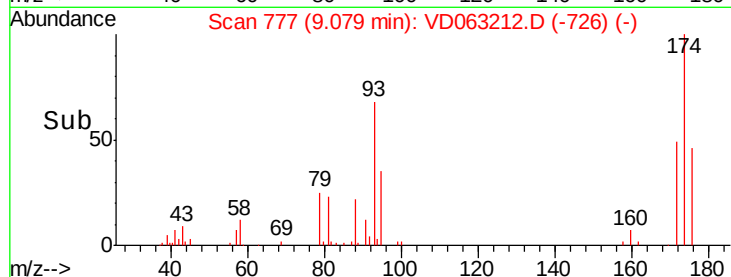
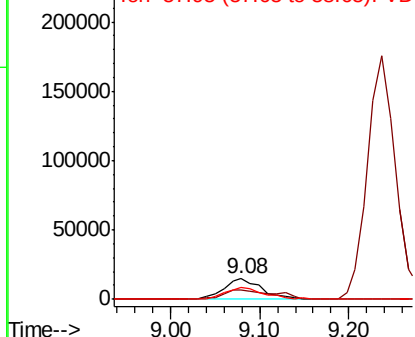
#49
1,4-Dioxane
Concen: 1085.900 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 43737
Ion Ratio Lower Upper
88 100
43 42.9 30.7 46.1
58 56.0 56.5 84.7#

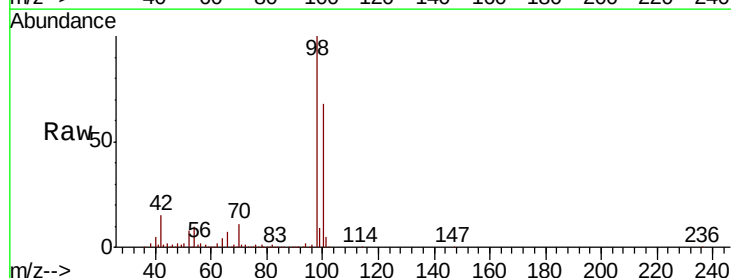


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

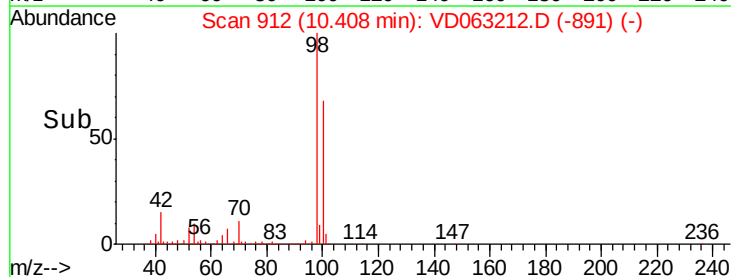
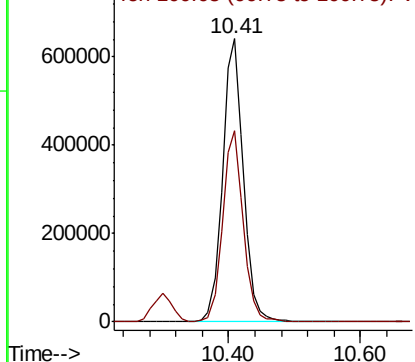


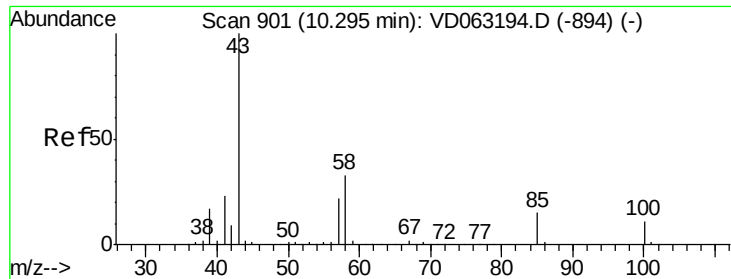
#50
Toluene-d8
Concen: 52.540 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 98 Resp: 1405685
Ion Ratio Lower Upper
98 100
100 67.6 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 262.444 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

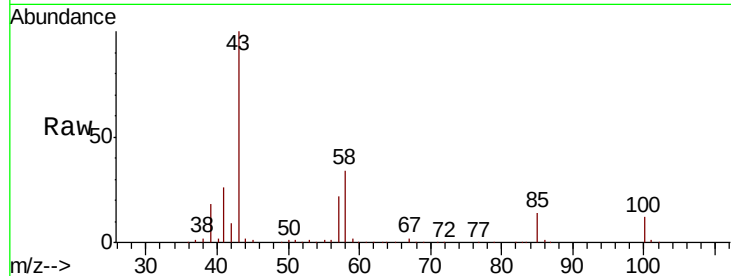
VSTDCCC050

Tot Ion: 43 Resp: 1308903

Ion Ratio Lower Upper

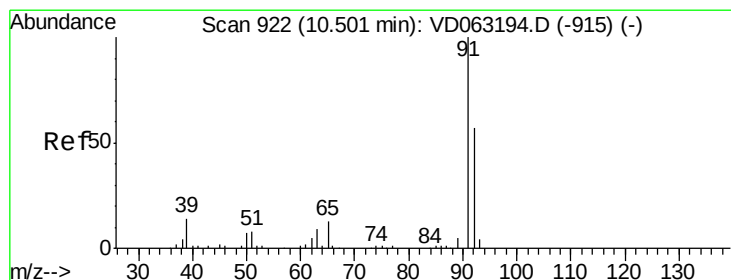
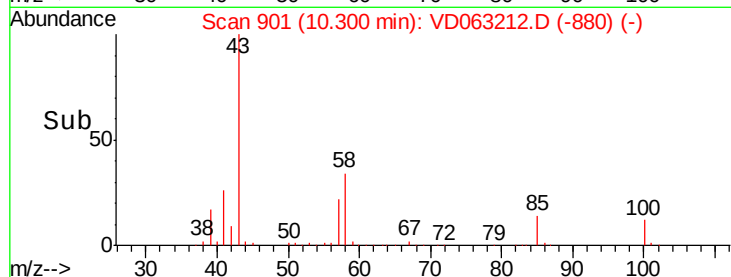
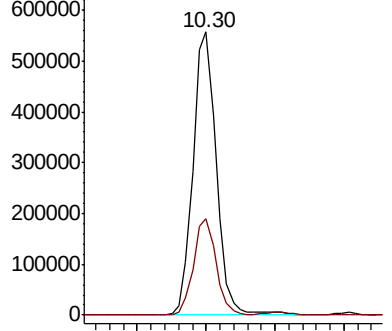
43 100

58 34.2 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: 50.311 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD063212.D

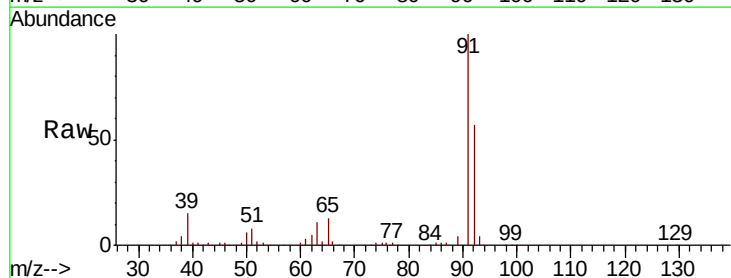
Acq: 29 Jul 2019 22:08

Tgt Ion: 92 Resp: 896165

Ion Ratio Lower Upper

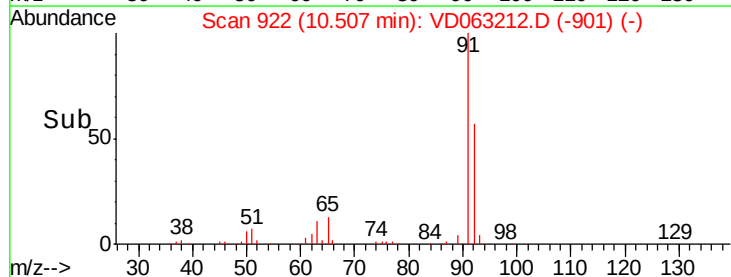
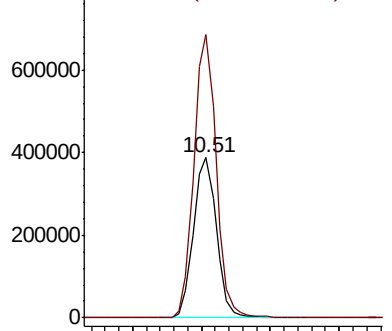
92 100

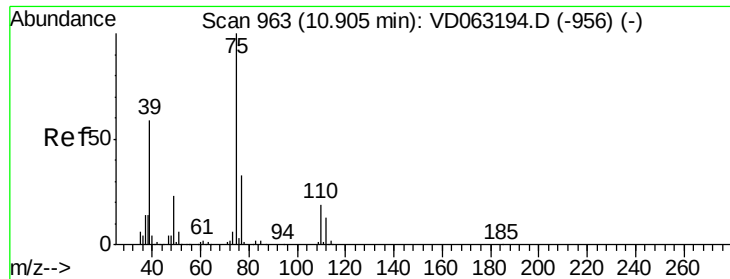
91 176.9 140.8 211.2



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: 51.127 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

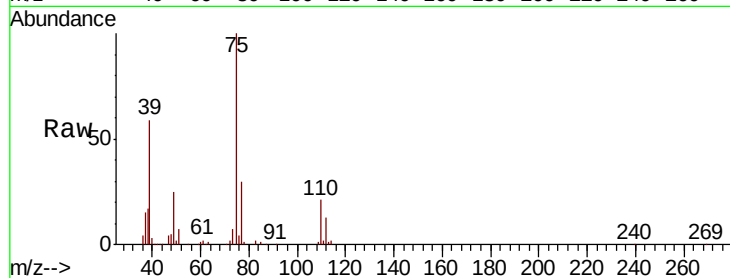
VSTDCCC050

Tot Ion: 75 Resp: 635967

Ion Ratio Lower Upper

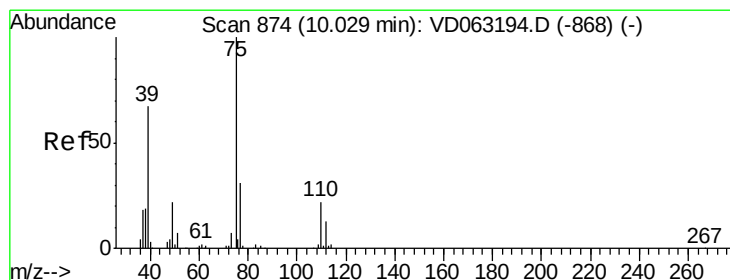
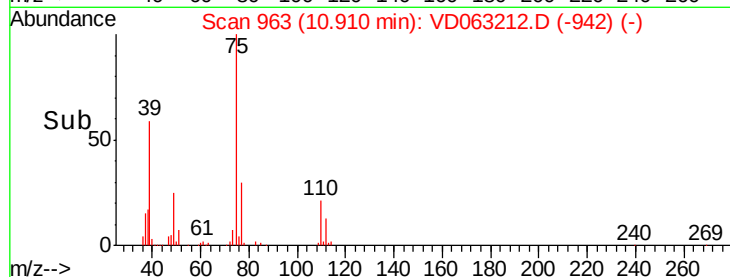
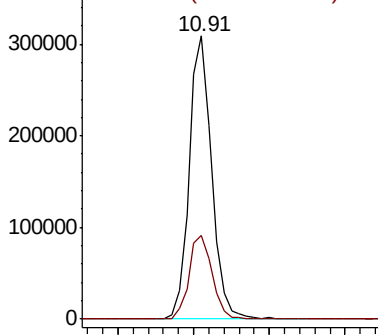
75 100

77 29.6 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 48.778 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

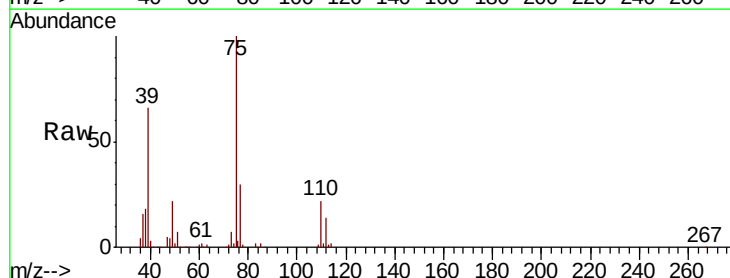
Tgt Ion: 75 Resp: 637679

Ion Ratio Lower Upper

75 100

77 30.3 24.9 37.3

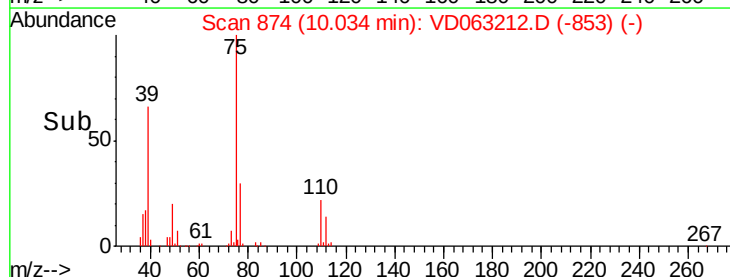
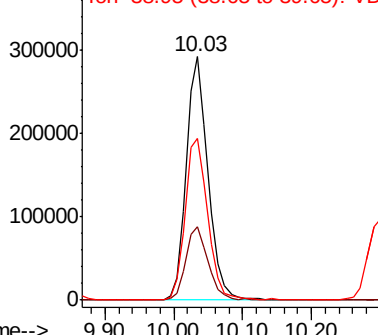
39 66.3 53.9 80.9

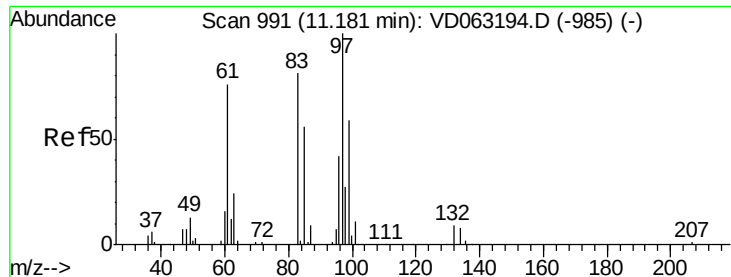


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

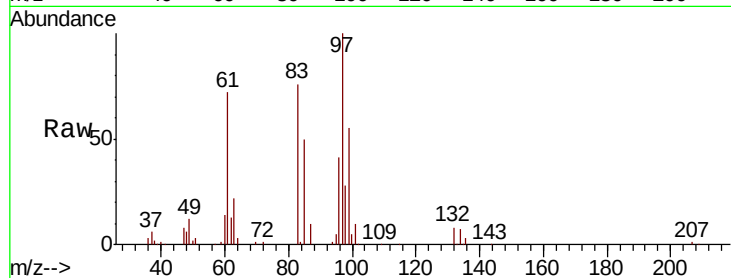




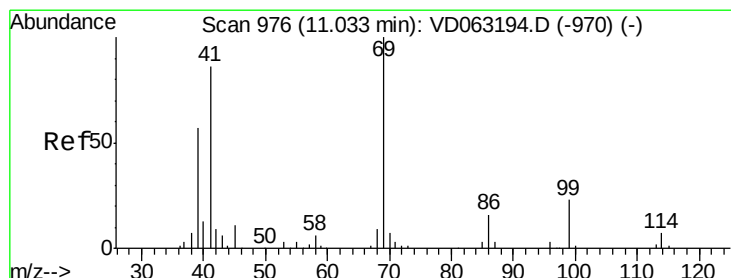
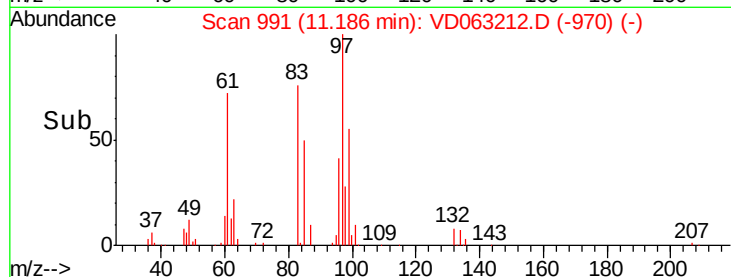
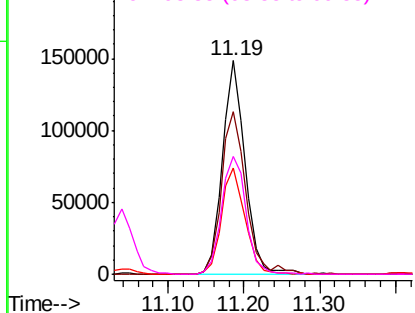
#55
1,1,2-Trichloroethane
Concen: 51.067 ug/l
RT: 11.19 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	307215
Ion	Ratio	Lower	Upper
97	100		
83	76.2	64.8	97.2
85	49.6	44.9	67.3
99	55.4	47.2	70.8

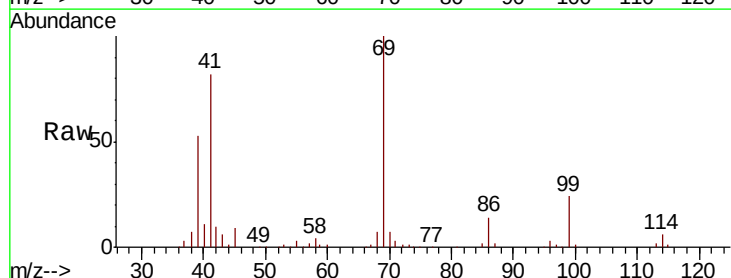


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

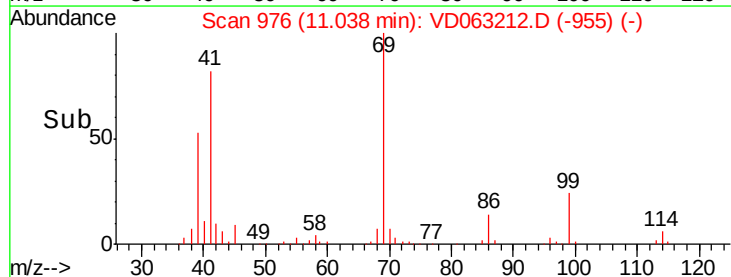
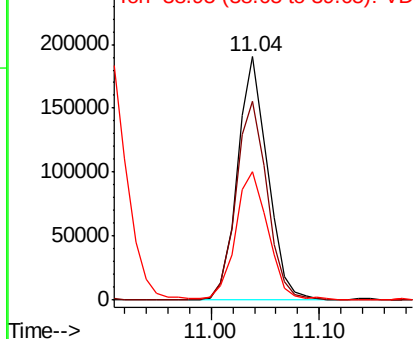


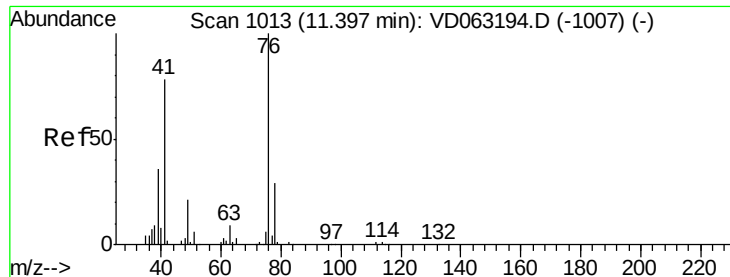
#56
Ethyl methacrylate
Concen: 56.041 ug/l
RT: 11.04 min Scan# 976
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion:	69	Resp:	369177
Ion	Ratio	Lower	Upper
69	100		
41	81.9	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

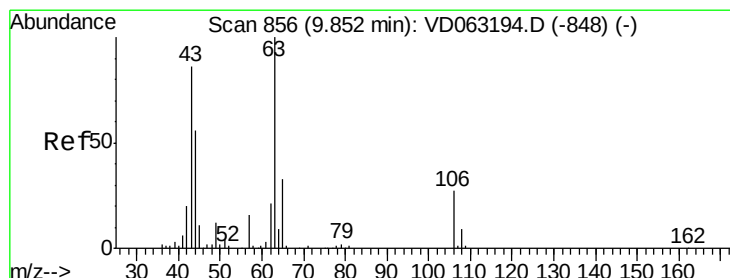
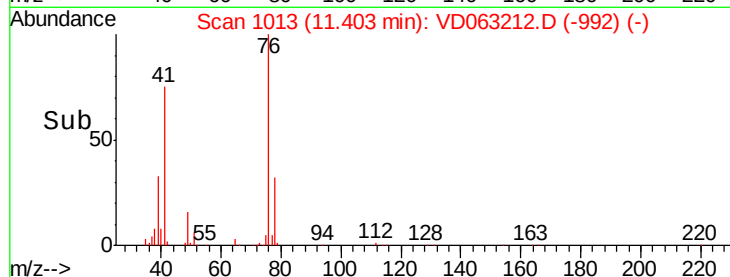
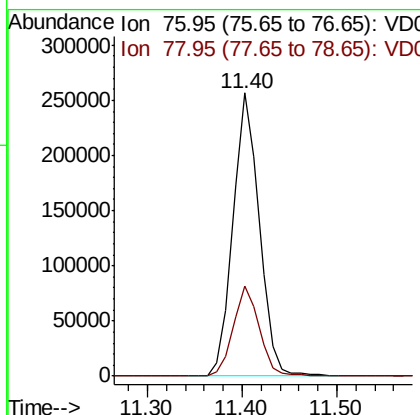
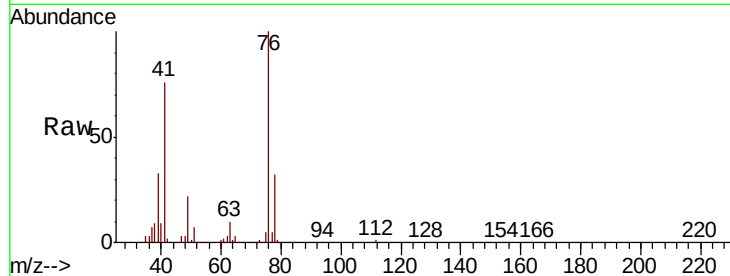




#57
 1,3-Dichloropropane
 Concen: 52.134 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

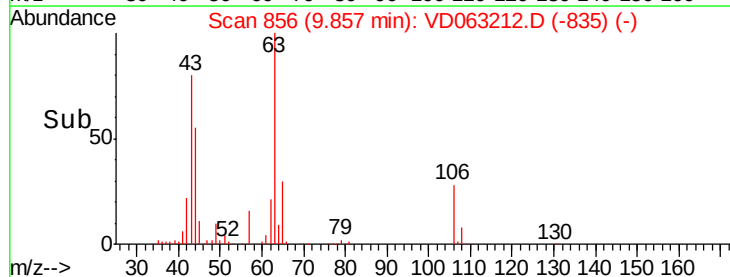
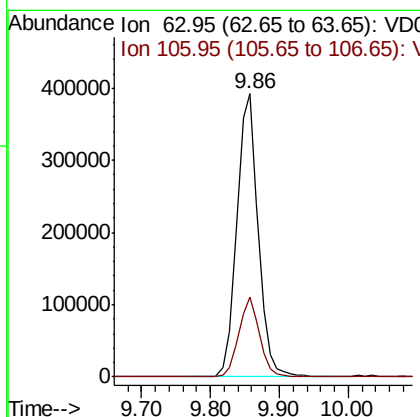
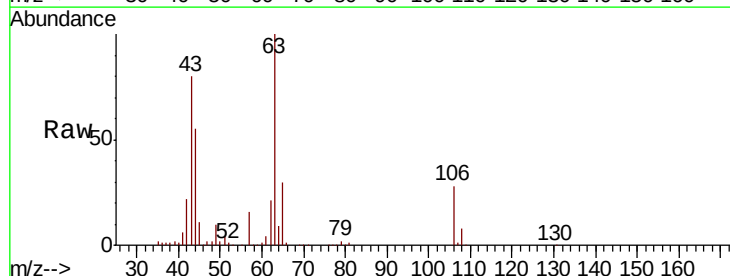
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

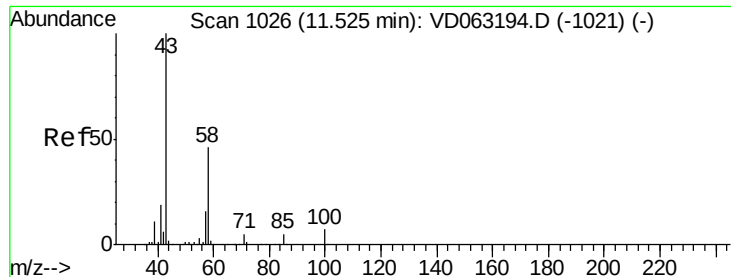
Tot Ion: 76 Resp: 494160
 Ion Ratio Lower Upper
 76 100
 78 31.7 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.190 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion: 63 Resp: 840459
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.0 33.0

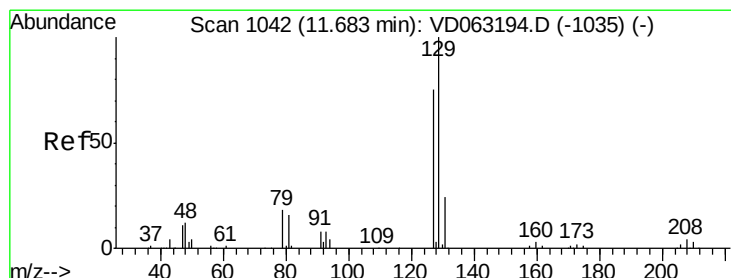
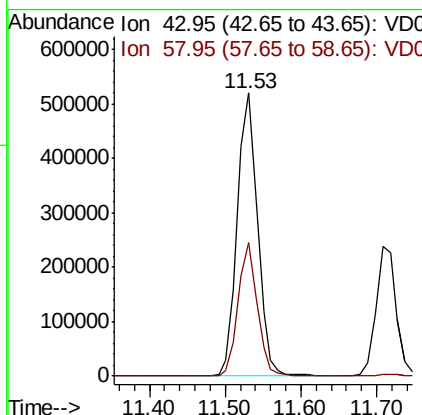
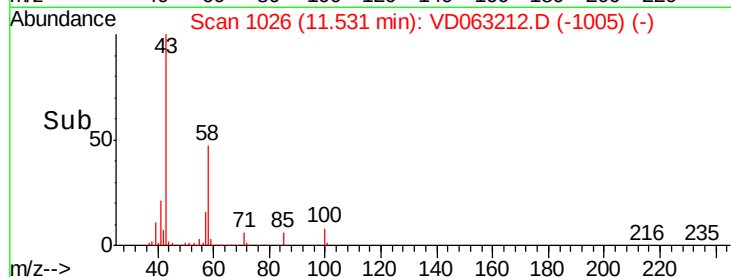
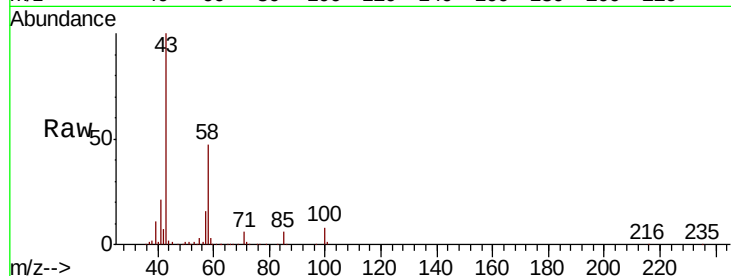




#59
2-Hexanone
Concen: 267.132 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

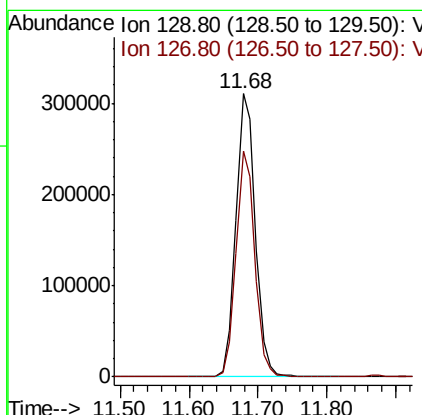
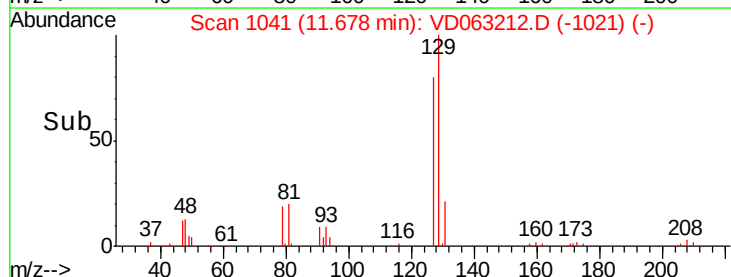
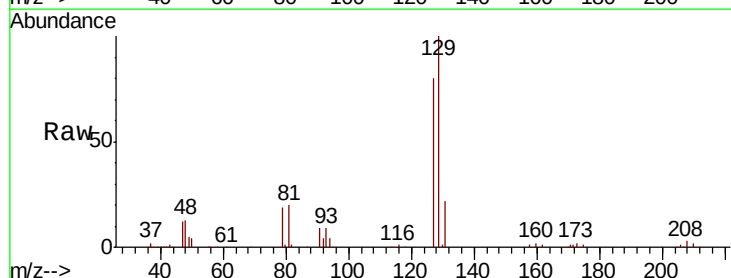
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

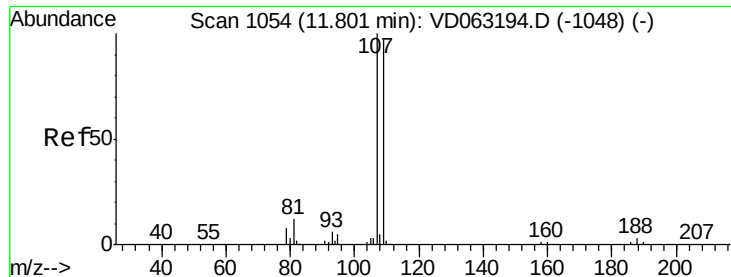
Tot Ion: 43 Resp: 960099
Ion Ratio Lower Upper
43 100
58 47.3 22.9 68.5



#60
Dibromochloromethane
Concen: 53.337 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 129 Resp: 605750
Ion Ratio Lower Upper
129 100
127 79.6 37.6 112.8





#61

1,2-Dibromoethane

Concen: 49.371 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

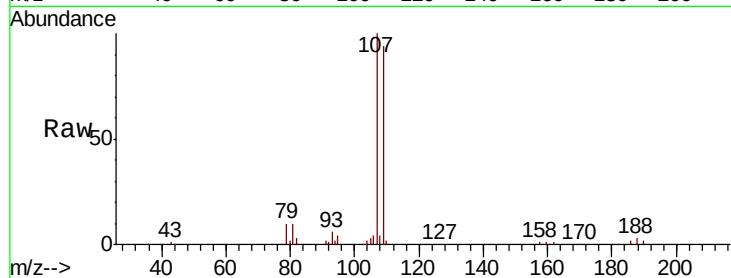
VSTDCCC050

Tot Ion:107 Resp: 366495

Ion Ratio Lower Upper

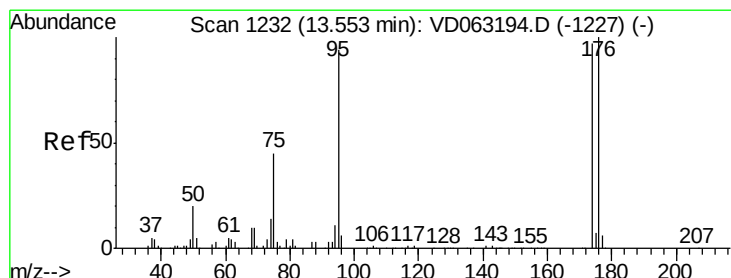
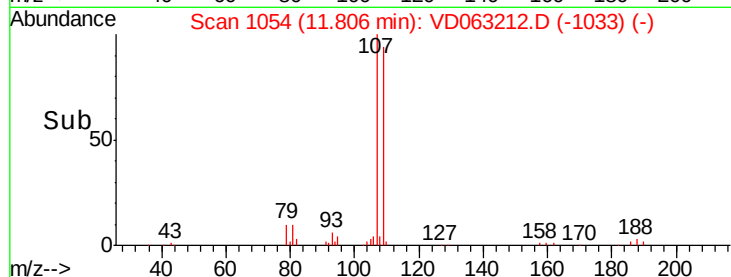
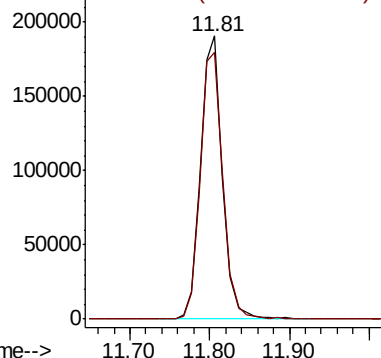
107 100

109 94.2 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.622 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

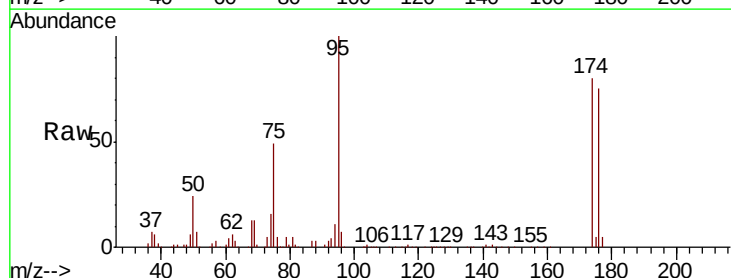
Tgt Ion: 95 Resp: 604988

Ion Ratio Lower Upper

95 100

174 79.7 0.0 205.4

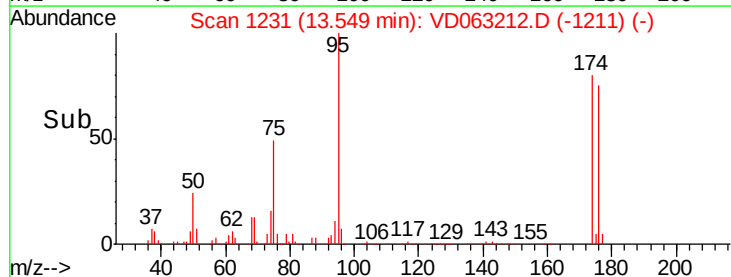
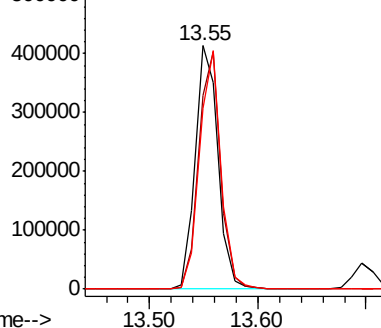
176 74.5 0.0 211.8

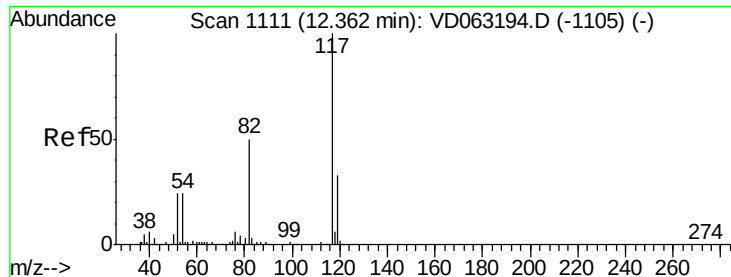


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

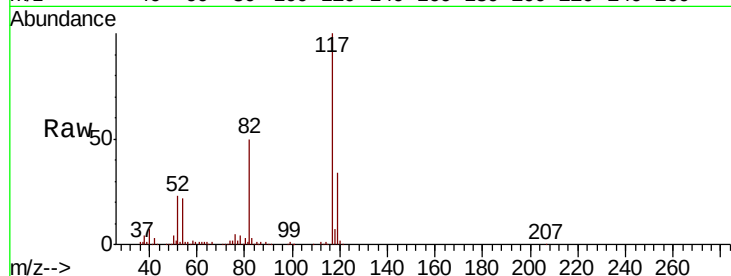




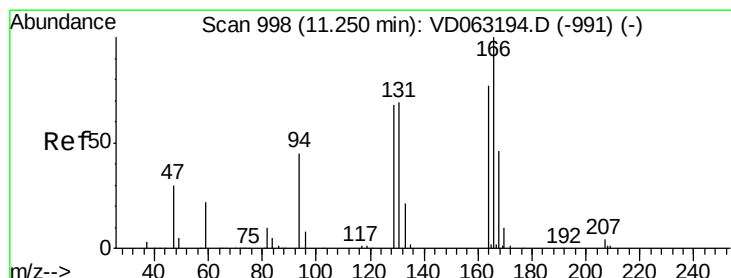
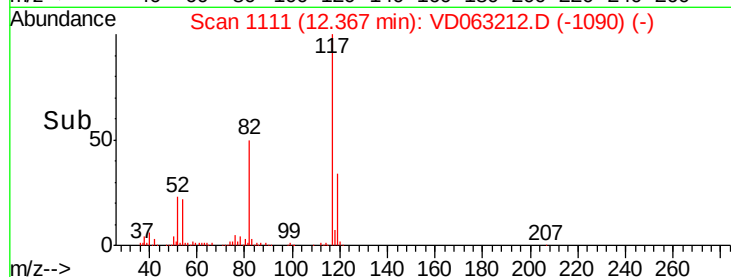
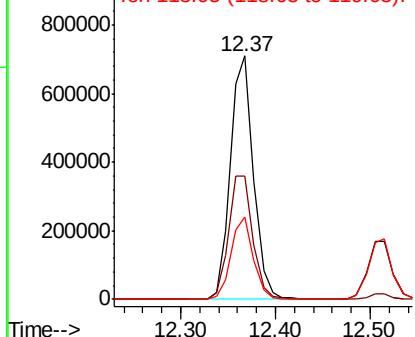
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1194476
Ion Ratio Lower Upper
117 100
82 50.5 40.1 60.1
119 33.7 26.5 39.7

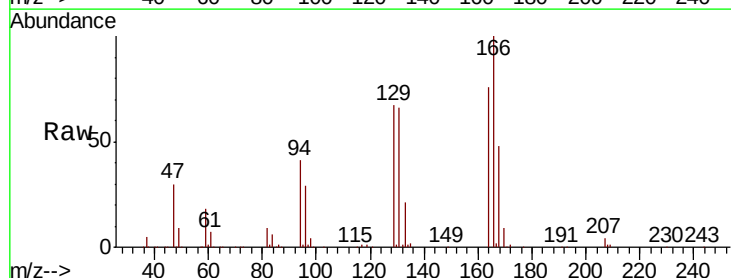


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

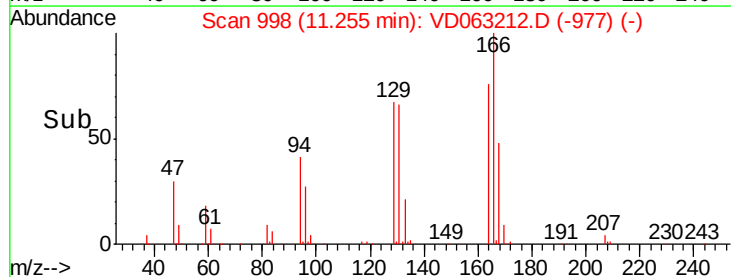
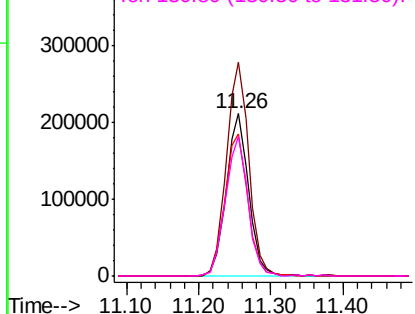


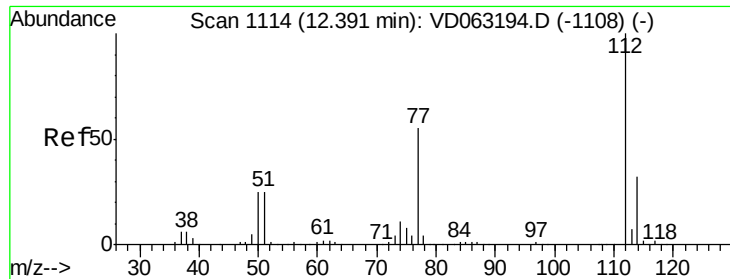
#64
Tetrachloroethene
Concen: 47.600 ug/l
RT: 11.26 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion:164 Resp: 452956
Ion Ratio Lower Upper
164 100
166 131.7 104.3 156.5
129 87.8 70.9 106.3
131 86.4 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

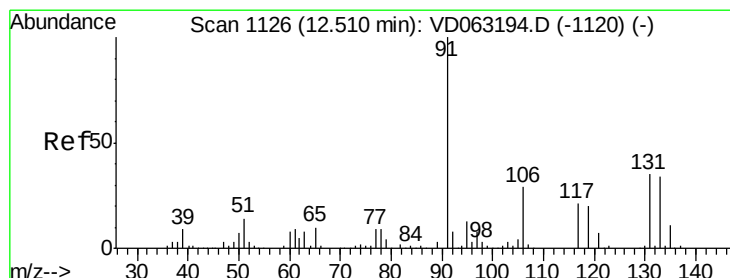
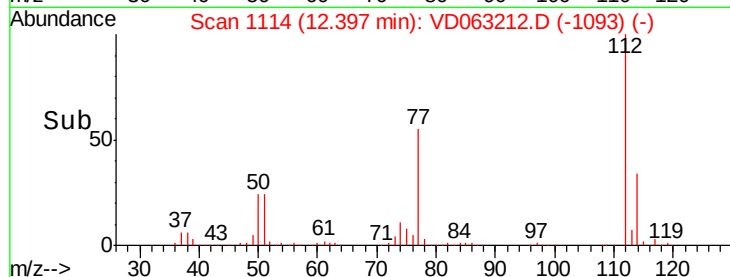
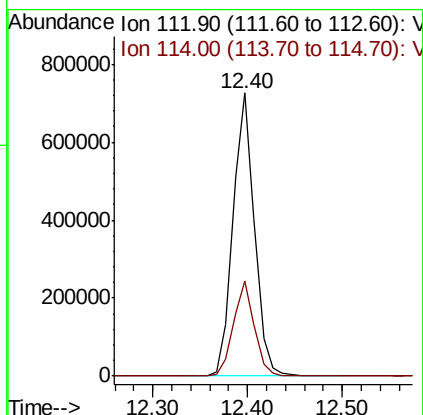
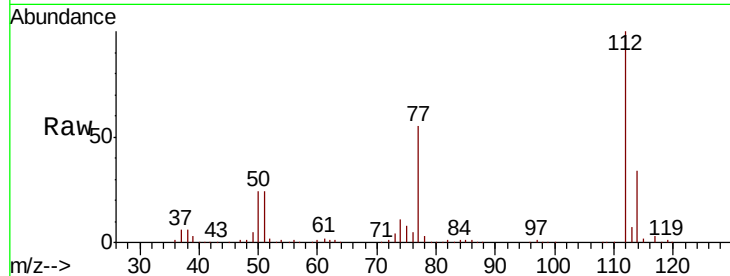




#65
Chlorobenzene
Concen: 49.410 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

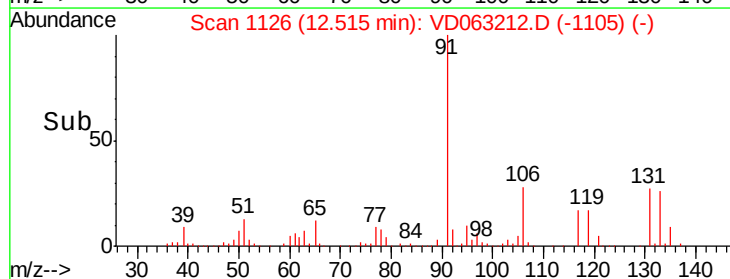
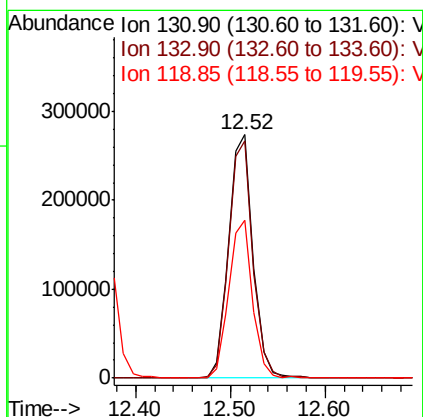
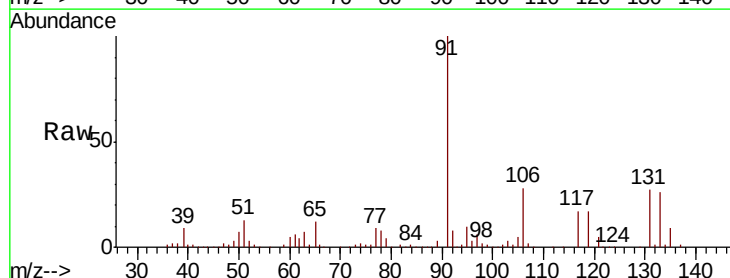
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

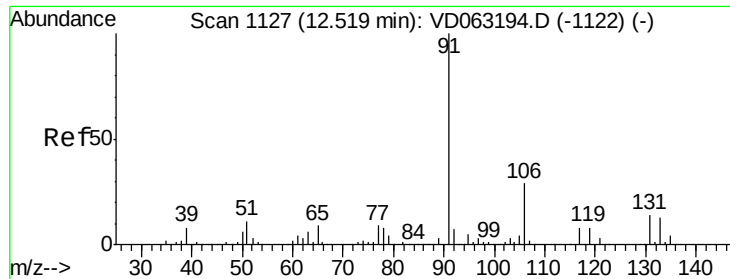
Tot Ion:112 Resp: 1135208
Ion Ratio Lower Upper
112 100
114 33.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.064 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion:131 Resp: 486420
Ion Ratio Lower Upper
131 100
133 97.7 48.4 145.2
119 64.8 29.1 87.3

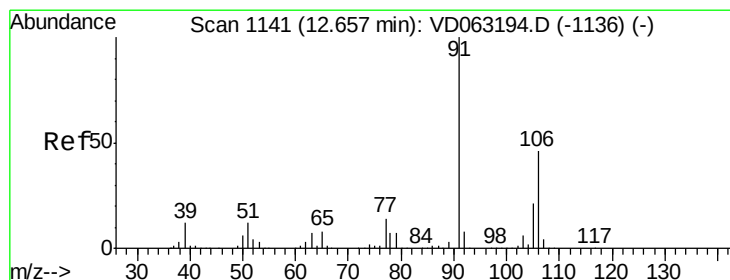
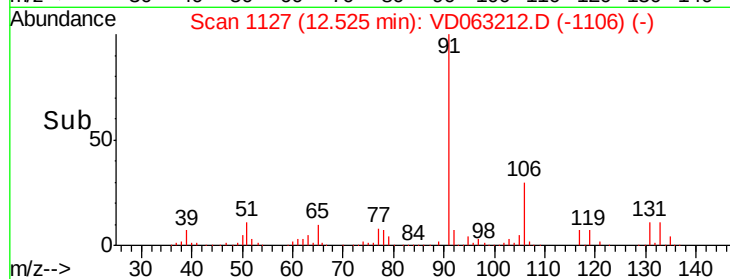
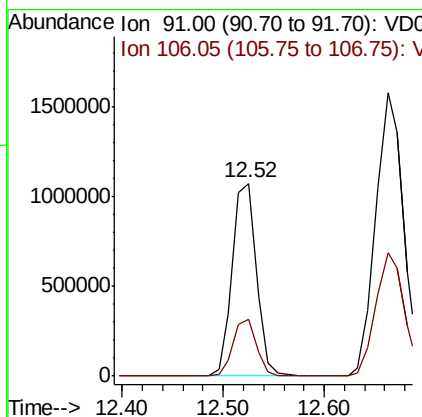
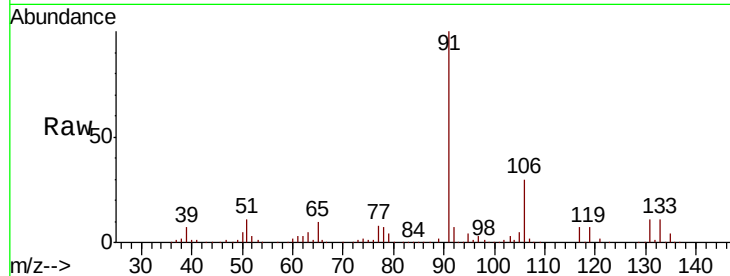




#67
Ethyl Benzene
Concen: 45.881 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

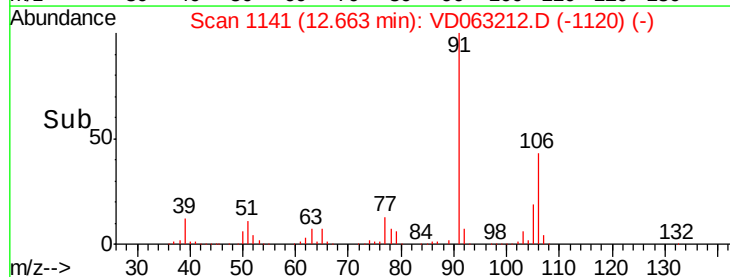
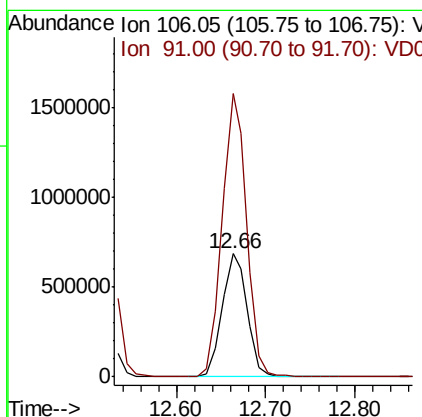
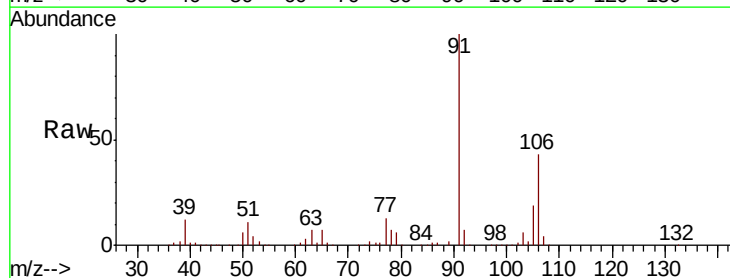
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

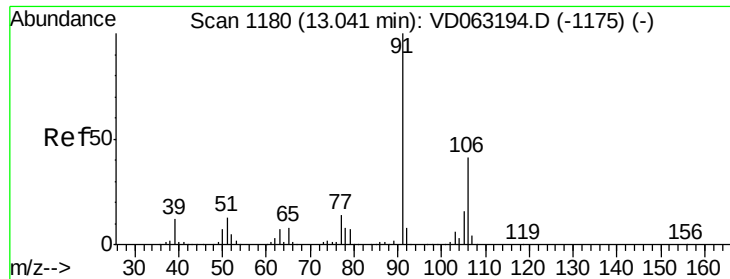
Tot Ion: 91 Resp: 1790699
Ion Ratio Lower Upper
91 100
106 29.6 22.9 34.3



#68
m/p-Xylenes
Concen: 94.232 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion: 106 Resp: 1348780
Ion Ratio Lower Upper
106 100
91 230.2 172.6 259.0

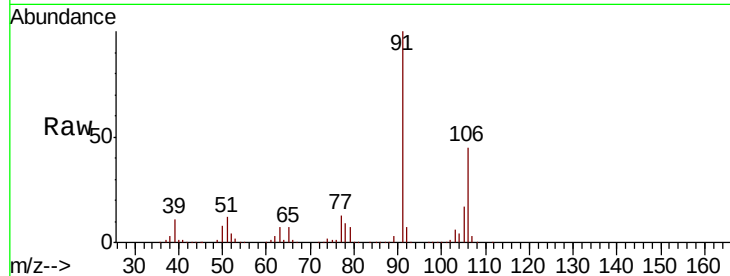




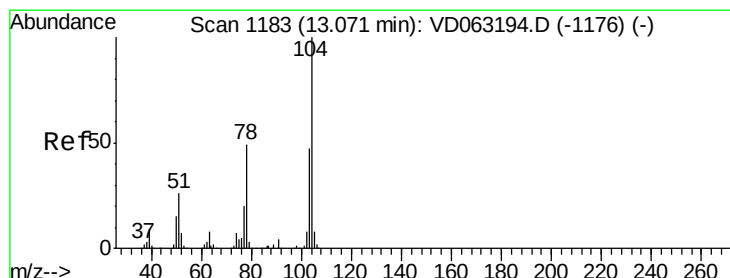
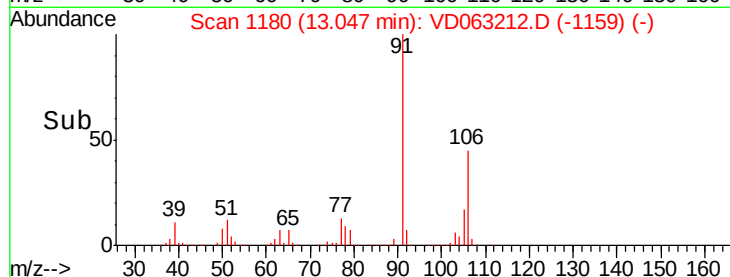
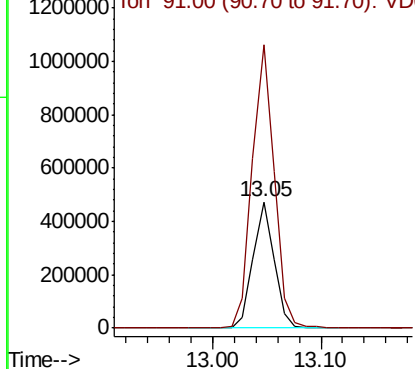
#69
o-Xylene
Concen: 49.243 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 647251
Ion Ratio Lower Upper
106 100
91 223.8 121.3 363.9

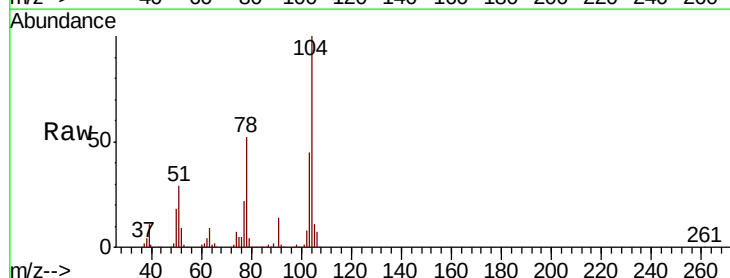


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

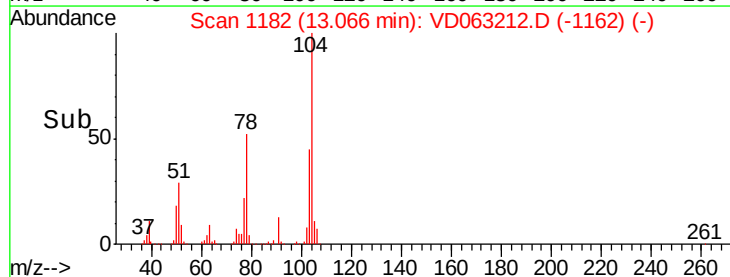
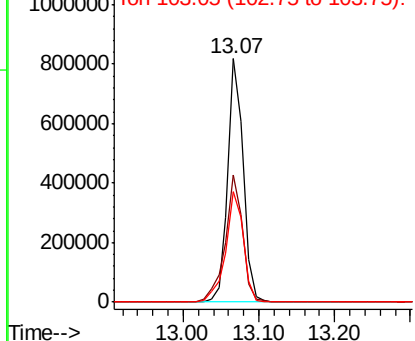


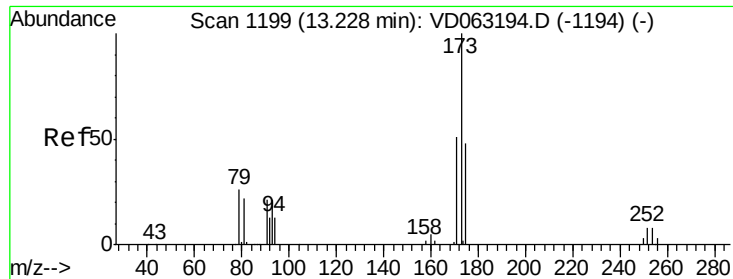
#70
Styrene
Concen: 49.495 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion:104 Resp: 1153731
Ion Ratio Lower Upper
104 100
78 52.0 39.4 59.0
103 45.4 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

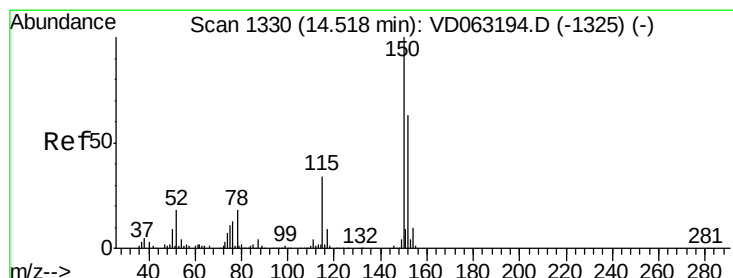
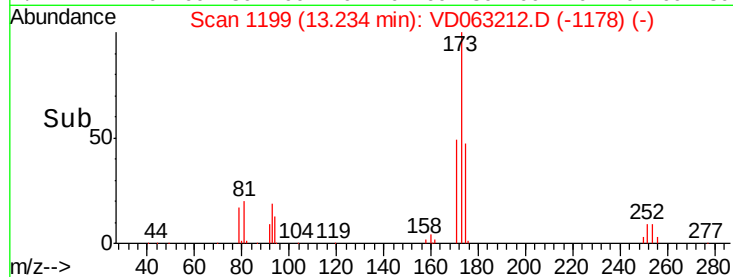
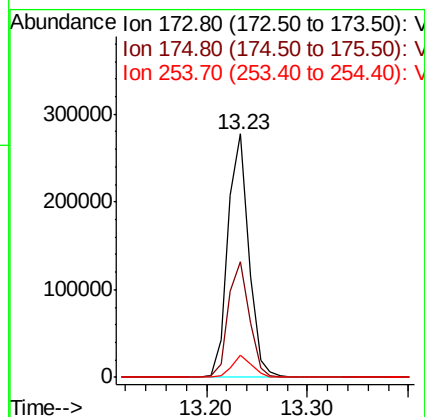
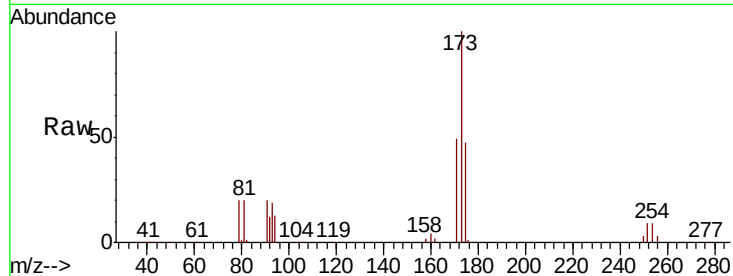




#71
Bromoform
Concen: 54.214 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

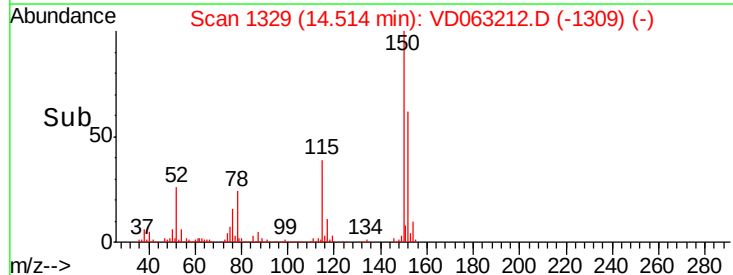
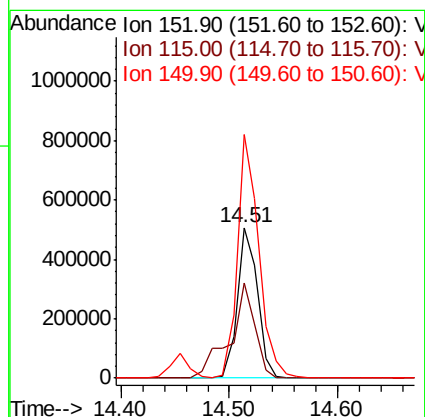
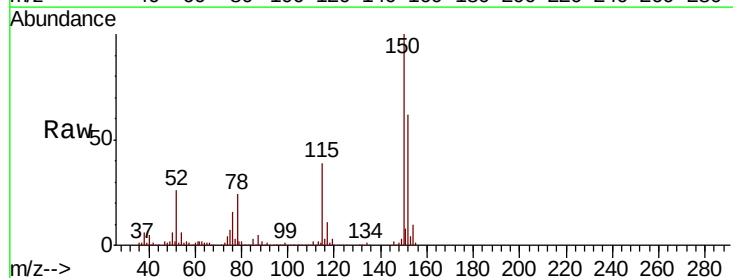
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

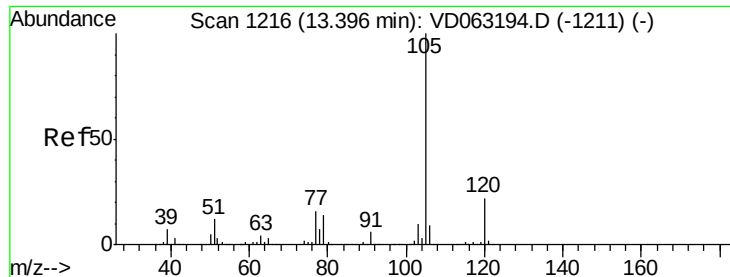
Tot Ion:173 Resp: 398999
Ion Ratio Lower Upper
173 100
175 47.3 23.8 71.5
254 9.0 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion:152 Resp: 661302
Ion Ratio Lower Upper
152 100
115 63.3 27.5 82.4
150 162.0 0.0 320.6





#73

Isopropylbenzene

Concen: 47.634 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

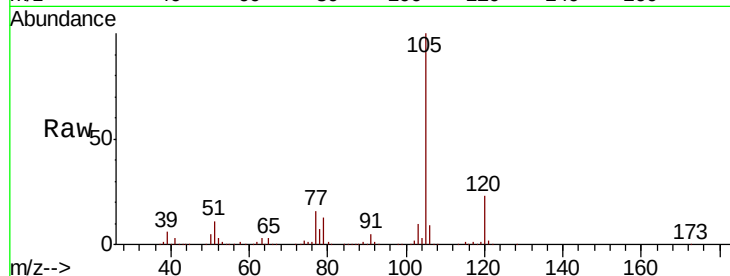
VSTDCCC050

Tot Ion:105 Resp: 1977072

Ion Ratio Lower Upper

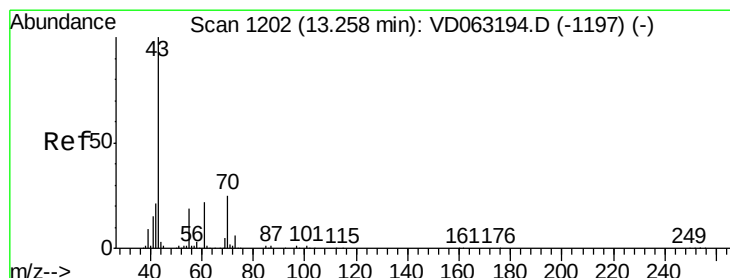
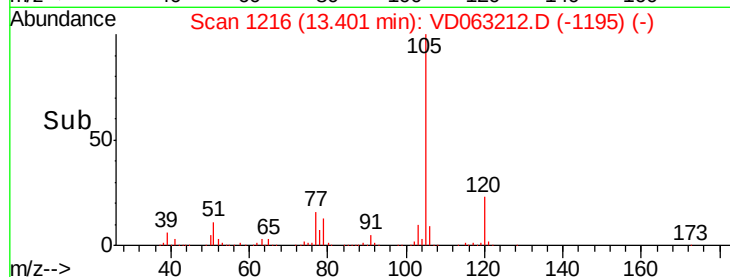
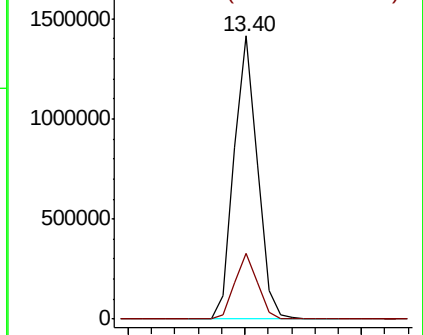
105 100

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



#74

N-ethyl acetate

Concen: 49.495 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Tgt Ion: 43 Resp: 543078

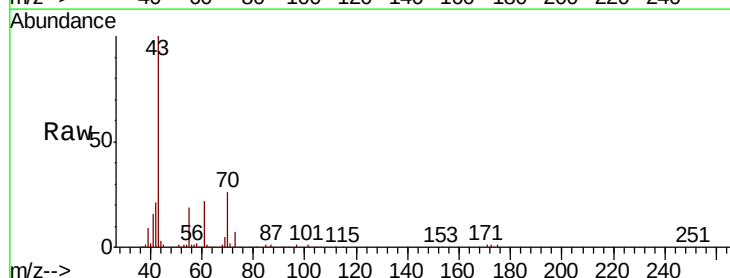
Ion Ratio Lower Upper

43 100

70 26.3 20.2 30.4

55 18.6 14.9 22.3

61 21.7 17.9 26.9

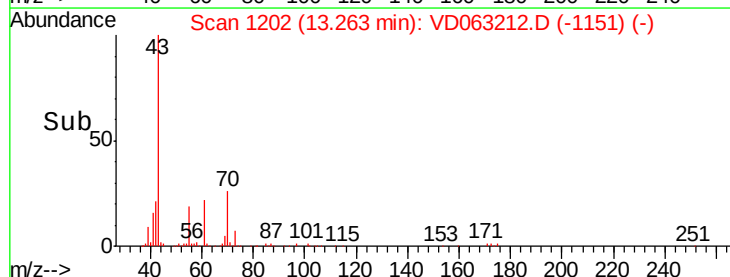
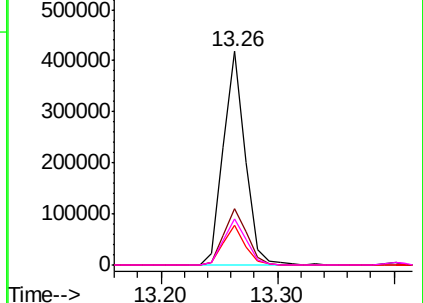


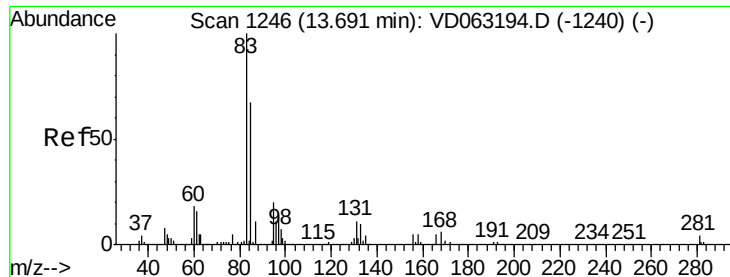
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.643 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

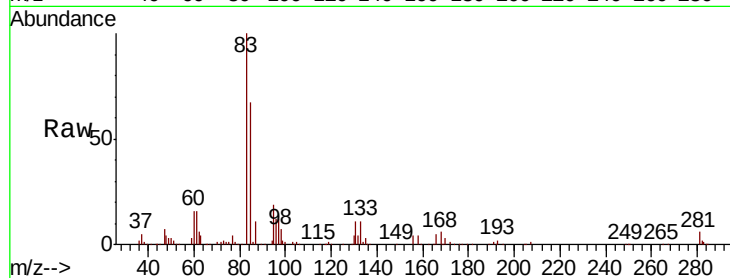
Tot Ion: 83 Resp: 335895

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

85 67.3 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

300000

250000

200000

150000

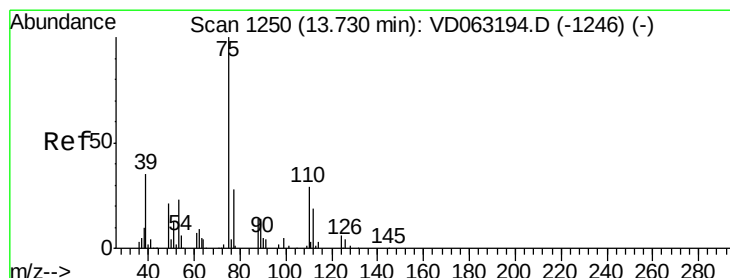
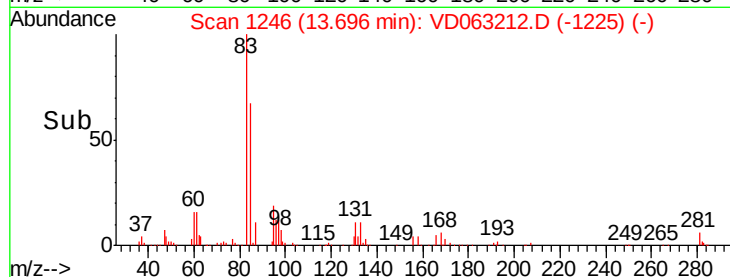
100000

50000

0

13.60 13.70 13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.009 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063212.D

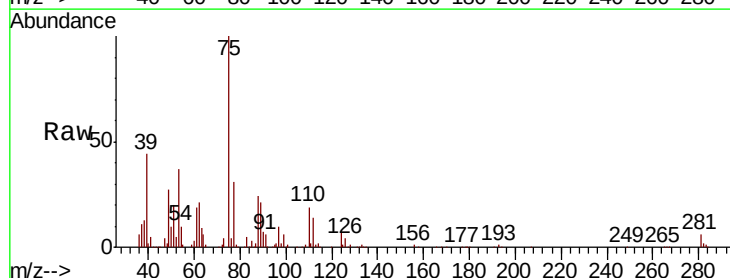
Acq: 29 Jul 2019 22:08

Tgt Ion: 75 Resp: 373394

Ion Ratio Lower Upper

75 100

77 30.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

600000

500000

400000

300000

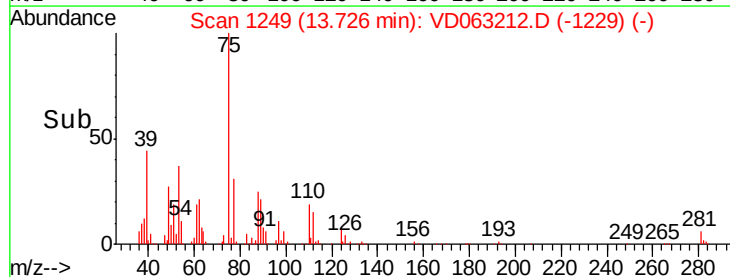
200000

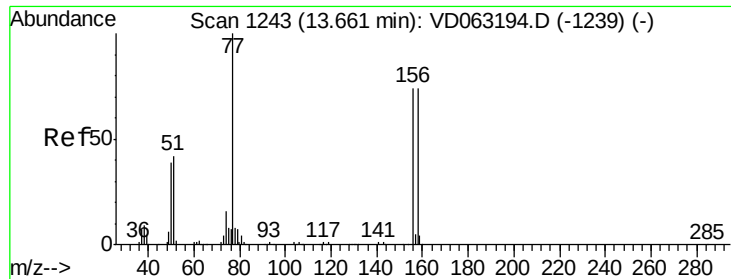
100000

0

13.65 13.70 13.75 13.80

Time-->





#77

Bromobenzene

Concen: 46.919 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

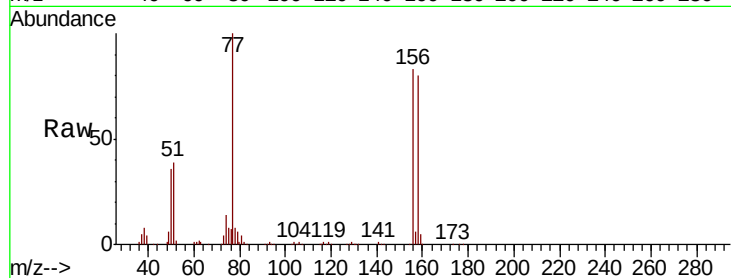
Tot Ion:156 Resp: 554753

Ion Ratio Lower Upper

156 100

77 121.1 67.6 202.8

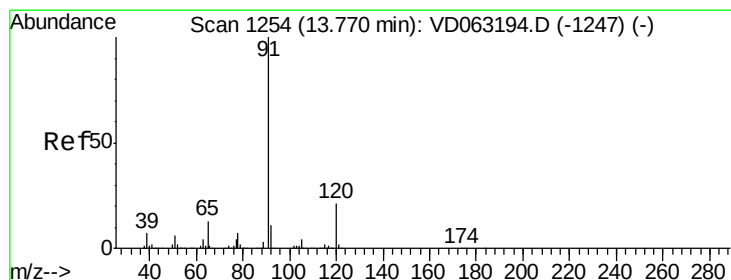
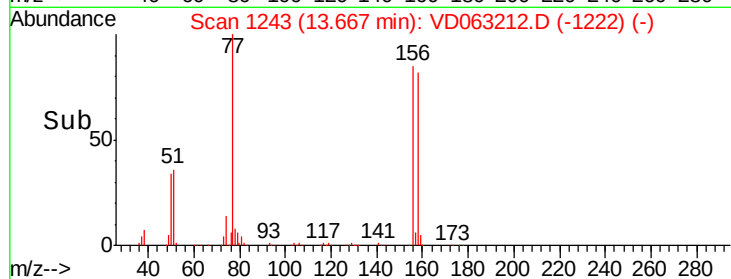
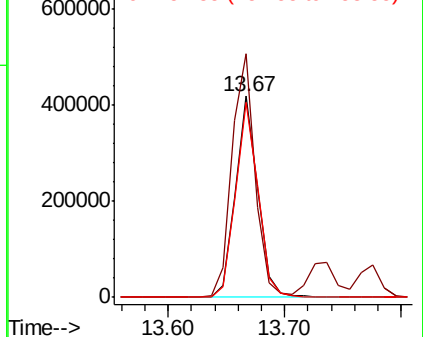
158 96.9 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 44.898 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063212.D

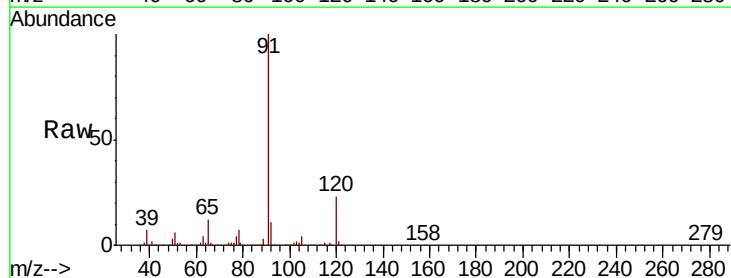
Acq: 29 Jul 2019 22:08

Tgt Ion: 91 Resp: 2217601

Ion Ratio Lower Upper

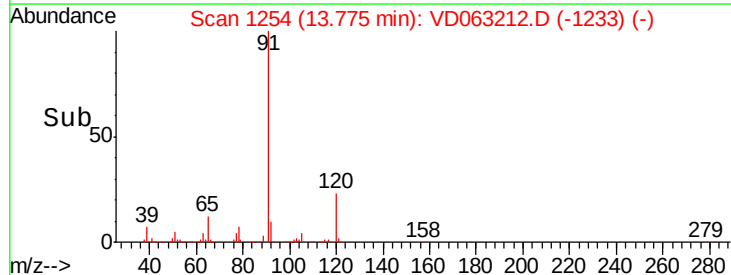
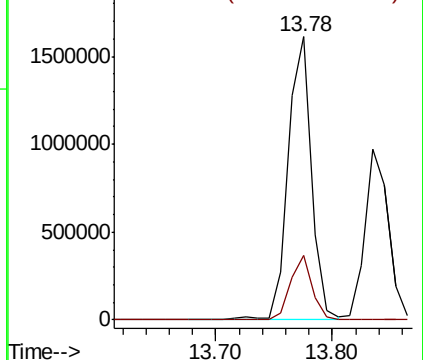
91 100

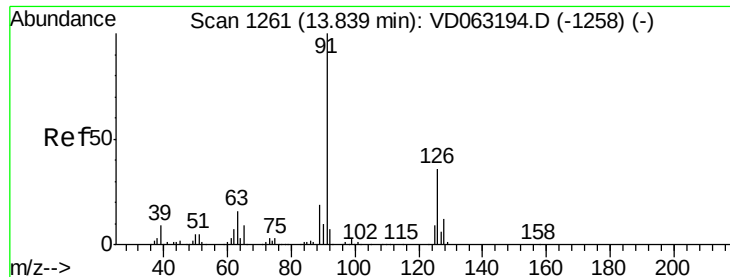
120 22.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.221 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

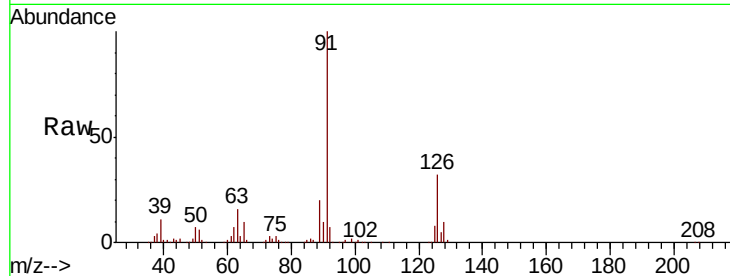
VSTDCCC050

Tot Ion: 91 Resp: 1351459

Ion Ratio Lower Upper

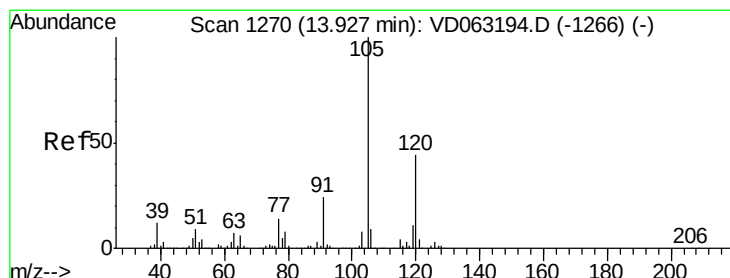
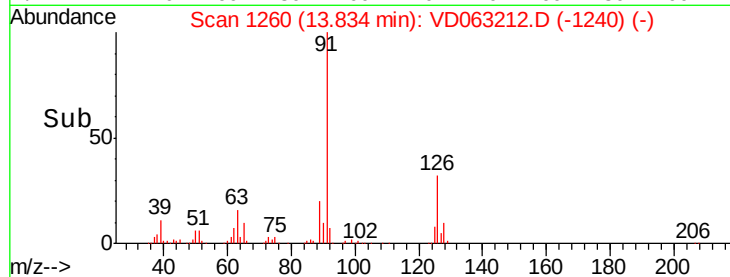
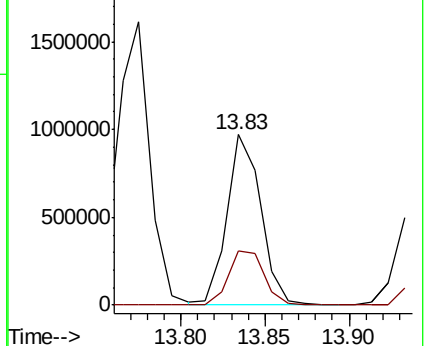
91 100

126 32.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063212.D (-1240) (-)

Ion 125.95 (125.65 to 126.65): VD063212.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.915 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063212.D

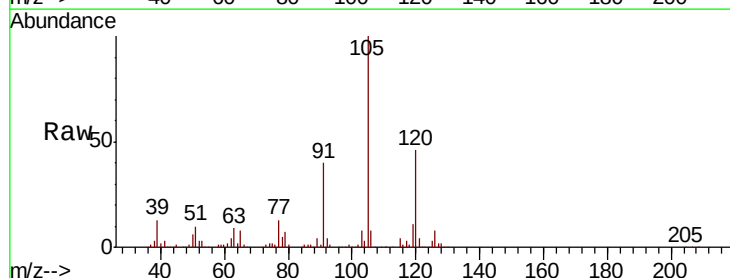
Acq: 29 Jul 2019 22:08

Tgt Ion:105 Resp: 1679473

Ion Ratio Lower Upper

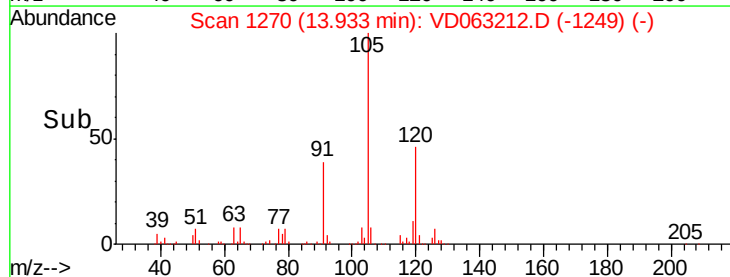
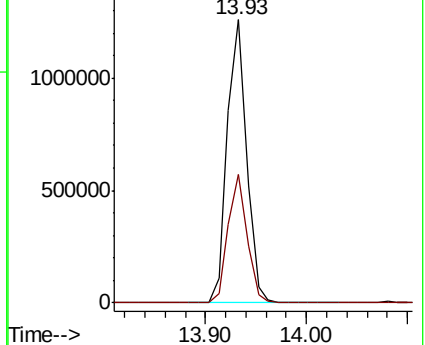
105 100

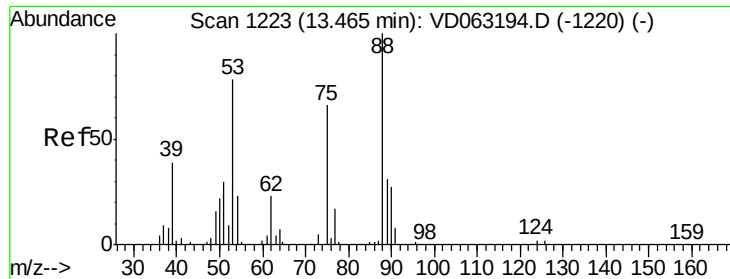
120 45.5 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063212.D (-1249) (-)

Ion 120.05 (119.75 to 120.75): VD063212.D (-1249) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.963 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

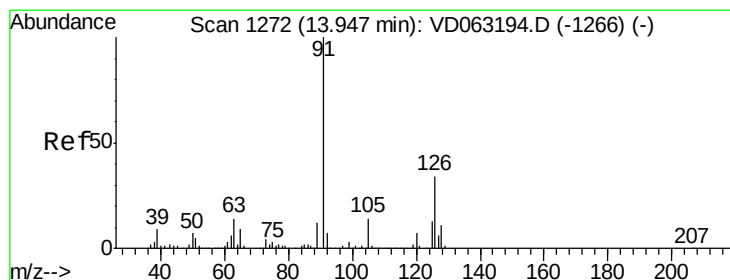
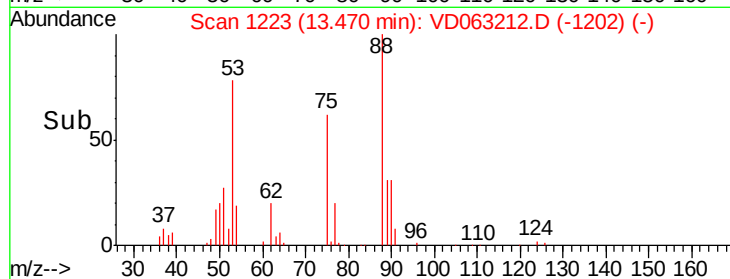
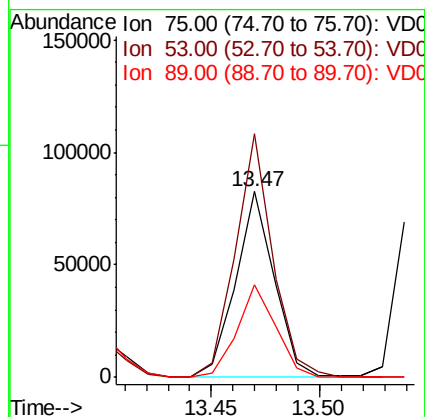
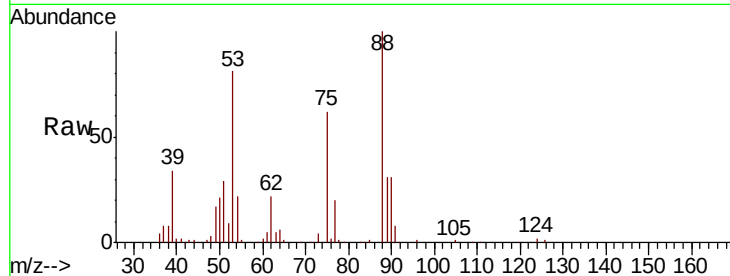
Tot Ion: 75 Resp: 103584

Ion Ratio Lower Upper

75 100

53 131.1 94.9 142.3

89 50.2 37.4 56.0



#82

4-Chlorotoluene

Concen: 47.898 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063212.D

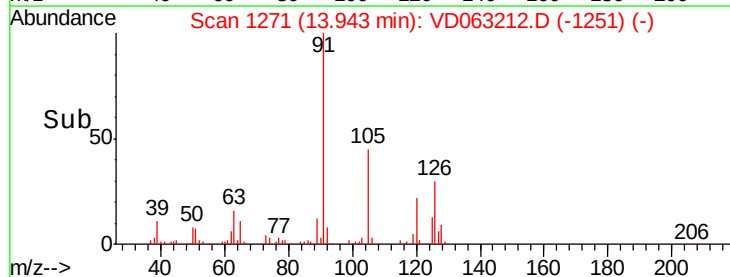
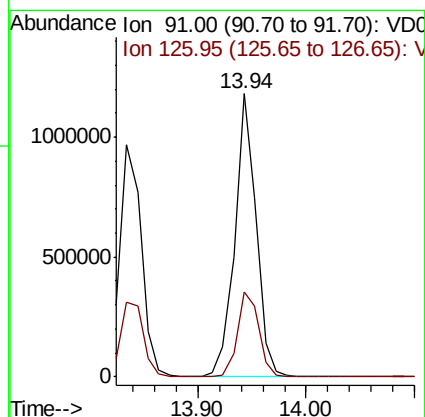
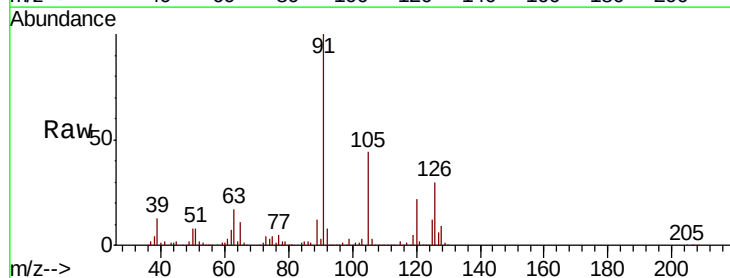
Acq: 29 Jul 2019 22:08

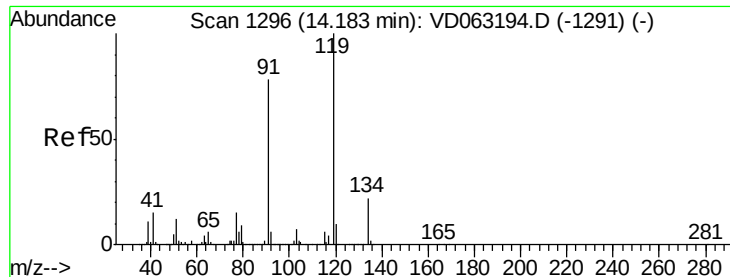
Tgt Ion: 91 Resp: 1613256

Ion Ratio Lower Upper

91 100

126 30.2 17.1 51.2





#83

tert-Butylbenzene

Concen: 44.414 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

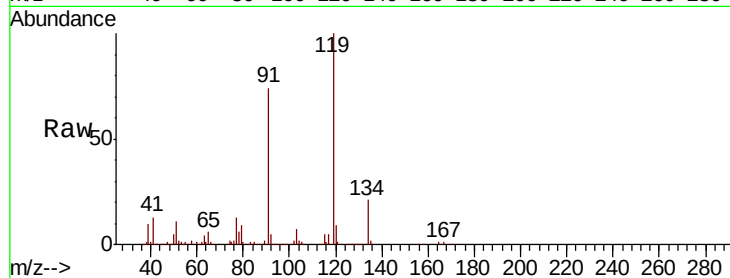
Tot Ion:119 Resp: 1815395

Ion Ratio Lower Upper

119 100

91 73.7 39.1 117.5

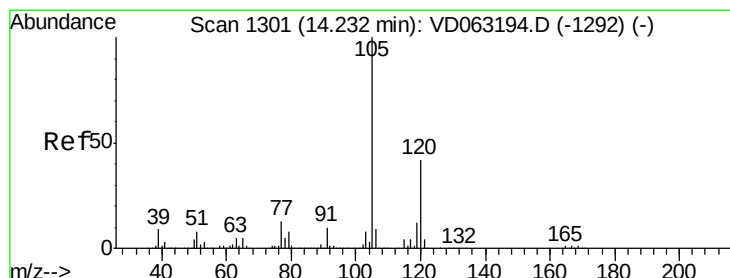
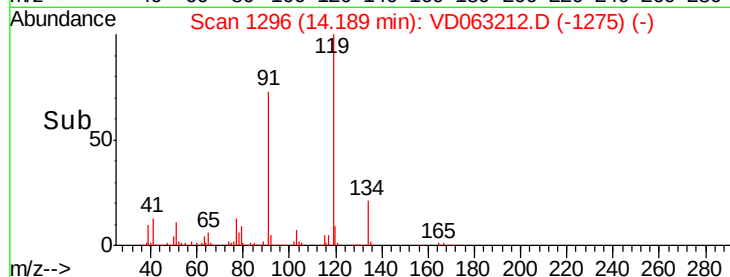
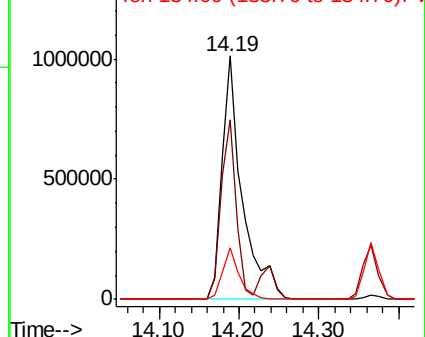
134 21.0 10.9 32.6



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: 44.136 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD063212.D

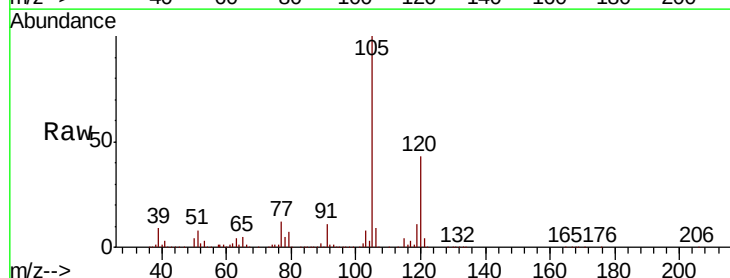
Acq: 29 Jul 2019 22:08

Tgt Ion:105 Resp: 1634252

Ion Ratio Lower Upper

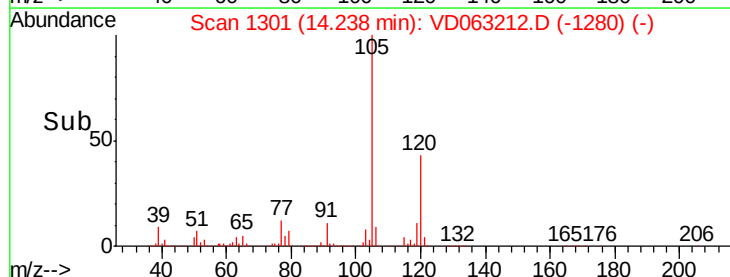
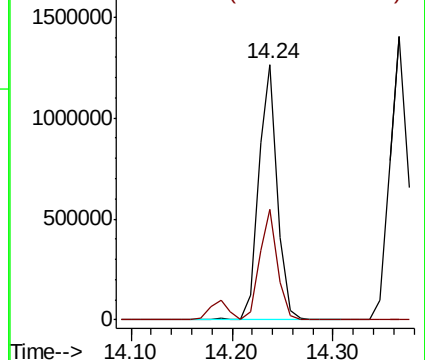
105 100

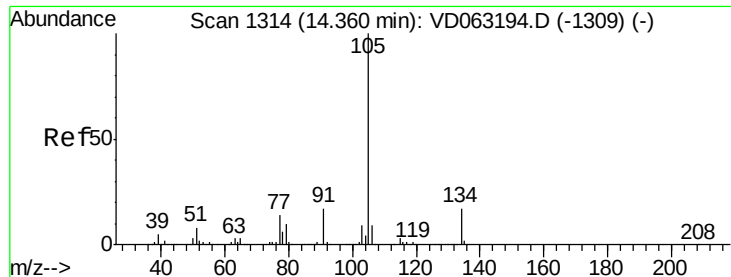
120 43.4 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 41.962 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

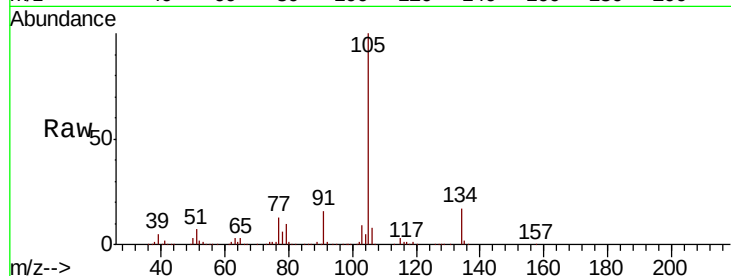
VSTDCCC050

Tot Ion:105 Resp: 1807098

Ion Ratio Lower Upper

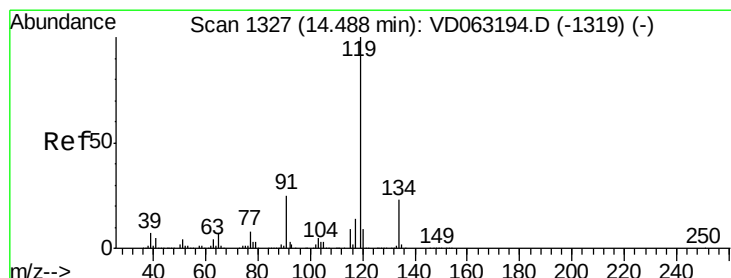
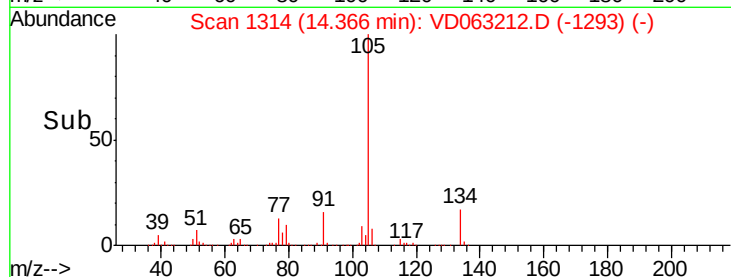
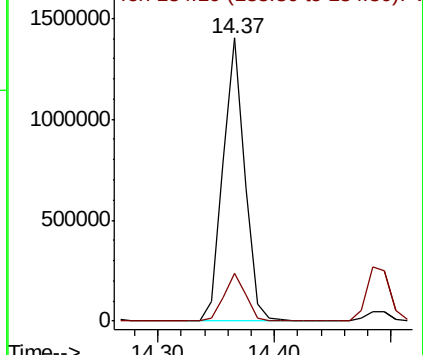
105 100

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: 42.135 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

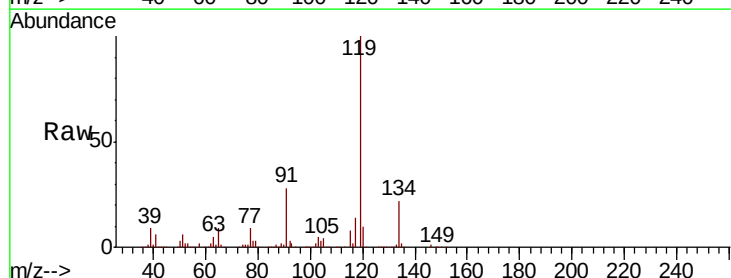
Tgt Ion:119 Resp: 1731888

Ion Ratio Lower Upper

119 100

134 21.7 11.5 34.5

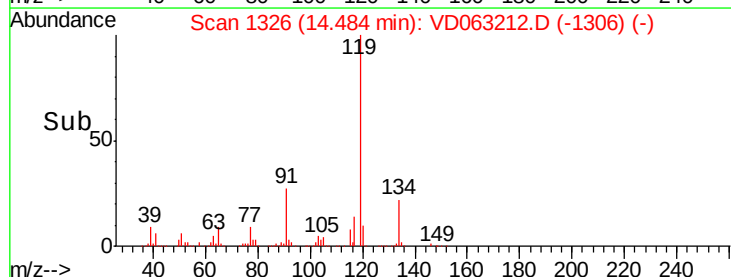
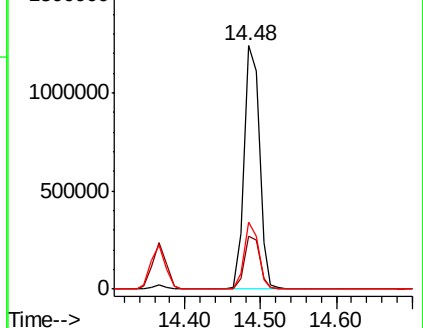
91 27.6 12.6 37.6

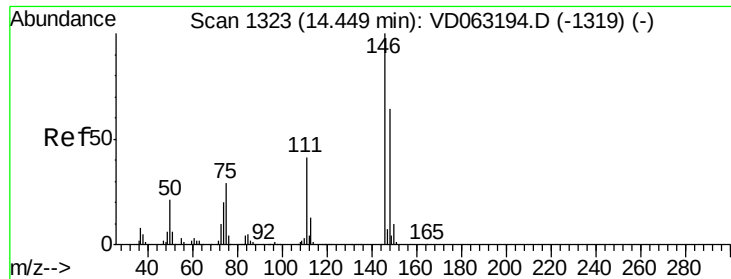


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

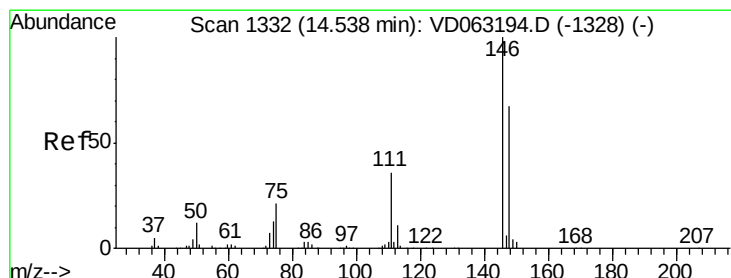
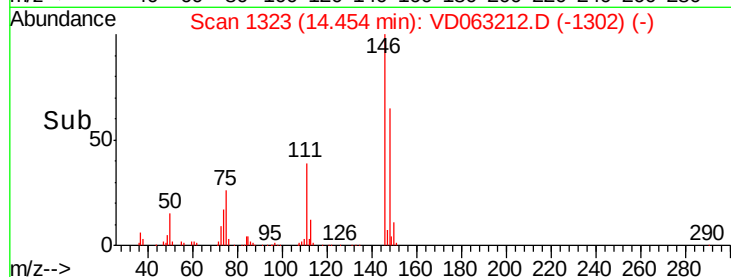
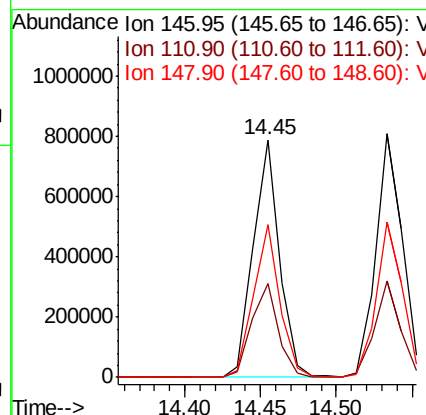
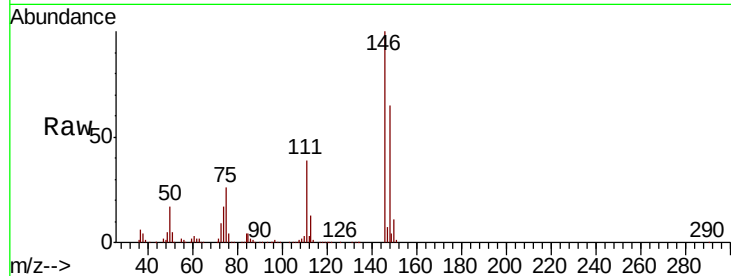




#87
 1,3-Dichlorobenzene
 Concen: 45.686 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

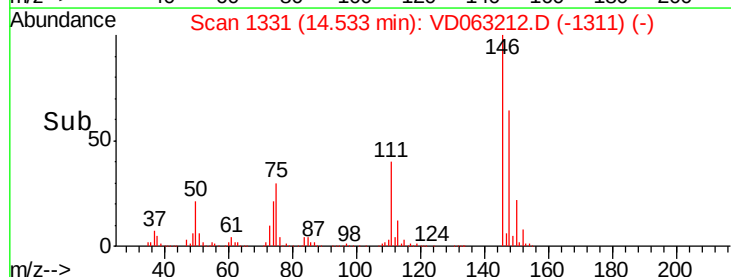
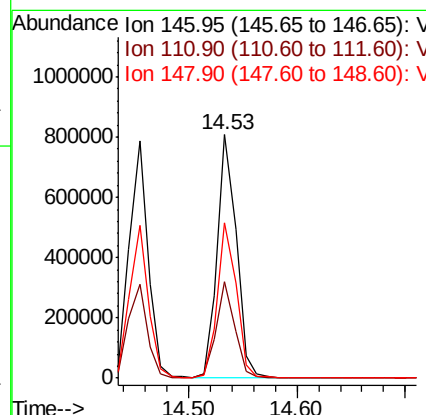
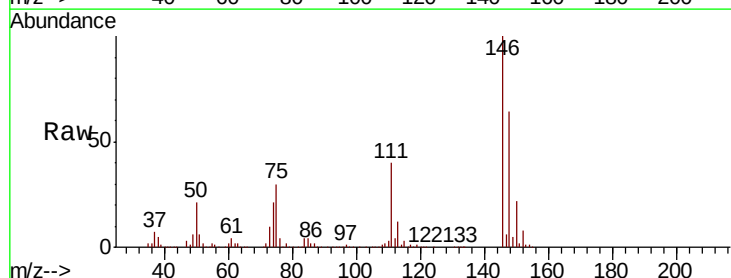
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

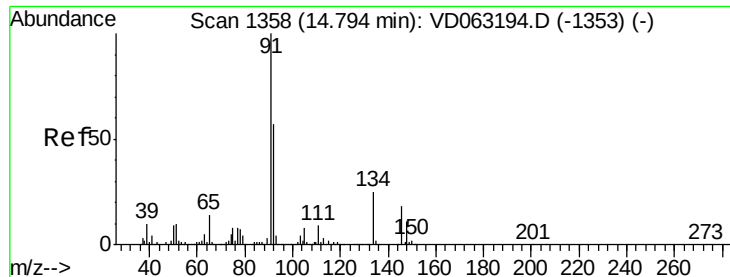
Tot Ion:146 Resp: 956614
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.4 61.3
 148 64.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.253 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion:146 Resp: 1000518
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.1 54.3
 148 63.6 33.4 100.1





#89

n-Butylbenzene

Concen: 46.710 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063212.D

Acq: 29 Jul 2019 22:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

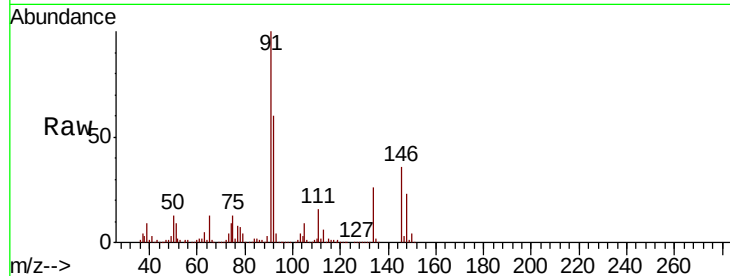
Tot Ion: 91 Resp: 1658217

Ion	Ratio	Lower	Upper
91	100		
92	59.9	28.3	85.0
134	25.9	12.3	36.8

91 100

92 59.9 28.3 85.0

134 25.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

14.80

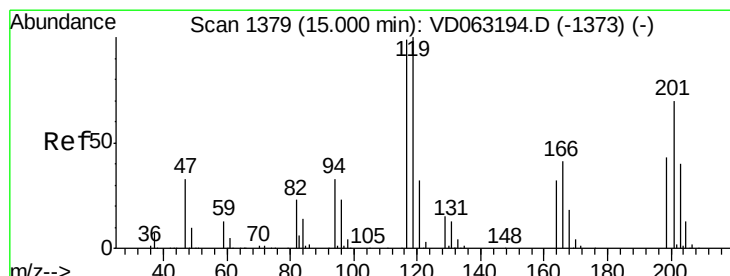
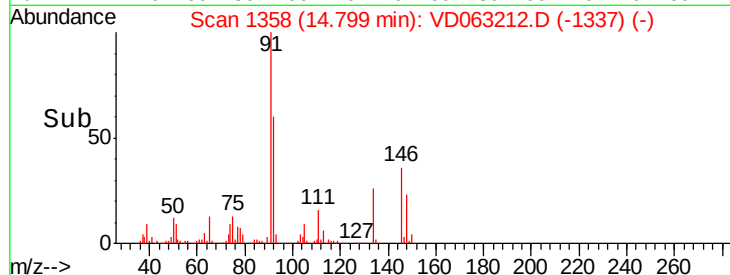
1500000

1000000

500000

0

Time--> 14.70 14.80 14.90



#90

Hexachloroethane

Concen: 47.078 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VD063212.D

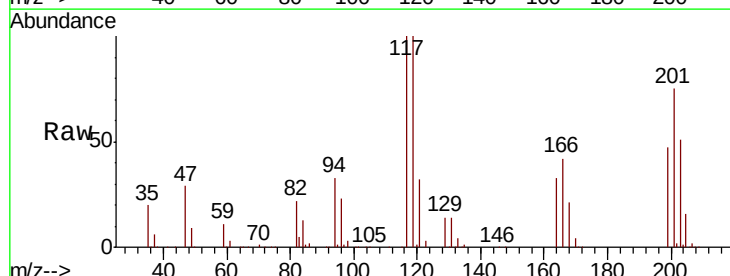
Acq: 29 Jul 2019 22:08

Tgt Ion: 117 Resp: 504155

Ion	Ratio	Lower	Upper
117	100		
201	75.4	35.2	105.6

117 100

201 75.4 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

15.01

400000

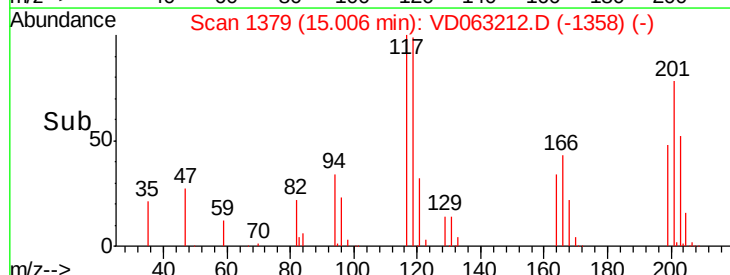
300000

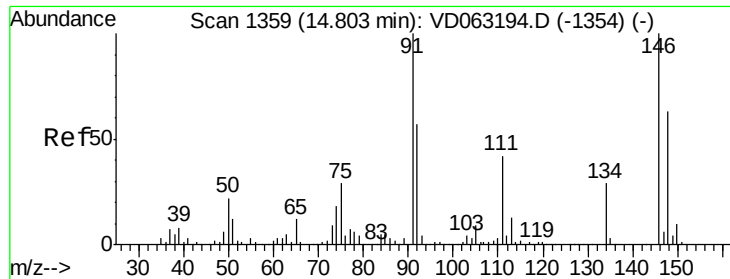
200000

100000

0

Time--> 14.90 15.00 15.10

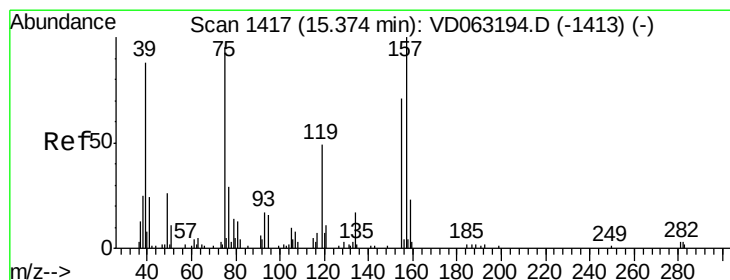
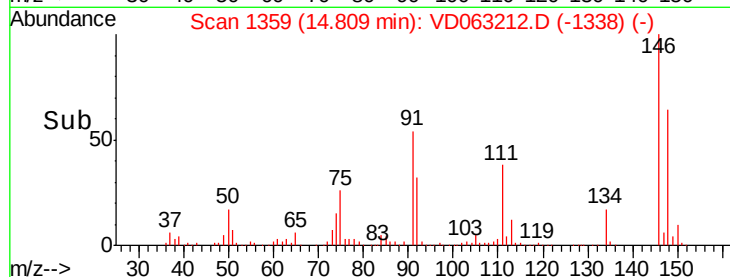
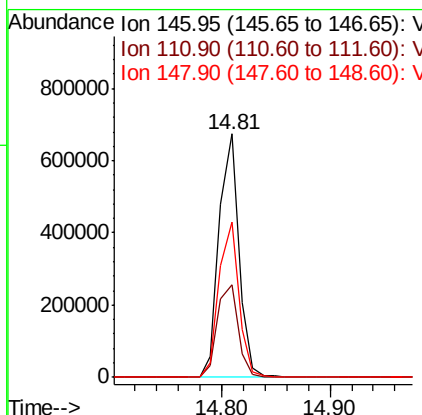
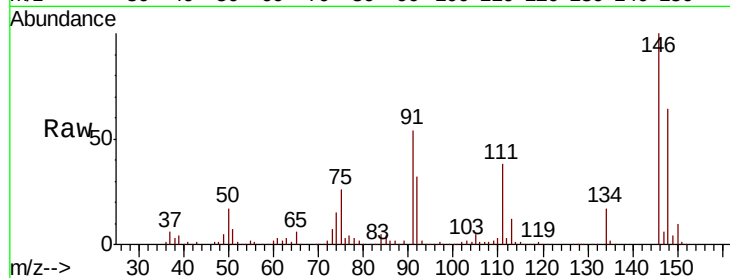




#91
 1,2-Dichlorobenzene
 Concen: 47.251 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

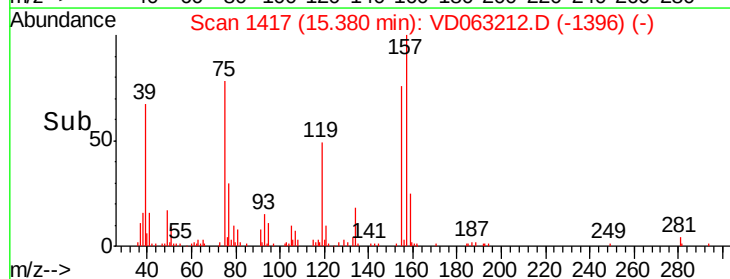
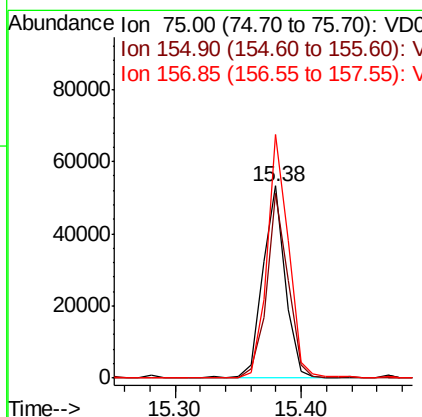
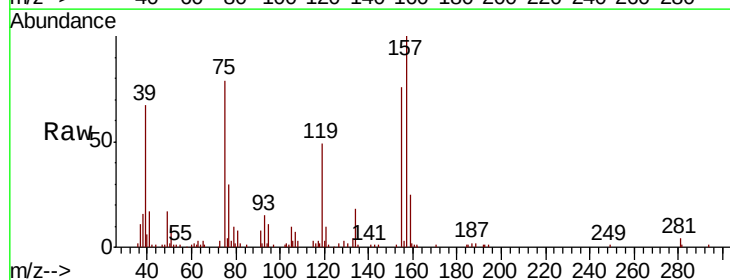
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

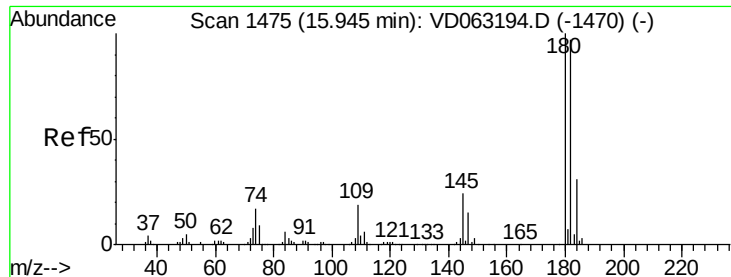
Tot Ion:146 Resp: 862029
 Ion Ratio Lower Upper
 146 100
 111 37.8 21.1 63.3
 148 63.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.706 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion: 75 Resp: 65639
 Ion Ratio Lower Upper
 75 100
 155 96.3 37.0 111.0
 157 126.8 52.4 157.2

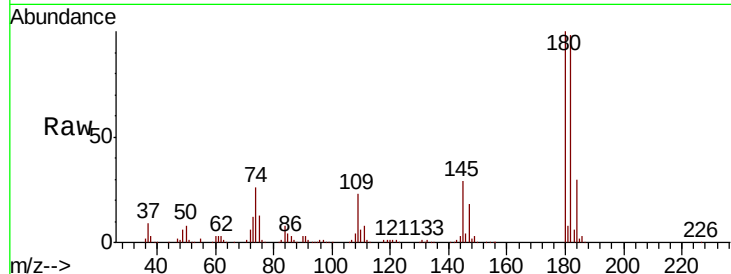




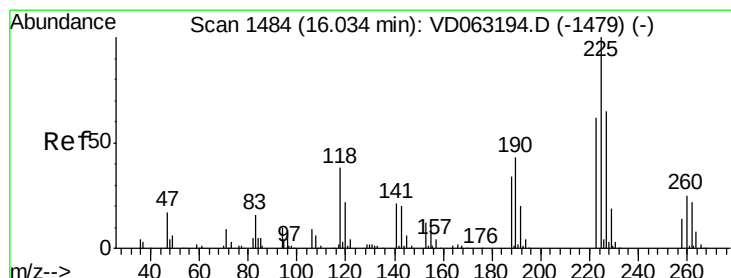
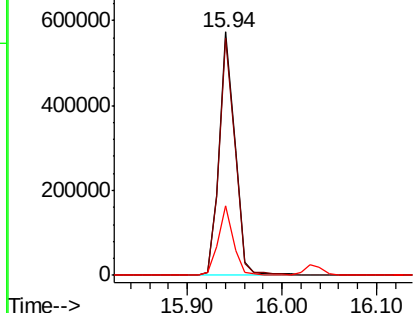
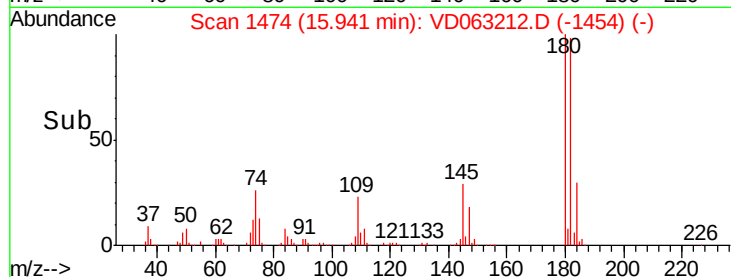
#93
 1,2,4-Trichlorobenzene
 Concen: 45.999 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 665724
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.6 145.8
 145 28.7 12.2 36.6

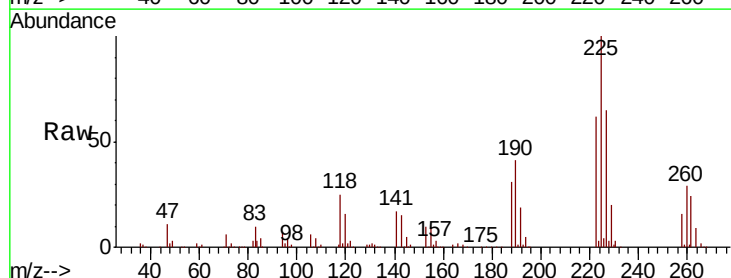


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

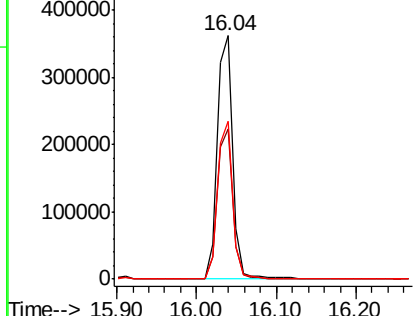
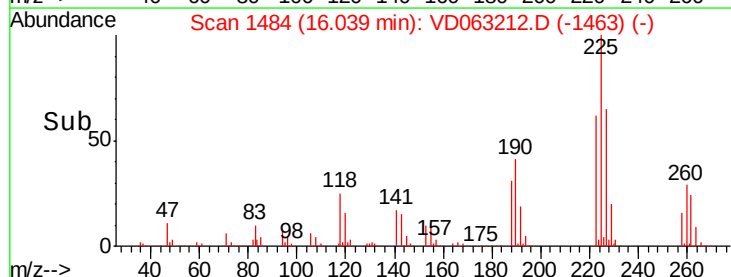


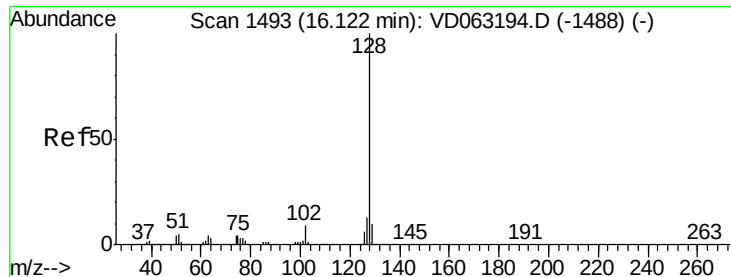
#94
 Hexachlorobutadiene
 Concen: 47.265 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063212.D
 Acq: 29 Jul 2019 22:08

Tgt Ion:225 Resp: 495718
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.9 92.5
 227 65.0 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



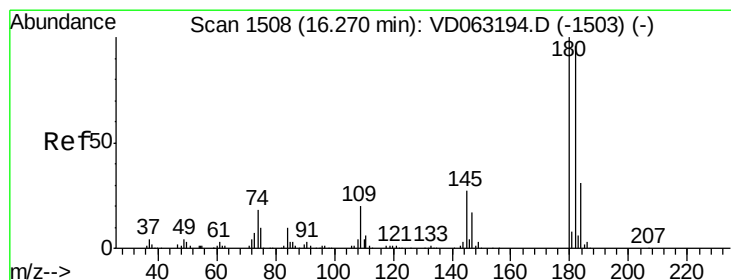
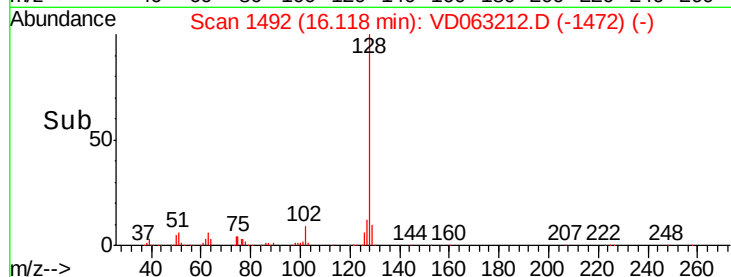
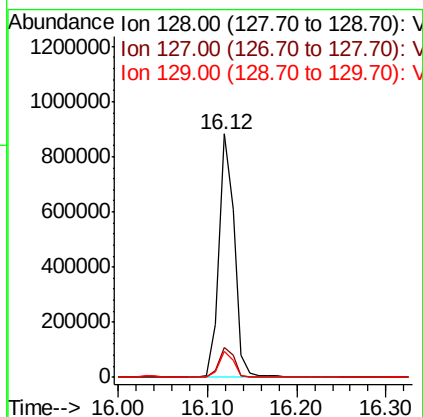
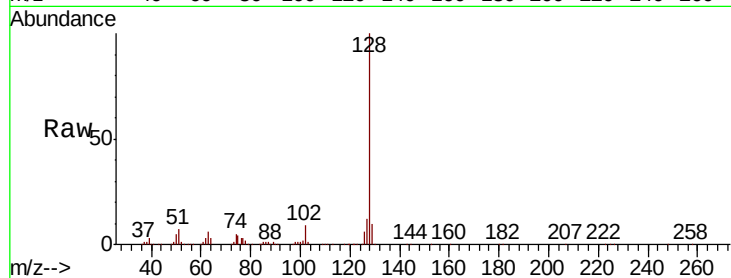


#95
Naphthalene
Concen: 52.455 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1073012

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	10.5	7.8	11.8



#96
1,2,3-Trichlorobenzene
Concen: 47.570 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063212.D
Acq: 29 Jul 2019 22:08

Tgt Ion:180 Resp: 543886

Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.3	144.9
145	30.5	13.6	40.7

