

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063194.D
 Acq On : 29 Jul 2019 12:36
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 30 02:22:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 02:15:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1025388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1406824	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1206008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	632802	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	598456	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	6.91	113	603378	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.40	98	1436765	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	13.55	95	604042	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	567350	45.234	ug/l	100
3) Chloromethane	1.74	50	440736	45.245	ug/l	100
4) Vinyl Chloride	1.84	62	483946	48.005	ug/l	100
5) Bromomethane	2.14	94	253362	49.831	ug/l	100
6) Chloroethane	2.26	64	225796	48.512	ug/l	100
7) Trichlorofluoromethane	2.52	101	960102	49.091	ug/l	100
8) Diethyl Ether	2.86	74	126869	46.351	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	482613	44.548	ug/l	100
10) Methyl Iodide	3.29	142	821572	52.495	ug/l	100
11) Tert butyl alcohol	4.06	59	108364	215.807	ug/l	100
12) 1,1-Dichloroethene	3.11	96	369820	46.499	ug/l	100
13) Acrolein	3.03	56	105426	219.393	ug/l	100
14) Allyl chloride	3.60	41	628298	49.570	ug/l	100
15) Acrylonitrile	4.18	53	291198	224.951	ug/l	100
16) Acetone	3.22	43	542416	244.683	ug/l	100
17) Carbon Disulfide	3.36	76	1297956	48.758	ug/l	100
18) Methyl Acetate	3.63	43	185958	43.671	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	847841	47.193	ug/l	100
20) Methylene Chloride	3.80	84	419694	46.838	ug/l	100
21) trans-1,2-Dichloroethene	4.20	96	417072	46.736	ug/l	100
22) Diisopropyl ether	5.11	45	1224563	48.329	ug/l	100
23) Vinyl Acetate	5.05	43	3813474	245.082	ug/l	100
24) 1,1-Dichloroethane	4.97	63	782031	48.367	ug/l	100
25) 2-Butanone	6.06	43	547973	246.307	ug/l	100
26) 2,2-Dichloropropane	6.01	77	836999	50.232	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	482278	50.407	ug/l	100
28) Bromochloromethane	6.43	49	315168	48.834	ug/l	100
29) Tetrahydrofuran	6.45	42	248158	235.598	ug/l	100
30) Chloroform	6.65	83	959468	47.816	ug/l	100
31) Cyclohexane	6.94	56	476398	47.006	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	944186	48.647	ug/l	100
36) 1,1-Dichloropropene	7.13	75	654081	50.945	ug/l	100
37) Ethyl Acetate	6.17	43	250234	43.472	ug/l	100
38) Carbon Tetrachloride	7.10	117	1019354	52.738	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	534591	49.975	ug/l	100
40) Benzene	7.44	78	1389302	51.631	ug/l	100
41) Methacrylonitrile	6.45	41	335531	48.629	ug/l	100
42) 1,2-Dichloroethane	7.57	62	706854	49.566	ug/l	100
43) Isopropyl Acetate	9.23	43	355045	48.187	ug/l	100
44) Trichloroethene	8.53	130	538267	49.366	ug/l	100
45) 1,2-Dichloropropane	8.93	63	336240	49.162	ug/l	100
46) Dibromomethane	9.05	93	278569	48.985	ug/l	100
47) Bromodichloromethane	9.37	83	717478	49.494	ug/l	100
48) Methyl methacrylate	9.11	41	244065	51.074	ug/l	100
49) 1,4-Dioxane	9.07	88	40059	1013.240	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1225179	244.502	ug/l	100
52) Toluene	10.50	92	849532	47.469	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	635272	50.831	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	669257	50.953	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	290493	48.061	ug/l	100
56) Ethyl methacrylate	11.03	69	335027	50.618	ug/l	100
57) 1,3-Dichloropropane	11.40	76	482982	50.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	858987	249.417	ug/l	100
59) 2-Hexanone	11.53	43	841408	233.007	ug/l	100
60) Dibromochloromethane	11.68	129	581888	50.995	ug/l	100
61) 1,2-Dibromoethane	11.80	107	363800	48.778	ug/l	100
64) Tetrachloroethene	11.25	164	439760	45.771	ug/l	100
65) Chlorobenzene	12.39	112	1153902	49.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	496833	48.623	ug/l	100
67) Ethyl Benzene	12.52	91	1893992	48.063	ug/l	100
68) m/p-Xylenes	12.66	106	1379373	95.448	ug/l	100
69) o-Xylene	13.04	106	607912	45.808	ug/l	100
70) Styrene	13.07	104	1155093	49.080	ug/l	100
71) Bromoform	13.23	173	361854	48.697	ug/l	100
73) Isopropylbenzene	13.40	105	1967874	49.548	ug/l	100
74) N-amyl acetate	13.26	43	517087	49.249	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	331848	49.189	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	386028	50.788	ug/l	100
77) Bromobenzene	13.66	156	542143	47.918	ug/l	100
78) n-propylbenzene	13.77	91	2379919	50.354	ug/l	100
79) 2-Chlorotoluene	13.84	91	1326344	48.431	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1586498	46.314	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	106487	50.454	ug/l	100
82) 4-Chlorotoluene	13.95	91	1498734	46.501	ug/l	100
83) tert-Butylbenzene	14.18	119	1887881	48.267	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1756642	49.578	ug/l	100
85) sec-Butylbenzene	14.36	105	1958278	47.521	ug/l	100
86) p-Isopropyltoluene	14.49	119	1848881	47.007	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	947665	47.297	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	984605	48.596	ug/l	100
89) n-Butylbenzene	14.79	91	1685487	49.616	ug/l	100
90) Hexachloroethane	15.00	117	482788	47.114	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	872203	49.962	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	54413	39.596	ug/l	100

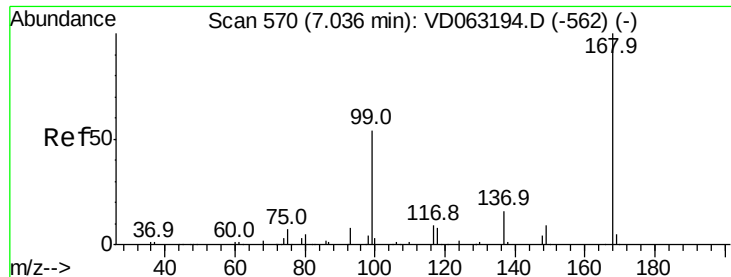
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	654199	47.238	ug/l	100
94) Hexachlorobutadiene	16.03	225	493040	49.127	ug/l	100
95) Naphthalene	16.12	128	938212	47.931	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	511545	46.757	ug/l	100

(#) = 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. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

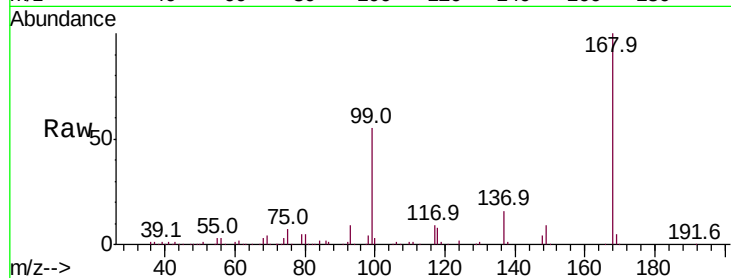
VSTDICCC050

Tot Ion:168 Resp: 1025388

Ion Ratio Lower Upper

168 100

99 54.6 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

400000

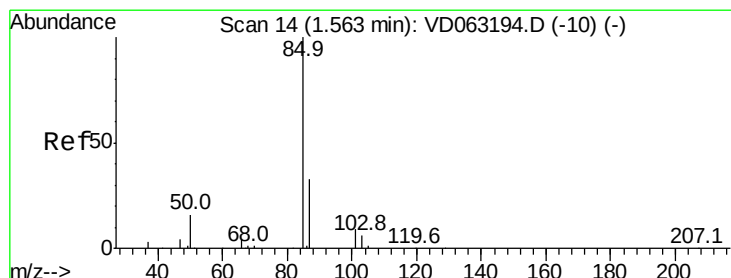
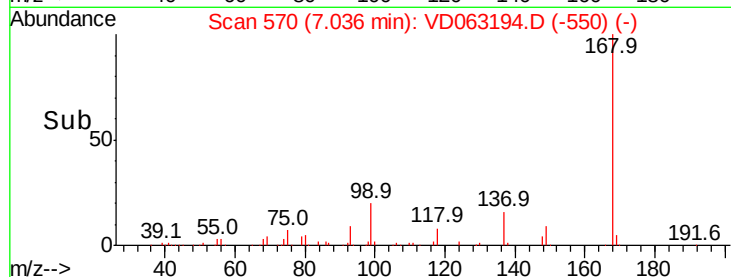
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.234 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063194.D

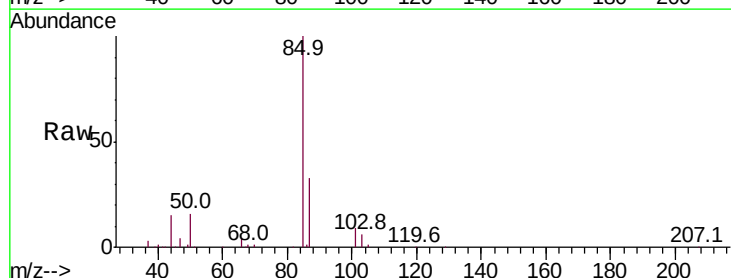
Acq: 29 Jul 2019 12:36

Tgt Ion: 85 Resp: 567350

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

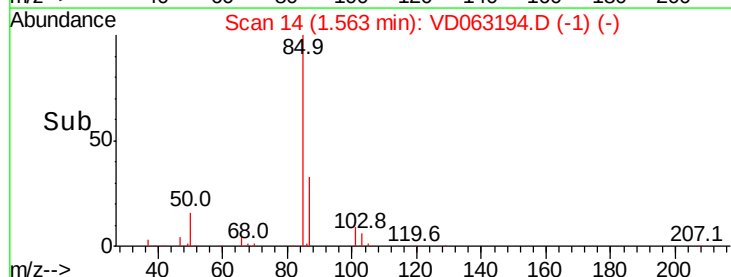
300000

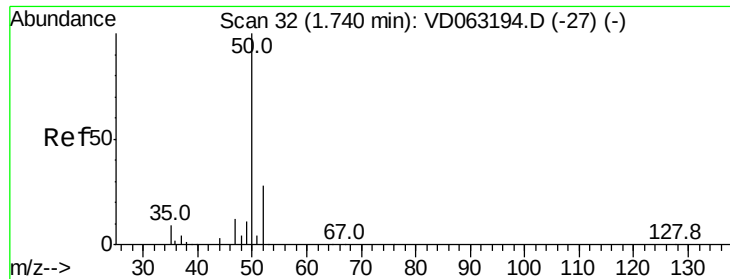
200000

100000

0

Time-->





#3

Chloromethane

Concen: 45.245 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

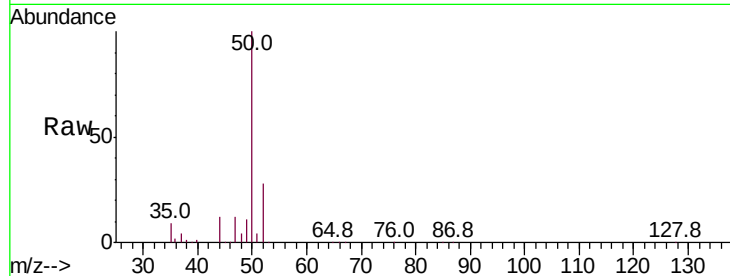
VSTDICCC050

Tot Ion: 50 Resp: 440736

Ion Ratio Lower Upper

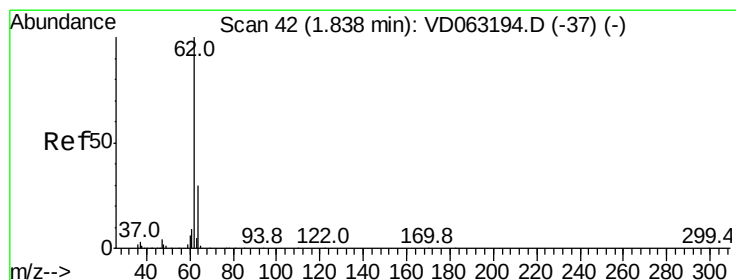
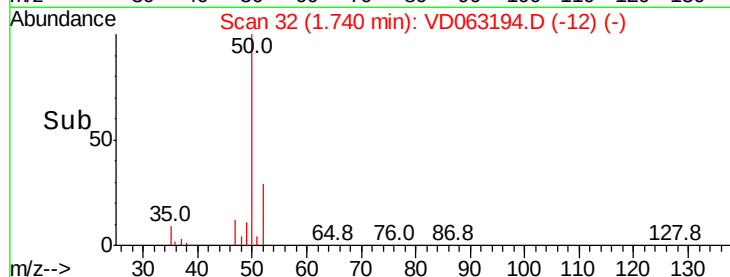
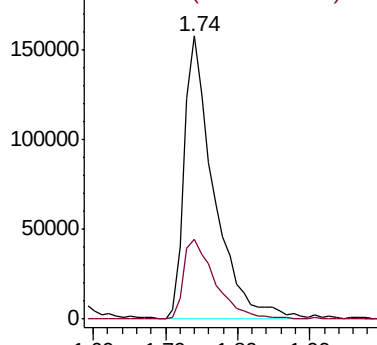
50 100

52 28.3 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.005 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063194.D

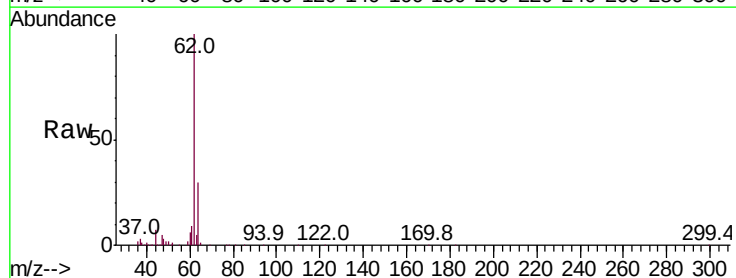
Acq: 29 Jul 2019 12:36

Tgt Ion: 62 Resp: 483946

Ion Ratio Lower Upper

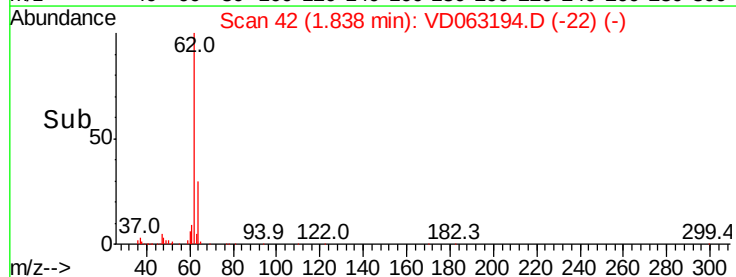
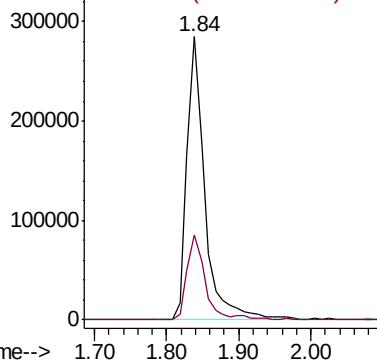
62 100

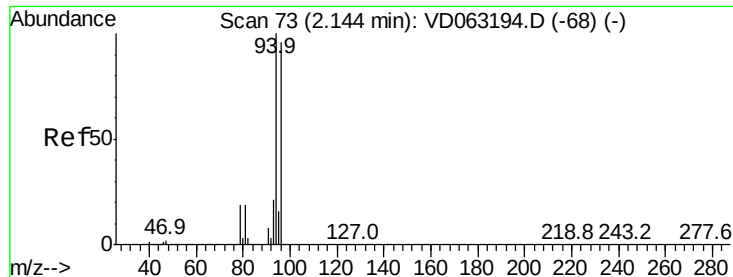
64 30.1 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.831 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

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ClientSampleId :

VSTDICCC050

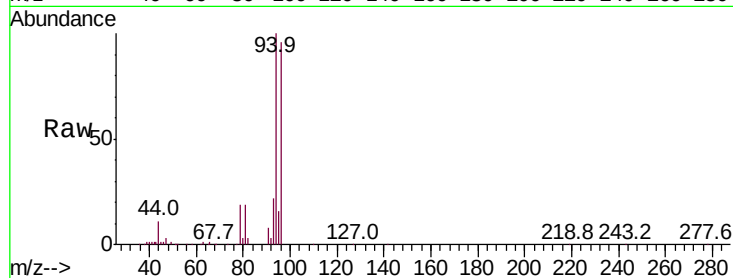
Tot Ion: 94 Resp: 253362

Ion Ratio Lower Upper

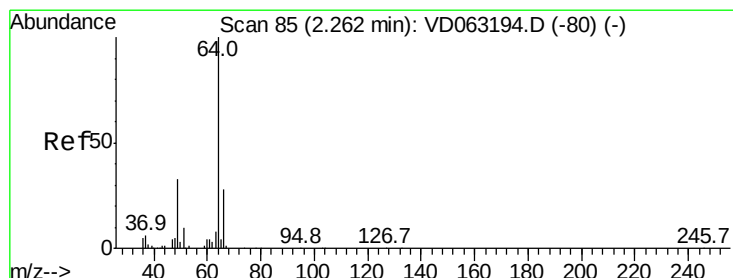
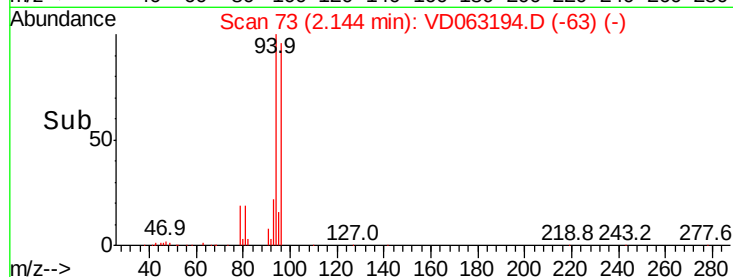
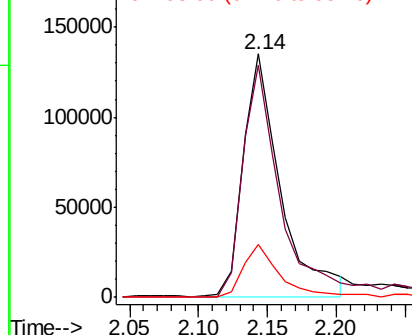
94 100

96 95.5 76.4 114.6

93 21.6 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 48.512 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063194.D

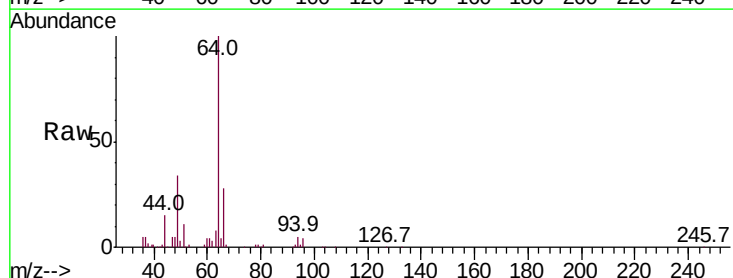
Acq: 29 Jul 2019 12:36

Tgt Ion: 64 Resp: 225796

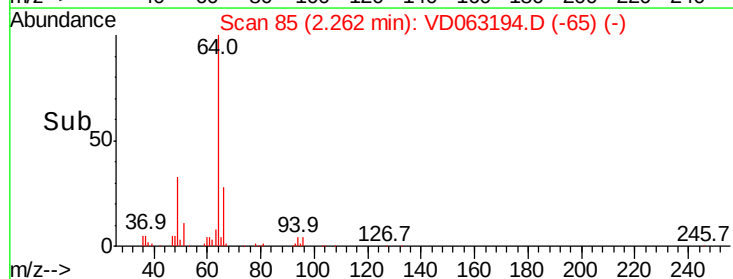
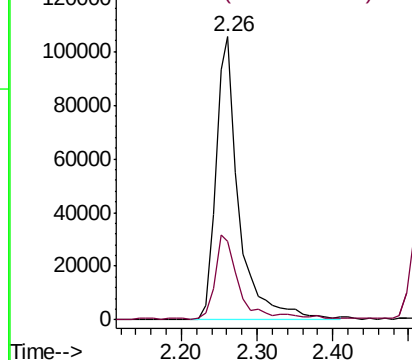
Ion Ratio Lower Upper

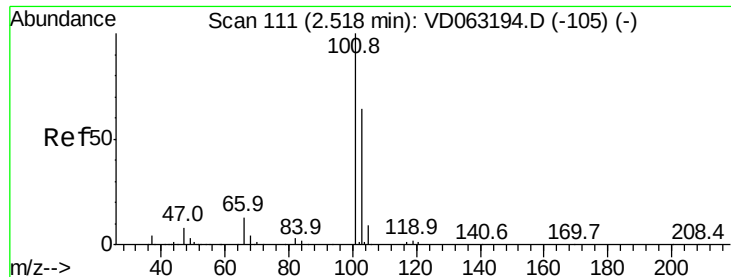
64 100

66 27.7 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



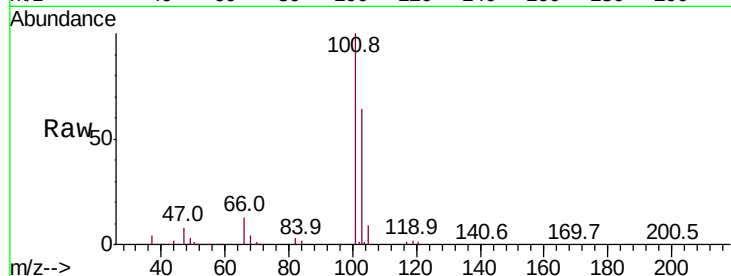


#7

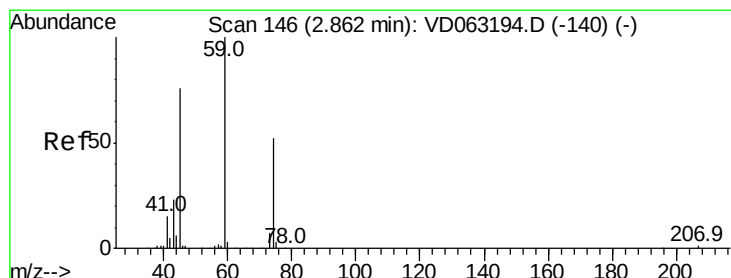
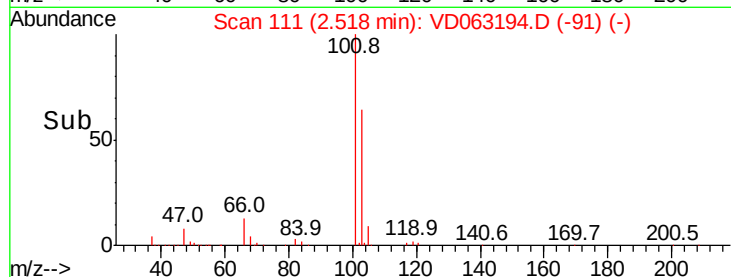
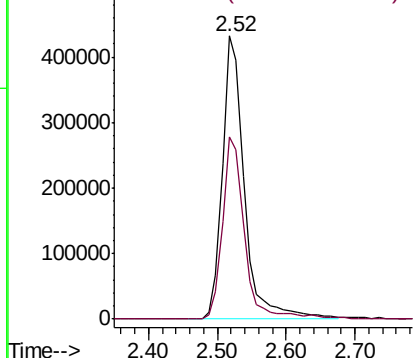
Trichlorofluoromethane
Concen: 49.091 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 960102
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3



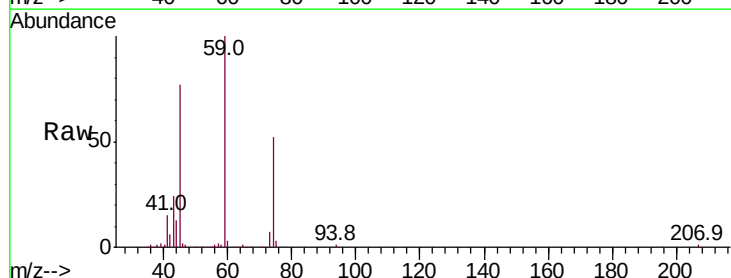
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



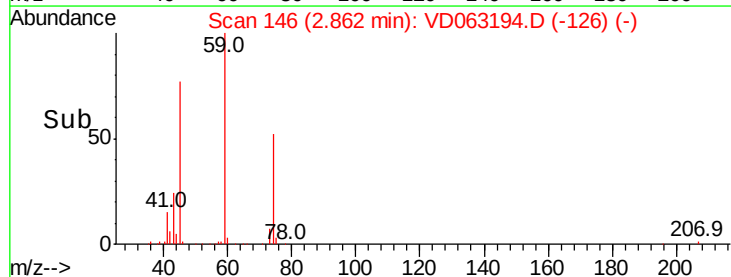
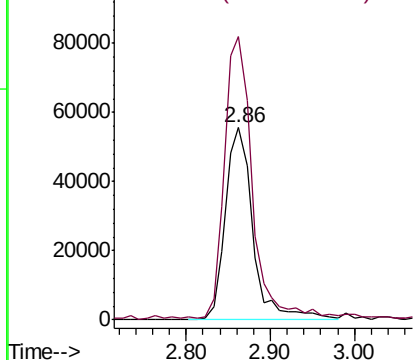
#8

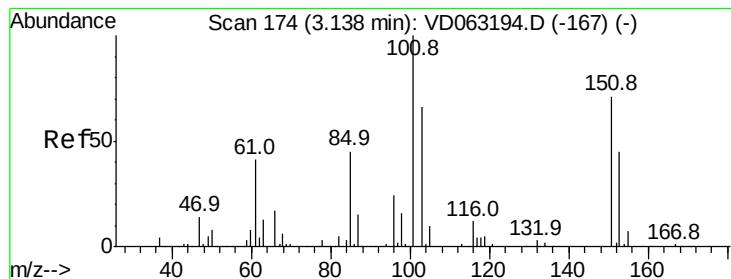
Diethyl Ether
Concen: 46.351 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion: 74 Resp: 126869
Ion Ratio Lower Upper
74 100
45 147.2 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: 44.548 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

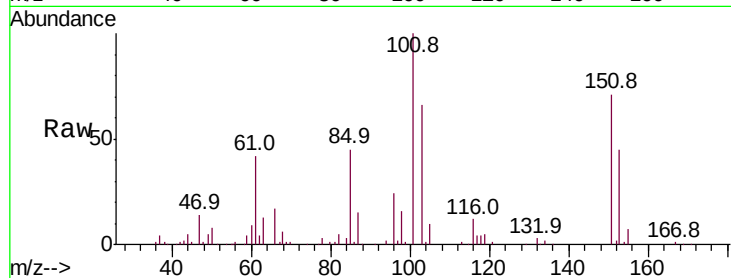
Tot Ion:101 Resp: 482613

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

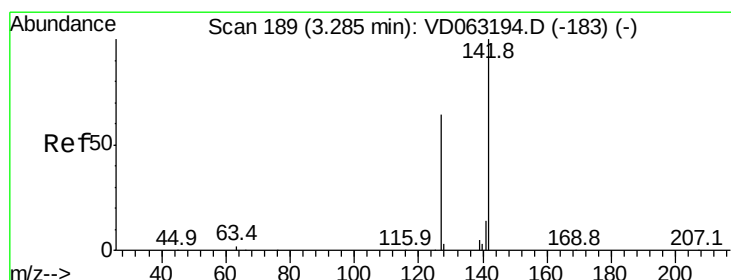
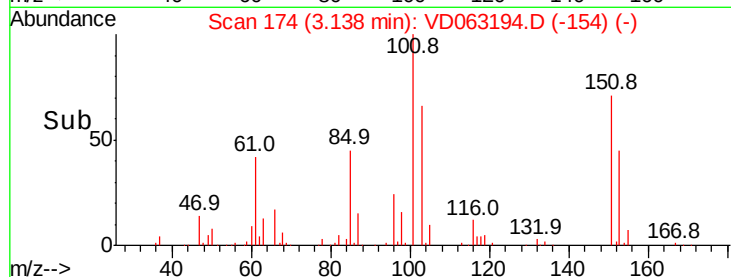
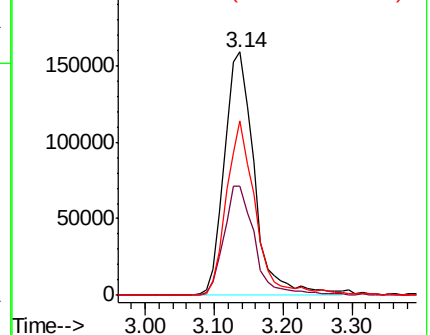
151 71.4 57.1 85.7



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: 52.495 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

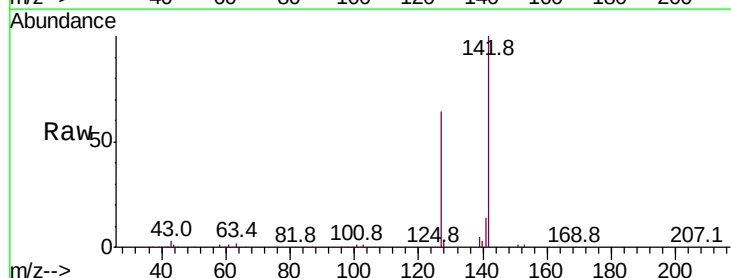
Tgt Ion:142 Resp: 821572

Ion Ratio Lower Upper

142 100

127 63.5 50.8 76.2

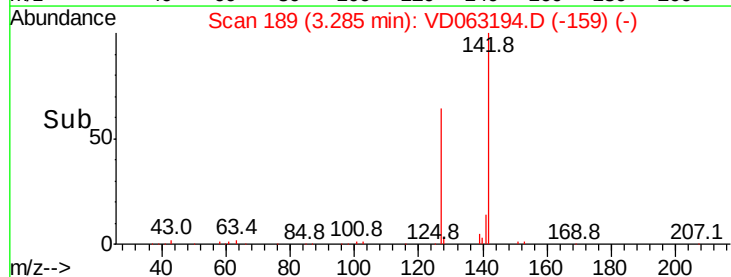
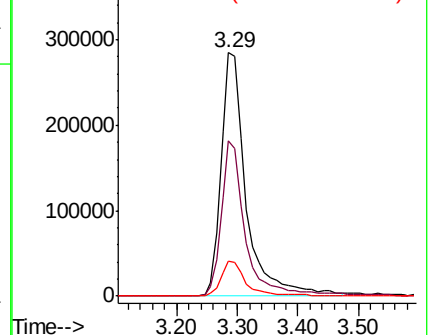
141 14.3 11.4 17.2

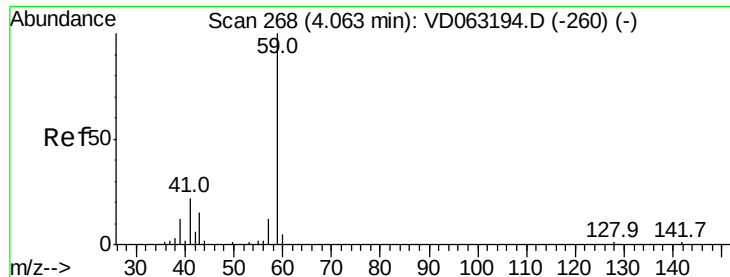


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



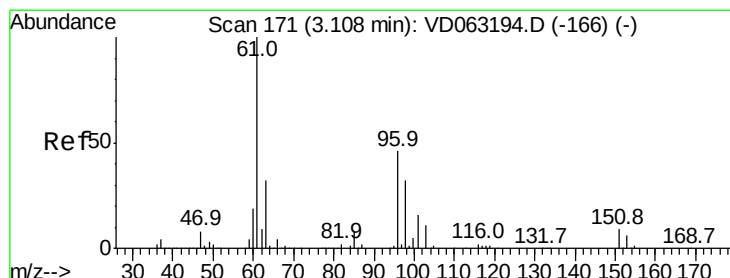
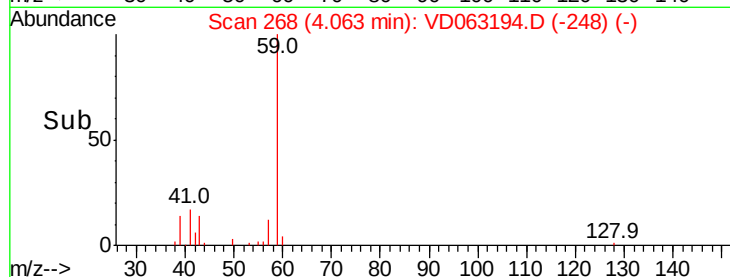
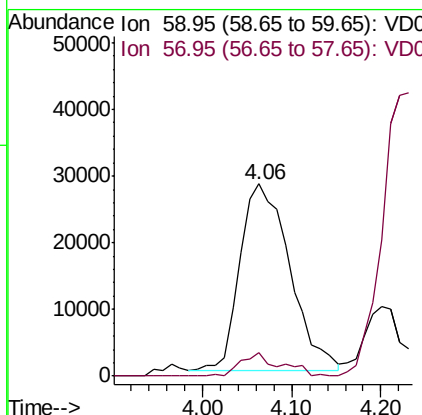
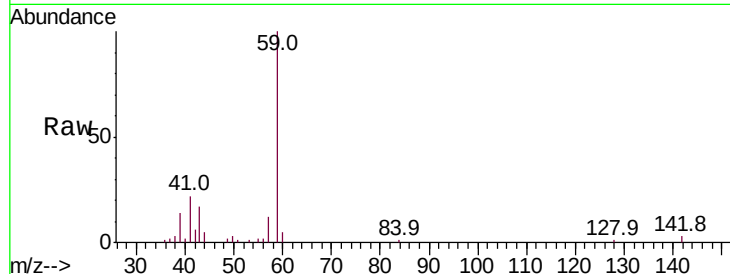


#11

Tert butyl alcohol
 Concen: 215.807 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

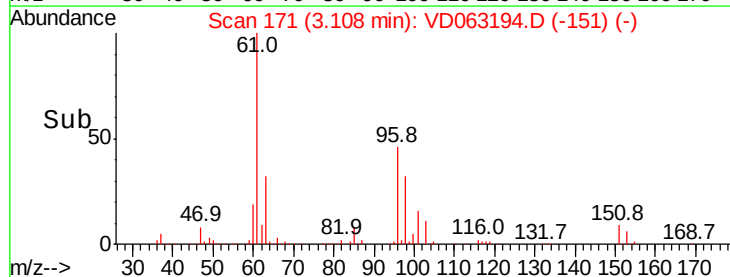
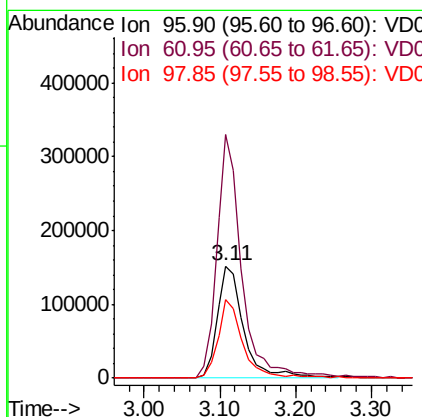
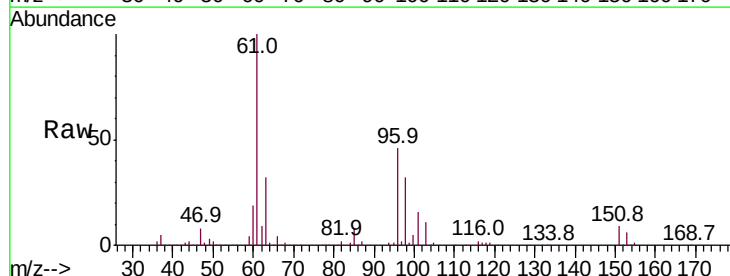
Tot Ion: 59 Resp: 108364
 Ion Ratio Lower Upper
 59 100
 57 12.0 9.6 14.4

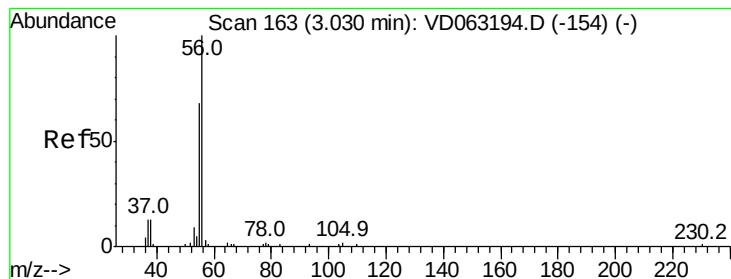


#12

1,1-Dichloroethene
 Concen: 46.499 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion: 96 Resp: 369820
 Ion Ratio Lower Upper
 96 100
 61 217.1 173.7 260.5
 98 69.8 55.8 83.8





#13

Acrolein

Concen: 219.393 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

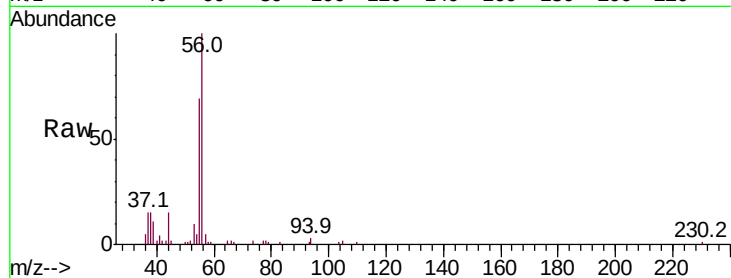
VSTDICCC050

Tot Ion: 56 Resp: 105426

Ion Ratio Lower Upper

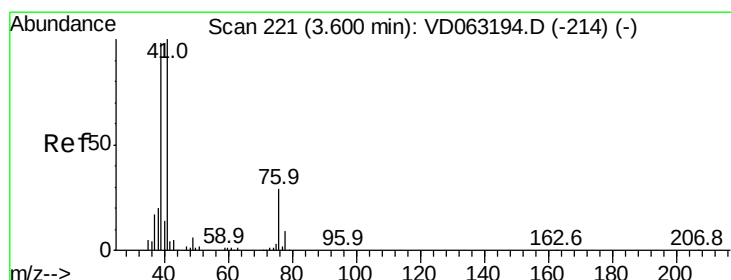
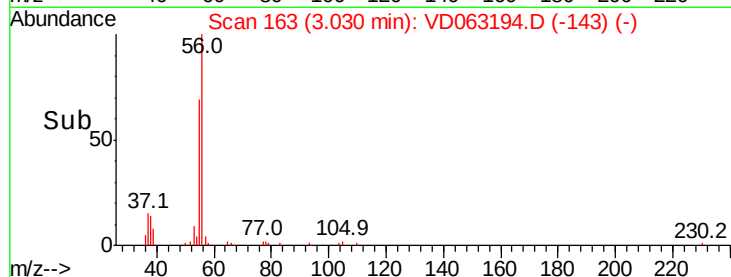
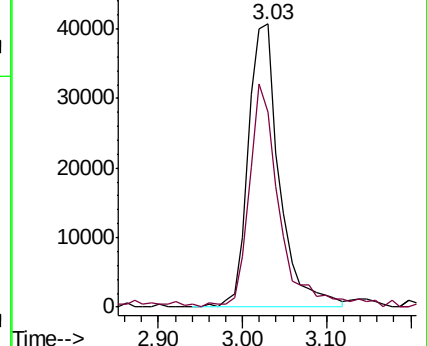
56 100

55 69.1 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.570 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

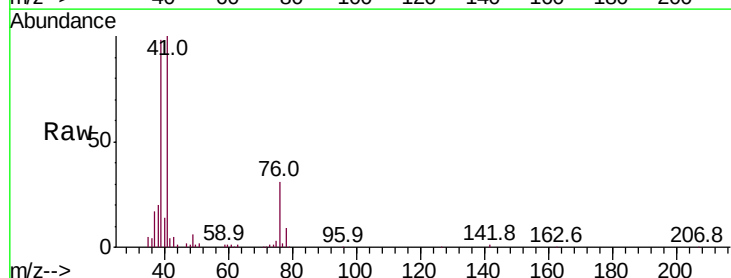
Tgt Ion: 41 Resp: 628298

Ion Ratio Lower Upper

41 100

39 98.2 78.6 117.8

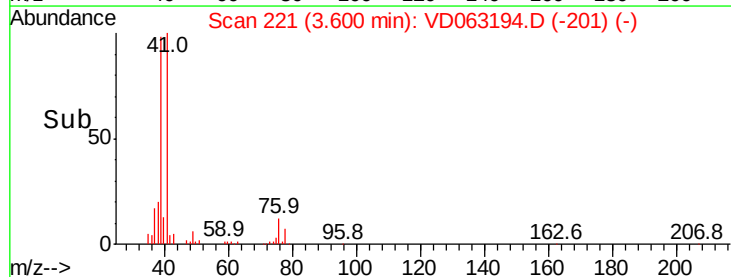
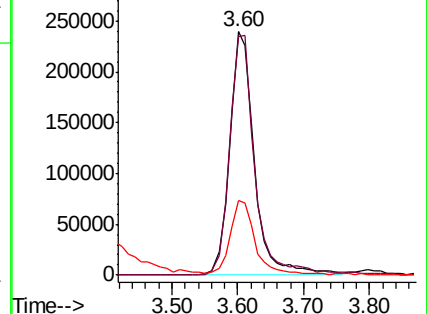
76 30.6 24.5 36.7

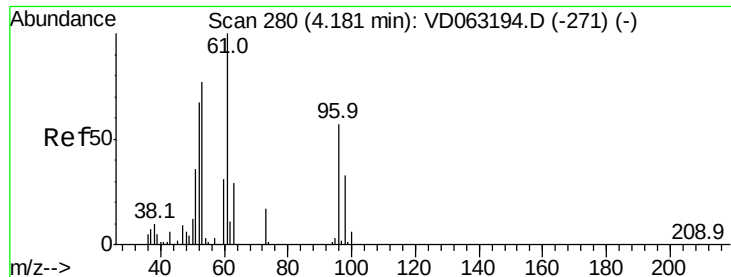


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 224.951 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

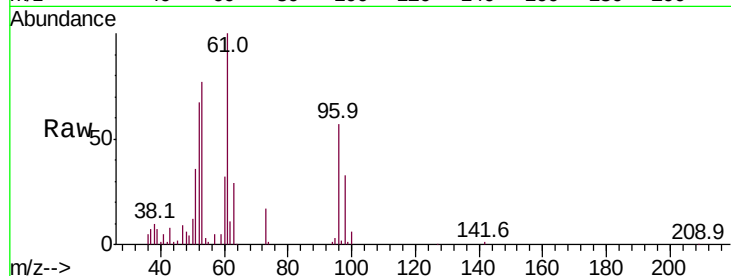
Tot Ion: 53 Resp: 291198

Ion Ratio Lower Upper

53 100

52 87.1 69.7 104.5

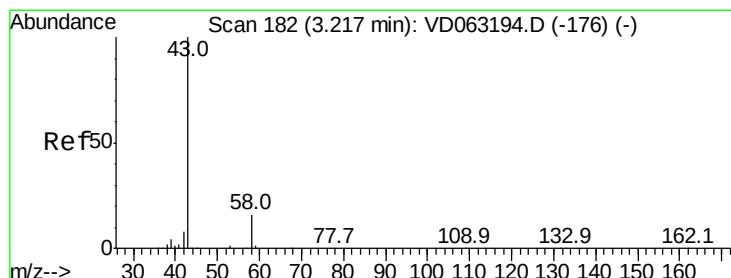
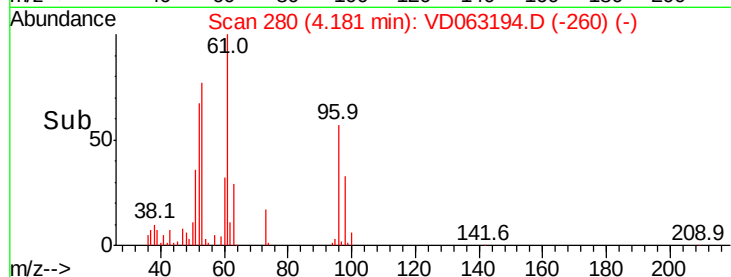
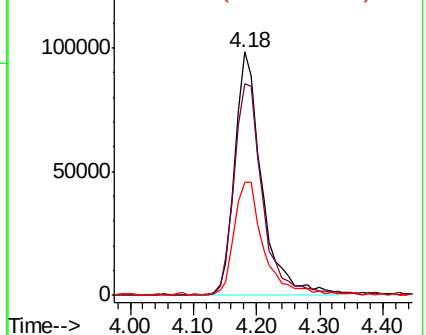
51 46.7 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 244.683 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063194.D

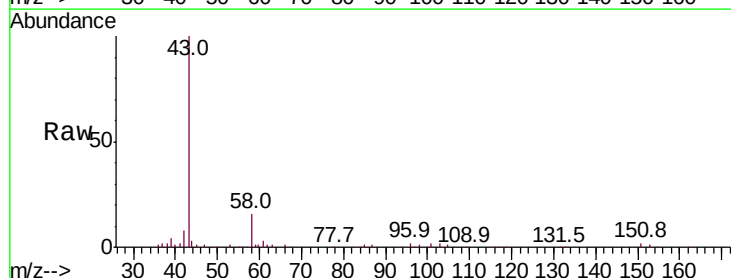
Acq: 29 Jul 2019 12:36

Tgt Ion: 43 Resp: 542416

Ion Ratio Lower Upper

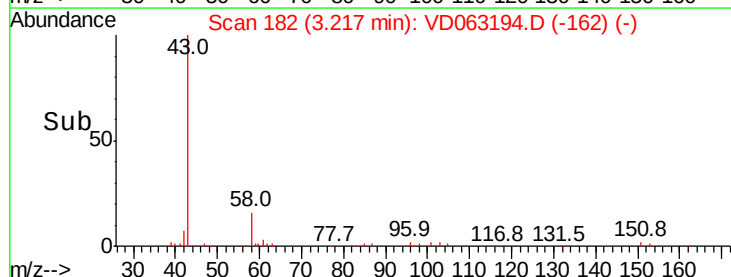
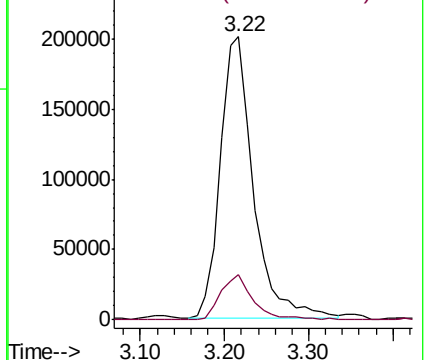
43 100

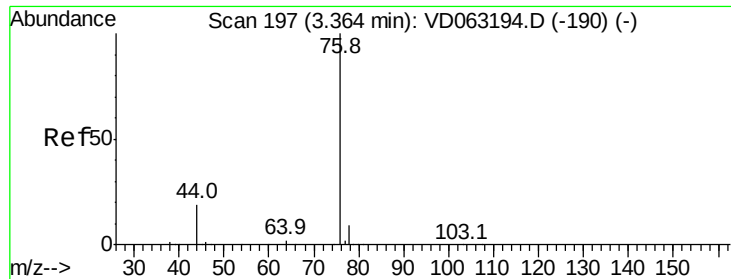
58 16.2 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.758 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

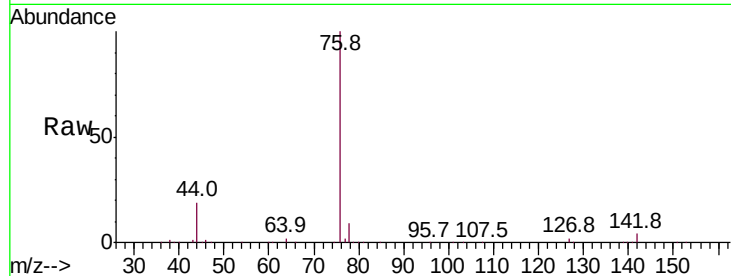
VSTDICCC050

Tot Ion: 76 Resp: 1297956

Ion Ratio Lower Upper

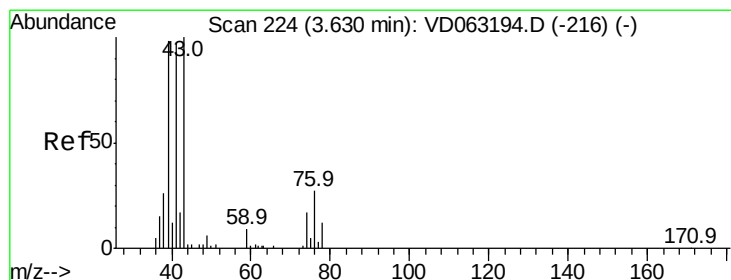
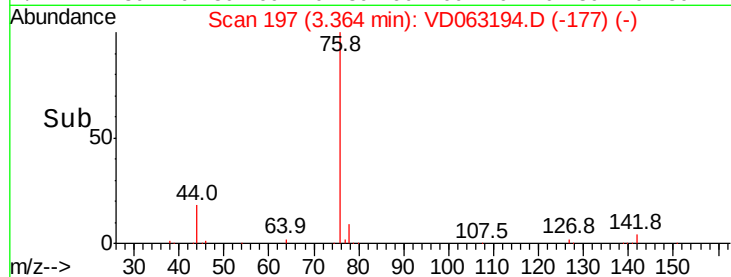
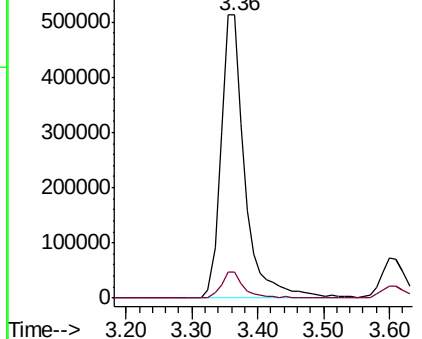
76 100

78 9.3 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: 43.671 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063194.D

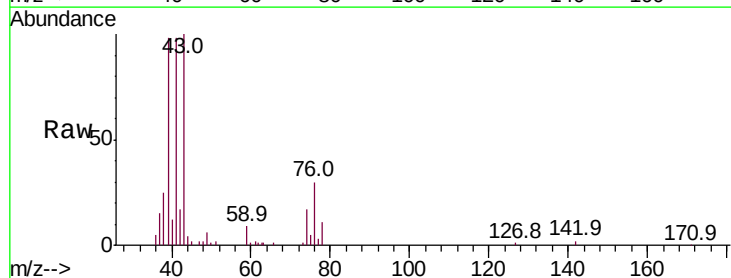
Acq: 29 Jul 2019 12:36

Tgt Ion: 43 Resp: 185958

Ion Ratio Lower Upper

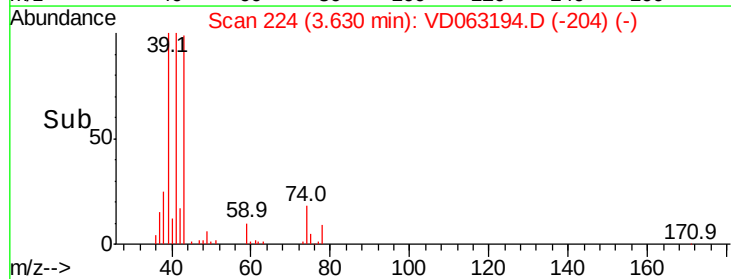
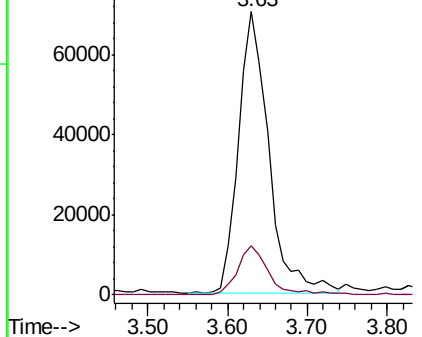
43 100

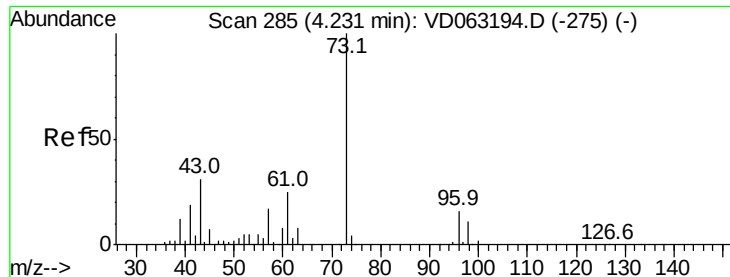
74 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



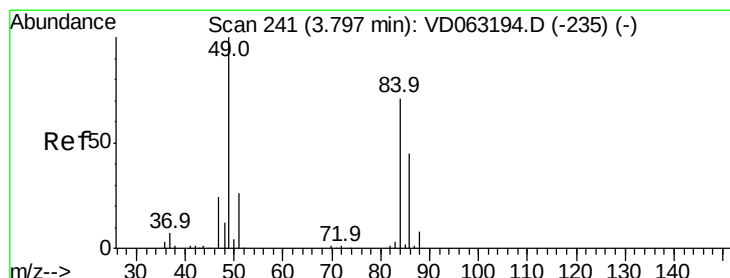
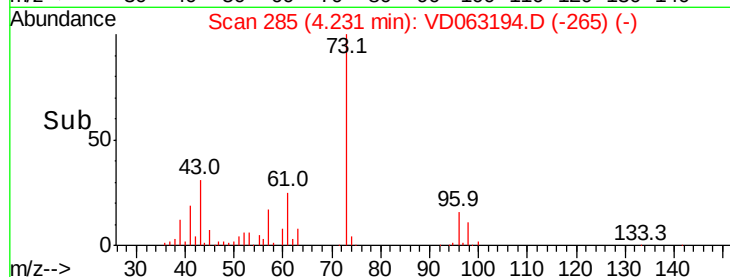
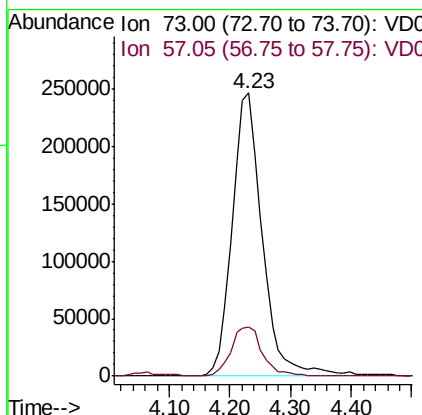
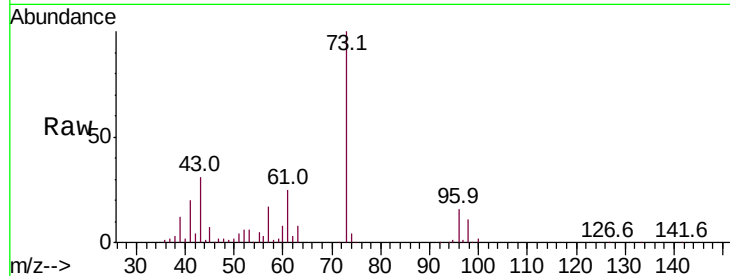


#19

Methyl tert-butyl Ether
 Concen: 47.193 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

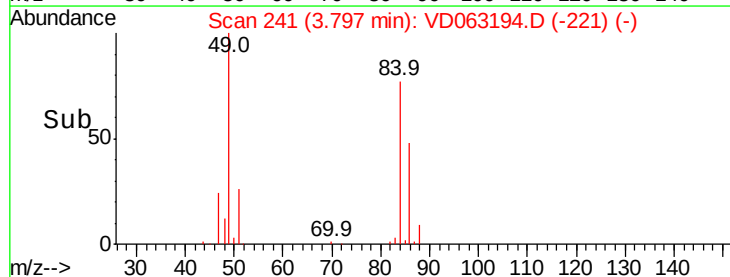
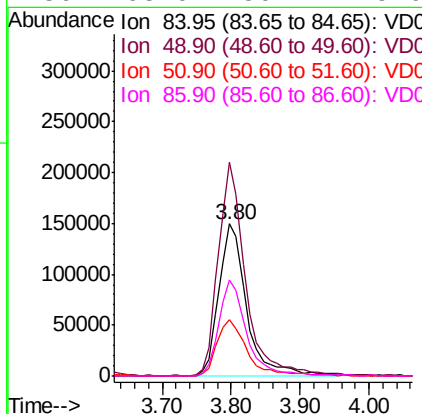
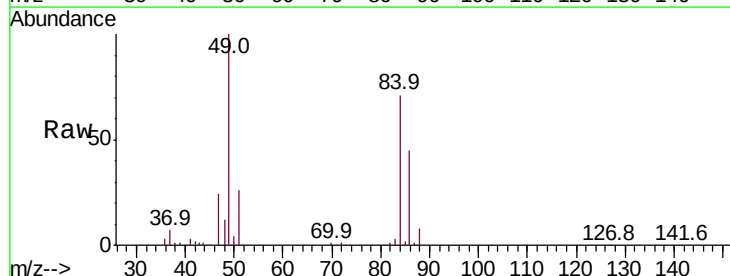
Tot Ion: 73 Resp: 847841
 Ion Ratio Lower Upper
 73 100
 57 17.2 13.8 20.6

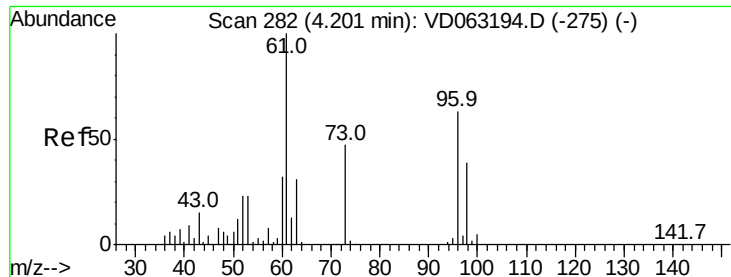


#20

Methylene Chloride
 Concen: 46.838 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion: 84 Resp: 419694
 Ion Ratio Lower Upper
 84 100
 49 140.6 112.5 168.7
 51 37.0 29.6 44.4
 86 63.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 46.736 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

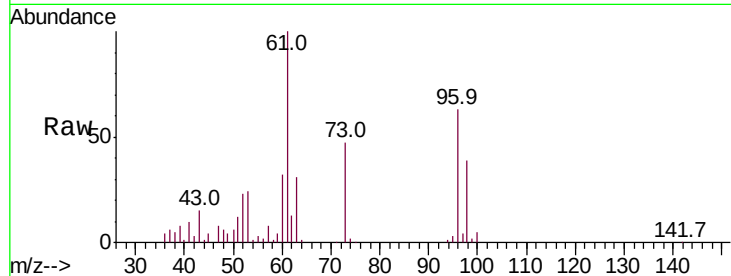
Tot Ion: 96 Resp: 417072

Ion Ratio Lower Upper

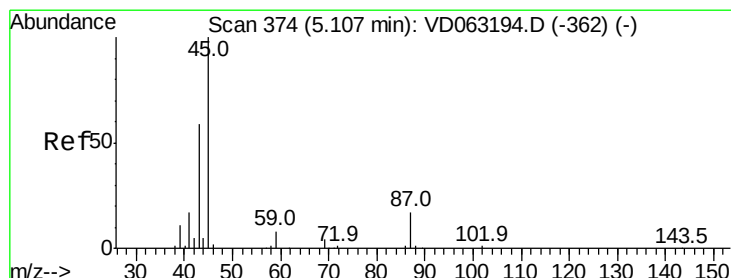
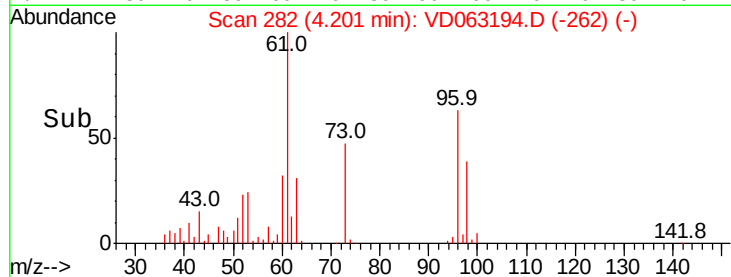
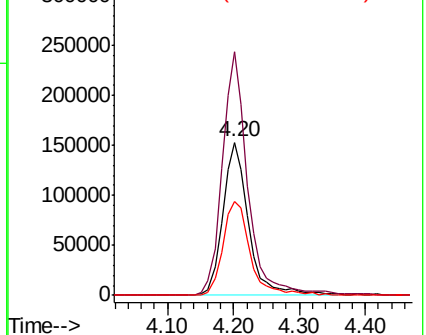
96 100

61 159.3 127.4 191.2

98 61.6 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: 48.329 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Tgt Ion: 45 Resp: 1224563

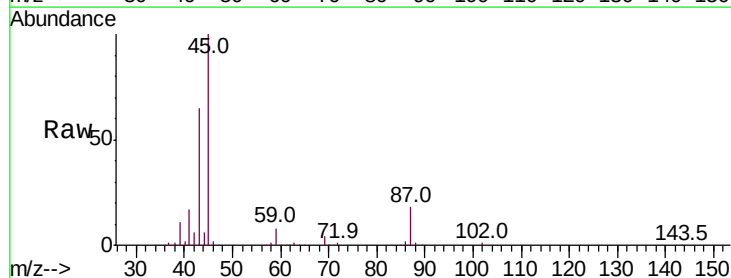
Ion Ratio Lower Upper

45 100

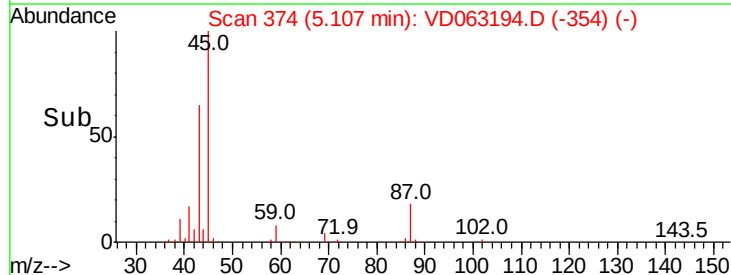
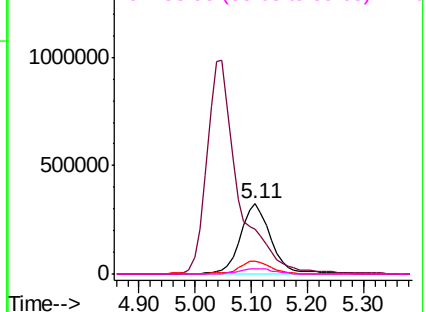
43 64.6 51.7 77.5

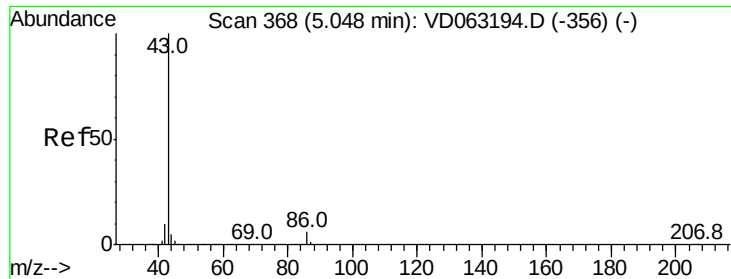
87 18.2 14.6 21.8

59 8.3 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: 245.082 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

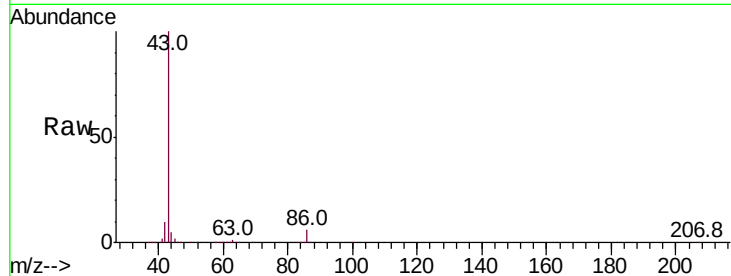
VSTDICCC050

Tot Ion: 43 Resp: 3813474

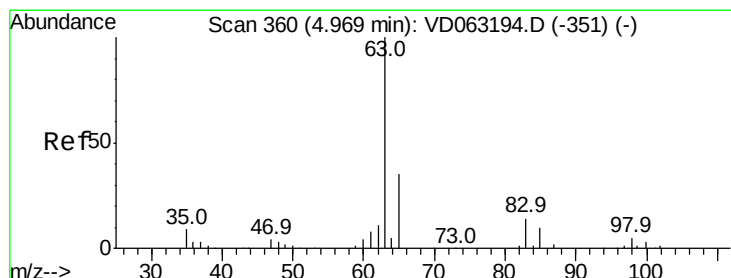
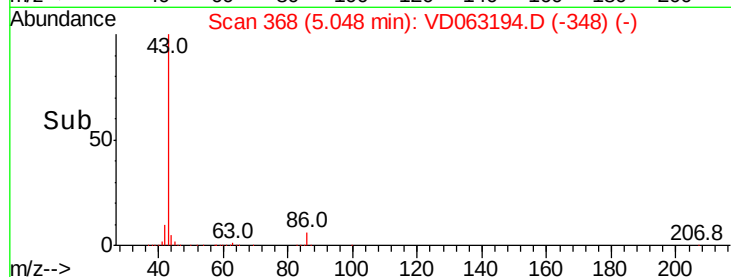
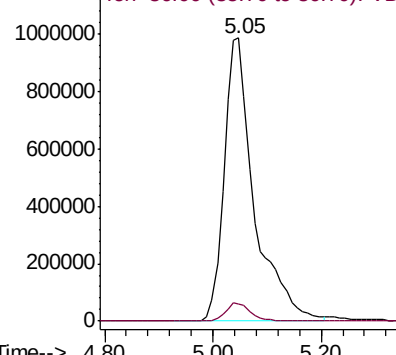
Ion Ratio Lower Upper

43 100

86 6.1 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.367 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

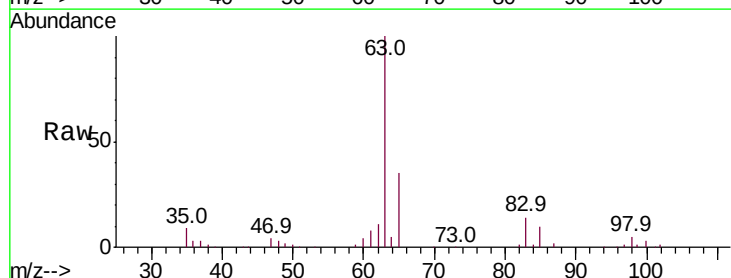
Tgt Ion: 63 Resp: 782031

Ion Ratio Lower Upper

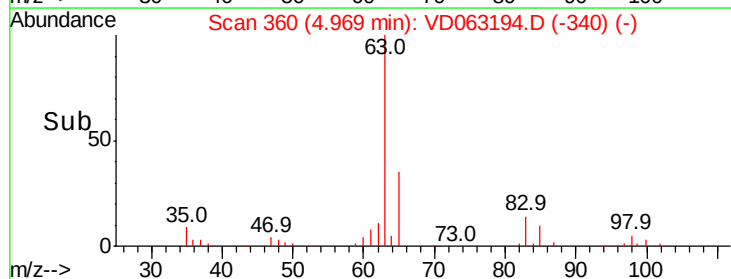
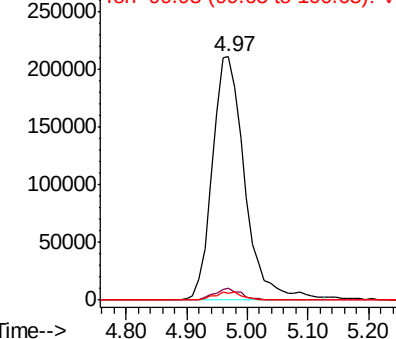
63 100

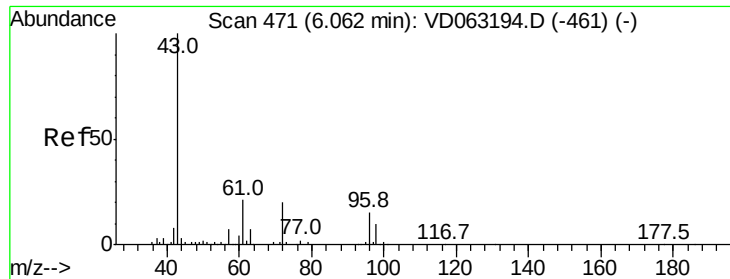
98 5.6 2.8 8.4

100 2.6 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: 246.307 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

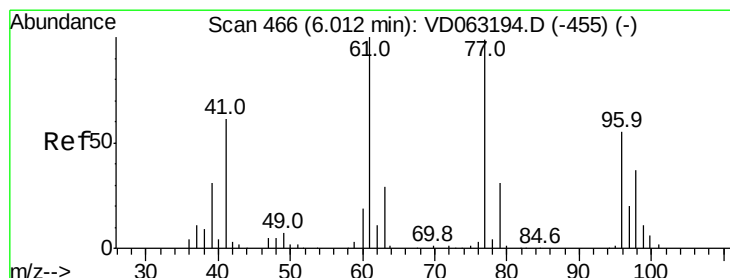
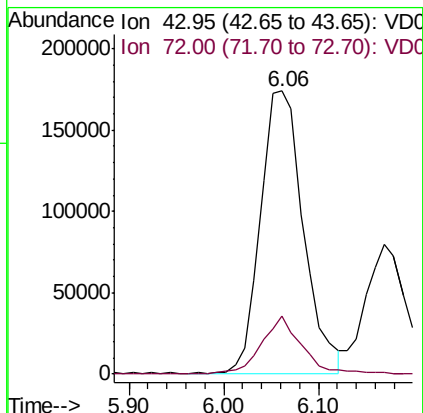
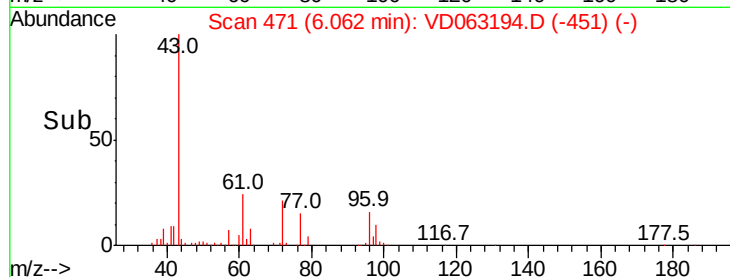
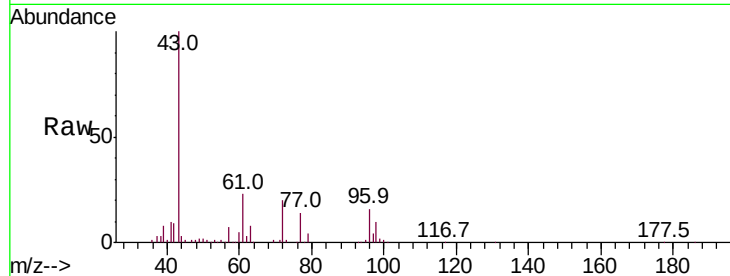
VSTDICCC050

Tot Ion: 43 Resp: 547973

Ion Ratio Lower Upper

43 100

72 20.4 16.3 24.5



#26

2,2-Dichloropropane

Concen: 50.232 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063194.D

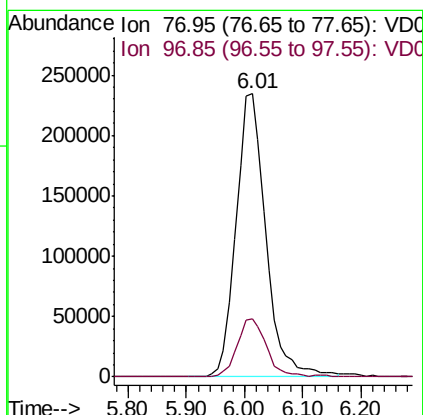
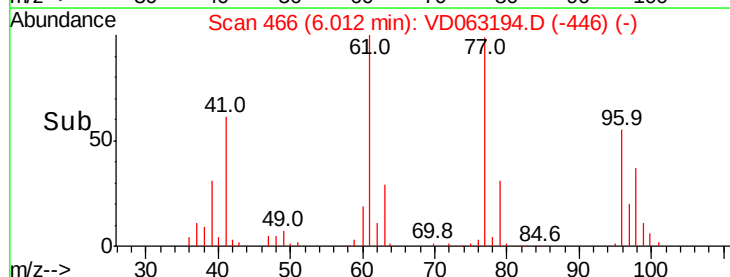
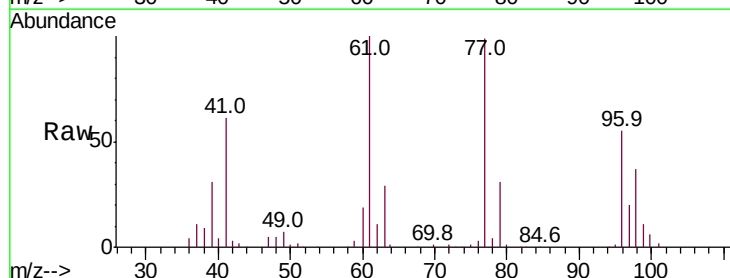
Acq: 29 Jul 2019 12:36

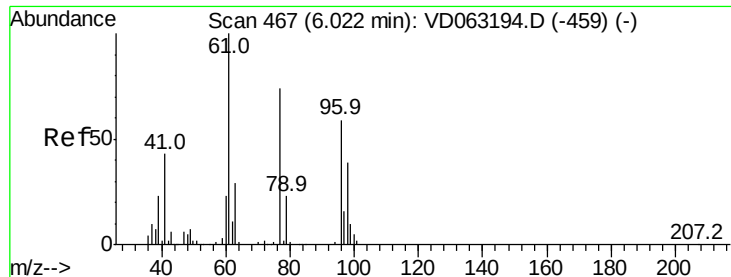
Tgt Ion: 77 Resp: 836999

Ion Ratio Lower Upper

77 100

97 20.4 10.2 30.6



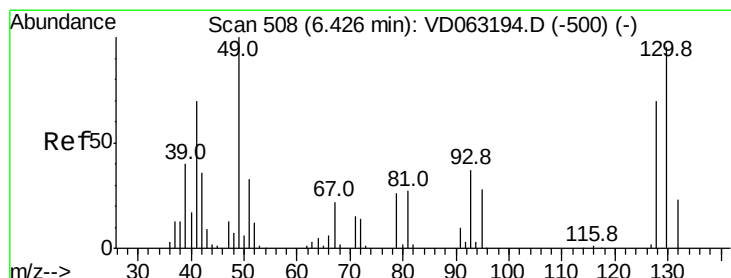
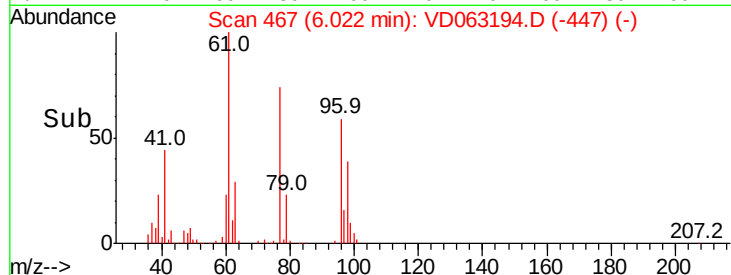
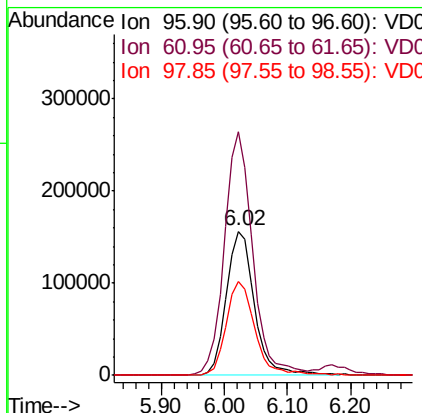
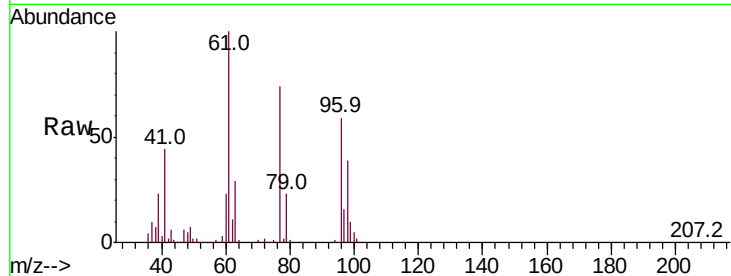


#27

cis-1,2-Dichloroethene
Concen: 50.407 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

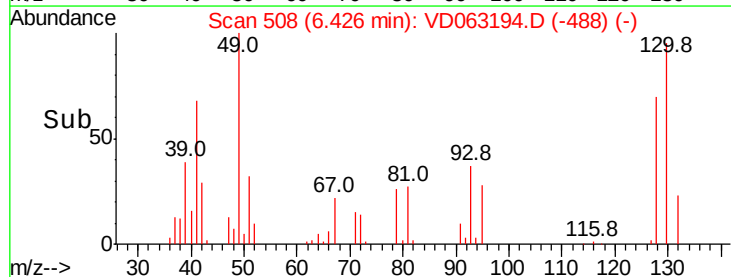
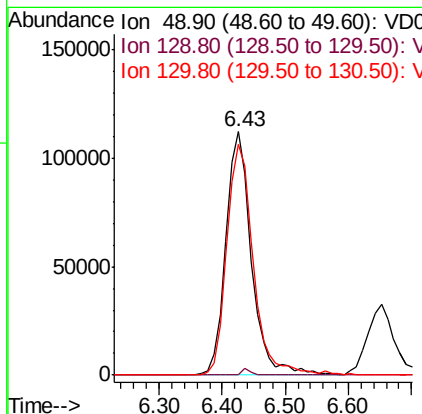
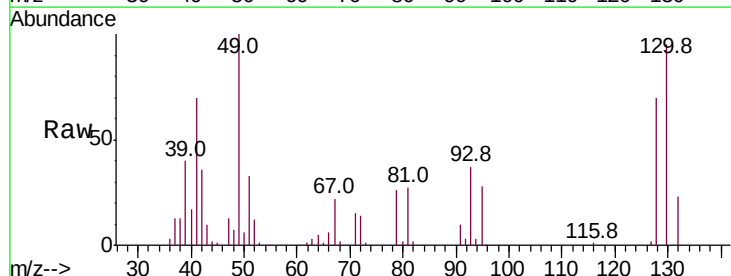
Tot Ion	Ratio	Lower	Upper
96	100		
61	168.6	0.0	337.2
98	65.3	0.0	130.6

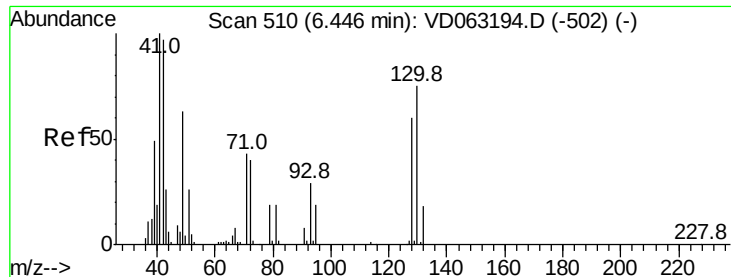


#28

Bromochloromethane
Concen: 48.834 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	94.6	75.7	113.5





#29

Tetrahydrofuran

Concen: 235.598 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

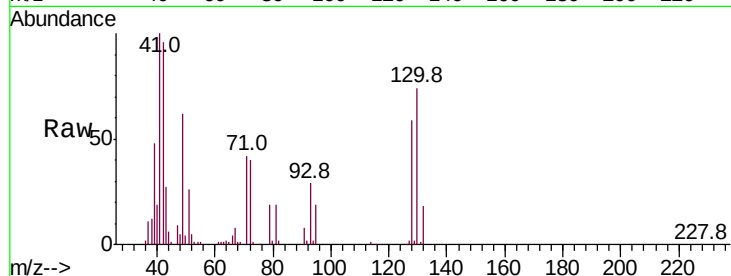
Tot Ion: 42 Resp: 248158

Ion Ratio Lower Upper

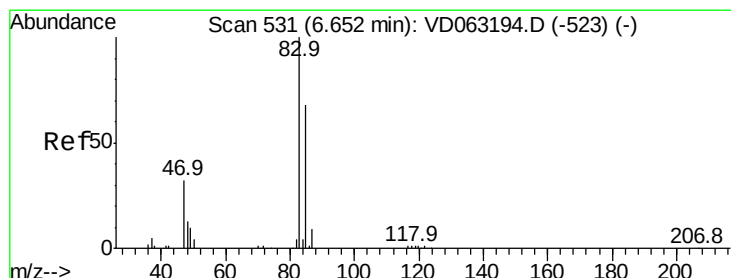
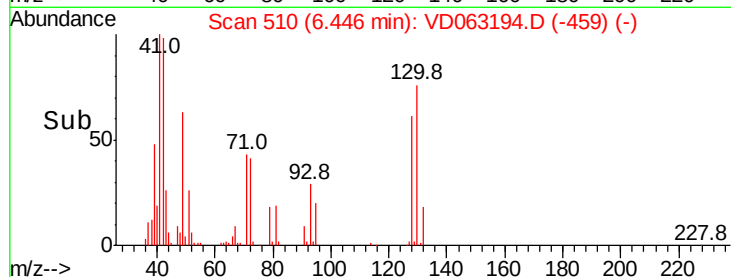
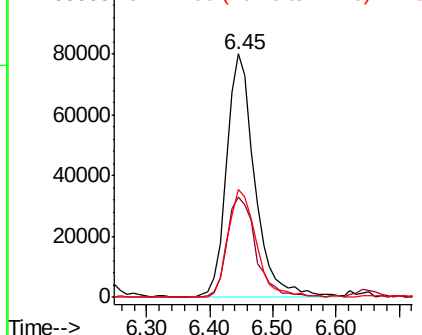
42 100

72 41.8 33.4 50.2

71 44.6 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: 47.816 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063194.D

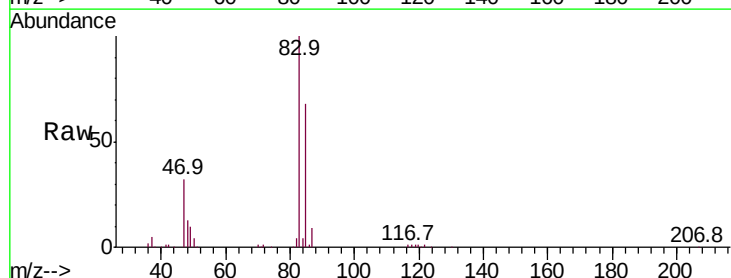
Acq: 29 Jul 2019 12:36

Tgt Ion: 83 Resp: 959468

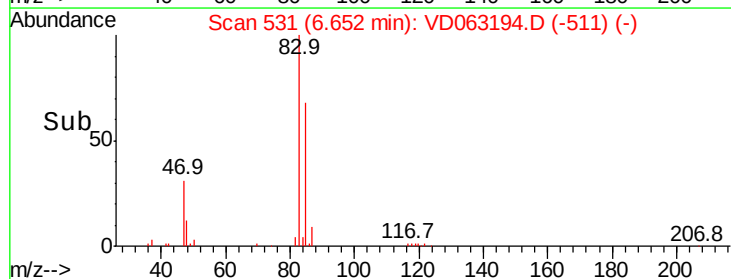
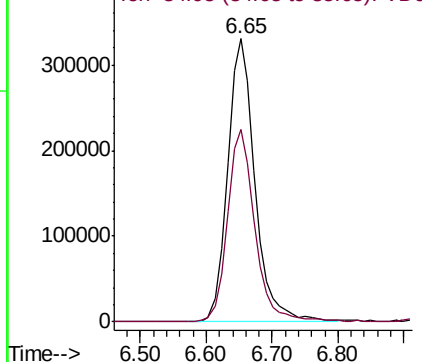
Ion Ratio Lower Upper

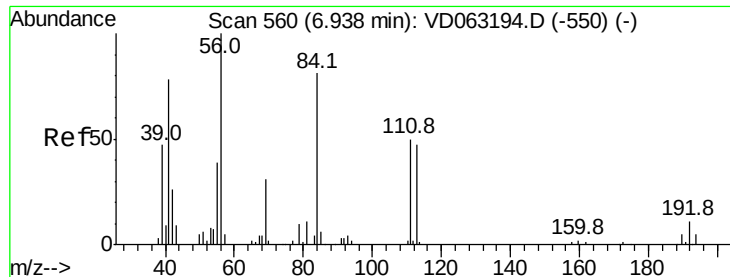
83 100

85 67.8 54.2 81.4



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

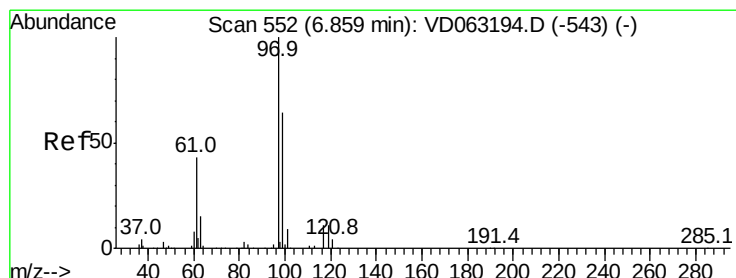
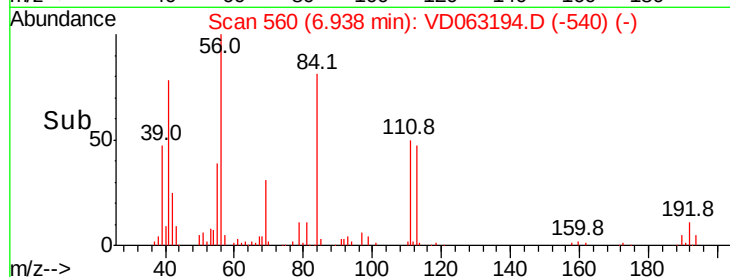
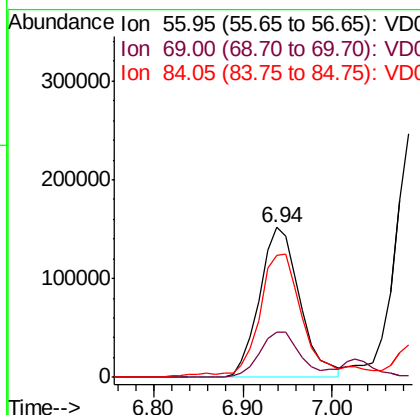
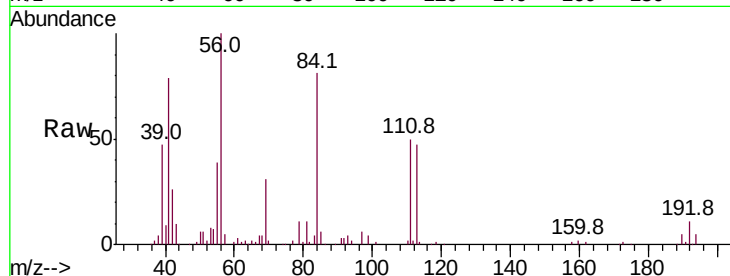




#31
Cyclohexane
Concen: 47.006 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

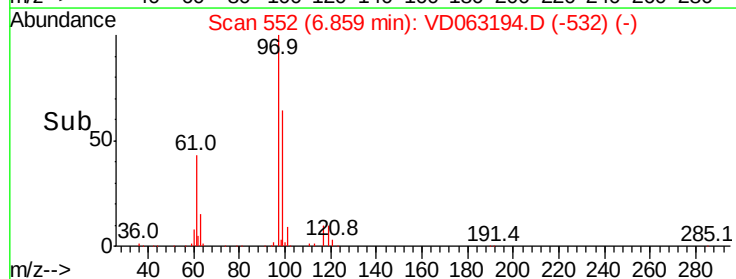
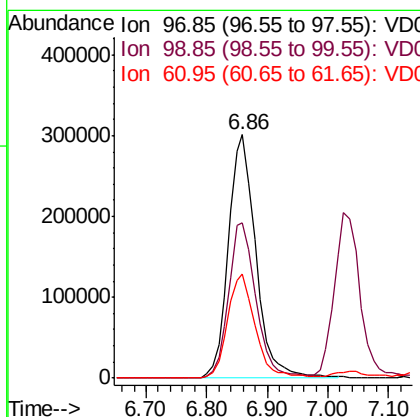
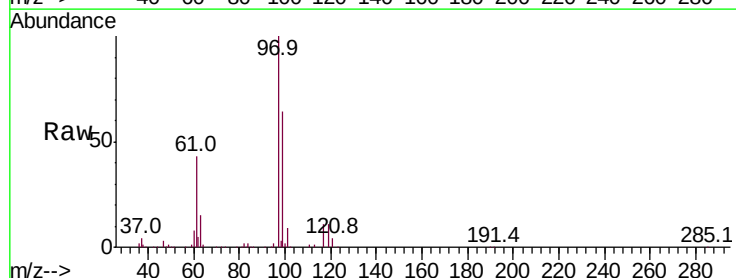
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

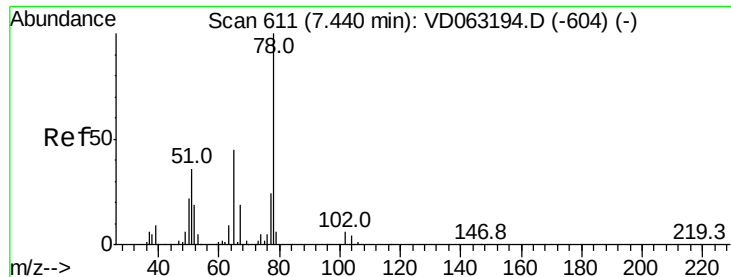
Tot Ion: 56 Resp: 476398
Ion Ratio Lower Upper
56 100
69 30.6 24.5 36.7
84 81.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 48.647 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion: 97 Resp: 944186
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 42.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 52.599 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

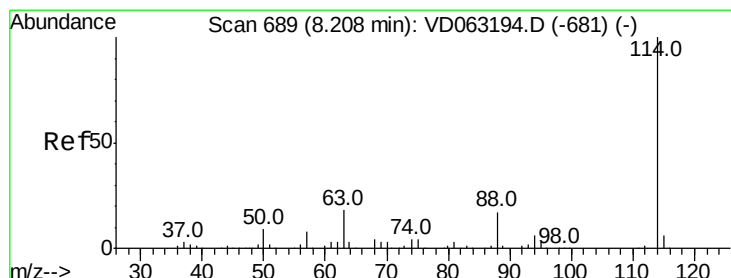
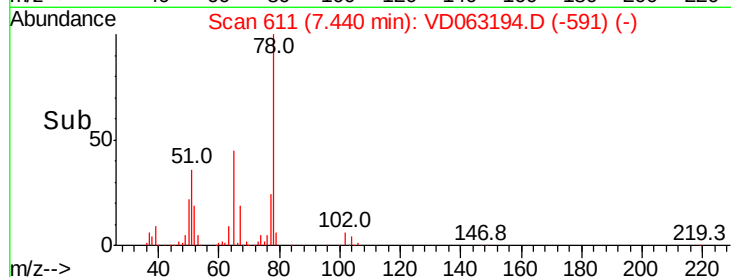
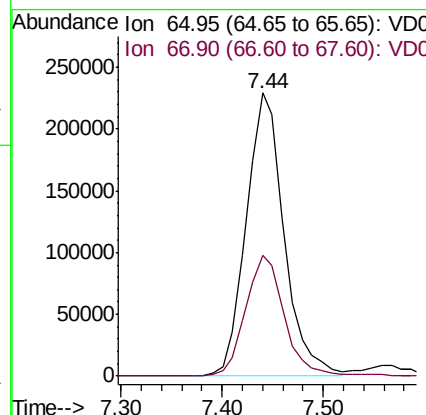
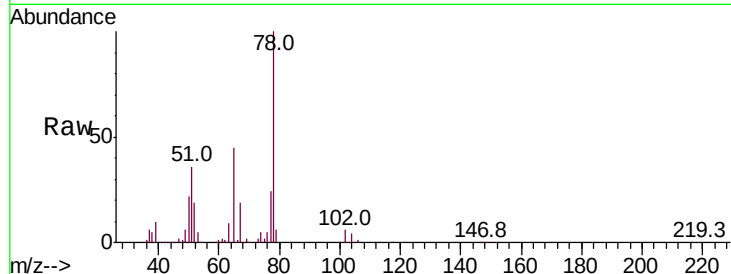
Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 65 Resp: 598456

Ion	Ratio	Lower	Upper
65	100		
67	42.9	0.0	85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

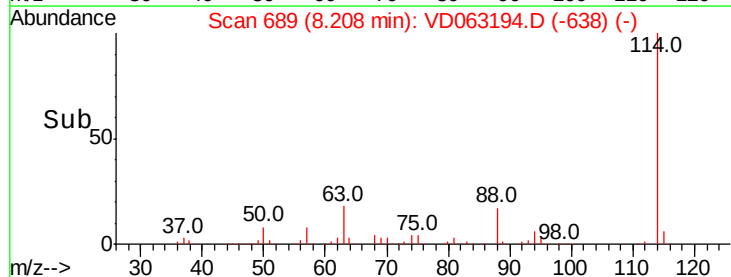
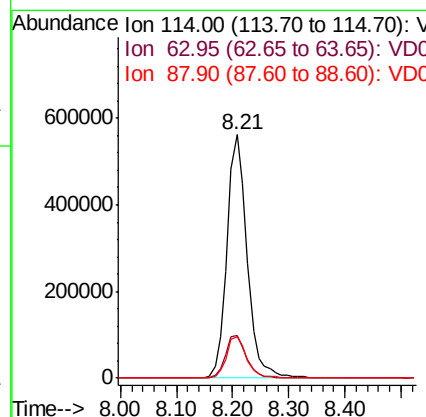
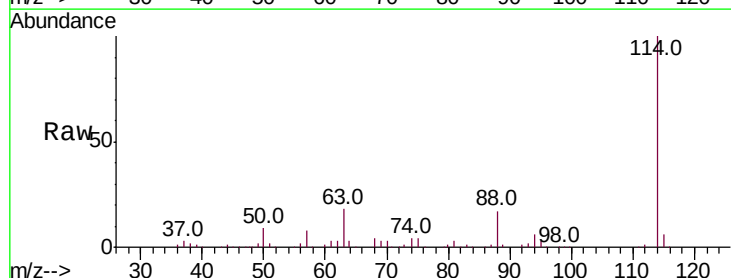
Delta R.T. 0.00 min

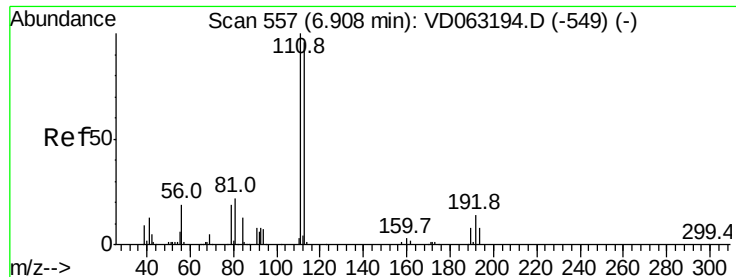
Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Tgt Ion: 114 Resp: 1406824

Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	35.2
88	17.3	0.0	34.6





#35

Dibromofluoromethane

Concen: 50.234 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

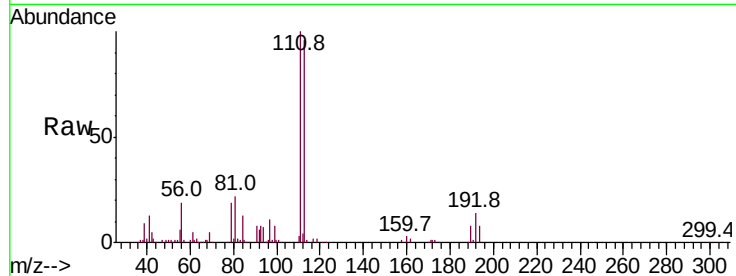
Tot Ion:113 Resp: 603378

Ion Ratio Lower Upper

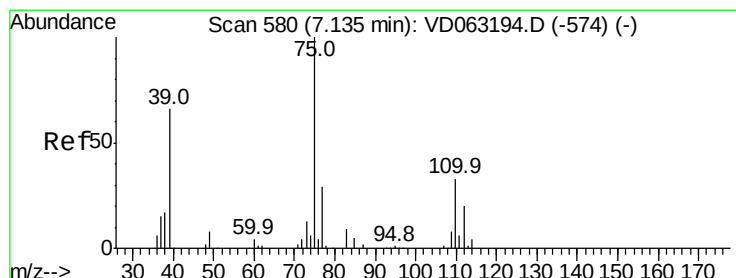
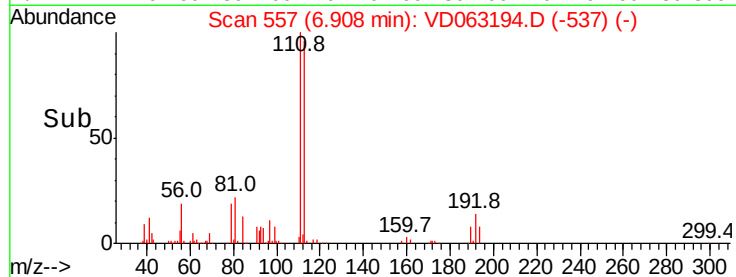
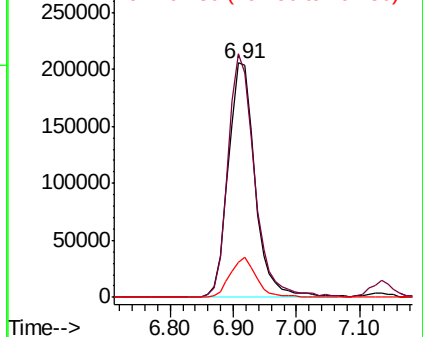
113 100

111 104.0 83.2 124.8

192 14.8 11.8 17.8



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



#36

1,1-Dichloropropene

Concen: 50.945 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

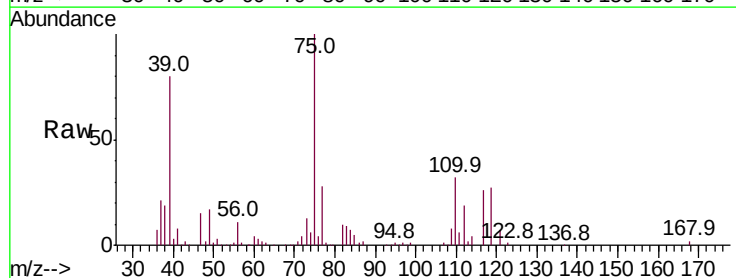
Tgt Ion: 75 Resp: 654081

Ion Ratio Lower Upper

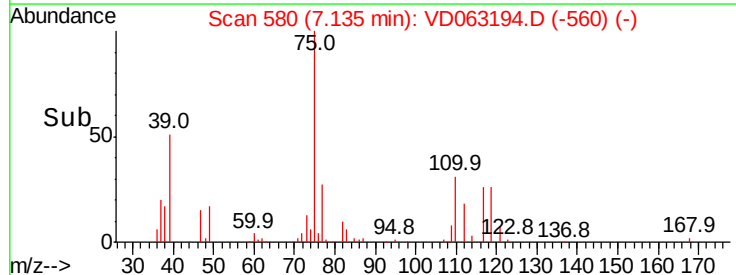
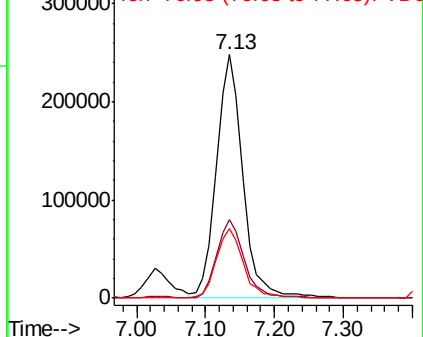
75 100

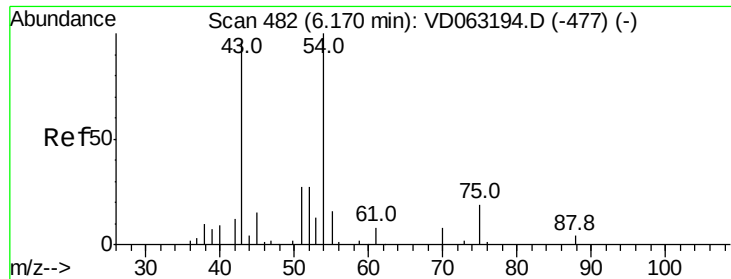
110 32.1 16.1 48.2

77 28.4 22.7 34.1



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

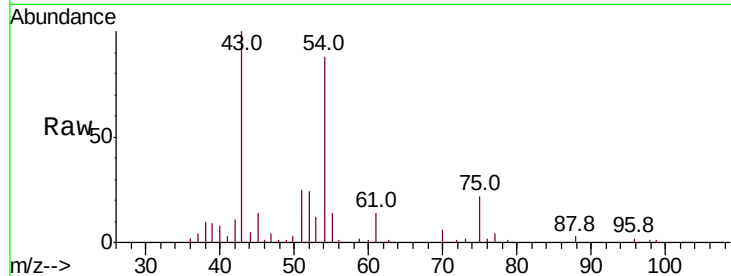




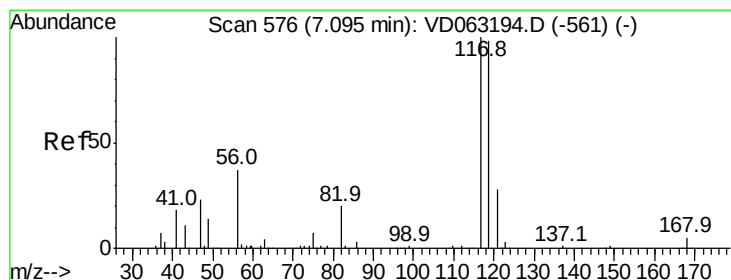
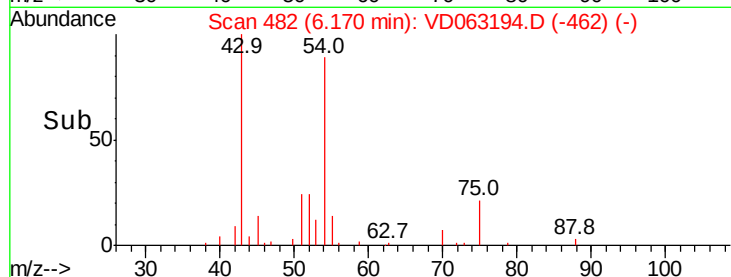
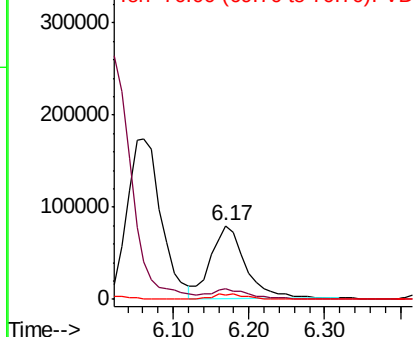
#37
Ethyl Acetate
Concen: 43.472 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 250234
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 6.4 5.1 7.7

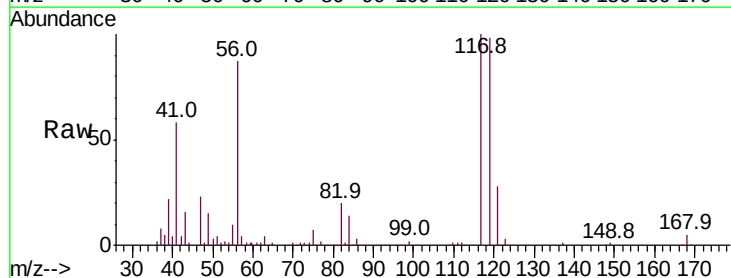


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

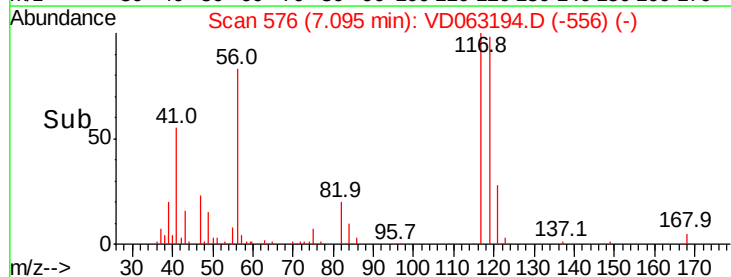
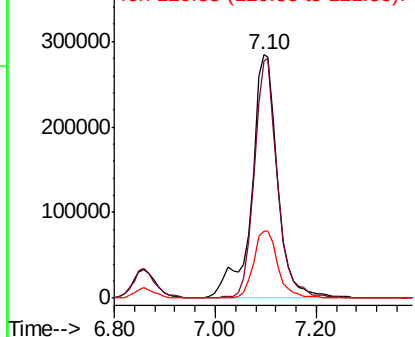


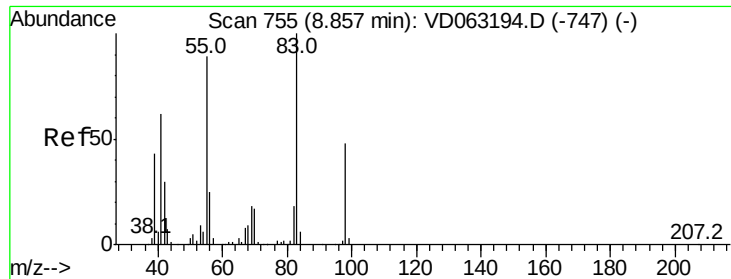
#38
Carbon Tetrachloride
Concen: 52.738 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion: 117 Resp: 1019354
Ion Ratio Lower Upper
117 100
119 97.7 78.2 117.2
121 27.6 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

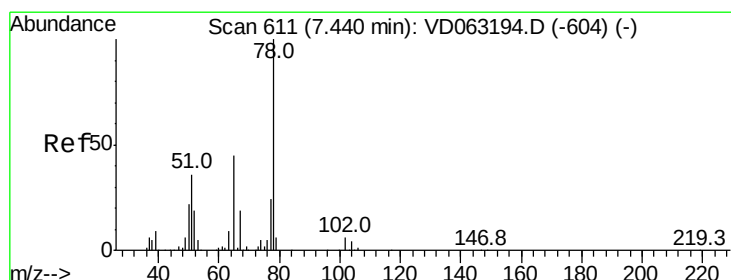
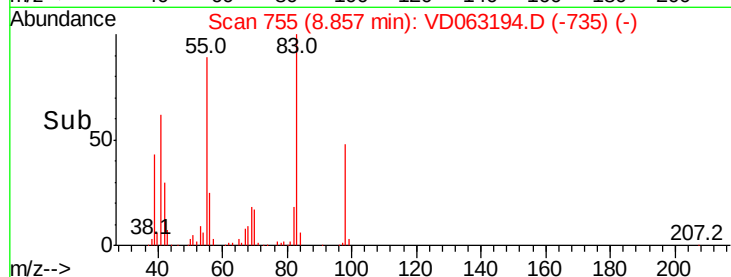
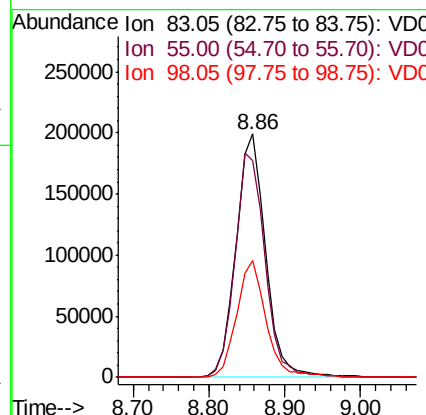
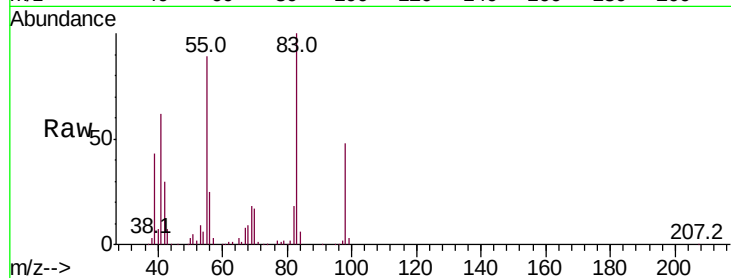




#39
Methylvlcyclohexane
Concen: 49.975 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

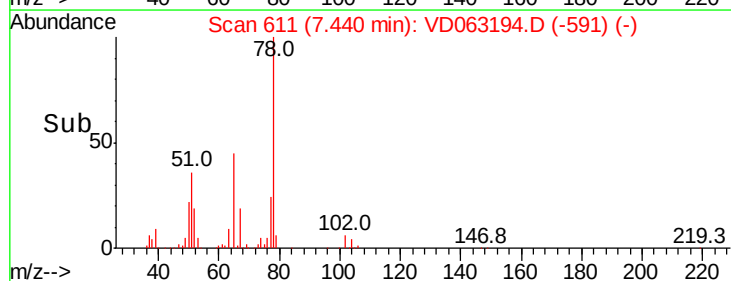
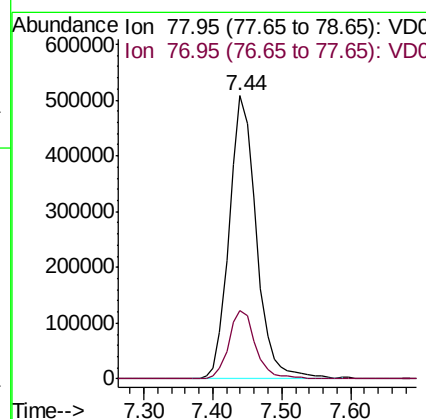
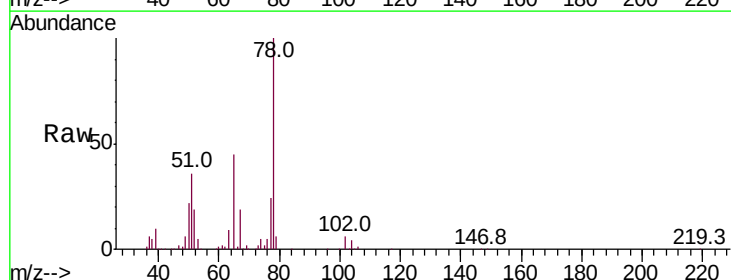
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

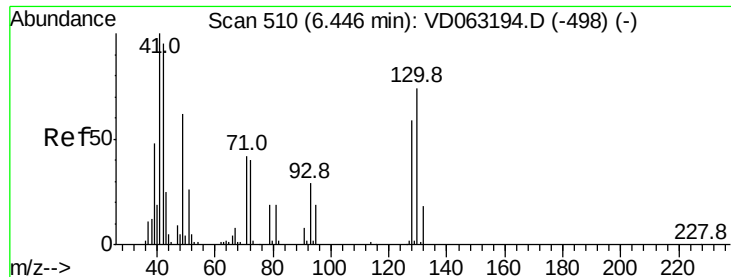
Tot Ion: 83 Resp: 534591
Ion Ratio Lower Upper
83 100
55 88.9 71.1 106.7
98 48.1 38.5 57.7



#40
Benzene
Concen: 51.631 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion: 78 Resp: 1389302
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2

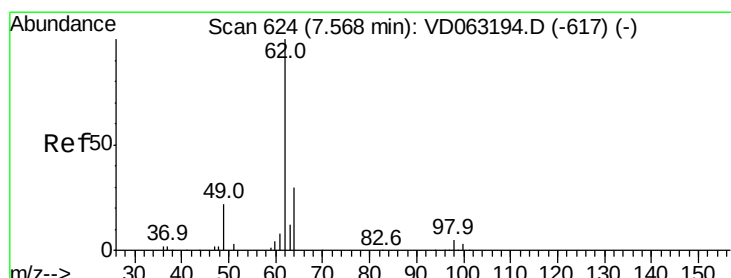
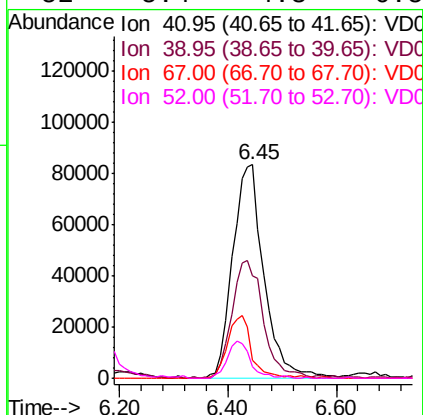
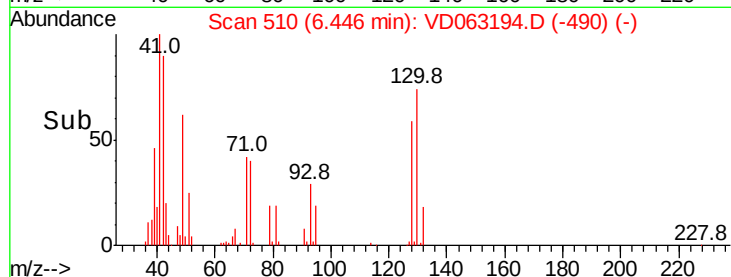
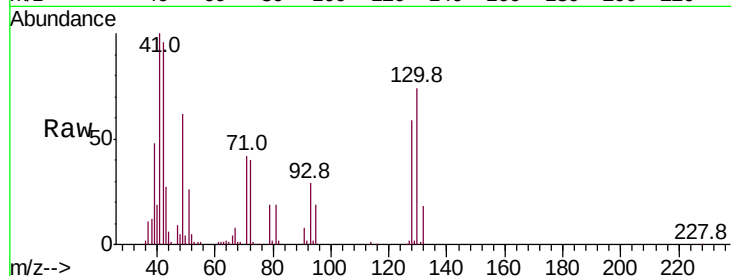




#41
Methacrylonitrile
Concen: 48.629 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

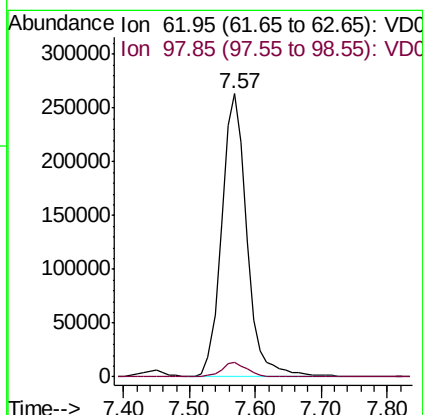
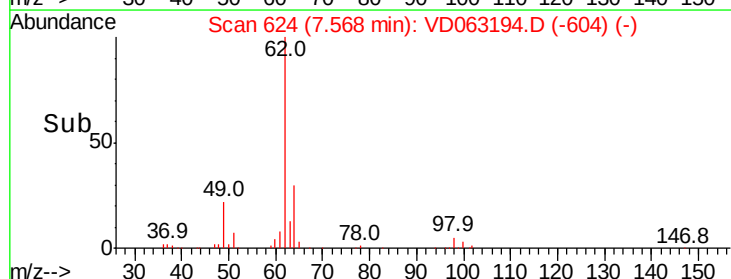
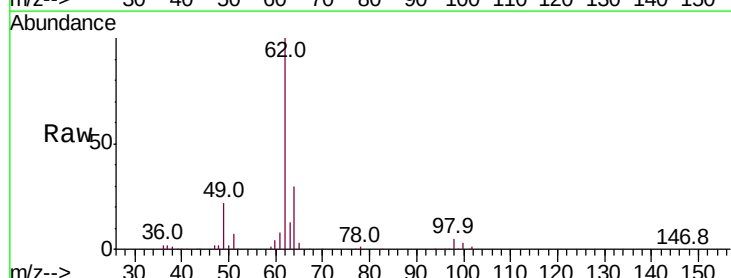
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

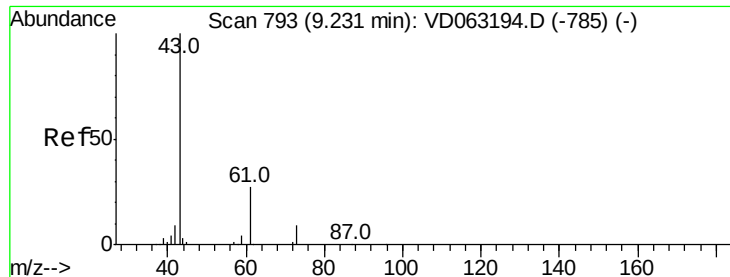
Tot Ion:	41	Resp:	335531
Ion	Ratio	Lower	Upper
41	100		
39	48.0	38.4	57.6
67	8.4	6.7	10.1
52	5.4	4.3	6.5



#42
1,2-Dichloroethane
Concen: 49.566 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion:	62	Resp:	706854
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	9.8





#43

Isopropyl Acetate

Concen: 48.187 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

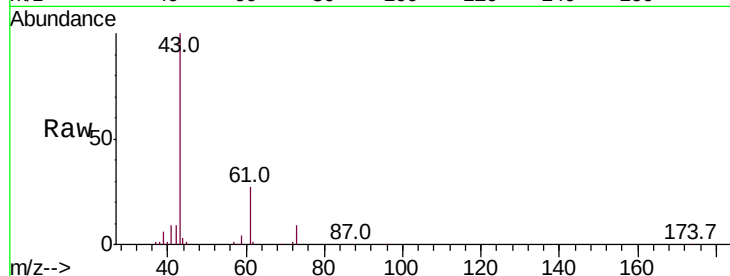
Tot Ion: 43 Resp: 355045

Ion Ratio Lower Upper

43 100

61 26.7 21.4 32.0

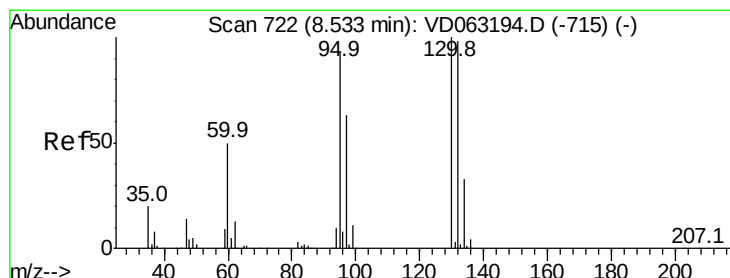
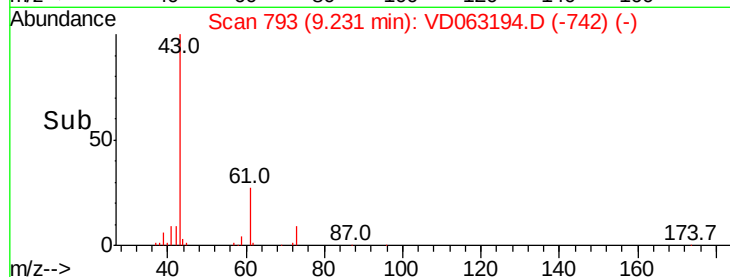
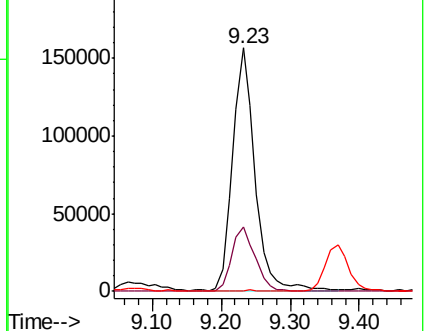
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.366 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063194.D

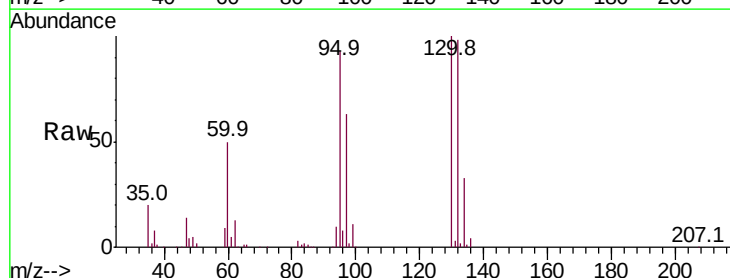
Acq: 29 Jul 2019 12:36

Tgt Ion:130 Resp: 538267

Ion Ratio Lower Upper

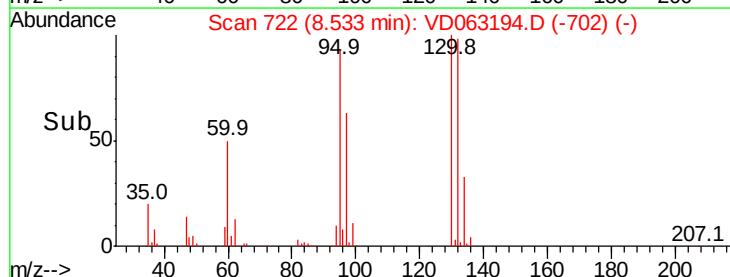
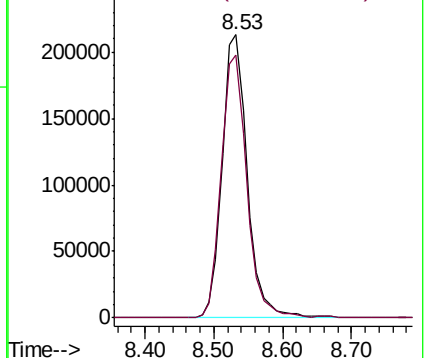
130 100

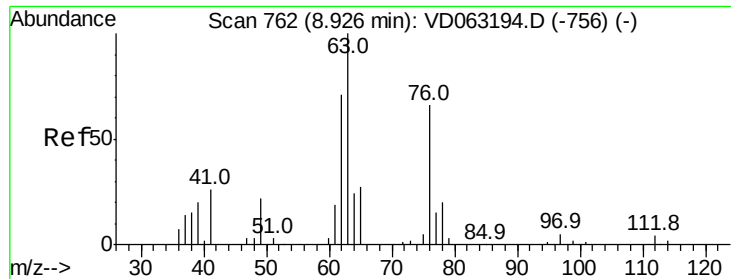
95 92.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.162 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

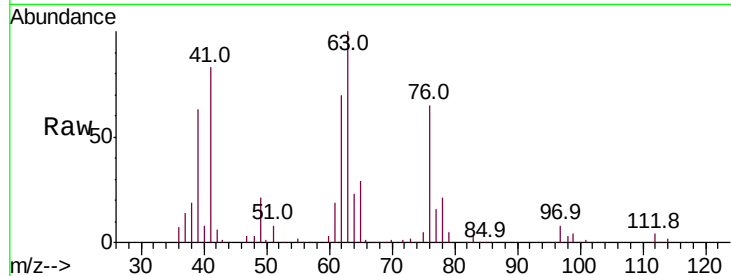
VSTDICCC050

Tot Ion: 63 Resp: 336240

Ion Ratio Lower Upper

63 100

65 29.5 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

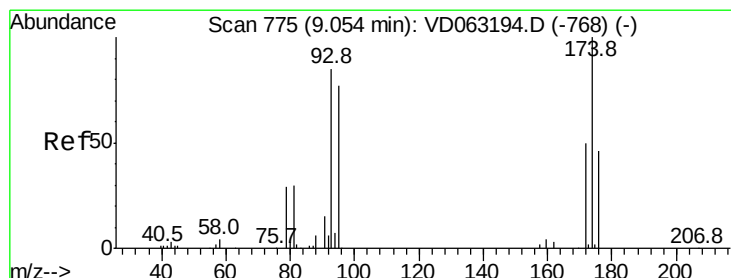
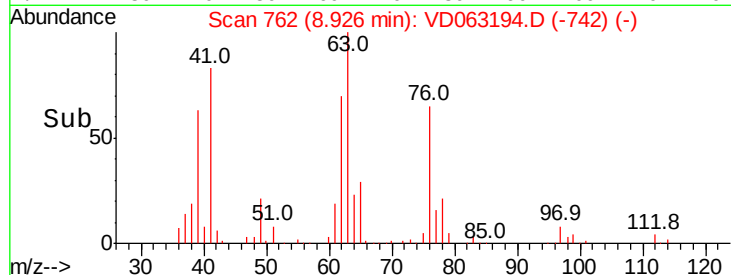
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.985 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

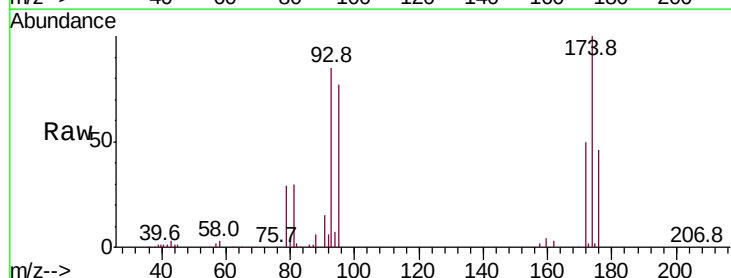
Tgt Ion: 93 Resp: 278569

Ion Ratio Lower Upper

93 100

95 91.0 72.8 109.2

174 118.0 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

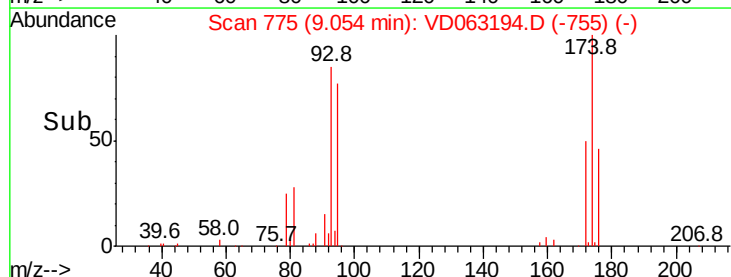
150000

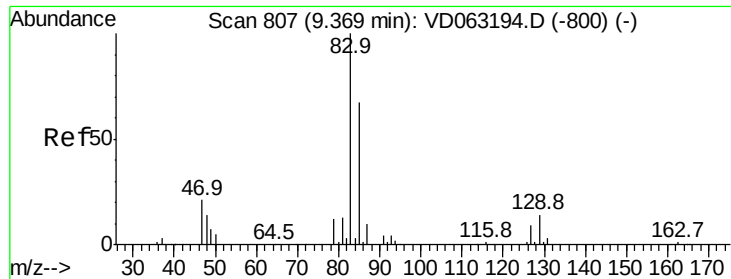
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.494 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

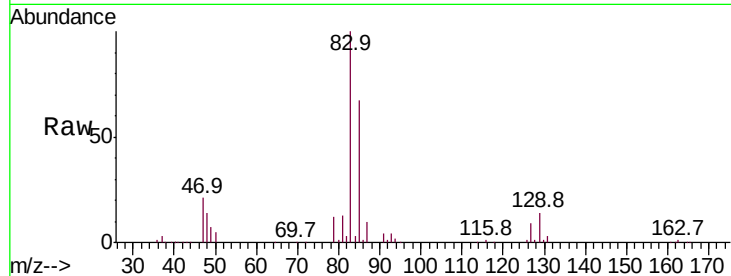
Tot Ion: 83 Resp: 717478

Ion Ratio Lower Upper

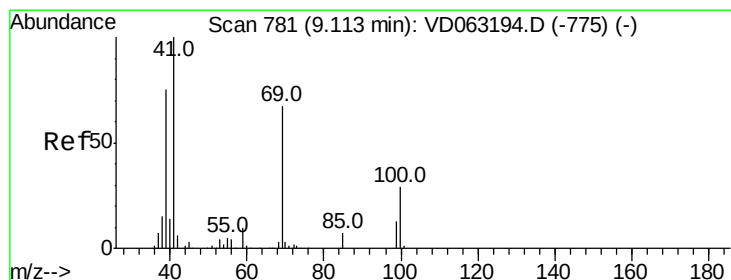
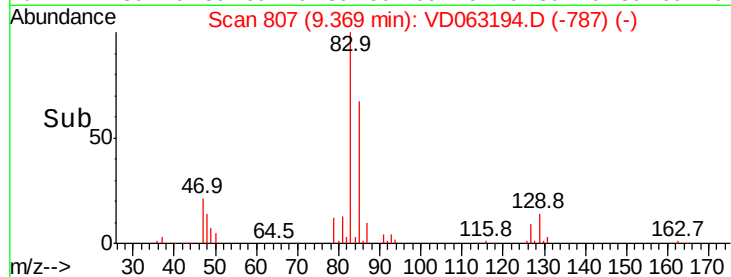
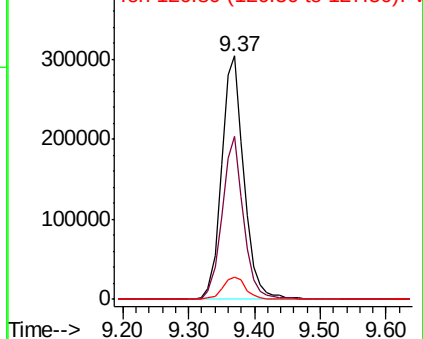
83 100

85 67.0 53.6 80.4

127 9.0 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: 51.074 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

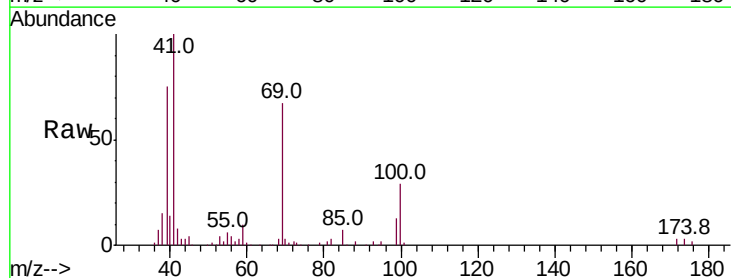
Tgt Ion: 41 Resp: 244065

Ion Ratio Lower Upper

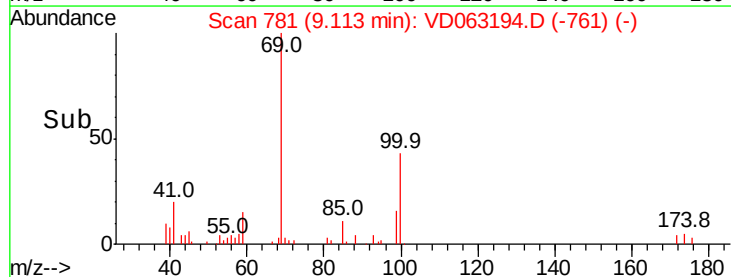
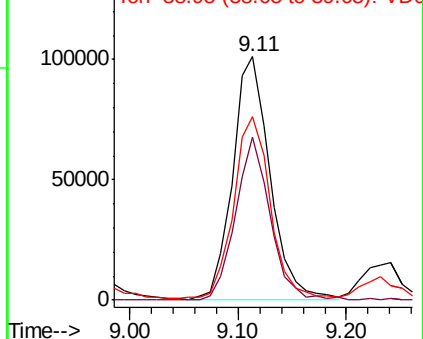
41 100

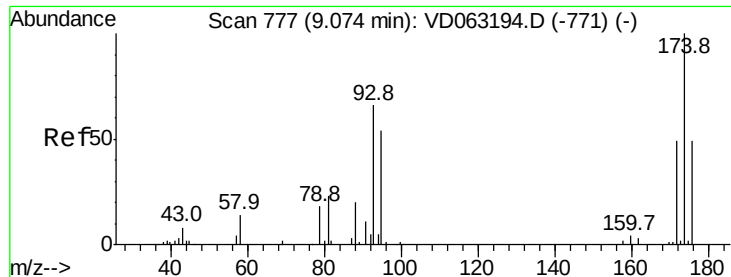
69 66.7 53.4 80.0

39 75.4 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

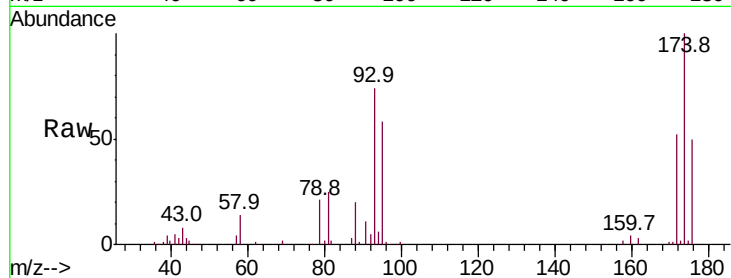




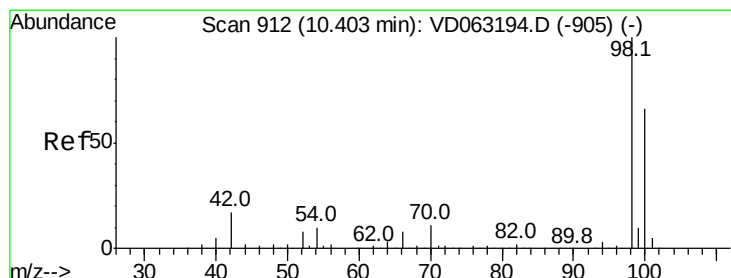
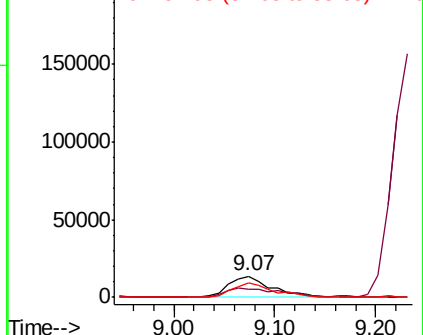
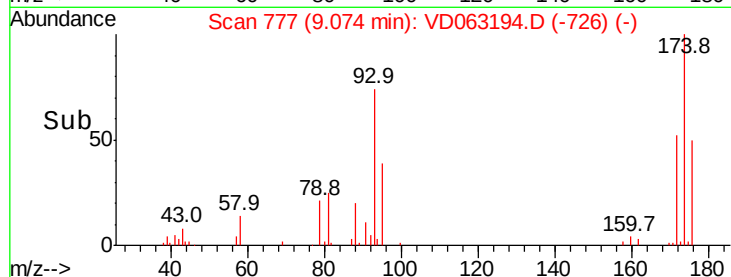
#49
1,4-Dioxane
Concen: 1013.240 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 40059
Ion Ratio Lower Upper
88 100
43 38.4 30.7 46.1
58 70.6 56.5 84.7

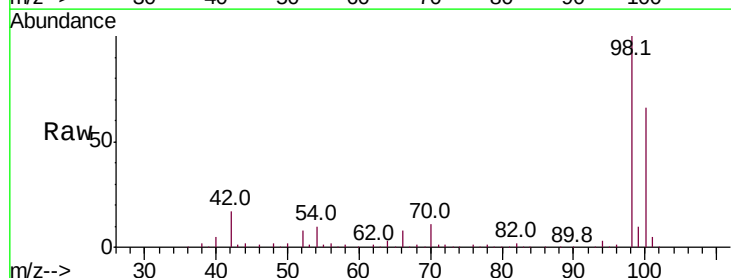


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

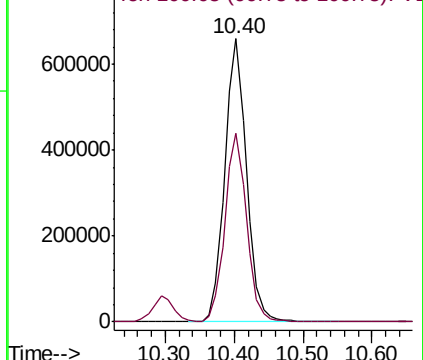
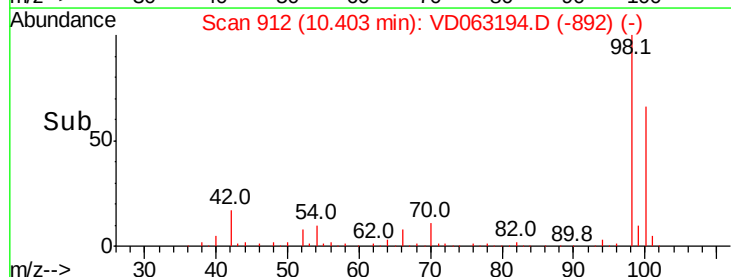


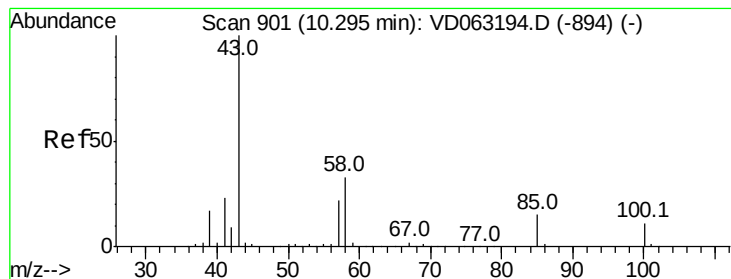
#50
Toluene-d8
Concen: 53.449 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion: 98 Resp: 1436765
Ion Ratio Lower Upper
98 100
100 66.5 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: 244.502 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

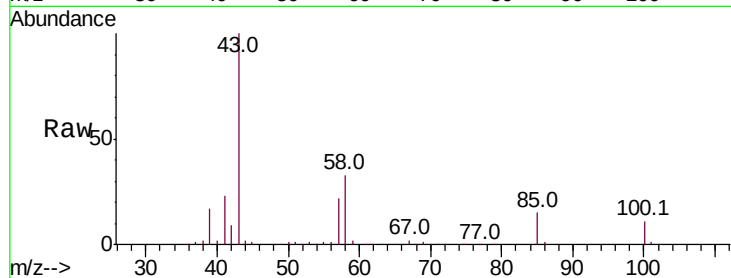
VSTDICCC050

Tot Ion: 43 Resp: 1225179

Ion Ratio Lower Upper

43 100

58 32.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

600000

500000

400000

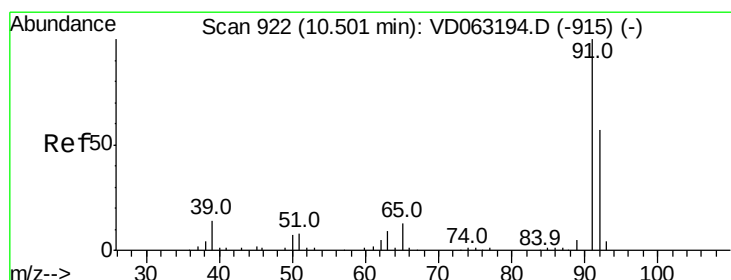
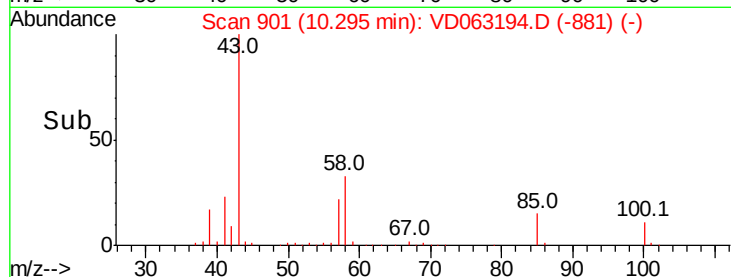
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.469 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063194.D

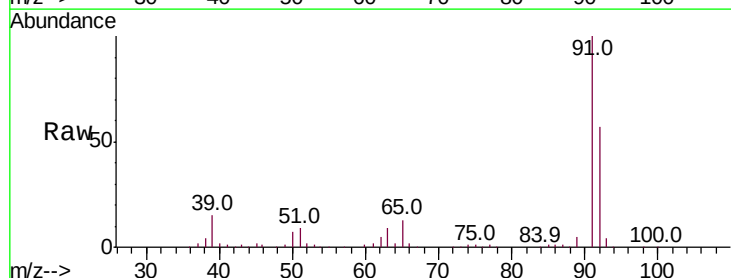
Acq: 29 Jul 2019 12:36

Tgt Ion: 92 Resp: 849532

Ion Ratio Lower Upper

92 100

91 176.0 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

800000

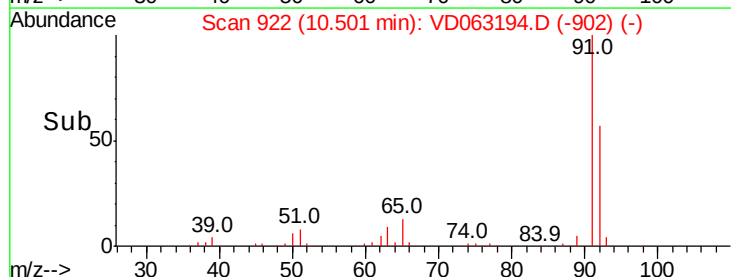
600000

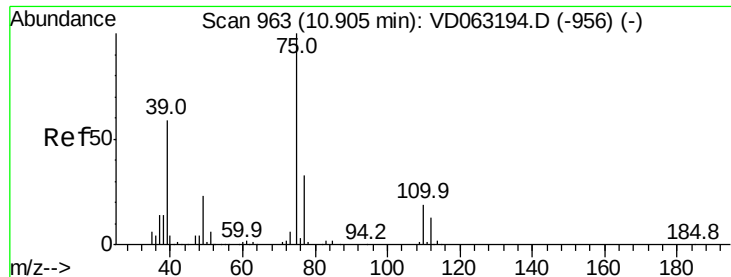
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.831 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.00 min

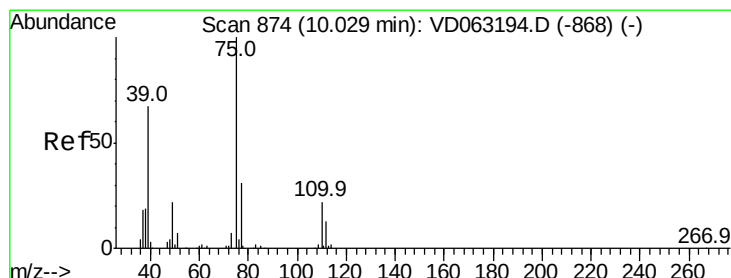
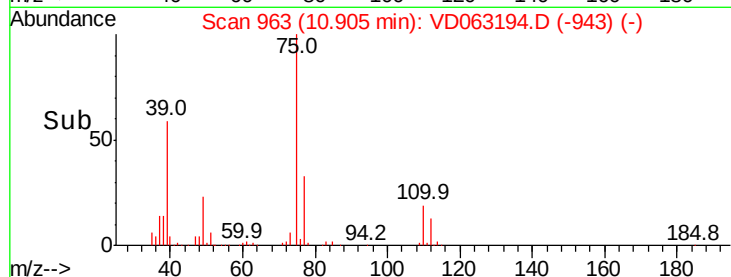
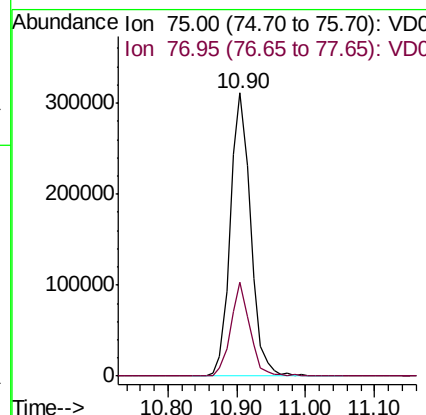
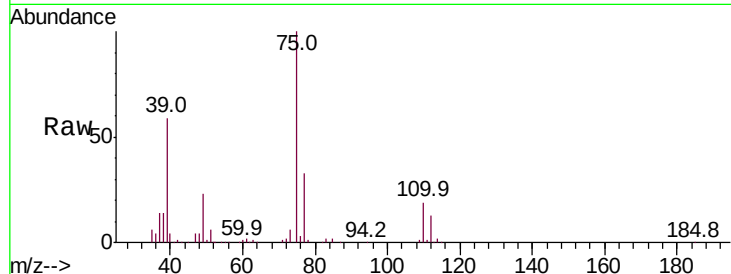
Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 635272

Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.6	40.0



#54

cis-1,3-Dichloropropene

Concen: 50.953 ug/l

RT: 10.03 min Scan# 874

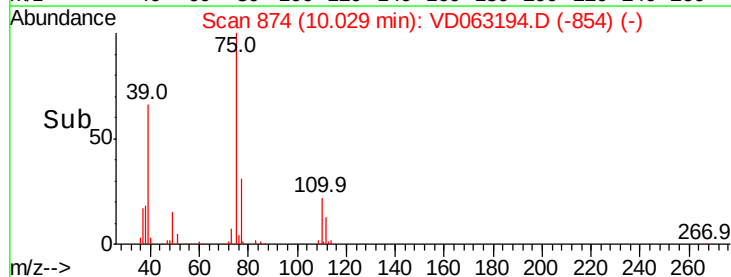
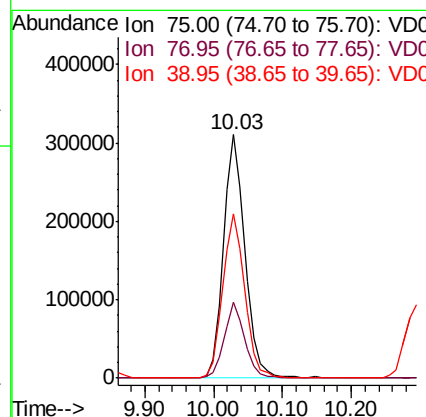
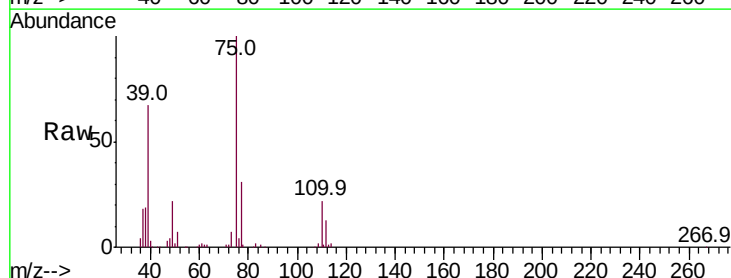
Delta R.T. 0.00 min

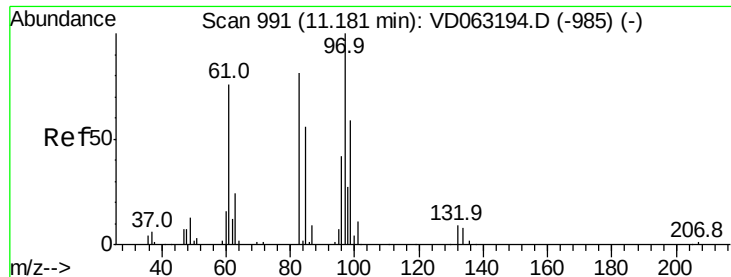
Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Tgt Ion: 75 Resp: 669257

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	67.4	53.9	80.9

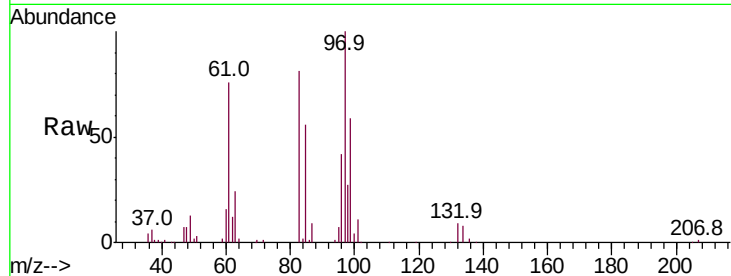




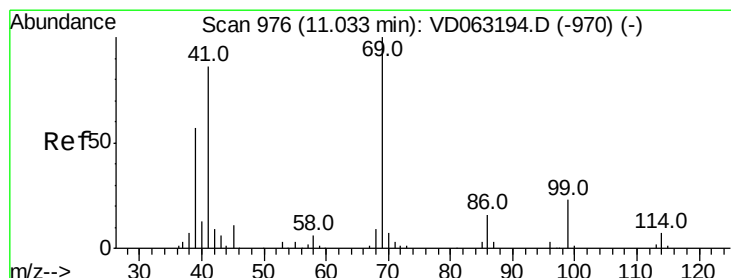
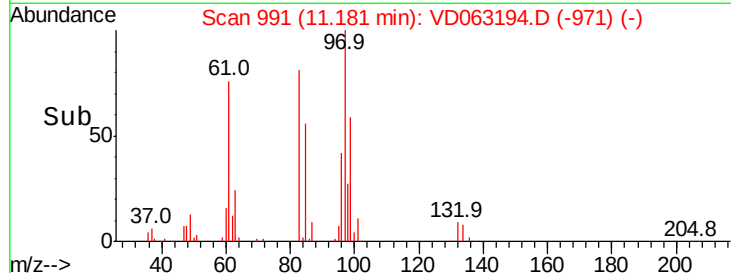
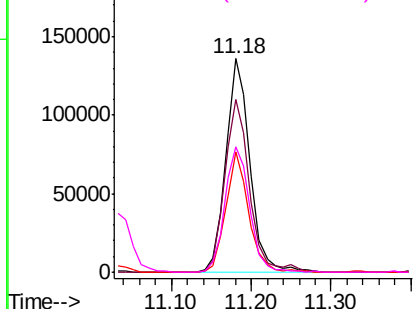
#55
 1,1,2-Trichloroethane
 Concen: 48.061 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	290493
Ion	Ratio	Lower	Upper
97	100		
83	81.0	64.8	97.2
85	56.1	44.9	67.3
99	59.0	47.2	70.8

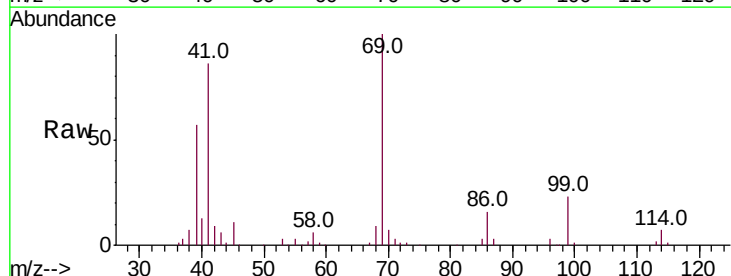


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

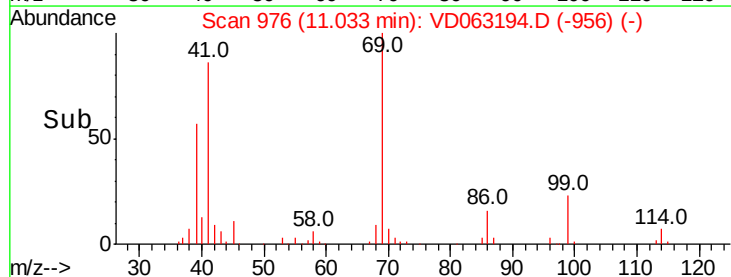
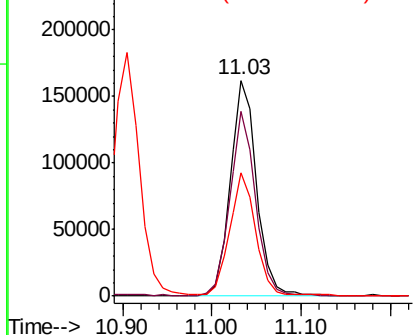


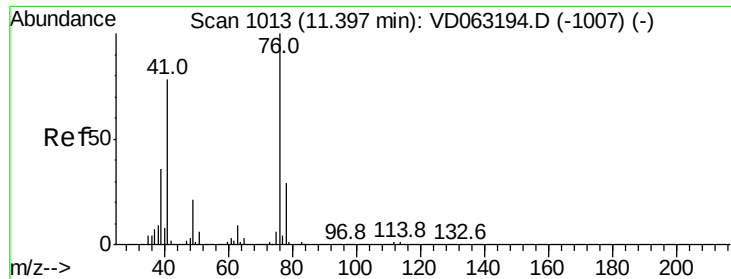
#56
 Ethyl methacrylate
 Concen: 50.618 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion:	69	Resp:	335027
Ion	Ratio	Lower	Upper
69	100		
41	86.0	68.8	103.2
39	57.3	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

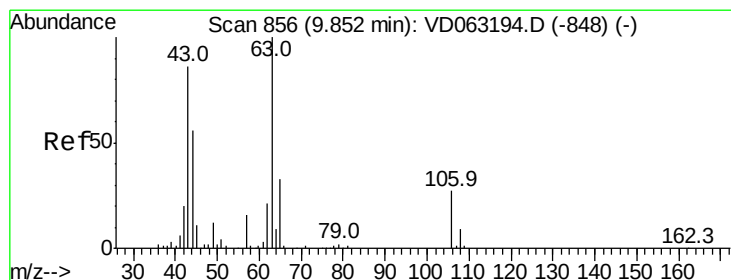
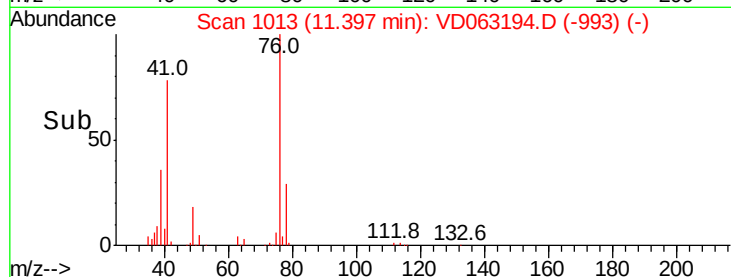
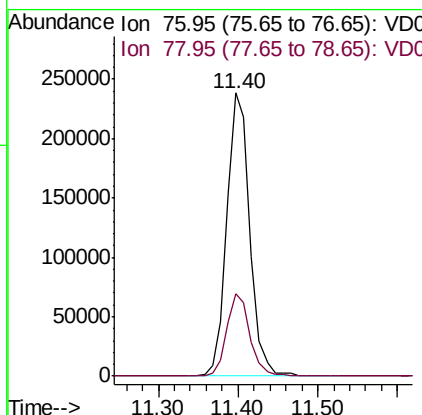
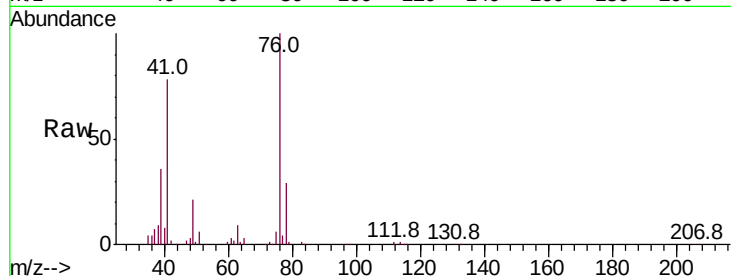




#57
 1,3-Dichloropropane
 Concen: 50.716 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

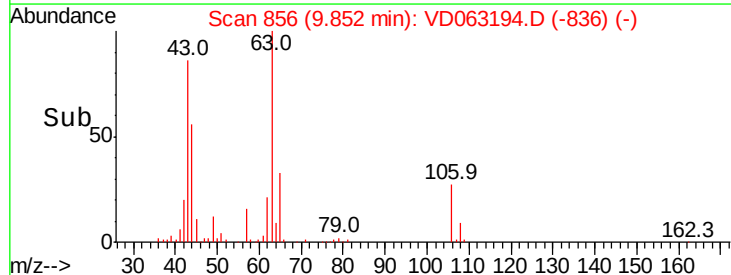
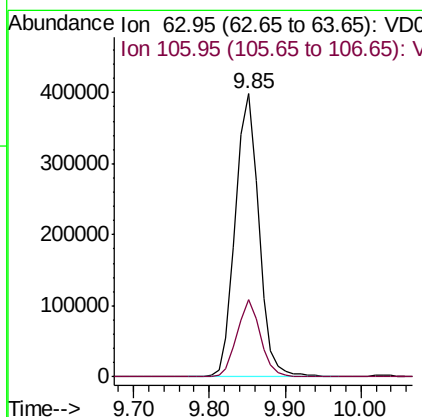
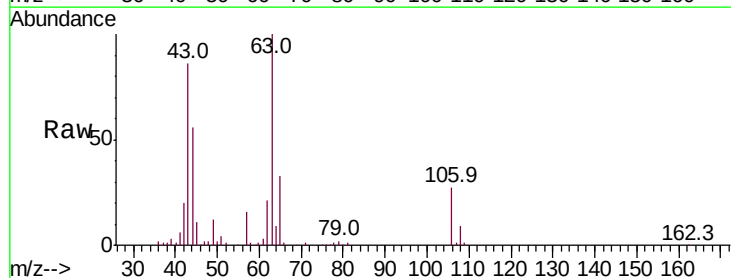
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

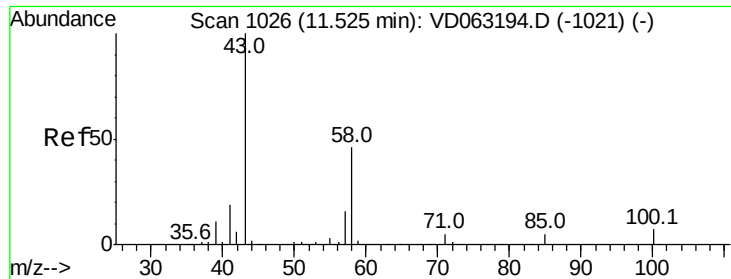
Tot Ion: 76 Resp: 482982
 Ion Ratio Lower Upper
 76 100
 78 29.2 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.417 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion: 63 Resp: 858987
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.0 33.0

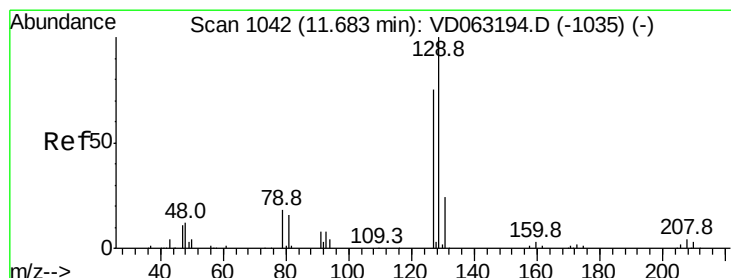
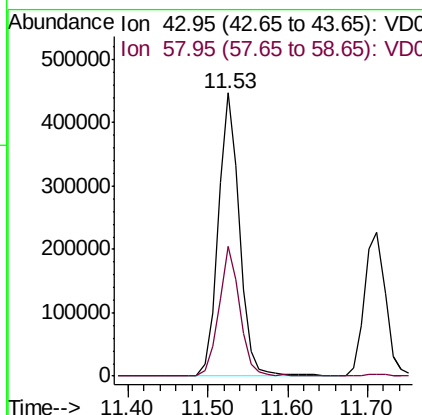
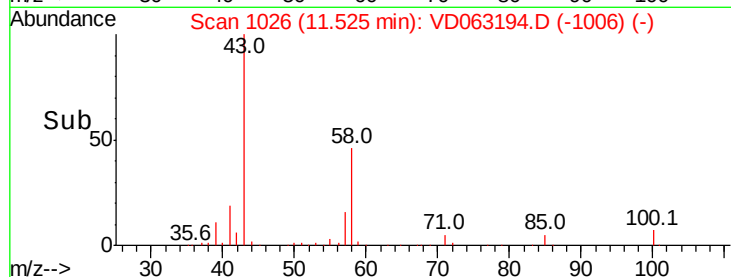
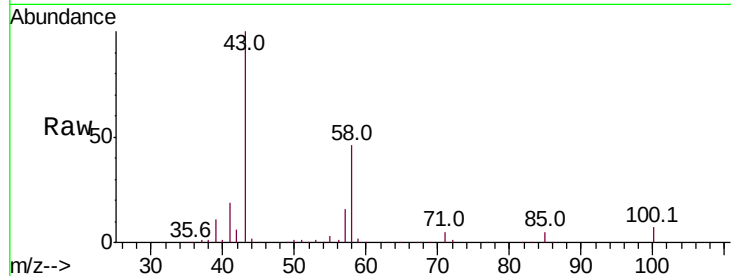




#59
2-Hexanone
Concen: 233.007 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

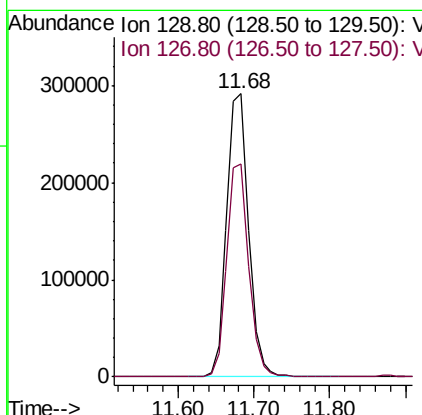
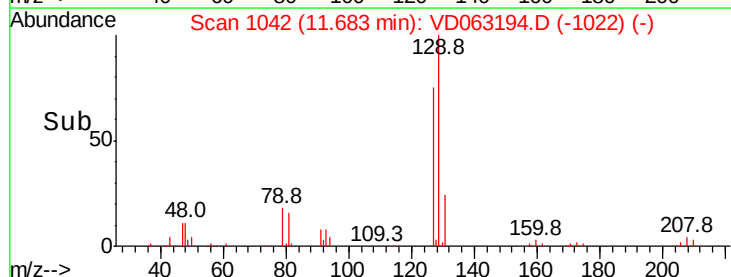
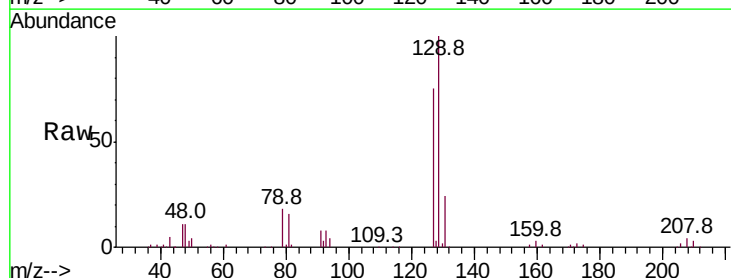
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

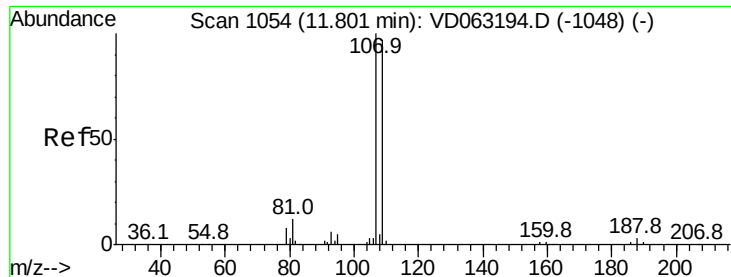
Tot Ion: 43 Resp: 841408
Ion Ratio Lower Upper
43 100
58 45.7 22.9 68.5



#60
Dibromochloromethane
Concen: 50.995 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion: 129 Resp: 581888
Ion Ratio Lower Upper
129 100
127 75.2 37.6 112.8

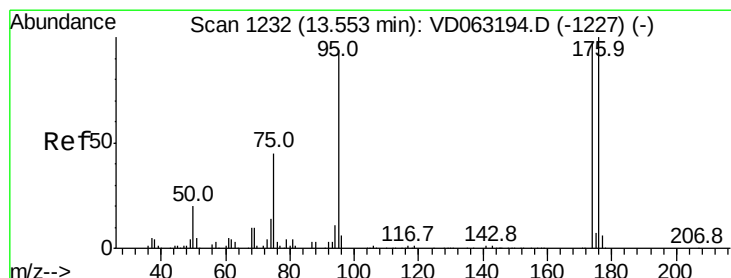
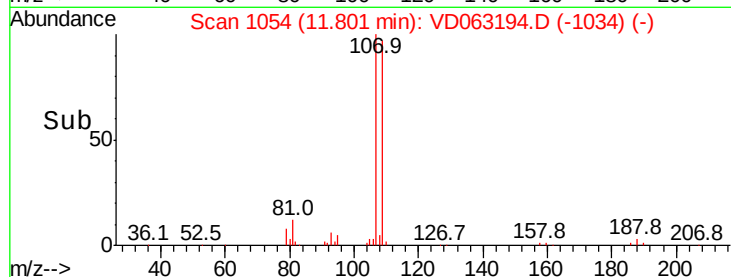
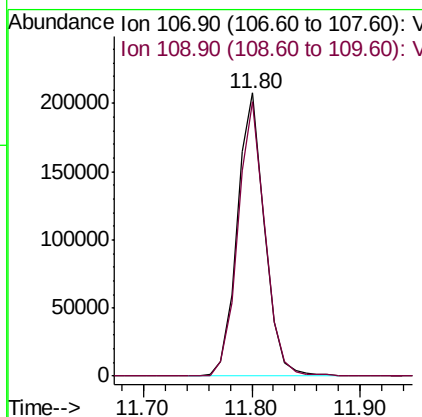
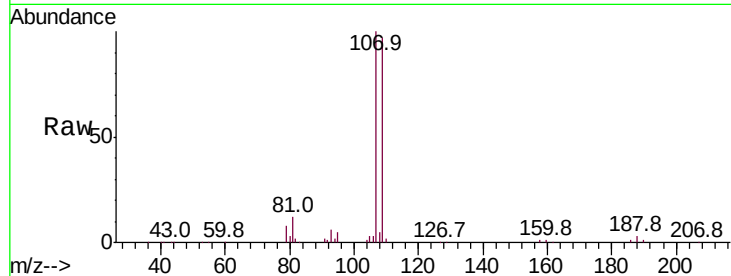




#61
 1,2-Dibromoethane
 Concen: 48.778 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

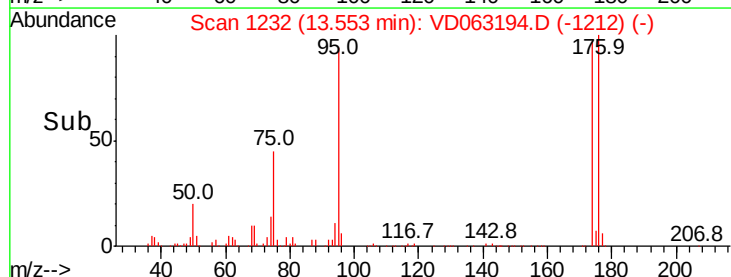
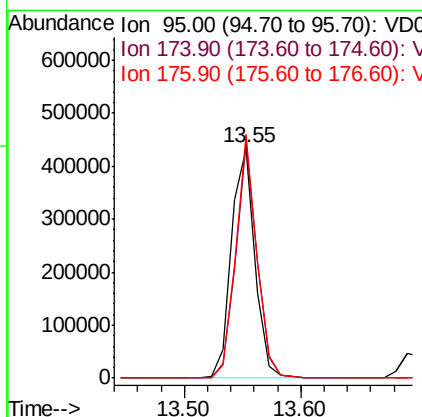
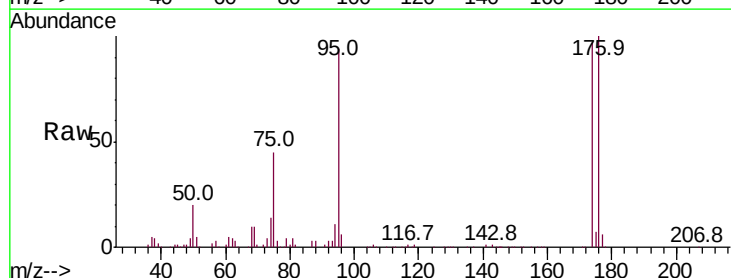
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

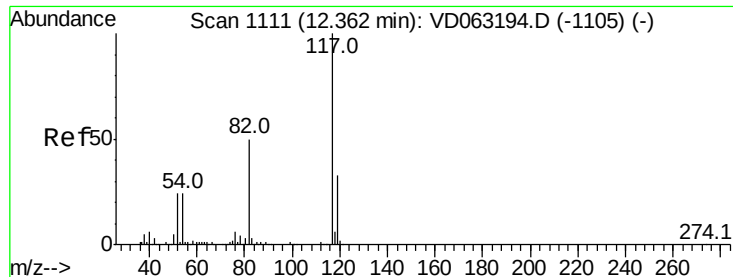
Tot Ion:107 Resp: 363800
 Ion Ratio Lower Upper
 107 100
 109 96.9 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 49.311 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion: 95 Resp: 604042
 Ion Ratio Lower Upper
 95 100
 174 102.7 0.0 205.4
 176 105.9 0.0 211.8

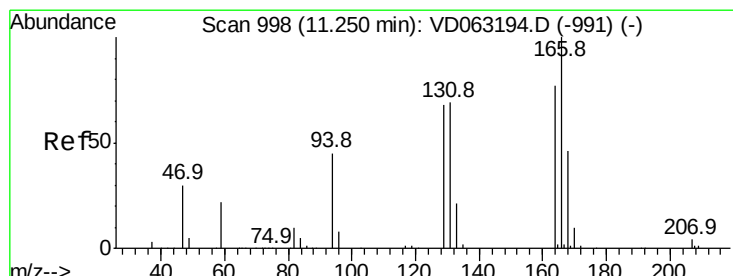
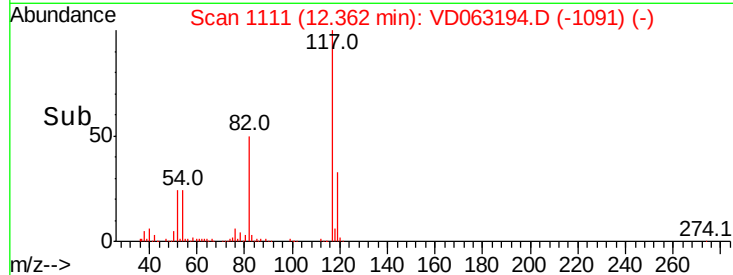
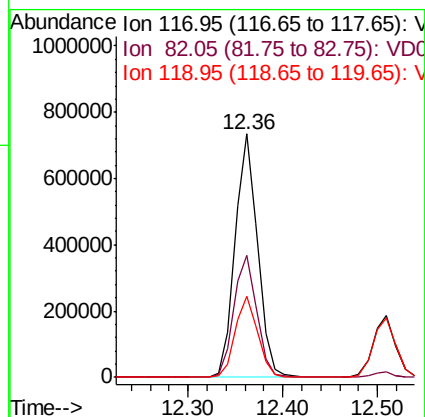
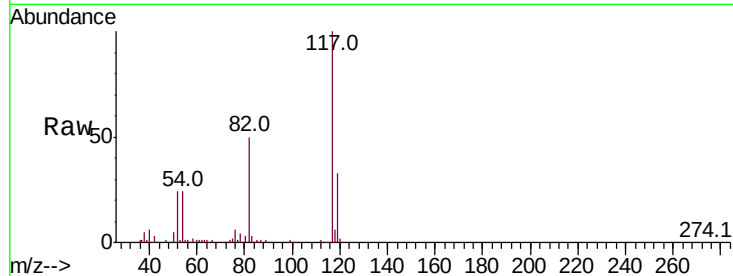




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

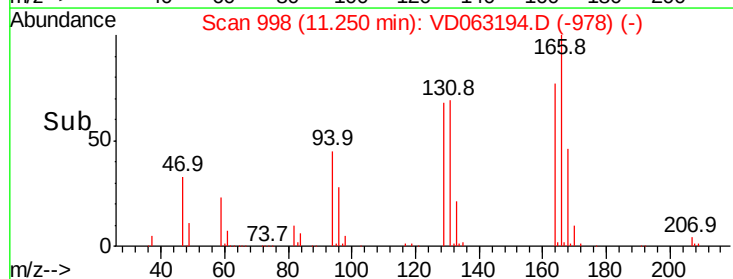
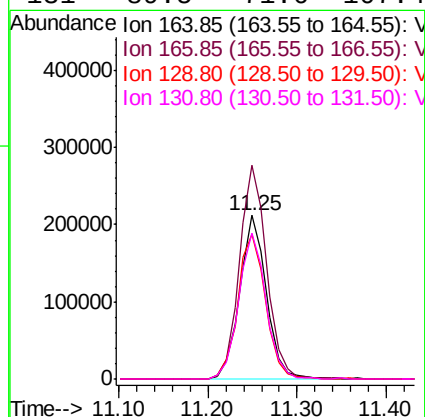
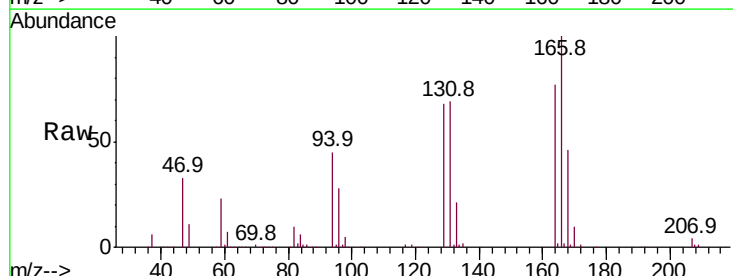
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

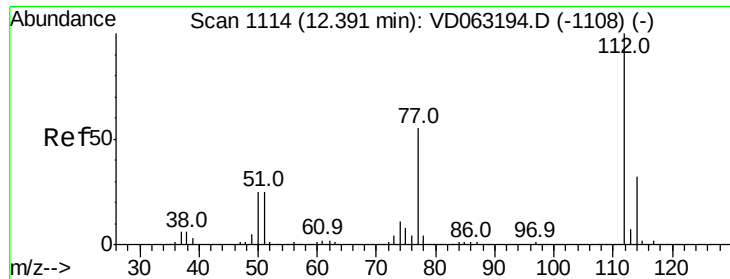
Tot Ion:117 Resp: 1206008
Ion Ratio Lower Upper
117 100
82 50.1 40.1 60.1
119 33.1 26.5 39.7



#64
Tetrachloroethene
Concen: 45.771 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion:164 Resp: 439760
Ion Ratio Lower Upper
164 100
166 130.4 104.3 156.5
129 88.6 70.9 106.3
131 89.5 71.6 107.4

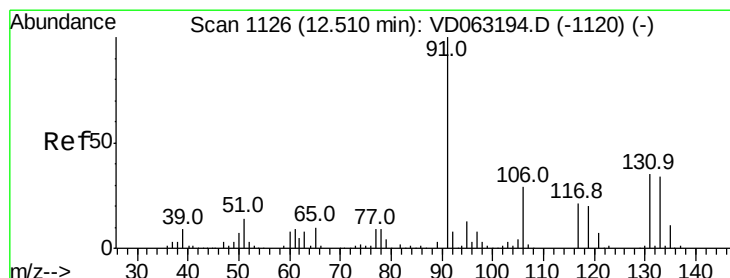
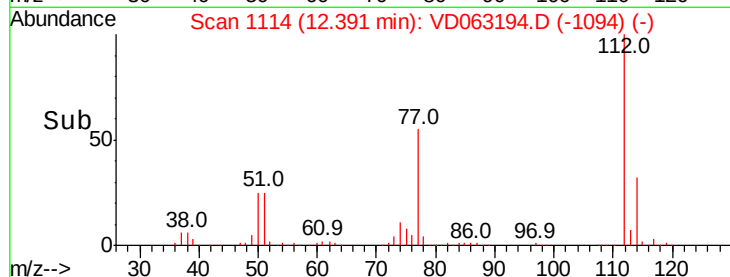
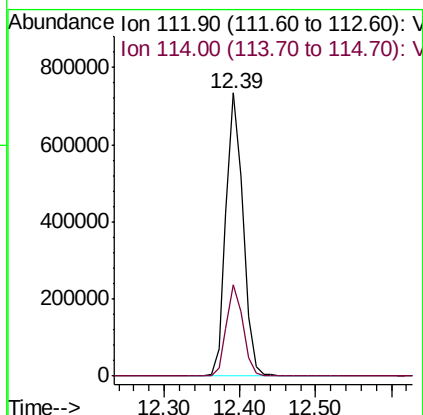
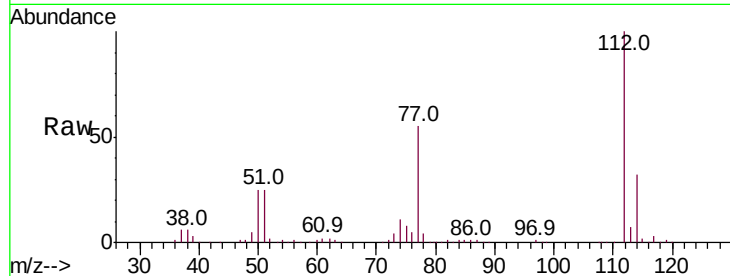




#65
Chlorobenzene
Concen: 49.744 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

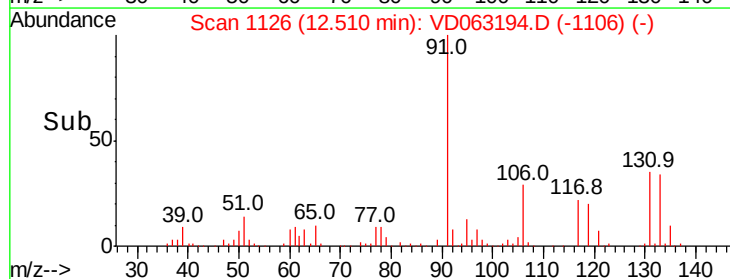
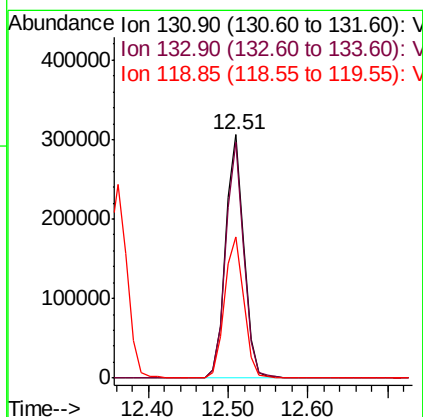
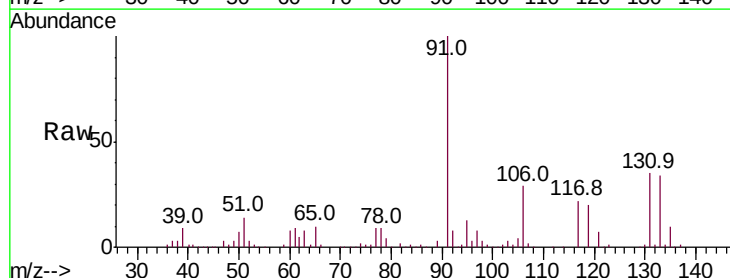
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

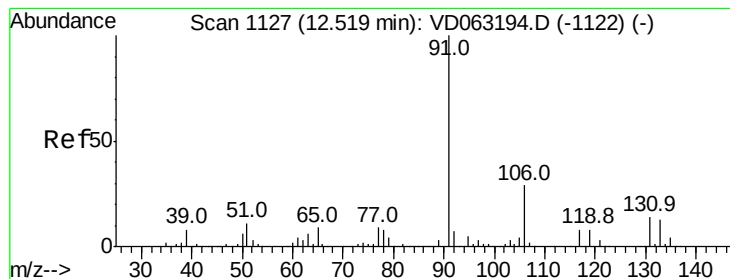
Tot Ion:112 Resp: 1153902
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.623 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion:131 Resp: 496833
Ion Ratio Lower Upper
131 100
133 96.8 48.4 145.2
119 58.2 29.1 87.3





#67

Ethyl Benzene

Concen: 48.063 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

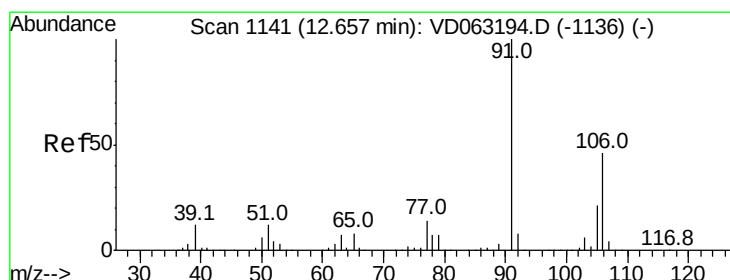
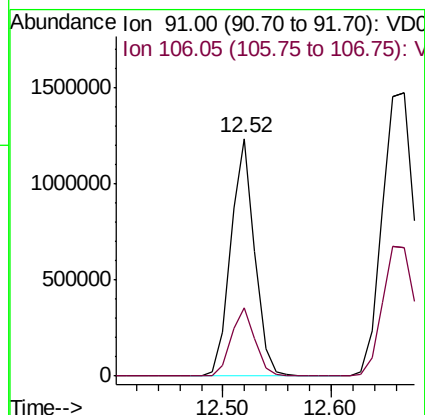
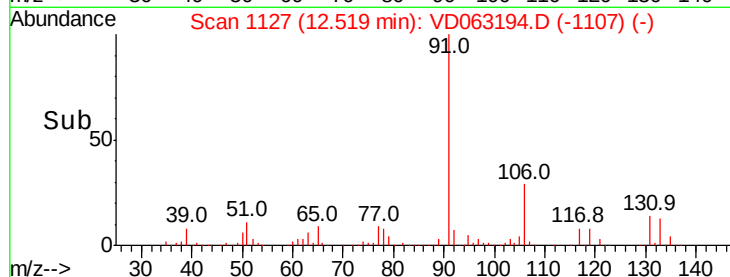
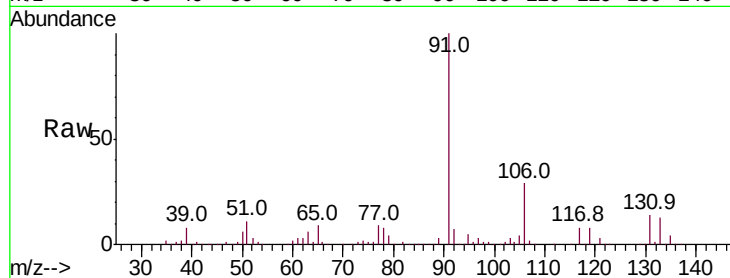
VSTDICCC050

Tot Ion: 91 Resp: 1893992

Ion Ratio Lower Upper

91 100

106 28.6 22.9 34.3



#68

m/p-Xylenes

Concen: 95.448 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VD063194.D

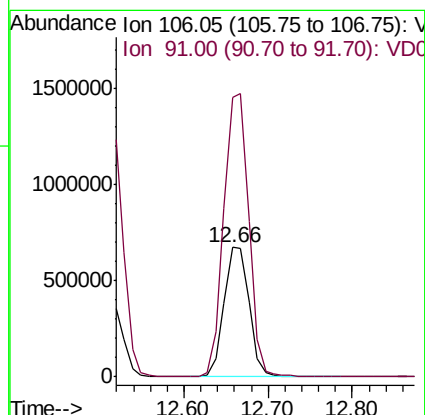
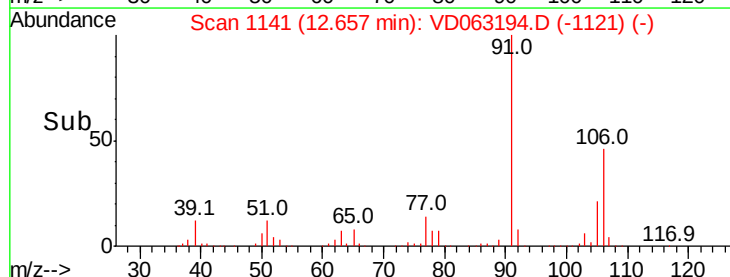
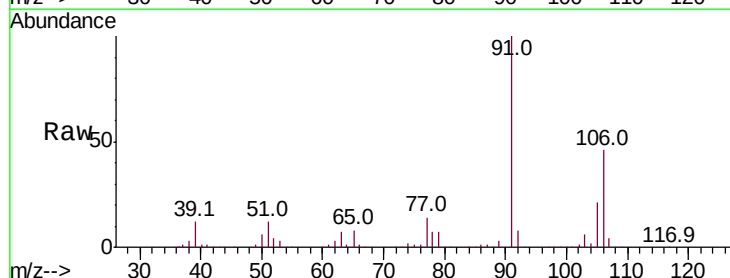
Acq: 29 Jul 2019 12:36

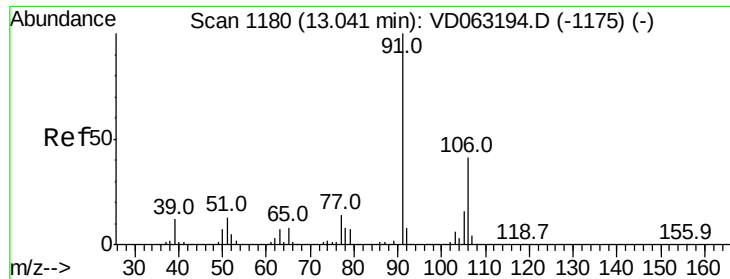
Tgt Ion: 106 Resp: 1379373

Ion Ratio Lower Upper

106 100

91 215.8 172.6 259.0

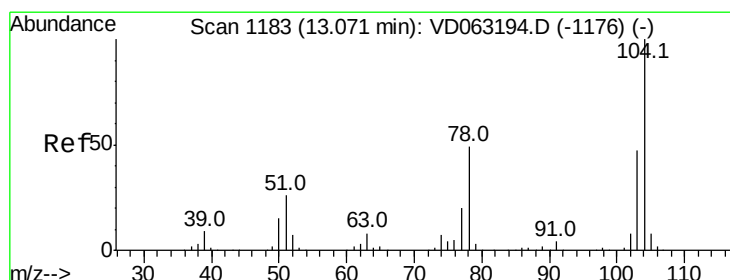
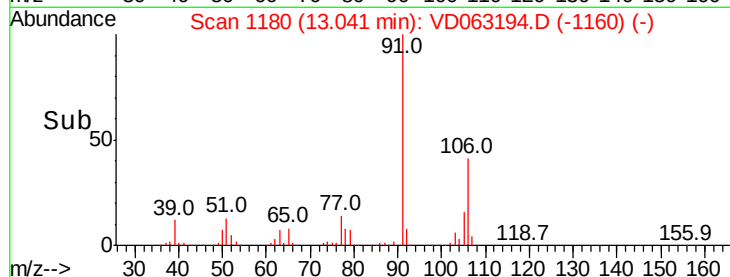
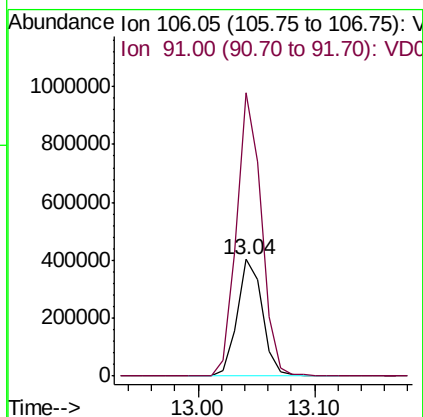
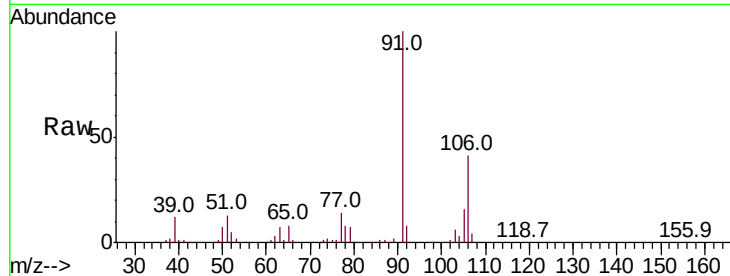




#69
o-Xylene
Concen: 45.808 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

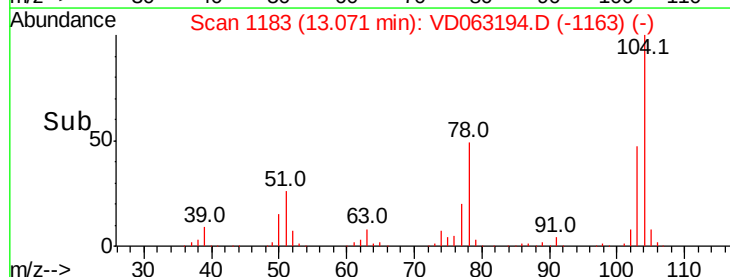
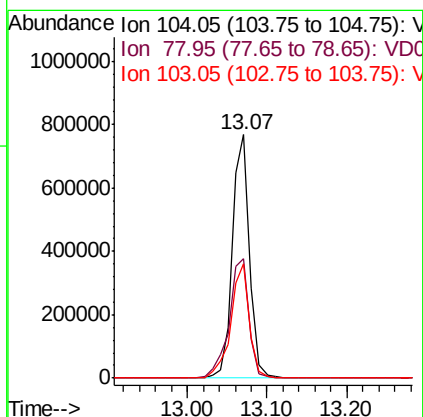
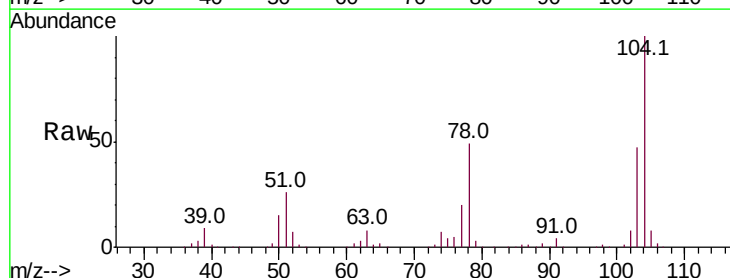
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

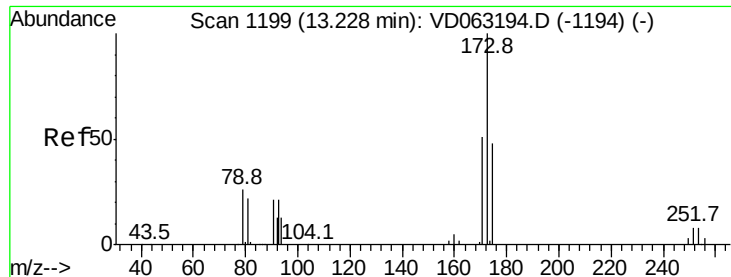
Tot Ion:106 Resp: 607912
Ion Ratio Lower Upper
106 100
91 242.6 121.3 363.9



#70
Styrene
Concen: 49.080 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion:104 Resp: 1155093
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.0
103 46.8 37.4 56.2





#71

Bromoform

Concen: 48.697 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

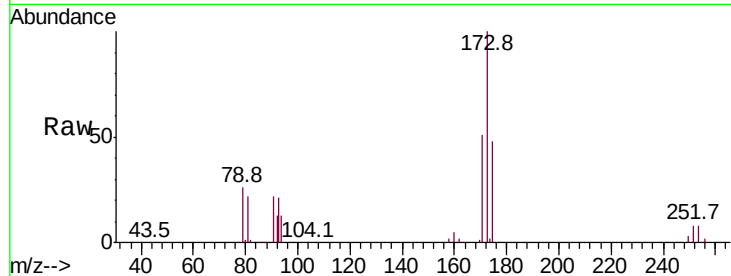
Tot Ion:173 Resp: 361854

Ion Ratio Lower Upper

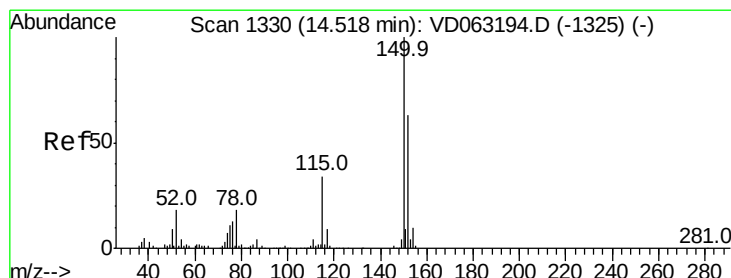
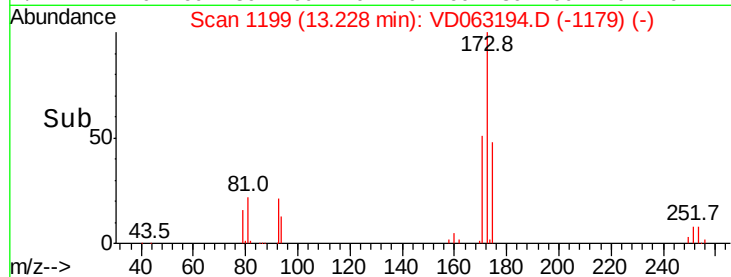
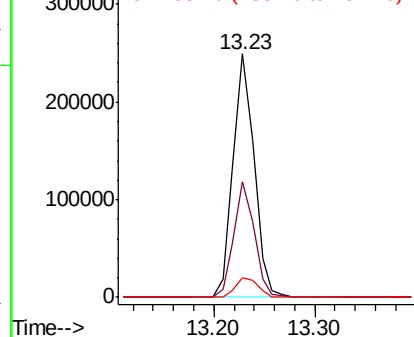
173 100

175 47.7 23.8 71.5

254 8.3 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

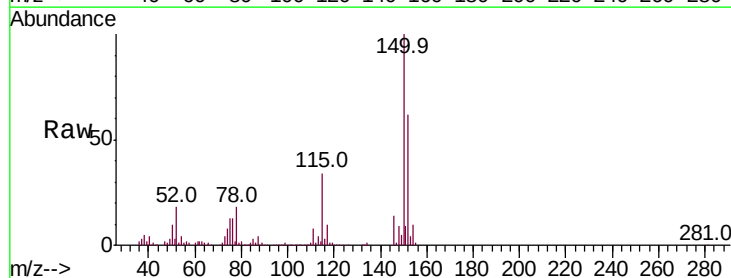
Tgt Ion:152 Resp: 632802

Ion Ratio Lower Upper

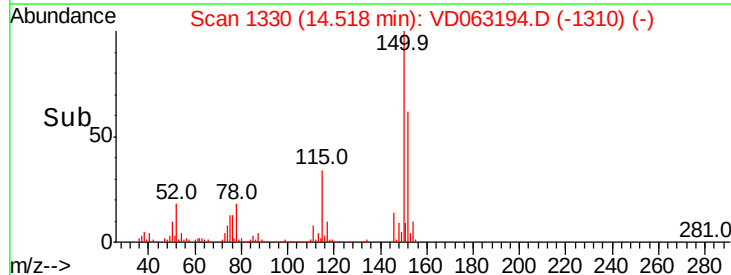
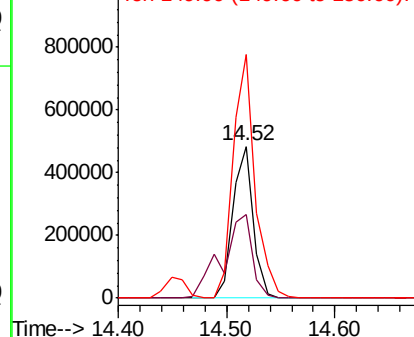
152 100

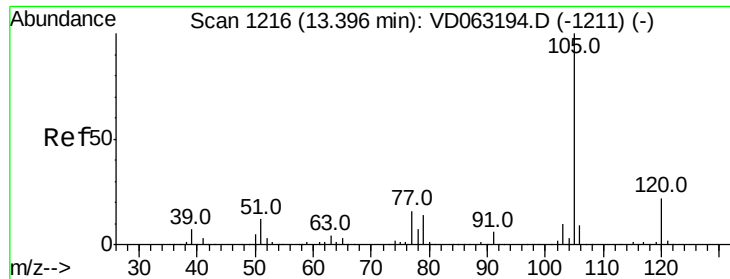
115 54.9 27.5 82.4

150 160.3 0.0 320.6



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





#73

Isopropylbenzene

Concen: 49.548 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

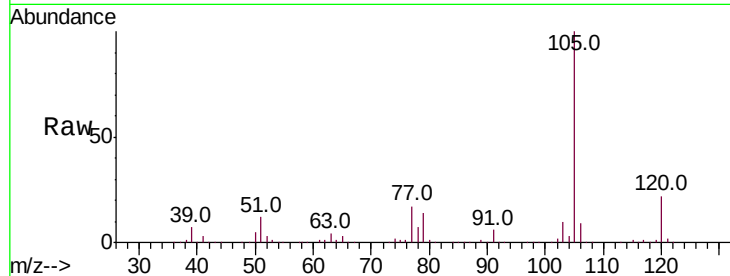
VSTDICCC050

Tot Ion:105 Resp: 1967874

Ion Ratio Lower Upper

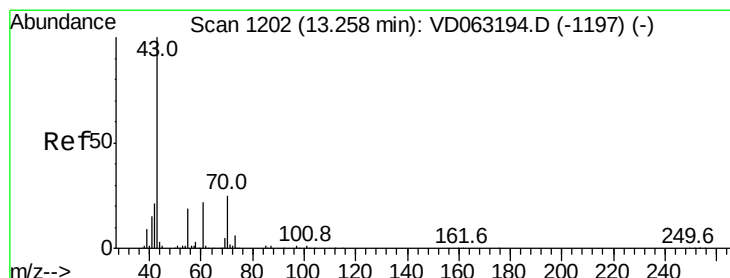
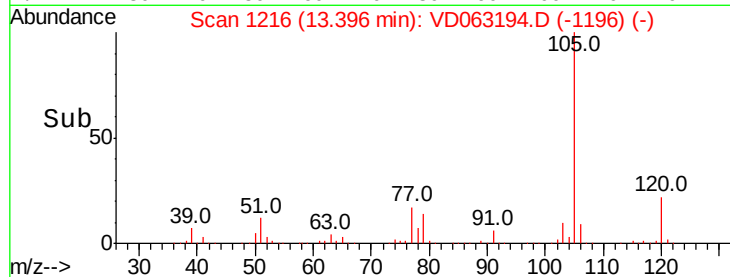
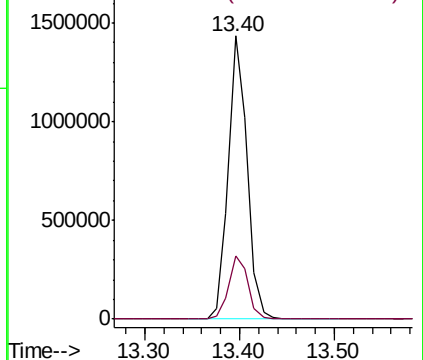
105 100

120 22.2 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: 49.249 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Tgt Ion: 43 Resp: 517087

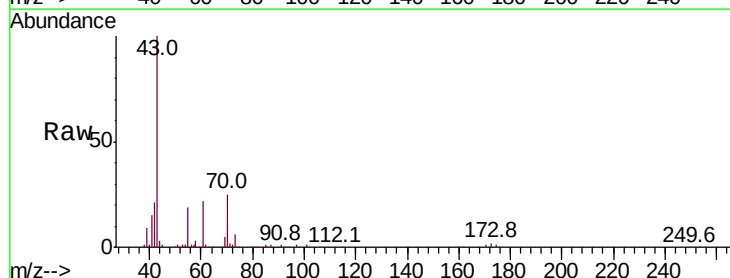
Ion Ratio Lower Upper

43 100

70 25.3 20.2 30.4

55 18.6 14.9 22.3

61 22.4 17.9 26.9

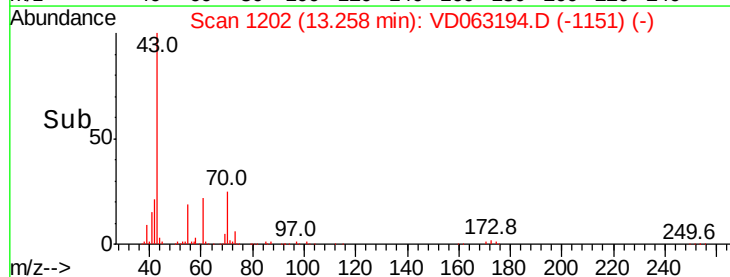
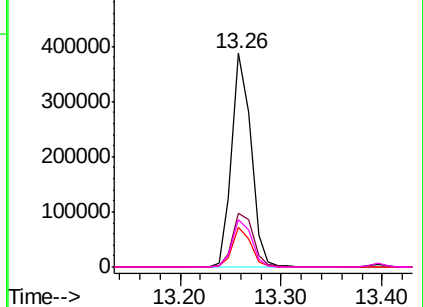


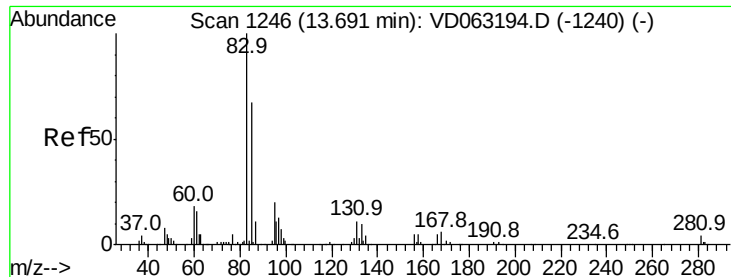
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.189 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

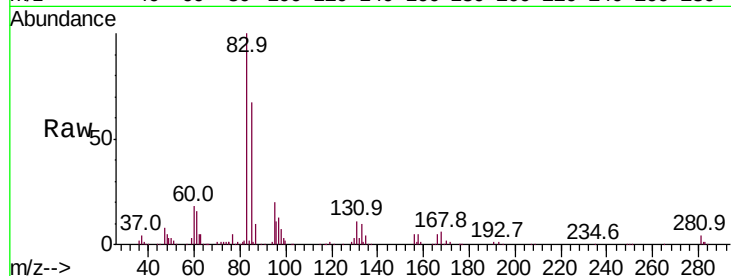
Tot Ion: 83 Resp: 331848

Ion Ratio Lower Upper

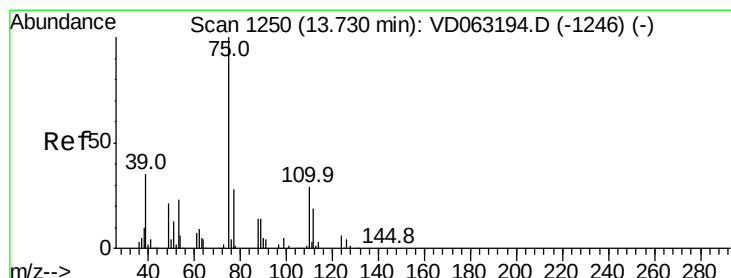
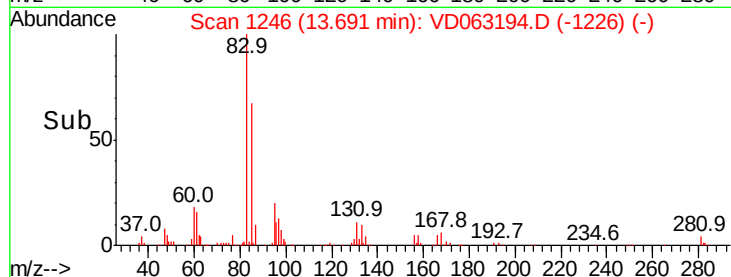
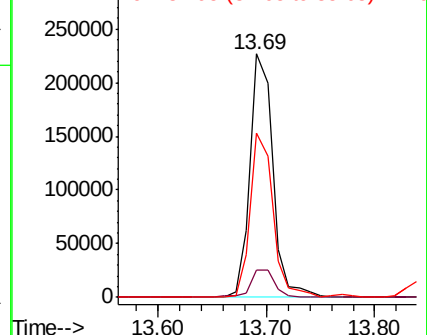
83 100

131 11.1 5.5 16.7

85 67.4 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 50.788 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063194.D

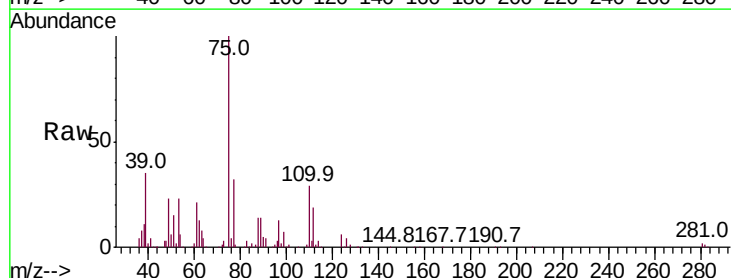
Acq: 29 Jul 2019 12:36

Tgt Ion: 75 Resp: 386028

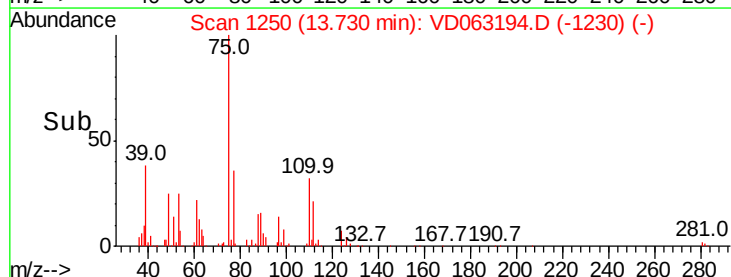
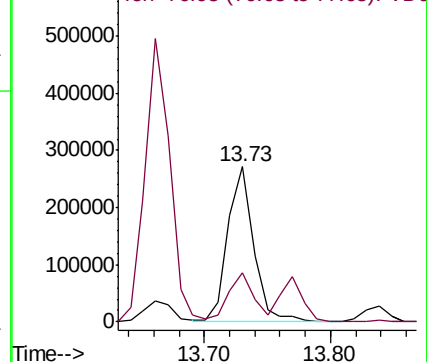
Ion Ratio Lower Upper

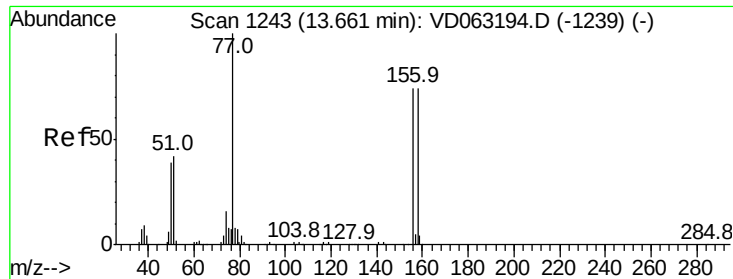
75 100

77 32.0 16.0 48.0



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





#77

Bromobenzene

Concen: 47.918 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

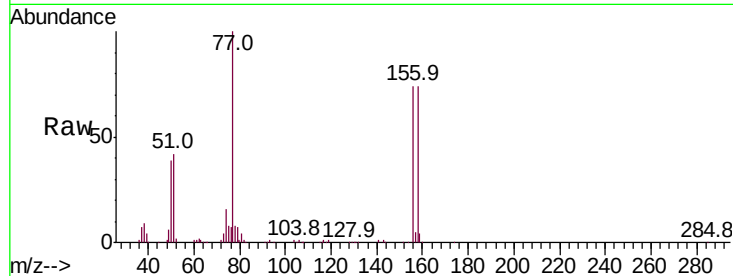
Tot Ion:156 Resp: 542143

Ion Ratio Lower Upper

156 100

77 135.2 67.6 202.8

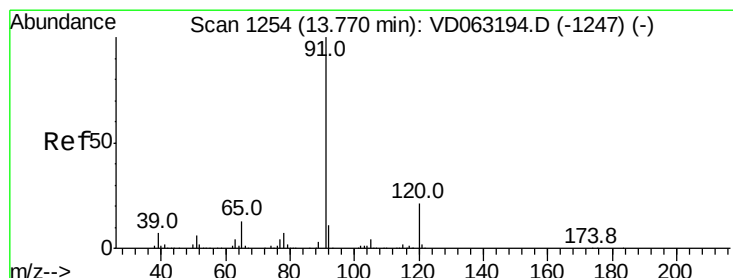
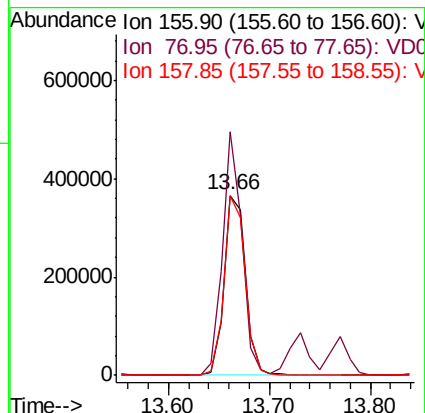
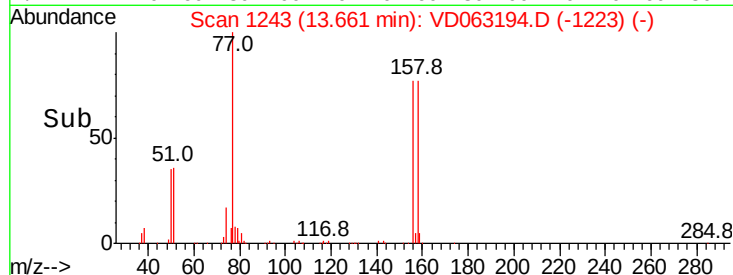
158 99.6 49.8 149.4



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: 50.354 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063194.D

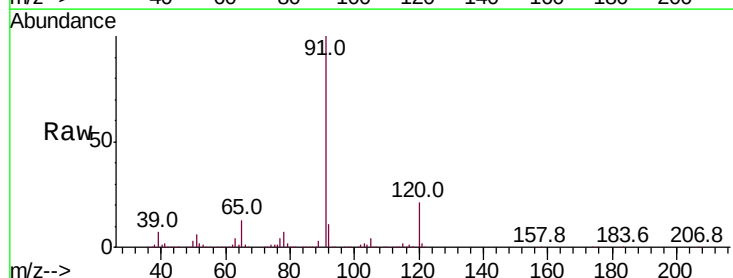
Acq: 29 Jul 2019 12:36

Tgt Ion: 91 Resp: 2379919

Ion Ratio Lower Upper

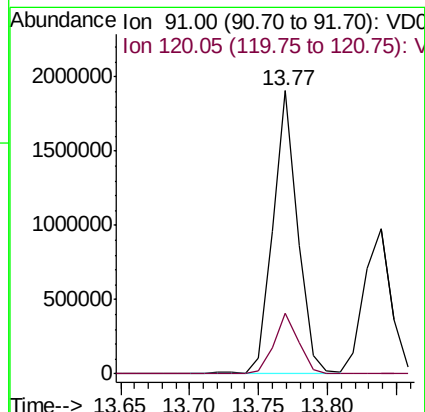
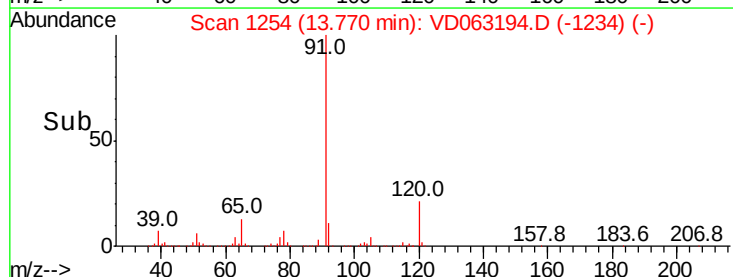
91 100

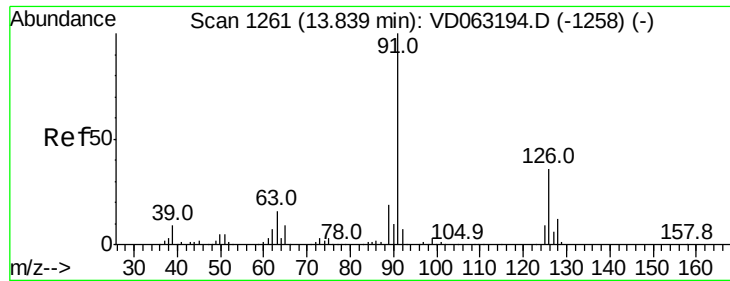
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

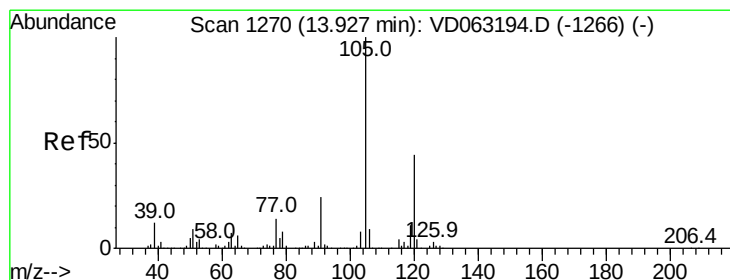
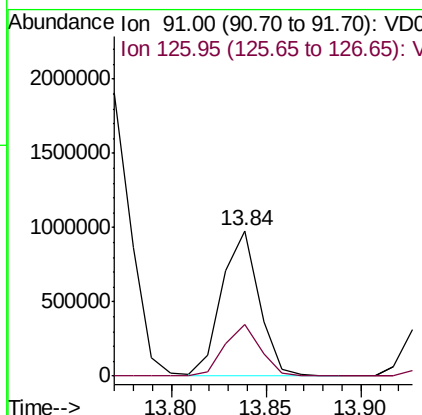
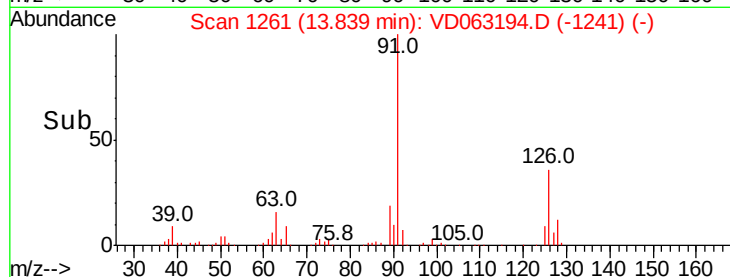
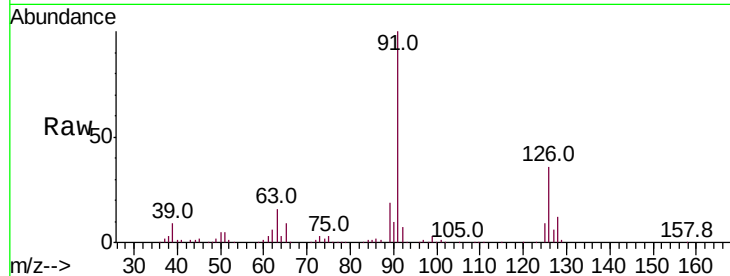




#79
 2-Chlorotoluene
 Concen: 48.431 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

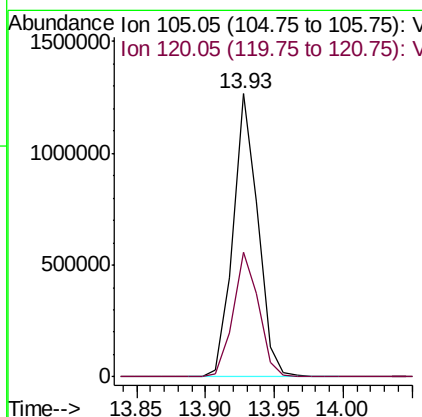
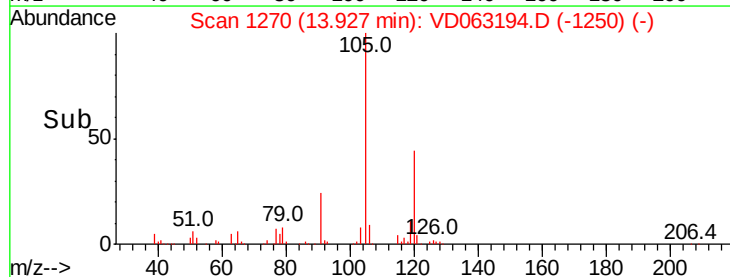
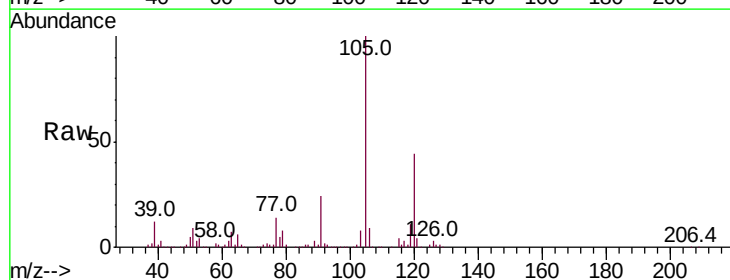
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

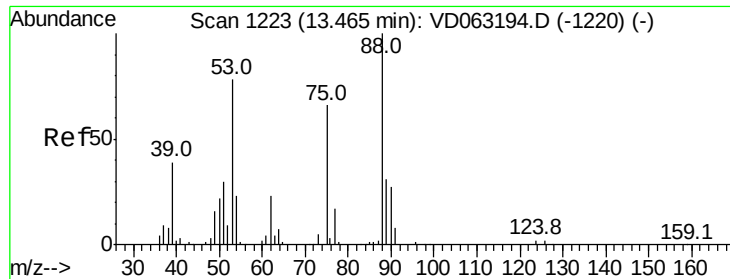
Tot Ion: 91 Resp: 1326344
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 46.314 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion:105 Resp: 1586498
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.454 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

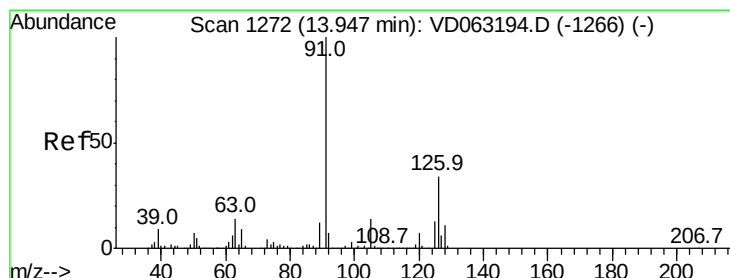
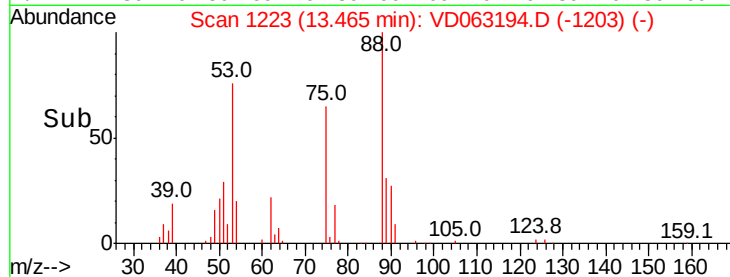
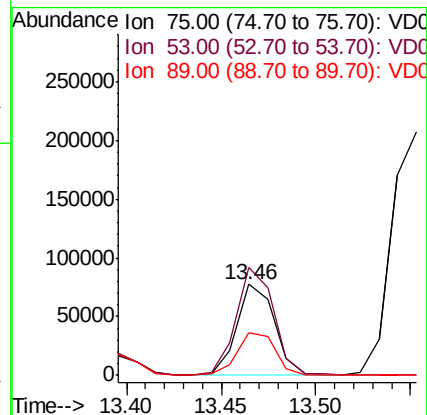
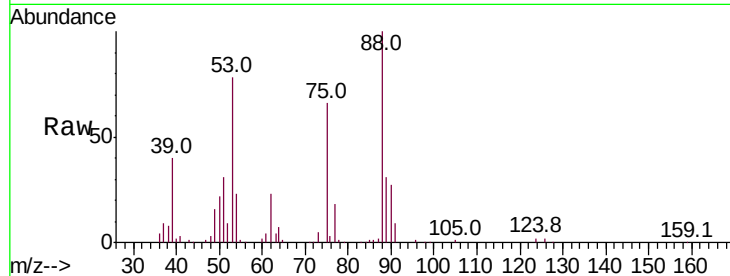
Tot Ion: 75 Resp: 106487

Ion Ratio Lower Upper

75 100

53 118.6 94.9 142.3

89 46.7 37.4 56.0



#82

4-Chlorotoluene

Concen: 46.501 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063194.D

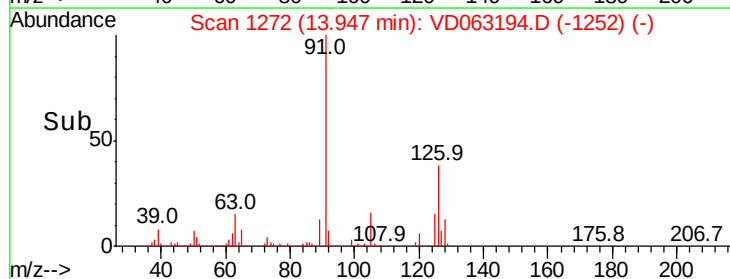
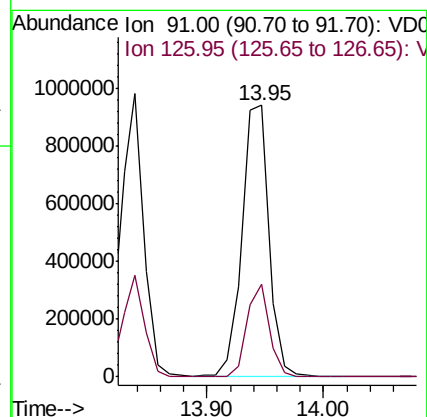
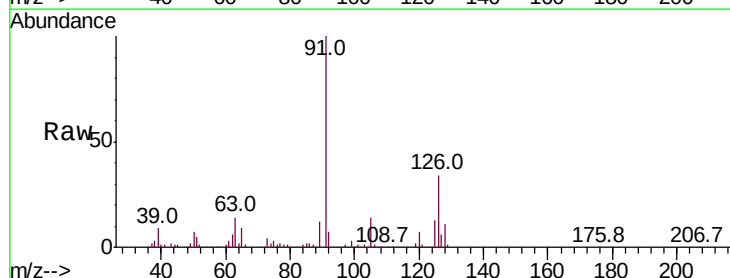
Acq: 29 Jul 2019 12:36

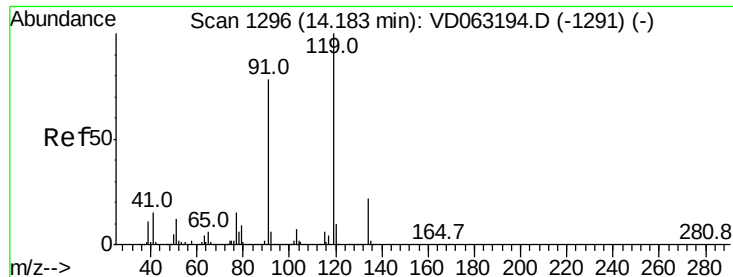
Tgt Ion: 91 Resp: 1498734

Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2





#83

tert-Butylbenzene

Concen: 48.267 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

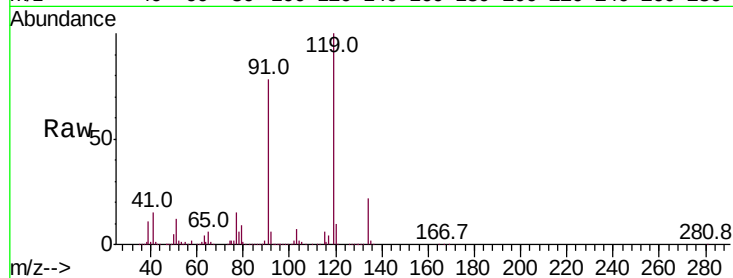
Tot Ion:119 Resp: 1887881

Ion Ratio Lower Upper

119 100

91 78.3 39.1 117.5

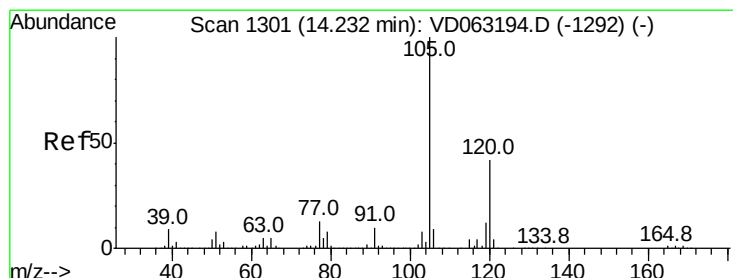
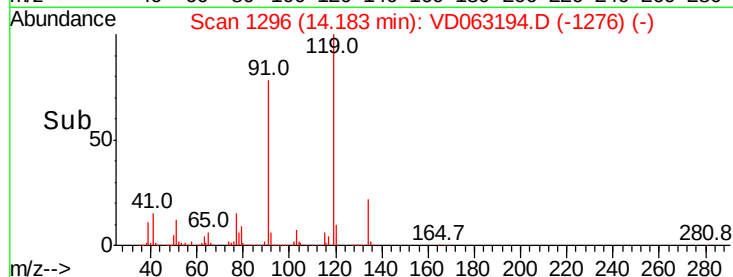
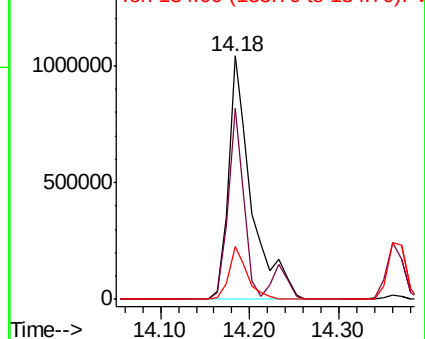
134 21.7 10.9 32.6



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: 49.578 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063194.D

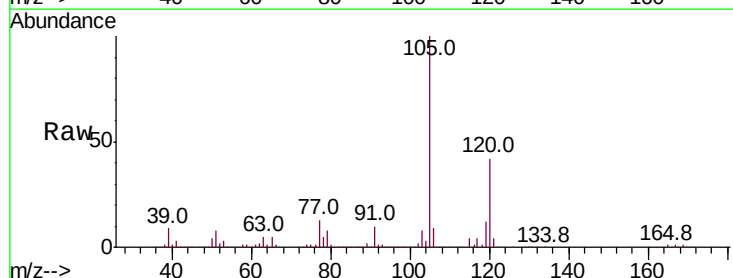
Acq: 29 Jul 2019 12:36

Tgt Ion:105 Resp: 1756642

Ion Ratio Lower Upper

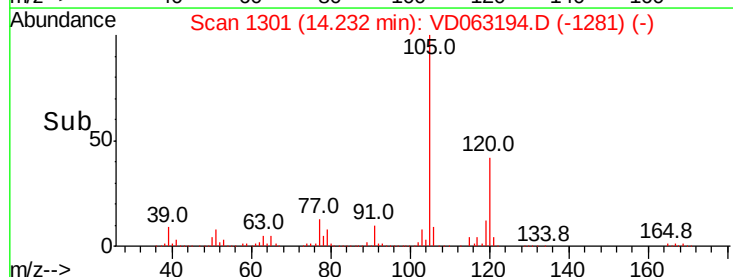
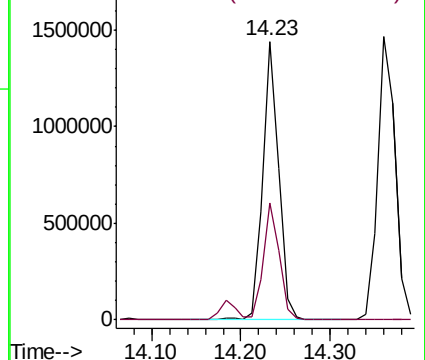
105 100

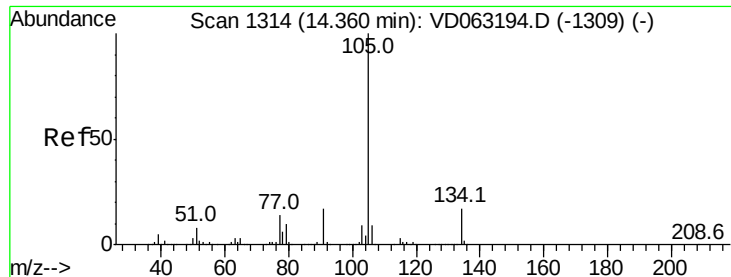
120 41.8 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 47.521 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

Instrument :

MSVOA_D

ClientSampleId :

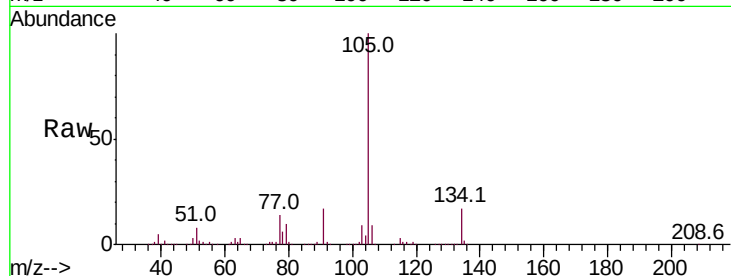
VSTDICCC050

Tot Ion:105 Resp: 1958278

Ion Ratio Lower Upper

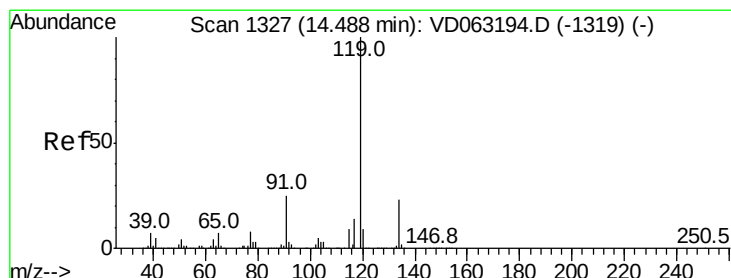
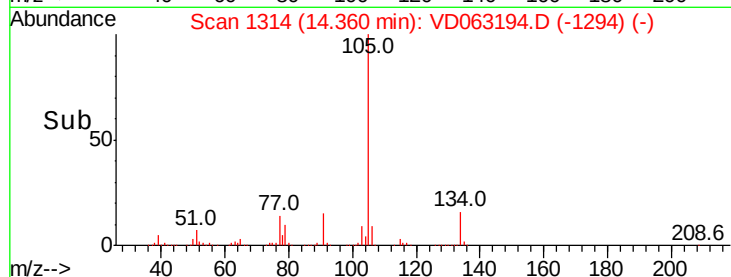
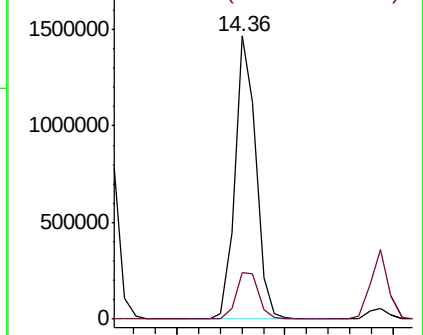
105 100

134 16.6 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: 47.007 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063194.D

Acq: 29 Jul 2019 12:36

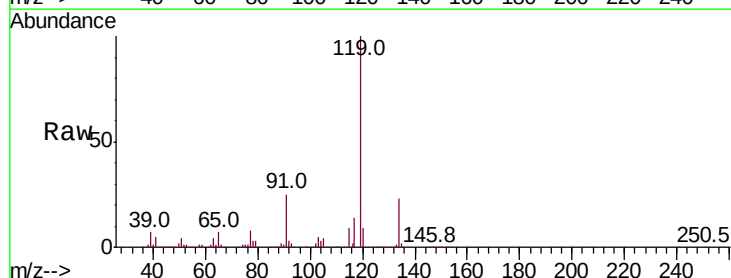
Tgt Ion:119 Resp: 1848881

Ion Ratio Lower Upper

119 100

134 23.0 11.5 34.5

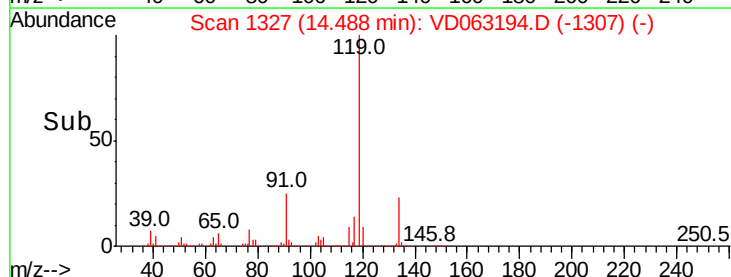
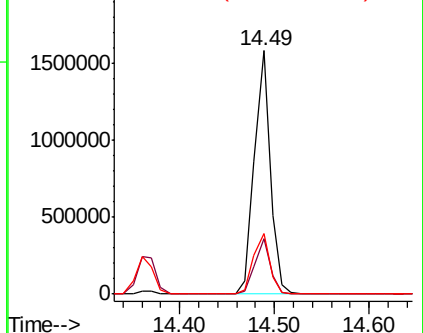
91 25.1 12.6 37.6

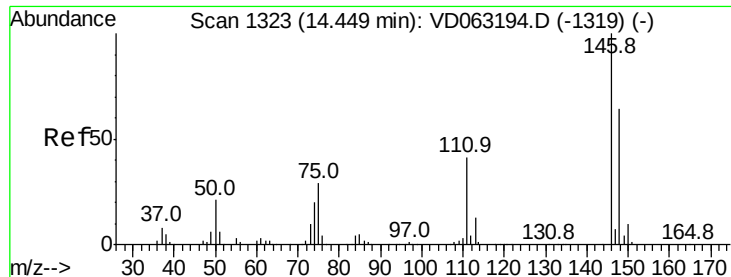


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

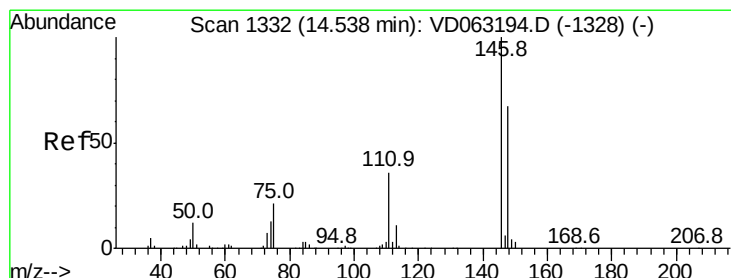
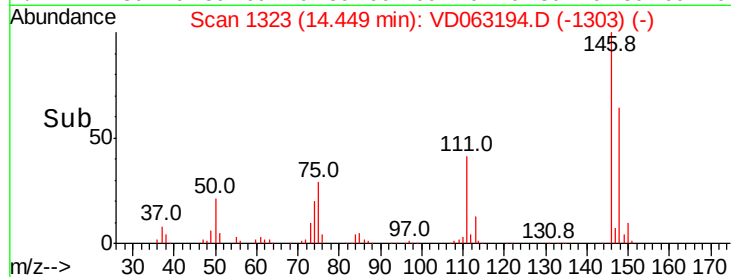
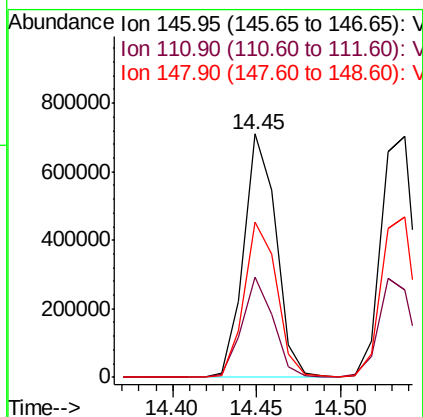
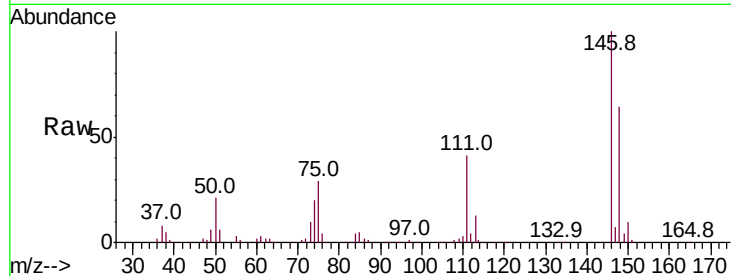




#87
 1,3-Dichlorobenzene
 Concen: 47.297 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

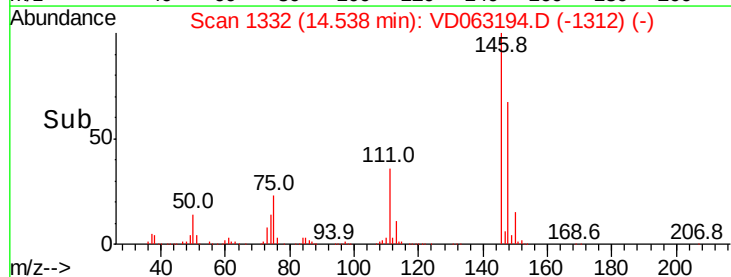
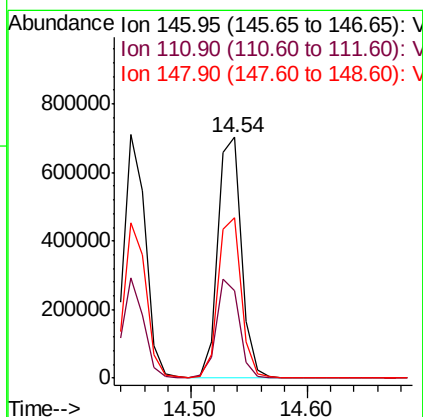
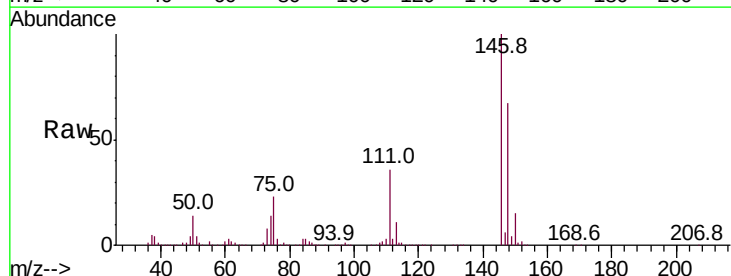
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

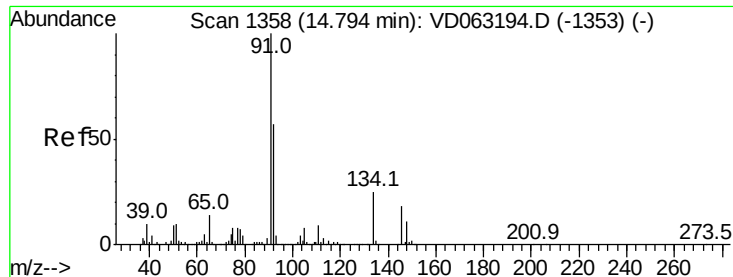
Tot Ion:146 Resp: 947665
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.4 61.3
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.596 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion:146 Resp: 984605
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.1 54.3
 148 66.7 33.4 100.1

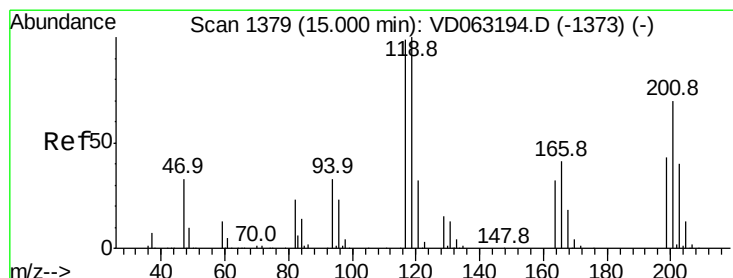
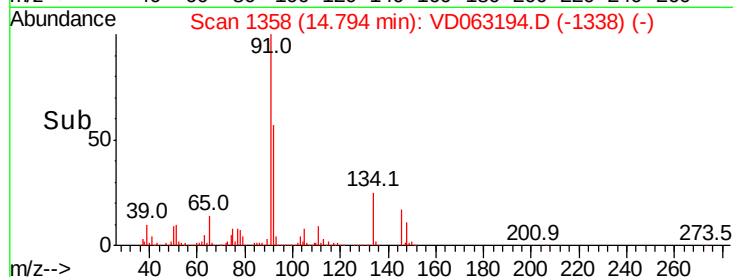
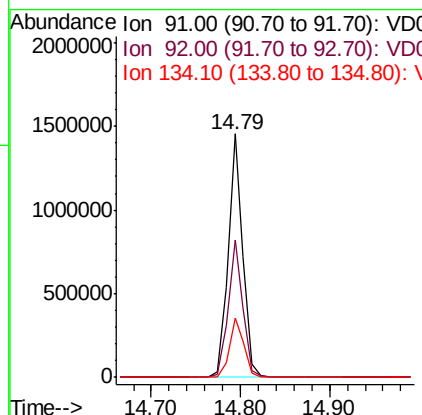
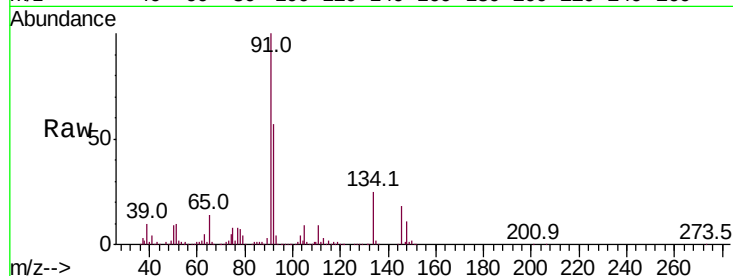




#89
n-Butylbenzene
Concen: 49.616 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

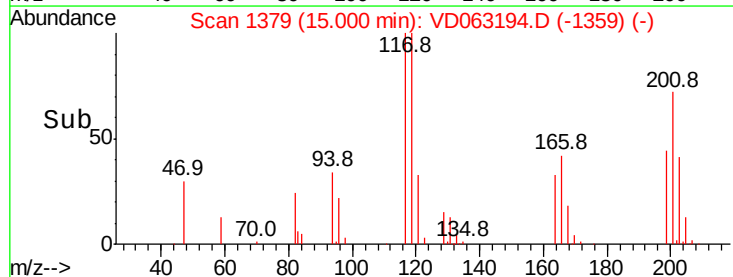
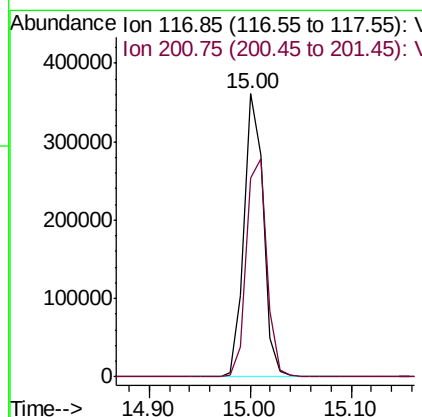
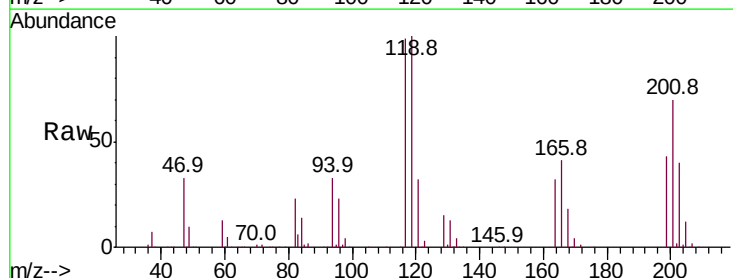
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

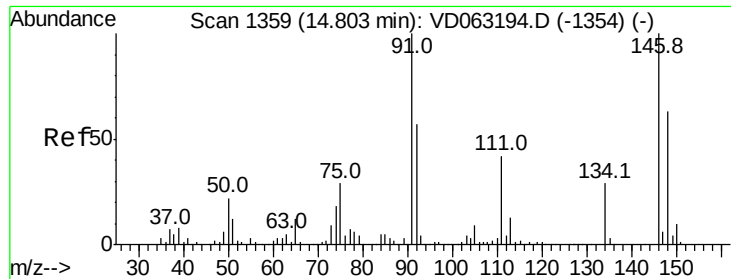
Tot Ion: 91 Resp: 1685487
Ion Ratio Lower Upper
91 100
92 56.7 28.3 85.0
134 24.5 12.3 36.8



#90
Hexachloroethane
Concen: 47.114 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion: 117 Resp: 482788
Ion Ratio Lower Upper
117 100
201 70.4 35.2 105.6

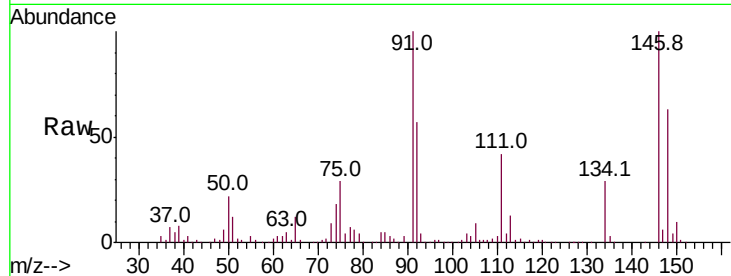




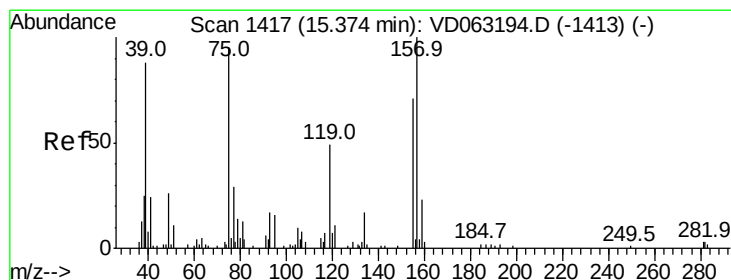
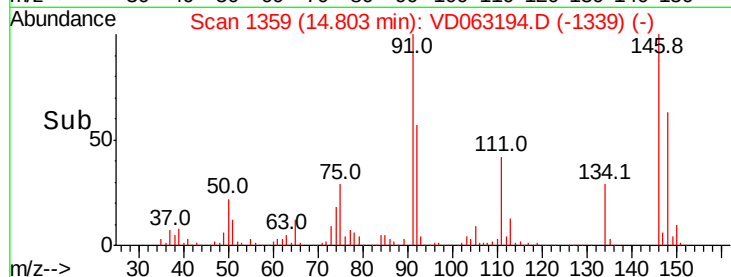
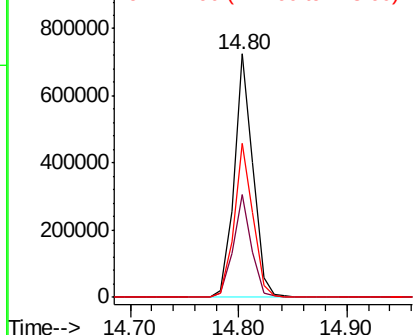
#91
 1,2-Dichlorobenzene
 Concen: 49.962 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 872203
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.3
 148 63.2 31.6 94.8

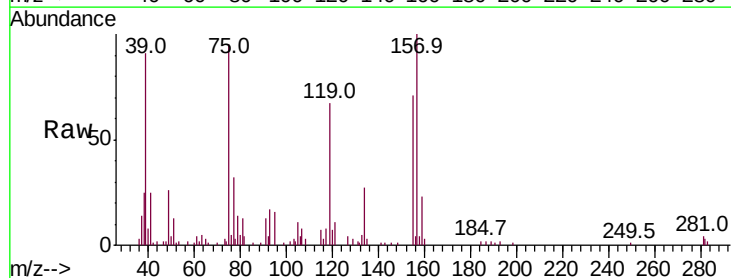


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

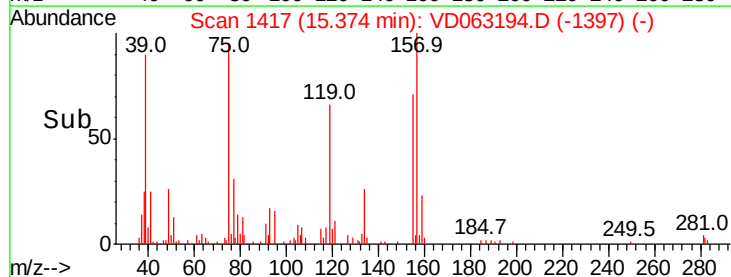
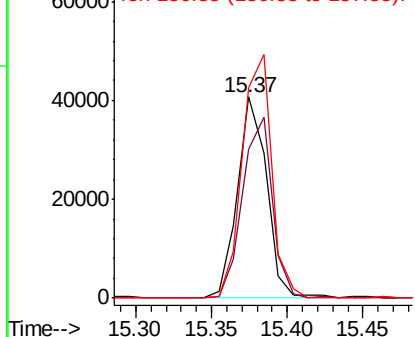


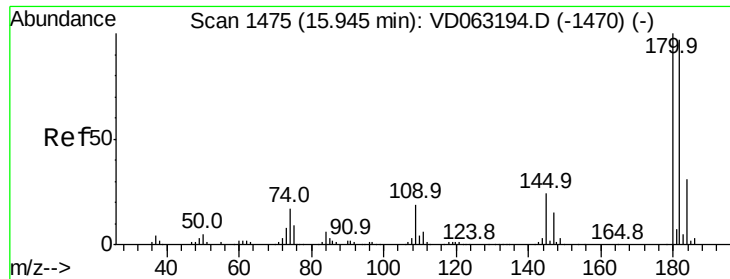
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.596 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion: 75 Resp: 54413
 Ion Ratio Lower Upper
 75 100
 155 74.0 37.0 111.0
 157 104.8 52.4 157.2



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

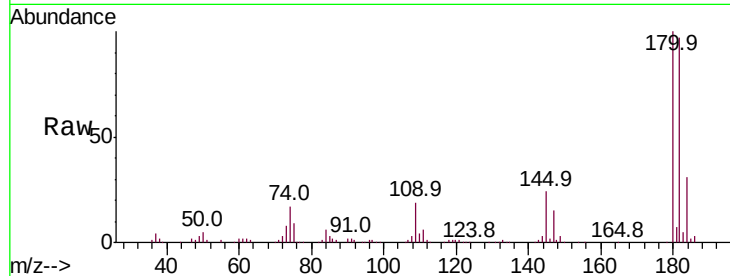




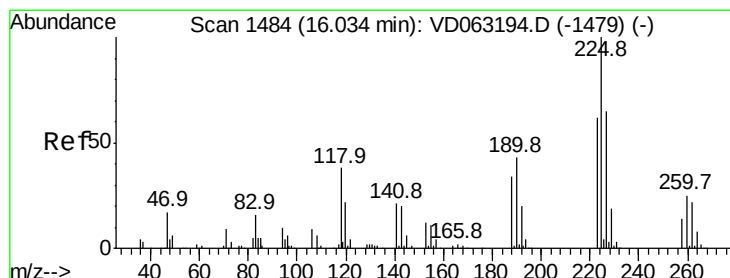
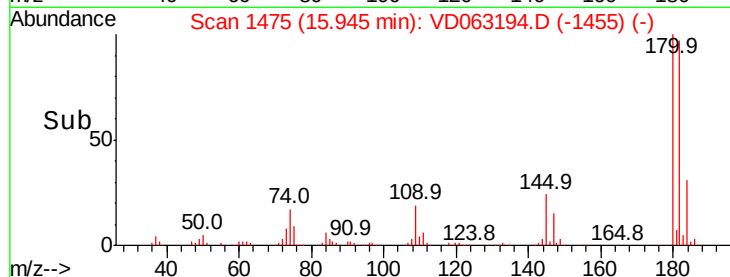
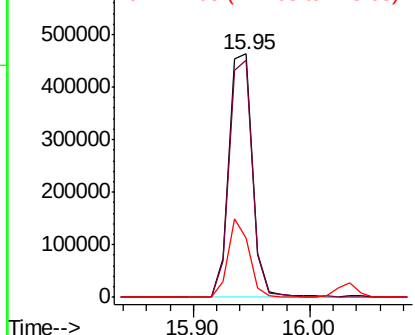
#93
 1,2,4-Trichlorobenzene
 Concen: 47.238 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 654199
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.6 145.8
 145 24.4 12.2 36.6

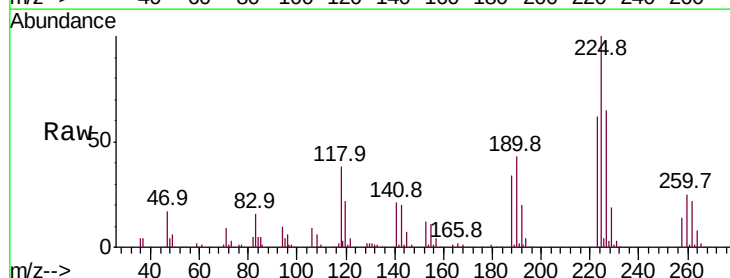


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

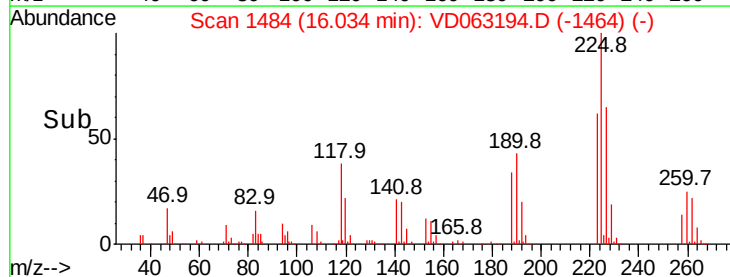
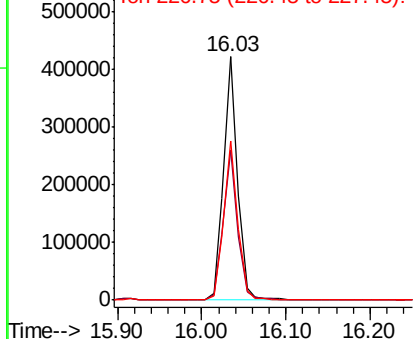


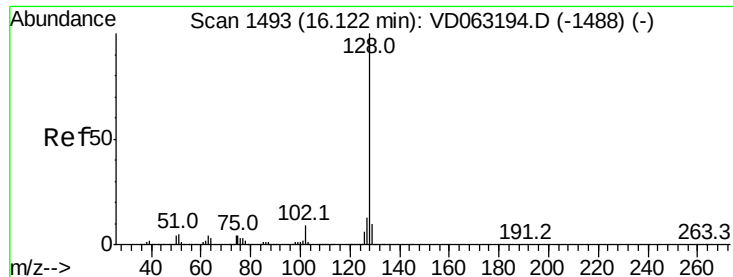
#94
 Hexachlorobutadiene
 Concen: 49.127 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063194.D
 Acq: 29 Jul 2019 12:36

Tgt Ion:225 Resp: 493040
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.9 92.5
 227 65.1 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

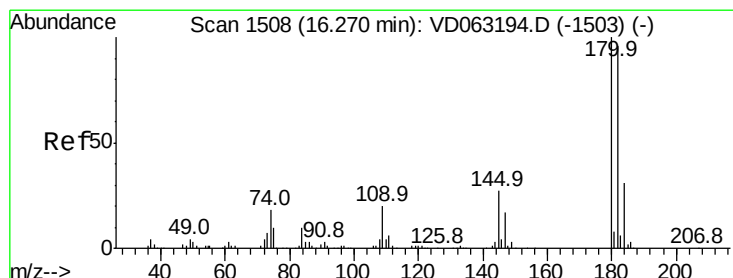
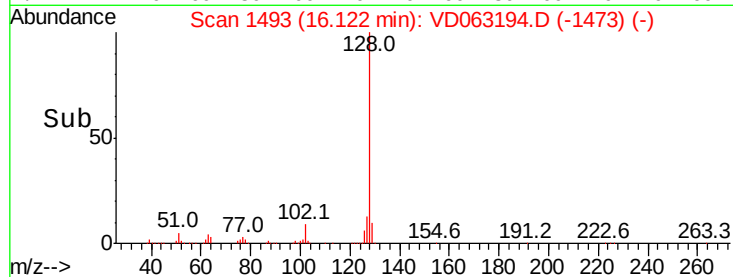
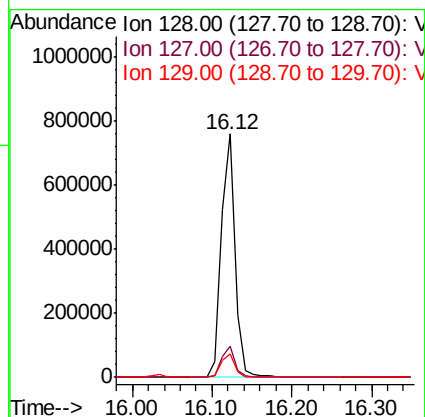
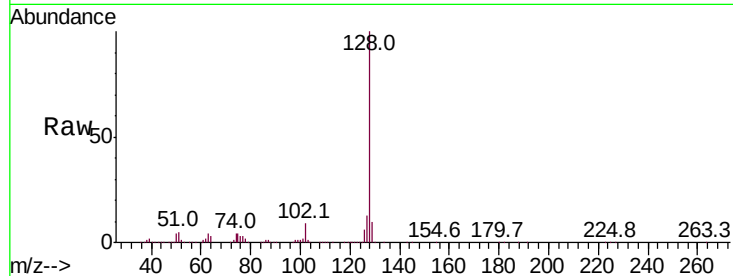




#95
Naphthalene
Concen: 47.931 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 938212
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 9.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 46.757 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063194.D
Acq: 29 Jul 2019 12:36

Tgt Ion:180 Resp: 511545
Ion Ratio Lower Upper
180 100
182 96.6 48.3 144.9
145 27.1 13.6 40.7

