

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063268.D
 Acq On : 31 Jul 2019 10:02
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 01 03:59:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1119803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1492966	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1313997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	656009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	623775	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	6.92	113	677981	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.40	98	1523174	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	13.55	95	652400	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	652171	47.645	ug/l	98
3) Chloromethane	1.75	50	520302	48.924	ug/l	95
4) Vinyl Chloride	1.85	62	562821	51.122	ug/l	96
5) Bromomethane	2.15	94	262869	47.342	ug/l	96
6) Chloroethane	2.27	64	241345	47.481	ug/l #	89
7) Trichlorofluoromethane	2.54	101	1097584	51.389	ug/l	100
8) Diethyl Ether	2.87	74	134069	44.852	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	622935	52.652	ug/l	95
10) Methyl Iodide	3.29	142	872479	51.048	ug/l	98
11) Tert butyl alcohol	4.07	59	111426	204.346	ug/l	97
12) 1,1-Dichloroethene	3.13	96	463581	53.374	ug/l	85
13) Acrolein	3.03	56	123112	234.597	ug/l	86
14) Allyl chloride	3.61	41	693484	50.120	ug/l	91
15) Acrylonitrile	4.19	53	319537	226.031	ug/l	94
16) Acetone	3.22	43	661005	273.037	ug/l	97
17) Carbon Disulfide	3.37	76	1388006	47.744	ug/l	100
18) Methyl Acetate	3.64	43	207912	44.710	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	923629	47.077	ug/l	99
20) Methylene Chloride	3.81	84	455079	46.505	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	497656	51.065	ug/l	99
22) Diisopropyl ether	5.12	45	1310815	47.418	ug/l	96
23) Vinyl Acetate	5.06	43	4120126	242.464	ug/l	99
24) 1,1-Dichloroethane	4.98	63	880240	49.851	ug/l	99
25) 2-Butanone	6.07	43	573415	236.011	ug/l	93
26) 2,2-Dichloropropane	6.02	77	969592	53.284	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	523760	50.127	ug/l	95
28) Bromochloromethane	6.43	49	320343	45.534	ug/l #	95
29) Tetrahydrofuran	6.45	42	256007	222.557	ug/l	97
30) Chloroform	6.66	83	1100268	50.210	ug/l	94
31) Cyclohexane	6.95	56	536669	48.489	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	1121696	52.920	ug/l	98
36) 1,1-Dichloropropene	7.14	75	700824	51.436	ug/l	99
37) Ethyl Acetate	6.18	43	260695	42.588	ug/l #	98
38) Carbon Tetrachloride	7.10	117	1183290	57.687	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	596483	52.544	ug/l	92
40) Benzene	7.45	78	1487649	52.096	ug/l	99
41) Methacrylonitrile	6.44	41	357288	48.795	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	810451	53.552	ug/l	97
43) Isopropyl Acetate	9.24	43	383757	49.079	ug/l #	96
44) Trichloroethene	8.54	130	608404	52.579	ug/l	100
45) 1,2-Dichloropropane	8.94	63	351558	48.436	ug/l	94
46) Dibromomethane	9.06	93	295785	49.011	ug/l	96
47) Bromodichloromethane	9.37	83	794595	51.651	ug/l	97
48) Methyl methacrylate	9.12	41	245581	48.426	ug/l	95
49) 1,4-Dioxane	9.08	88	42214	982.578	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	1265255	237.931	ug/l	98
52) Toluene	10.50	92	1005703	52.952	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	682990	51.496	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	722641	51.842	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	319758	49.850	ug/l	95
56) Ethyl methacrylate	11.04	69	361209	51.425	ug/l	90
57) 1,3-Dichloropropane	11.41	76	515077	50.965	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	767949	210.117	ug/l	93
59) 2-Hexanone	11.53	43	963857	251.516	ug/l	99
60) Dibromochloromethane	11.68	129	612957	50.618	ug/l	96
61) 1,2-Dibromoethane	11.80	107	391347	49.444	ug/l	94
64) Tetrachloroethene	11.25	164	523662	50.024	ug/l	96
65) Chlorobenzene	12.39	112	1235200	48.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	548964	49.310	ug/l	96
67) Ethyl Benzene	12.52	91	2159862	50.305	ug/l	98
68) m/p-Xylenes	12.67	106	1494951	94.944	ug/l	96
69) o-Xylene	13.05	106	735081	50.838	ug/l	86
70) Styrene	13.07	104	1226213	47.820	ug/l	99
71) Bromoform	13.23	173	365265	45.116	ug/l #	97
73) Isopropylbenzene	13.40	105	2212633	53.740	ug/l	97
74) N-amyl acetate	13.27	43	535867	49.232	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	359330	51.378	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	387419	49.168	ug/l	99
77) Bromobenzene	13.67	156	590304	50.329	ug/l	84
78) n-propylbenzene	13.77	91	2432448	49.645	ug/l	96
79) 2-Chlorotoluene	13.84	91	1454671	51.238	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1842106	51.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	101420	46.353	ug/l #	84
82) 4-Chlorotoluene	13.95	91	1708784	51.143	ug/l	97
83) tert-Butylbenzene	14.18	119	2138732	52.746	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1855290	50.510	ug/l	100
85) sec-Butylbenzene	14.37	105	2149742	50.321	ug/l	96
86) p-Isopropyltoluene	14.49	119	2139101	52.462	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1073381	51.677	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	1076774	51.265	ug/l	97
89) n-Butylbenzene	14.79	91	1722622	48.915	ug/l	97
90) Hexachloroethane	15.00	117	533055	50.179	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	833733	46.069	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	60904	42.751	ug/l	95

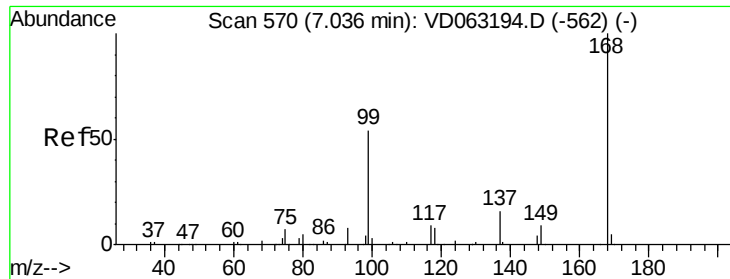
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	675580	47.056	ug/l	98
94) Hexachlorobutadiene	16.03	225	542371	52.131	ug/l	97
95) Naphthalene	16.12	128	975655	48.081	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	523431	46.151	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

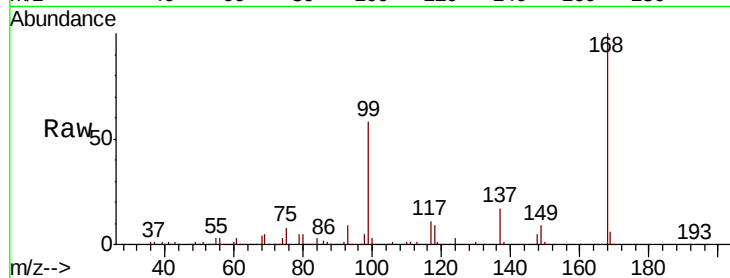
VSTDCCC050

Tot Ion:168 Resp: 1119803

Ion Ratio Lower Upper

168 100

99 58.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

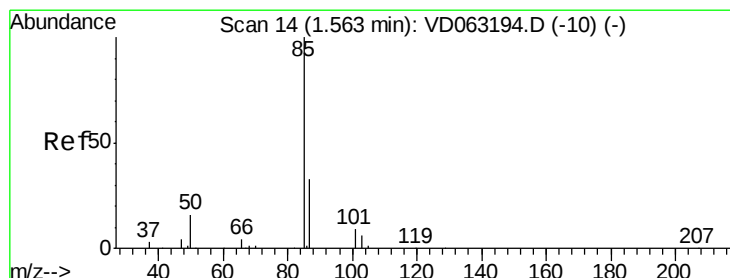
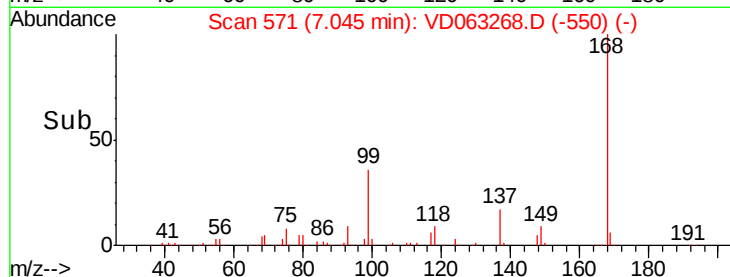
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.645 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063268.D

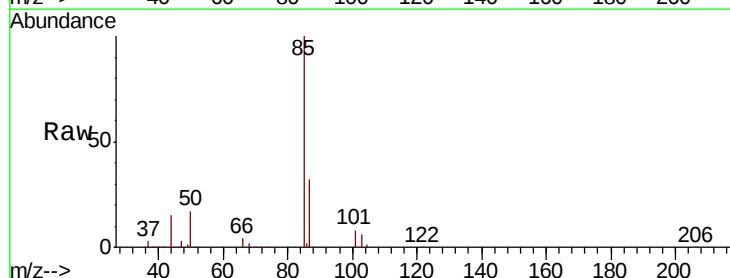
Acq: 31 Jul 2019 10:02

Tgt Ion: 85 Resp: 652171

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

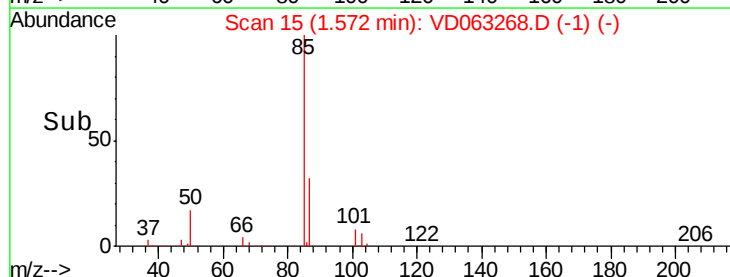
200000

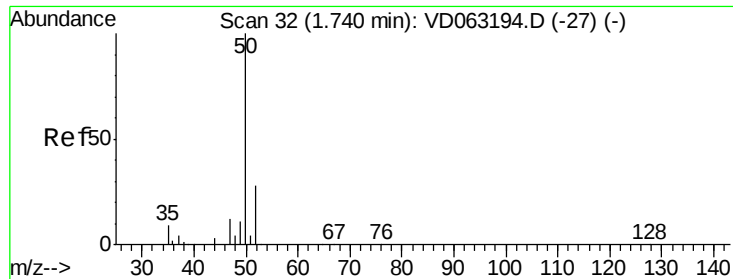
100000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 48.924 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

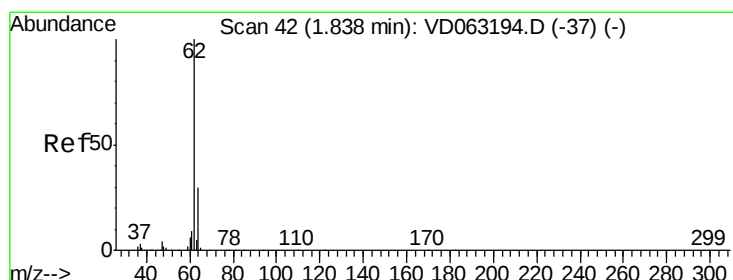
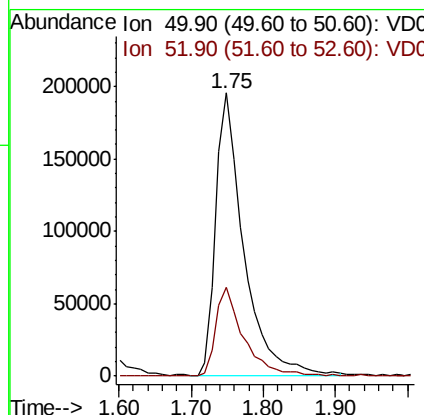
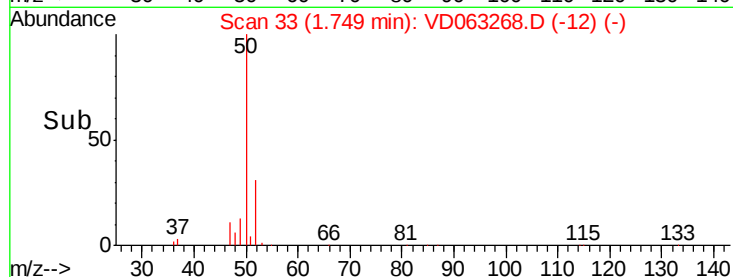
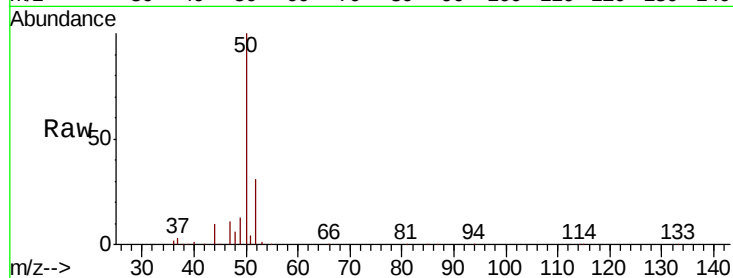
VSTDCCC050

Tot Ion: 50 Resp: 520302

Ion Ratio Lower Upper

50 100

52 31.2 22.6 34.0



#4

Vinyl Chloride

Concen: 51.122 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063268.D

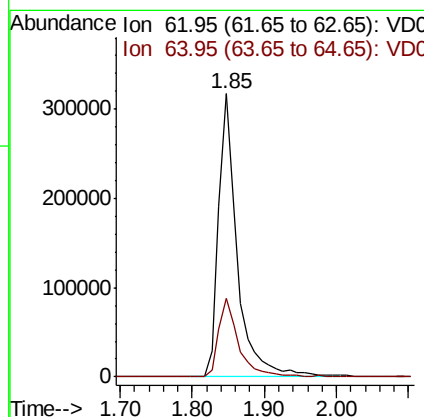
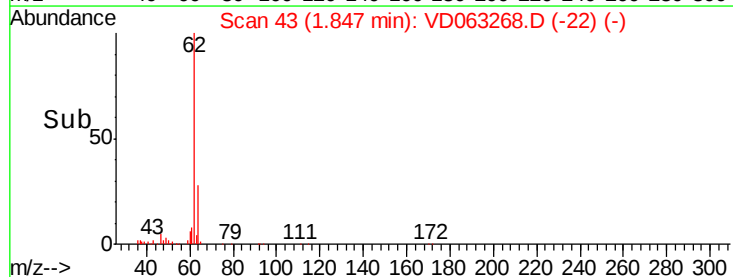
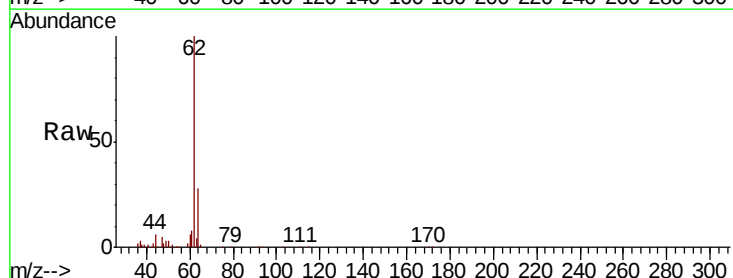
Acq: 31 Jul 2019 10:02

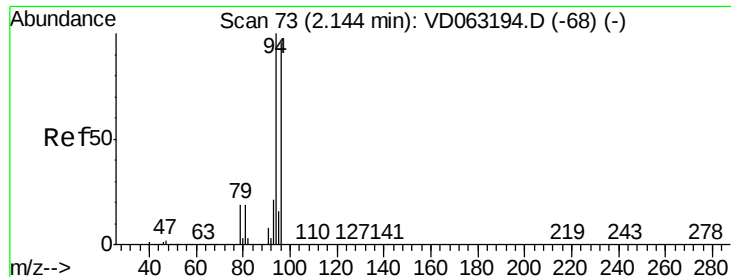
Tgt Ion: 62 Resp: 562821

Ion Ratio Lower Upper

62 100

64 27.9 24.1 36.1





#5

Bromomethane

Concen: 47.342 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

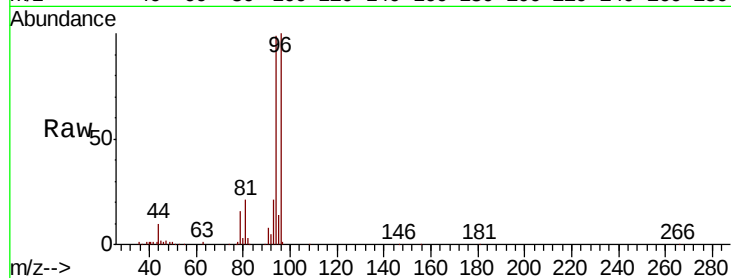
Tot Ion: 94 Resp: 262869

Ion Ratio Lower Upper

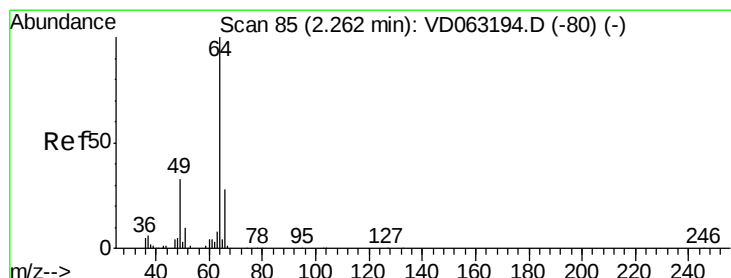
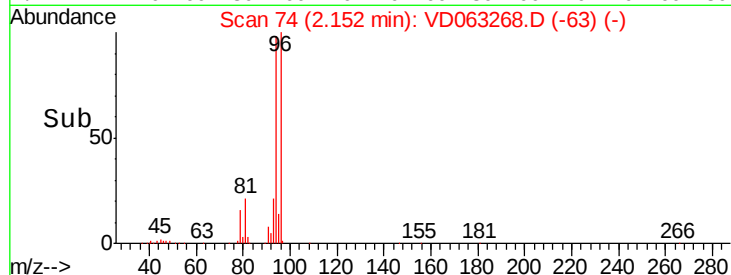
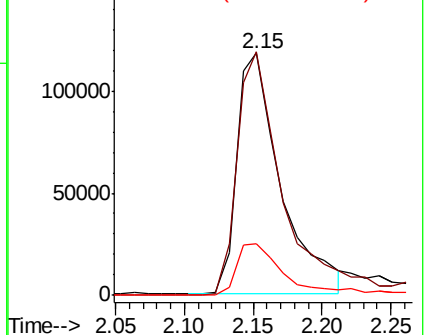
94 100

96 100.6 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: 47.481 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063268.D

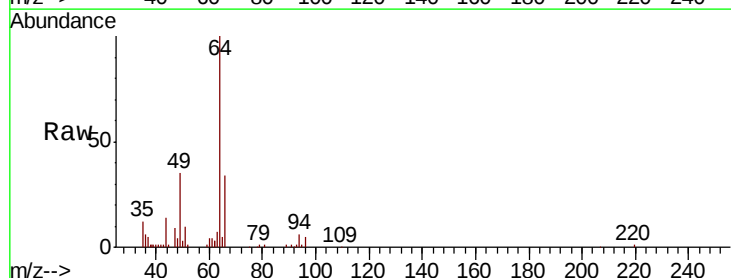
Acq: 31 Jul 2019 10:02

Tgt Ion: 64 Resp: 241345

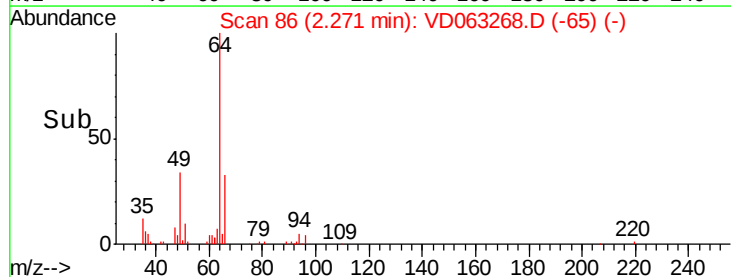
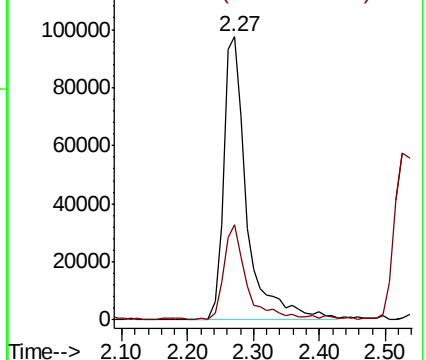
Ion Ratio Lower Upper

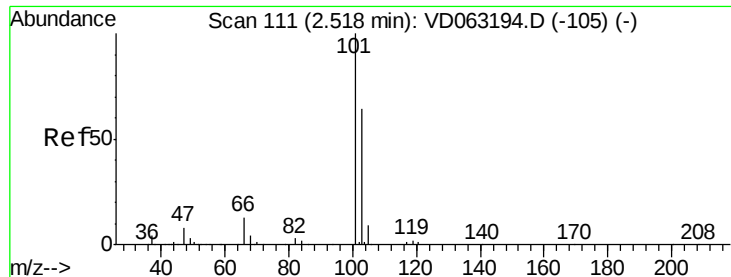
64 100

66 33.6 22.2 33.2#



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



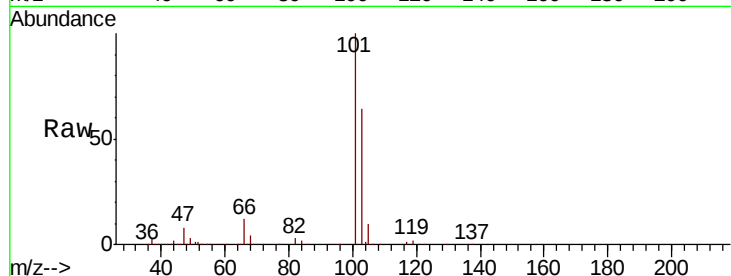


#7

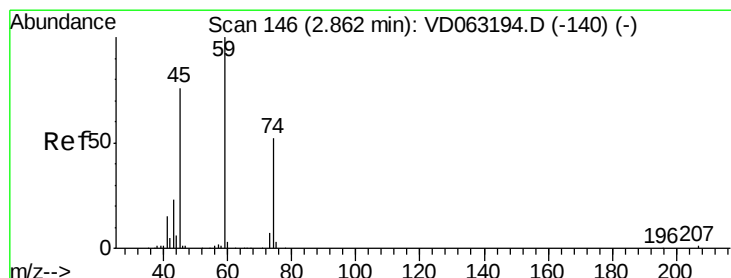
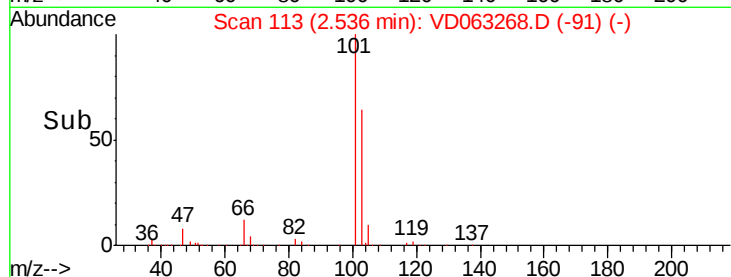
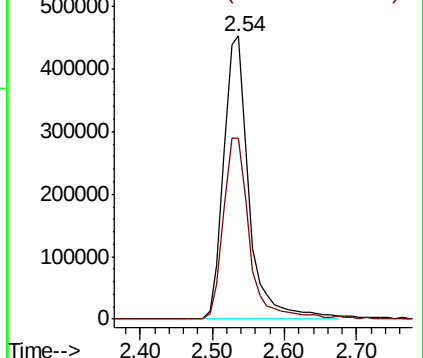
Trichlorofluoromethane
Concen: 51.389 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 1097584
Ion Ratio Lower Upper
101 100
103 64.1 51.5 77.3



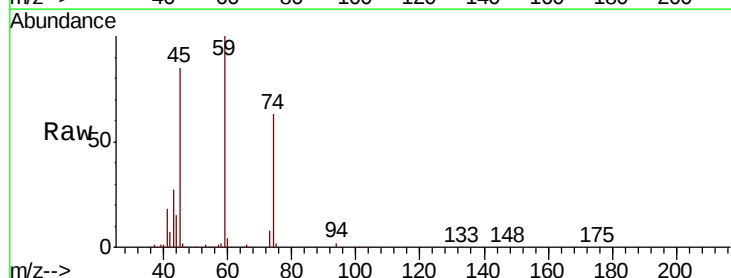
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



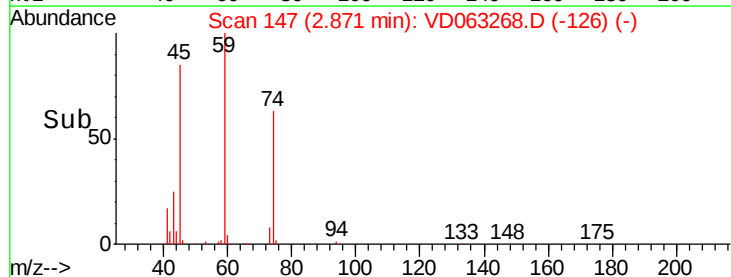
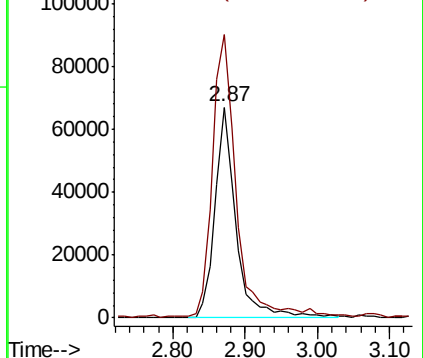
#8

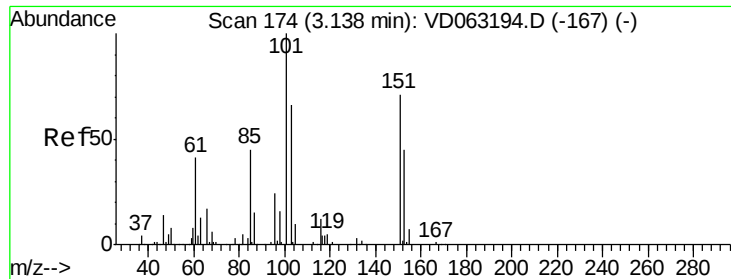
Diethyl Ether
Concen: 44.852 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 74 Resp: 134069
Ion Ratio Lower Upper
74 100
45 134.1 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: 52.652 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

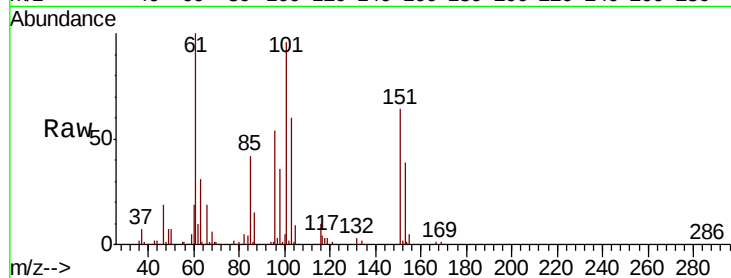
Tot Ion:101 Resp: 622935

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

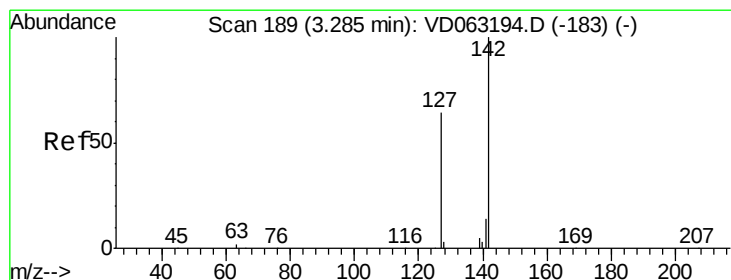
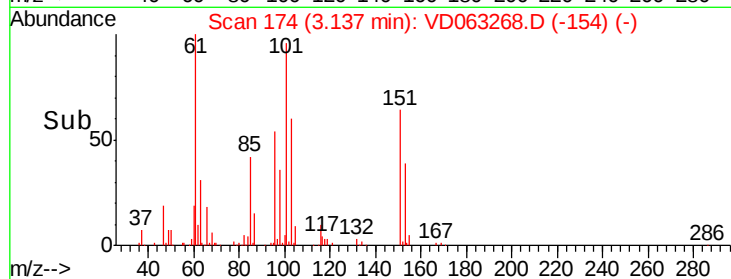
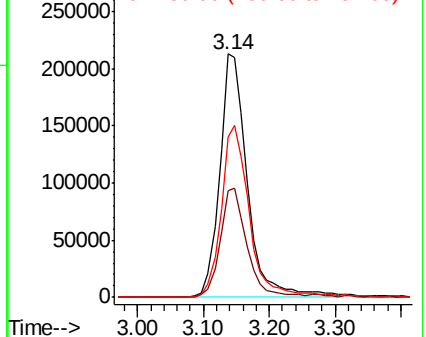
151 66.0 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.048 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

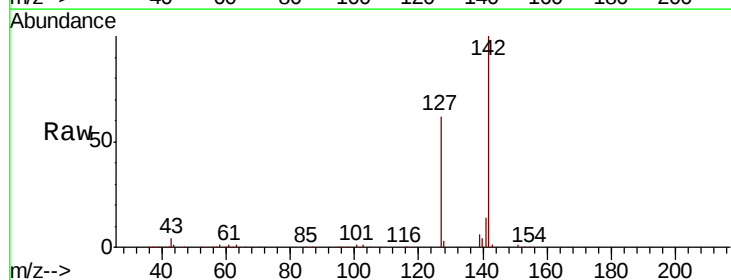
Tgt Ion:142 Resp: 872479

Ion Ratio Lower Upper

142 100

127 61.5 50.8 76.2

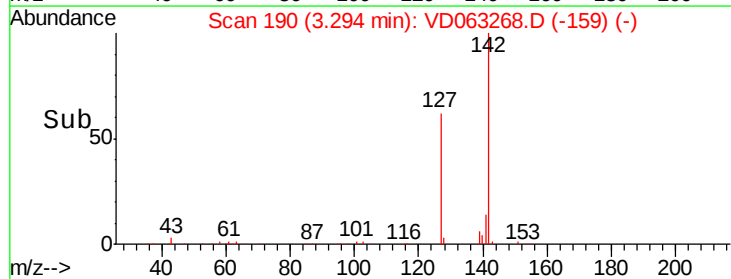
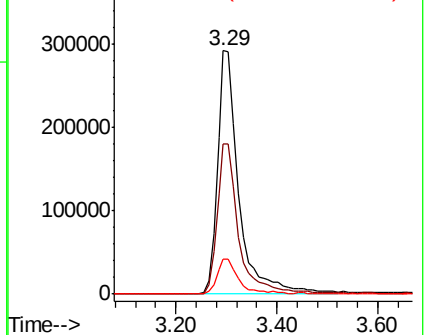
141 14.1 11.4 17.2

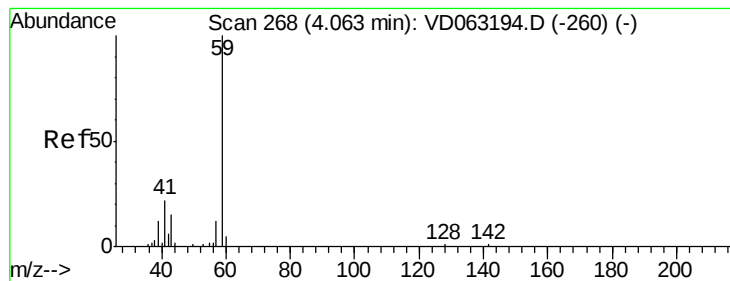


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



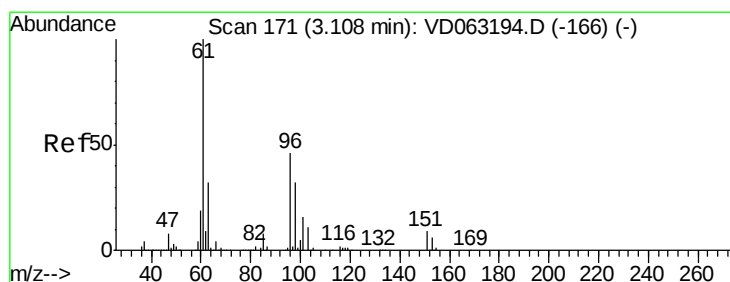
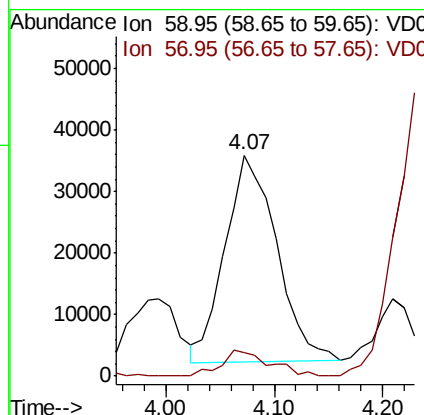
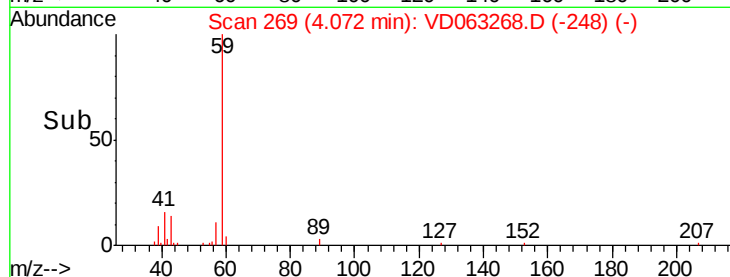
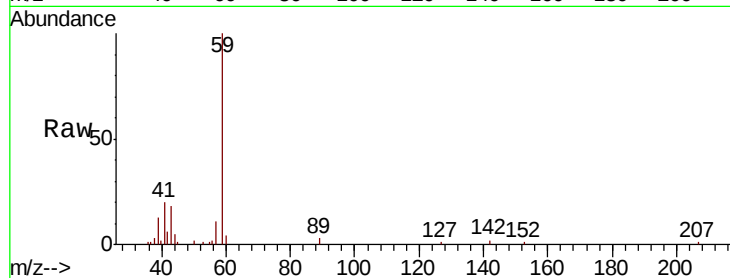


#11

Tert butyl alcohol
Concen: 204.346 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

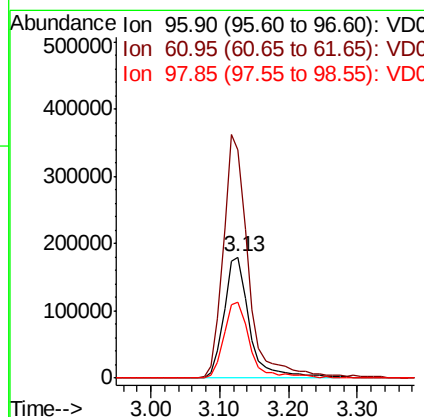
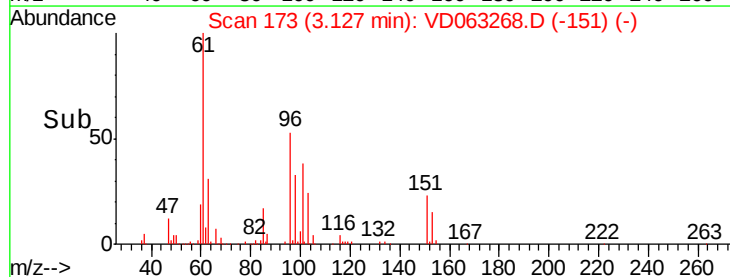
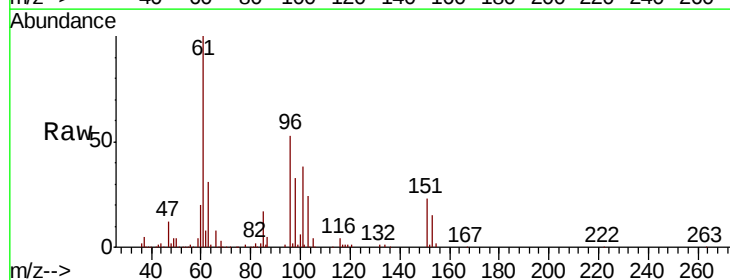
Tot Ion: 59 Resp: 111426
Ion Ratio Lower Upper
59 100
57 10.7 9.6 14.4

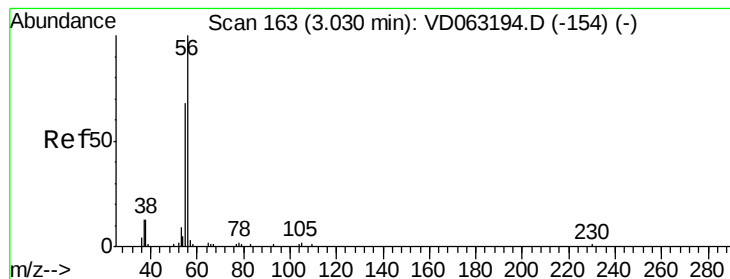


#12

1,1-Dichloroethene
Concen: 53.374 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 96 Resp: 463581
Ion Ratio Lower Upper
96 100
61 189.0 173.7 260.5
98 63.1 55.8 83.8





#13

Acrolein

Concen: 234.597 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

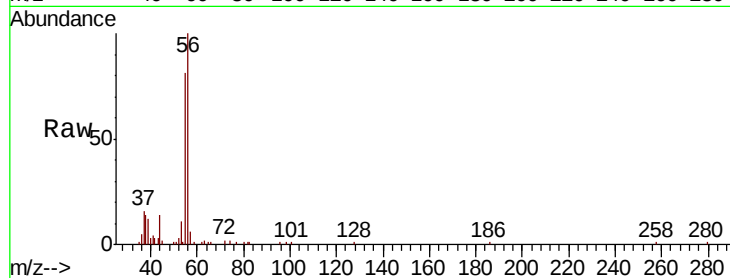
VSTDCCC050

Tot Ion: 56 Resp: 123112

Ion Ratio Lower Upper

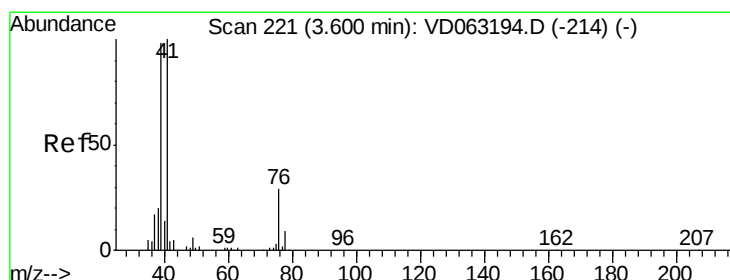
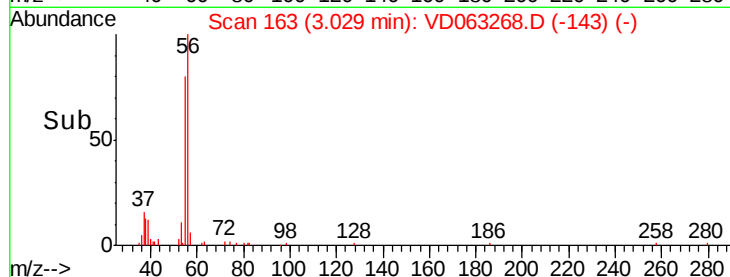
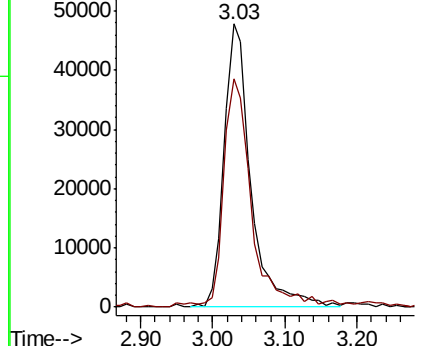
56 100

55 80.9 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.120 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

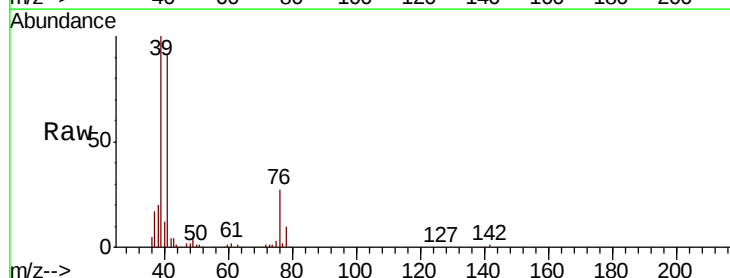
Tgt Ion: 41 Resp: 693484

Ion Ratio Lower Upper

41 100

39 109.9 78.6 117.8

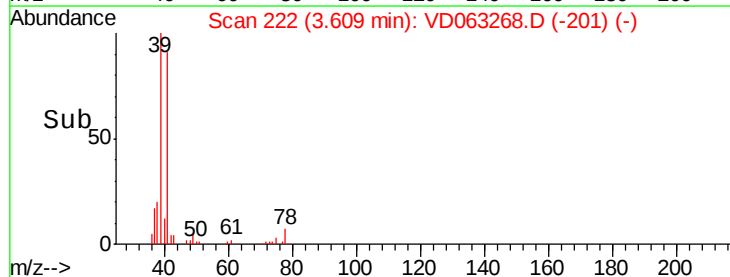
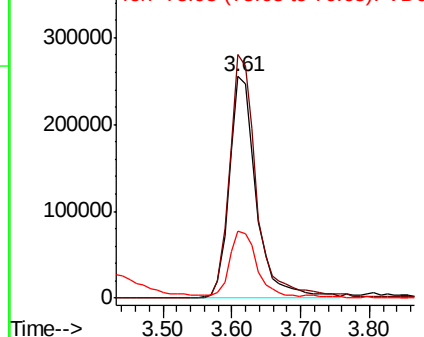
76 30.2 24.5 36.7

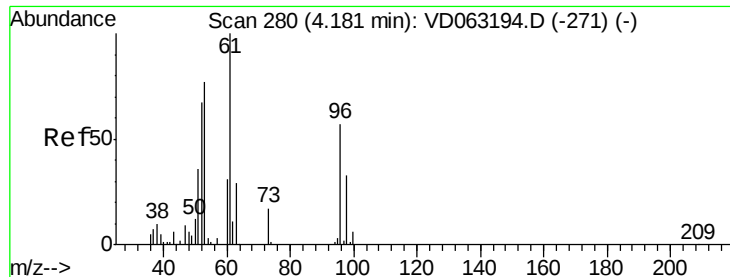


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 226.031 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

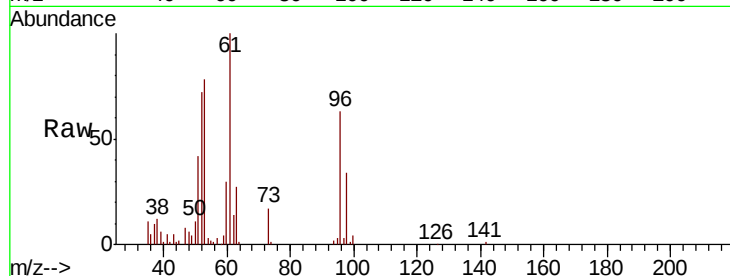
Tot Ion: 53 Resp: 319537

Ion Ratio Lower Upper

53 100

52 91.2 69.7 104.5

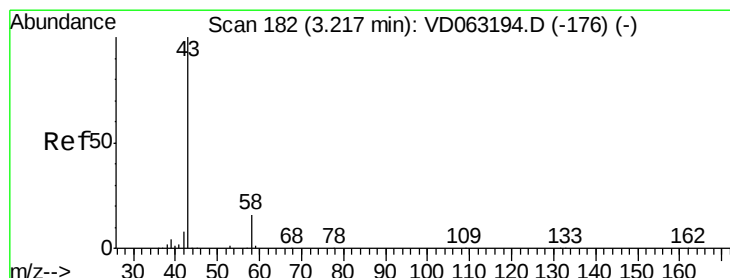
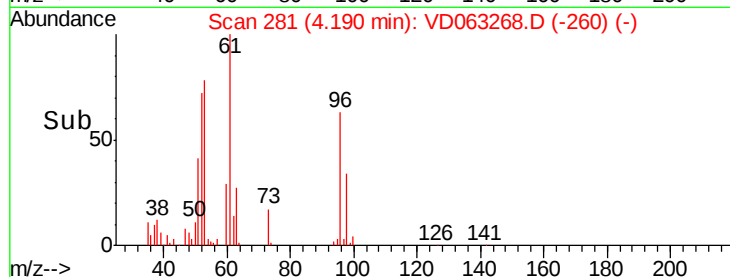
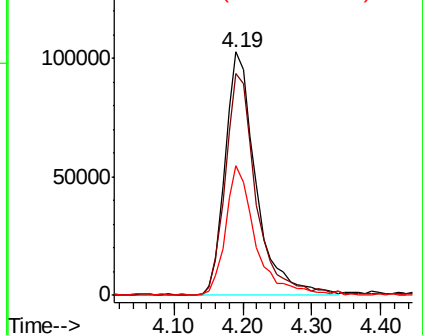
51 53.0 37.4 56.0



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: 273.037 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063268.D

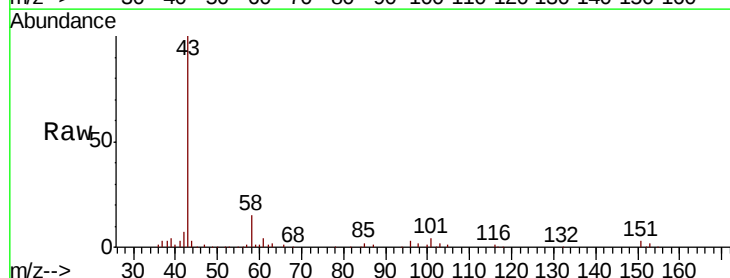
Acq: 31 Jul 2019 10:02

Tgt Ion: 43 Resp: 661005

Ion Ratio Lower Upper

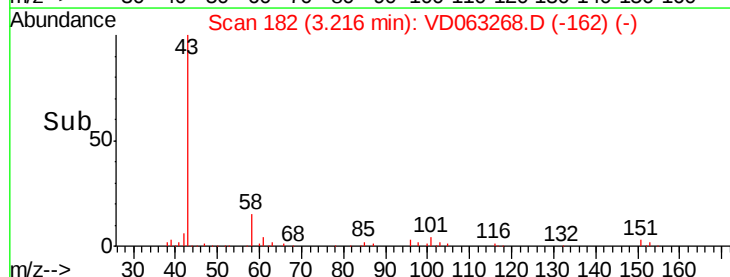
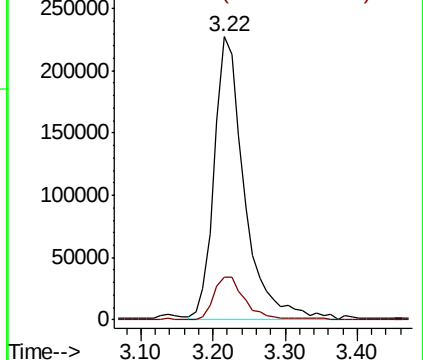
43 100

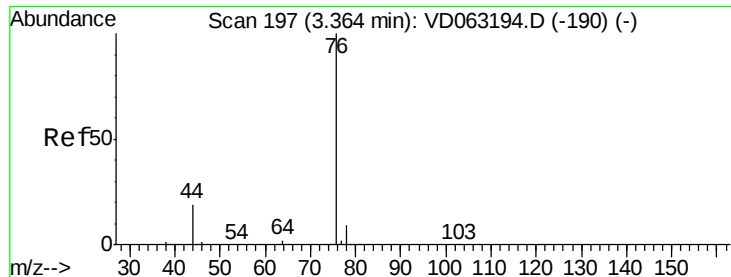
58 15.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

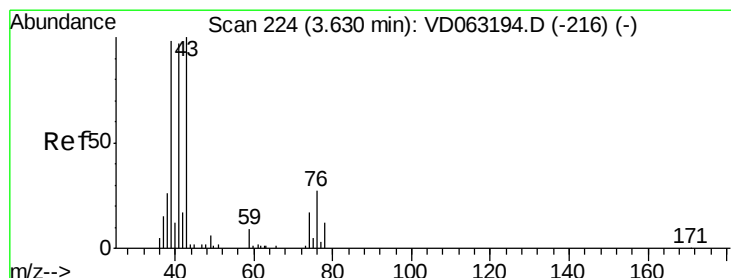
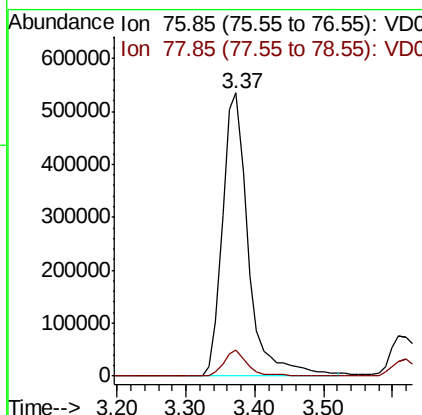
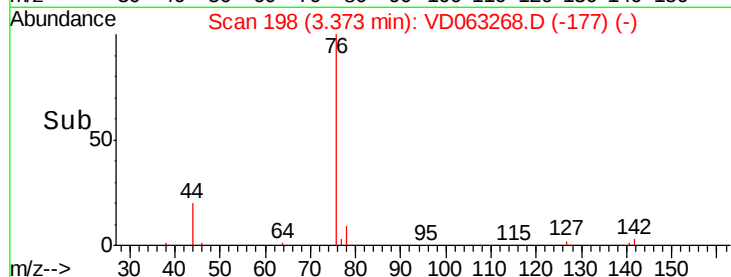
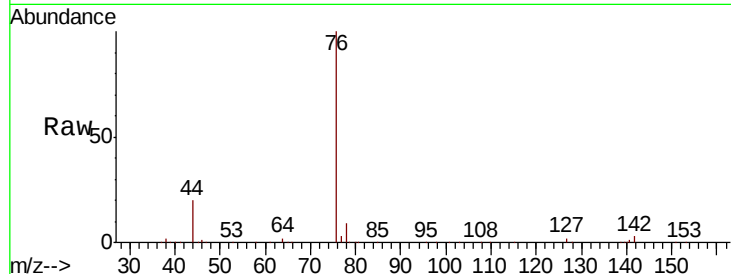




#17
Carbon Disulfide
Concen: 47.744 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

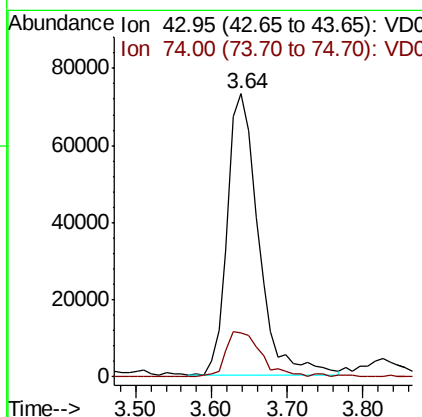
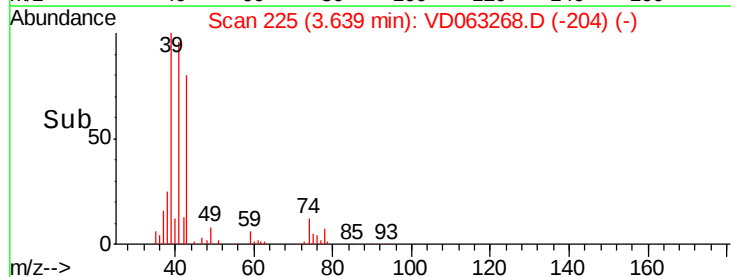
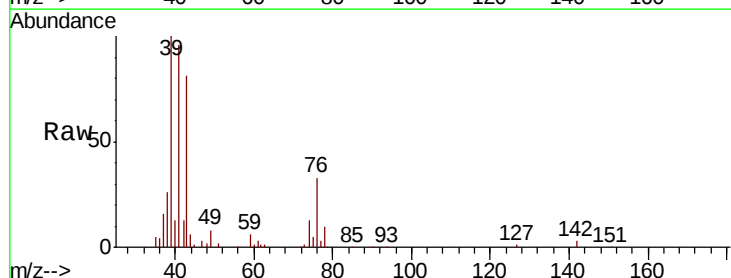
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

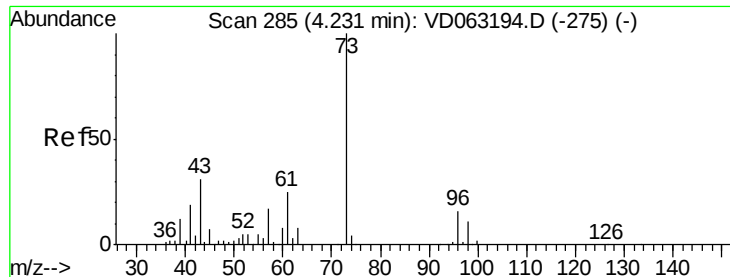
Tot Ion: 76 Resp: 1388006
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 44.710 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 43 Resp: 207912
Ion Ratio Lower Upper
43 100
74 15.7 13.8 20.8

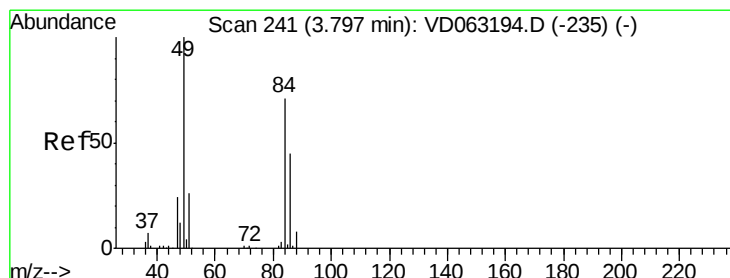
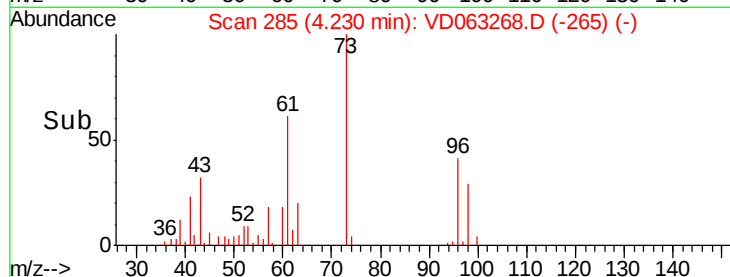
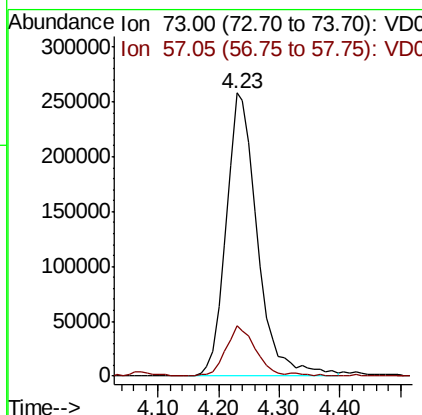
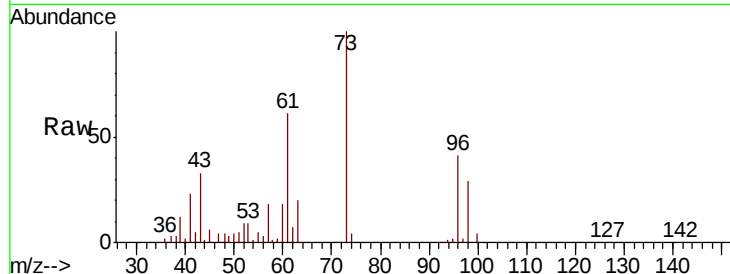




#19
Methvl tert-butvl Ether
Concen: 47.077 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

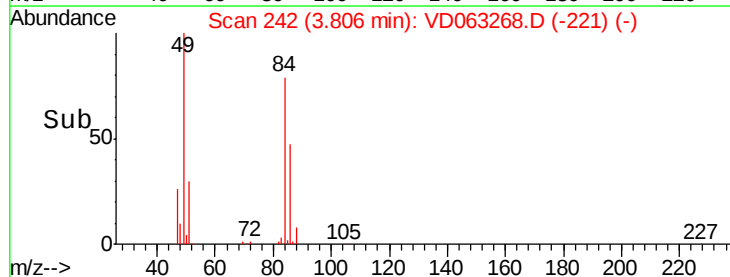
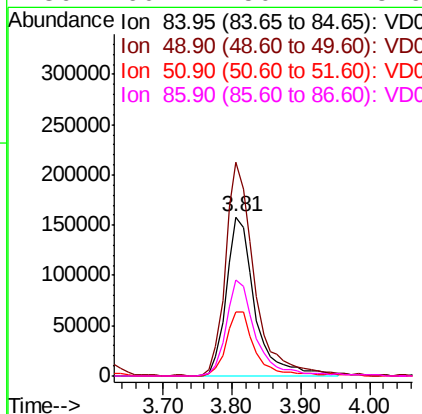
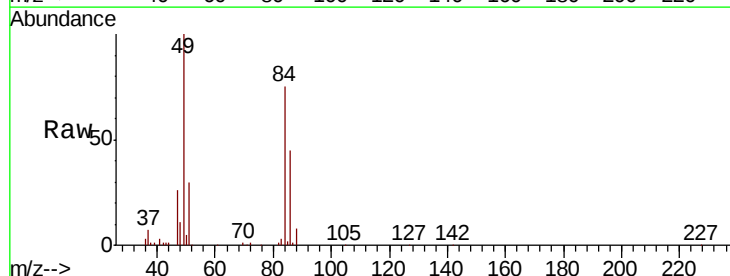
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

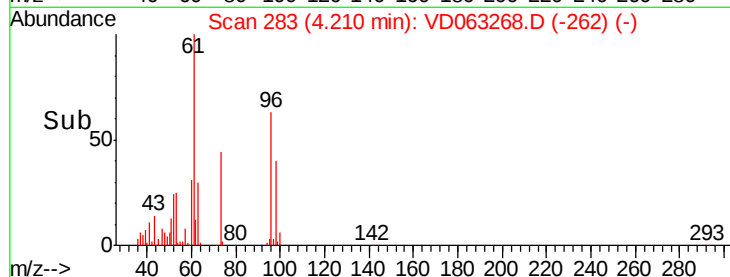
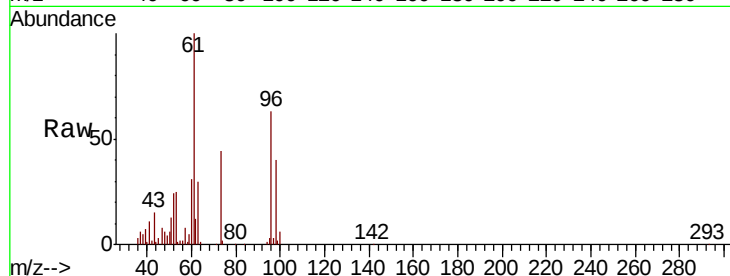
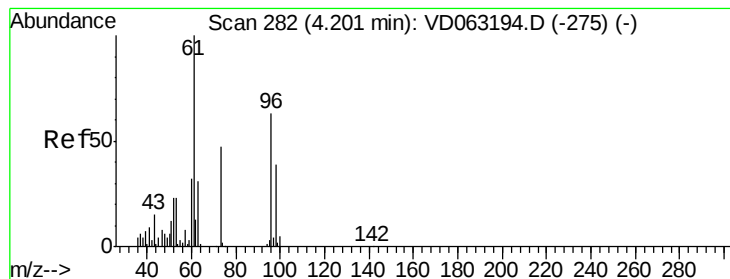
Tot Ion: 73 Resp: 923629
Ion Ratio Lower Upper
73 100
57 17.8 13.8 20.6



#20
Methylene Chloride
Concen: 46.505 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 84 Resp: 455079
Ion Ratio Lower Upper
84 100
49 134.1 112.5 168.7
51 40.2 29.6 44.4
86 60.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 51.065 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

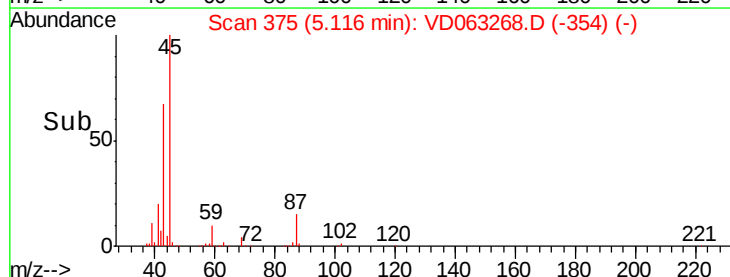
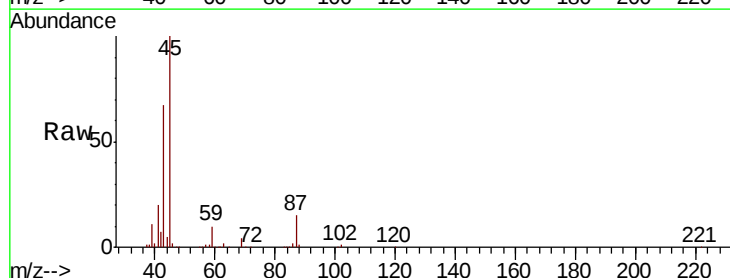
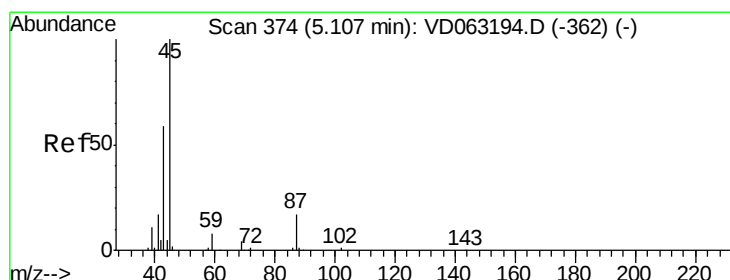
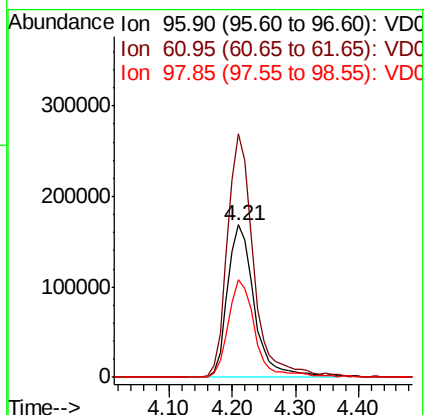
Tot Ion: 96 Resp: 497656

Ion Ratio Lower Upper

96 100

61 159.6 127.4 191.2

98 63.7 49.3 73.9



#22

Diisopropyl ether

Concen: 47.418 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Tgt Ion: 45 Resp: 1310815

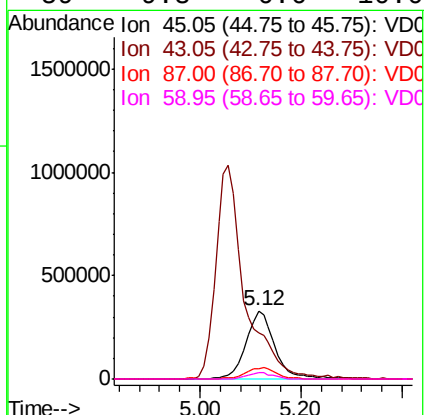
Ion Ratio Lower Upper

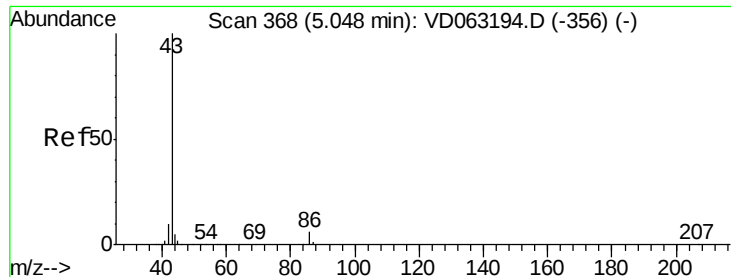
45 100

43 67.2 51.7 77.5

87 15.4 14.6 21.8

59 9.8 6.6 10.0





#23

Vinyl Acetate

Concen: 242.464 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

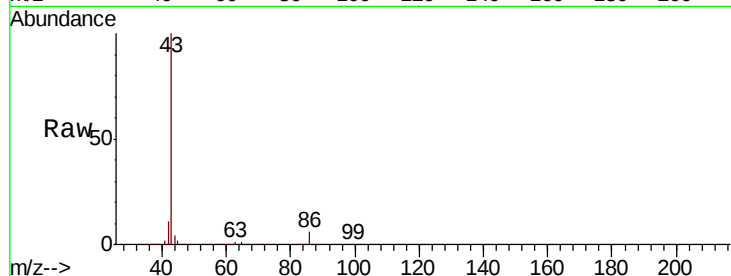
VSTDCCC050

Tot Ion: 43 Resp: 4120126

Ion Ratio Lower Upper

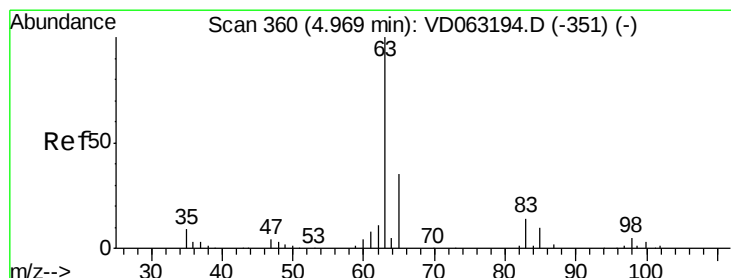
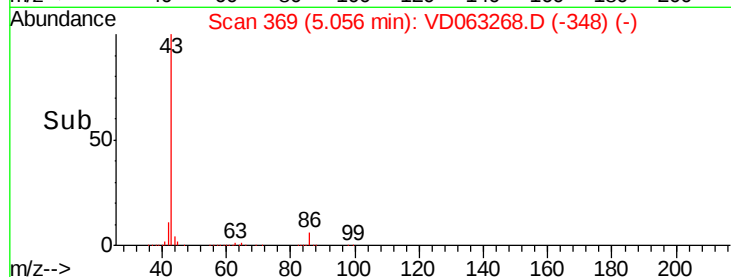
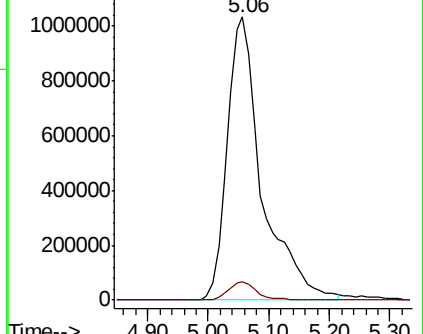
43 100

86 6.4 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: 49.851 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

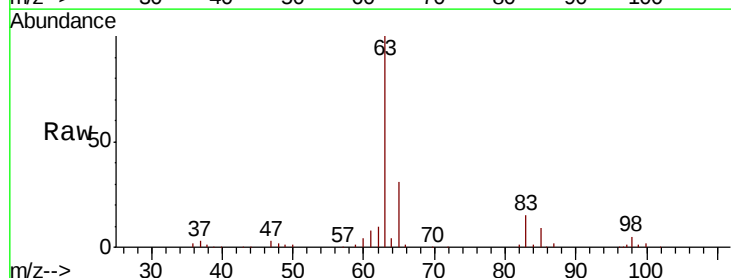
Tgt Ion: 63 Resp: 880240

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

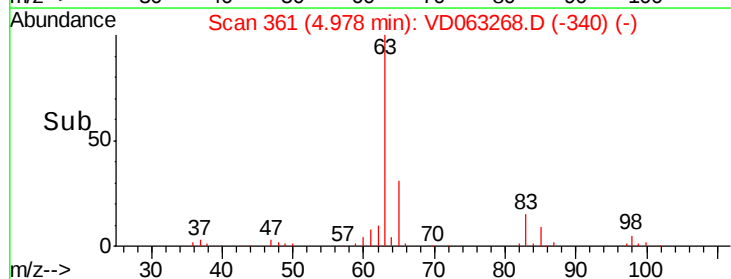
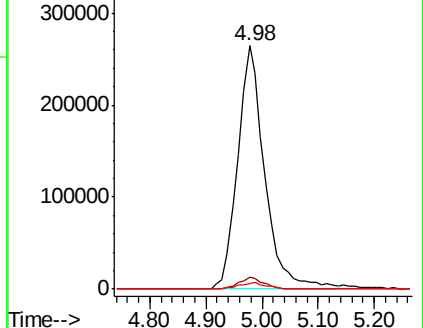
100 2.5 1.3 3.9

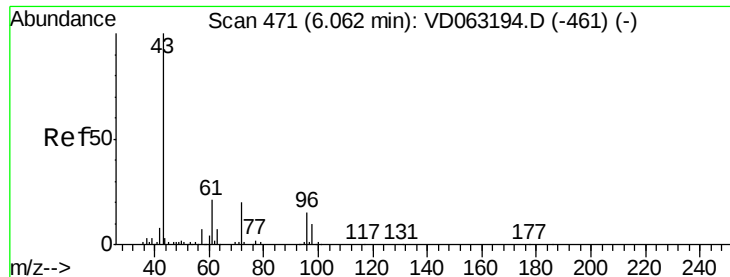


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 236.011 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

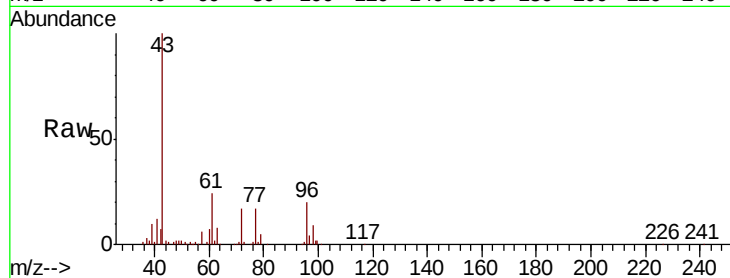
VSTDCCC050

Tot Ion: 43 Resp: 573415

Ion Ratio Lower Upper

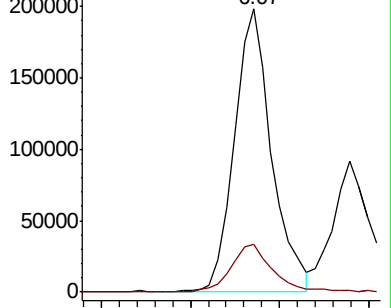
43 100

72 17.0 16.3 24.5

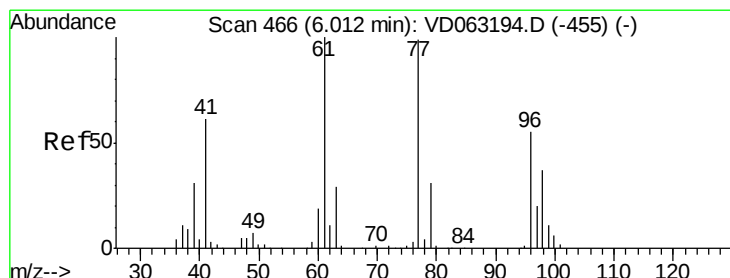
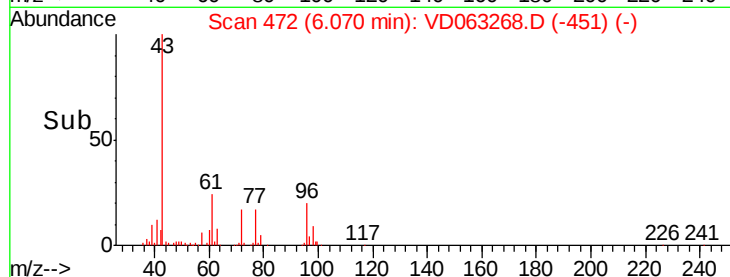


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 53.284 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063268.D

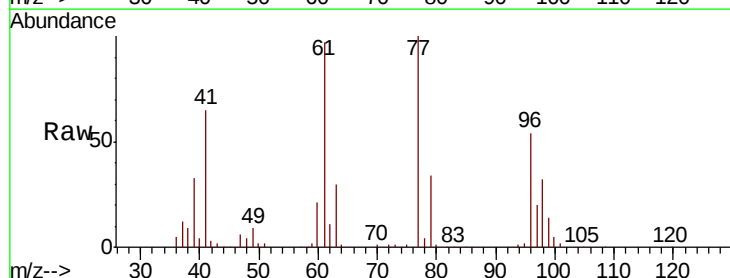
Acq: 31 Jul 2019 10:02

Tgt Ion: 77 Resp: 969592

Ion Ratio Lower Upper

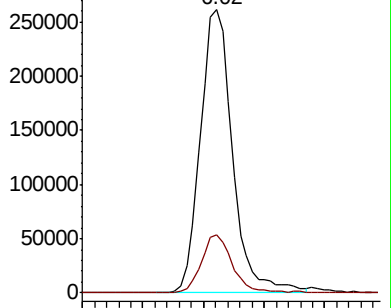
77 100

97 20.4 10.2 30.6

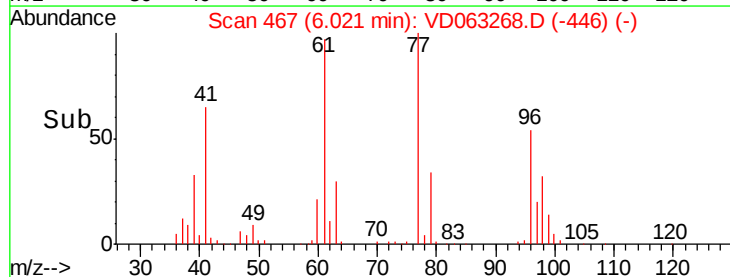


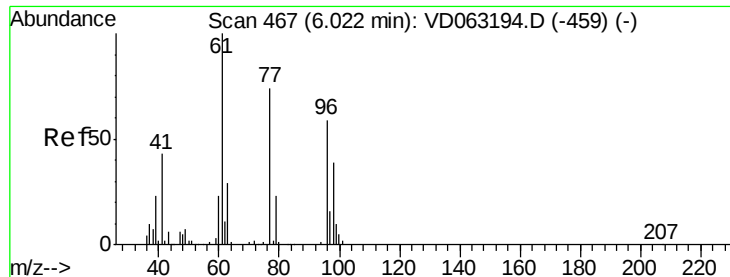
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.127 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

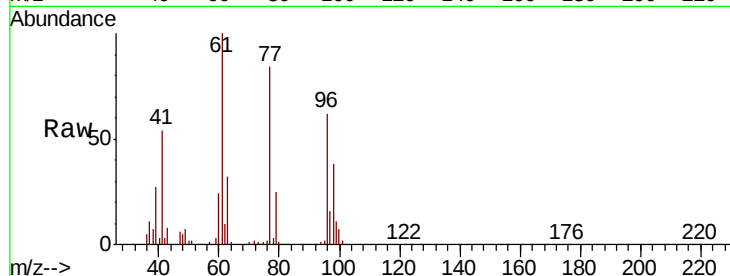
Tot Ion: 96 Resp: 523760

Ion Ratio Lower Upper

96 100

61 161.1 0.0 337.2

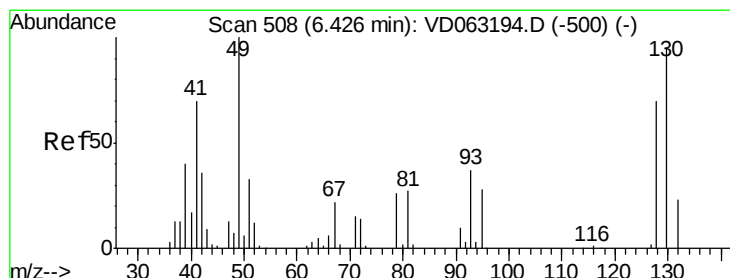
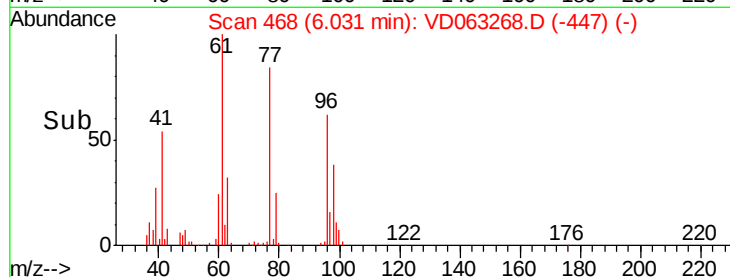
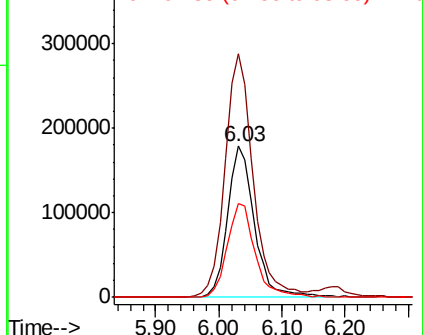
98 61.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 45.534 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

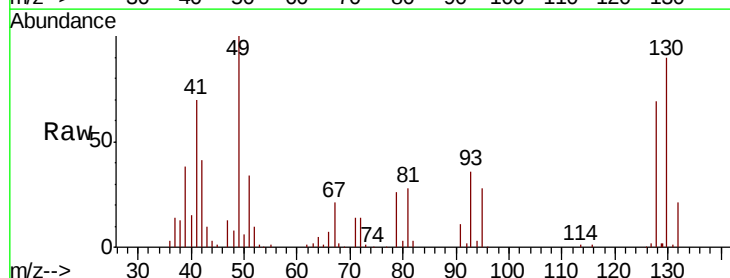
Tgt Ion: 49 Resp: 320343

Ion Ratio Lower Upper

49 100

129 4.9 0.0 0.0#

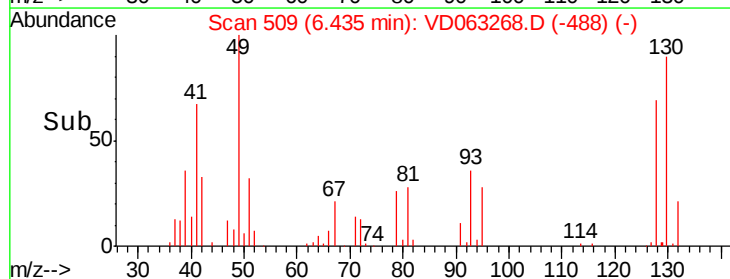
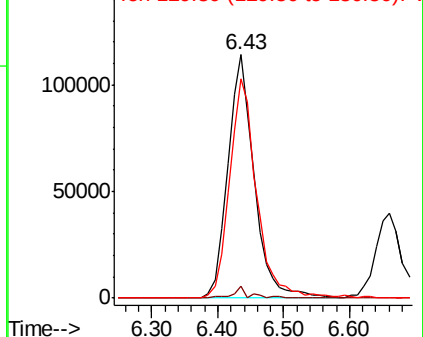
130 89.9 75.7 113.5

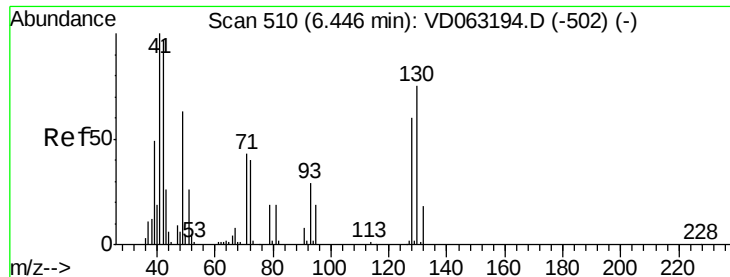


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

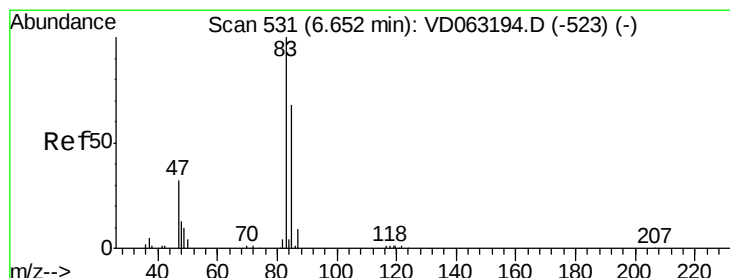
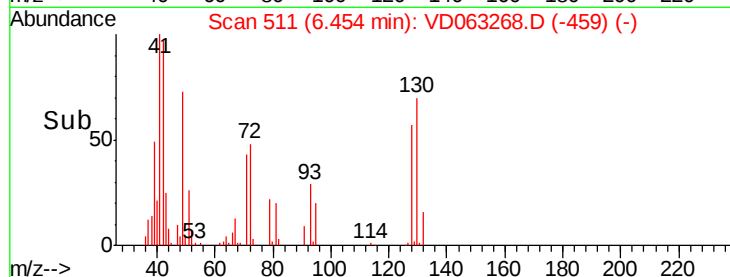
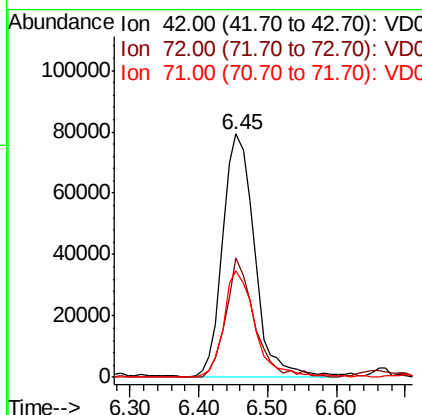
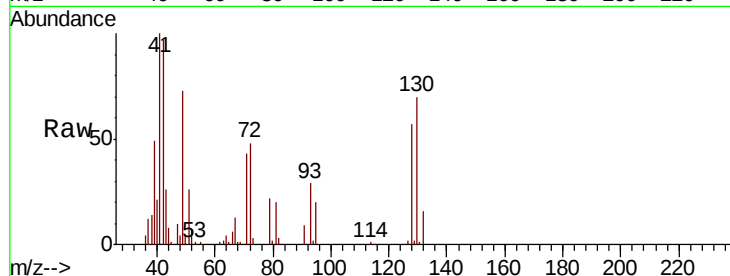




#29
Tetrahydrofuran
Concen: 222.557 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

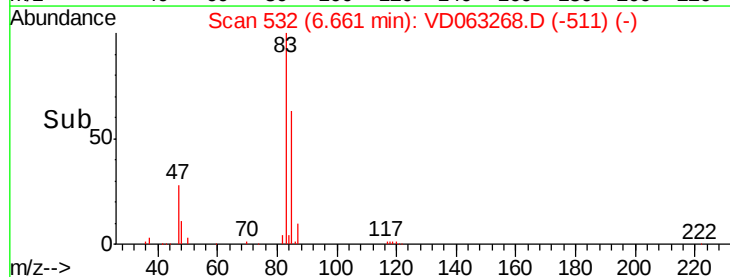
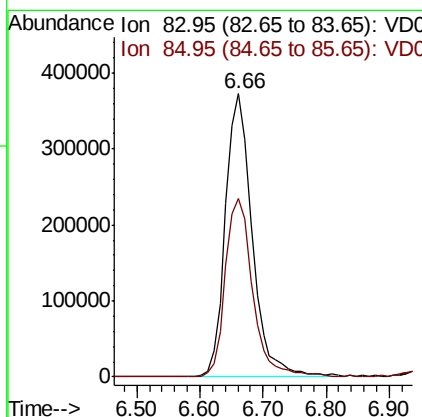
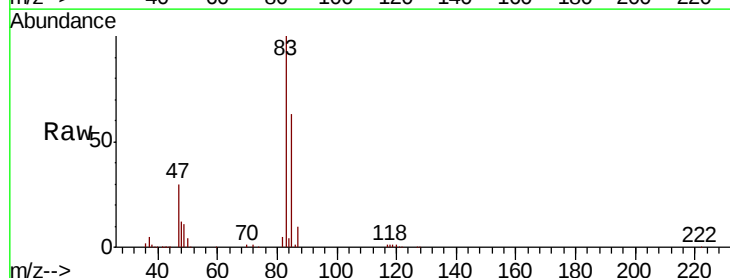
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

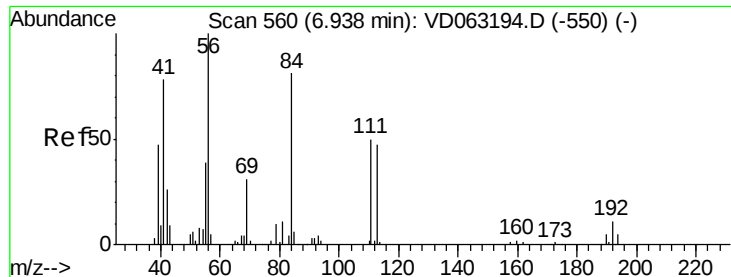
Tot Ion: 42 Resp: 256007
Ion Ratio Lower Upper
42 100
72 43.6 33.4 50.2
71 42.3 35.7 53.5



#30
Chloroform
Concen: 50.210 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 83 Resp: 1100268
Ion Ratio Lower Upper
83 100
85 63.1 54.2 81.4

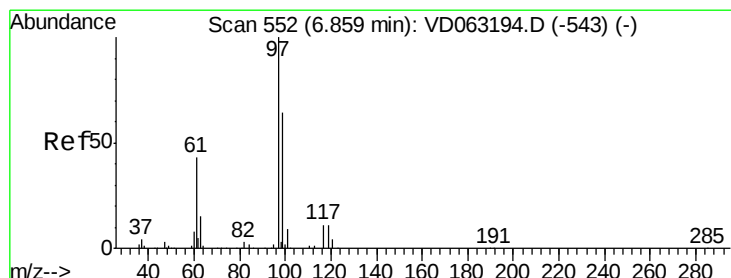
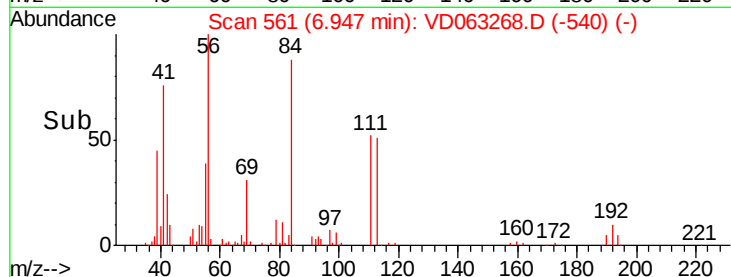
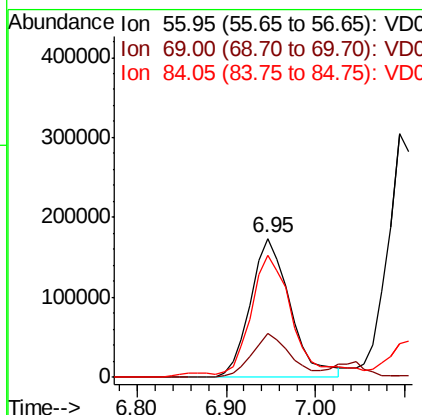
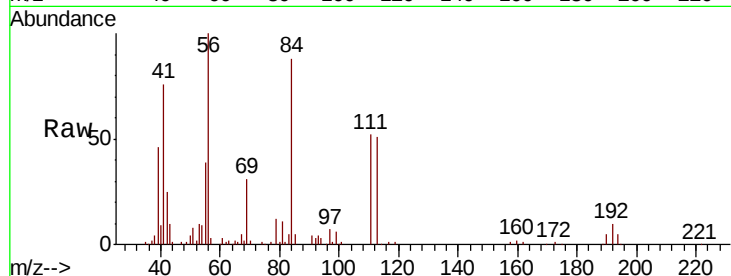




#31
Cyclohexane
Concen: 48.489 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

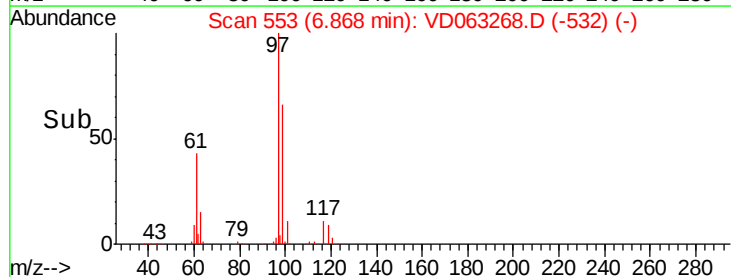
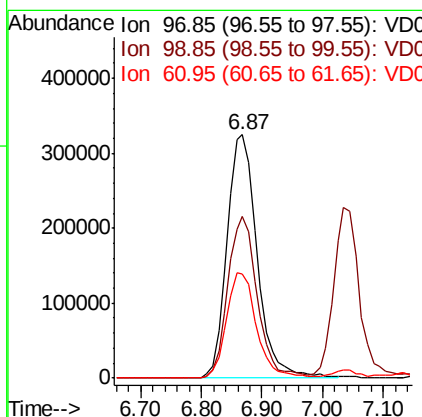
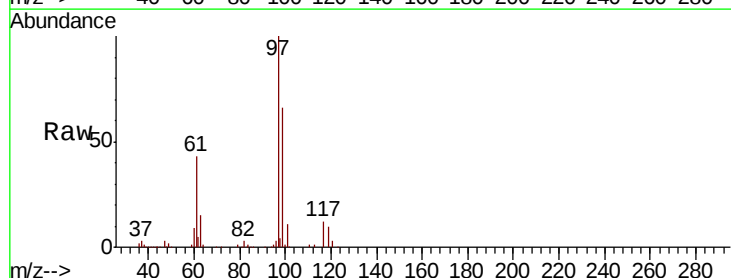
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

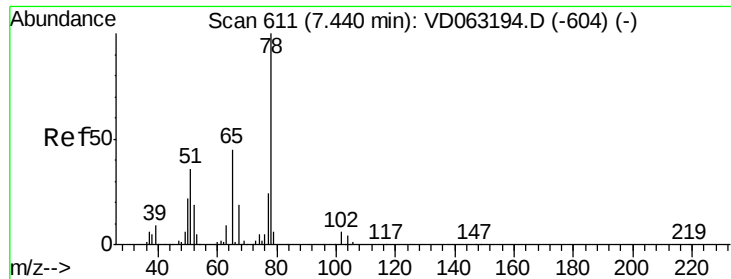
Tot Ion: 56 Resp: 536669
Ion Ratio Lower Upper
56 100
69 31.5 24.5 36.7
84 87.8 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 52.920 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 97 Resp: 1121696
Ion Ratio Lower Upper
97 100
99 66.2 51.2 76.8
61 42.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.202 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

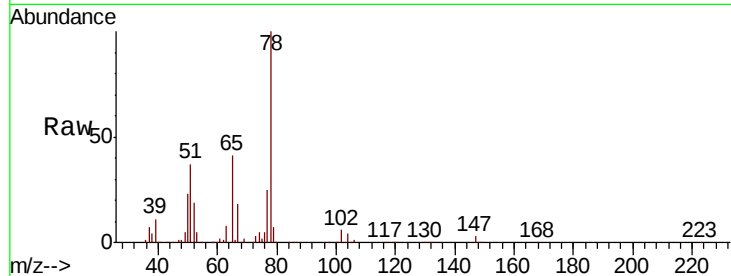
VSTDCCC050

Tot Ion: 65 Resp: 623775

Ion Ratio Lower Upper

65 100

67 43.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

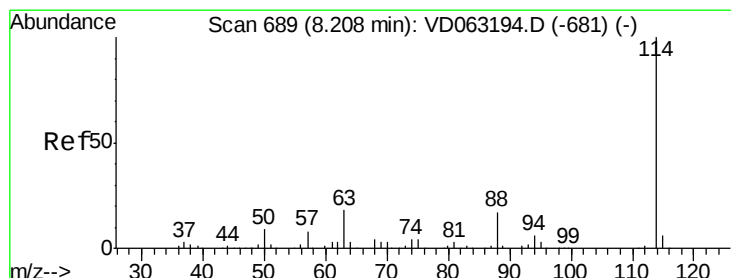
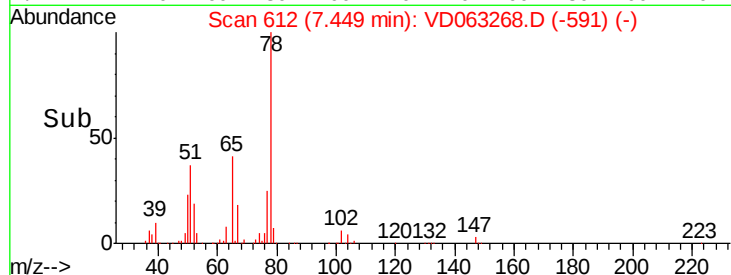
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

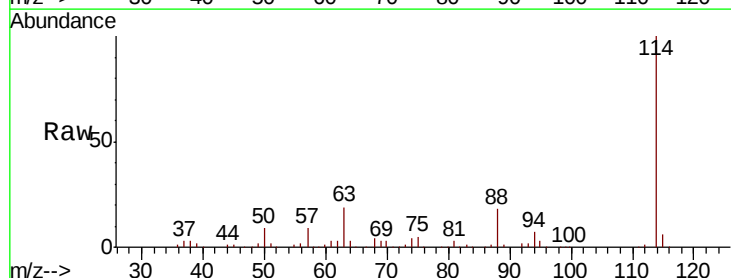
Tgt Ion: 114 Resp: 1492966

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.2

88 17.6 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

800000

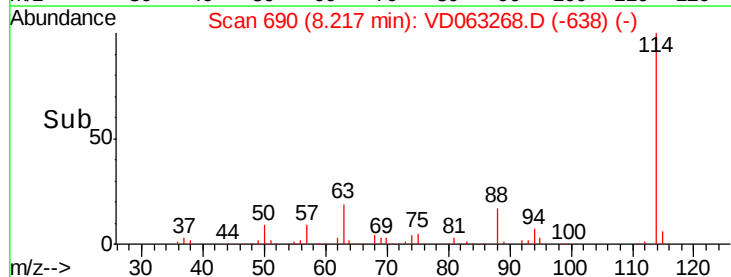
600000

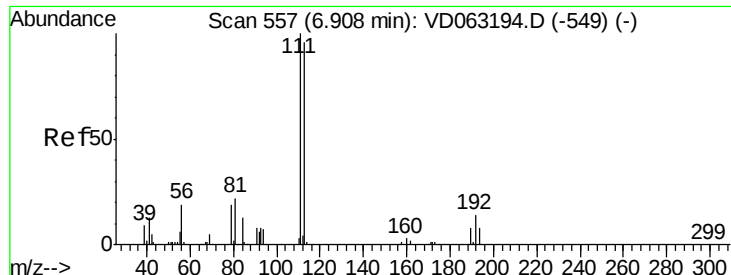
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 53.189 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

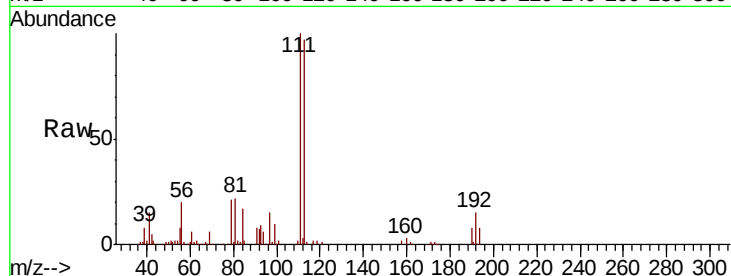
Tot Ion:113 Resp: 677981

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

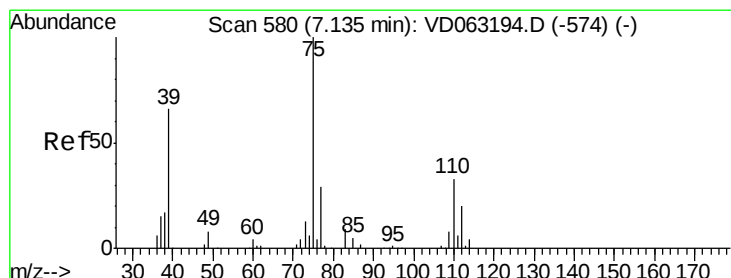
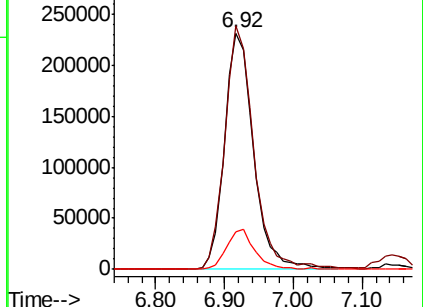
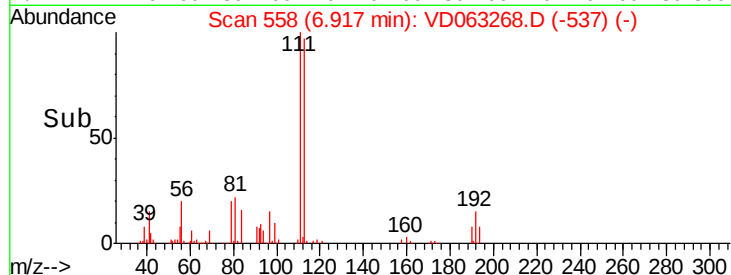
192 16.0 11.8 17.8



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: 51.436 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

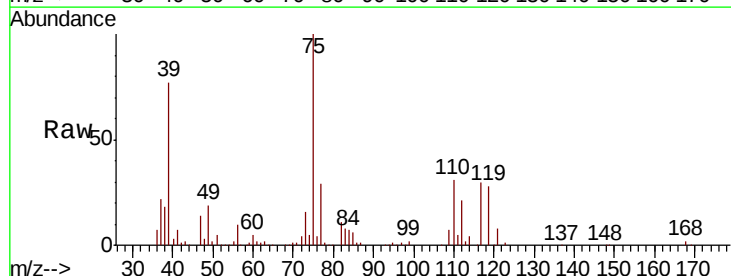
Tgt Ion: 75 Resp: 700824

Ion Ratio Lower Upper

75 100

110 30.8 16.1 48.2

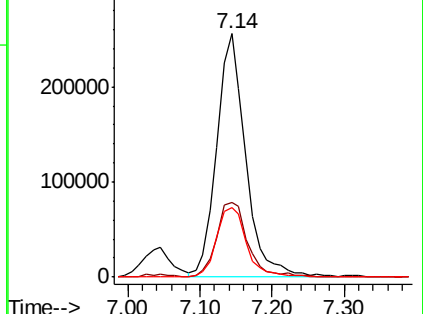
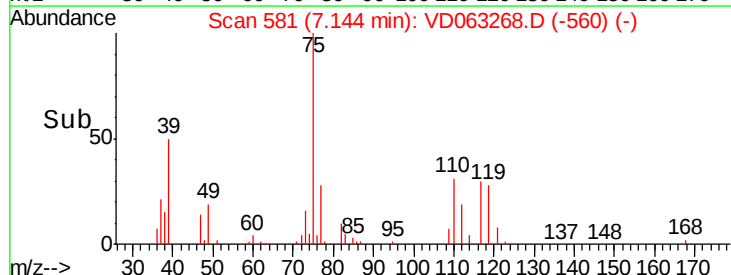
77 28.6 22.7 34.1

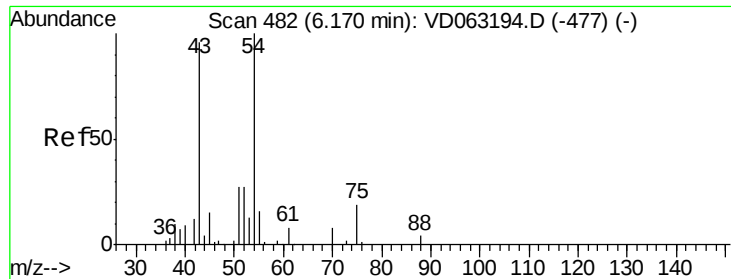


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

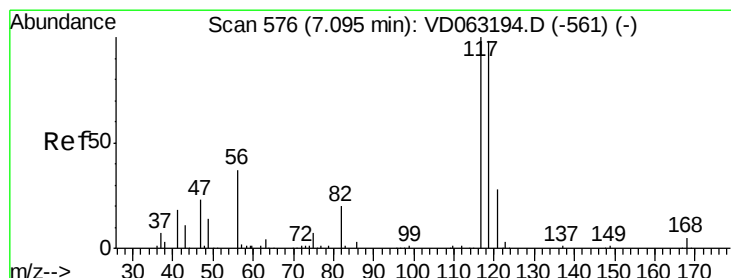
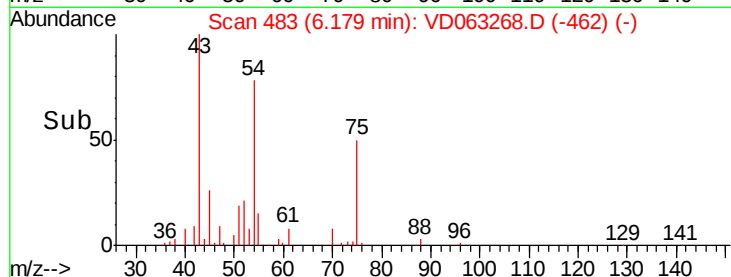
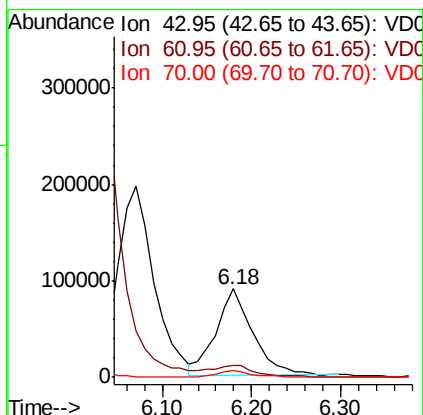
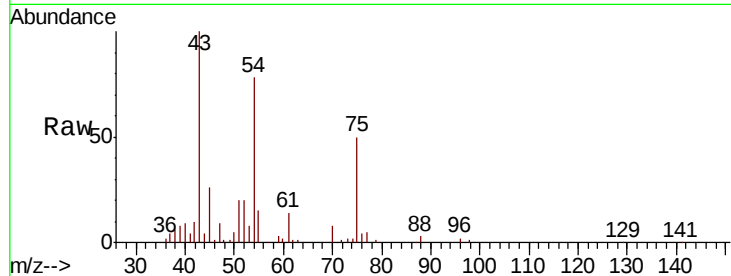




#37
Ethyl Acetate
Concen: 42.588 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

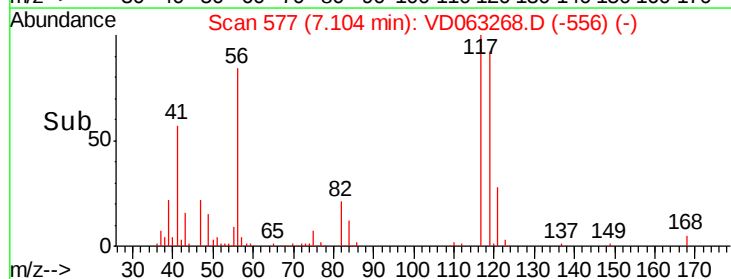
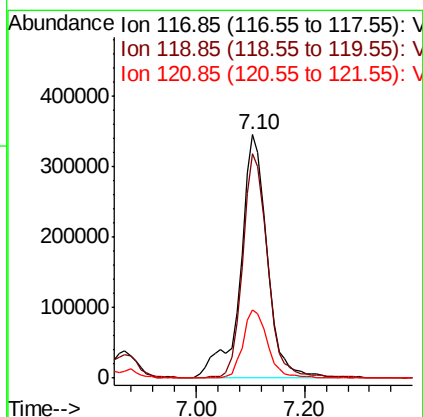
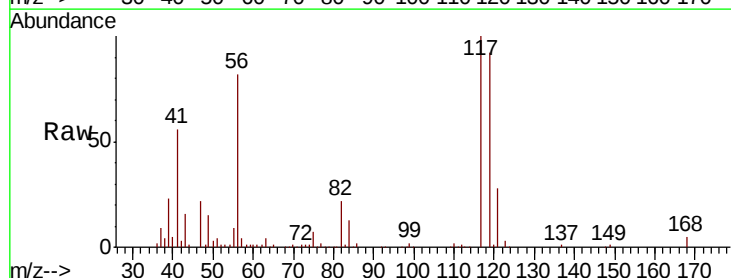
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

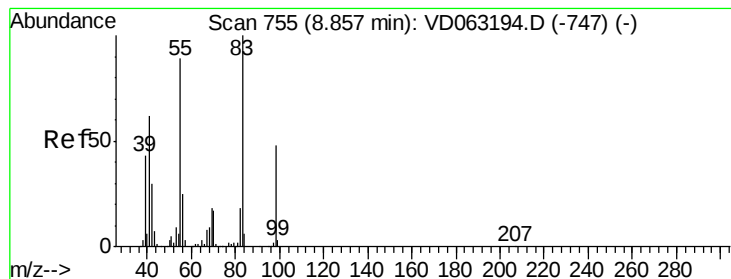
Tot Ion: 43 Resp: 260695
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 8.1 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 57.687 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 117 Resp: 1183290
Ion Ratio Lower Upper
117 100
119 92.0 78.2 117.2
121 28.0 22.1 33.1





#39

Methvlcvclohexane

Concen: 52.544 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

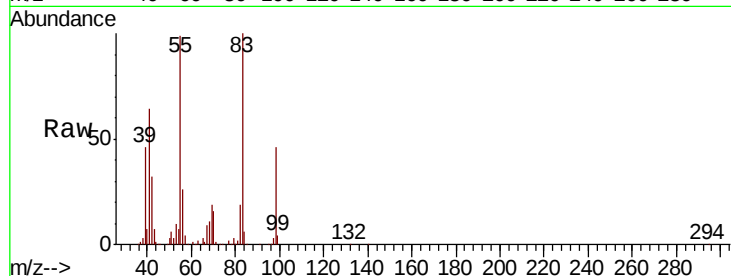
Tot Ion: 83 Resp: 596483

Ion Ratio Lower Upper

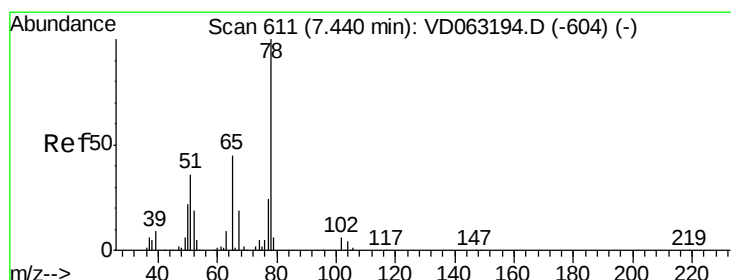
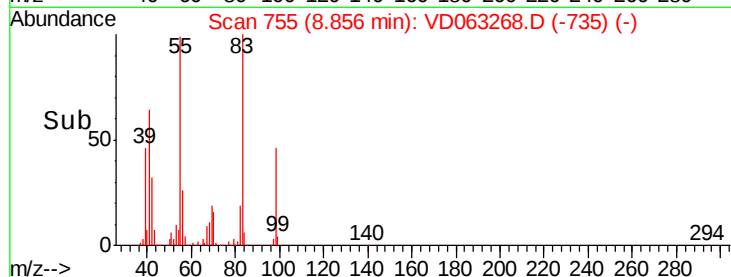
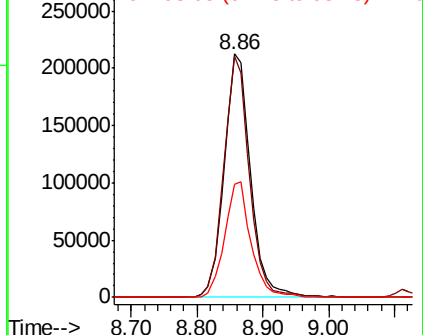
83 100

55 99.2 71.1 106.7

98 46.2 38.5 57.7



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



#40

Benzene

Concen: 52.096 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063268.D

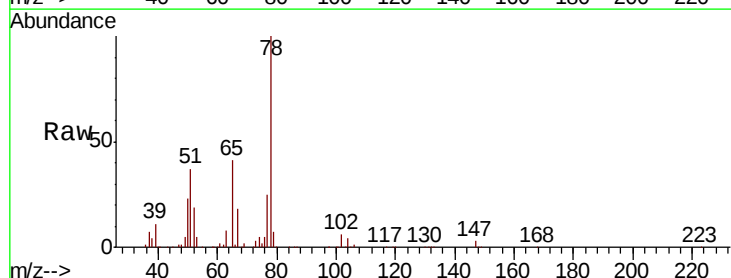
Acq: 31 Jul 2019 10:02

Tgt Ion: 78 Resp: 1487649

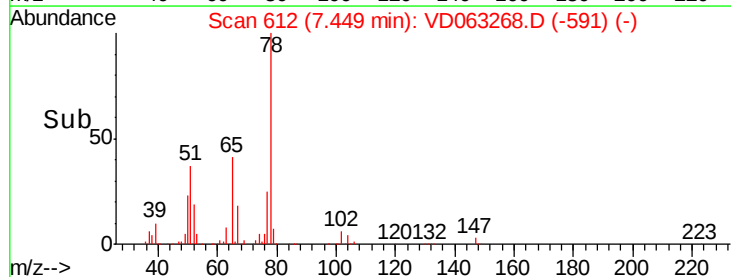
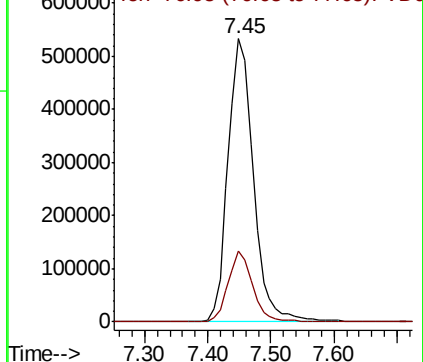
Ion Ratio Lower Upper

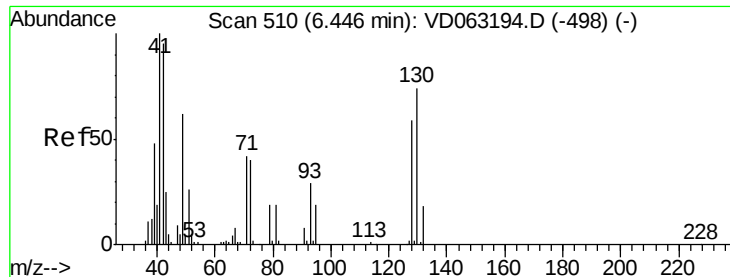
78 100

77 24.9 19.4 29.2



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

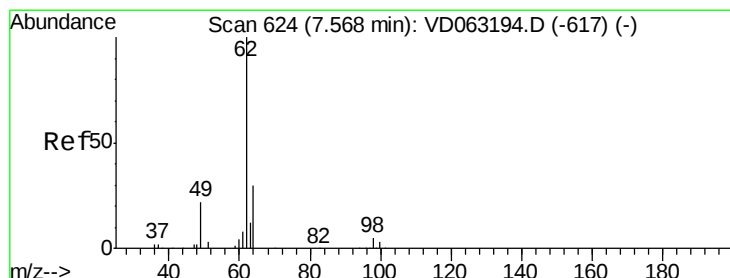
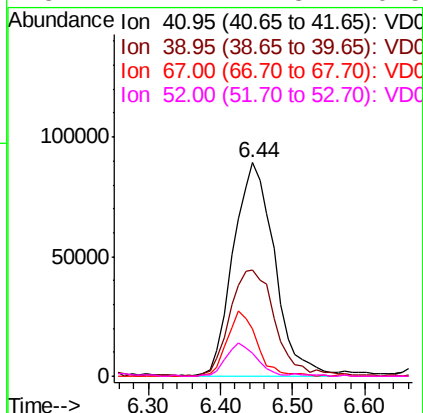
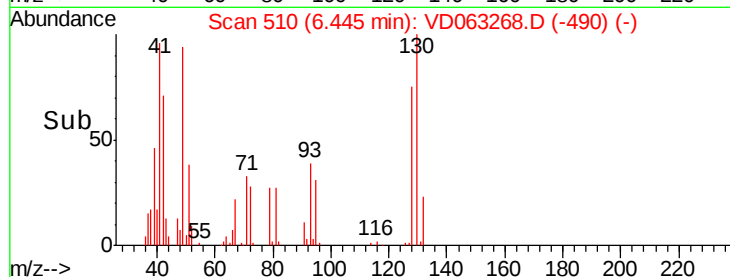
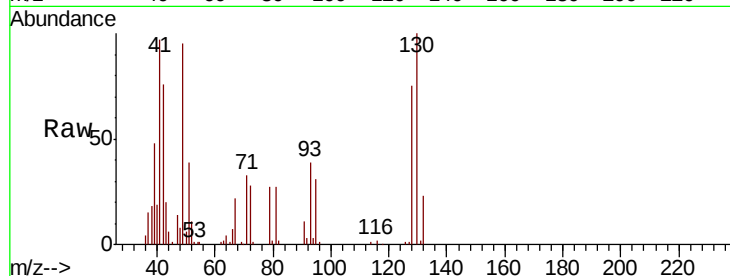




#41
Methacrylonitrile
Concen: 48.795 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

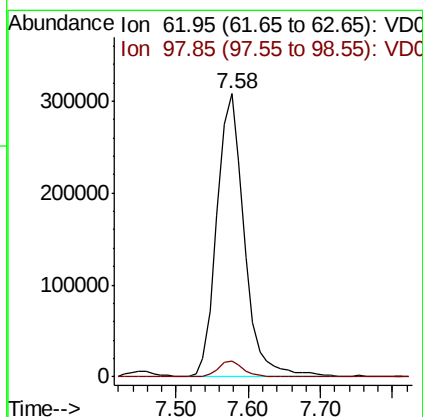
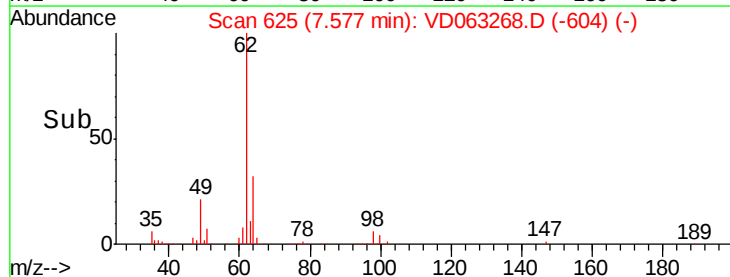
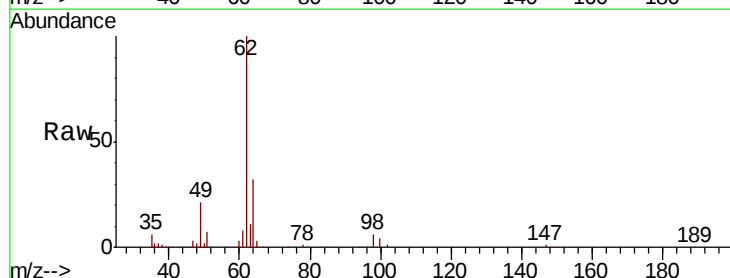
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

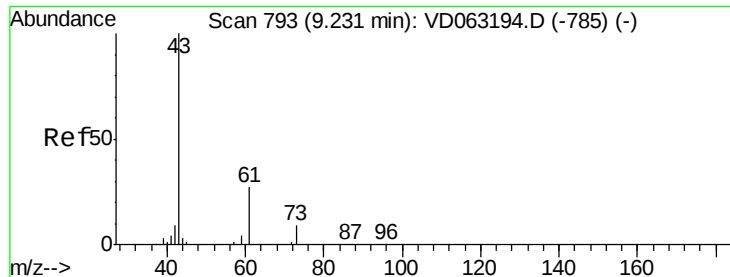
Tot Ion: 41 Resp: 357288
Ion Ratio Lower Upper
41 100
39 49.8 38.4 57.6
67 22.5 6.7 10.1#
52 11.1 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 53.552 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 62 Resp: 810451
Ion Ratio Lower Upper
62 100
98 5.8 0.0 9.8



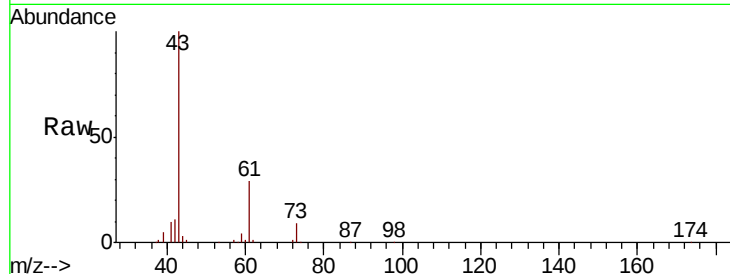


#43

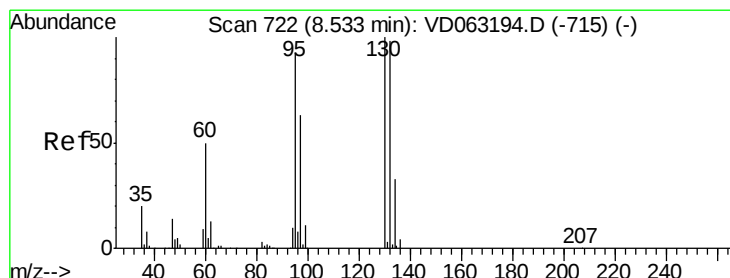
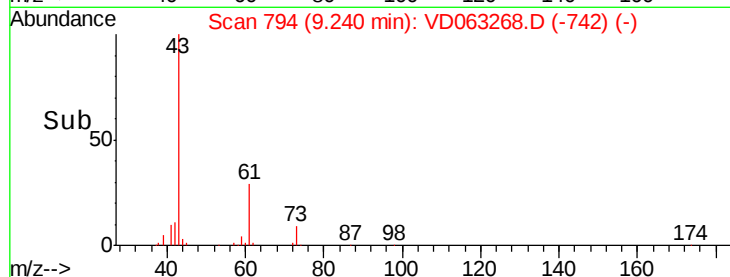
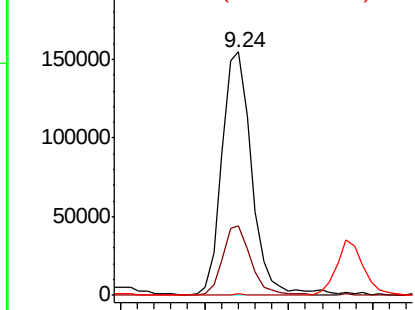
Isopropyl Acetate
 Concen: 49.079 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 383757
 Ion Ratio Lower Upper
 43 100
 61 28.7 21.4 32.0
 87 0.5 0.2 0.4#



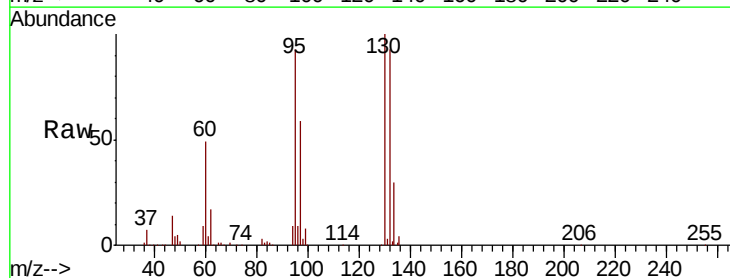
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



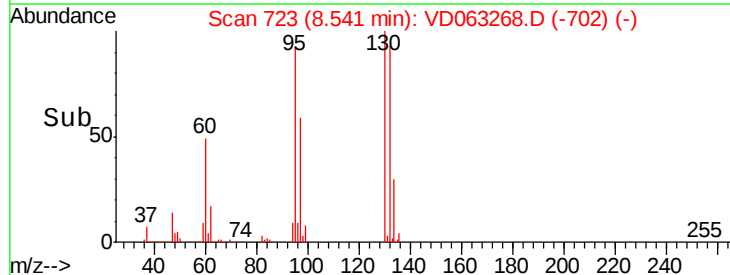
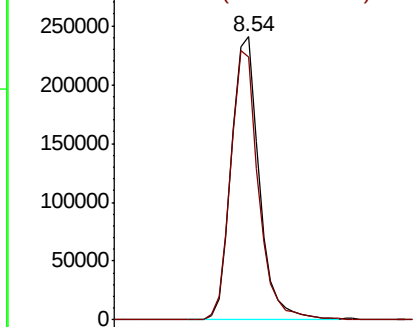
#44

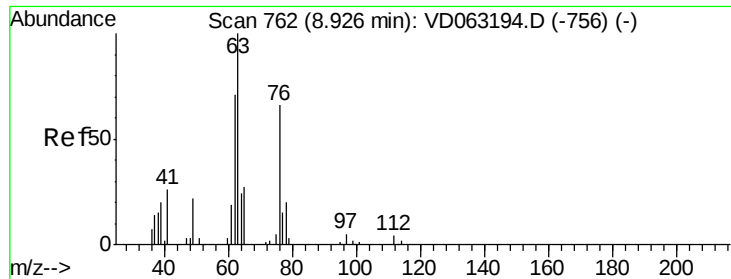
Trichloroethene
 Concen: 52.579 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Tgt Ion:130 Resp: 608404
 Ion Ratio Lower Upper
 130 100
 95 93.1 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: 48.436 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

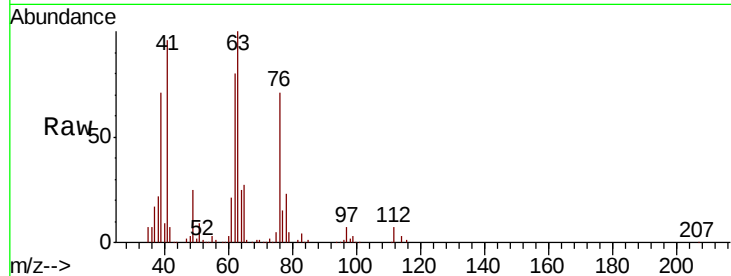
VSTDCCC050

Tot Ion: 63 Resp: 351558

Ion Ratio Lower Upper

63 100

65 26.5 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

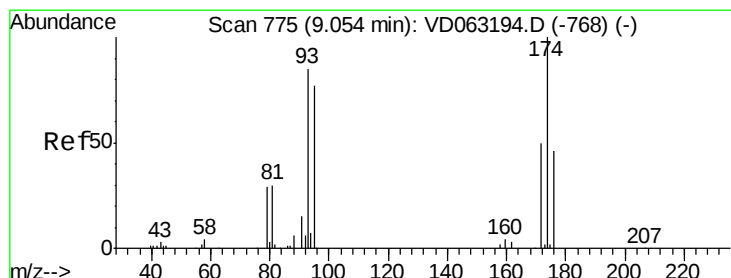
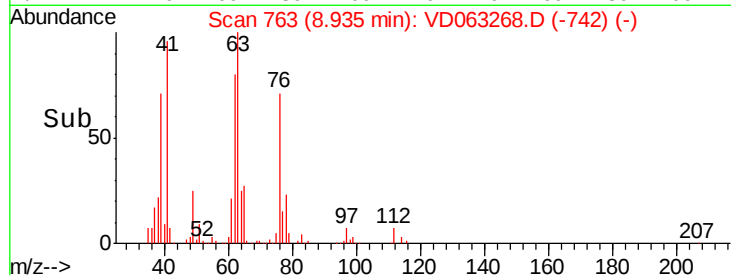
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 49.011 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

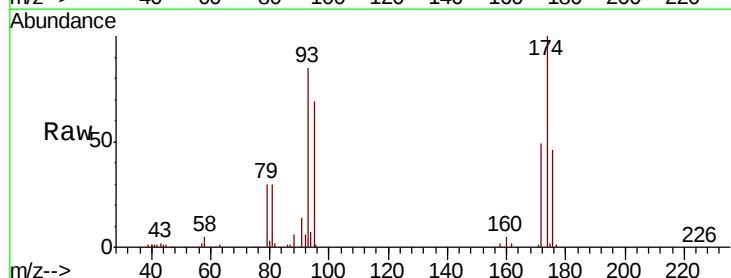
Tgt Ion: 93 Resp: 295785

Ion Ratio Lower Upper

93 100

95 81.7 72.8 109.2

174 117.9 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

200000

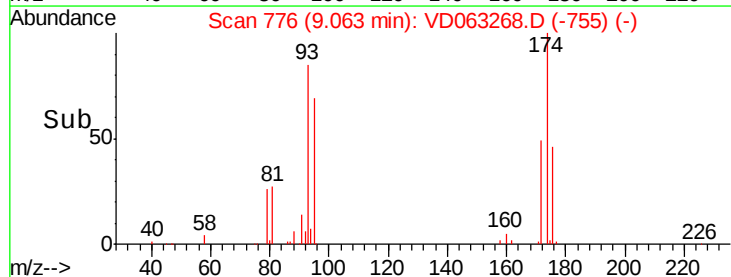
150000

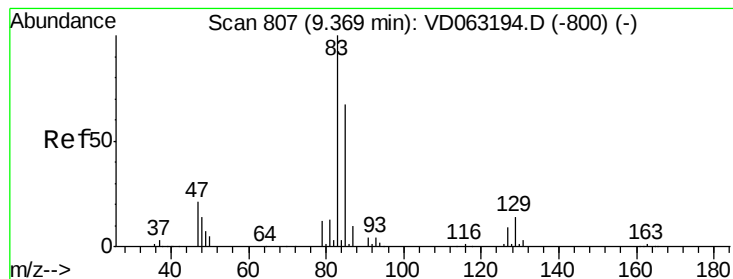
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 51.651 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

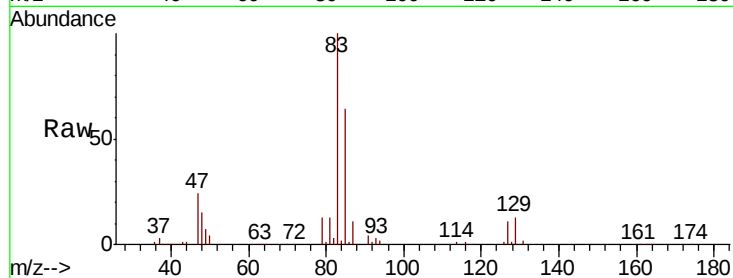
Tot Ion: 83 Resp: 794595

Ion Ratio Lower Upper

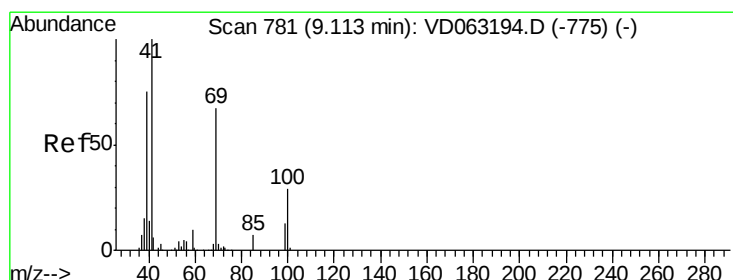
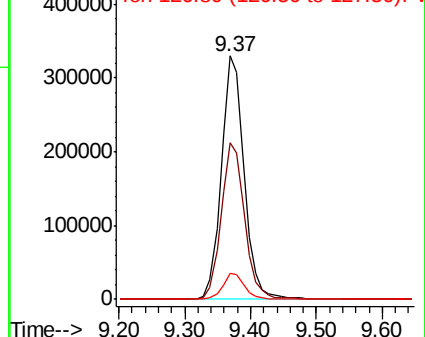
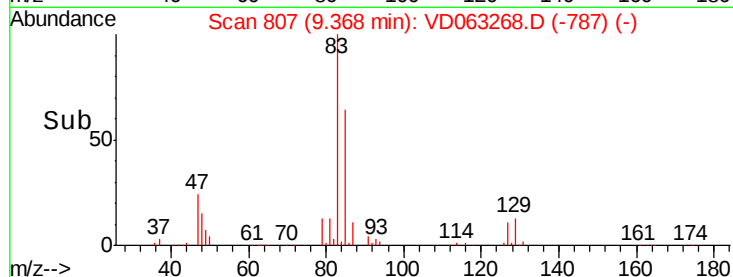
83 100

85 64.3 53.6 80.4

127 10.5 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.426 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

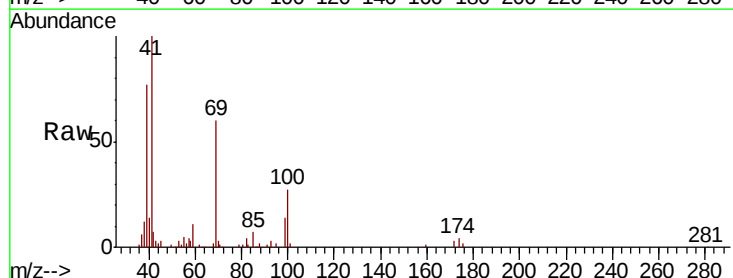
Tgt Ion: 41 Resp: 245581

Ion Ratio Lower Upper

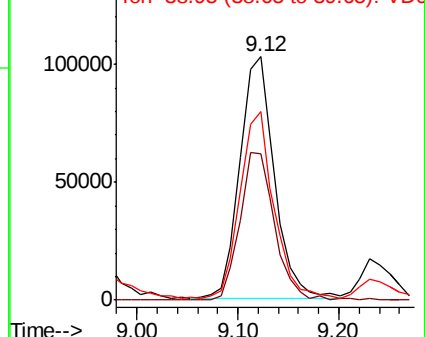
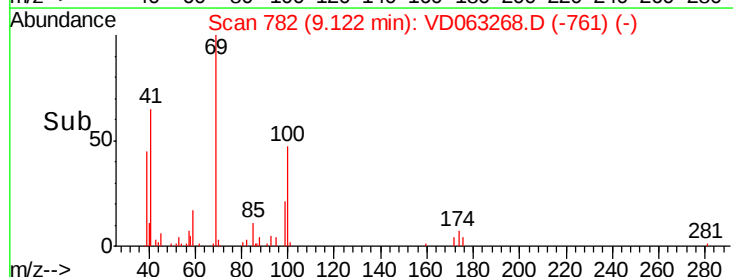
41 100

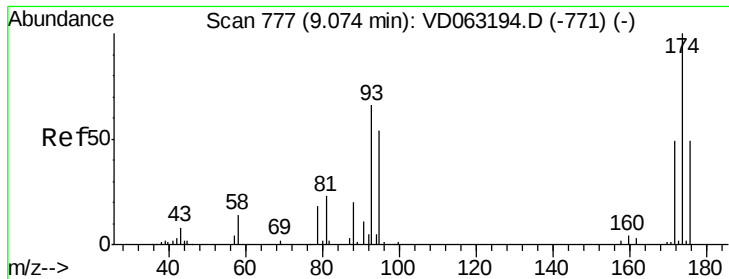
69 59.9 53.4 80.0

39 77.5 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

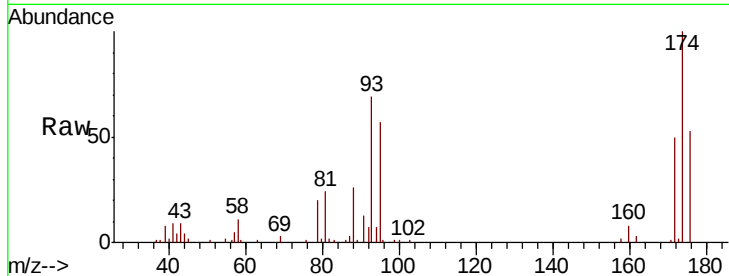




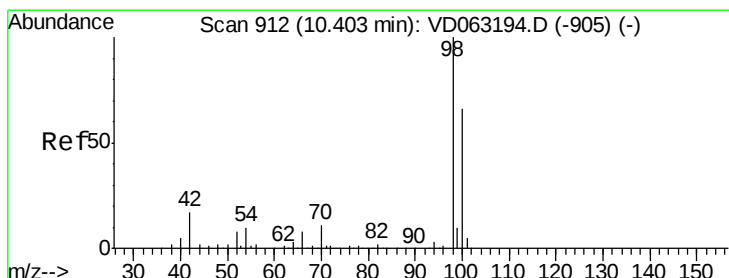
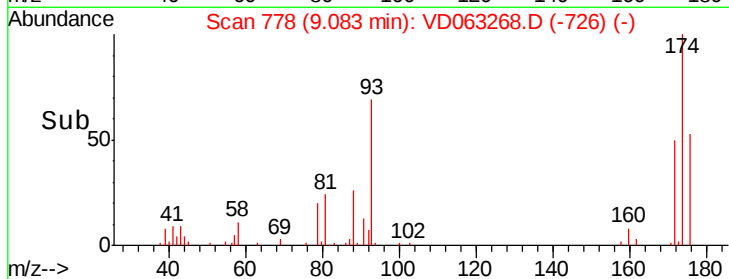
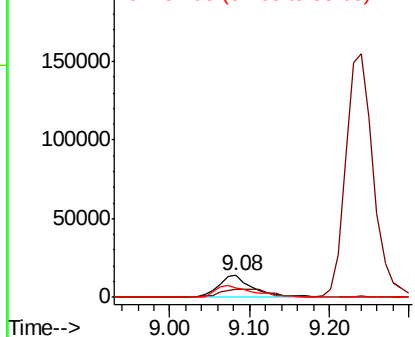
#49
1,4-Dioxane
Concen: 982.578 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 42214
Ion Ratio Lower Upper
88 100
43 35.3 30.7 46.1
58 43.8 56.5 84.7#

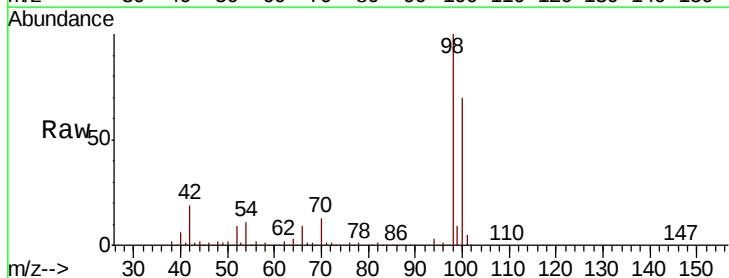


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

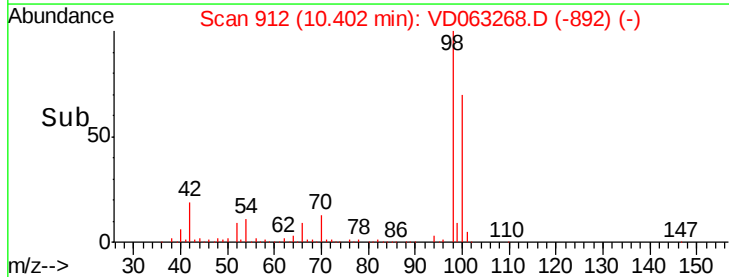
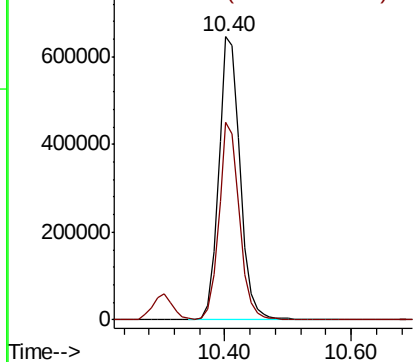


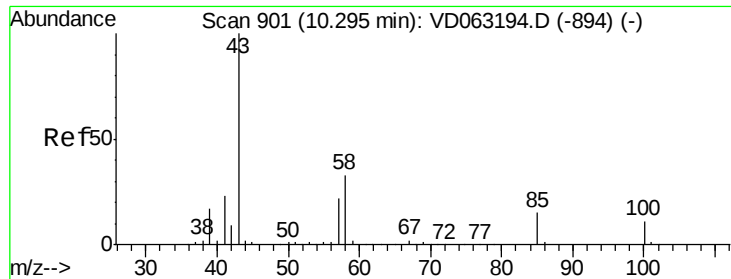
#50
Toluene-d8
Concen: 53.394 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 98 Resp: 1523174
Ion Ratio Lower Upper
98 100
100 69.6 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 237.931 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

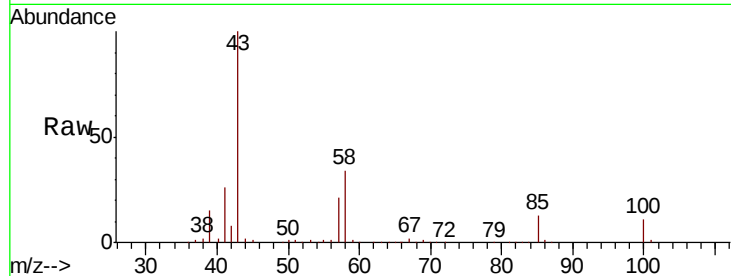
VSTDCCC050

Tot Ion: 43 Resp: 1265255

Ion Ratio Lower Upper

43 100

58 33.6 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

600000

500000

400000

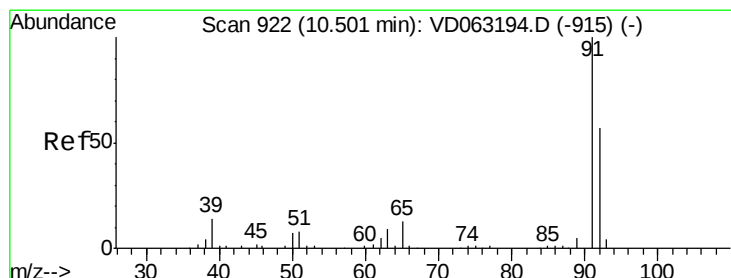
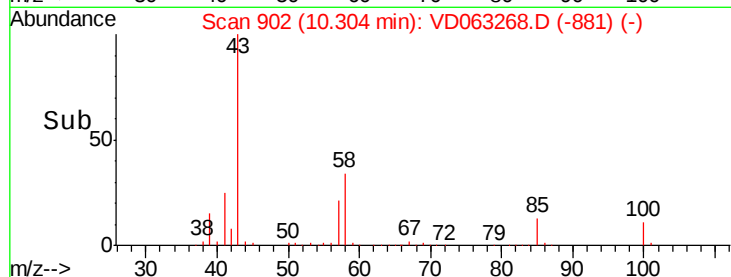
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.952 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063268.D

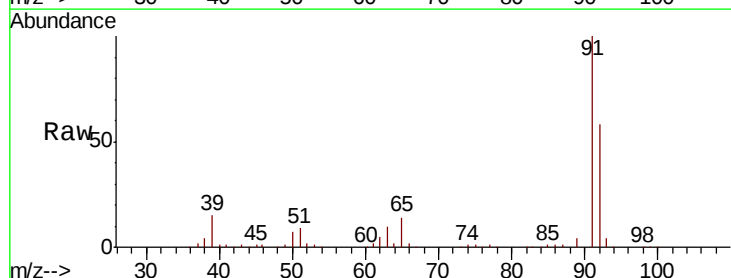
Acq: 31 Jul 2019 10:02

Tgt Ion: 92 Resp: 1005703

Ion Ratio Lower Upper

92 100

91 173.6 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

800000

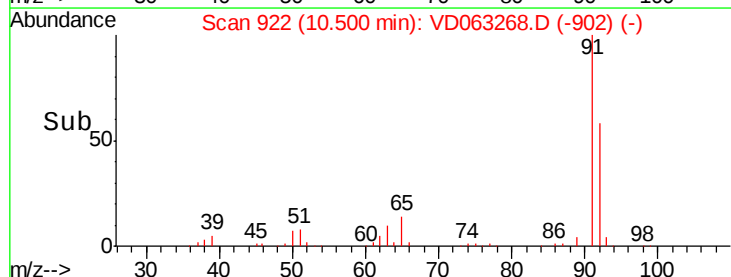
600000

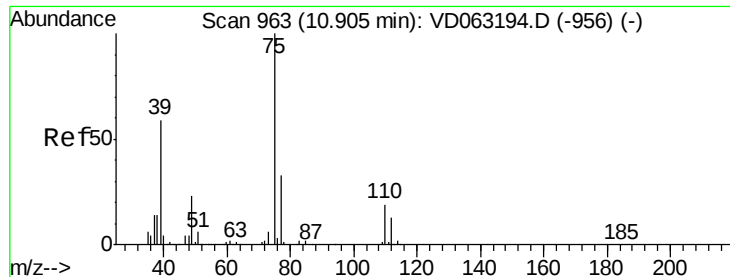
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.496 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

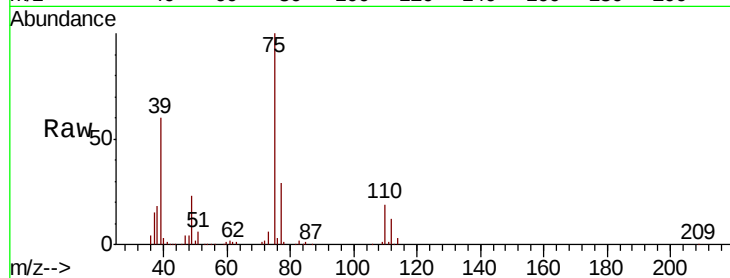
VSTDCCC050

Tot Ion: 75 Resp: 682990

Ion Ratio Lower Upper

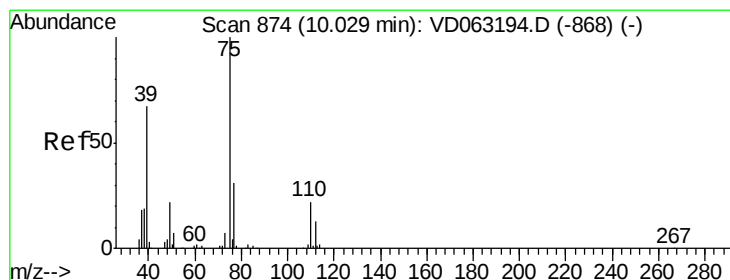
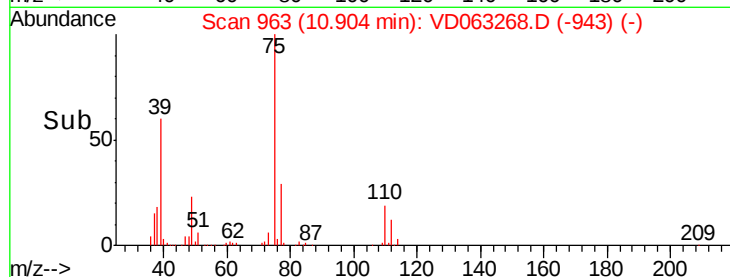
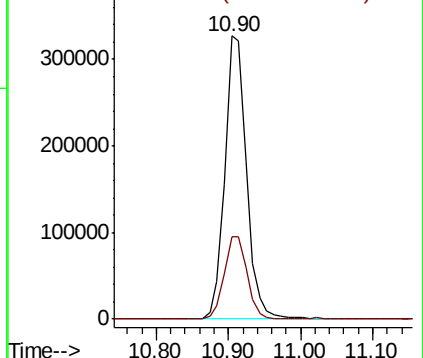
75 100

77 29.2 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.842 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

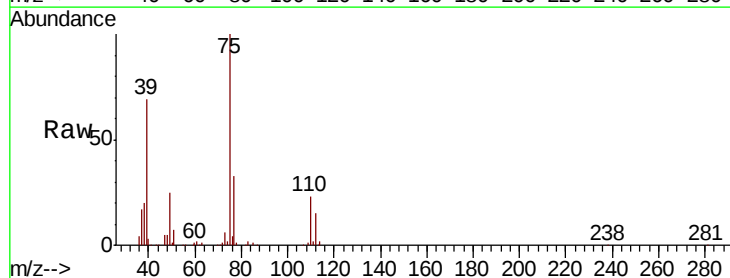
Tgt Ion: 75 Resp: 722641

Ion Ratio Lower Upper

75 100

77 32.7 24.9 37.3

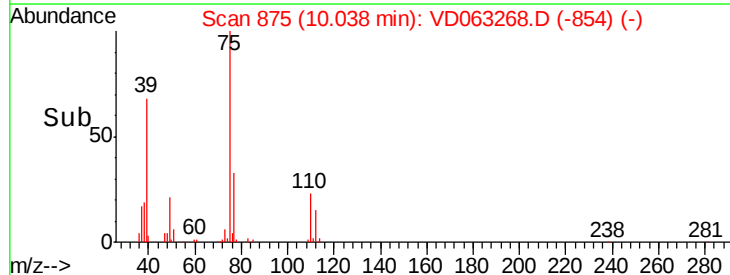
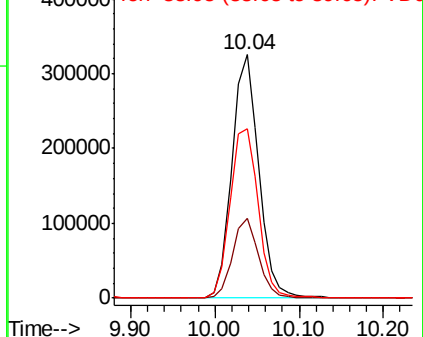
39 69.3 53.9 80.9

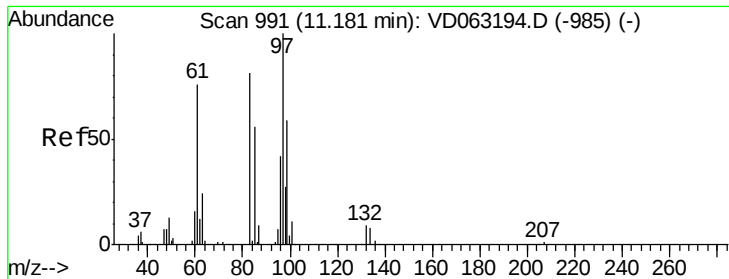


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 49.850 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 319758

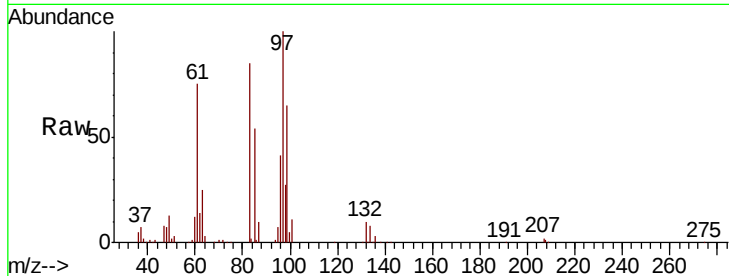
Ion Ratio Lower Upper

97 100

83 85.3 64.8 97.2

85 54.2 44.9 67.3

99 65.2 47.2 70.8

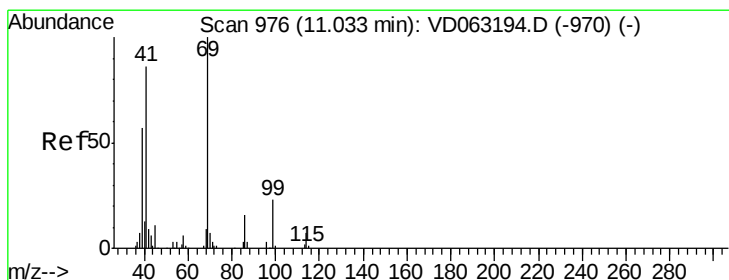
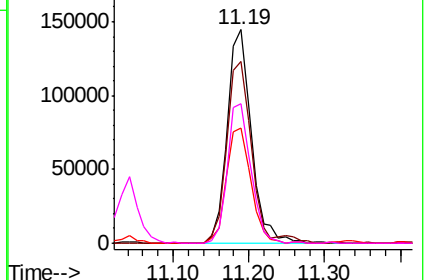
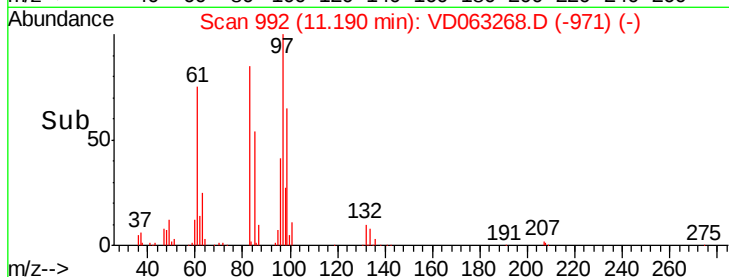


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 51.425 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

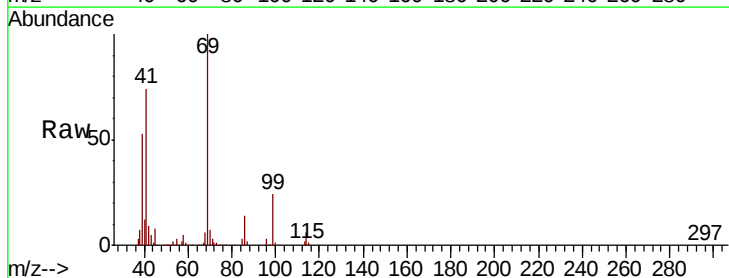
Tgt Ion: 69 Resp: 361209

Ion Ratio Lower Upper

69 100

41 73.8 68.8 103.2

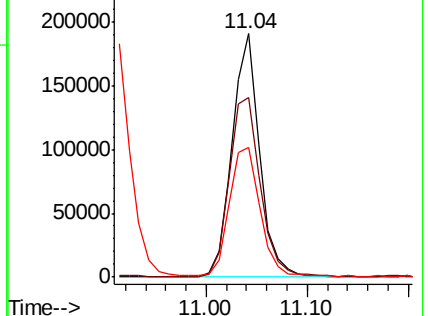
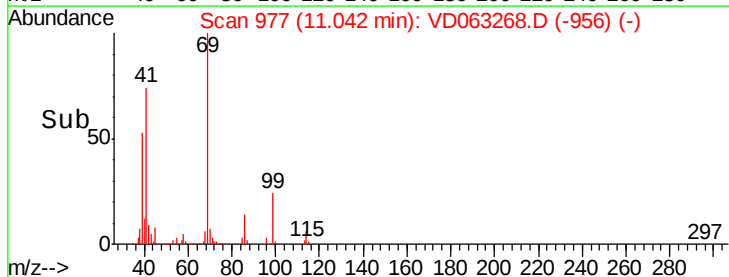
39 53.4 45.8 68.8

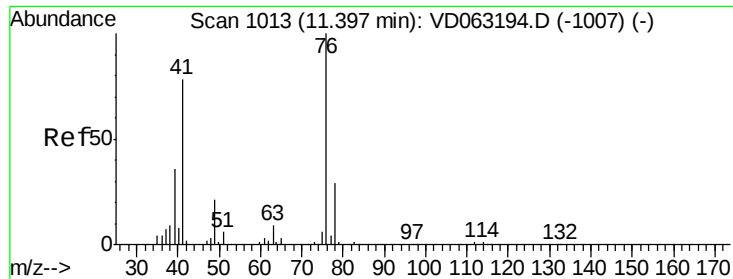


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.965 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

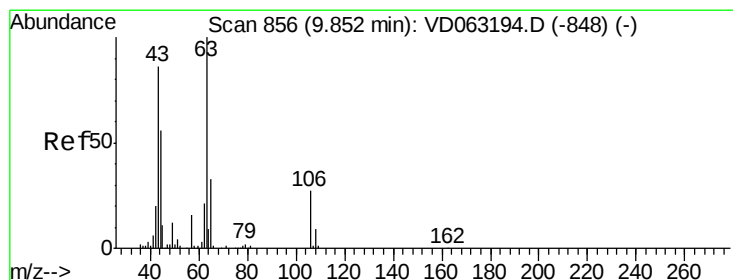
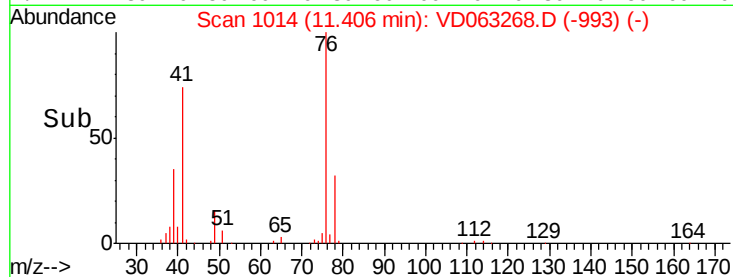
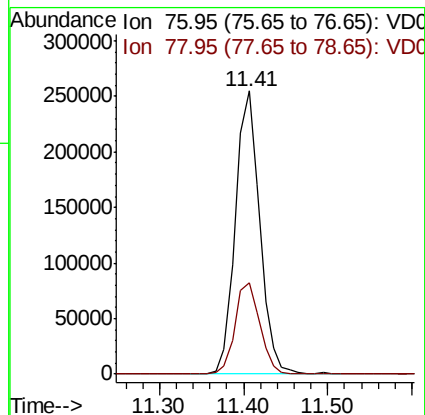
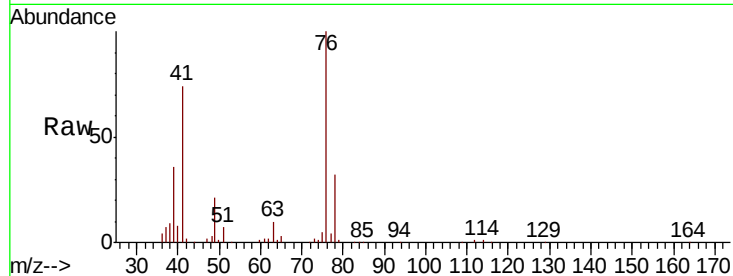
VSTDCCC050

Tot Ion: 76 Resp: 515077

Ion Ratio Lower Upper

76 100

78 32.2 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 210.117 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063268.D

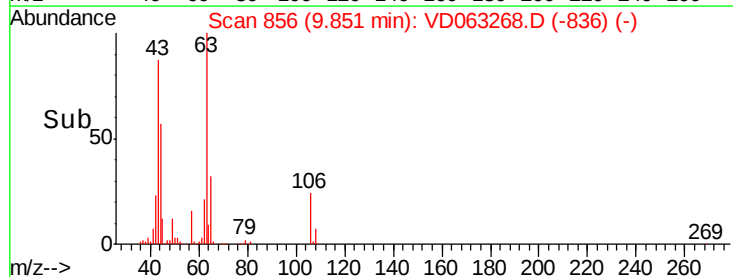
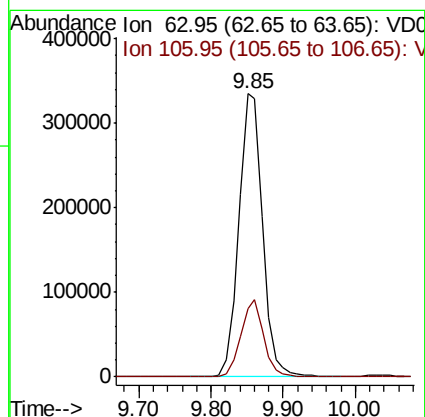
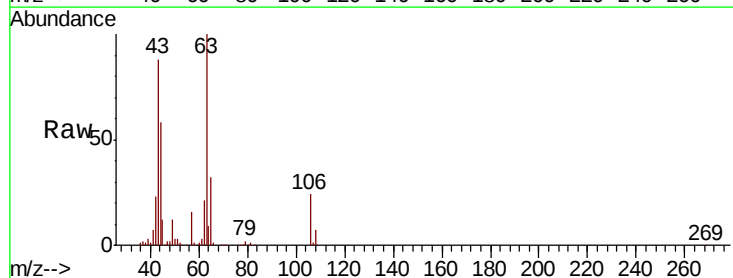
Acq: 31 Jul 2019 10:02

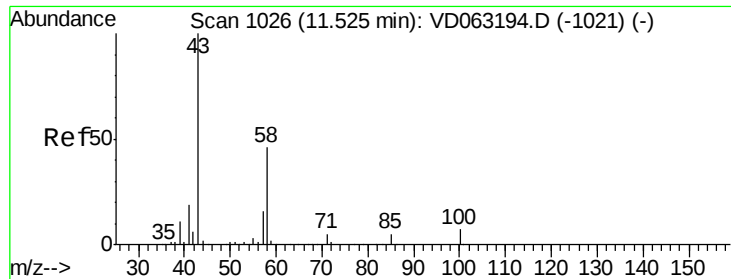
Tgt Ion: 63 Resp: 767949

Ion Ratio Lower Upper

63 100

106 24.0 22.0 33.0

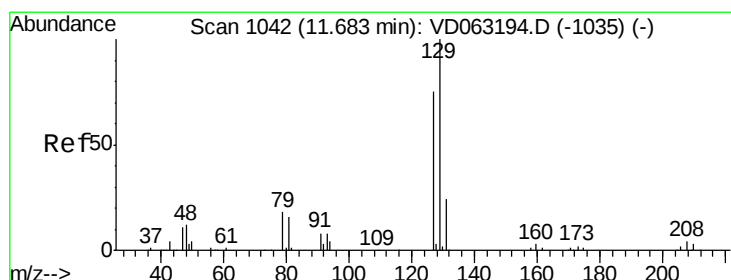
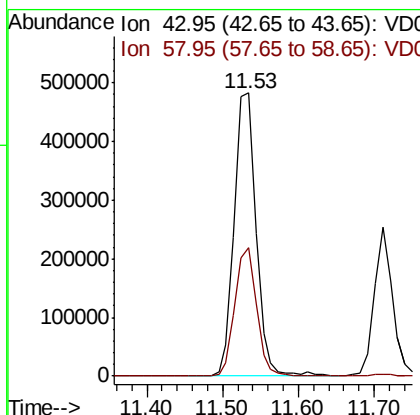
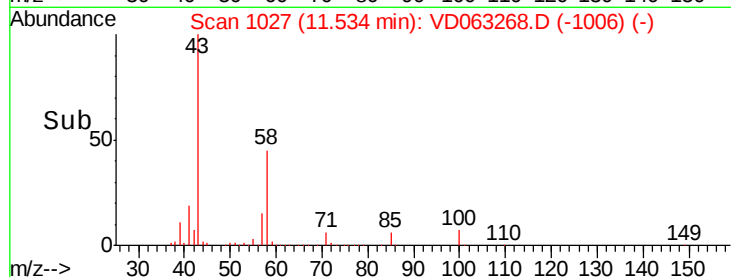
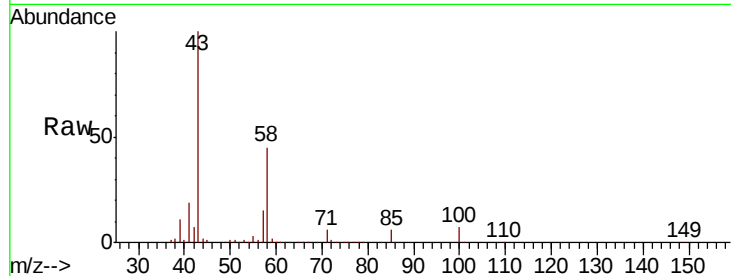




#59
2-Hexanone
Concen: 251.516 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

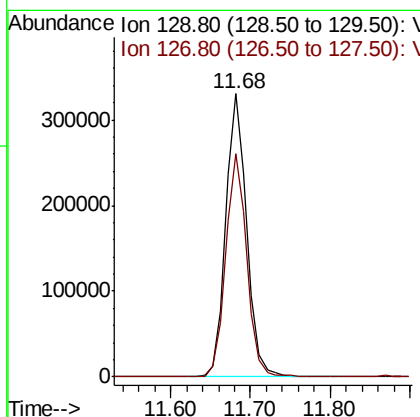
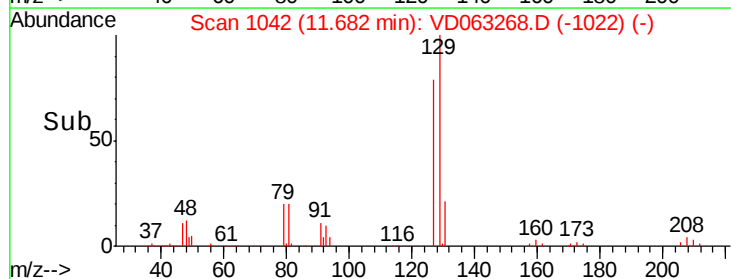
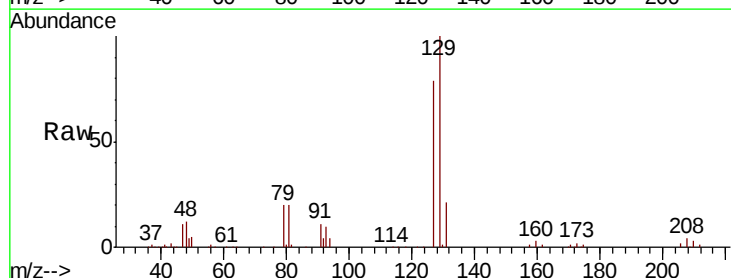
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 963857
Ion Ratio Lower Upper
43 100
58 45.3 22.9 68.5



#60
Dibromochloromethane
Concen: 50.618 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion:129 Resp: 612957
Ion Ratio Lower Upper
129 100
127 78.8 37.6 112.8

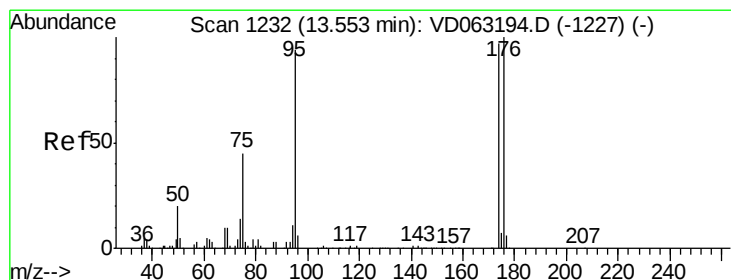
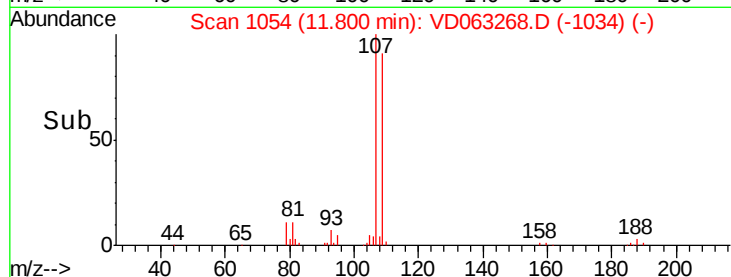
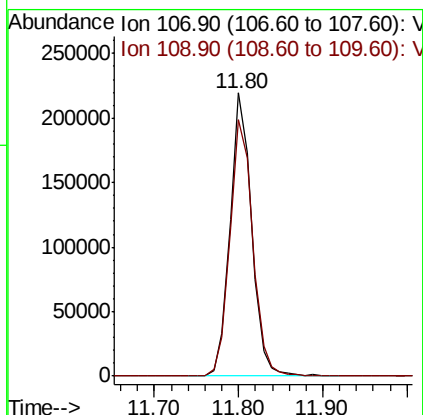
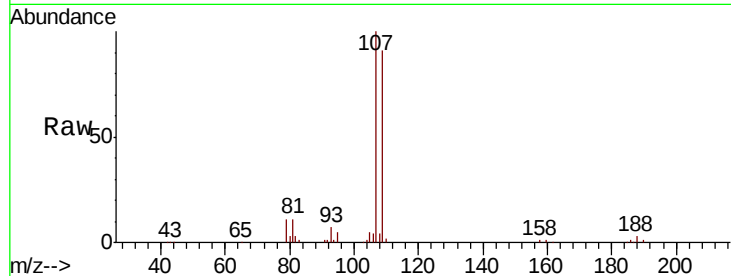




#61
1,2-Dibromoethane
Concen: 49.444 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

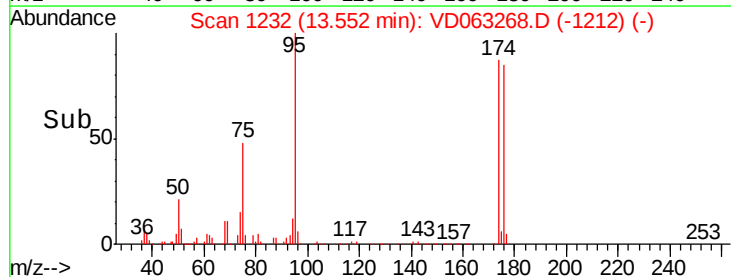
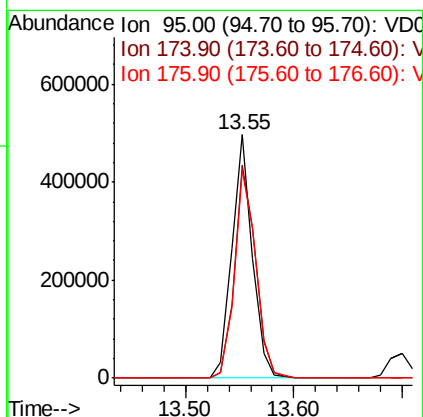
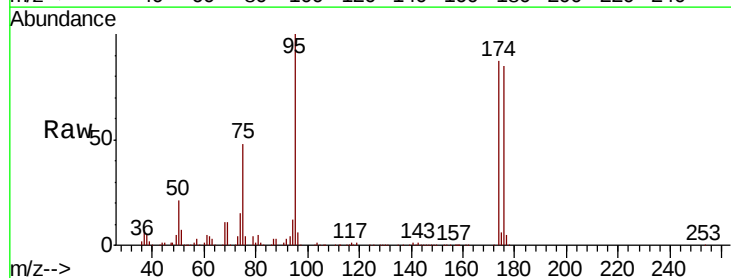
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

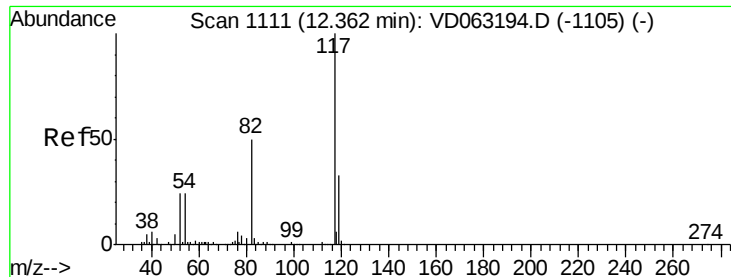
Tot Ion:107 Resp: 391347
Ion Ratio Lower Upper
107 100
109 90.6 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 50.186 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 95 Resp: 652400
Ion Ratio Lower Upper
95 100
174 87.4 0.0 205.4
176 85.5 0.0 211.8

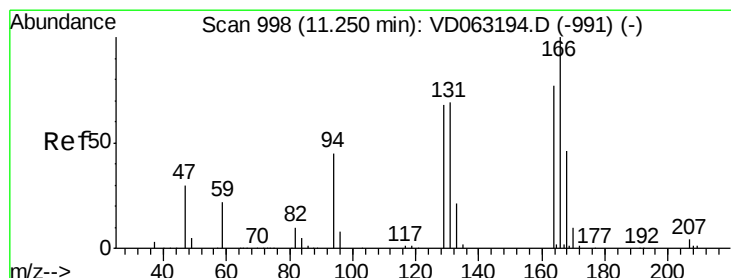
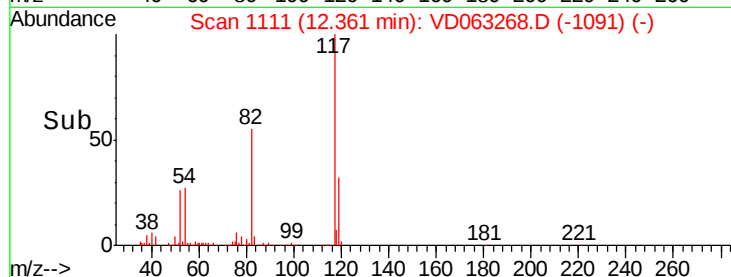
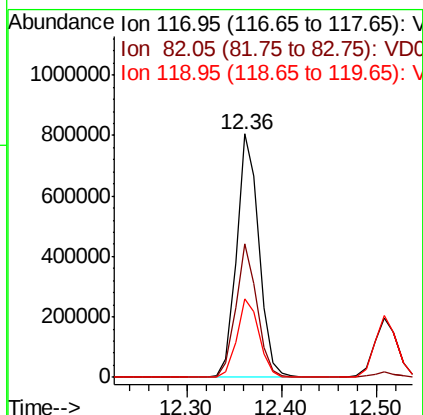
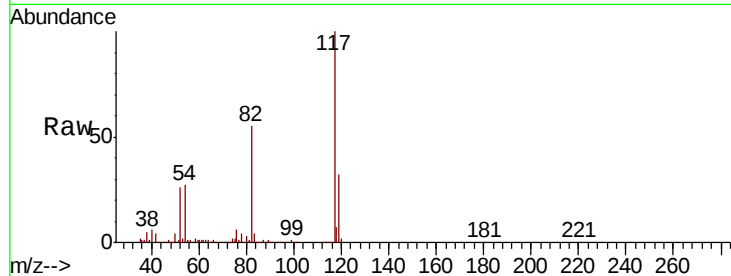




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

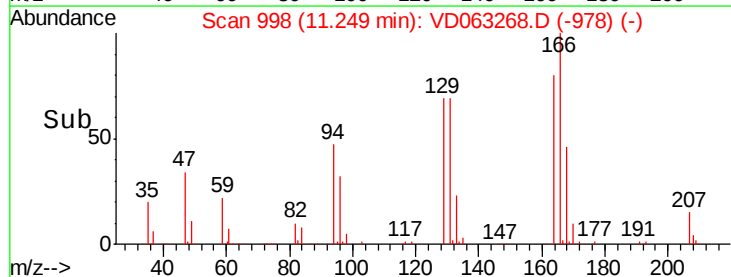
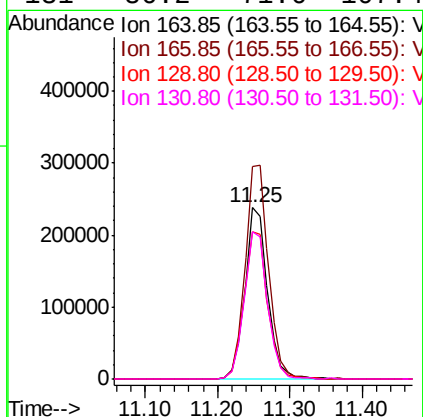
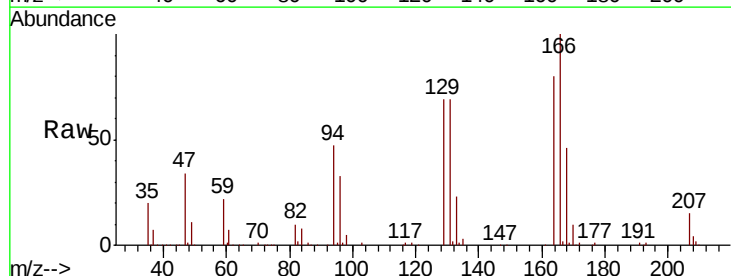
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

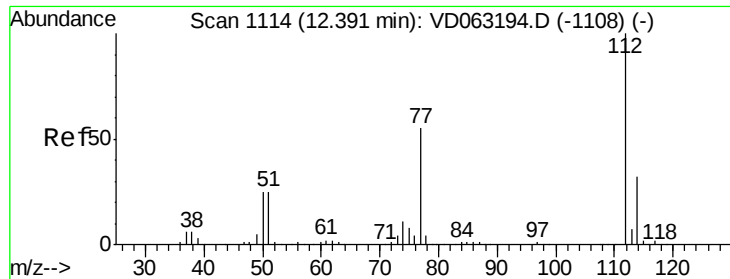
Tot Ion:117 Resp: 1313997
Ion Ratio Lower Upper
117 100
82 54.7 40.1 60.1
119 32.2 26.5 39.7



#64
Tetrachloroethene
Concen: 50.024 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion:164 Resp: 523662
Ion Ratio Lower Upper
164 100
166 124.3 104.3 156.5
129 86.2 70.9 106.3
131 86.2 71.6 107.4

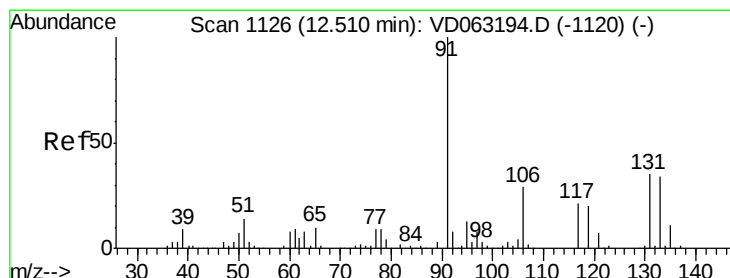
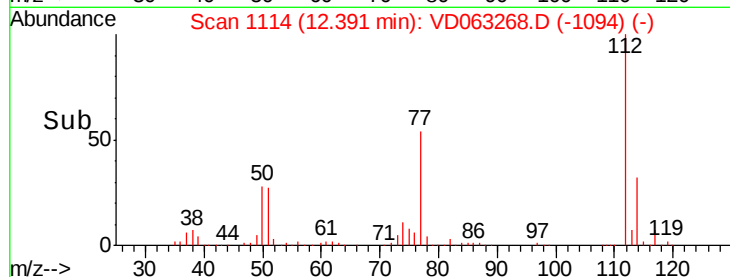
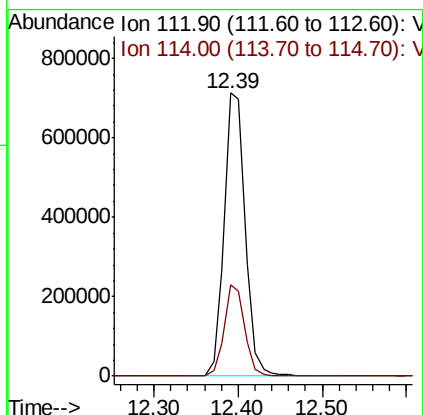
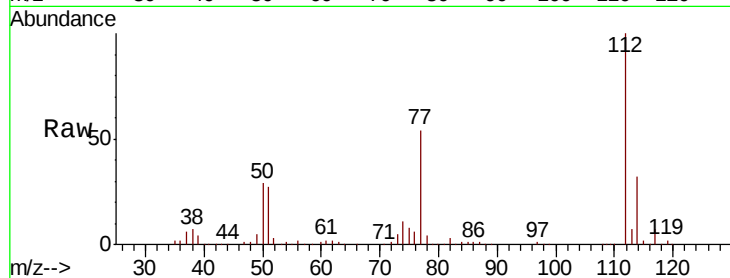




#65
Chlorobenzene
Concen: 48.872 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

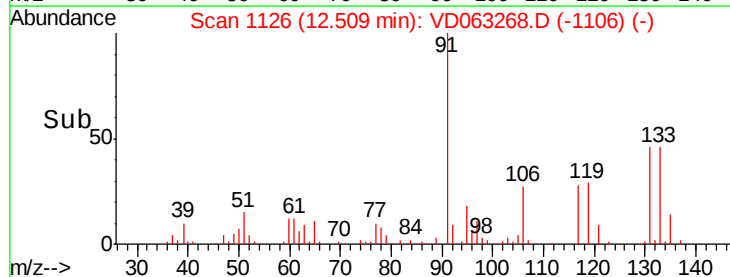
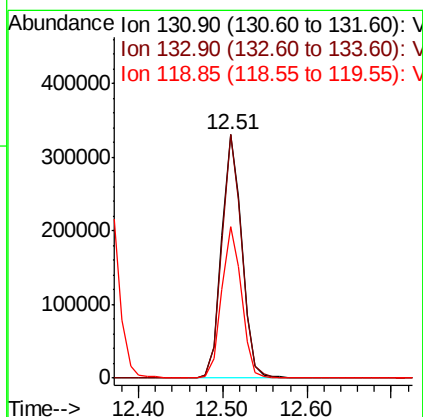
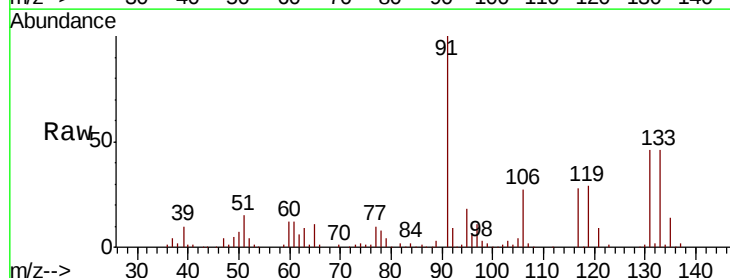
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

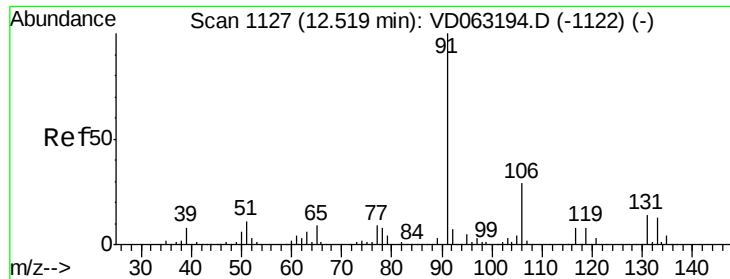
Tot Ion:112 Resp: 1235200
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.310 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion:131 Resp: 548964
Ion Ratio Lower Upper
131 100
133 99.8 48.4 145.2
119 62.3 29.1 87.3

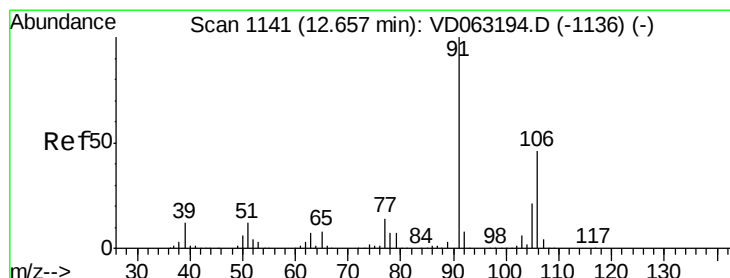
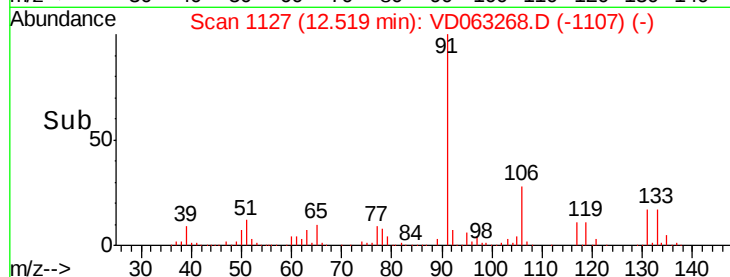
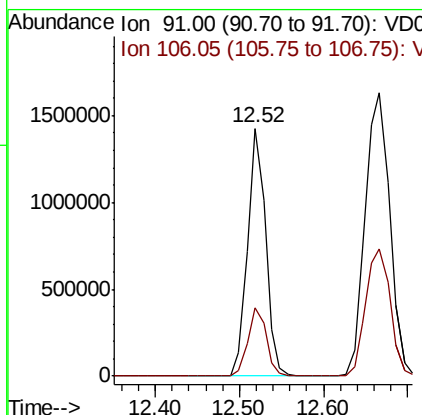
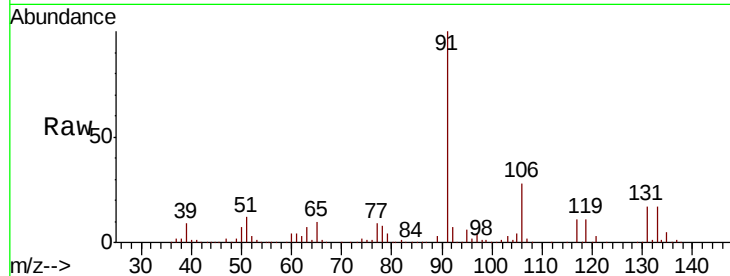




#67
Ethyl Benzene
Concen: 50.305 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

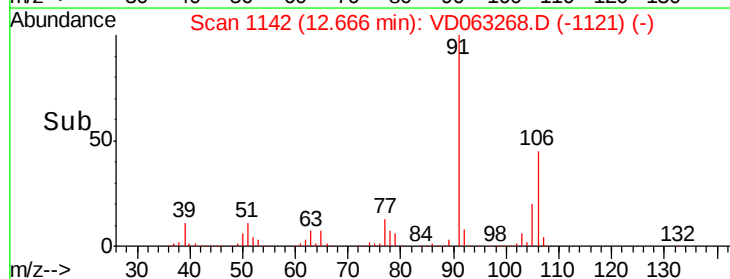
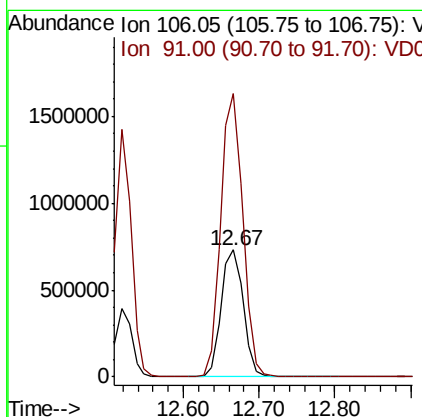
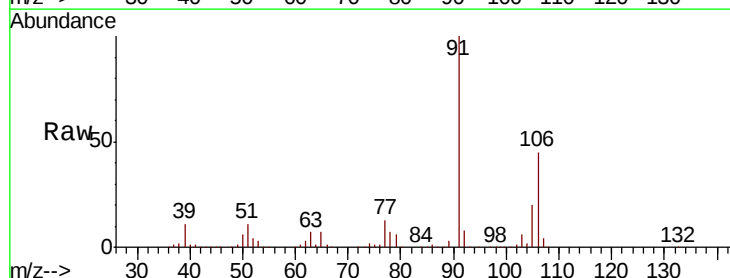
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

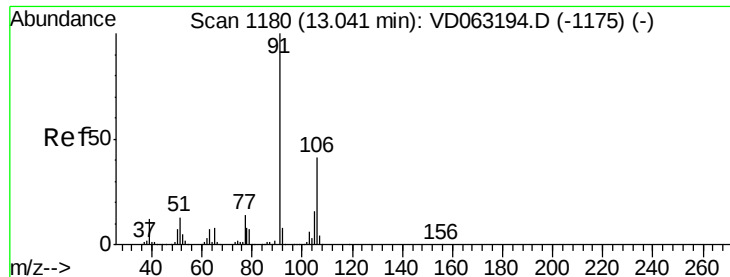
Tot Ion: 91 Resp: 2159862
Ion Ratio Lower Upper
91 100
106 27.5 22.9 34.3



#68
m/p-Xylenes
Concen: 94.944 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 106 Resp: 1494951
Ion Ratio Lower Upper
106 100
91 222.7 172.6 259.0

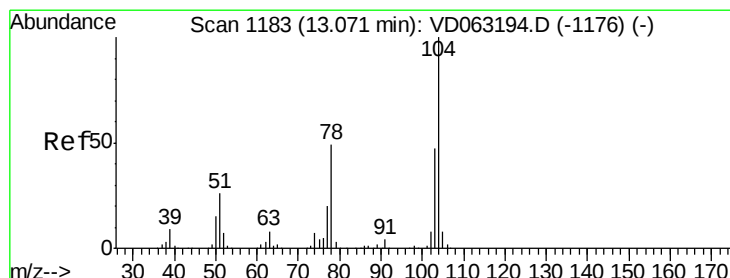
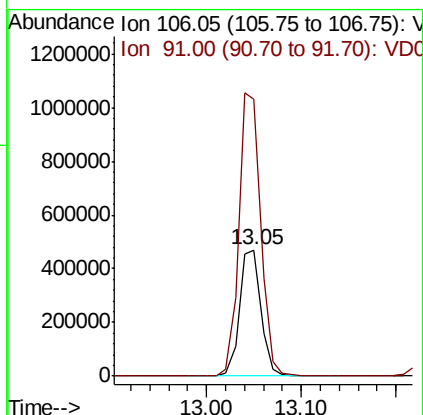
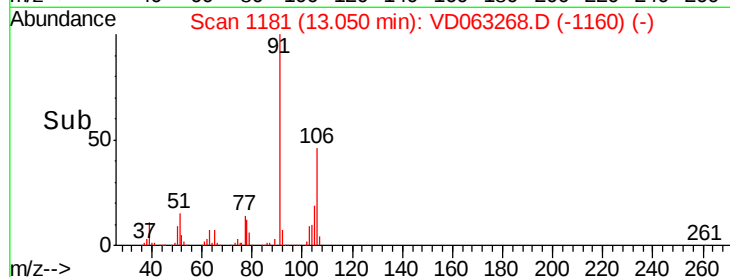
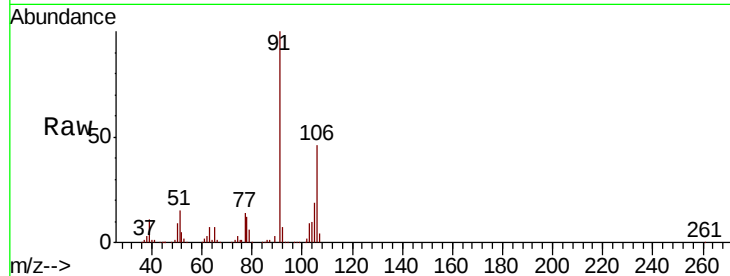




#69
o-Xylene
Concen: 50.838 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

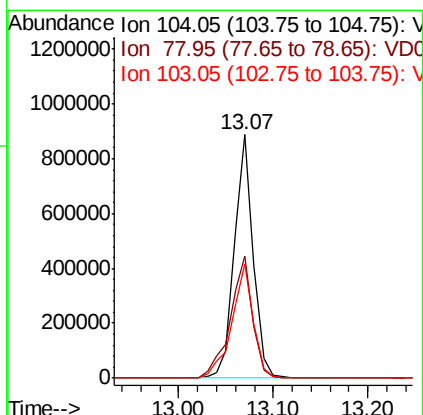
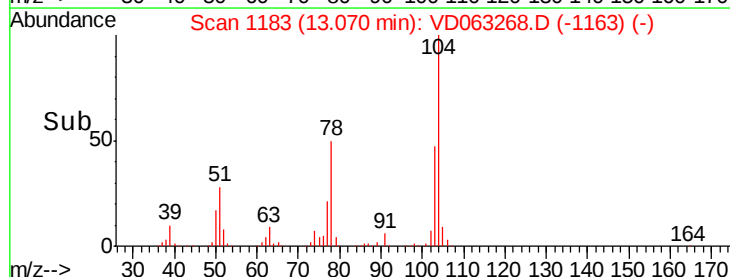
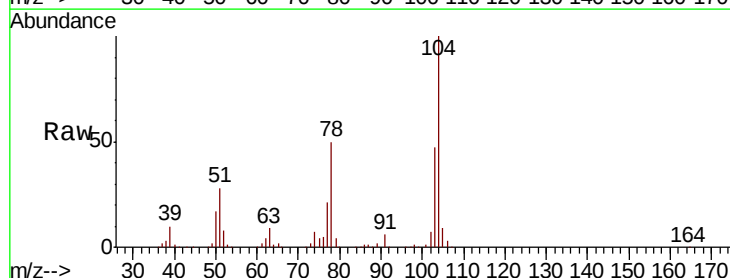
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

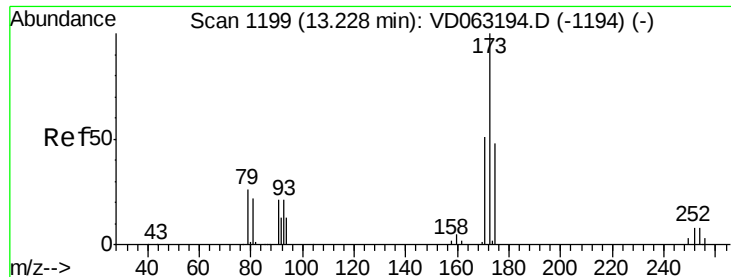
Tot Ion:106 Resp: 735081
Ion Ratio Lower Upper
106 100
91 219.1 121.3 363.9



#70
Styrene
Concen: 47.820 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion:104 Resp: 1226213
Ion Ratio Lower Upper
104 100
78 50.2 39.4 59.0
103 47.2 37.4 56.2





#71

Bromoform

Concen: 45.116 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

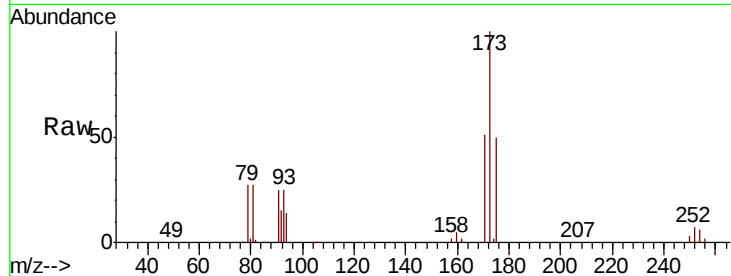
Tot Ion:173 Resp: 365265

Ion Ratio Lower Upper

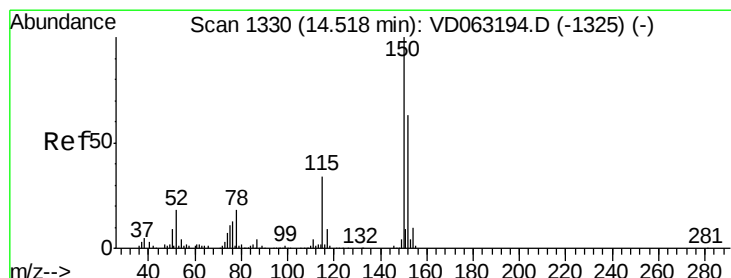
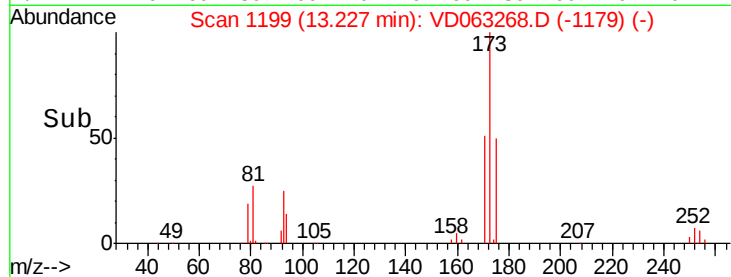
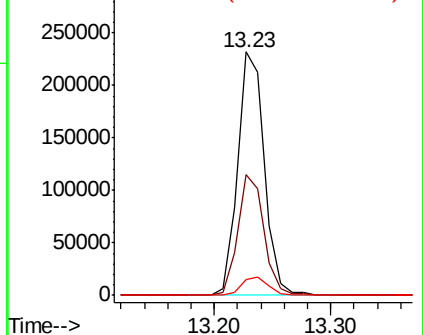
173 100

175 49.5 23.8 71.5

254 6.4 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: VD063268.D

Acq: 31 Jul 2019 10:02

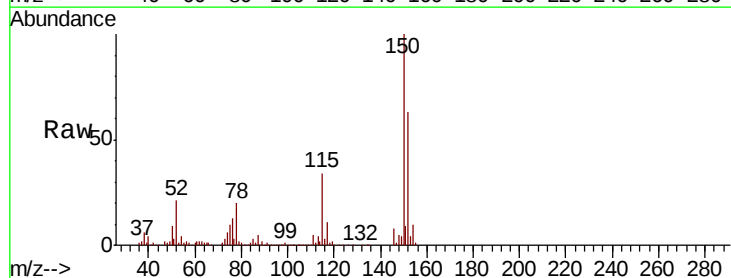
Tgt Ion:152 Resp: 656009

Ion Ratio Lower Upper

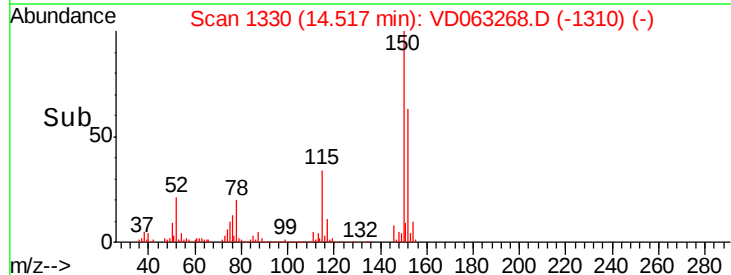
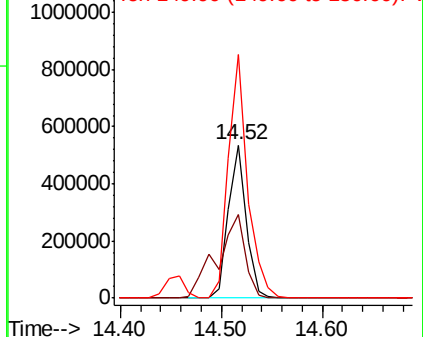
152 100

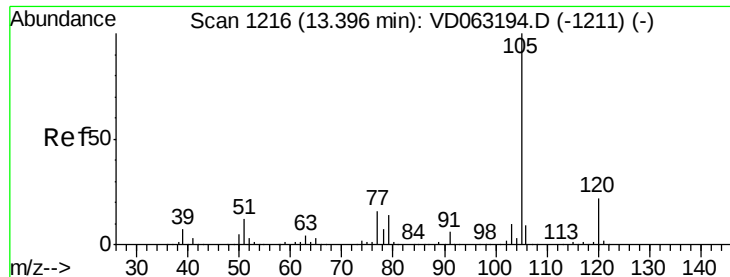
115 54.5 27.5 82.4

150 158.9 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: 53.740 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

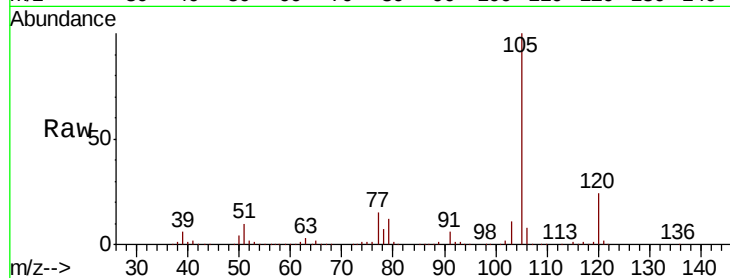
VSTDCCC050

Tot Ion:105 Resp: 2212633

Ion Ratio Lower Upper

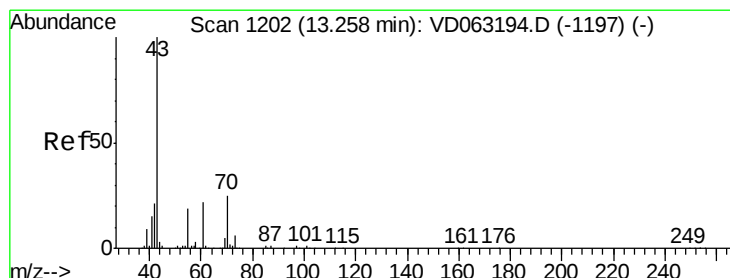
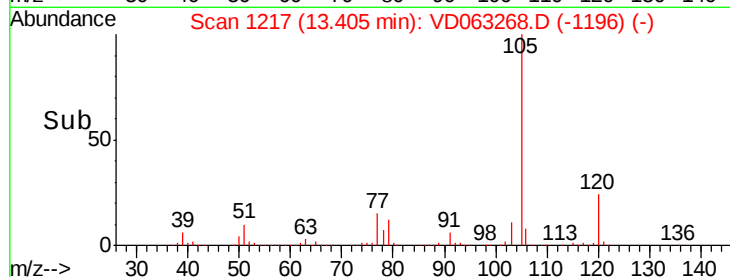
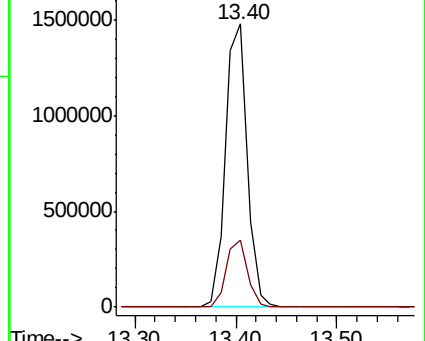
105 100

120 23.7 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: 49.232 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Tgt Ion: 43 Resp: 535867

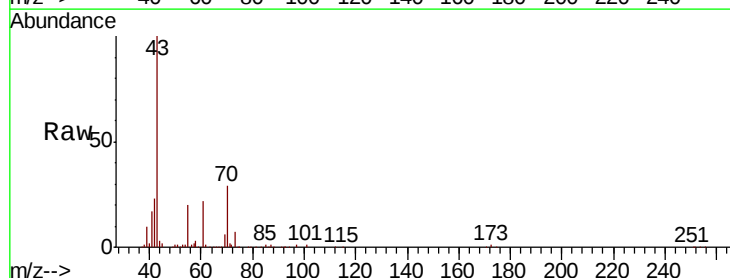
Ion Ratio Lower Upper

43 100

70 29.1 20.2 30.4

55 19.7 14.9 22.3

61 22.3 17.9 26.9

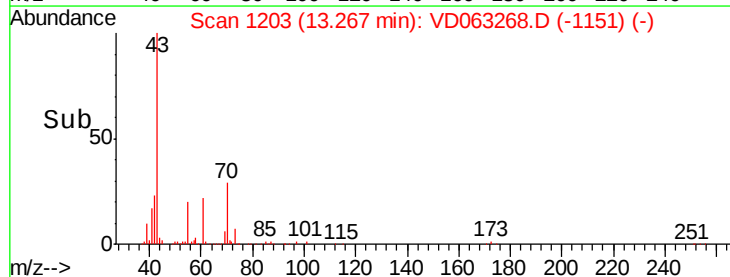
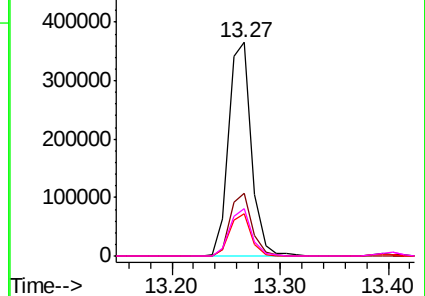


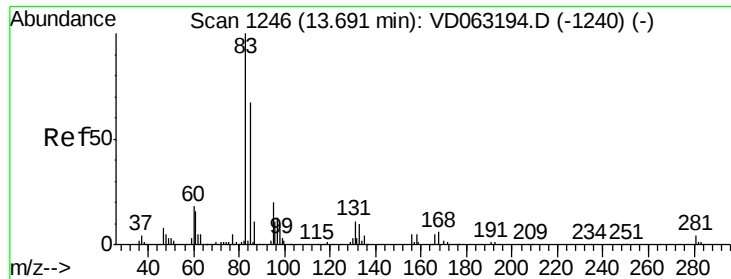
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.378 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

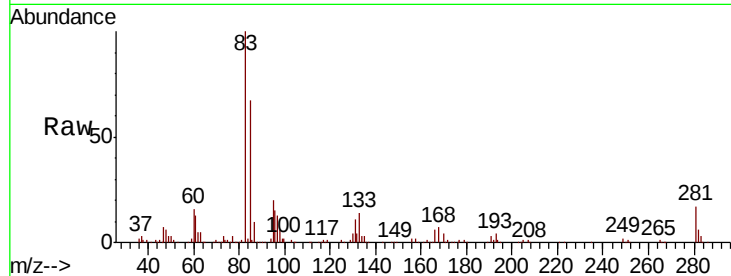
Tot Ion: 83 Resp: 359330

Ion Ratio Lower Upper

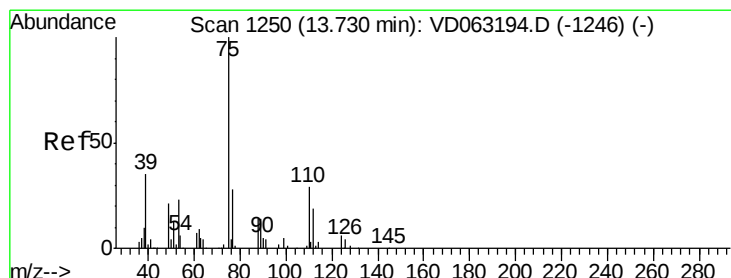
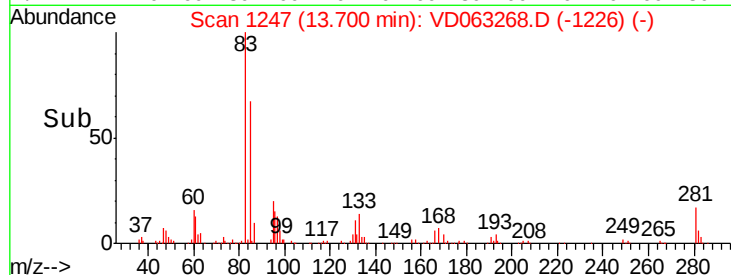
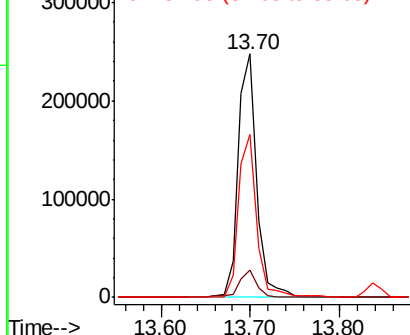
83 100

131 11.4 5.5 16.7

85 67.2 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: 49.168 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063268.D

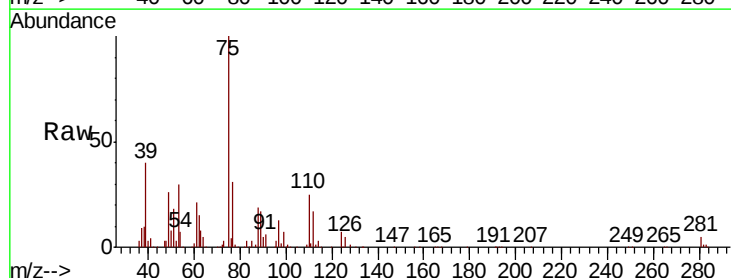
Acq: 31 Jul 2019 10:02

Tgt Ion: 75 Resp: 387419

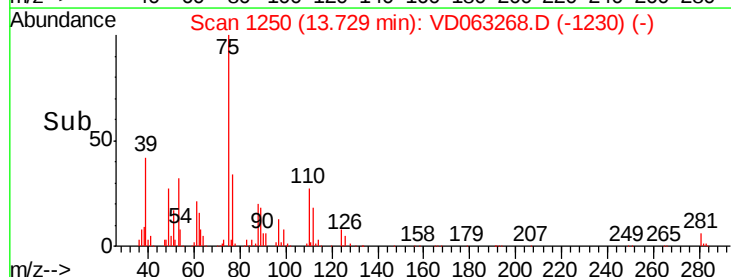
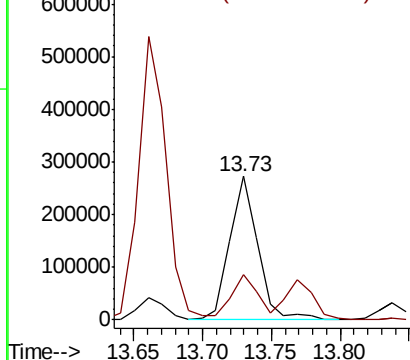
Ion Ratio Lower Upper

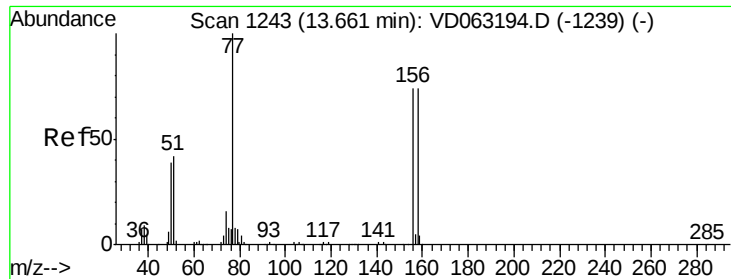
75 100

77 31.5 16.0 48.0



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





#77

Bromobenzene

Concen: 50.329 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

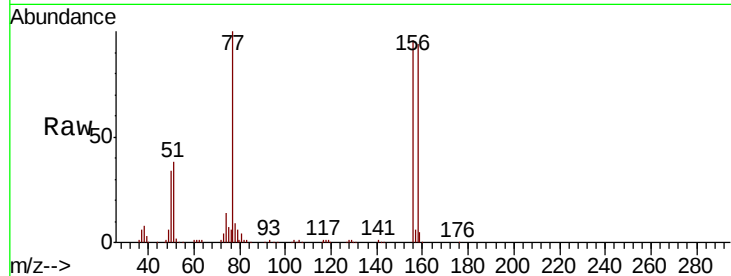
Tot Ion:156 Resp: 590304

Ion Ratio Lower Upper

156 100

77 104.3 67.6 202.8

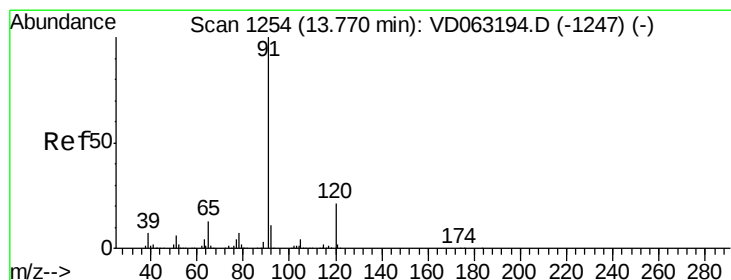
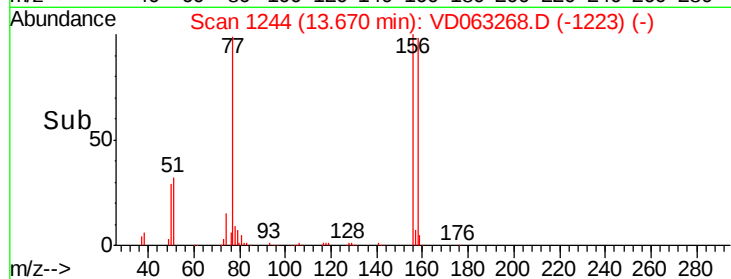
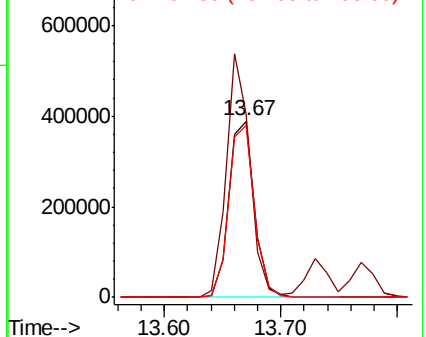
158 97.9 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.645 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063268.D

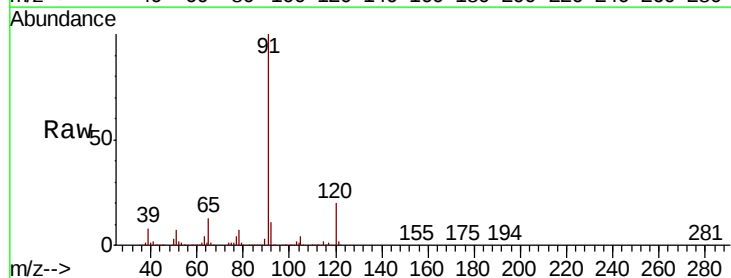
Acq: 31 Jul 2019 10:02

Tgt Ion: 91 Resp: 2432448

Ion Ratio Lower Upper

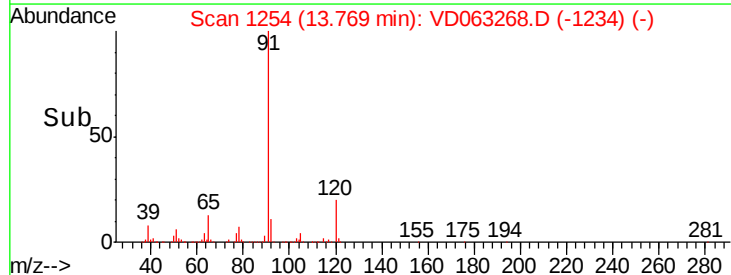
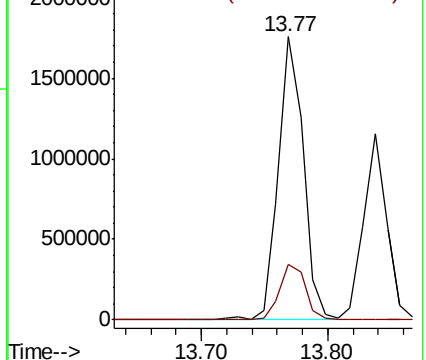
91 100

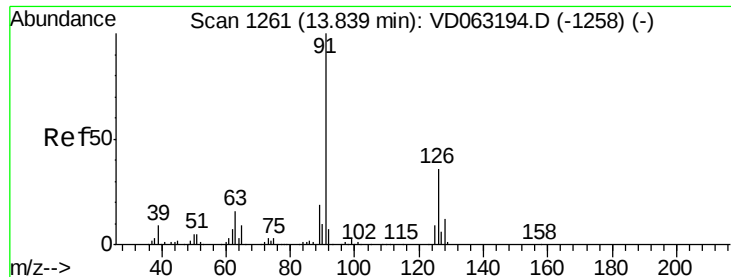
120 19.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.238 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

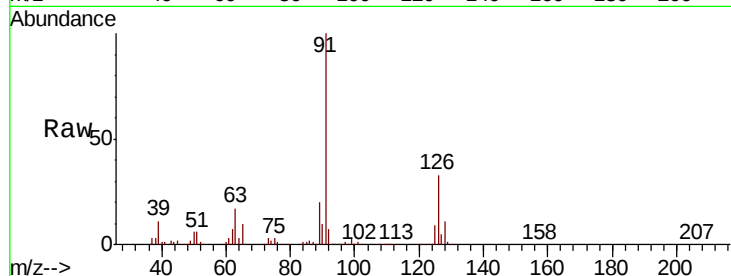
VSTDCCC050

Tot Ion: 91 Resp: 1454671

Ion Ratio Lower Upper

91 100

126 33.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD063194.D (-1258) (-)

2000000

1500000

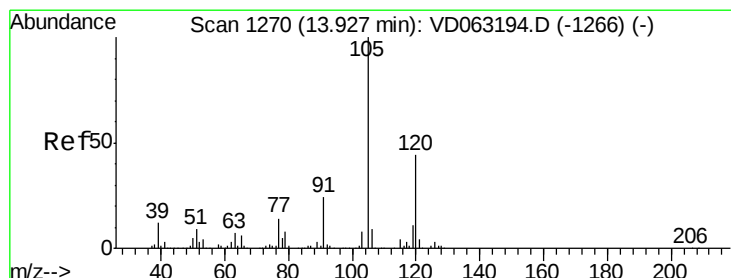
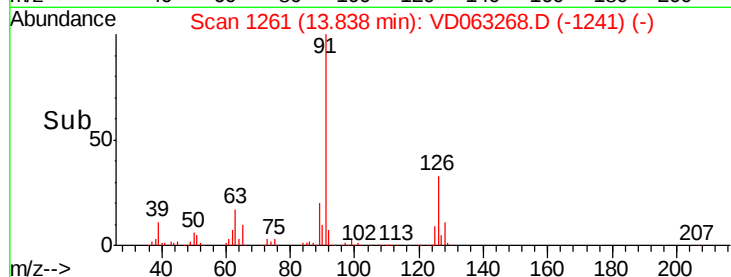
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.873 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063268.D

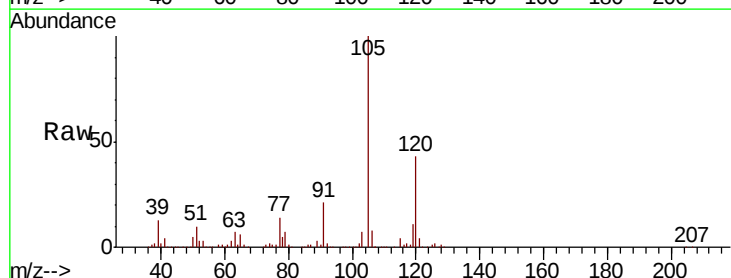
Acq: 31 Jul 2019 10:02

Tgt Ion:105 Resp: 1842106

Ion Ratio Lower Upper

105 100

120 43.4 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063194.D (-1266) (-)

1500000

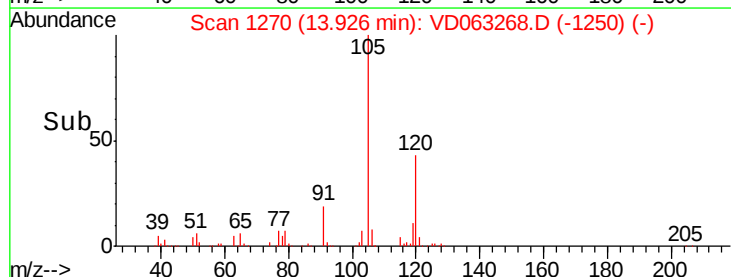
1000000

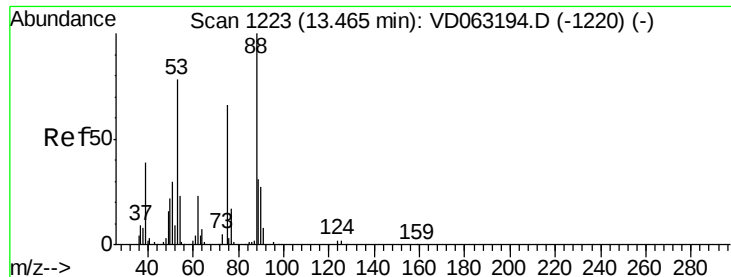
500000

0

13.90 14.00

Time-->

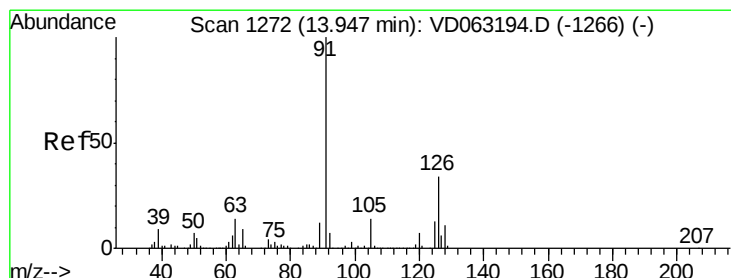
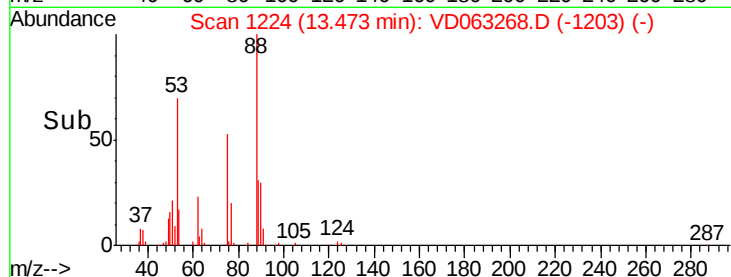
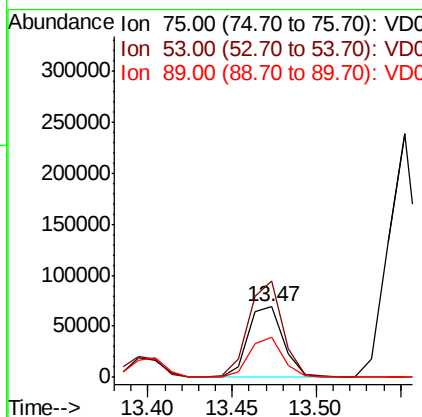
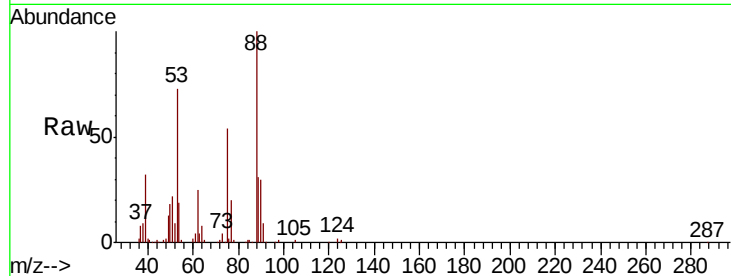




#81
trans-1,4-Dichloro-2-butene
Concen: 46.353 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

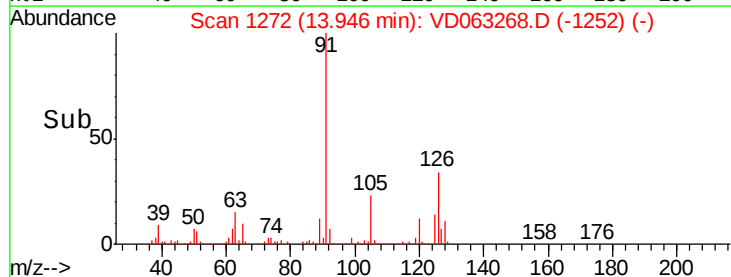
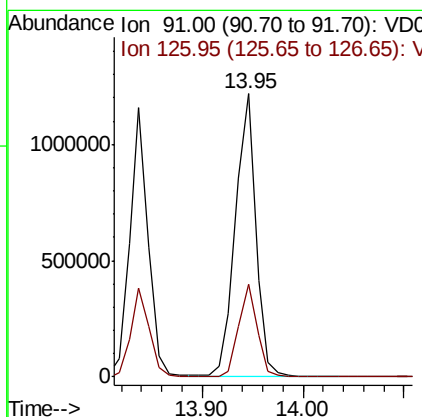
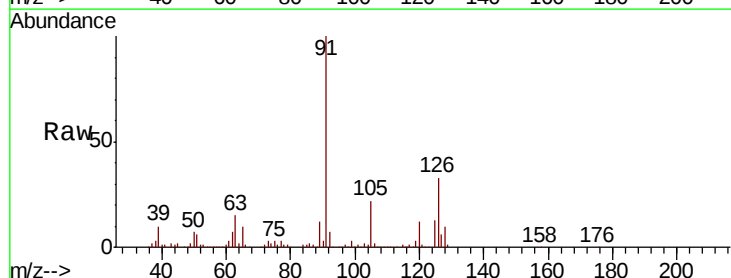
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 101420
Ion Ratio Lower Upper
75 100
53 136.7 94.9 142.3
89 57.5 37.4 56.0#



#82
4-Chlorotoluene
Concen: 51.143 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion: 91 Resp: 1708784
Ion Ratio Lower Upper
91 100
126 32.5 17.1 51.2

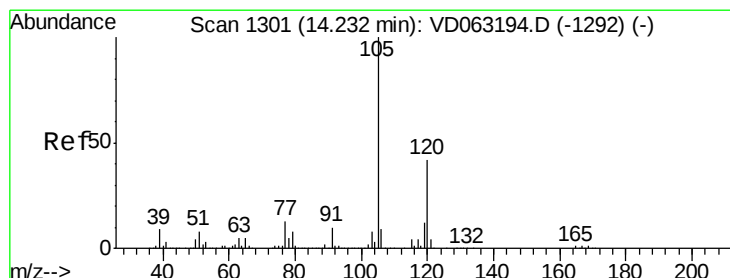
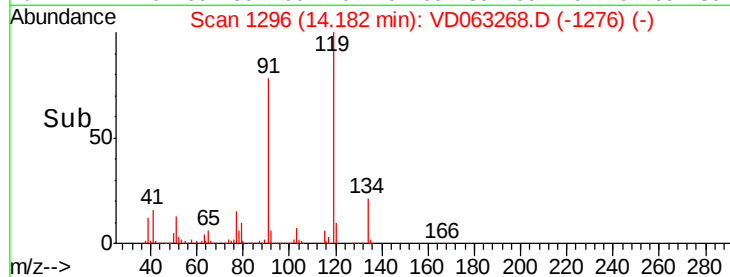
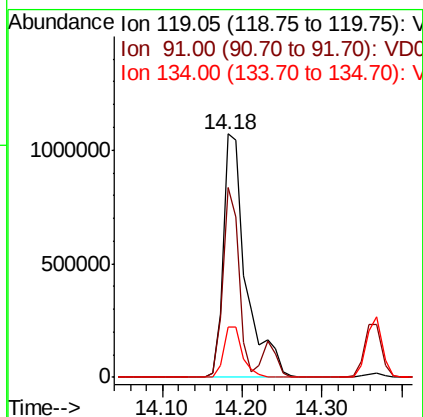
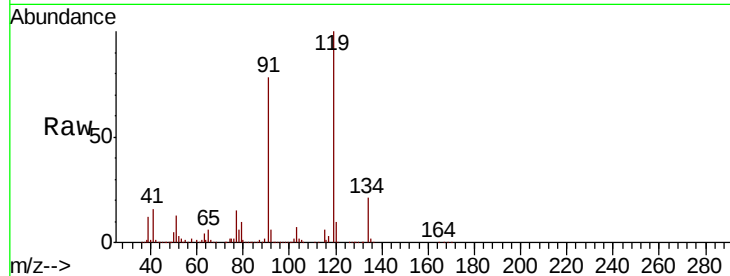




#83
tert-Butylbenzene
Concen: 52.746 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

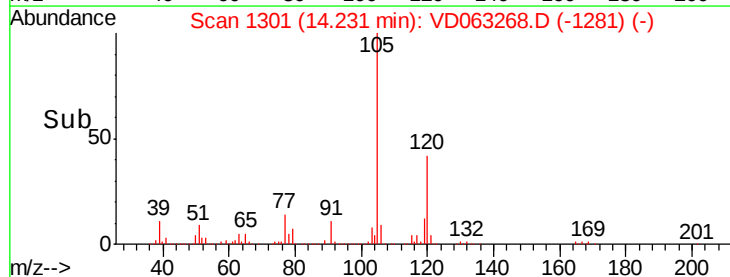
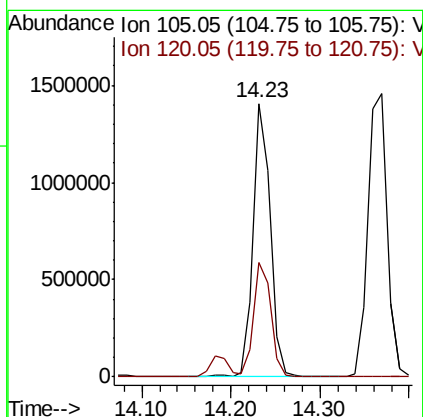
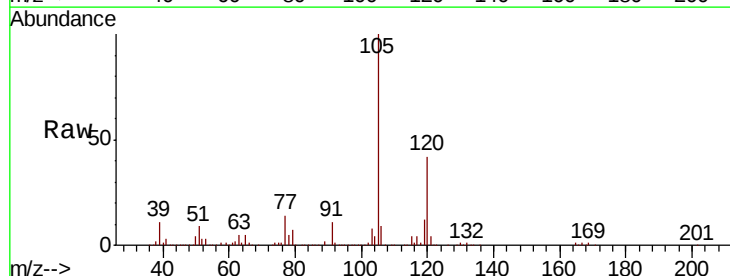
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

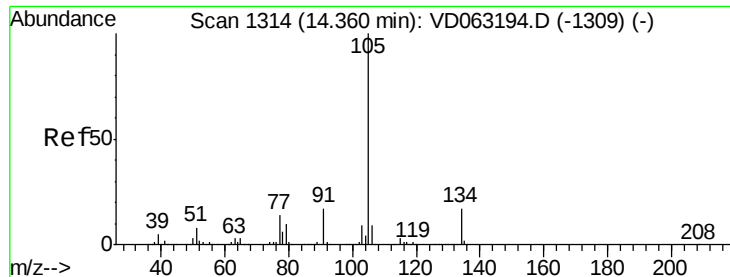
Tot Ion:119 Resp: 2138732
Ion Ratio Lower Upper
119 100
91 78.2 39.1 117.5
134 20.5 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 50.510 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion:105 Resp: 1855290
Ion Ratio Lower Upper
105 100
120 42.0 20.9 62.7

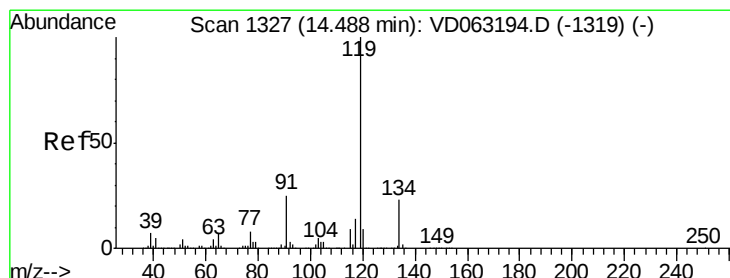
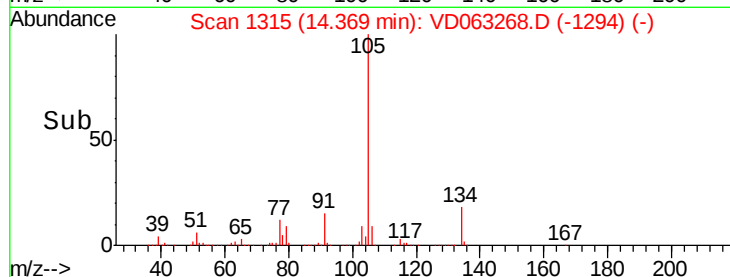
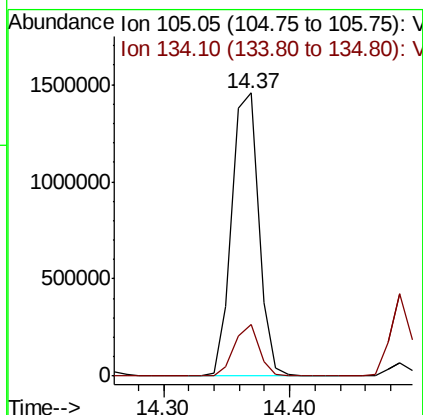
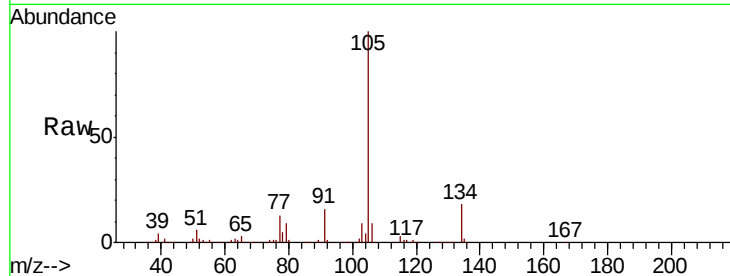




#85
 sec-Butylbenzene
 Concen: 50.321 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

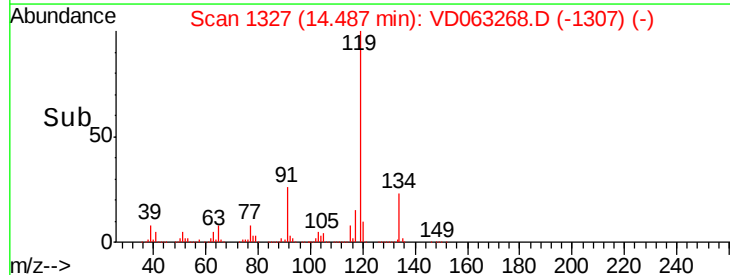
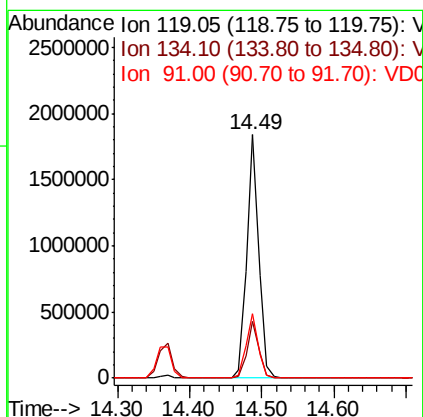
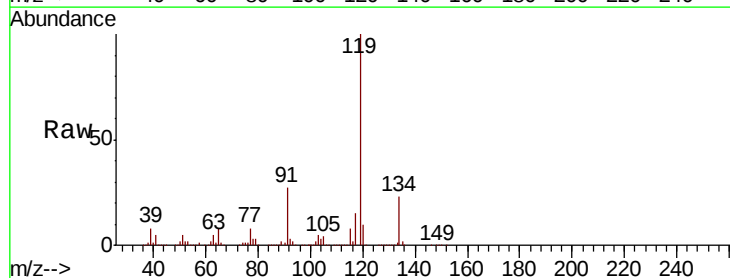
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

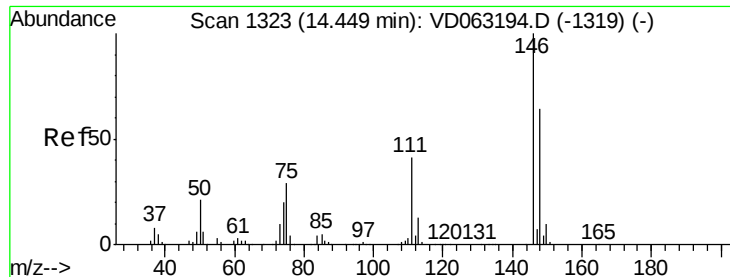
Tot Ion:105 Resp: 2149742
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 52.462 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Tgt Ion:119 Resp: 2139101
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.5
 91 26.6 12.6 37.6

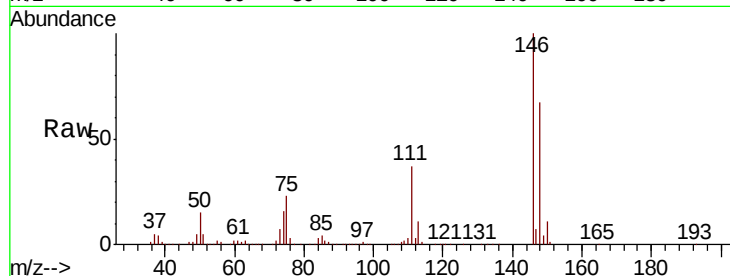




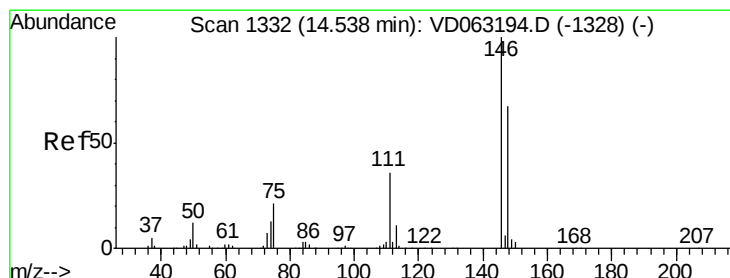
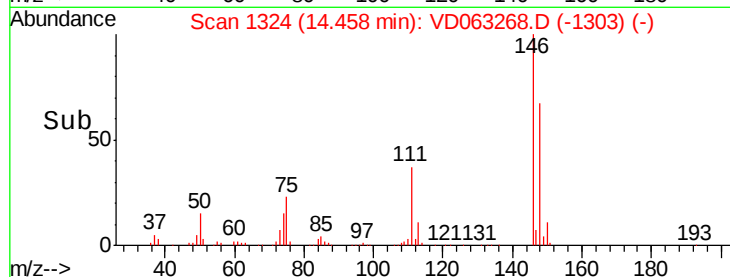
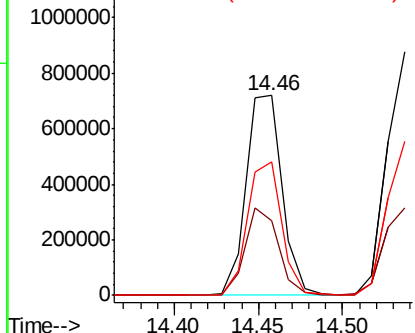
#87
 1,3-Dichlorobenzene
 Concen: 51.677 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1073381
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.4 61.3
 148 66.6 31.8 95.4

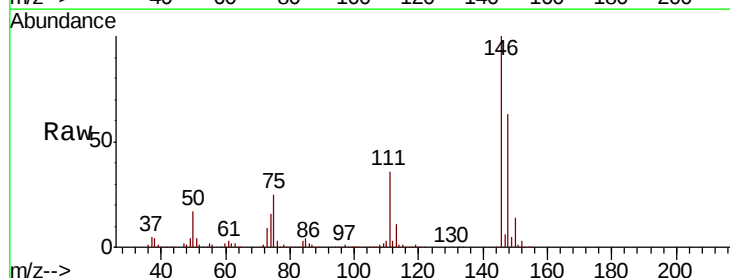


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

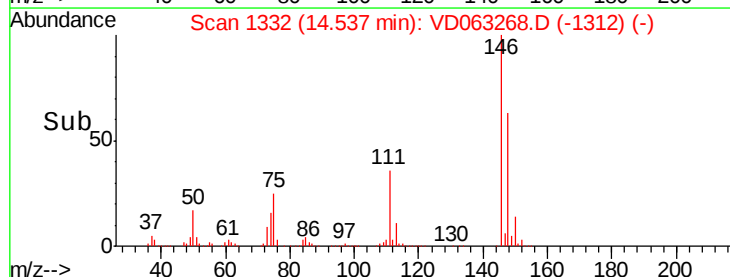
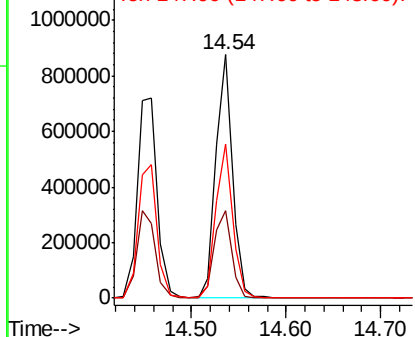


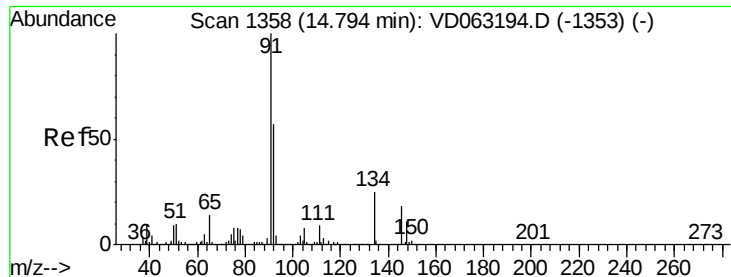
#88
 1,4-Dichlorobenzene
 Concen: 51.265 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Tgt Ion:146 Resp: 1076774
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.1 54.3
 148 63.3 33.4 100.1



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





#89

n-Butylbenzene

Concen: 48.915 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063268.D

Acq: 31 Jul 2019 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

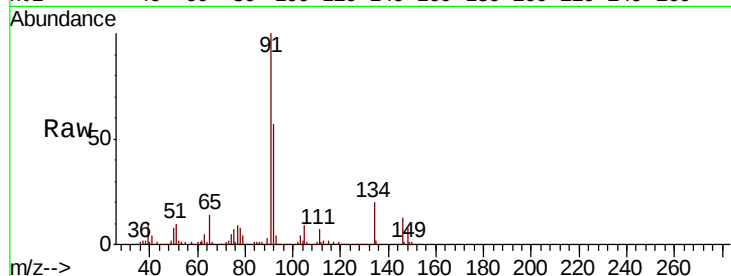
Tot Ion: 91 Resp: 1722622

Ion Ratio Lower Upper

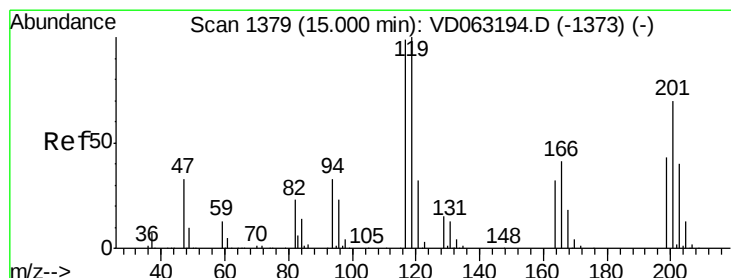
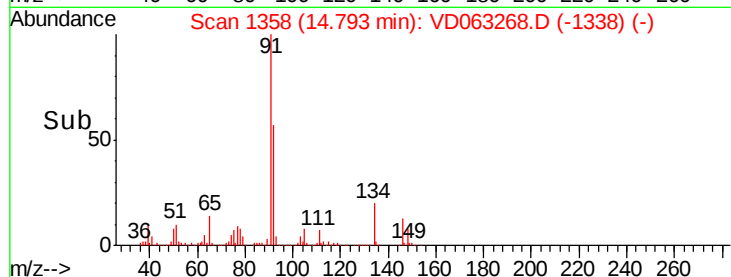
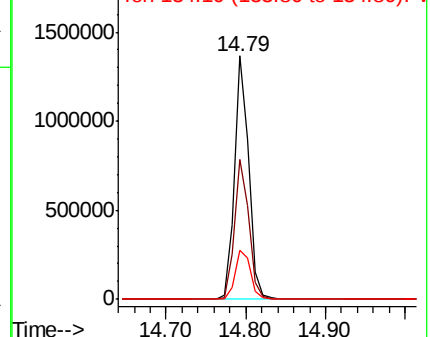
91 100

92 57.2 28.3 85.0

134 20.4 12.3 36.8



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



#90

Hexachloroethane

Concen: 50.179 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063268.D

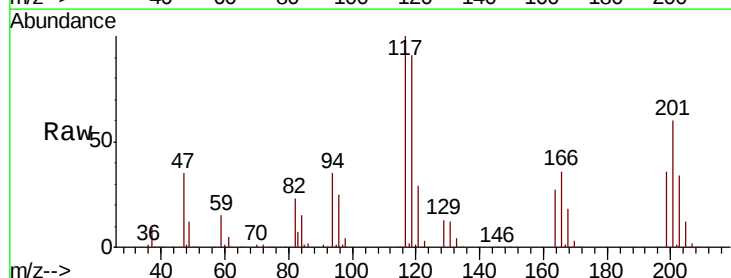
Acq: 31 Jul 2019 10:02

Tgt Ion: 117 Resp: 533055

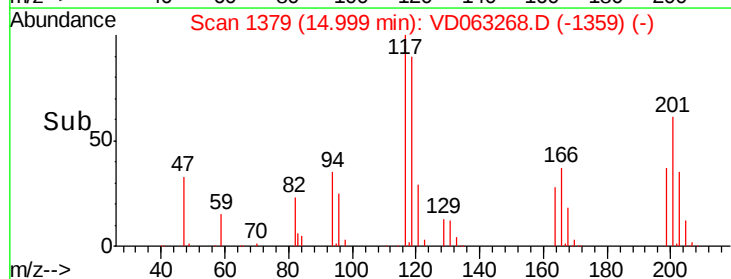
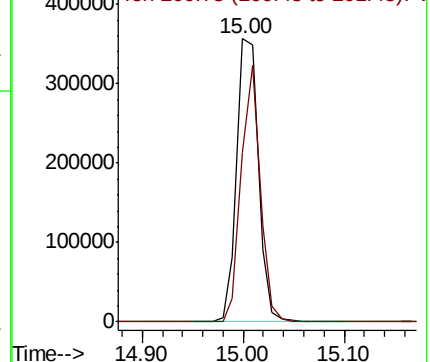
Ion Ratio Lower Upper

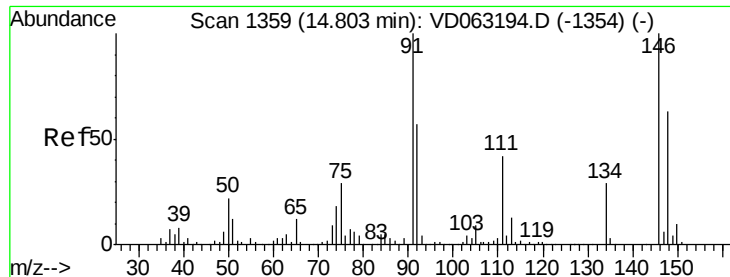
117 100

201 59.9 35.2 105.6



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

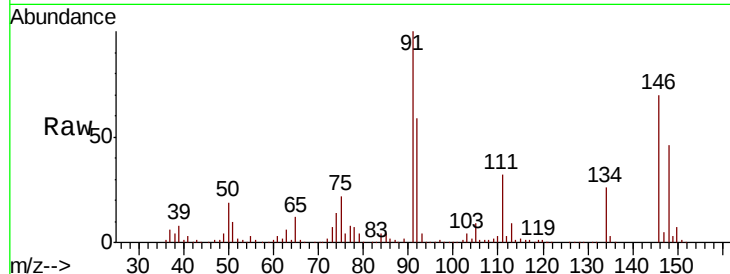




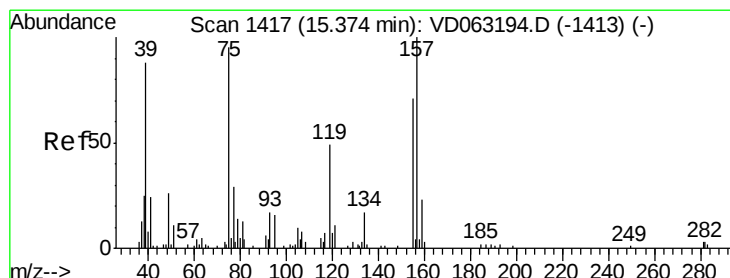
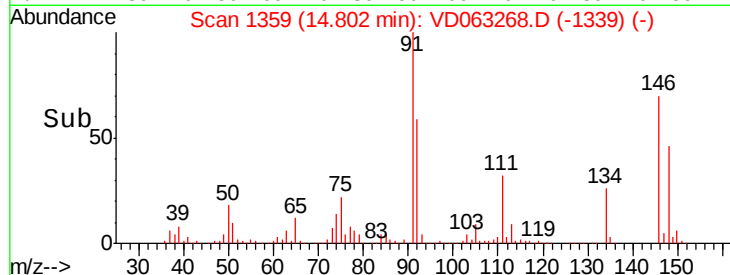
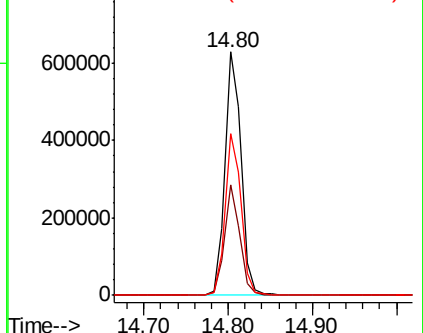
#91
 1,2-Dichlorobenzene
 Concen: 46.069 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 833733
 Ion Ratio Lower Upper
 146 100
 111 45.2 21.1 63.3
 148 66.3 31.6 94.8

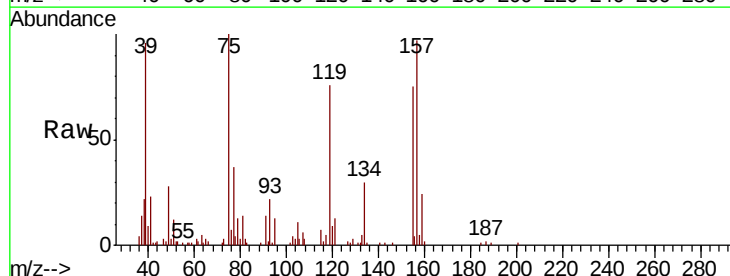


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

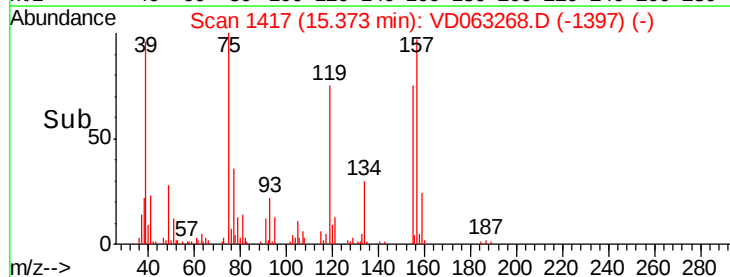
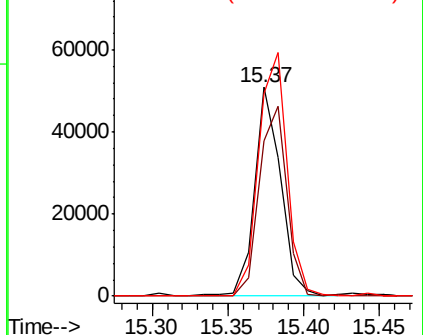


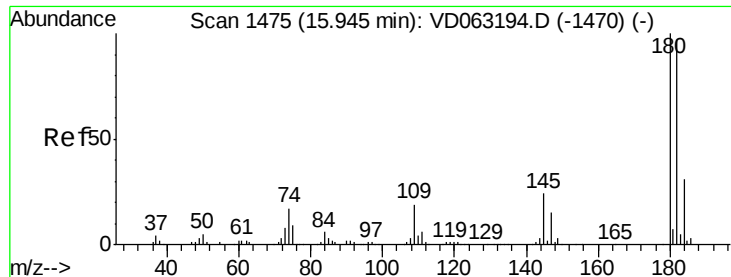
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.751 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Tgt Ion: 75 Resp: 60904
 Ion Ratio Lower Upper
 75 100
 155 74.6 37.0 111.0
 157 97.3 52.4 157.2



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

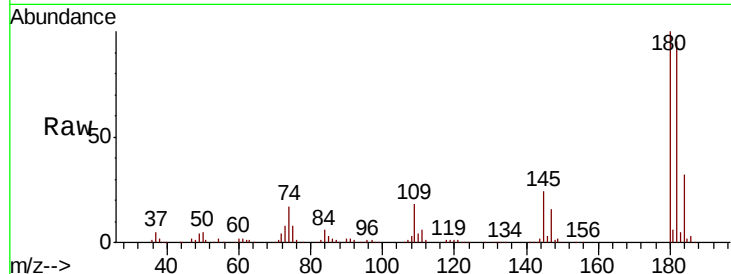




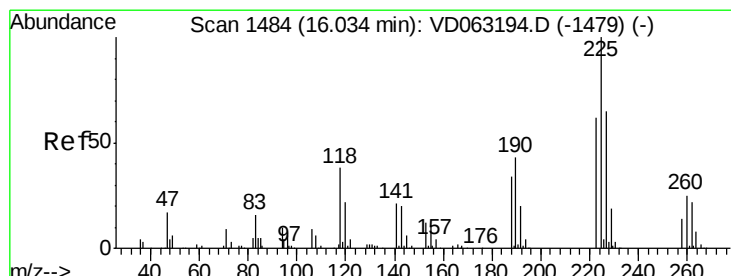
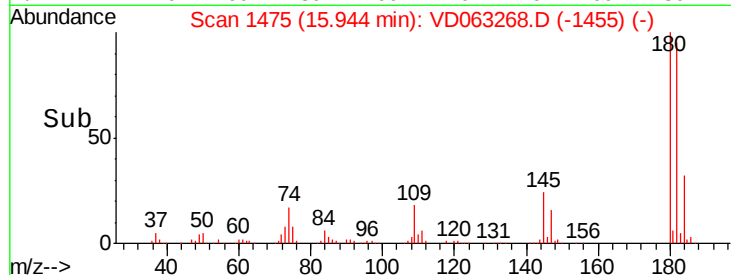
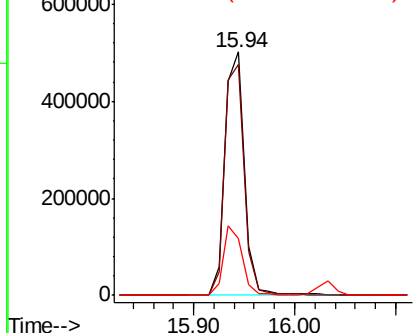
#93
 1,2,4-Trichlorobenzene
 Concen: 47.056 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 675580
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.6 145.8
 145 23.6 12.2 36.6

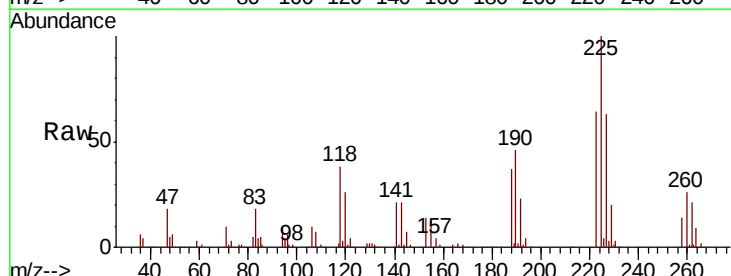


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

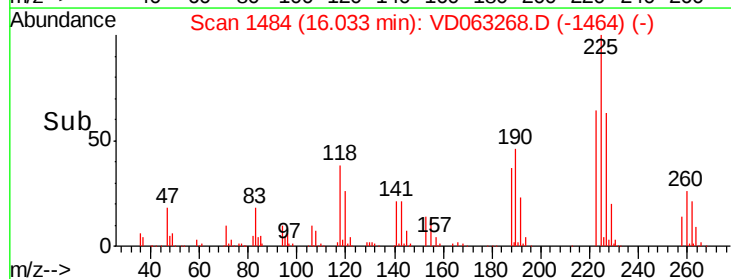
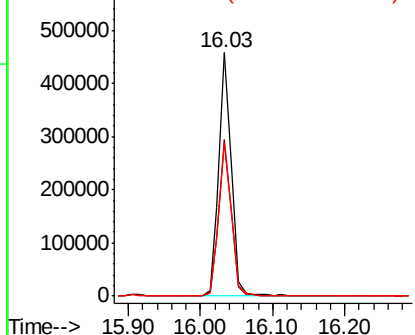


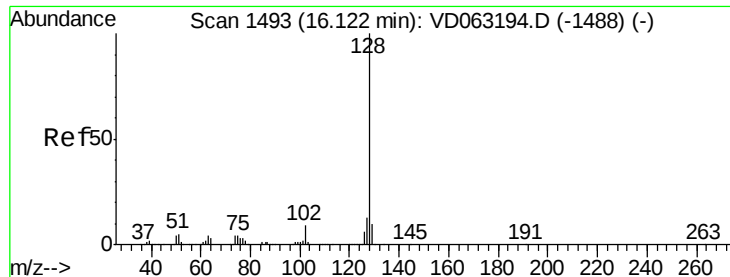
#94
 Hexachlorobutadiene
 Concen: 52.131 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063268.D
 Acq: 31 Jul 2019 10:02

Tgt Ion:225 Resp: 542371
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.9 92.5
 227 62.7 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

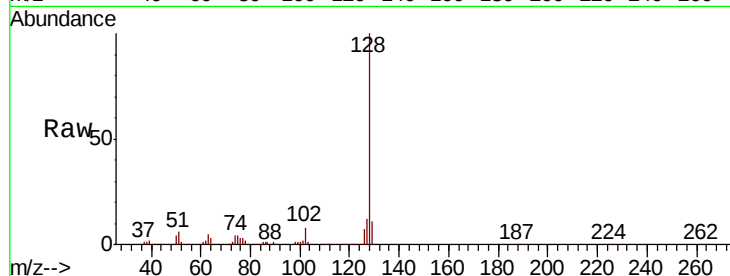




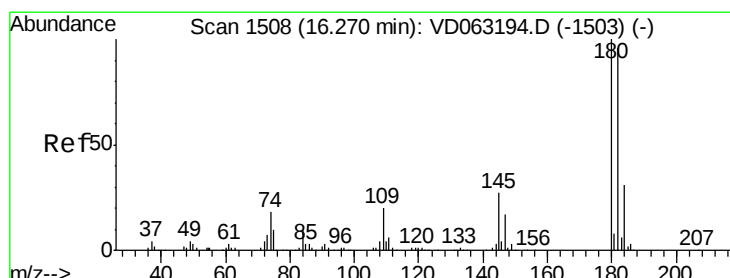
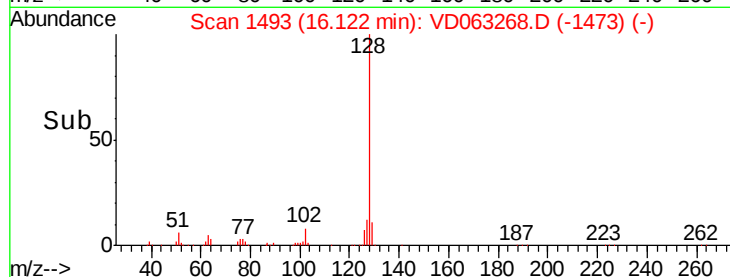
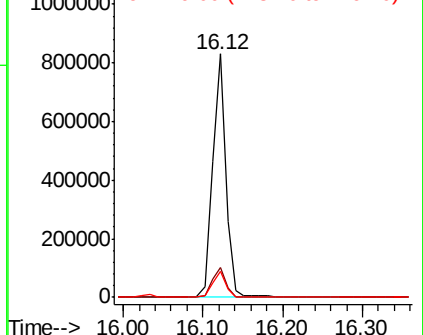
#95
Naphthalene
Concen: 48.081 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 975655
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.6 7.8 11.8

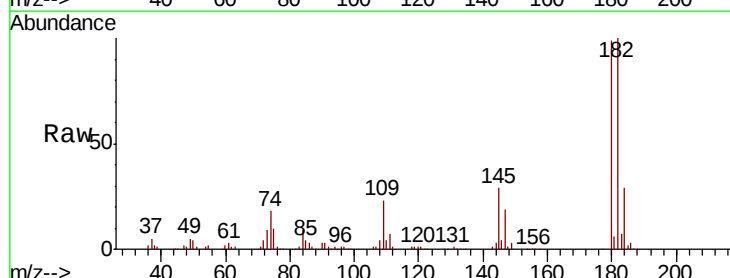


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 46.151 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063268.D
Acq: 31 Jul 2019 10:02

Tgt Ion:180 Resp: 523431
Ion Ratio Lower Upper
180 100
182 101.4 48.3 144.9
145 29.7 13.6 40.7



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

