

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063452.D
 Acq On : 8 Aug 2019 21:56
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 09 03:16:57 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	7.06	168	859446	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1234120	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1050677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	558699	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	511520	53.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.28%	
35) Dibromofluoromethane	6.93	113	594963	56.47	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.94%	
50) Toluene-d8	10.42	98	1286890	54.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	13.56	95	556304	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	462232	43.999	ug/l	98
3) Chloromethane	1.75	50	368329	45.126	ug/l	93
4) Vinyl Chloride	1.85	62	376876	44.602	ug/l	96
5) Bromomethane	2.15	94	187118	43.908	ug/l	97
6) Chloroethane	2.27	64	210825	54.041	ug/l	94
7) Trichlorofluoromethane	2.54	101	841141	51.313	ug/l	100
8) Diethyl Ether	2.88	74	116595	50.822	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	489586	53.917	ug/l	99
10) Methyl Iodide	3.30	142	652629	49.752	ug/l	95
11) Tert butyl alcohol	4.09	59	109084	260.653	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	359364	53.909	ug/l	84
13) Acrolein	3.04	56	84192	209.033	ug/l	97
14) Allyl chloride	3.62	41	551198	51.904	ug/l	98
15) Acrylonitrile	4.20	53	304130	280.304	ug/l	99
16) Acetone	3.24	43	448415	241.335	ug/l	99
17) Carbon Disulfide	3.37	76	1000899	44.858	ug/l	100
18) Methyl Acetate	3.64	43	201302	56.403	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	803587	53.366	ug/l	98
20) Methylene Chloride	3.82	84	391800	52.167	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	401633	53.696	ug/l	93
22) Diisopropyl ether	5.14	45	1151023	54.251	ug/l	99
23) Vinyl Acetate	5.07	43	3567565	273.547	ug/l	100
24) 1,1-Dichloroethane	4.99	63	692183	51.076	ug/l	97
25) 2-Butanone	6.08	43	494334	265.098	ug/l	94
26) 2,2-Dichloropropane	6.03	77	692674	49.597	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	423323	52.788	ug/l	93
28) Bromochloromethane	6.44	49	295930	54.806	ug/l	94
29) Tetrahydrofuran	6.46	42	231793	262.551	ug/l	99
30) Chloroform	6.67	83	890491	52.947	ug/l	98
31) Cyclohexane	6.97	56	422294	49.713	ug/l	89
32) 1,1,1-Trichloroethane	6.88	97	836303	51.408	ug/l	98
36) 1,1-Dichloropropene	7.15	75	546511	48.523	ug/l	99
37) Ethyl Acetate	6.19	43	242402	47.906	ug/l	98
38) Carbon Tetrachloride	7.11	117	904213	53.327	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	438677	46.748	ug/l	93
40) Benzene	7.47	78	1186939	50.283	ug/l	98
41) Methacrylonitrile	6.45	41	316669	52.318	ug/l #	80
42) 1,2-Dichloroethane	7.59	62	637737	50.978	ug/l	99
43) Isopropyl Acetate	9.25	43	347895	53.824	ug/l #	99
44) Trichloroethene	8.55	130	485246	50.731	ug/l	98
45) 1,2-Dichloropropane	8.95	63	301584	50.266	ug/l	99
46) Dibromomethane	9.07	93	262216	52.562	ug/l	89
47) Bromodichloromethane	9.39	83	671644	52.816	ug/l	96
48) Methyl methacrylate	9.13	41	234069	55.837	ug/l	90
49) 1,4-Dioxane	9.08	88	36249	1020.862	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	1202373	273.529	ug/l	100
52) Toluene	10.52	92	824417	52.512	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	538190	49.089	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	606110	52.603	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	282356	53.252	ug/l	97
56) Ethyl methacrylate	11.05	69	295317	50.863	ug/l	98
57) 1,3-Dichloropropane	11.42	76	426664	51.071	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	776131	256.896	ug/l	97
59) 2-Hexanone	11.54	43	864131	272.788	ug/l	98
60) Dibromochloromethane	11.69	129	533261	53.273	ug/l	95
61) 1,2-Dibromoethane	11.81	107	344267	52.618	ug/l	99
64) Tetrachloroethene	11.27	164	407694	48.707	ug/l	95
65) Chlorobenzene	12.41	112	1013991	50.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	480716	54.001	ug/l	95
67) Ethyl Benzene	12.53	91	1831153	53.338	ug/l	100
68) m/p-Xylenes	12.68	106	1337271	106.215	ug/l	98
69) o-Xylene	13.05	106	610944	52.842	ug/l	95
70) Styrene	13.08	104	1053544	51.383	ug/l	99
71) Bromoform	13.24	173	350848	54.196	ug/l #	97
73) Isopropylbenzene	13.40	105	1750361	49.917	ug/l	99
74) N-amyl acetate	13.27	43	491039	52.971	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	349489	58.674	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	360180	53.673	ug/l	94
77) Bromobenzene	13.68	156	547599	54.819	ug/l	82
78) n-propylbenzene	13.78	91	2125494	50.936	ug/l	98
79) 2-Chlorotoluene	13.85	91	1204442	49.813	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	1603444	53.017	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	90284	48.451	ug/l	97
82) 4-Chlorotoluene	13.96	91	1568136	55.108	ug/l	100
83) tert-Butylbenzene	14.19	119	1746192	50.566	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1589701	50.817	ug/l	97
85) sec-Butylbenzene	14.37	105	1775463	48.799	ug/l	97
86) p-Isopropyltoluene	14.50	119	1741136	50.139	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	877295	49.593	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	907075	50.707	ug/l	99
89) n-Butylbenzene	14.80	91	1549936	51.678	ug/l	98
90) Hexachloroethane	15.01	117	446859	49.391	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	806735	52.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	68179	56.194	ug/l	92

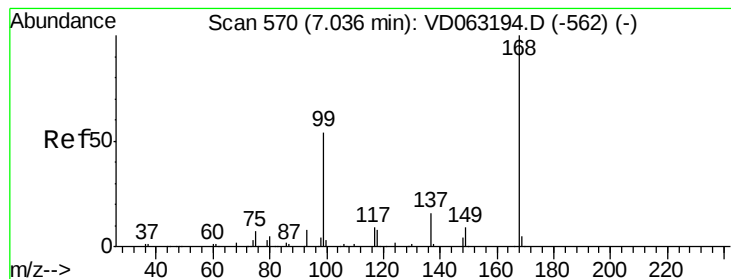
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	578847	47.341	ug/l	97
94) Hexachlorobutadiene	16.04	225	449886	50.773	ug/l	98
95) Naphthalene	16.13	128	859429	49.730	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	499323	51.693	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

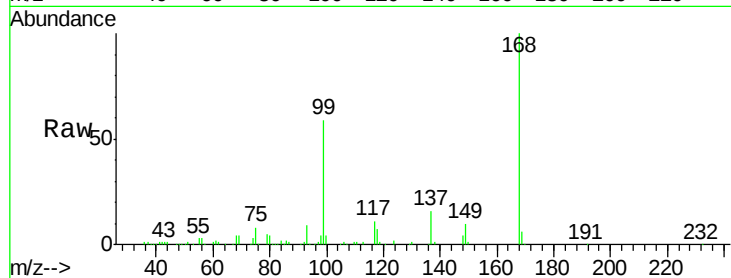
VSTDCCC050

Tot Ion:168 Resp: 859446

Ion Ratio Lower Upper

168 100

99 59.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

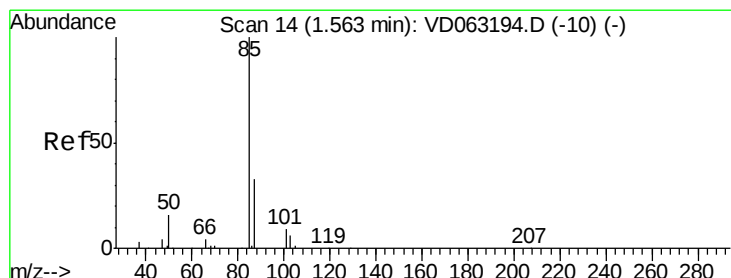
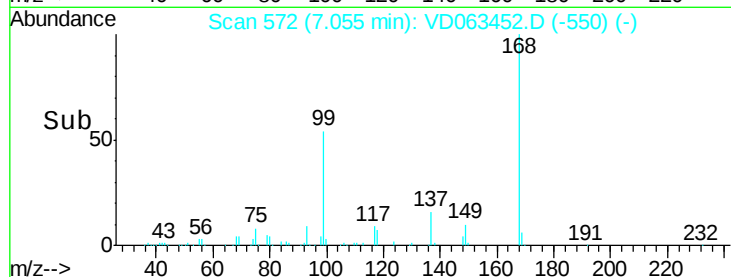
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.999 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063452.D

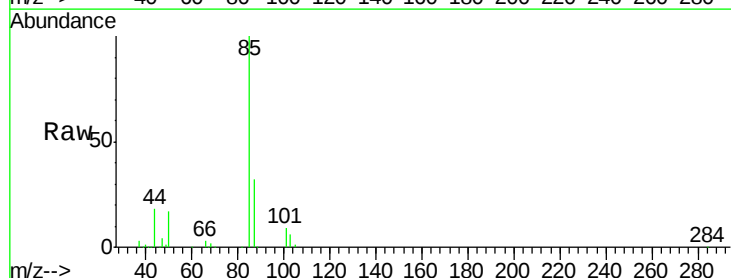
Acq: 8 Aug 2019 21:56

Tgt Ion: 85 Resp: 462232

Ion Ratio Lower Upper

85 100

87 32.0 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

250000

200000

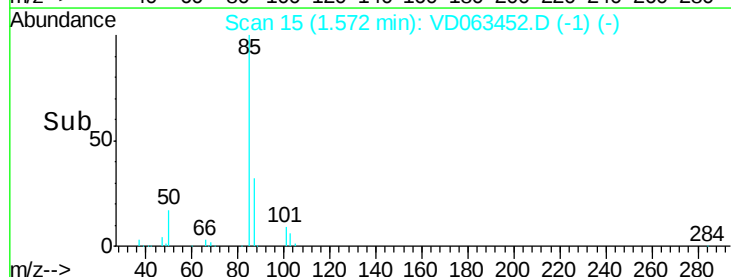
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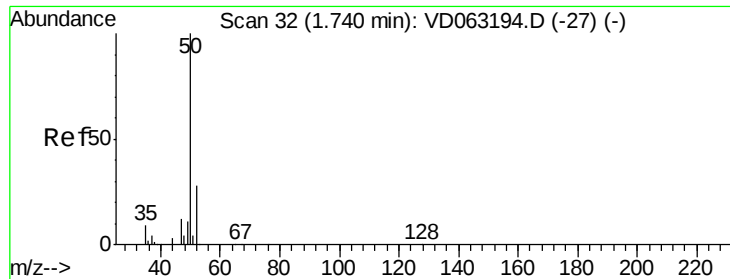
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.126 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

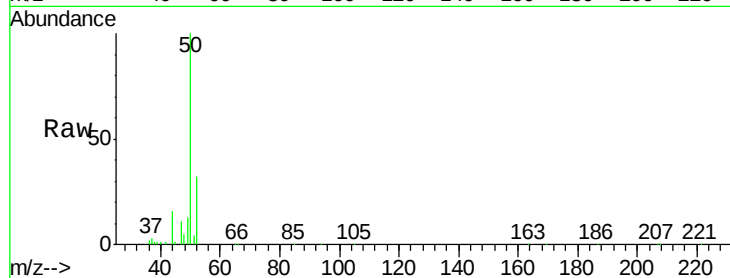
VSTDCCC050

Tot Ion: 50 Resp: 368329

Ion Ratio Lower Upper

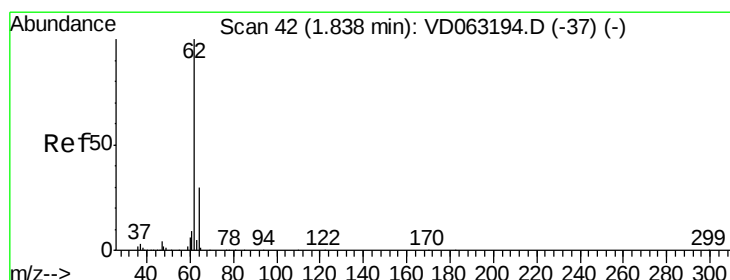
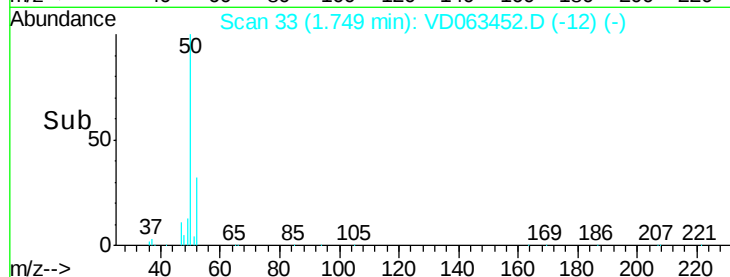
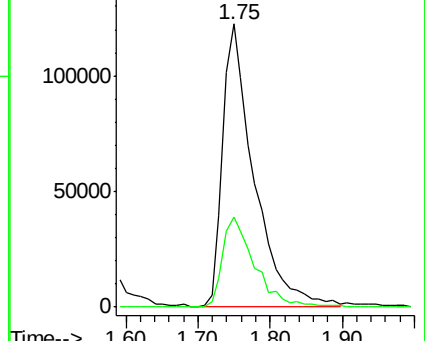
50 100

52 31.9 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.602 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063452.D

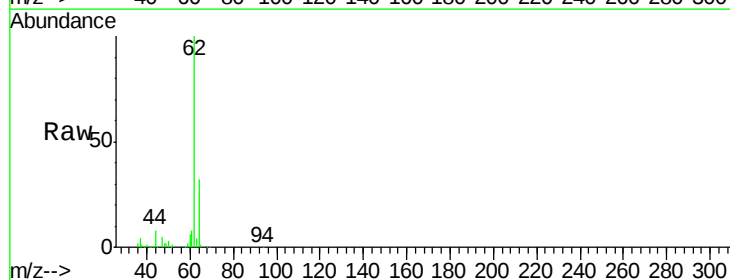
Acq: 8 Aug 2019 21:56

Tgt Ion: 62 Resp: 376876

Ion Ratio Lower Upper

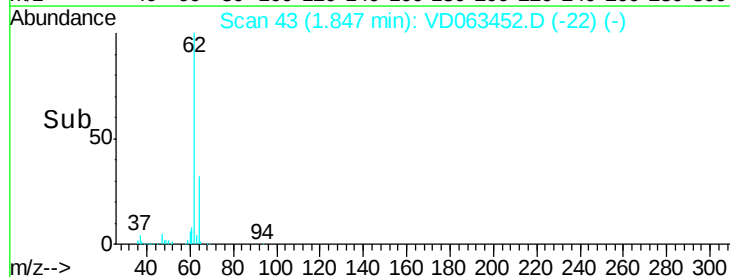
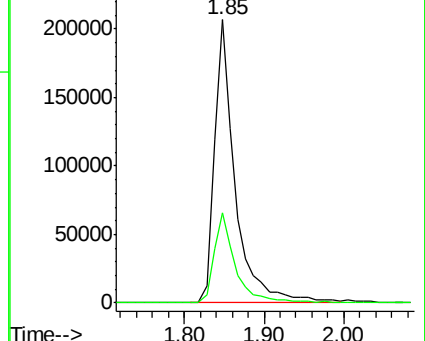
62 100

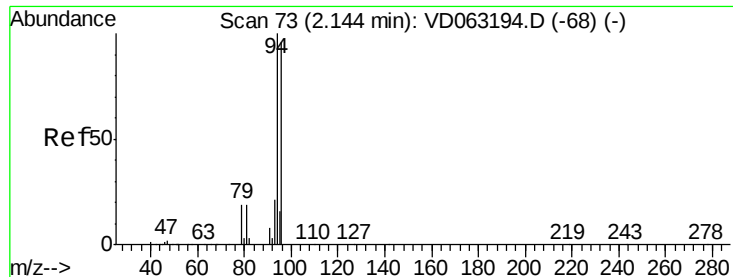
64 32.0 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.908 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

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ClientSampleId :

VSTDCCC050

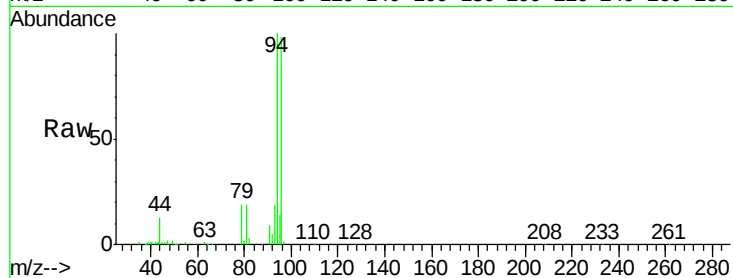
Tot Ion: 94 Resp: 187118

Ion Ratio Lower Upper

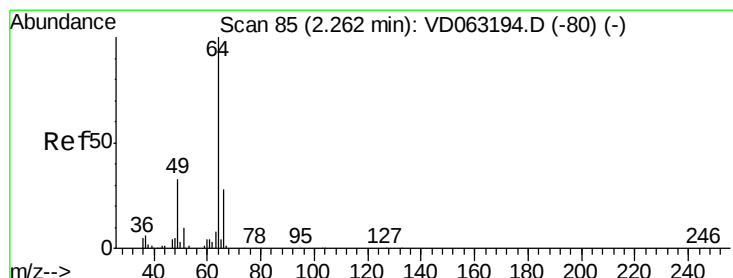
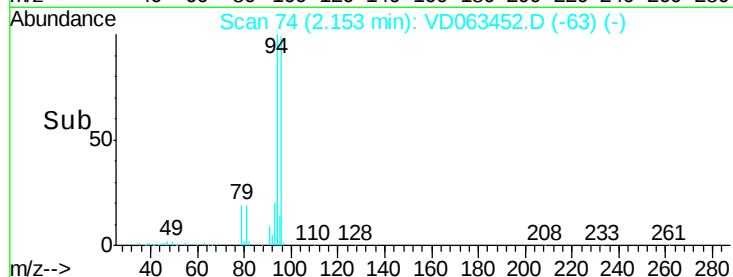
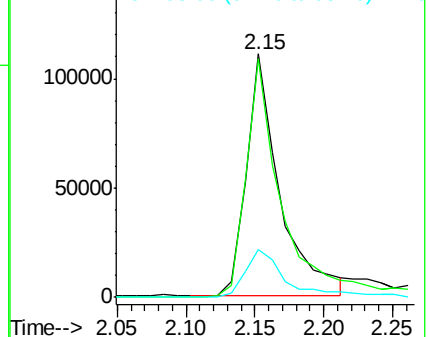
94 100

96 98.2 76.4 114.6

93 19.4 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: 54.041 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063452.D

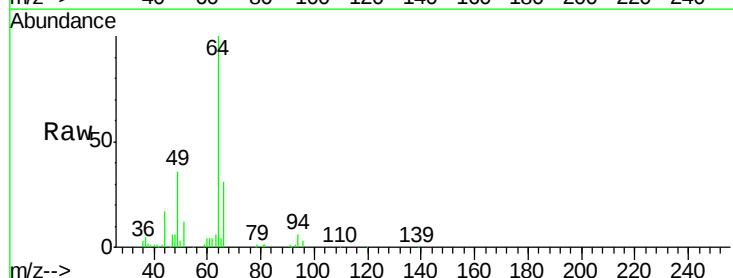
Acq: 8 Aug 2019 21:56

Tgt Ion: 64 Resp: 210825

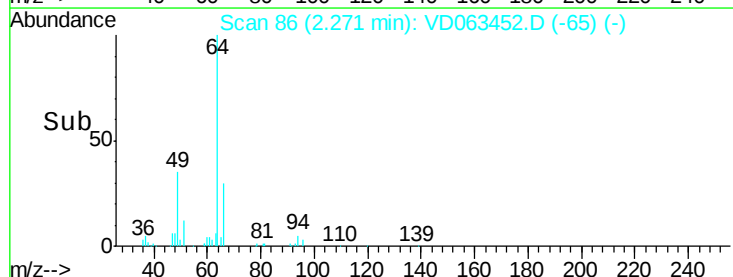
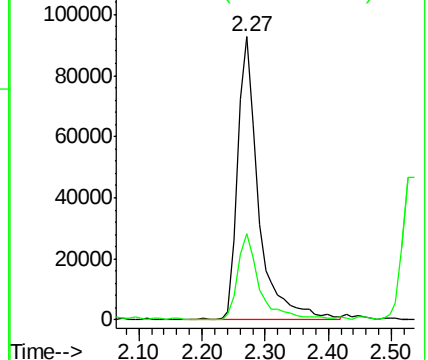
Ion Ratio Lower Upper

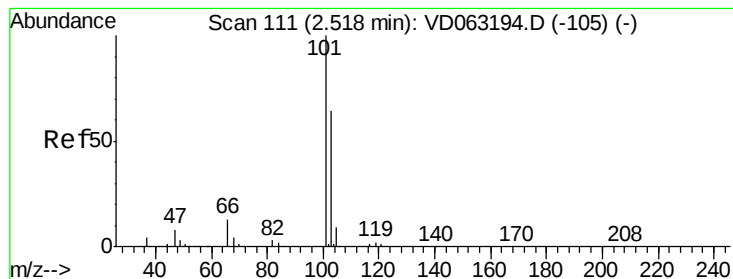
64 100

66 30.6 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: 51.313 ug/l

RT: 2.54 min Scan# 113

Delta R.T. 0.02 min

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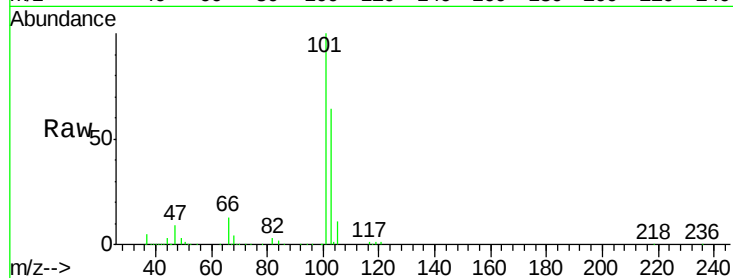
VSTDCCC050

Tot Ion:101 Resp: 841141

Ion Ratio Lower Upper

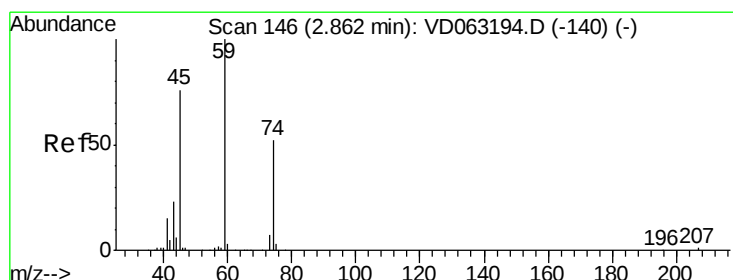
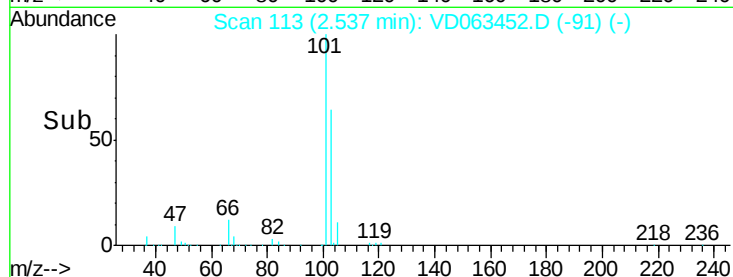
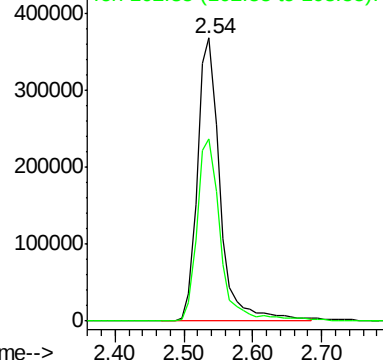
101 100

103 64.3 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: 50.822 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD063452.D

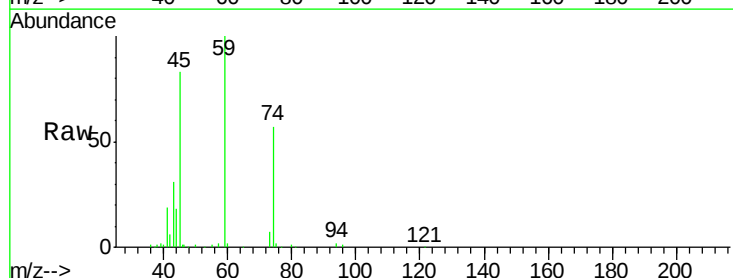
Acq: 8 Aug 2019 21:56

Tgt Ion: 74 Resp: 116595

Ion Ratio Lower Upper

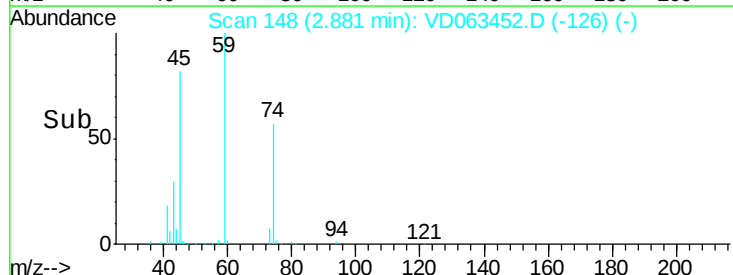
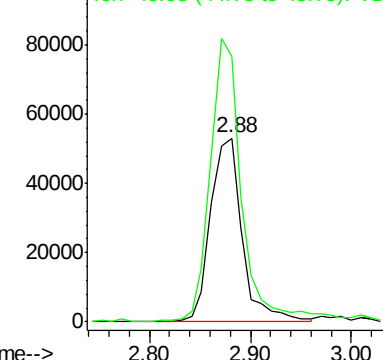
74 100

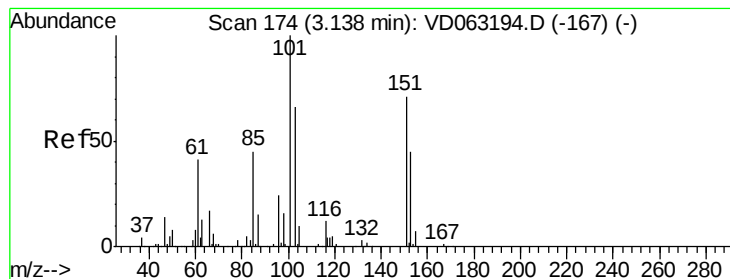
45 144.8 73.6 220.8



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: 53.917 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063452.D

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VSTDCCC050

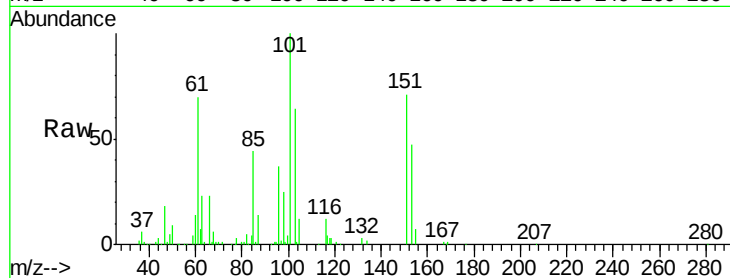
Tot Ion:101 Resp: 489586

Ion Ratio Lower Upper

101 100

85 44.5 36.1 54.1

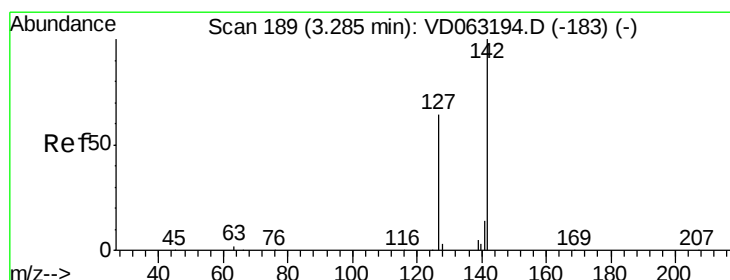
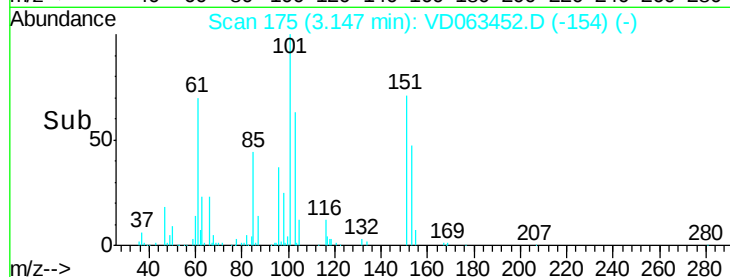
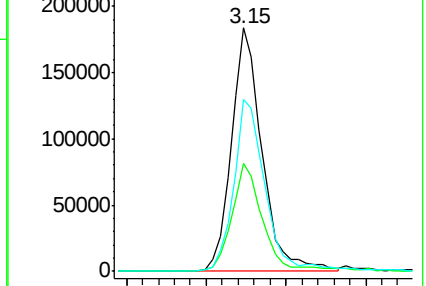
151 70.8 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.752 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

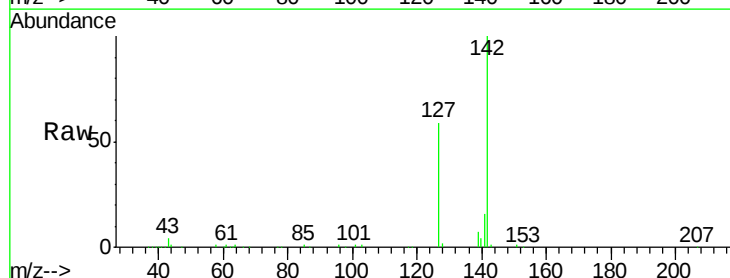
Tgt Ion:142 Resp: 652629

Ion Ratio Lower Upper

142 100

127 59.3 50.8 76.2

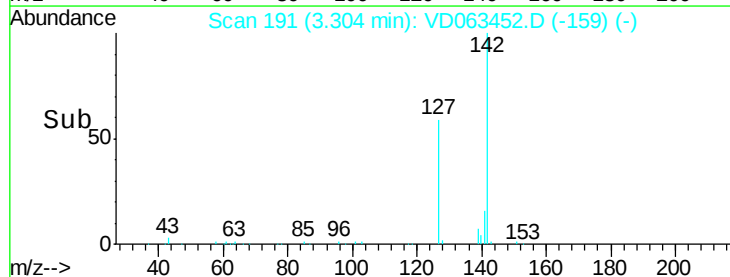
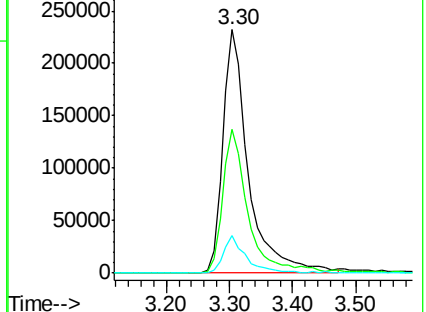
141 15.5 11.4 17.2

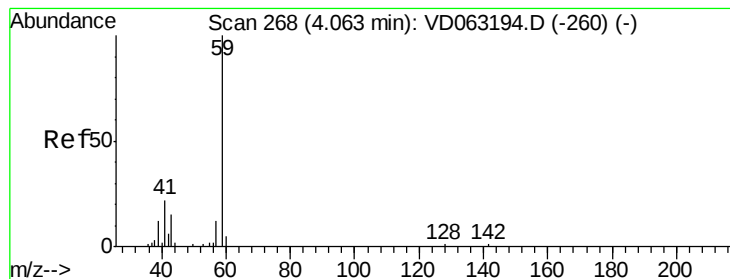


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 260.653 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.03 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

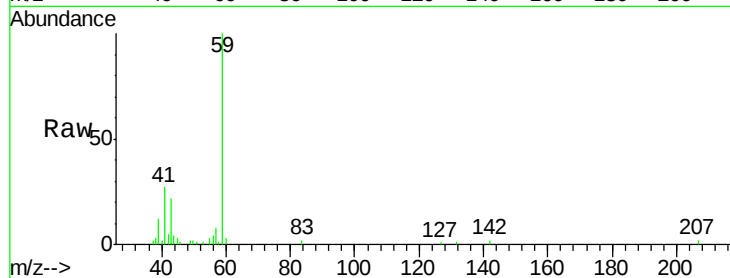
VSTDCCC050

Tot Ion: 59 Resp: 109084

Ion Ratio Lower Upper

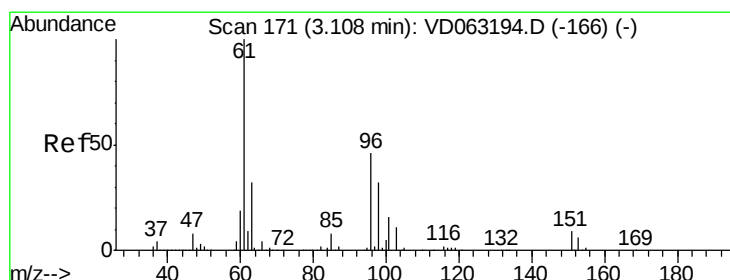
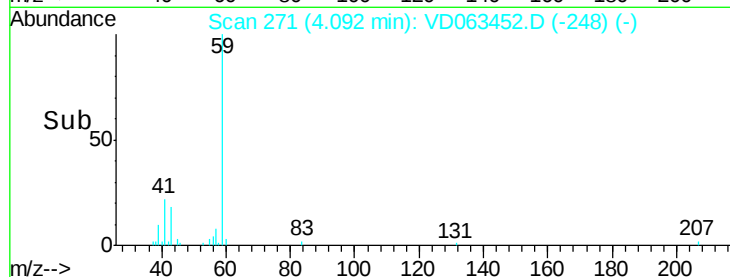
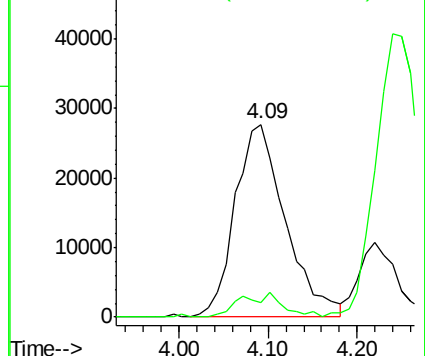
59 100

57 7.9 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 53.909 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

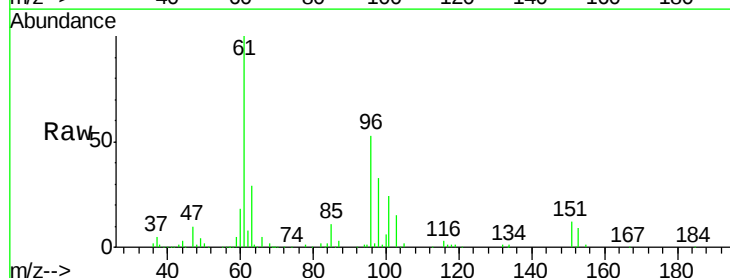
Tgt Ion: 96 Resp: 359364

Ion Ratio Lower Upper

96 100

61 187.7 173.7 260.5

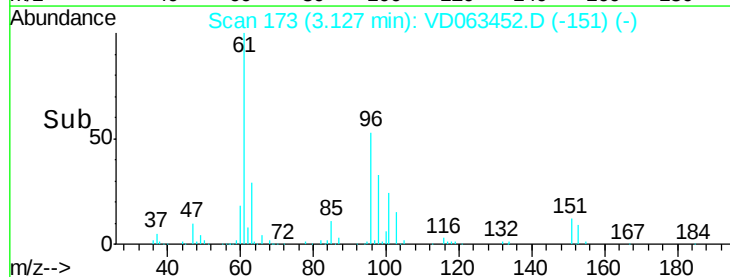
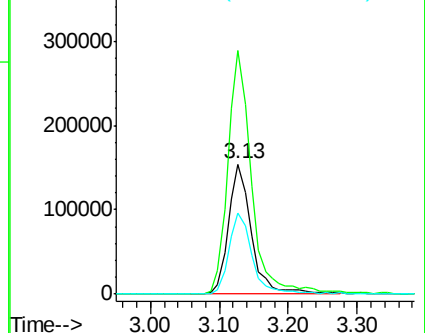
98 62.7 55.8 83.8

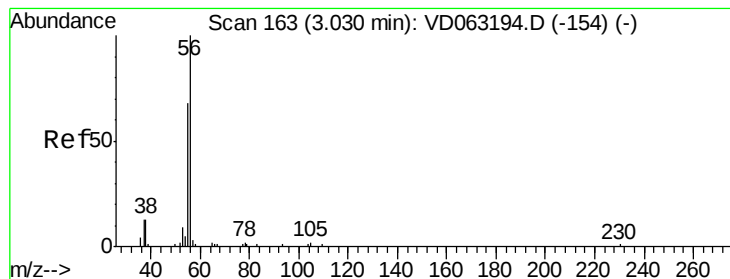


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 209.033 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

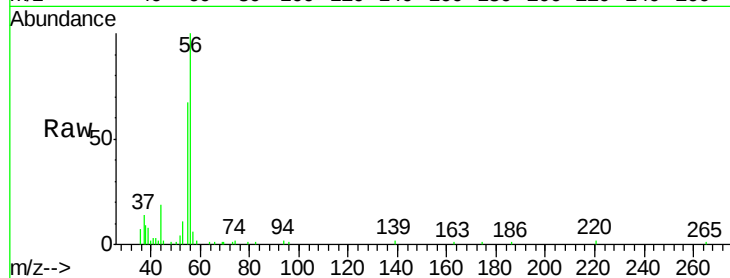
VSTDCCC050

Tot Ion: 56 Resp: 84192

Ion Ratio Lower Upper

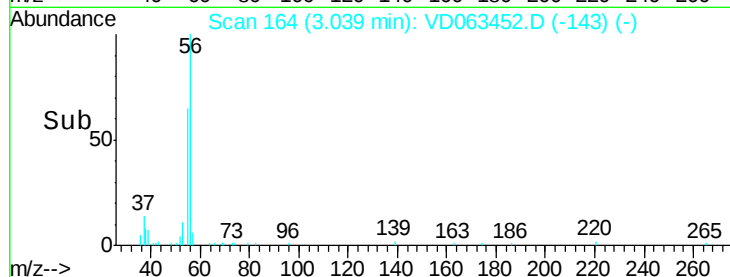
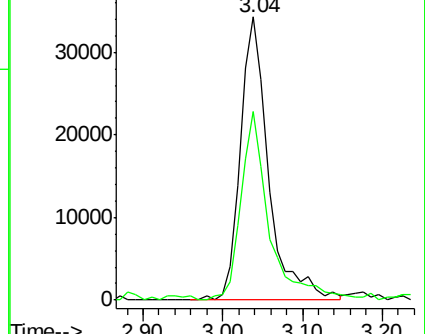
56 100

55 66.6 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: 51.904 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

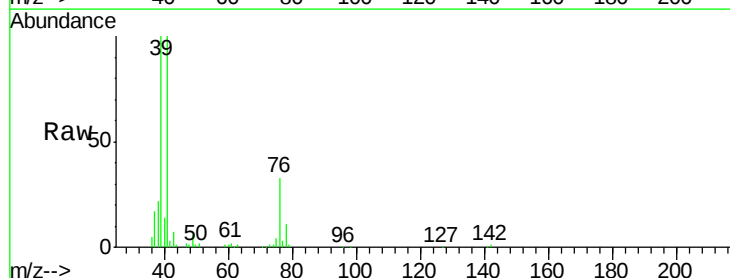
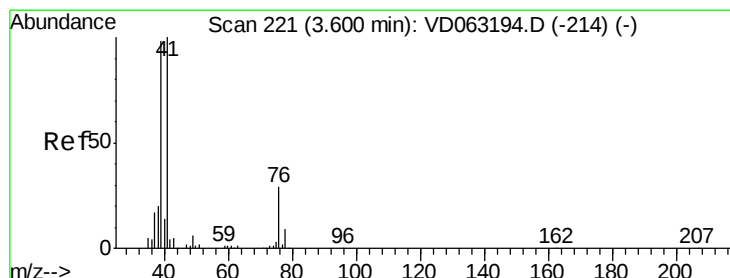
Tgt Ion: 41 Resp: 551198

Ion Ratio Lower Upper

41 100

39 100.0 78.6 117.8

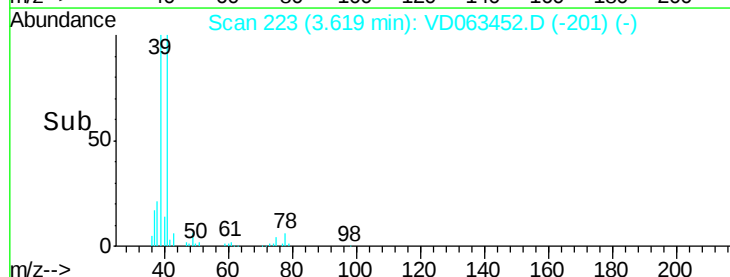
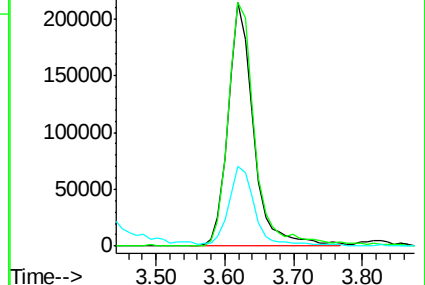
76 32.6 24.5 36.7

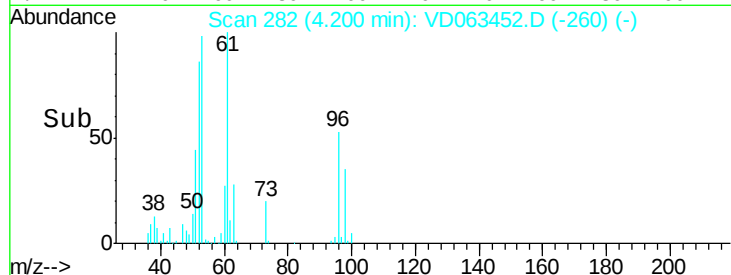
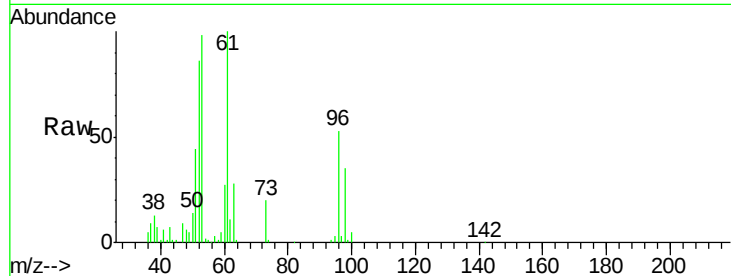
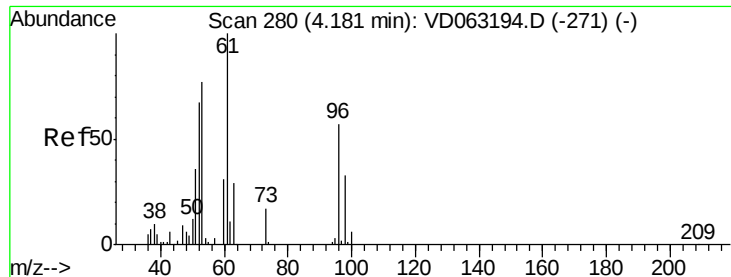


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 280.304 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

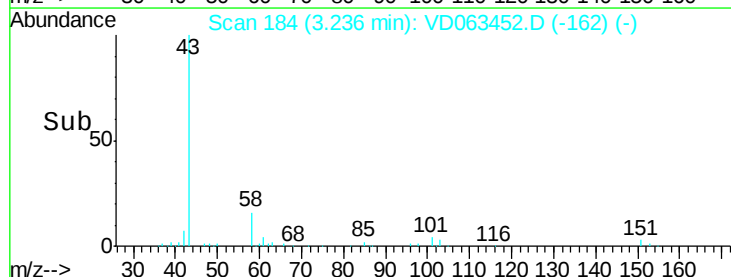
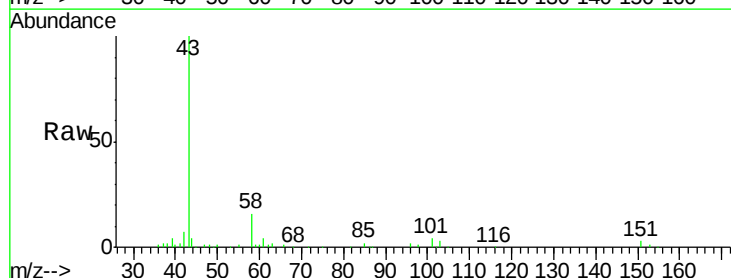
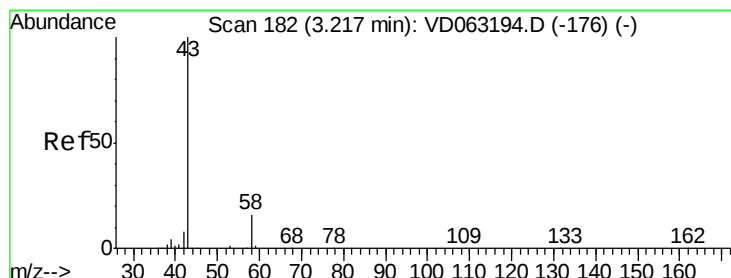
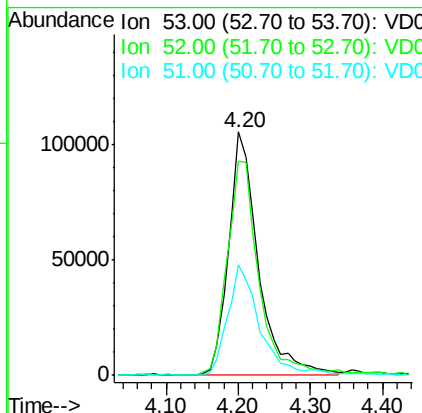
Tot Ion: 53 Resp: 304130

Ion Ratio Lower Upper

53 100

52 88.0 69.7 104.5

51 45.4 37.4 56.0



#16

Acetone

Concen: 241.335 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063452.D

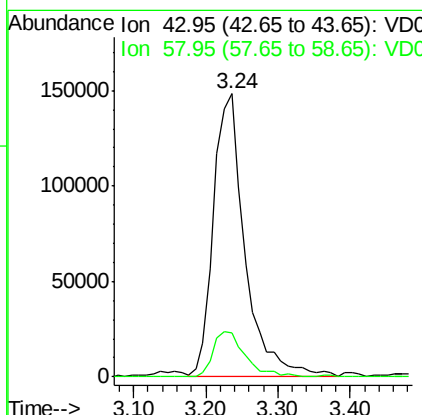
Acq: 8 Aug 2019 21:56

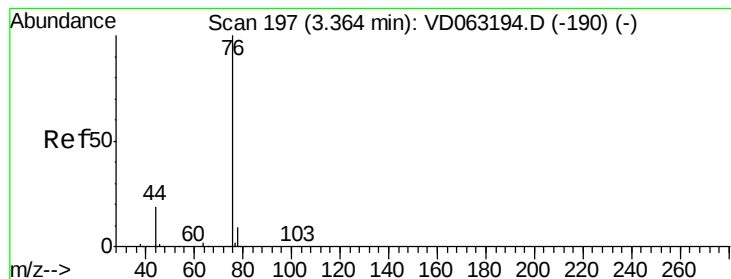
Tgt Ion: 43 Resp: 448415

Ion Ratio Lower Upper

43 100

58 15.7 13.0 19.4





#17

Carbon Disulfide

Concen: 44.858 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

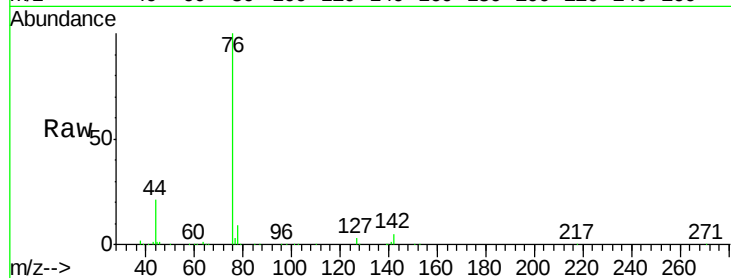
VSTDCCC050

Tot Ion: 76 Resp: 1000899

Ion Ratio Lower Upper

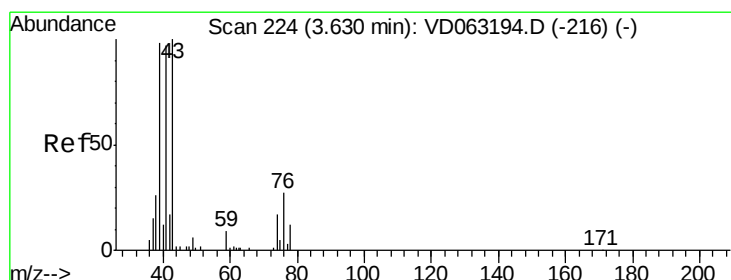
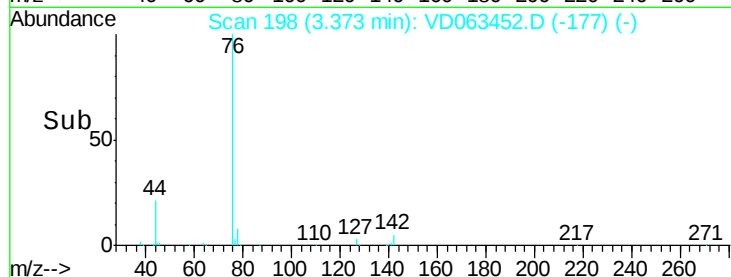
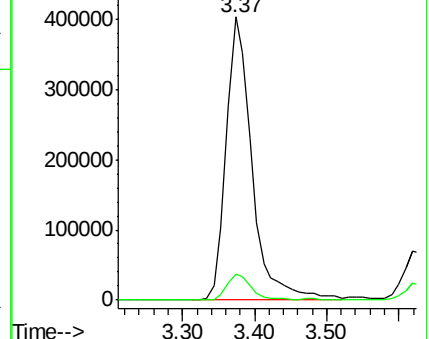
76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 56.403 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063452.D

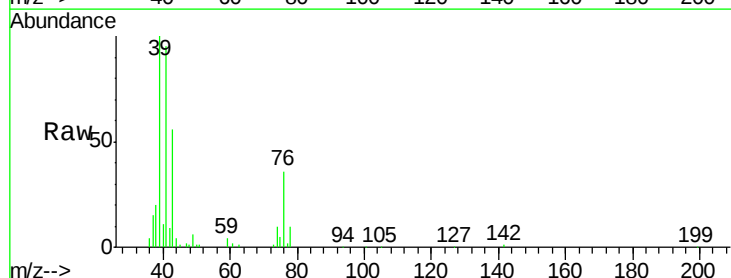
Acq: 8 Aug 2019 21:56

Tgt Ion: 43 Resp: 201302

Ion Ratio Lower Upper

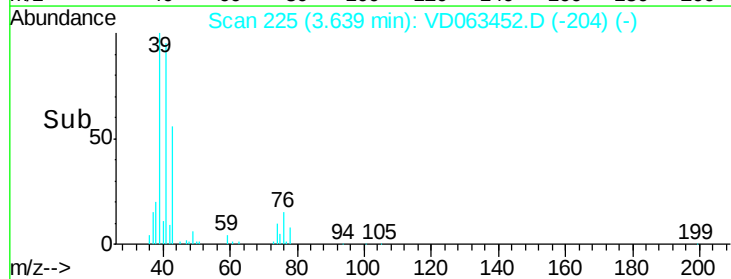
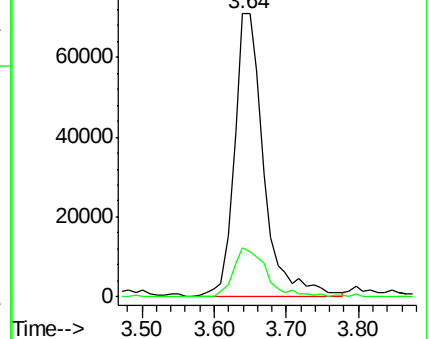
43 100

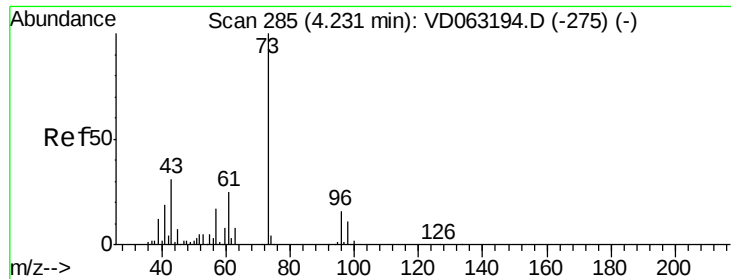
74 17.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

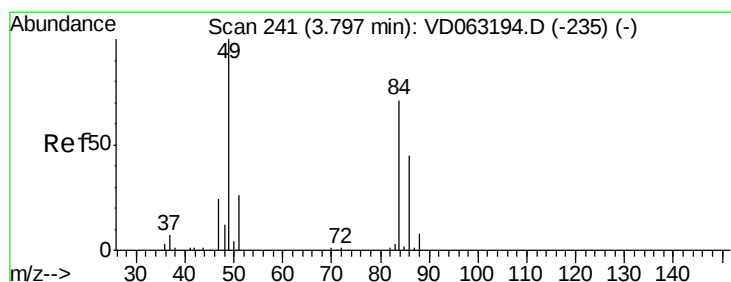
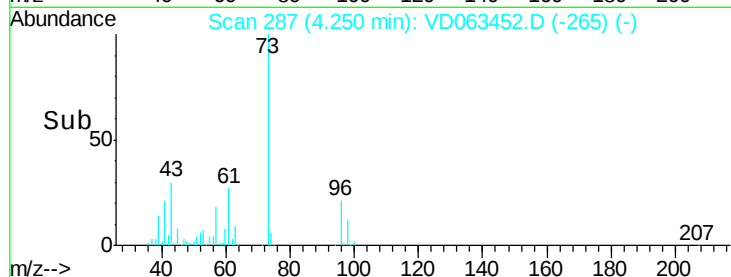
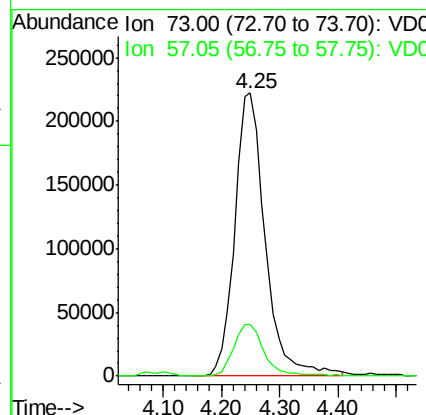
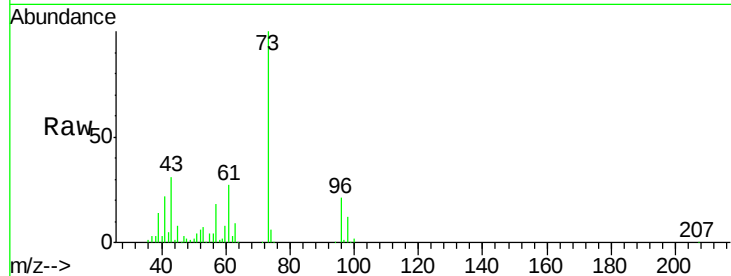




#19
Methvl tert-butvl Ether
Concen: 53.366 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

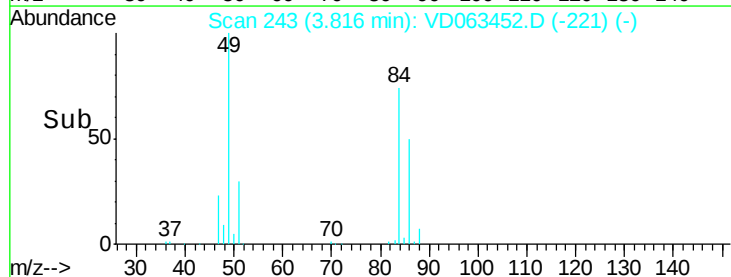
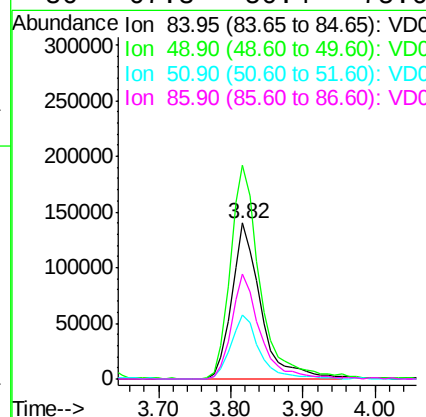
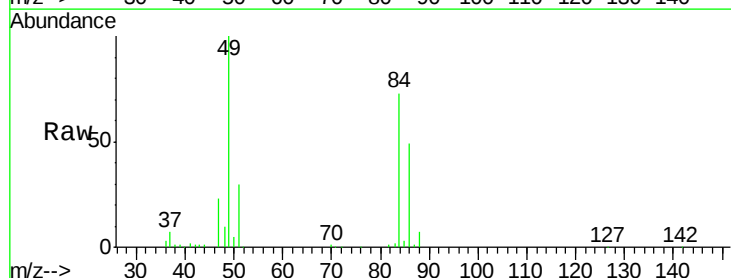
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

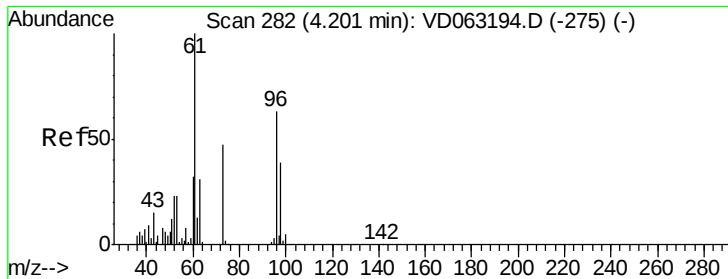
Tot Ion: 73 Resp: 803587
Ion Ratio Lower Upper
73 100
57 18.2 13.8 20.6



#20
Methylene Chloride
Concen: 52.167 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 84 Resp: 391800
Ion Ratio Lower Upper
84 100
49 137.2 112.5 168.7
51 41.1 29.6 44.4
86 67.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 53.696 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

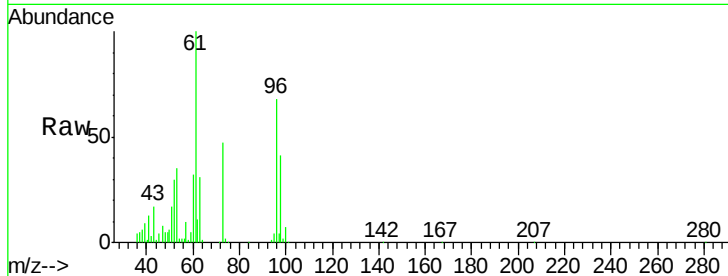
Tot Ion: 96 Resp: 401633

Ion Ratio Lower Upper

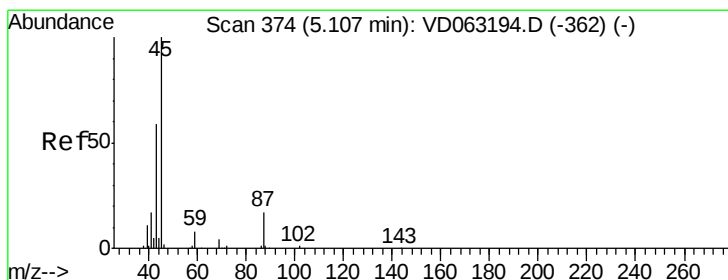
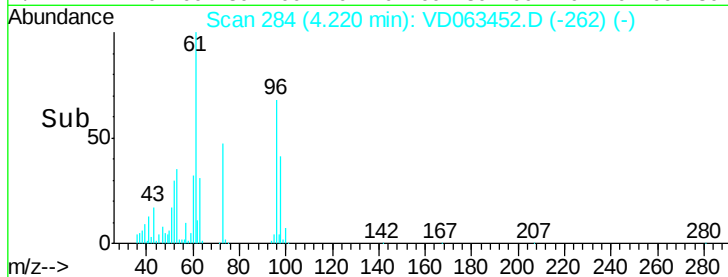
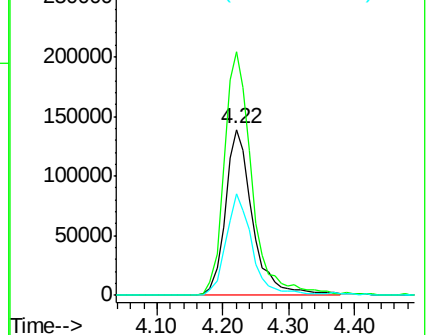
96 100

61 146.5 127.4 191.2

98 60.8 49.3 73.9



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



#22

Diisopropyl ether

Concen: 54.251 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.03 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Tgt Ion: 45 Resp: 1151023

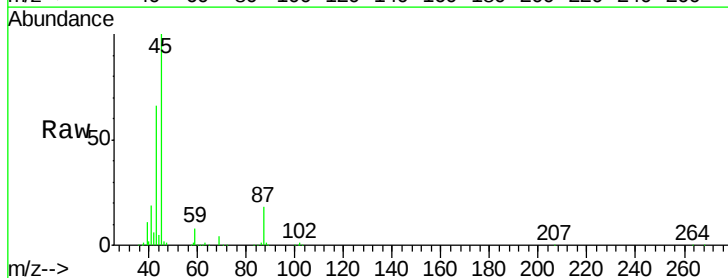
Ion Ratio Lower Upper

45 100

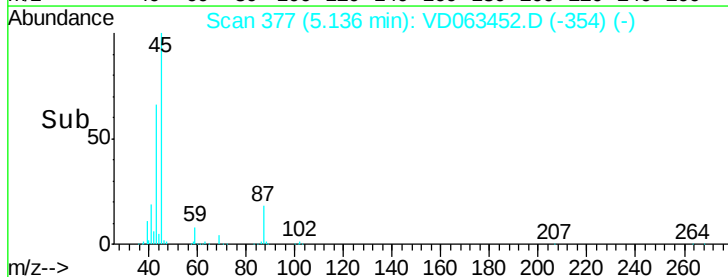
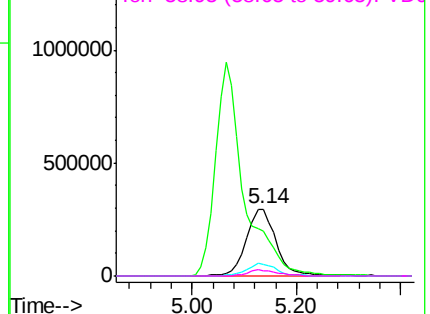
43 66.0 51.7 77.5

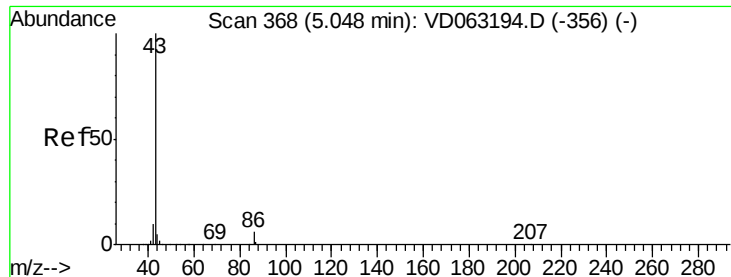
87 18.2 14.6 21.8

59 8.4 6.6 10.0



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





#23

Vinyl Acetate

Concen: 273.547 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

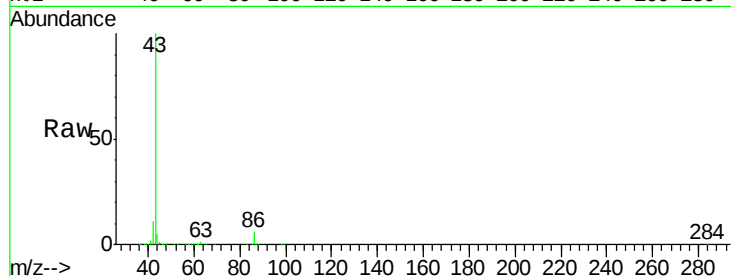
VSTDCCC050

Tot Ion: 43 Resp: 3567565

Ion Ratio Lower Upper

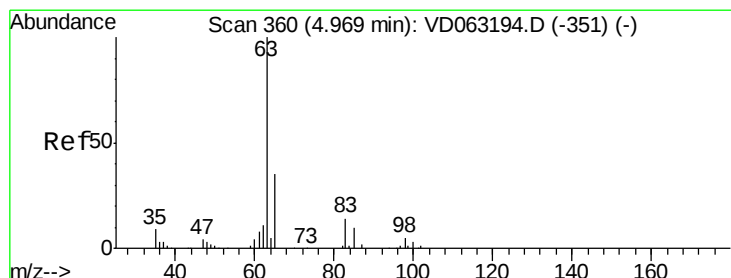
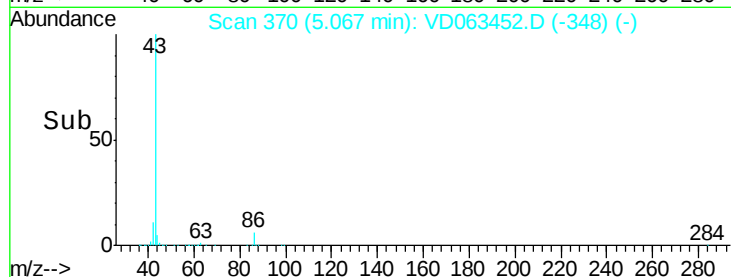
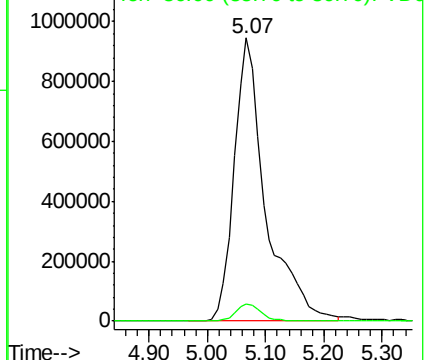
43 100

86 6.1 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.076 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

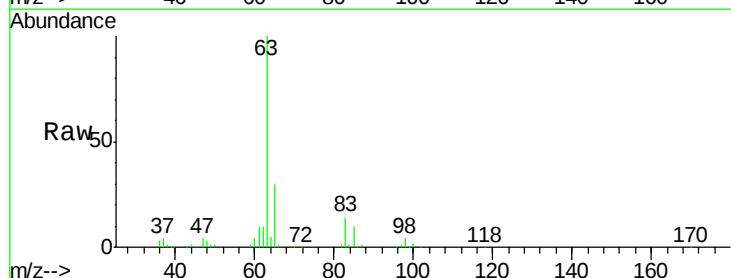
Tgt Ion: 63 Resp: 692183

Ion Ratio Lower Upper

63 100

98 4.3 2.8 8.4

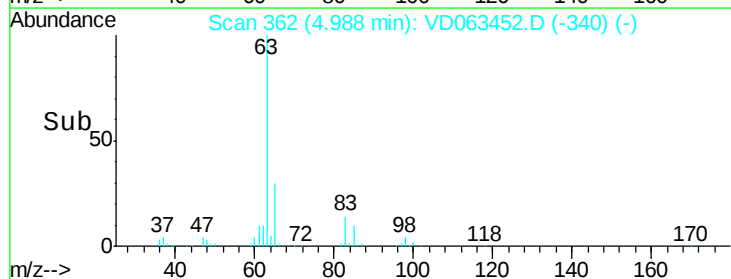
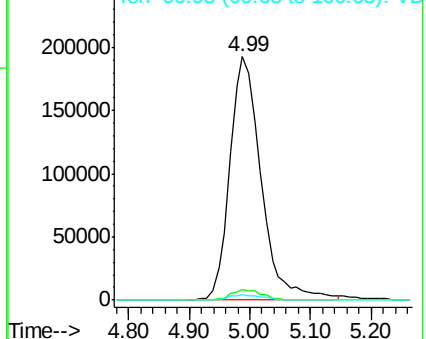
100 2.5 1.3 3.9

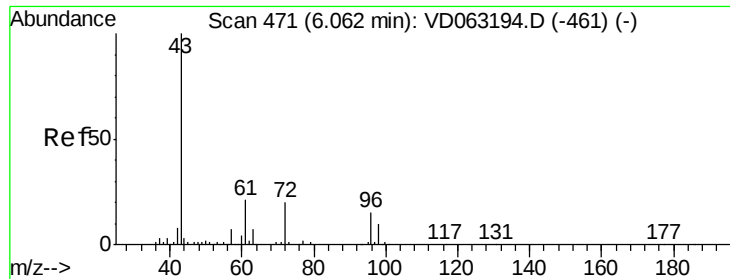


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.098 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

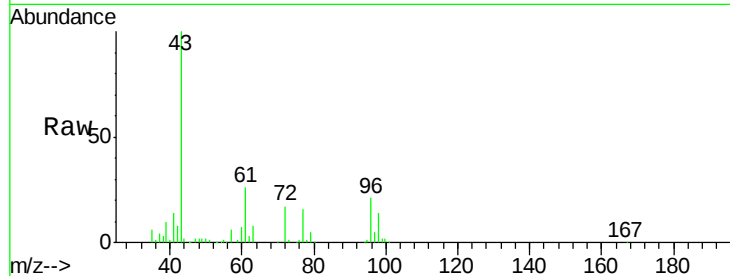
VSTDCCC050

Tot Ion: 43 Resp: 494334

Ion Ratio Lower Upper

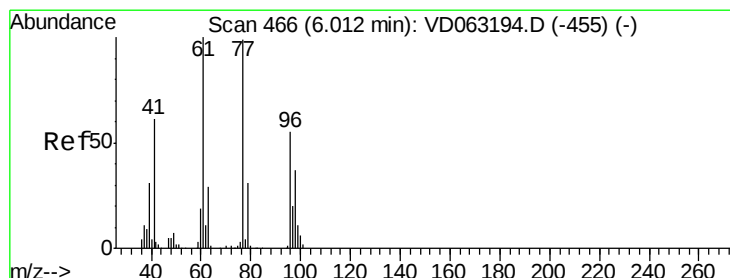
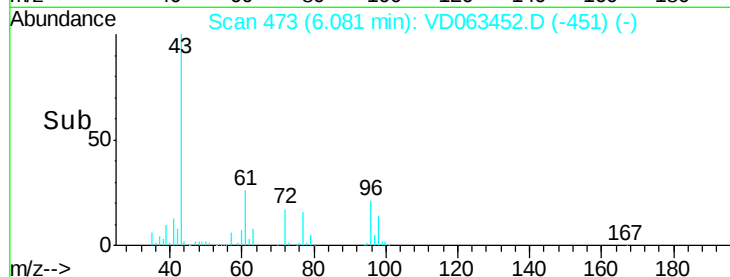
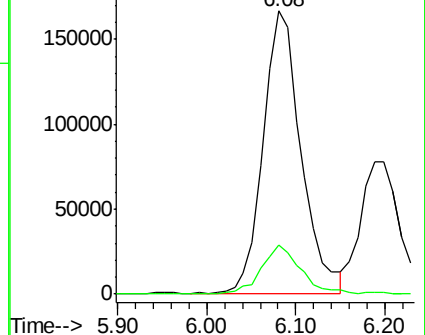
43 100

72 17.5 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.597 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063452.D

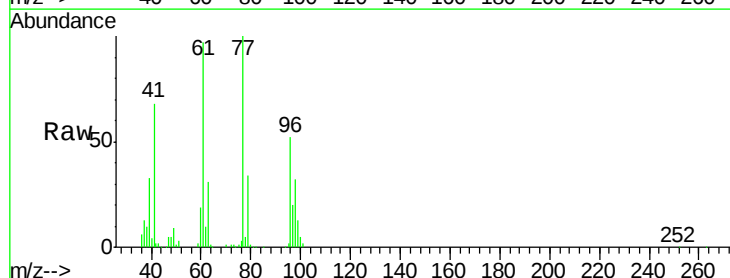
Acq: 8 Aug 2019 21:56

Tgt Ion: 77 Resp: 692674

Ion Ratio Lower Upper

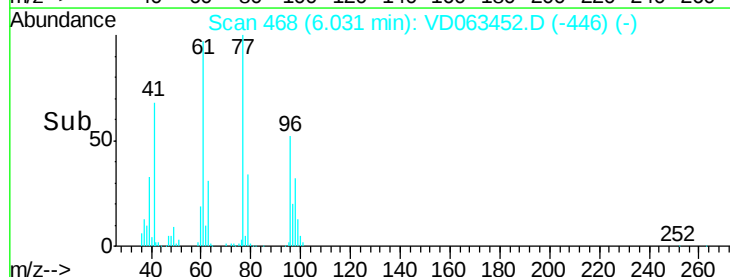
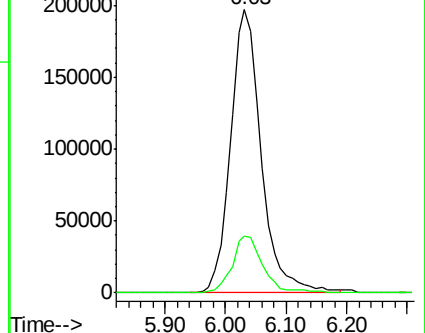
77 100

97 20.0 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 52.788 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

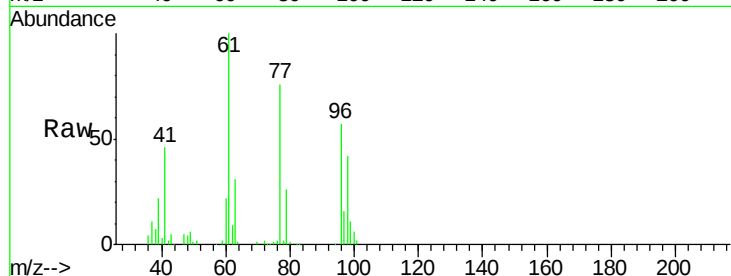
Tot Ion: 96 Resp: 423323

Ion Ratio Lower Upper

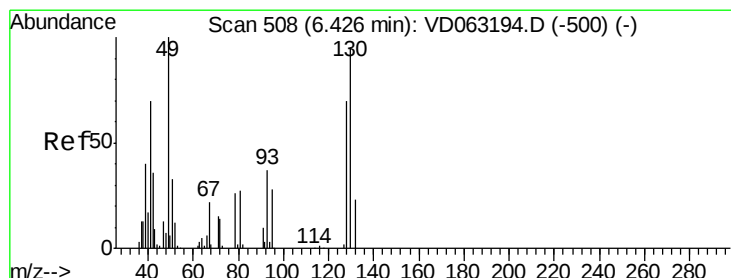
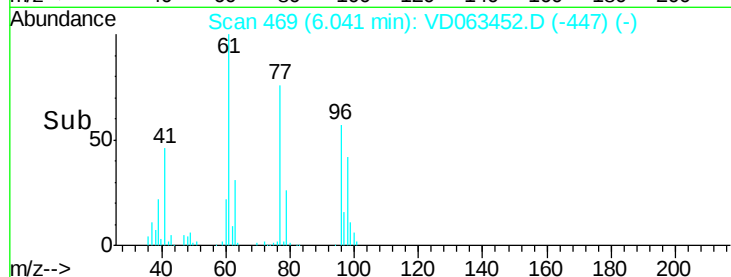
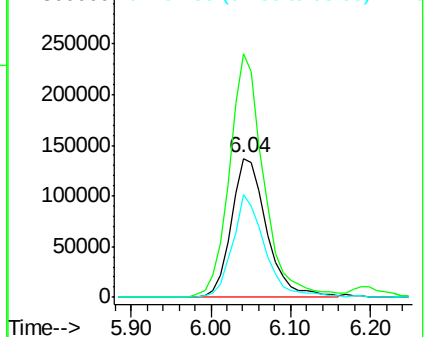
96 100

61 175.3 0.0 337.2

98 73.8 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: 54.806 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

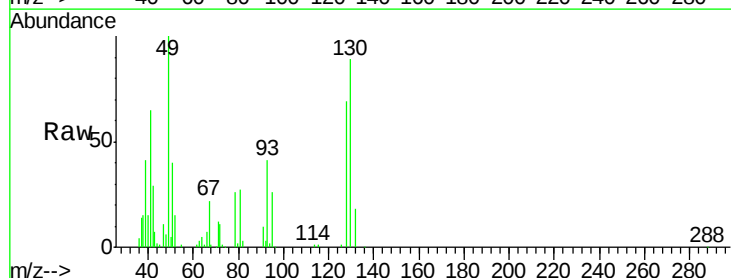
Tgt Ion: 49 Resp: 295930

Ion Ratio Lower Upper

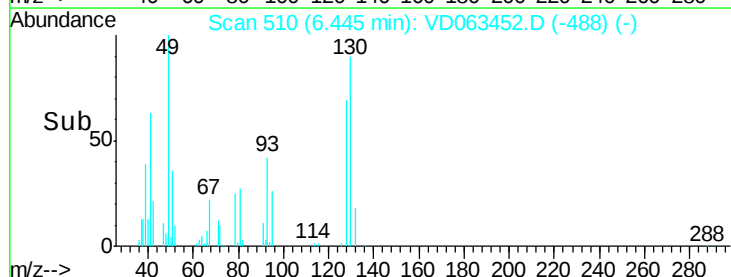
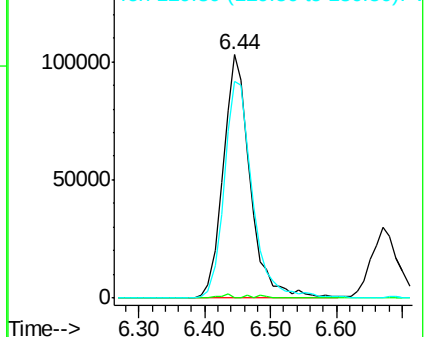
49 100

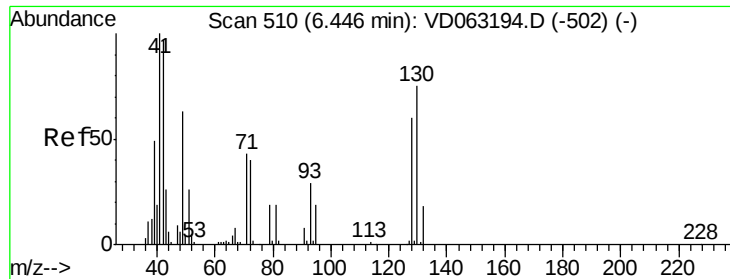
129 0.0 0.0 0.0

130 89.1 75.7 113.5



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

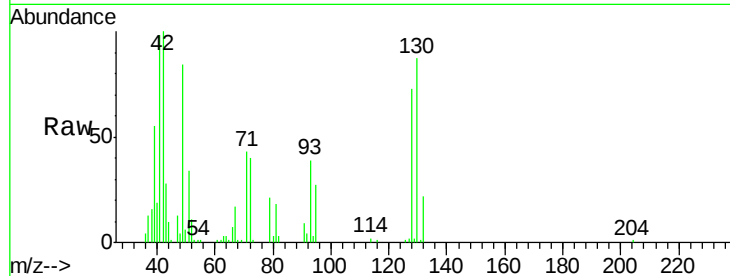




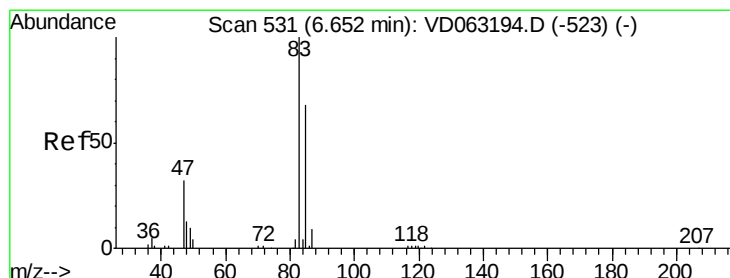
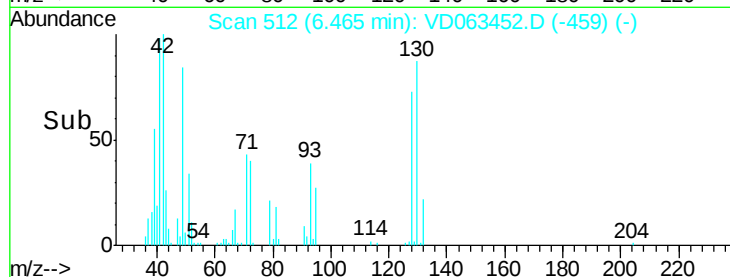
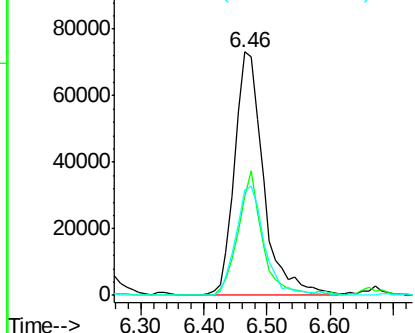
#29
Tetrahydrofuran
Concen: 262.551 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 231793
Ion Ratio Lower Upper
42 100
72 42.8 33.4 50.2
71 44.5 35.7 53.5

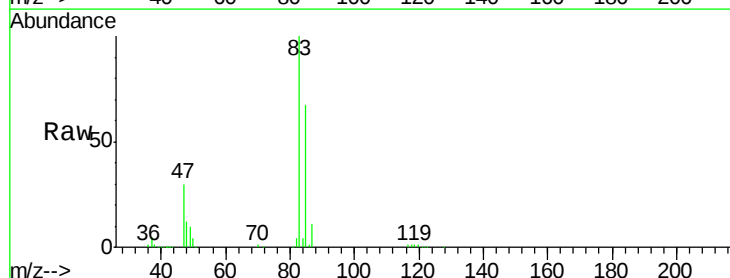


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

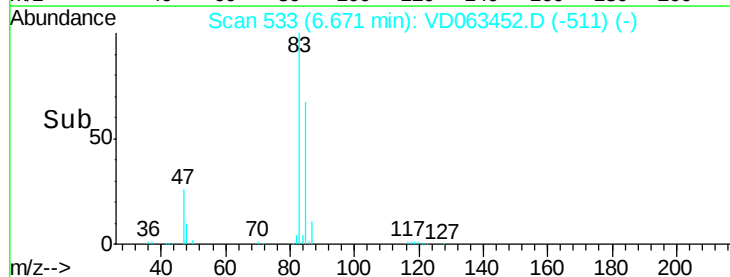
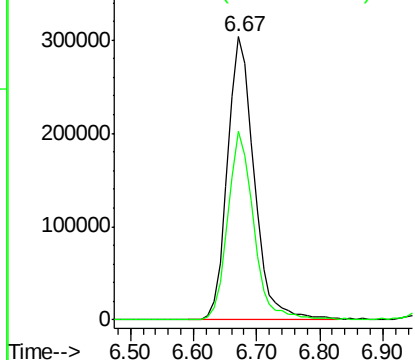


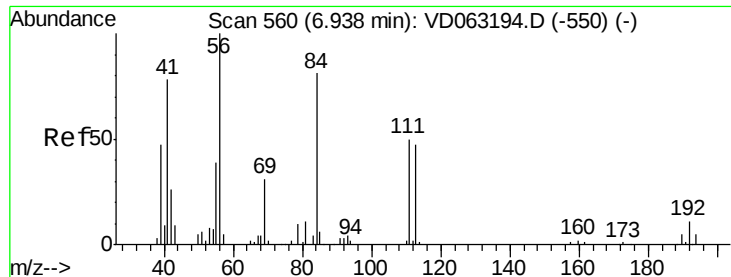
#30
Chloroform
Concen: 52.947 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 83 Resp: 890491
Ion Ratio Lower Upper
83 100
85 66.5 54.2 81.4



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

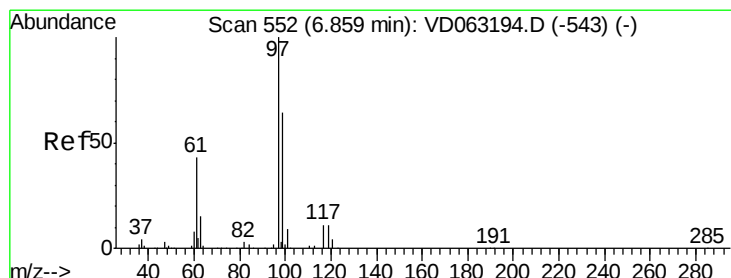
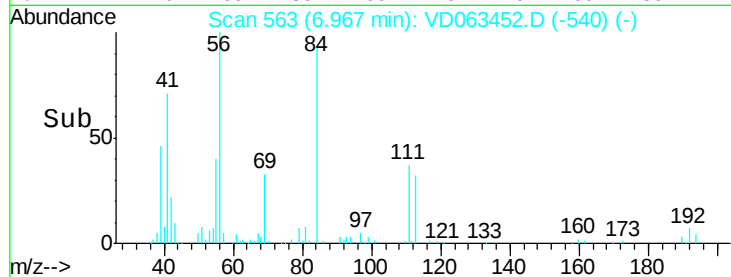
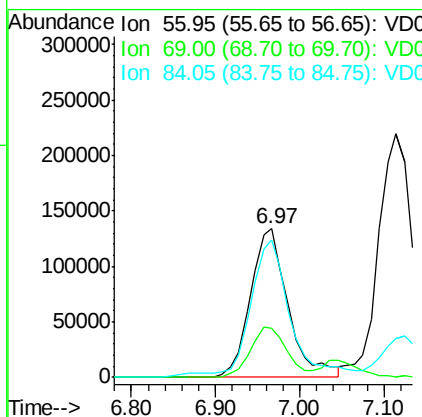
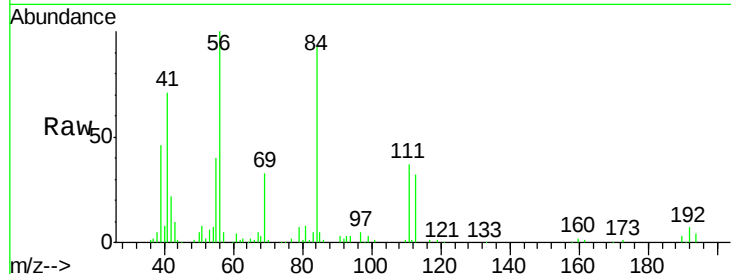




#31
Cyclohexane
Concen: 49.713 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

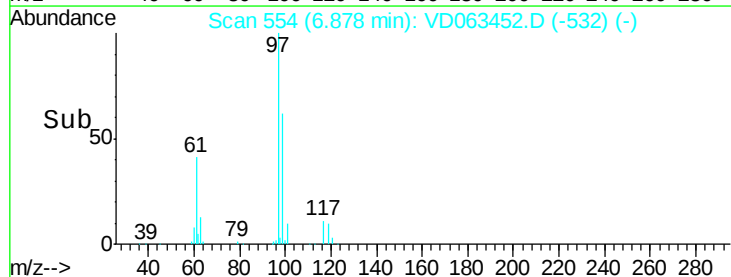
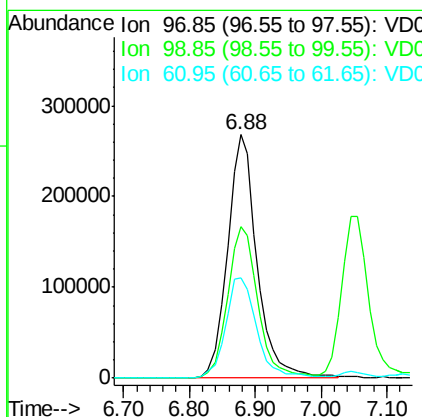
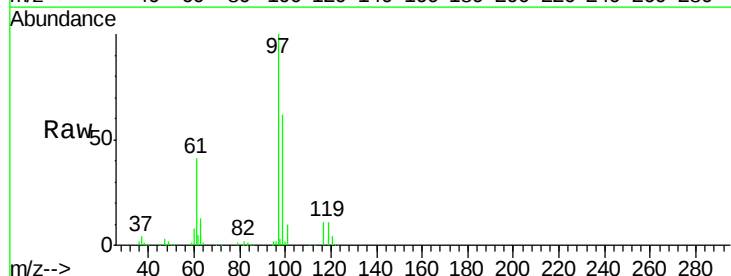
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

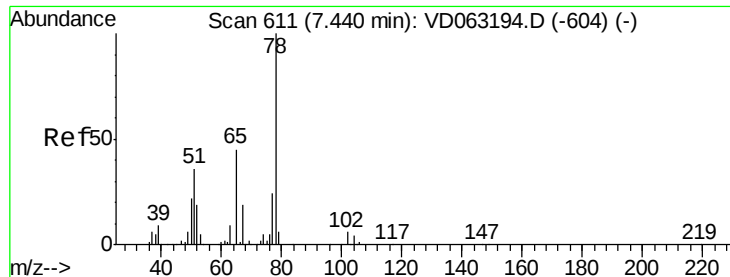
Tot Ion: 56 Resp: 422294
Ion Ratio Lower Upper
56 100
69 33.0 24.5 36.7
84 92.6 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 51.408 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 97 Resp: 836303
Ion Ratio Lower Upper
97 100
99 62.1 51.2 76.8
61 41.1 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 53.639 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

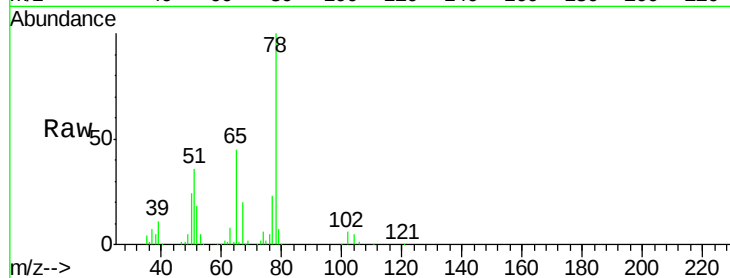
VSTDCCC050

Tot Ion: 65 Resp: 511520

Ion Ratio Lower Upper

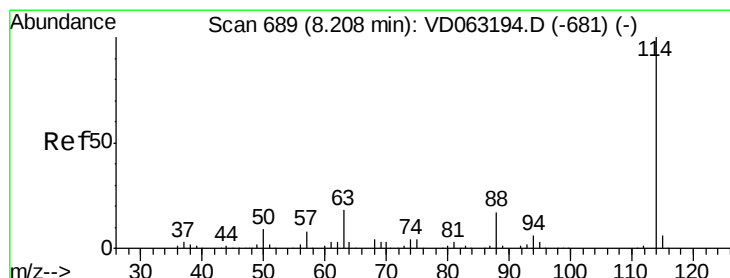
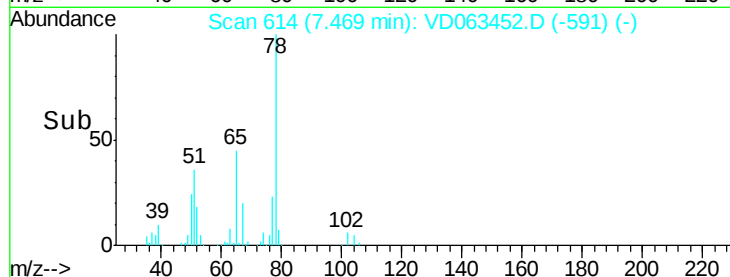
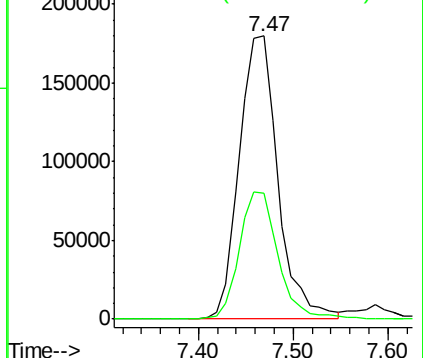
65 100

67 44.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

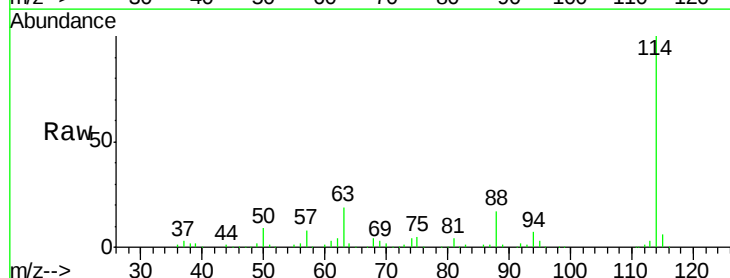
Tgt Ion: 114 Resp: 1234120

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.2

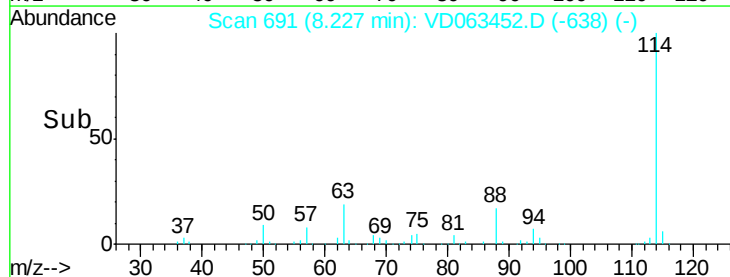
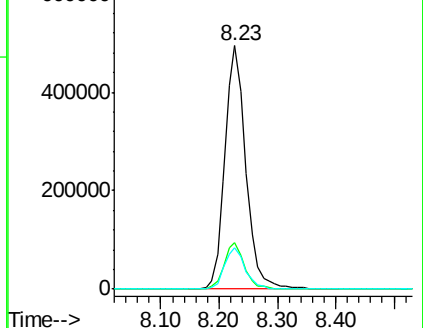
88 16.8 0.0 34.6

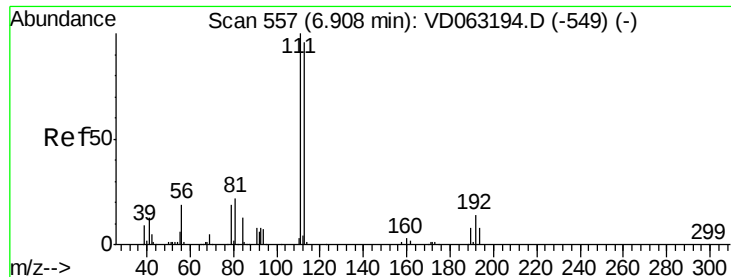


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 56.465 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

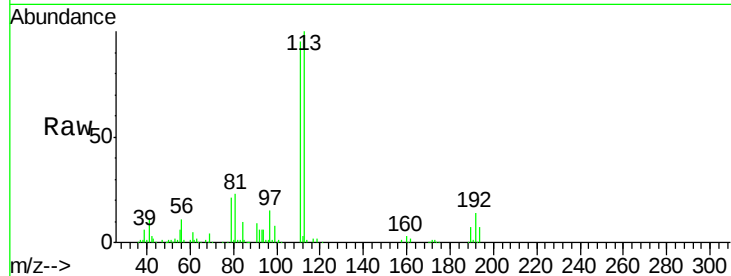
Tot Ion:113 Resp: 594963

Ion Ratio Lower Upper

113 100

111 94.6 83.2 124.8

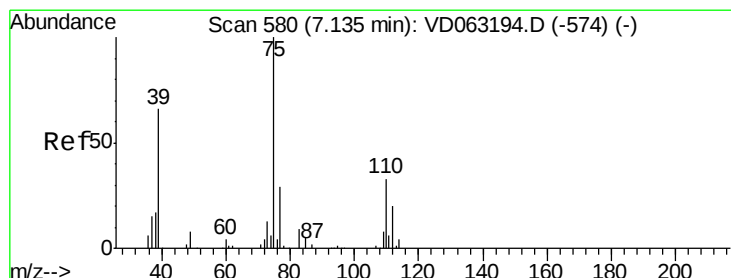
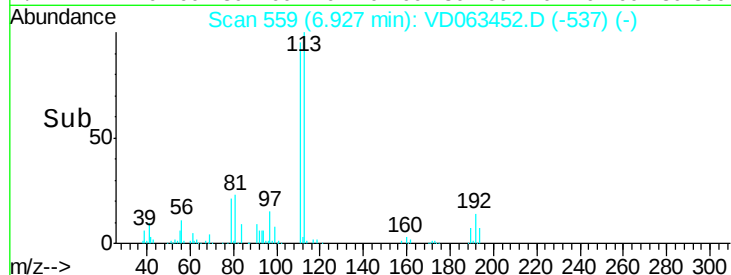
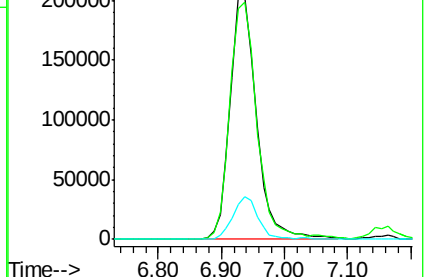
192 14.3 11.8 17.8



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: 48.523 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

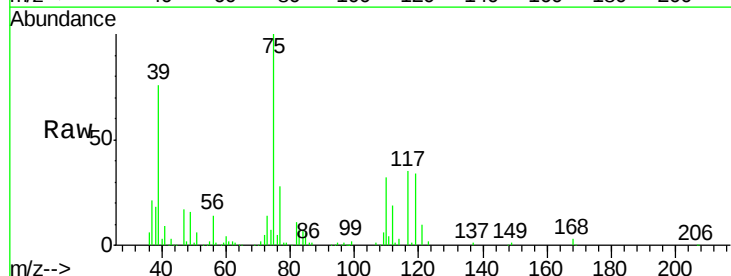
Tgt Ion: 75 Resp: 546511

Ion Ratio Lower Upper

75 100

110 32.5 16.1 48.2

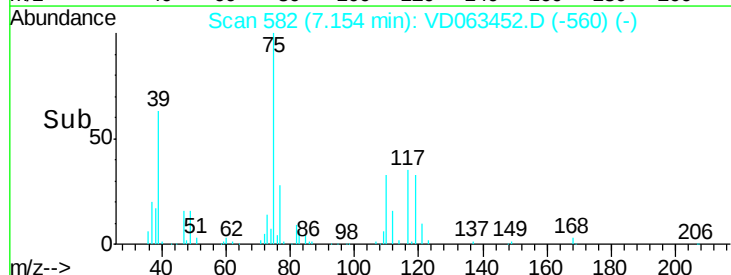
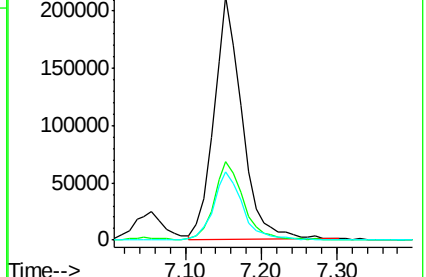
77 27.9 22.7 34.1

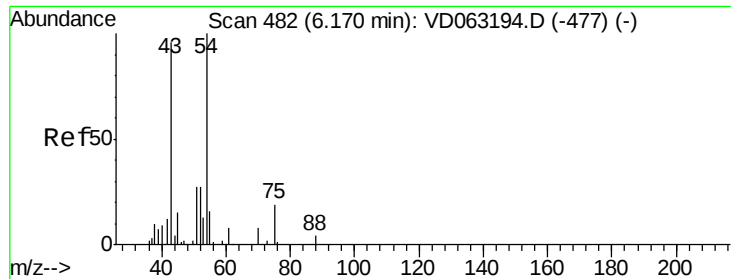


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

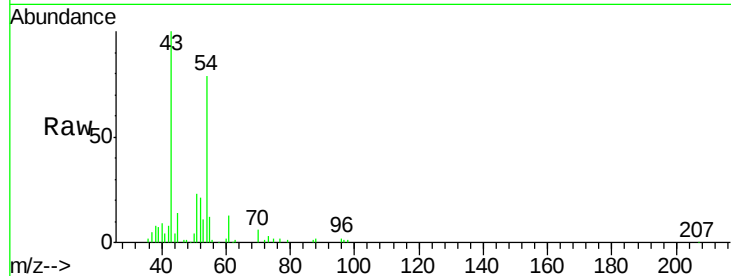




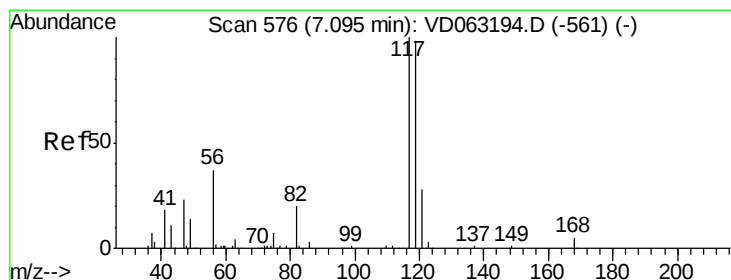
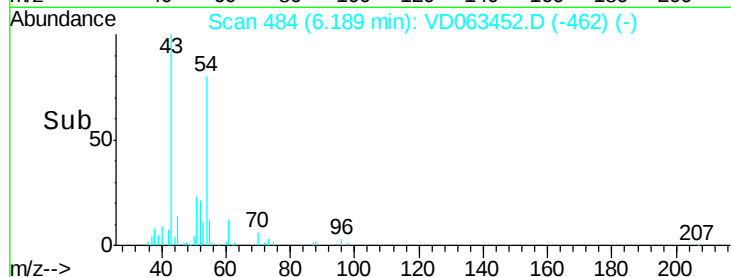
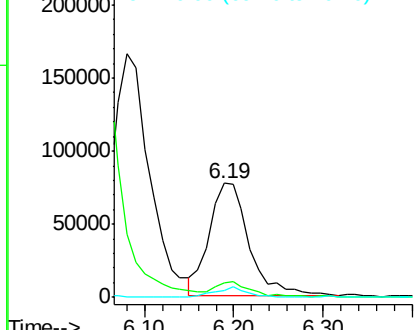
#37
Ethyl Acetate
Concen: 47.906 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 242402
Ion Ratio Lower Upper
43 100
61 13.2 11.3 16.9
70 6.2 5.1 7.7

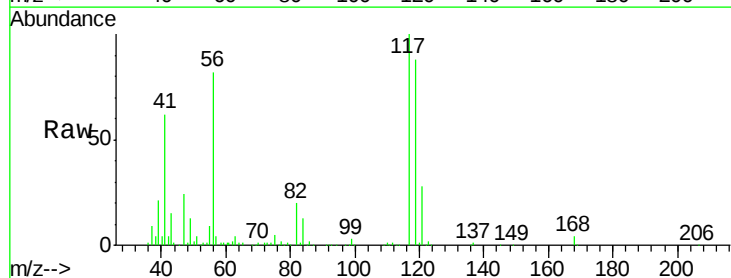


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

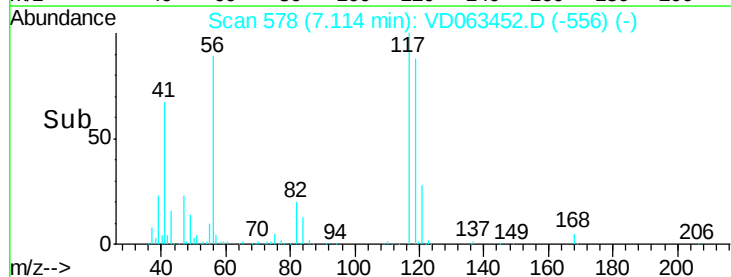
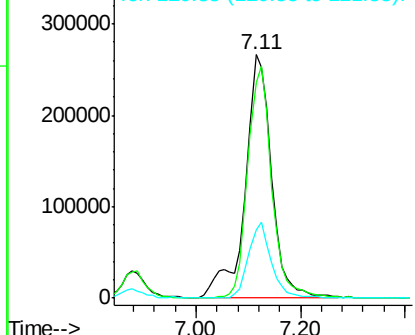


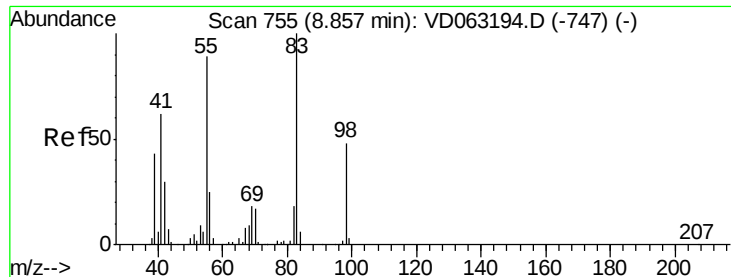
#38
Carbon Tetrachloride
Concen: 53.327 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 117 Resp: 904213
Ion Ratio Lower Upper
117 100
119 88.3 78.2 117.2
121 27.9 22.1 33.1



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

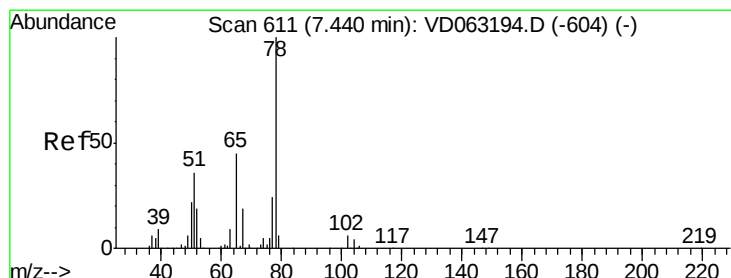
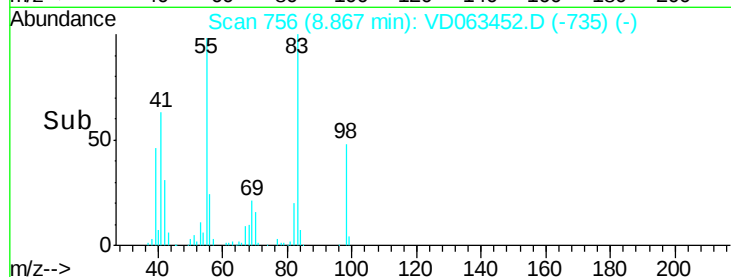
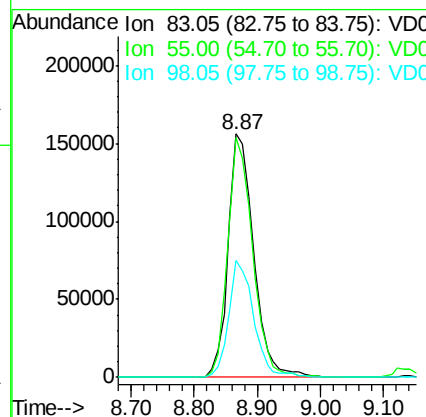
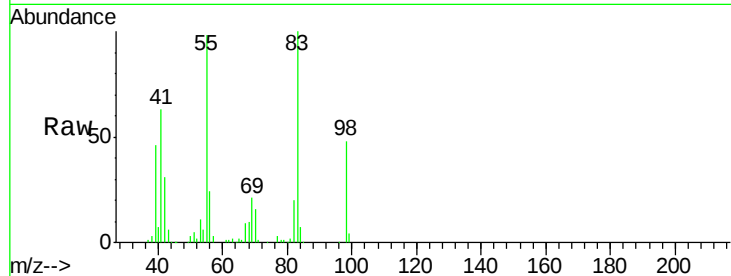




#39
Methvlcvclohexane
Concen: 46.748 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

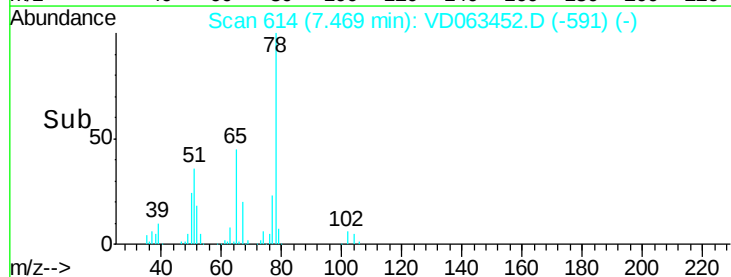
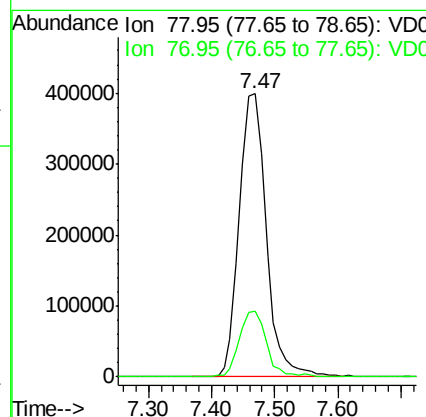
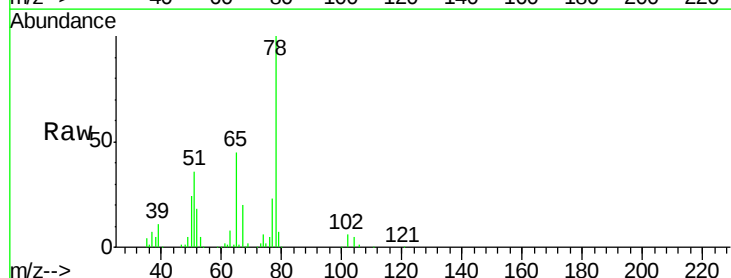
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

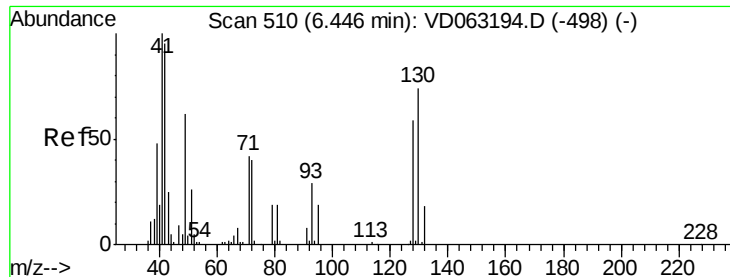
Tot Ion: 83 Resp: 438677
Ion Ratio Lower Upper
83 100
55 98.3 71.1 106.7
98 48.0 38.5 57.7



#40
Benzene
Concen: 50.283 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 78 Resp: 1186939
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2





#41

Methacrylonitrile

Concen: 52.318 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 316669

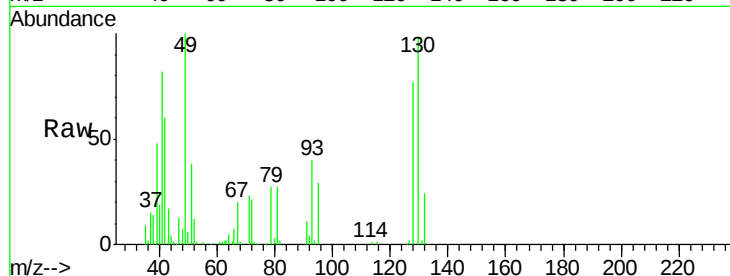
Ion Ratio Lower Upper

41 100

39 58.1 38.4 57.6#

67 24.0 6.7 10.1#

52 14.0 4.3 6.5#

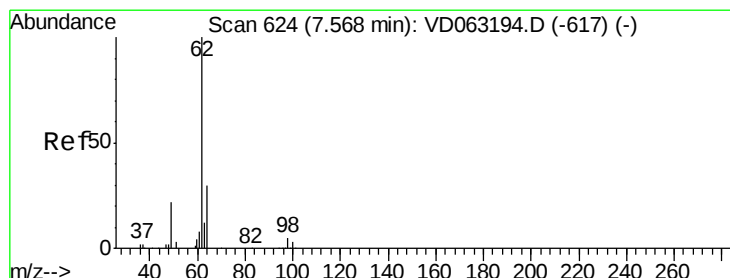
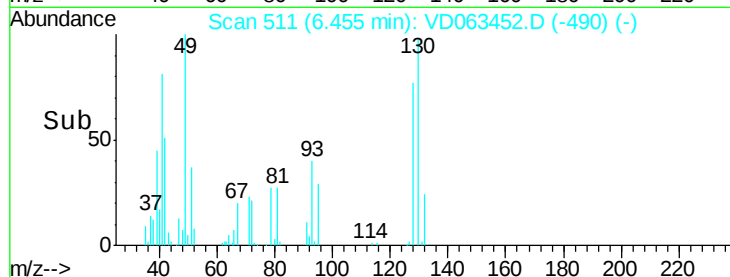
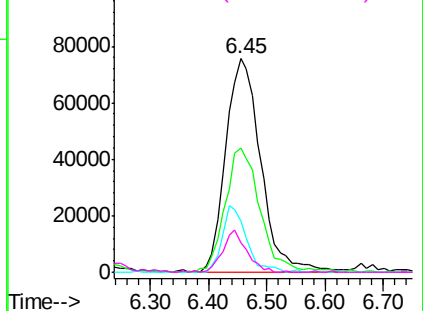


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.978 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD063452.D

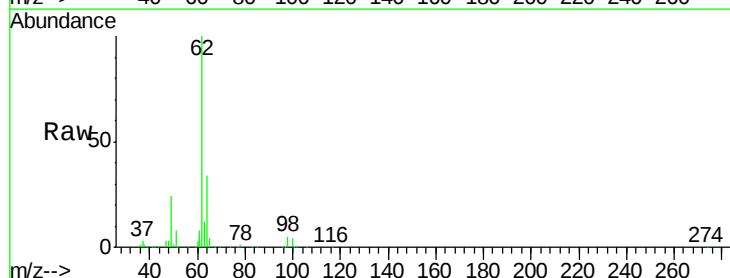
Acq: 8 Aug 2019 21:56

Tgt Ion: 62 Resp: 637737

Ion Ratio Lower Upper

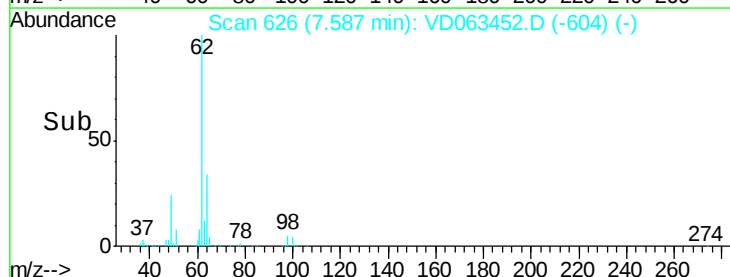
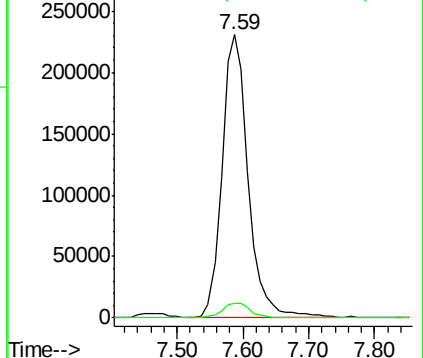
62 100

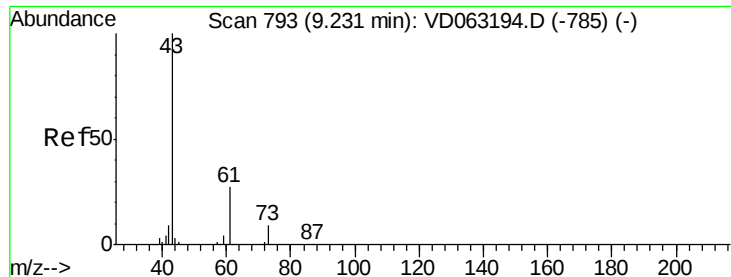
98 5.3 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



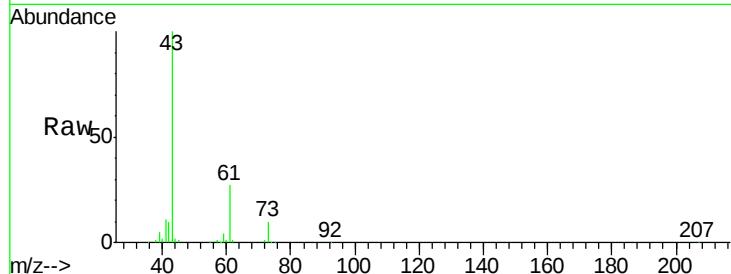


#43

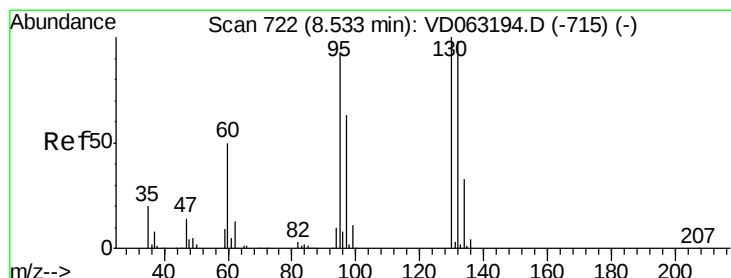
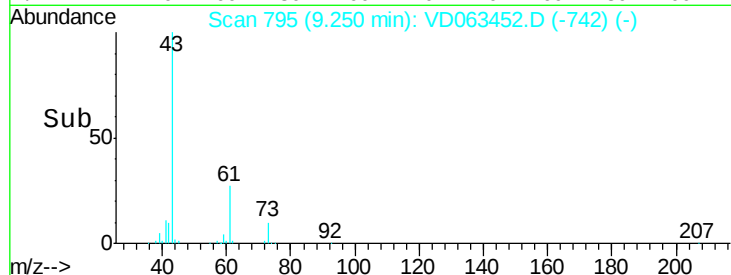
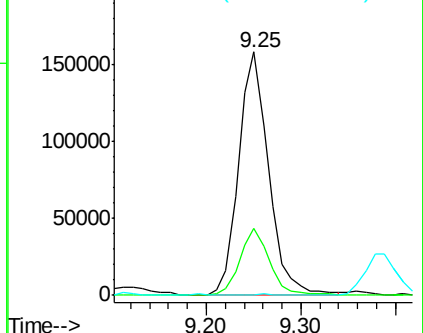
Isopropyl Acetate
 Concen: 53.824 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 347895
 Ion Ratio Lower Upper
 43 100
 61 27.3 21.4 32.0
 87 0.0 0.2 0.4#



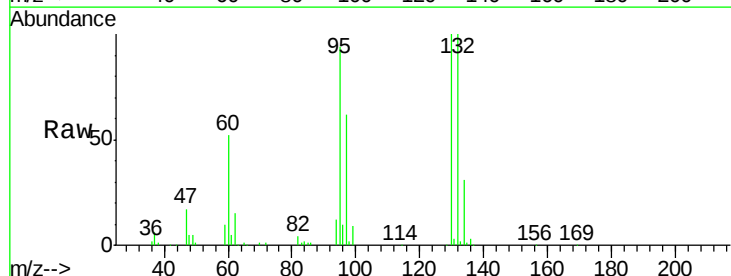
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



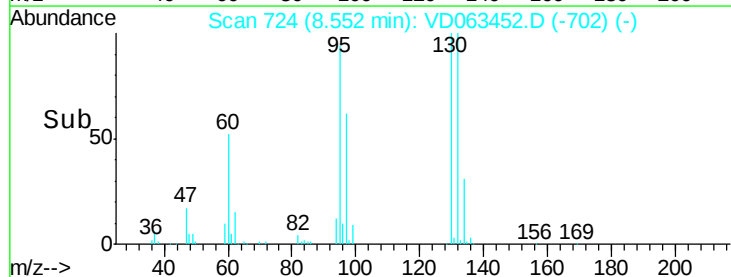
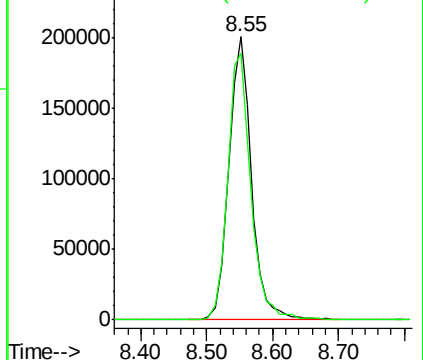
#44

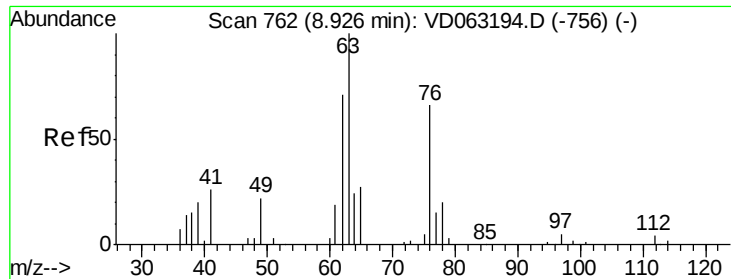
Trichloroethene
 Concen: 50.731 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

Tgt Ion: 130 Resp: 485246
 Ion Ratio Lower Upper
 130 100
 95 94.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.266 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

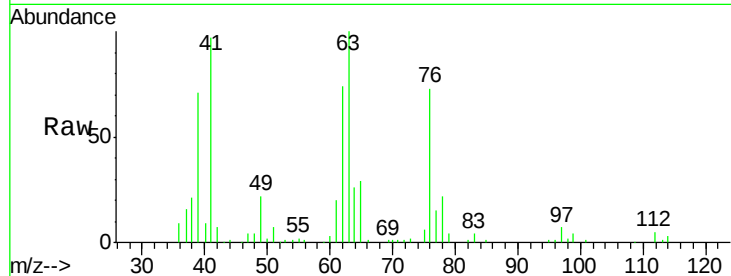
VSTDCCC050

Tot Ion: 63 Resp: 301584

Ion Ratio Lower Upper

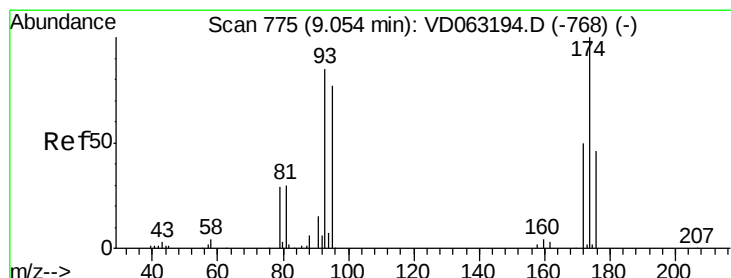
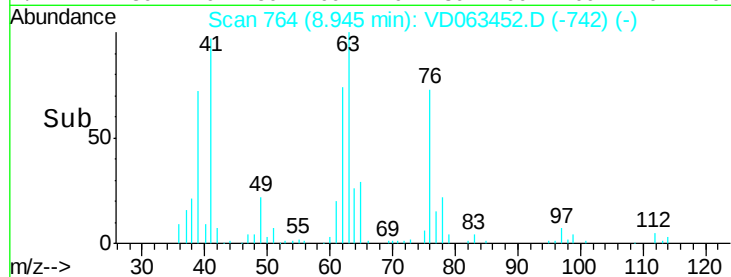
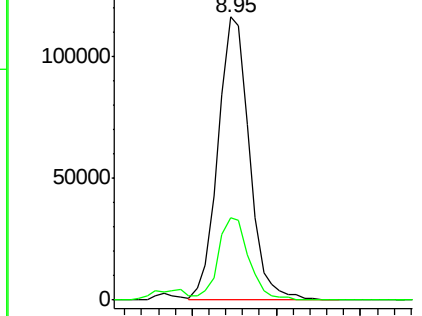
63 100

65 29.0 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.562 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

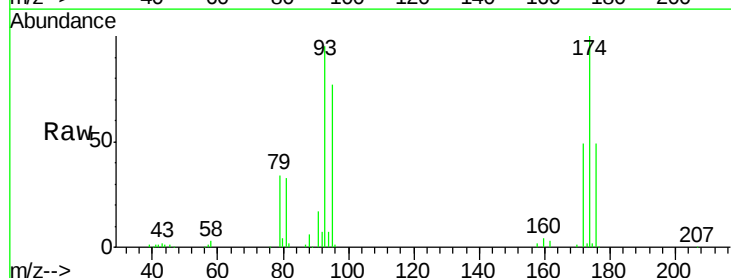
Tgt Ion: 93 Resp: 262216

Ion Ratio Lower Upper

93 100

95 80.9 72.8 109.2

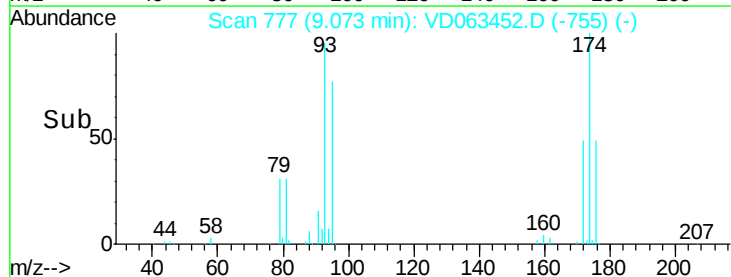
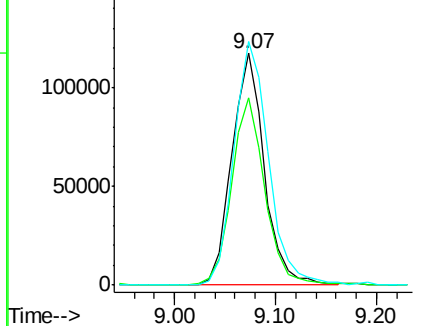
174 105.1 94.4 141.6

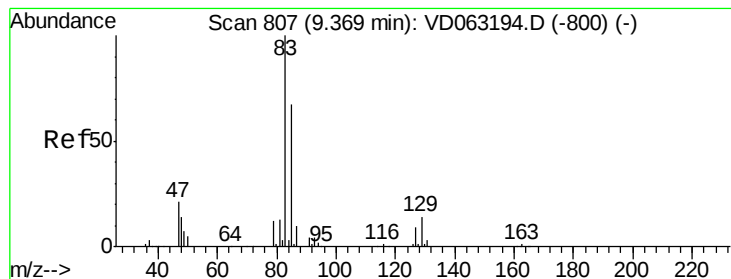


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.816 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

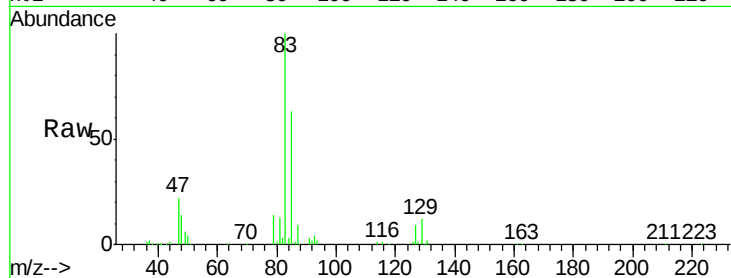
Tot Ion: 83 Resp: 671644

Ion Ratio Lower Upper

83 100

85 63.3 53.6 80.4

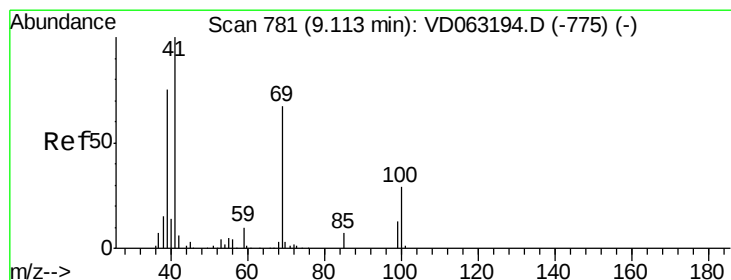
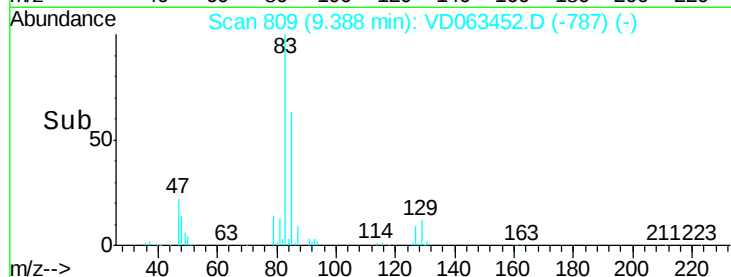
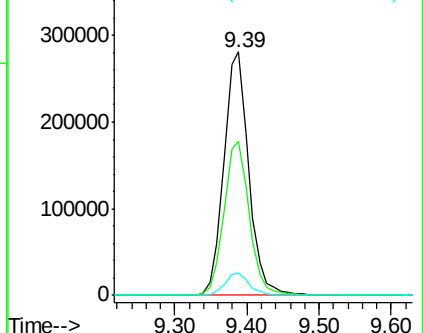
127 9.3 7.2 10.8



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: 55.837 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

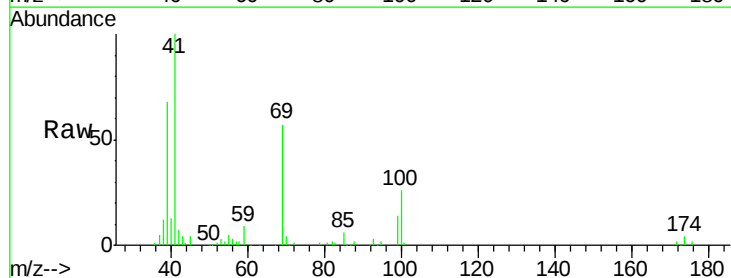
Tgt Ion: 41 Resp: 234069

Ion Ratio Lower Upper

41 100

69 57.4 53.4 80.0

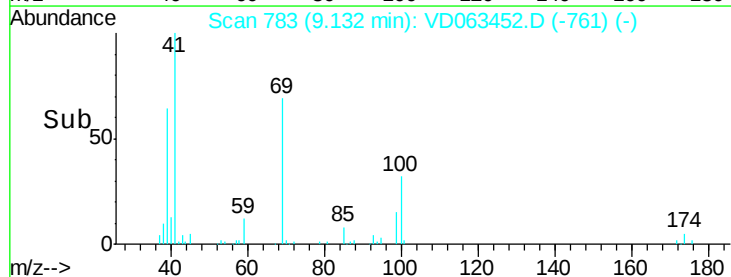
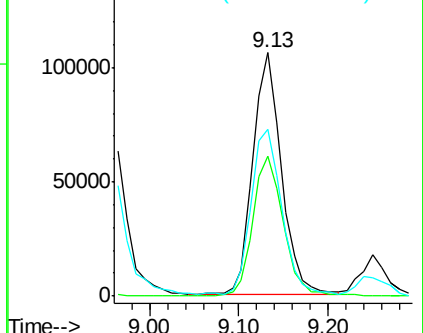
39 68.3 60.3 90.5

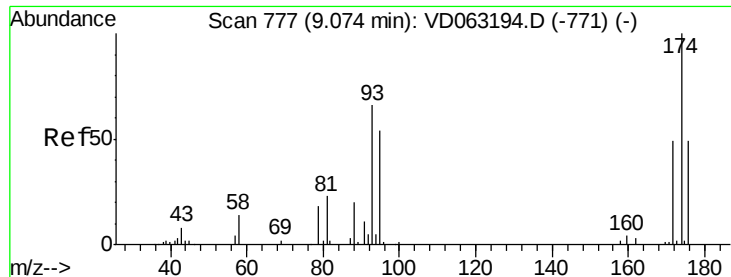


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

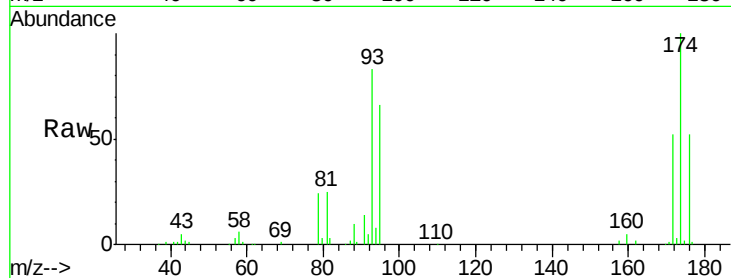




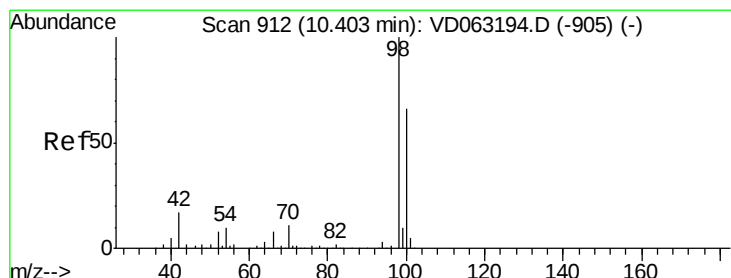
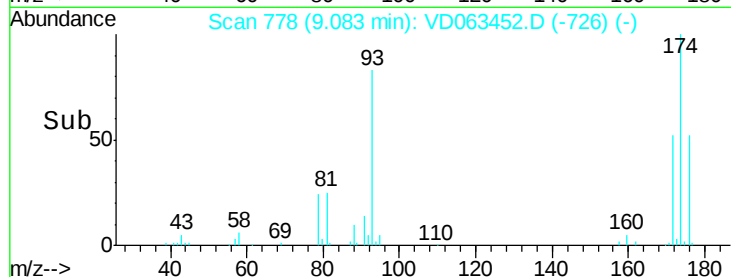
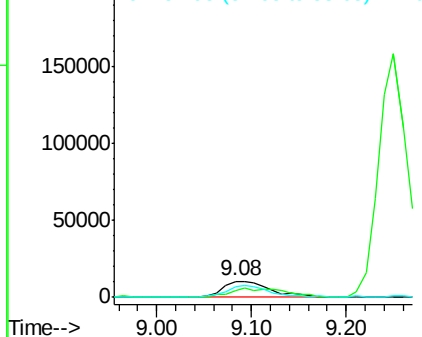
#49
1,4-Dioxane
Concen: 1020.862 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 36249
Ion Ratio Lower Upper
88 100
43 46.3 30.7 46.1#
58 65.0 56.5 84.7

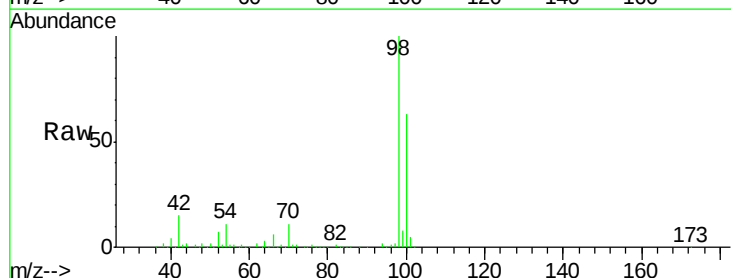


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

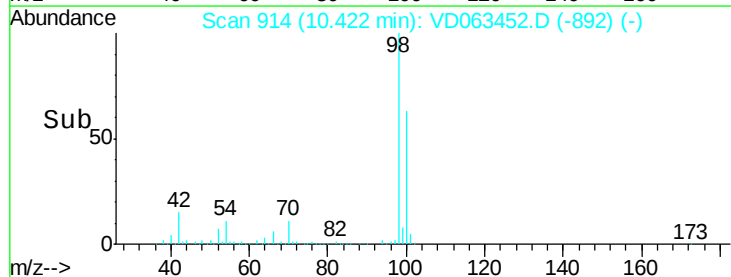
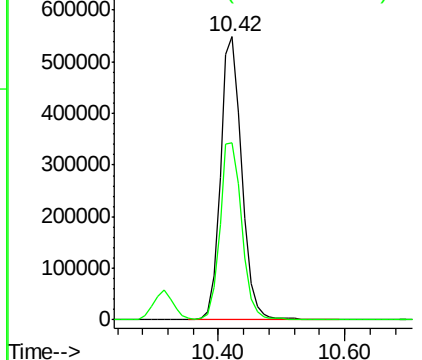


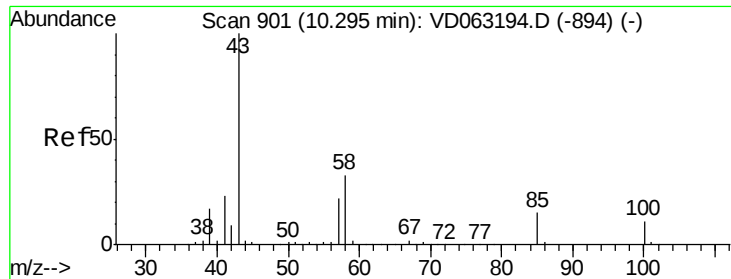
#50
Toluene-d8
Concen: 54.573 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 98 Resp: 1286890
Ion Ratio Lower Upper
98 100
100 62.8 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 273.529 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

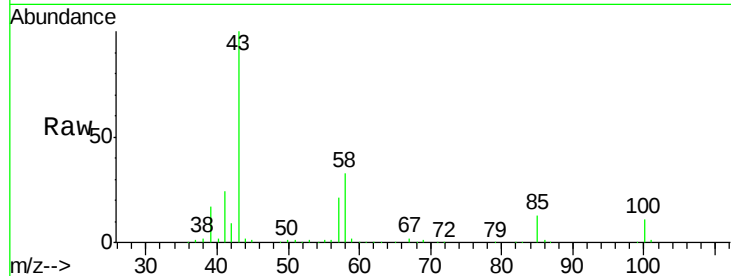
VSTDCCC050

Tot Ion: 43 Resp: 1202373

Ion Ratio Lower Upper

43 100

58 32.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

500000

400000

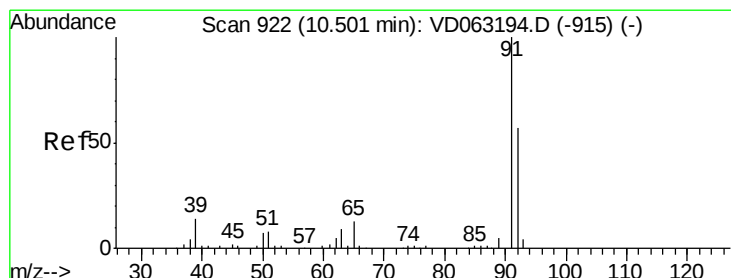
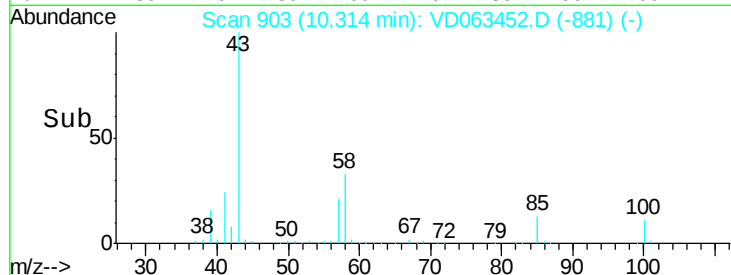
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.512 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD063452.D

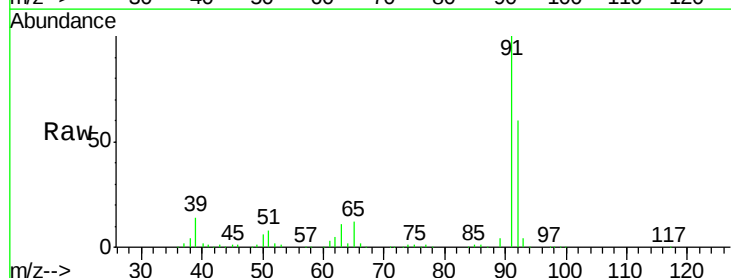
Acq: 8 Aug 2019 21:56

Tgt Ion: 92 Resp: 824417

Ion Ratio Lower Upper

92 100

91 167.6 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

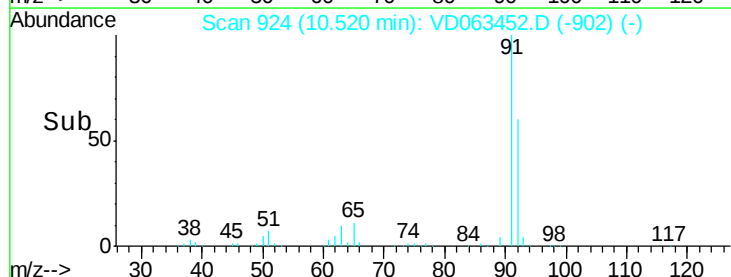
600000

400000

200000

0

Time-->

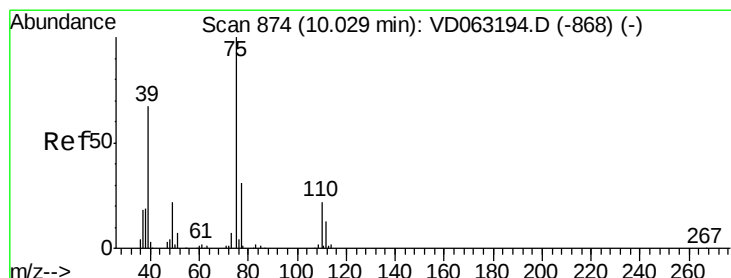
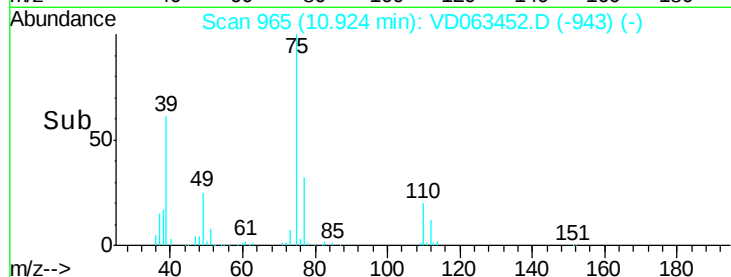
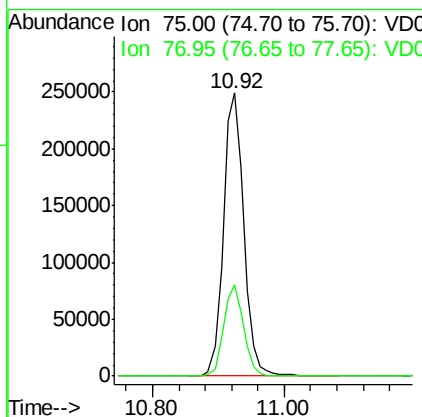
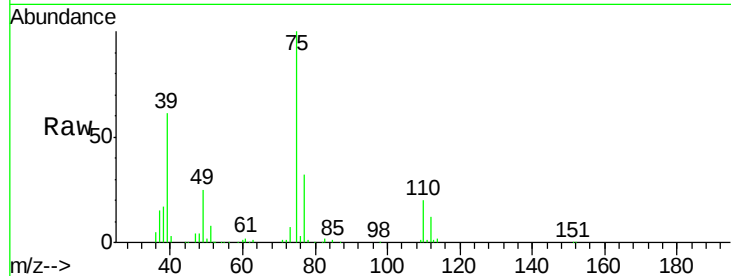




#53
 t-1,3-Dichloropropene
 Concen: 49.089 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

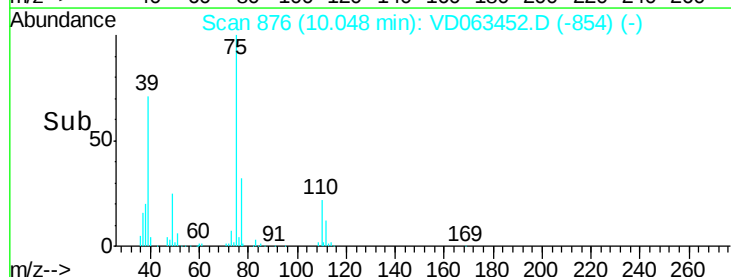
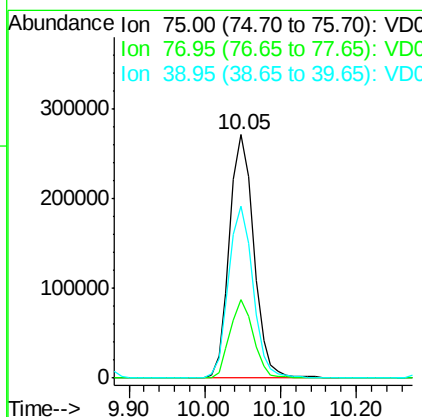
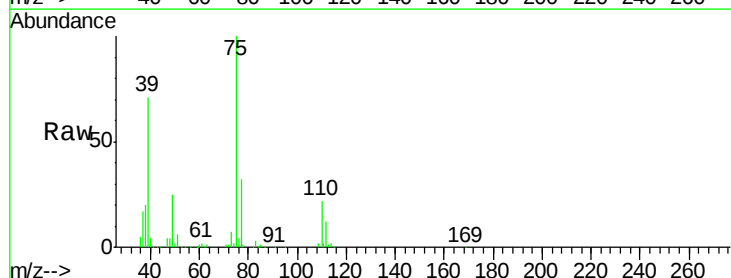
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

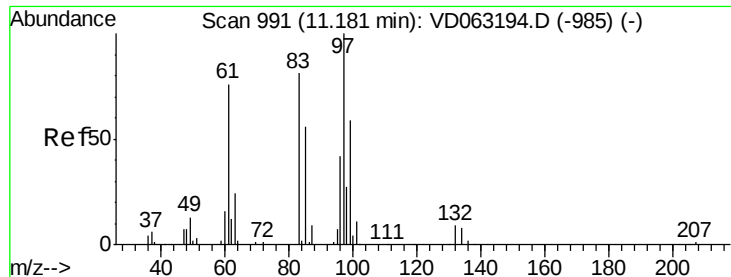
Tot Ion: 75 Resp: 538190
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.603 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

Tgt Ion: 75 Resp: 606110
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.9 37.3
 39 70.6 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 53.252 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 282356

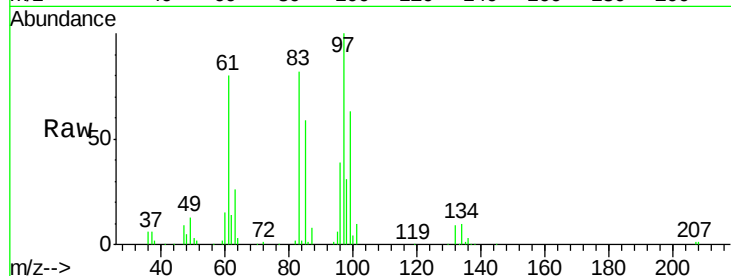
Ion Ratio Lower Upper

97 100

83 82.4 64.8 97.2

85 59.2 44.9 67.3

99 62.5 47.2 70.8

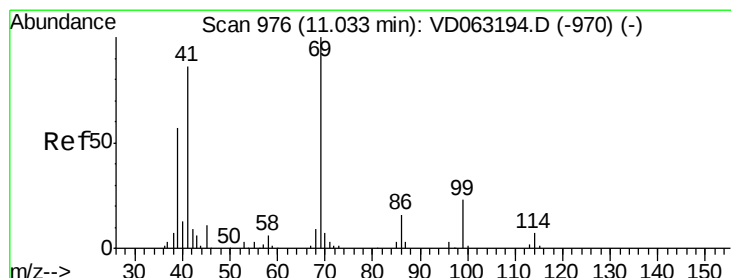
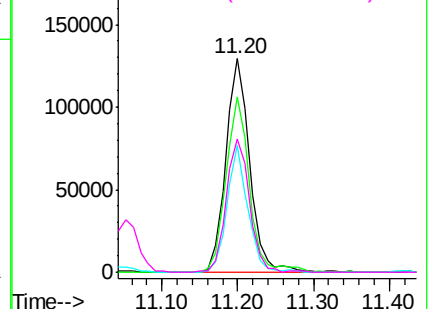
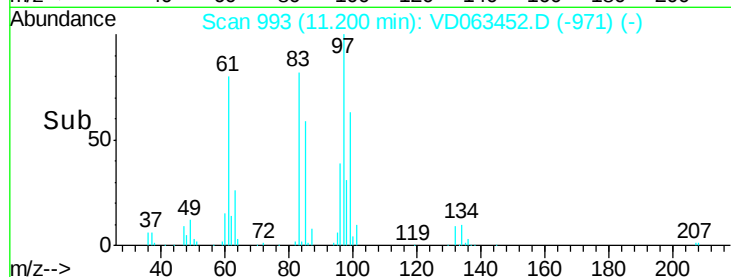


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 50.863 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

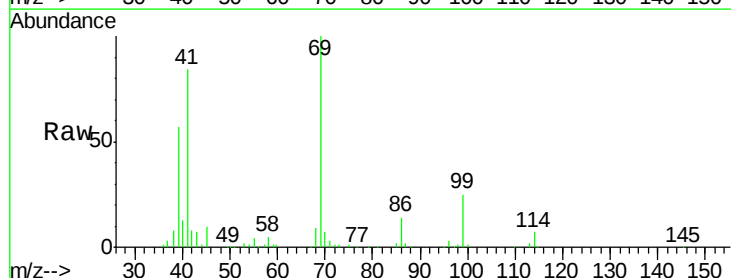
Tgt Ion: 69 Resp: 295317

Ion Ratio Lower Upper

69 100

41 84.1 68.8 103.2

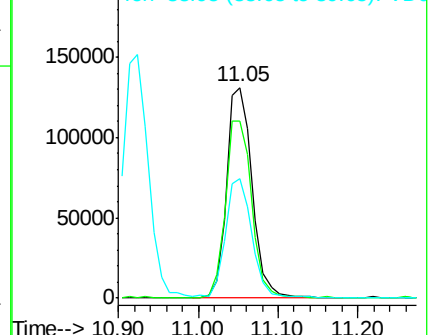
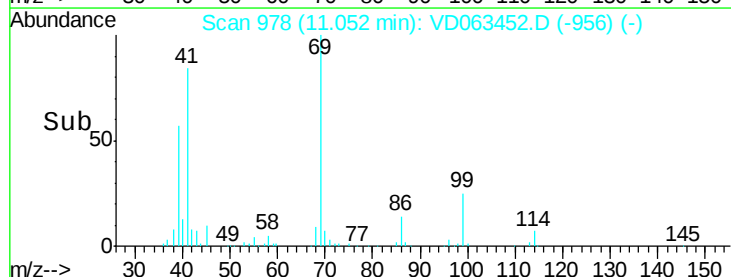
39 56.7 45.8 68.8

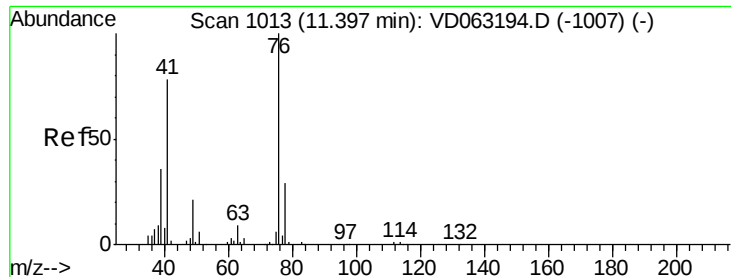


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.071 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

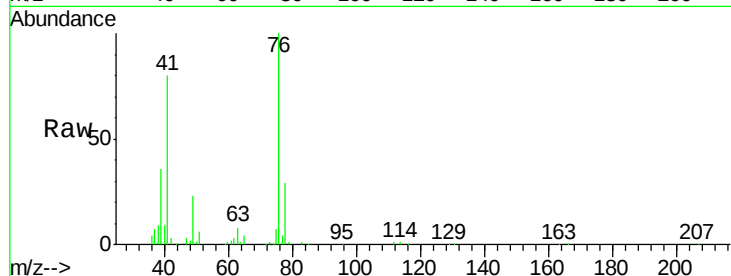
VSTDCCC050

Tot Ion: 76 Resp: 426664

Ion Ratio Lower Upper

76 100

78 29.4 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

250000

200000

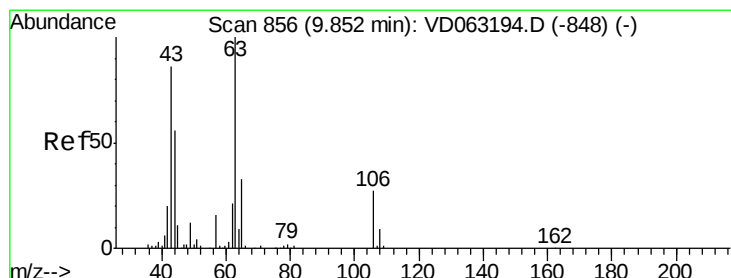
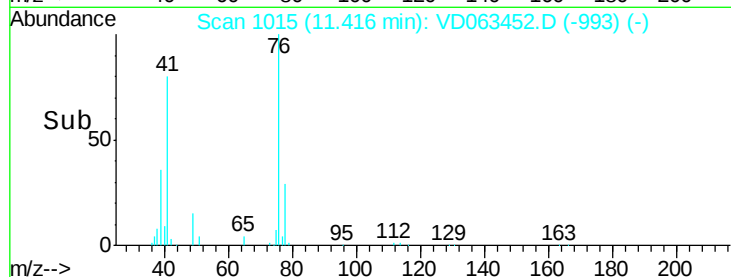
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 256.896 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD063452.D

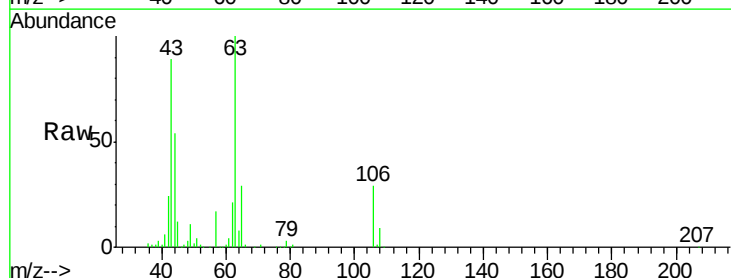
Acq: 8 Aug 2019 21:56

Tgt Ion: 63 Resp: 776131

Ion Ratio Lower Upper

63 100

106 29.2 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

400000

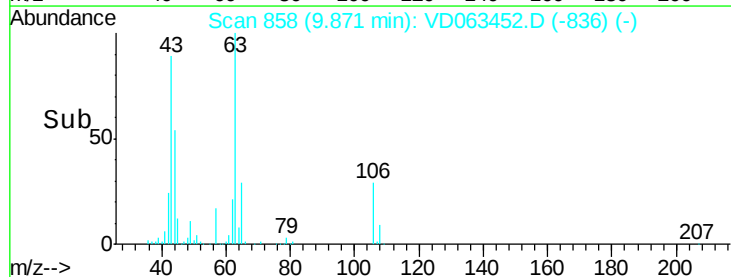
300000

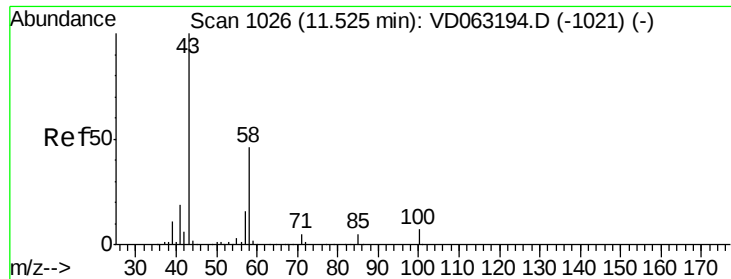
200000

100000

0

Time--> 9.80 9.90 10.00

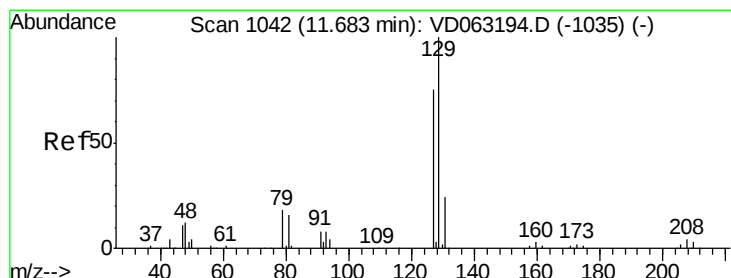
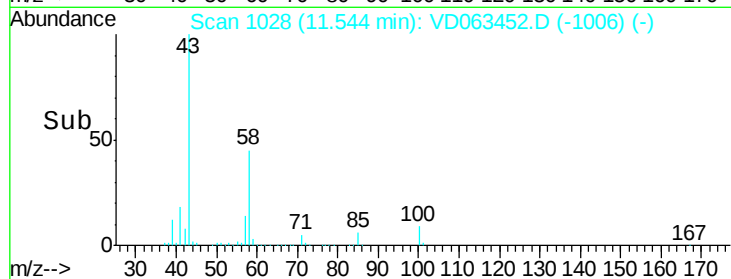
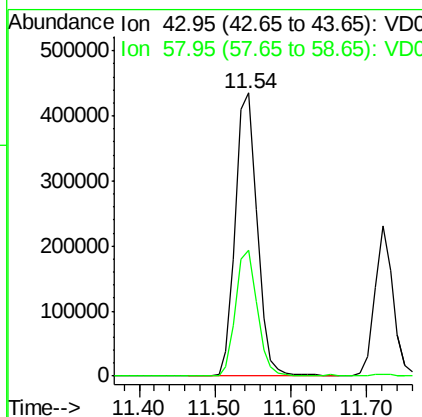
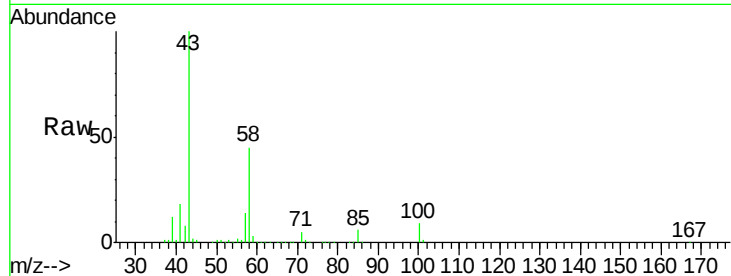




#59
2-Hexanone
Concen: 272.788 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

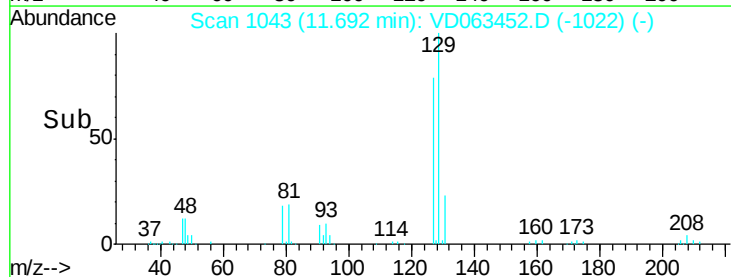
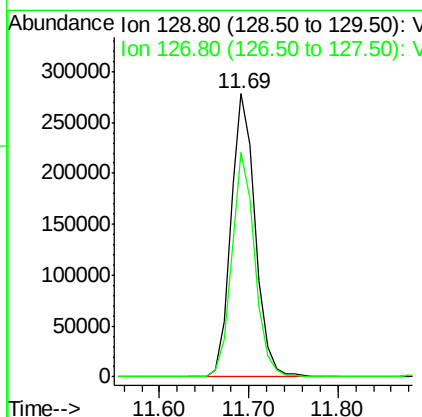
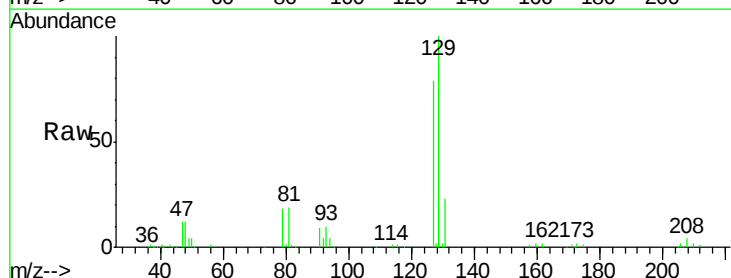
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 864131
Ion Ratio Lower Upper
43 100
58 44.5 22.9 68.5



#60
Dibromochloromethane
Concen: 53.273 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 129 Resp: 533261
Ion Ratio Lower Upper
129 100
127 79.3 37.6 112.8

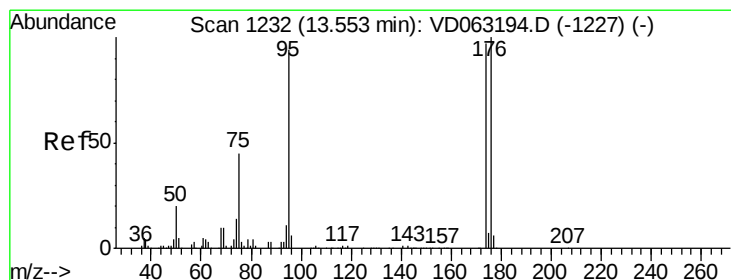
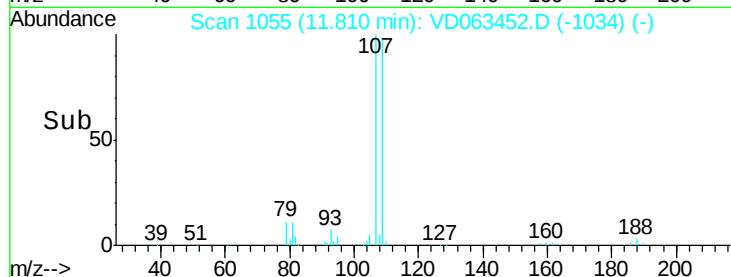
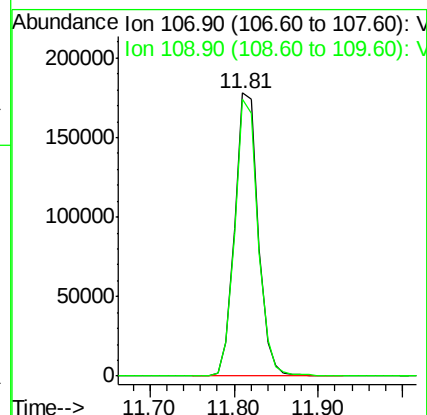
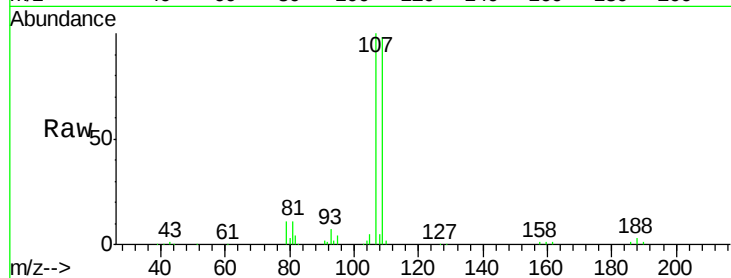




#61
1,2-Dibromoethane
Concen: 52.618 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

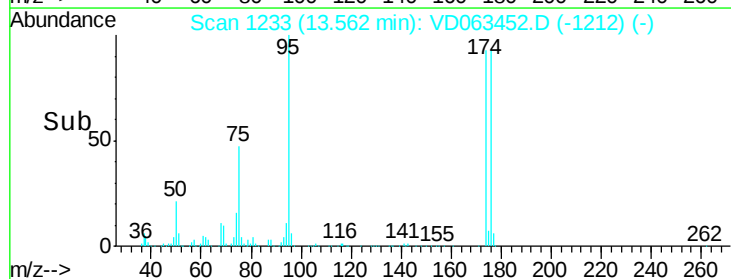
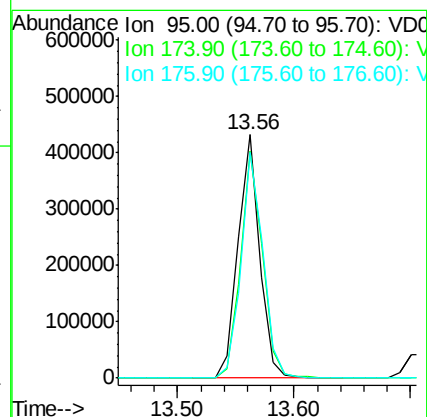
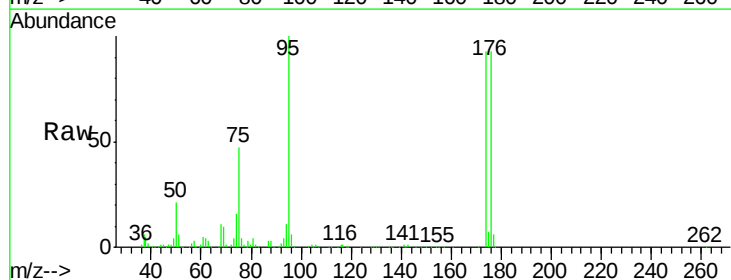
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

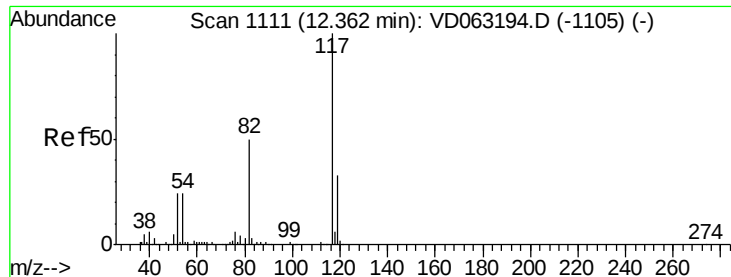
Tot Ion:107 Resp: 344267
Ion Ratio Lower Upper
107 100
109 97.8 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 51.769 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 95 Resp: 556304
Ion Ratio Lower Upper
95 100
174 93.3 0.0 205.4
176 92.6 0.0 211.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

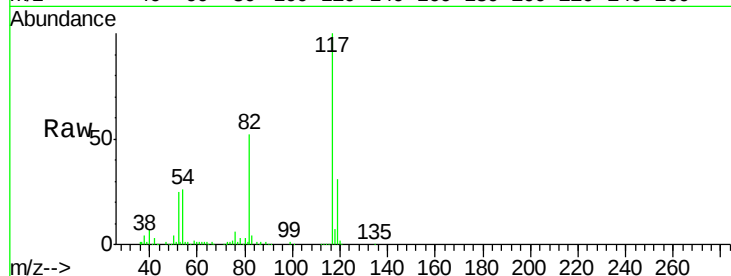
Tot Ion:117 Resp: 1050677

Ion Ratio Lower Upper

117 100

82 51.7 40.1 60.1

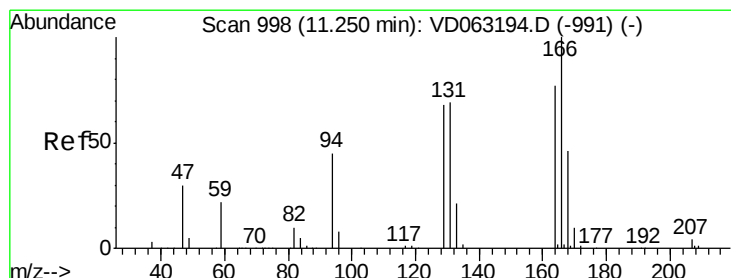
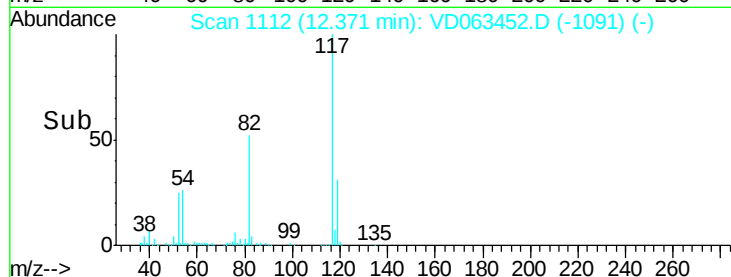
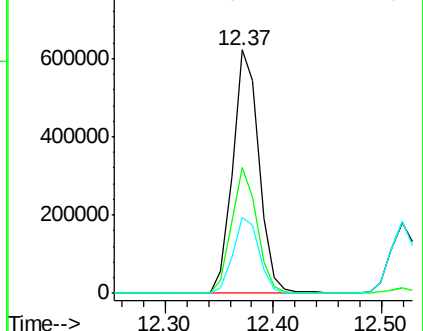
119 31.1 26.5 39.7



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 48.707 ug/l

RT: 11.27 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Tgt Ion:164 Resp: 407694

Ion Ratio Lower Upper

164 100

166 138.2 104.3 156.5

129 93.1 70.9 106.3

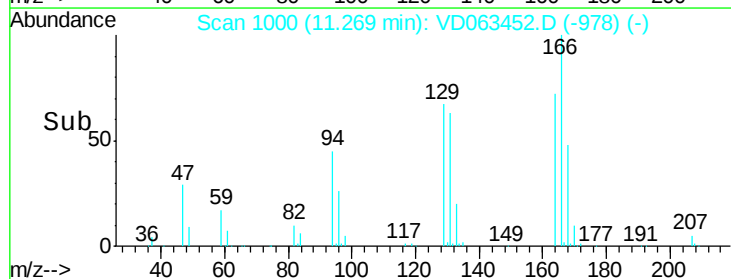
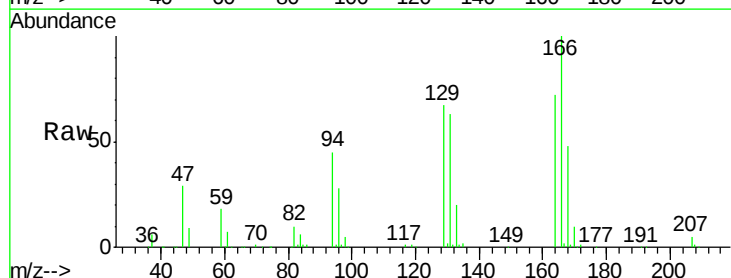
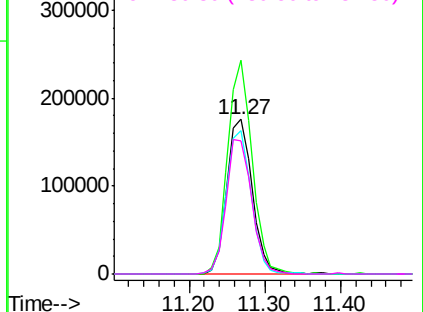
131 86.5 71.6 107.4

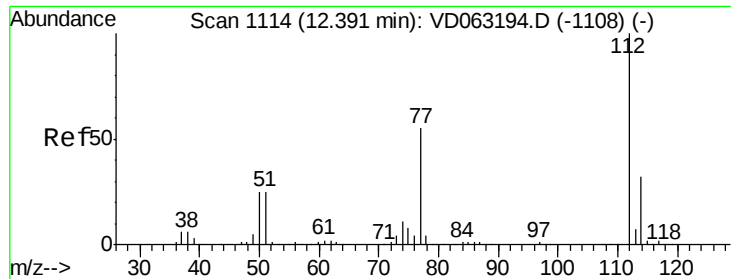
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

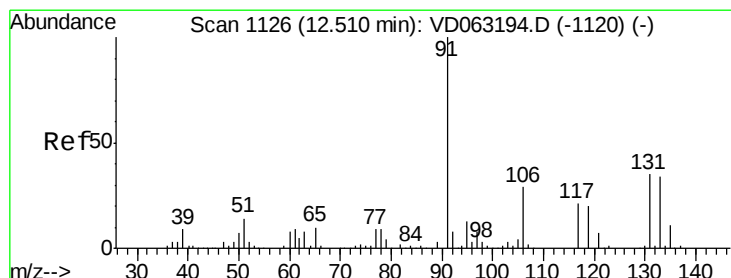
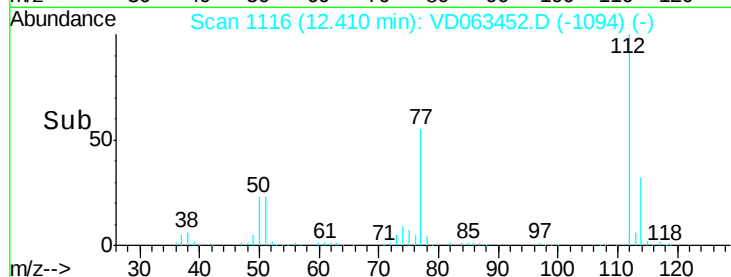
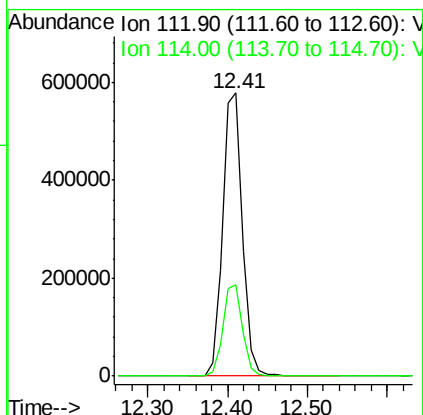
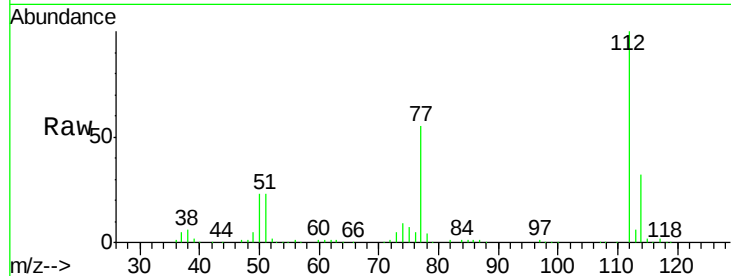




#65
Chlorobenzene
Concen: 50.175 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

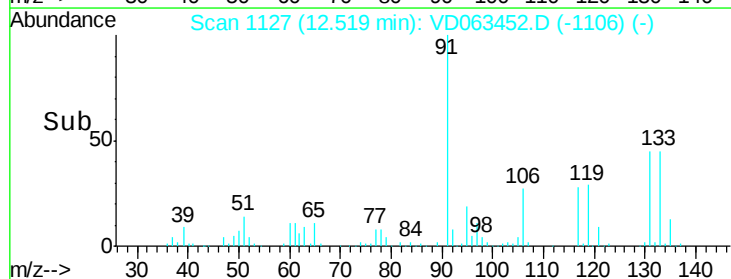
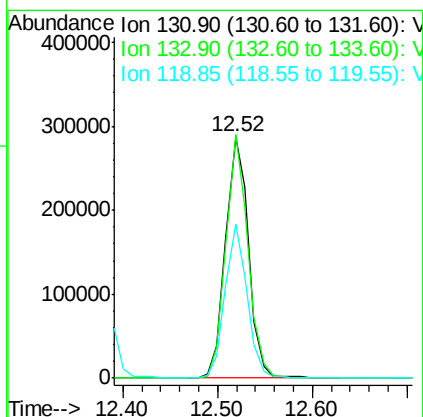
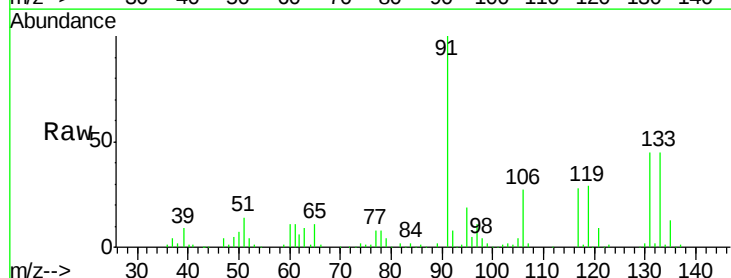
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

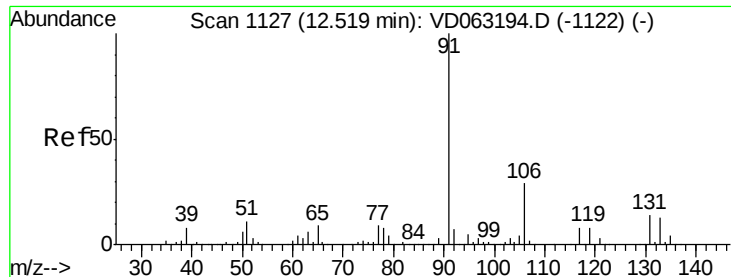
Tot Ion:112 Resp: 1013991
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.001 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion:131 Resp: 480716
Ion Ratio Lower Upper
131 100
133 100.8 48.4 145.2
119 63.9 29.1 87.3

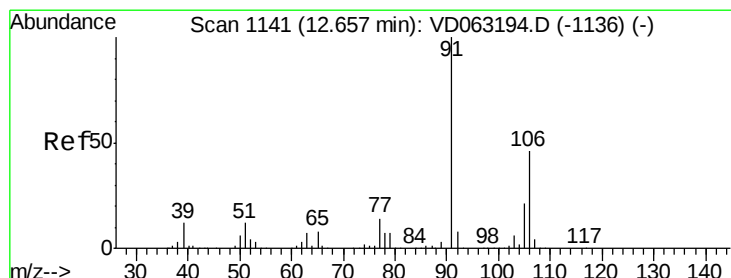
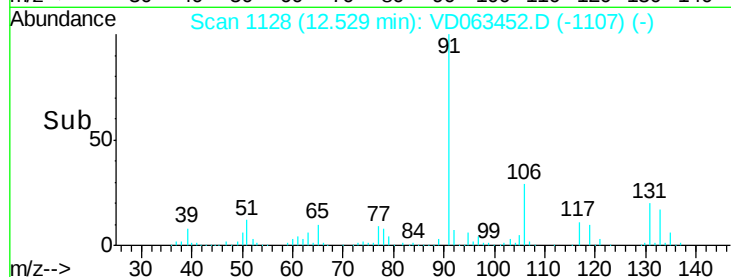
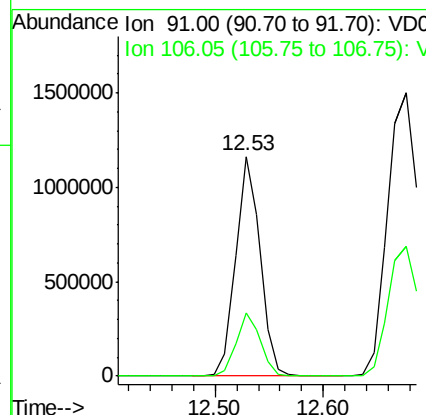
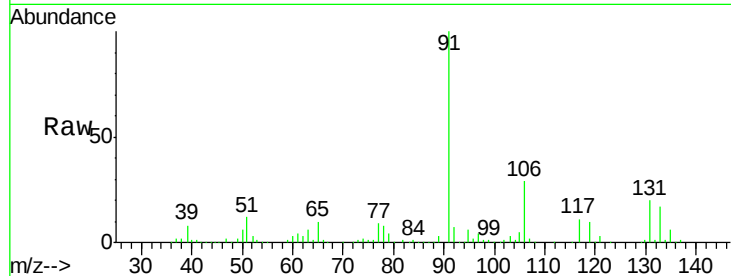




#67
Ethyl Benzene
Concen: 53.338 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

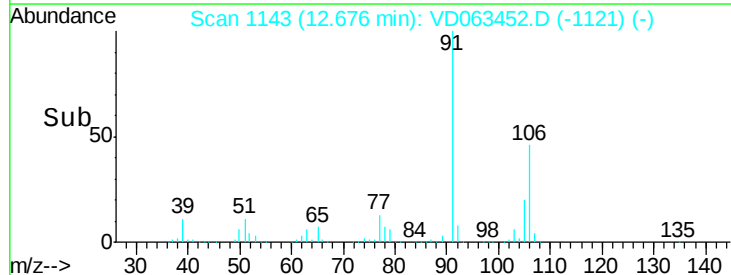
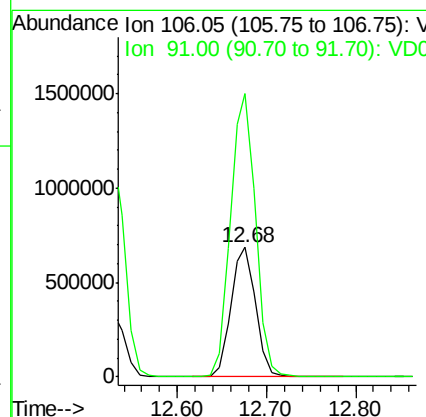
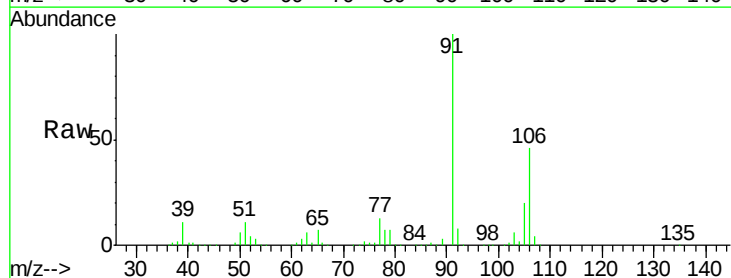
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

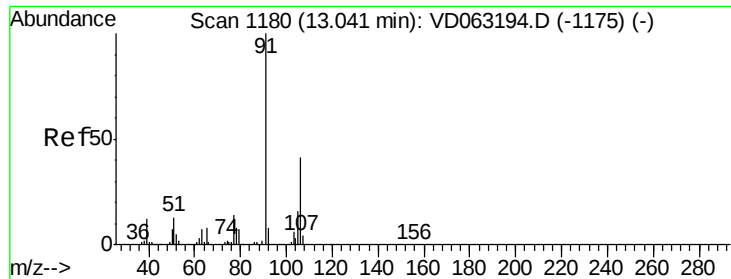
Tot Ion: 91 Resp: 1831153
Ion Ratio Lower Upper
91 100
106 28.6 22.9 34.3



#68
m/p-Xylenes
Concen: 106.215 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion: 106 Resp: 1337271
Ion Ratio Lower Upper
106 100
91 219.1 172.6 259.0

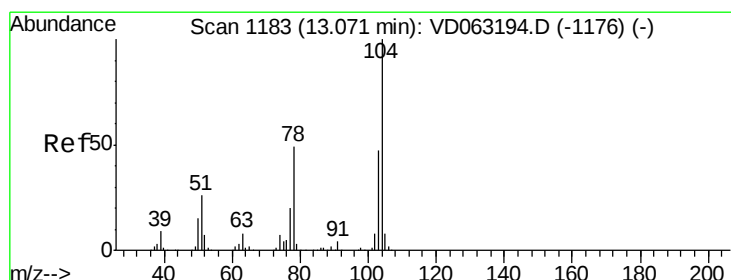
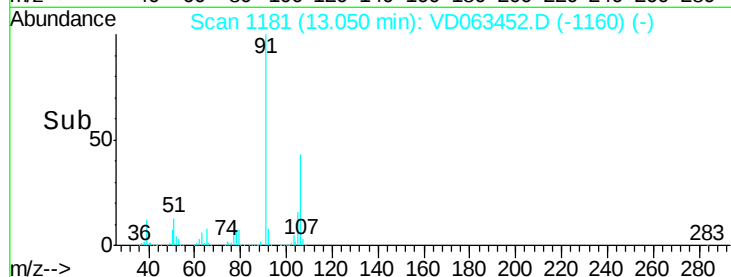
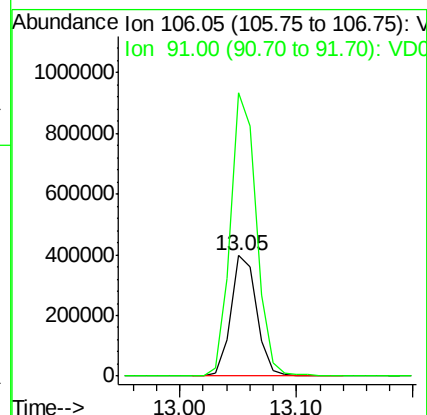
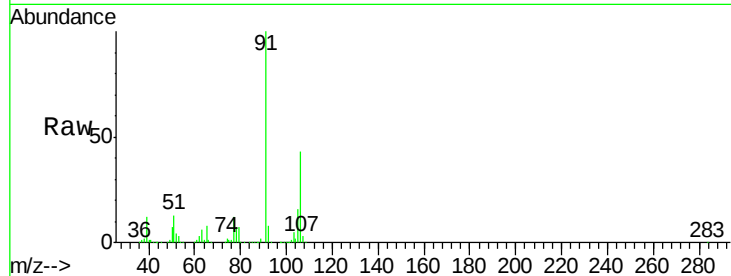




#69
o-Xylene
Concen: 52.842 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

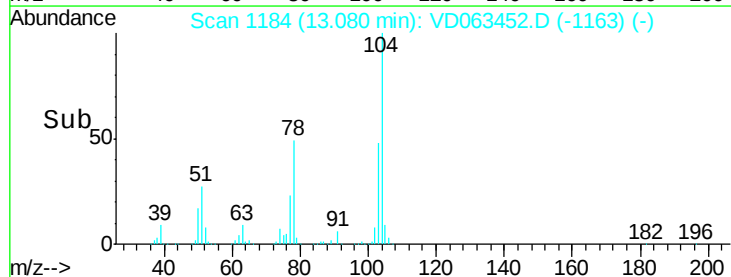
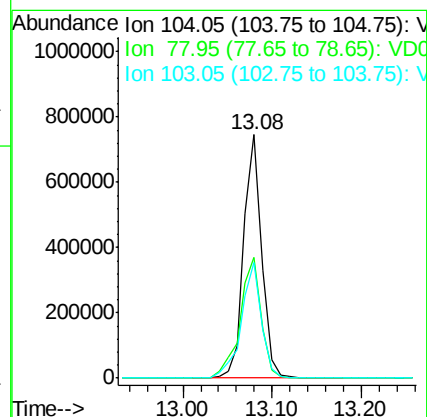
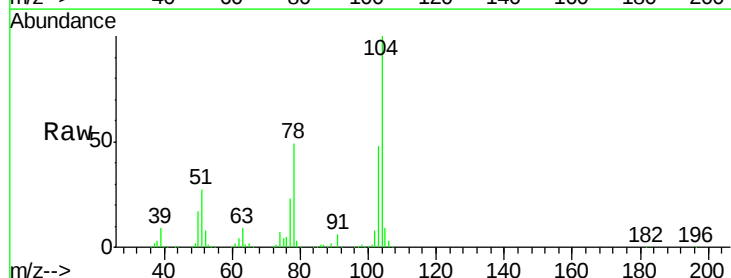
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

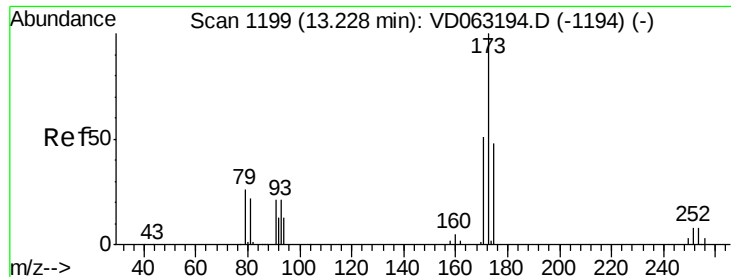
Tot Ion:106 Resp: 610944
Ion Ratio Lower Upper
106 100
91 234.7 121.3 363.9



#70
Styrene
Concen: 51.383 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion:104 Resp: 1053544
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.0
103 47.6 37.4 56.2





#71

Bromoform

Concen: 54.196 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

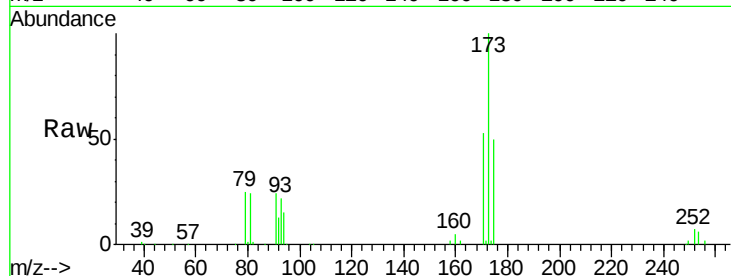
Tot Ion:173 Resp: 350848

Ion Ratio Lower Upper

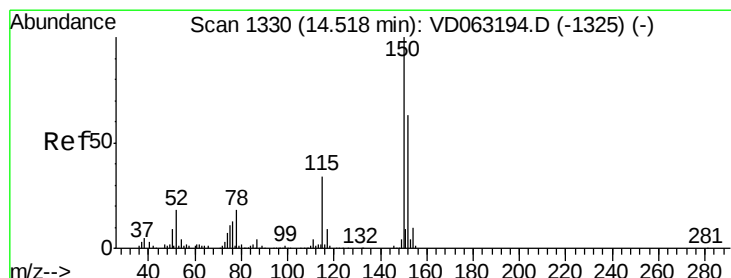
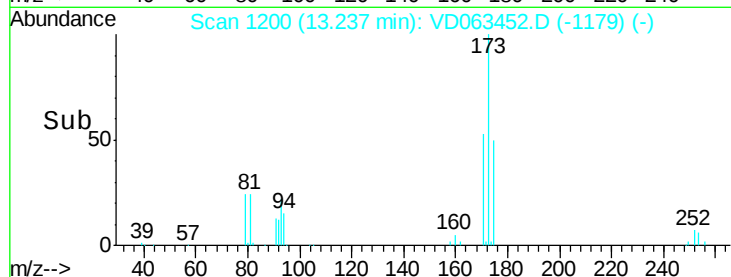
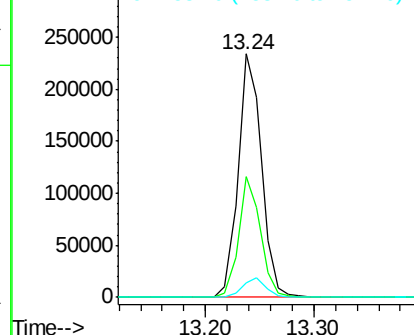
173 100

175 49.6 23.8 71.5

254 6.1 6.6 10.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

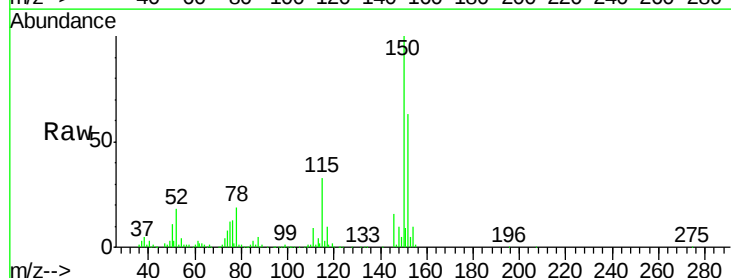
Tgt Ion:152 Resp: 558699

Ion Ratio Lower Upper

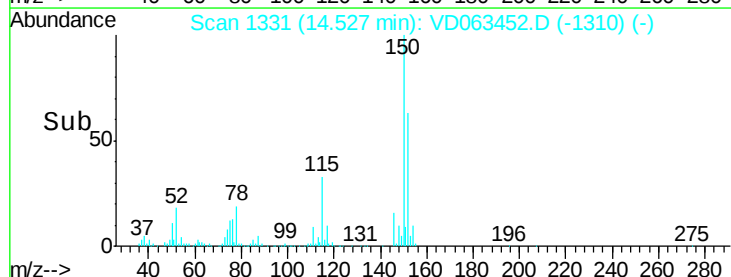
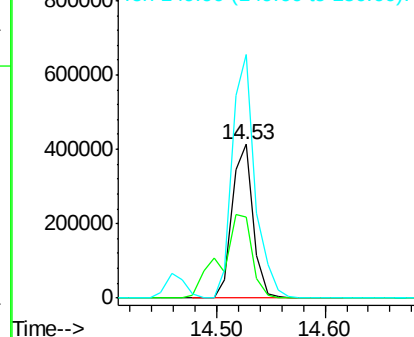
152 100

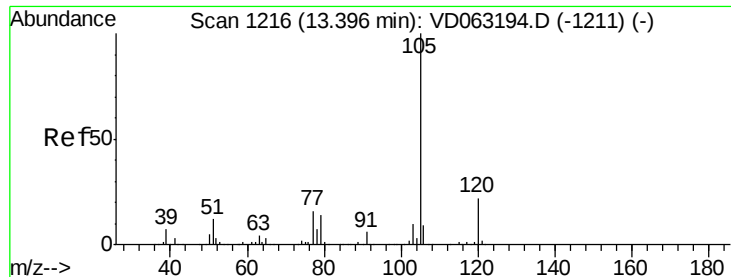
115 52.8 27.5 82.4

150 158.6 0.0 320.6



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





#73

Isopropylbenzene

Concen: 49.917 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

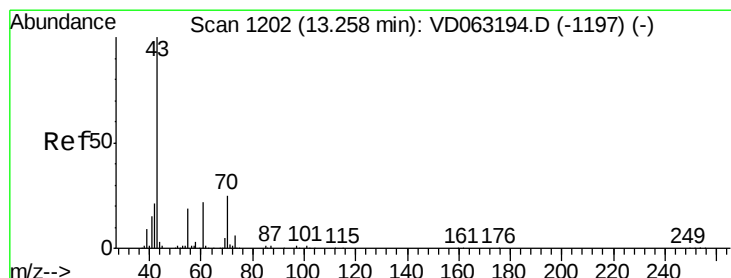
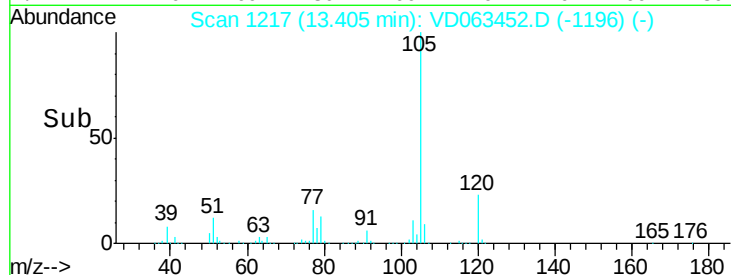
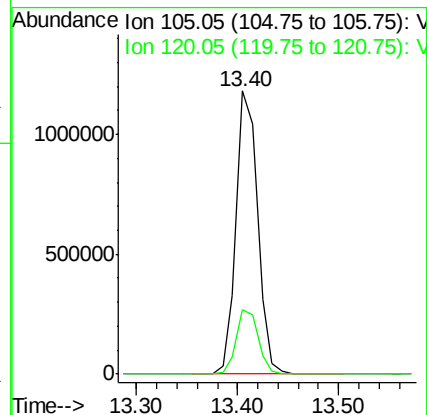
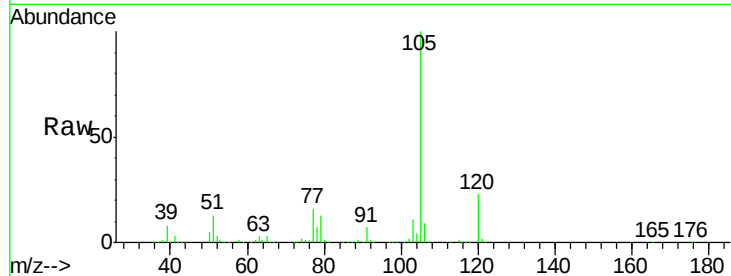
VSTDCCC050

Tot Ion: 105 Resp: 1750361

Ion Ratio Lower Upper

105 100

120 22.7 11.1 33.3



#74

N-ethyl acetate

Concen: 52.971 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Tgt Ion: 43 Resp: 491039

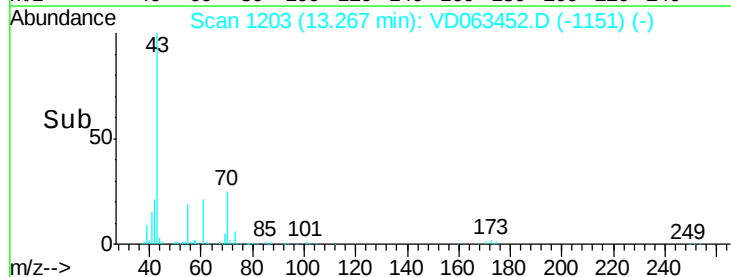
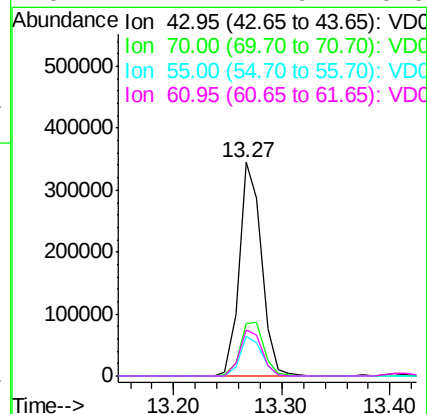
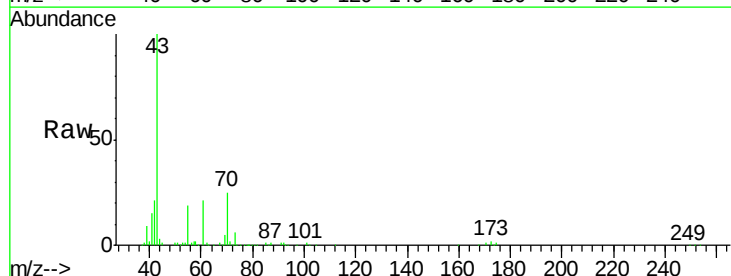
Ion Ratio Lower Upper

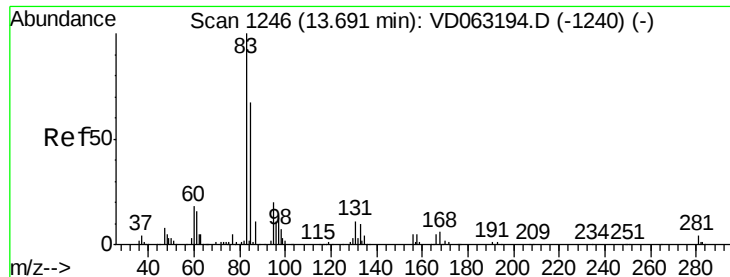
43 100

70 24.7 20.2 30.4

55 18.6 14.9 22.3

61 21.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 58.674 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

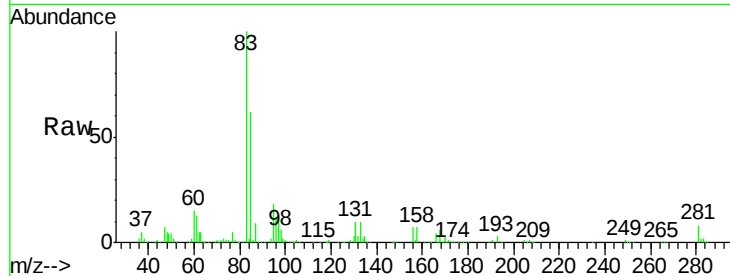
Tot Ion: 83 Resp: 349489

Ion Ratio Lower Upper

83 100

131 9.7 5.5 16.7

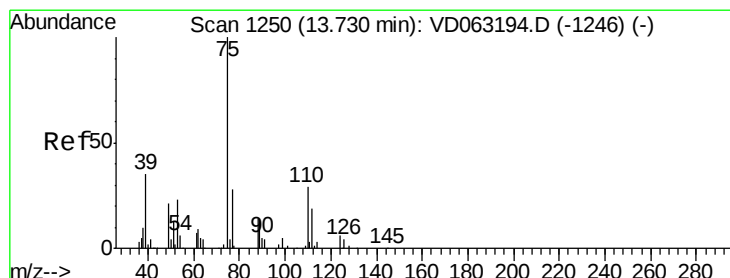
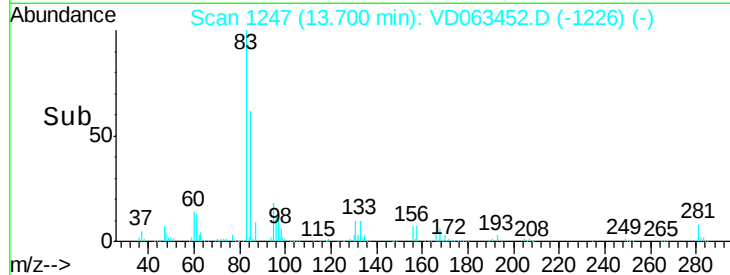
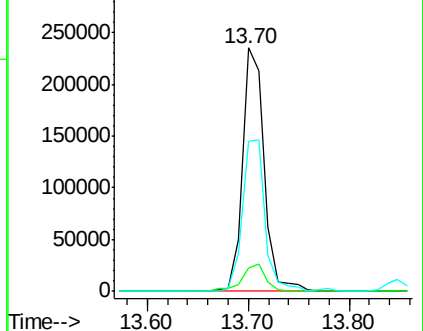
85 61.8 33.7 101.1



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: 53.673 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063452.D

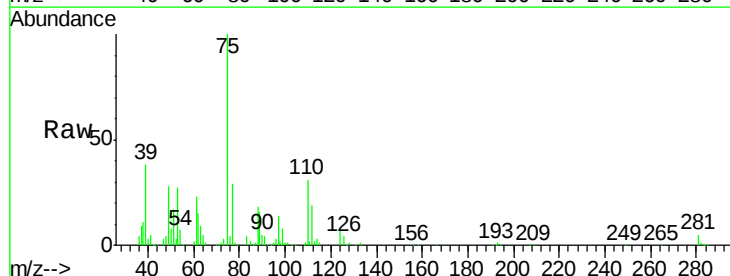
Acq: 8 Aug 2019 21:56

Tgt Ion: 75 Resp: 360180

Ion Ratio Lower Upper

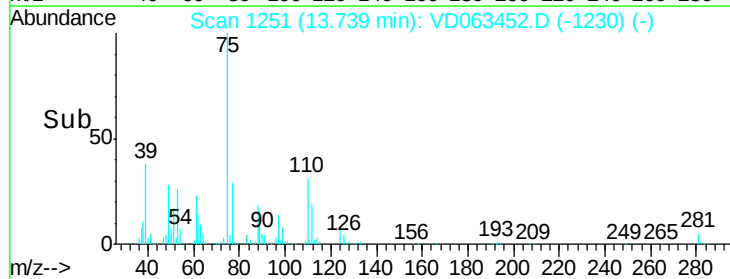
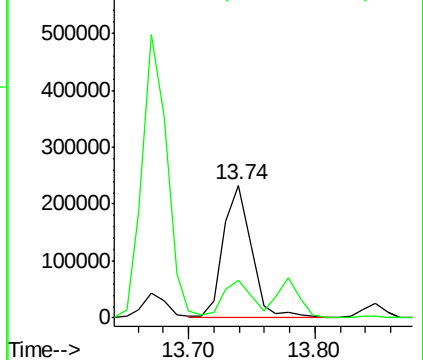
75 100

77 28.8 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: 54.819 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

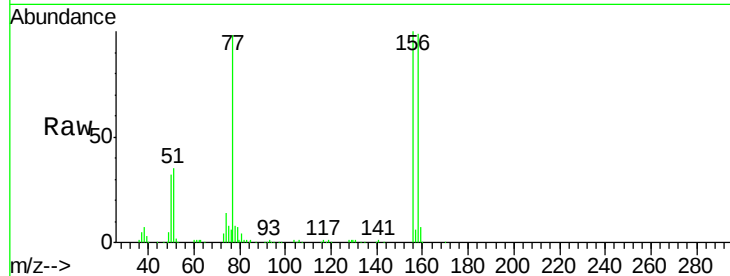
Tot Ion:156 Resp: 547599

Ion Ratio Lower Upper

156 100

77 97.6 67.6 202.8

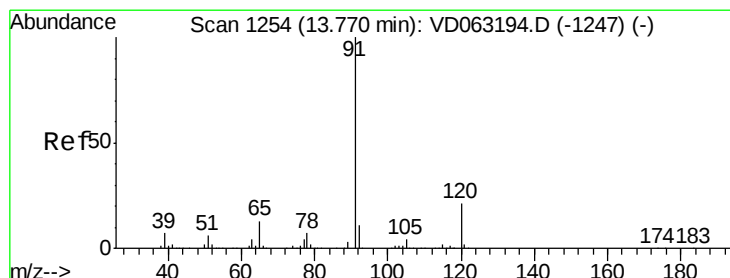
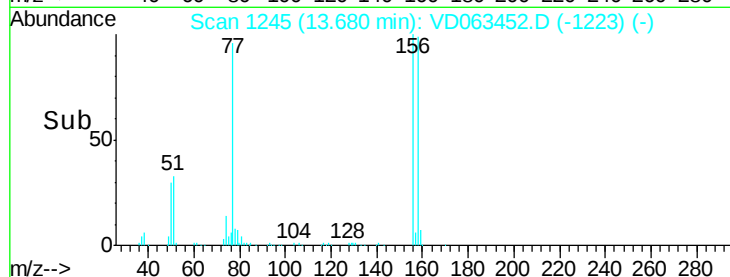
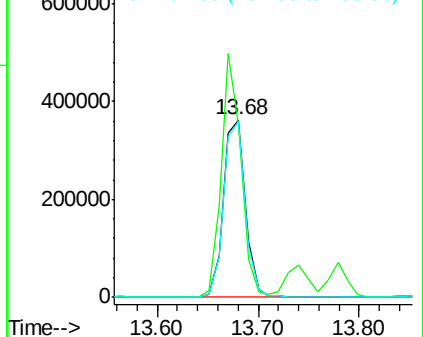
158 99.2 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.936 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063452.D

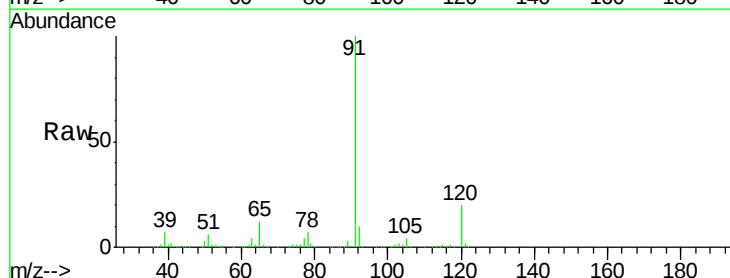
Acq: 8 Aug 2019 21:56

Tgt Ion: 91 Resp: 2125494

Ion Ratio Lower Upper

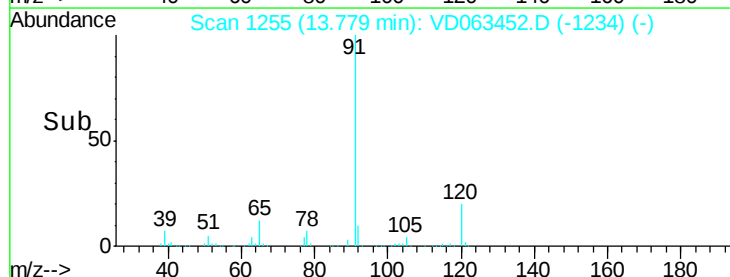
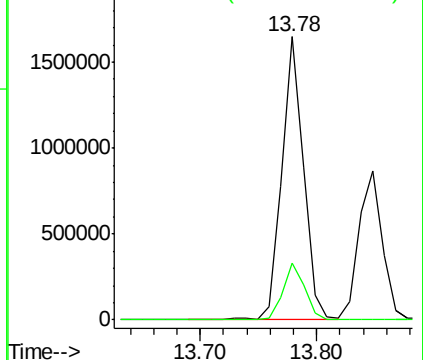
91 100

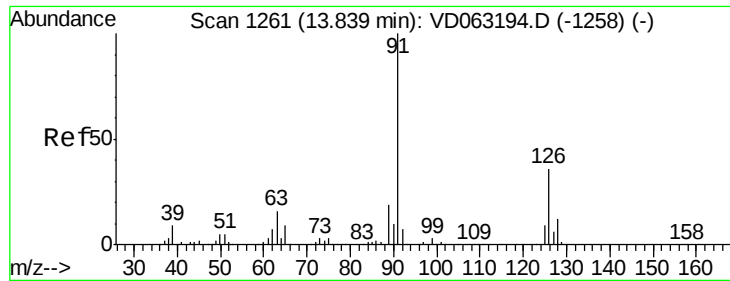
120 20.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

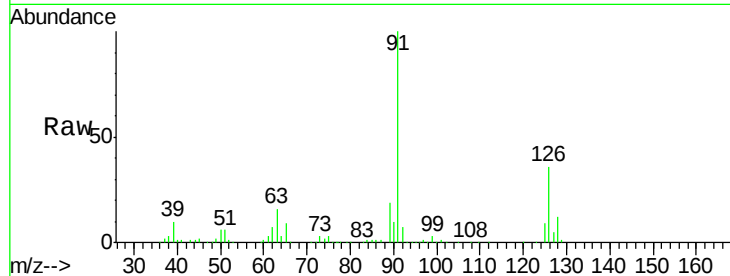




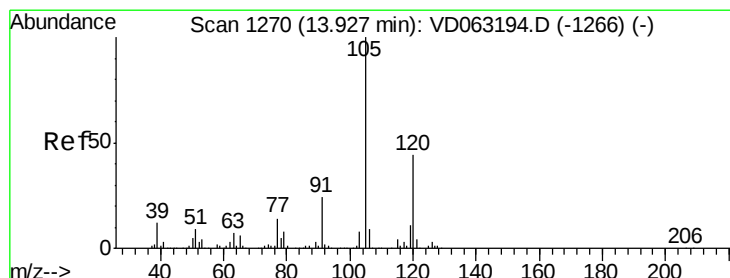
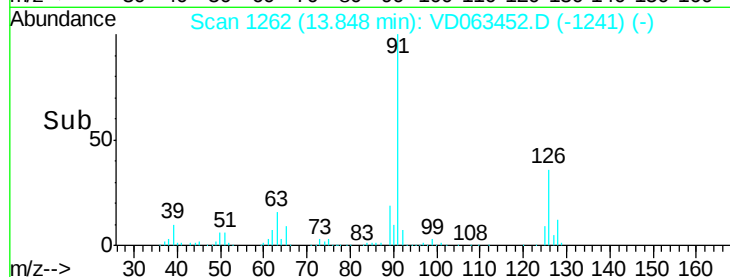
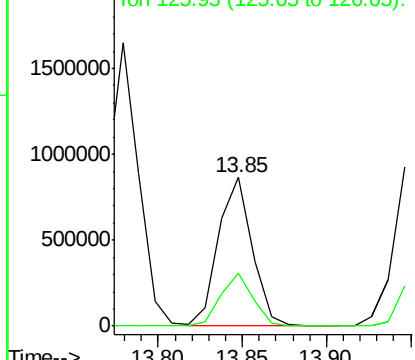
#79
 2-Chlorotoluene
 Concen: 49.813 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1204442
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.5

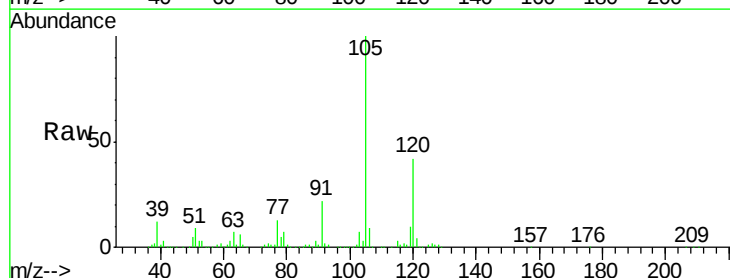


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

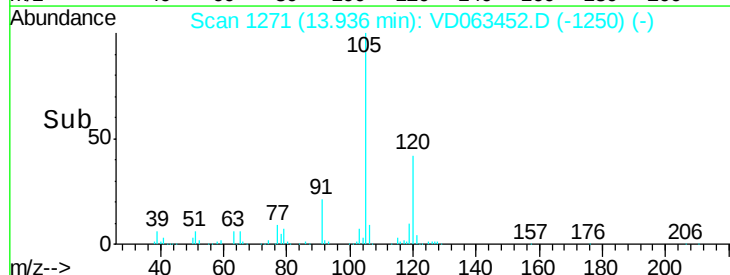
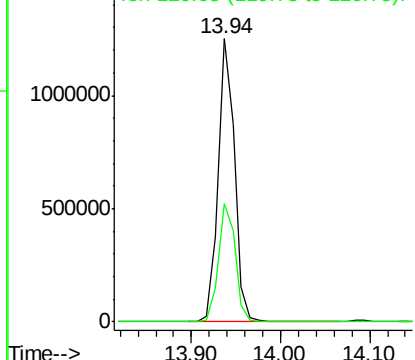


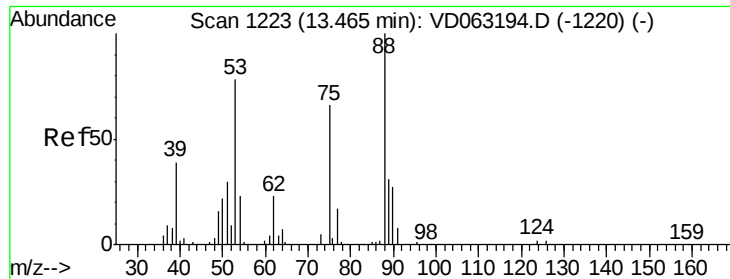
#80
 1,3,5-Trimethylbenzene
 Concen: 53.017 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

Tgt Ion: 105 Resp: 1603444
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.451 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

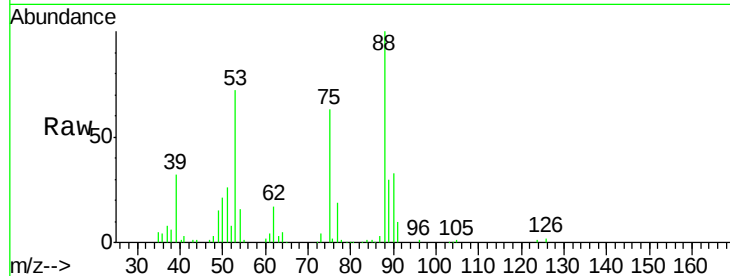
Tot Ion: 75 Resp: 90284

Ion Ratio Lower Upper

75 100

53 115.8 94.9 142.3

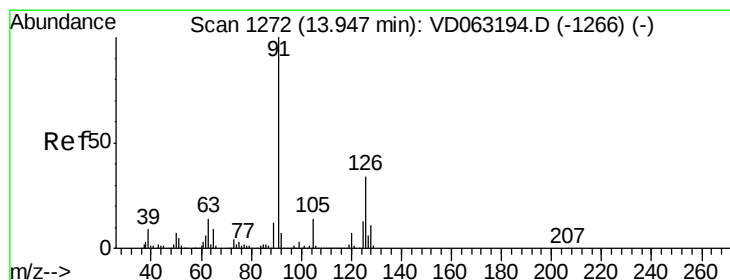
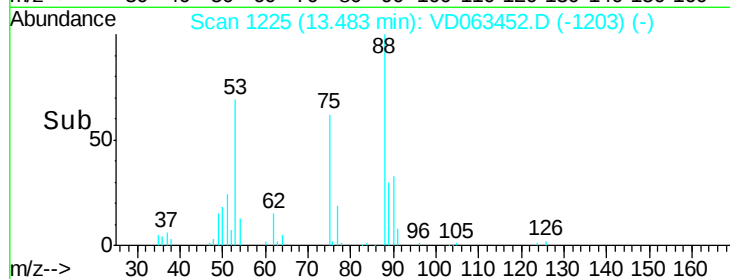
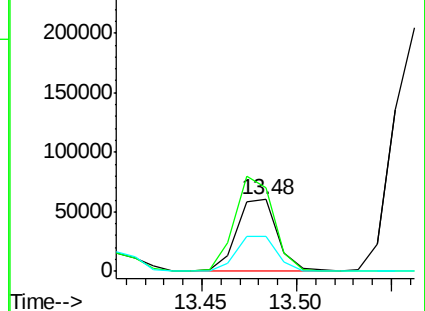
89 48.6 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 55.108 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD063452.D

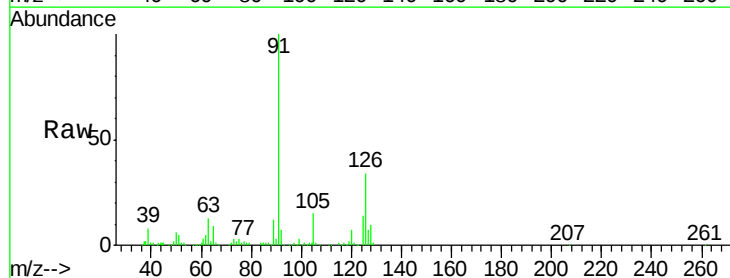
Acq: 8 Aug 2019 21:56

Tgt Ion: 91 Resp: 1568136

Ion Ratio Lower Upper

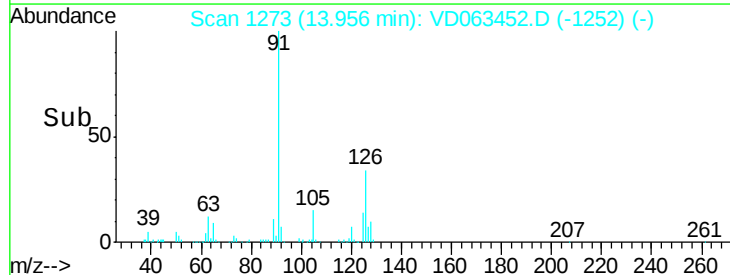
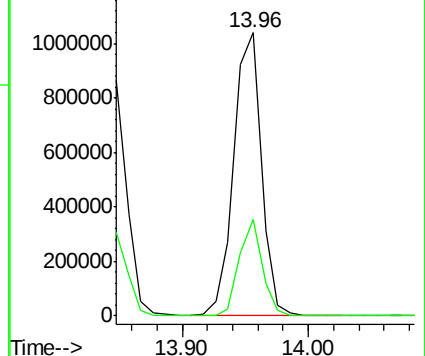
91 100

126 34.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 50.566 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

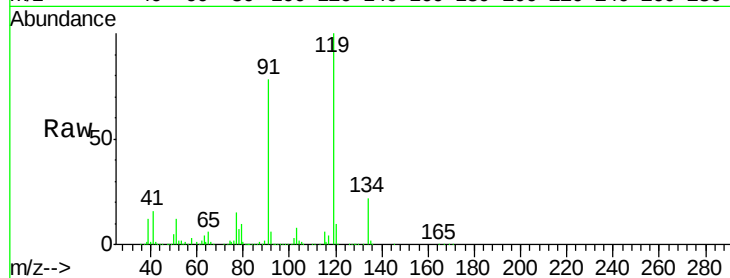
Tot Ion:119 Resp: 1746192

Ion Ratio Lower Upper

119 100

91 78.0 39.1 117.5

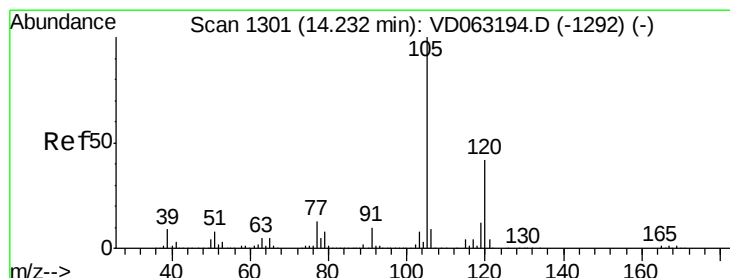
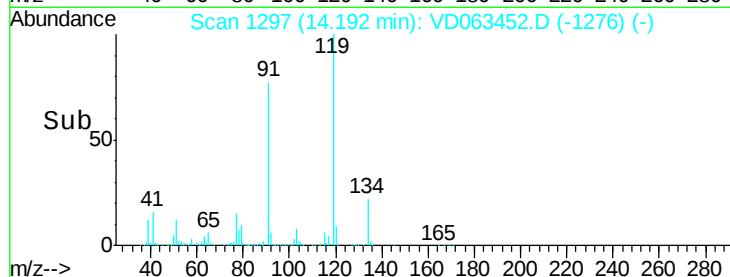
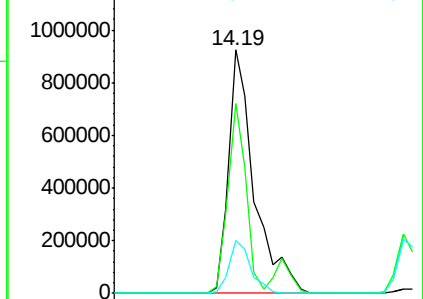
134 21.8 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.817 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063452.D

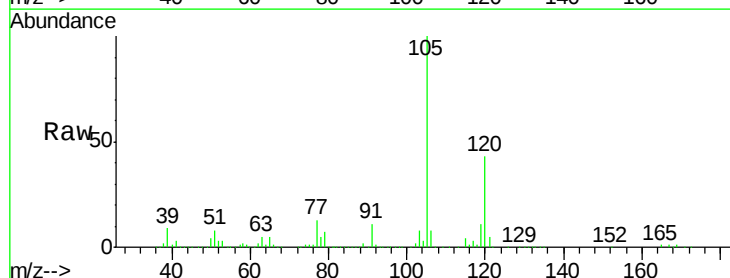
Acq: 8 Aug 2019 21:56

Tgt Ion:105 Resp: 1589701

Ion Ratio Lower Upper

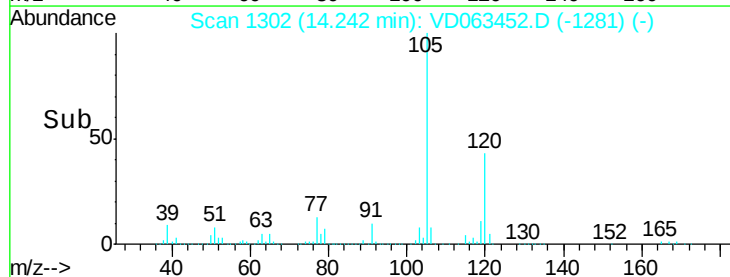
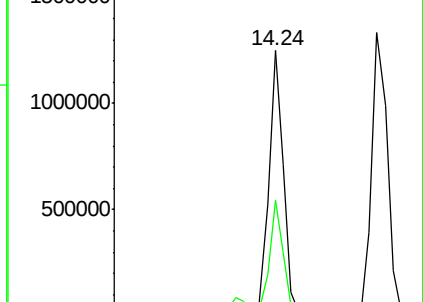
105 100

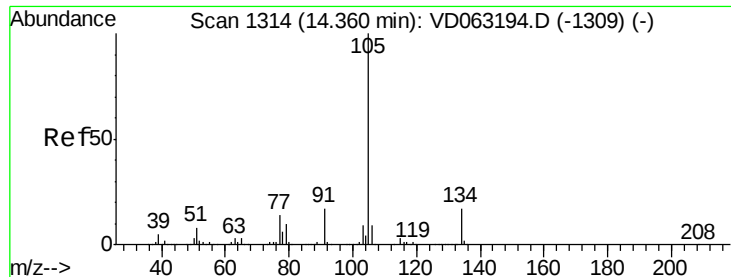
120 43.5 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 48.799 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

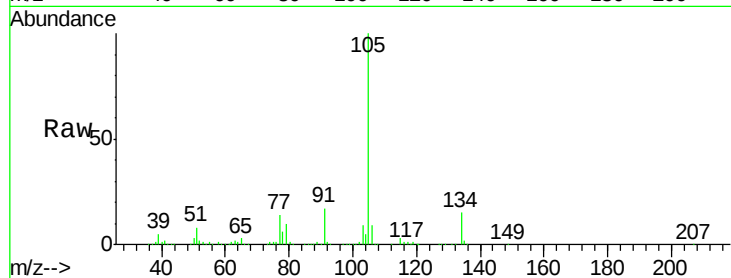
VSTDCCC050

Tot Ion:105 Resp: 1775463

Ion Ratio Lower Upper

105 100

134 15.3 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

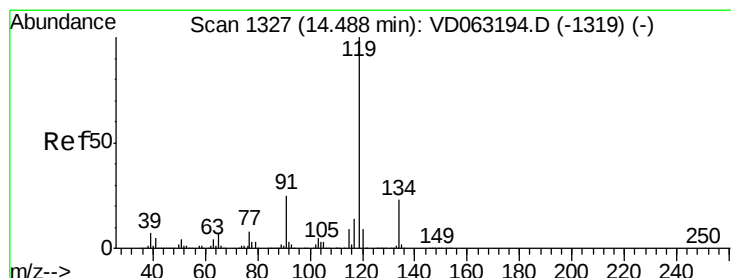
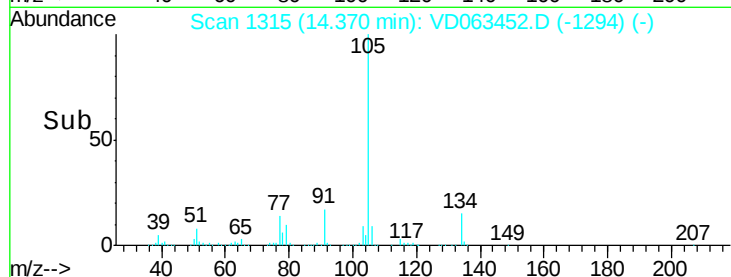
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.139 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

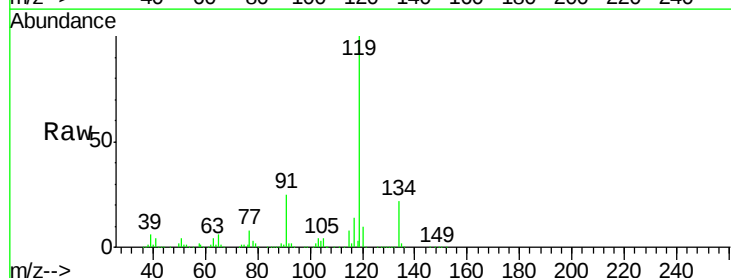
Tgt Ion:119 Resp: 1741136

Ion Ratio Lower Upper

119 100

134 21.9 11.5 34.5

91 25.2 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

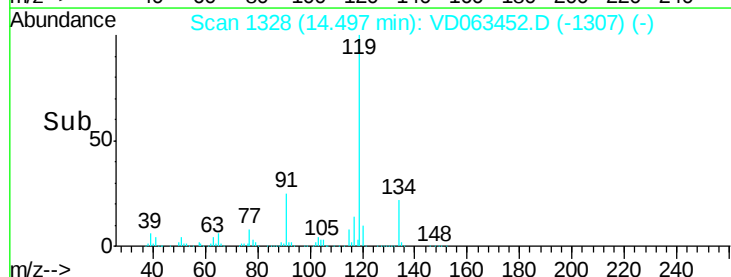
1500000

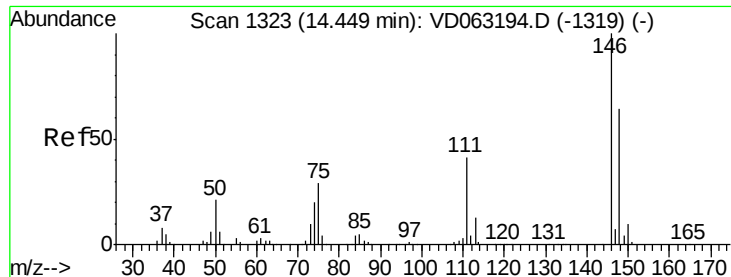
1000000

500000

0

Time-->

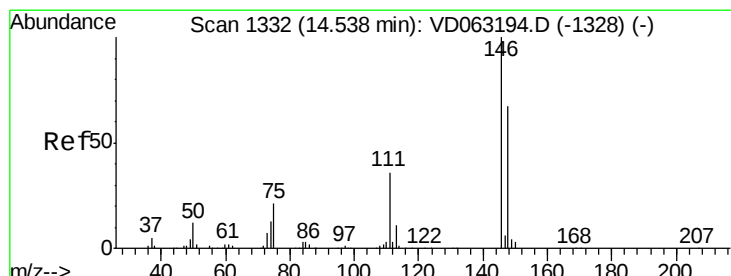
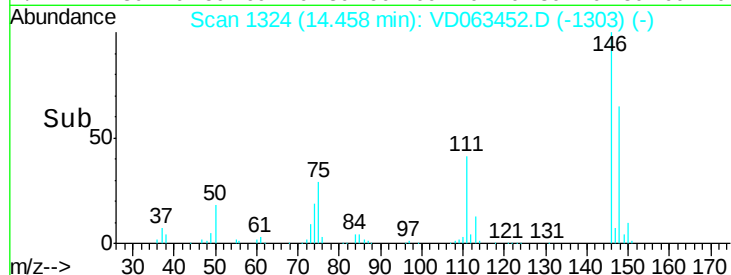
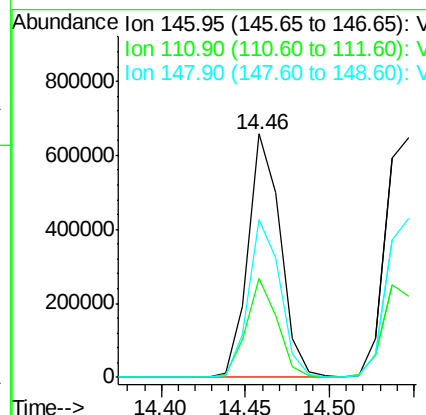
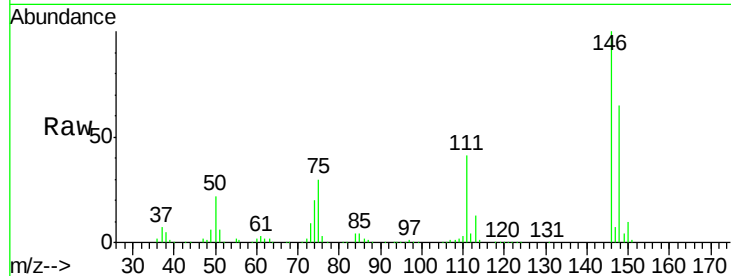




#87
 1,3-Dichlorobenzene
 Concen: 49.593 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

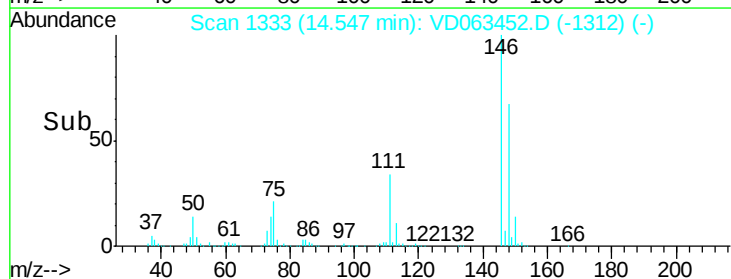
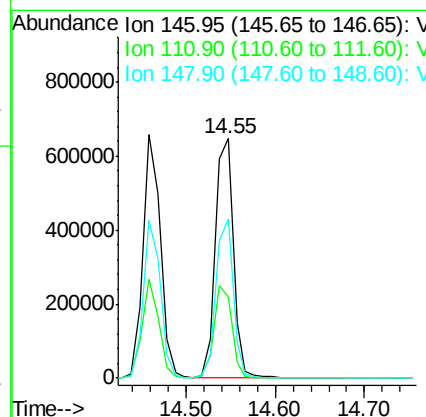
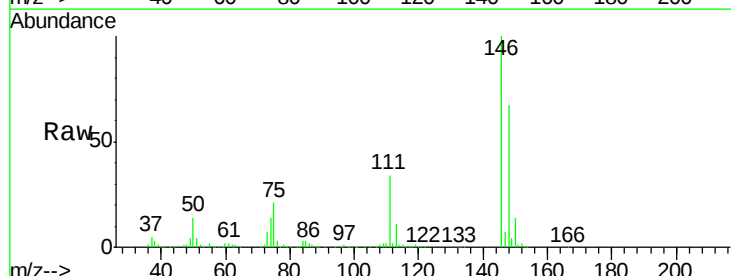
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

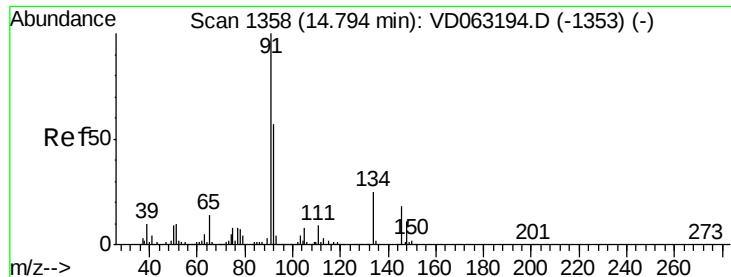
Tot Ion:146 Resp: 877295
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.4 61.3
 148 64.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.707 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

Tgt Ion:146 Resp: 907075
 Ion Ratio Lower Upper
 146 100
 111 33.8 18.1 54.3
 148 66.6 33.4 100.1





#89

n-Butylbenzene

Concen: 51.678 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

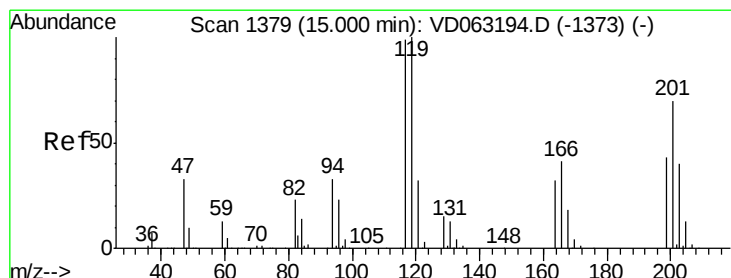
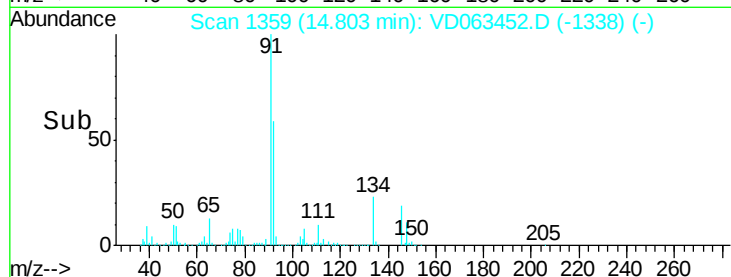
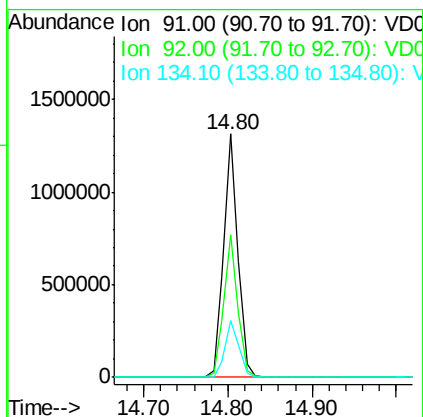
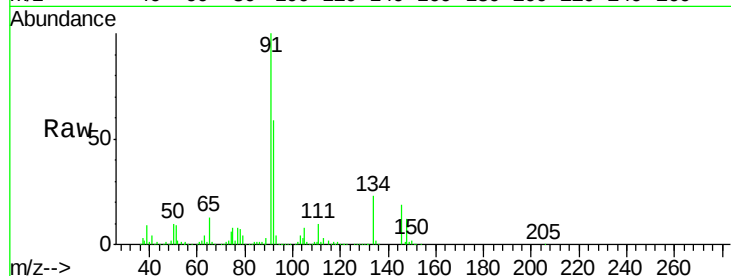
Tot Ion: 91 Resp: 1549936

Ion	Ratio	Lower	Upper
91	100		
92	58.6	28.3	85.0
134	23.4	12.3	36.8

91 100

92 58.6 28.3 85.0

134 23.4 12.3 36.8



#90

Hexachloroethane

Concen: 49.391 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063452.D

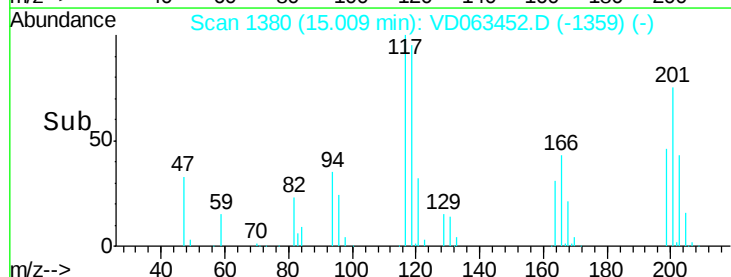
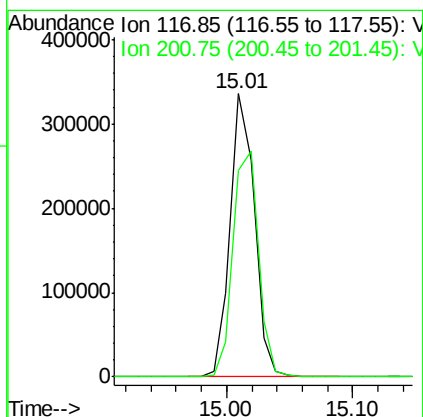
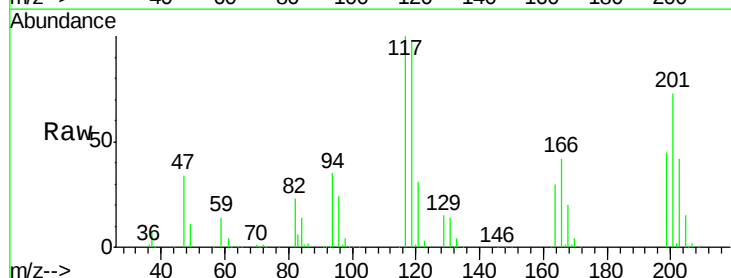
Acq: 8 Aug 2019 21:56

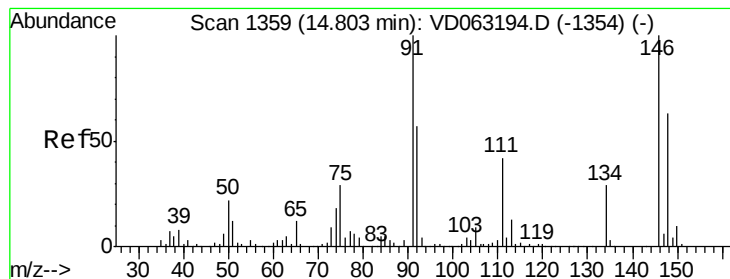
Tgt Ion: 117 Resp: 446859

Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.2	105.6

117 100

201 72.9 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 52.341 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

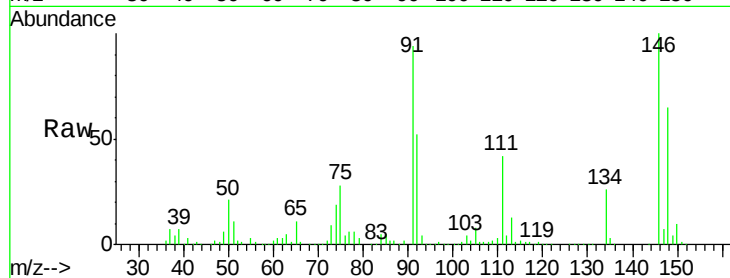
Tot Ion:146 Resp: 806735

Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.3

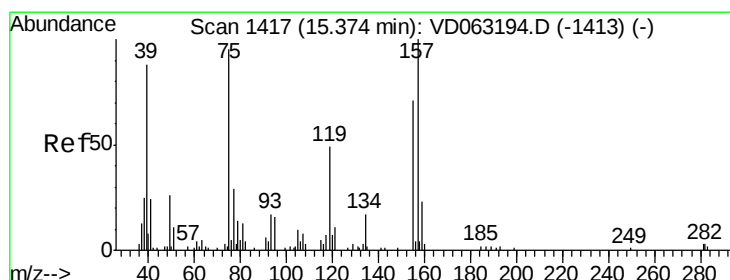
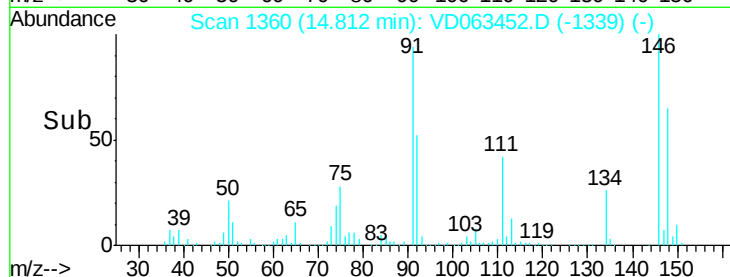
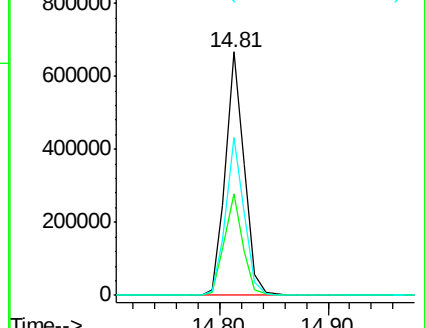
148 64.6 31.6 94.8



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: 56.194 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063452.D

Acq: 8 Aug 2019 21:56

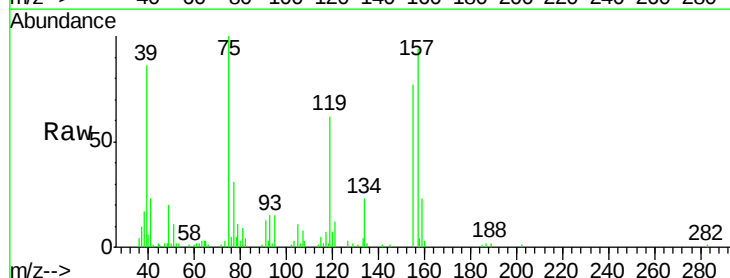
Tgt Ion: 75 Resp: 68179

Ion Ratio Lower Upper

75 100

155 76.6 37.0 111.0

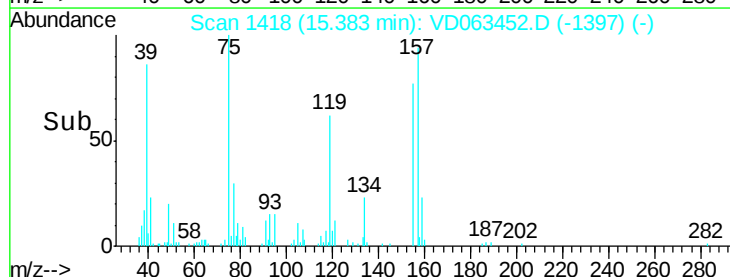
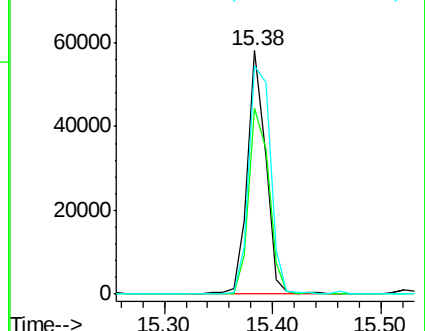
157 93.7 52.4 157.2

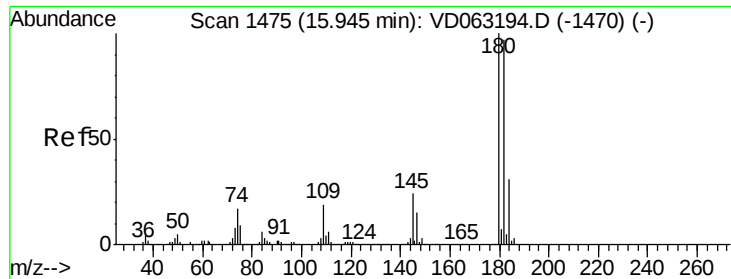


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

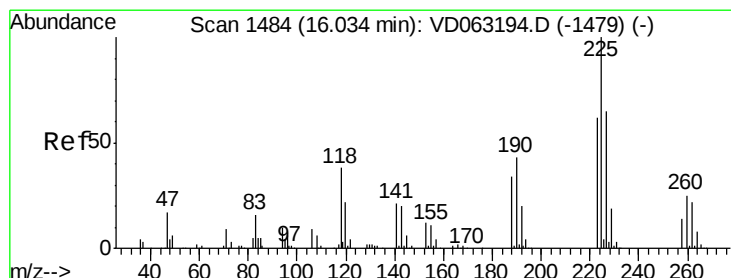
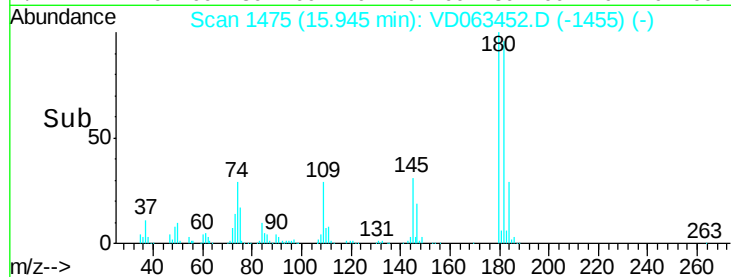
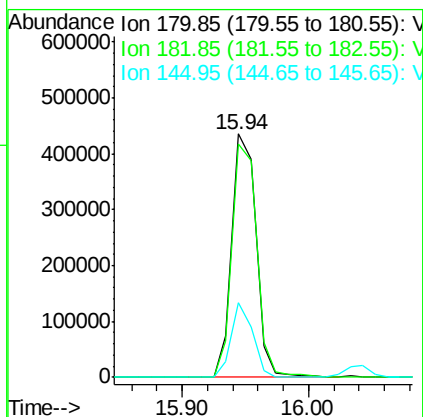
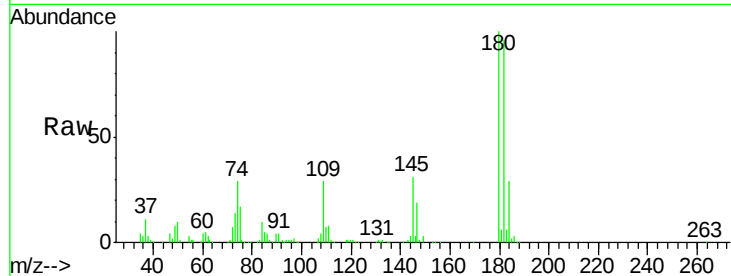




#93
 1,2,4-Trichlorobenzene
 Concen: 47.341 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

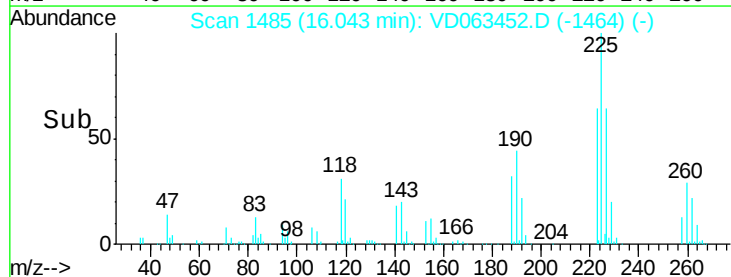
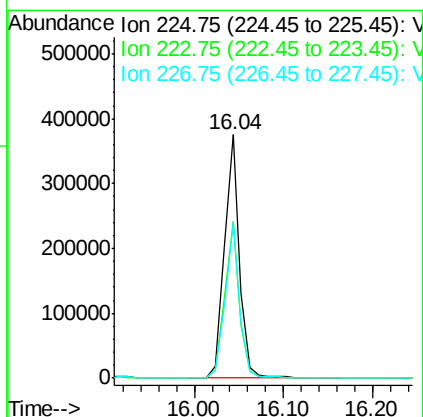
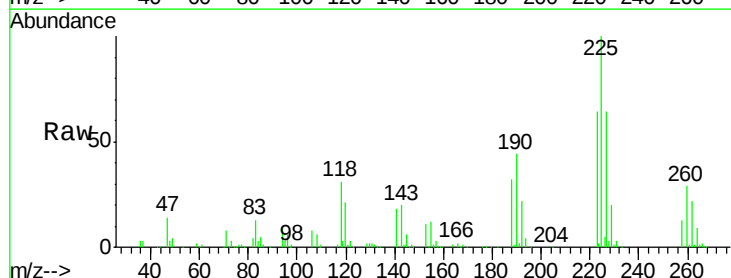
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 578847
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.6 145.8
 145 30.6 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 50.773 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063452.D
 Acq: 8 Aug 2019 21:56

Tgt Ion:225 Resp: 449886
 Ion Ratio Lower Upper
 225 100
 223 64.4 30.9 92.5
 227 64.0 32.6 97.7

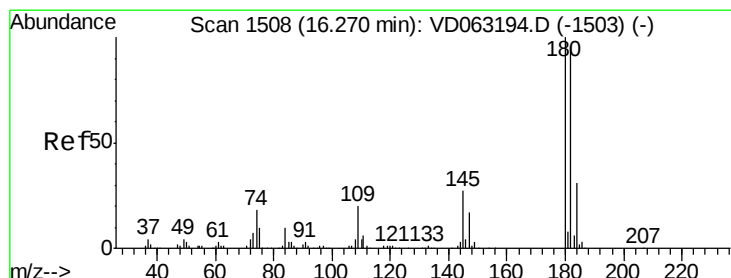
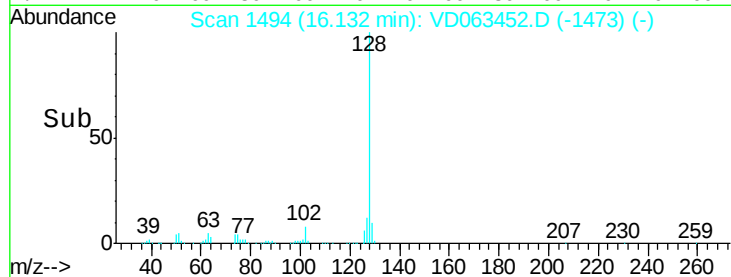
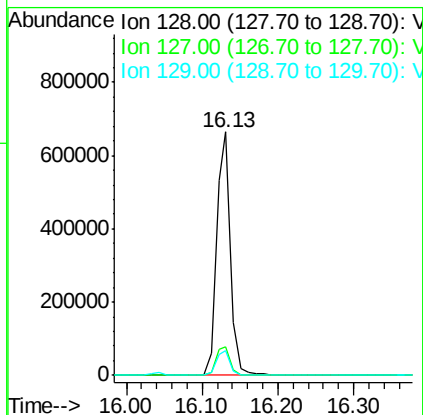
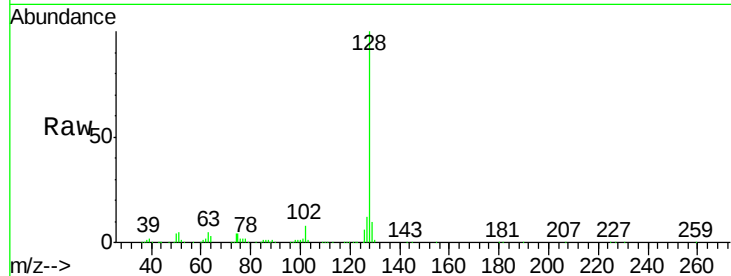




#95
Naphthalene
Concen: 49.730 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 859429
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 51.693 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD063452.D
Acq: 8 Aug 2019 21:56

Tgt Ion:180 Resp: 499323
Ion Ratio Lower Upper
180 100
182 104.3 48.3 144.9
145 29.1 13.6 40.7

