

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063351.D
 Acq On : 3 Aug 2019 8:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 04 03:46:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	852702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1169152	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1027490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	591635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	531619	56.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.38%	
35) Dibromofluoromethane	6.92	113	556961	55.80	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.60%	
50) Toluene-d8	10.41	98	1290406	57.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.52%	
62) 4-Bromofluorobenzene	13.55	95	544594	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	516252	49.529	ug/l	99
3) Chloromethane	1.74	50	412042	50.881	ug/l	94
4) Vinyl Chloride	1.84	62	431965	51.526	ug/l	99
5) Bromomethane	2.15	94	238916	56.506	ug/l	99
6) Chloroethane	2.27	64	200411	51.778	ug/l	95
7) Trichlorofluoromethane	2.52	101	887385	54.562	ug/l	98
8) Diethyl Ether	2.87	74	119562	52.528	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	517691	57.463	ug/l	97
10) Methyl Iodide	3.30	142	706168	54.259	ug/l	96
11) Tert butyl alcohol	4.08	59	108560	261.453	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	365685	55.291	ug/l	90
13) Acrolein	3.02	56	77671	194.368	ug/l	100
14) Allyl chloride	3.62	41	566198	53.739	ug/l	90
15) Acrylonitrile	4.20	53	308396	286.484	ug/l	93
16) Acetone	3.22	43	456000	247.358	ug/l	97
17) Carbon Disulfide	3.37	76	1086996	49.102	ug/l	99
18) Methyl Acetate	3.63	43	232981	65.795	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	856539	57.333	ug/l	99
20) Methylene Chloride	3.81	84	388484	52.135	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	402028	54.174	ug/l	94
22) Diisopropyl ether	5.12	45	1192685	56.659	ug/l	100
23) Vinyl Acetate	5.05	43	3521605	272.159	ug/l	100
24) 1,1-Dichloroethane	4.98	63	797692	59.327	ug/l	100
25) 2-Butanone	6.07	43	521383	281.815	ug/l #	88
26) 2,2-Dichloropropane	6.02	77	700165	50.530	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	466320	58.609	ug/l	89
28) Bromochloromethane	6.43	49	301014	56.189	ug/l #	93
29) Tetrahydrofuran	6.46	42	238150	271.885	ug/l	98
30) Chloroform	6.66	83	1007005	60.349	ug/l	98
31) Cyclohexane	6.94	56	415785	49.334	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	969948	60.095	ug/l	97
36) 1,1-Dichloropropene	7.14	75	589844	55.281	ug/l	98
37) Ethyl Acetate	6.18	43	258916	54.013	ug/l	96
38) Carbon Tetrachloride	7.11	117	974240	60.650	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	477407	53.702	ug/l	98
40) Benzene	7.45	78	1293816	57.857	ug/l	97
41) Methacrylonitrile	6.44	41	348093	60.706	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	724810	61.157	ug/l	100
43) Isopropyl Acetate	9.24	43	357533	58.389	ug/l	95
44) Trichloroethene	8.54	130	508328	56.098	ug/l	88
45) 1,2-Dichloropropane	8.94	63	303106	53.327	ug/l	97
46) Dibromomethane	9.06	93	281327	59.526	ug/l	96
47) Bromodichloromethane	9.37	83	718654	59.653	ug/l	98
48) Methyl methacrylate	9.12	41	246605	62.096	ug/l	95
49) 1,4-Dioxane	9.08	88	40585	1207.240	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	1295089	310.993	ug/l	99
52) Toluene	10.51	92	871586	58.601	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	571922	55.064	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	616273	56.457	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	311936	62.099	ug/l	95
56) Ethyl methacrylate	11.04	69	360031	65.454	ug/l	95
57) 1,3-Dichloropropane	11.40	76	493049	62.297	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	692767	242.045	ug/l	97
59) 2-Hexanone	11.53	43	903942	301.212	ug/l	98
60) Dibromochloromethane	11.68	129	585951	61.790	ug/l	99
61) 1,2-Dibromoethane	11.81	107	390763	63.043	ug/l	97
64) Tetrachloroethene	11.25	164	515578	62.986	ug/l	98
65) Chlorobenzene	12.40	112	1063092	53.791	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	524976	60.304	ug/l	93
67) Ethyl Benzene	12.52	91	1942247	57.851	ug/l	99
68) m/p-Xylenes	12.66	106	1316894	106.957	ug/l	92
69) o-Xylene	13.05	106	685220	60.604	ug/l	95
70) Styrene	13.07	104	1167479	58.225	ug/l	94
71) Bromoform	13.23	173	385418	60.880	ug/l	99
73) Isopropylbenzene	13.40	105	2053217	55.294	ug/l	99
74) N-amyl acetate	13.26	43	499322	50.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	354585	56.216	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	390924	55.011	ug/l	97
77) Bromobenzene	13.67	156	578508	54.690	ug/l	94
78) n-propylbenzene	13.77	91	2344503	53.056	ug/l	100
79) 2-Chlorotoluene	13.83	91	1323340	51.684	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	1657112	51.741	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	98192	49.761	ug/l	93
82) 4-Chlorotoluene	13.94	91	1634523	54.243	ug/l	92
83) tert-Butylbenzene	14.19	119	1773094	48.487	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1706041	51.500	ug/l	99
85) sec-Butylbenzene	14.37	105	2027347	52.620	ug/l	99
86) p-Isopropyltoluene	14.48	119	1833963	49.872	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	990376	52.868	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	998672	52.720	ug/l	95
89) n-Butylbenzene	14.80	91	1752115	55.166	ug/l	97
90) Hexachloroethane	15.01	117	492257	51.380	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	936946	57.405	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	72004	56.043	ug/l	82

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

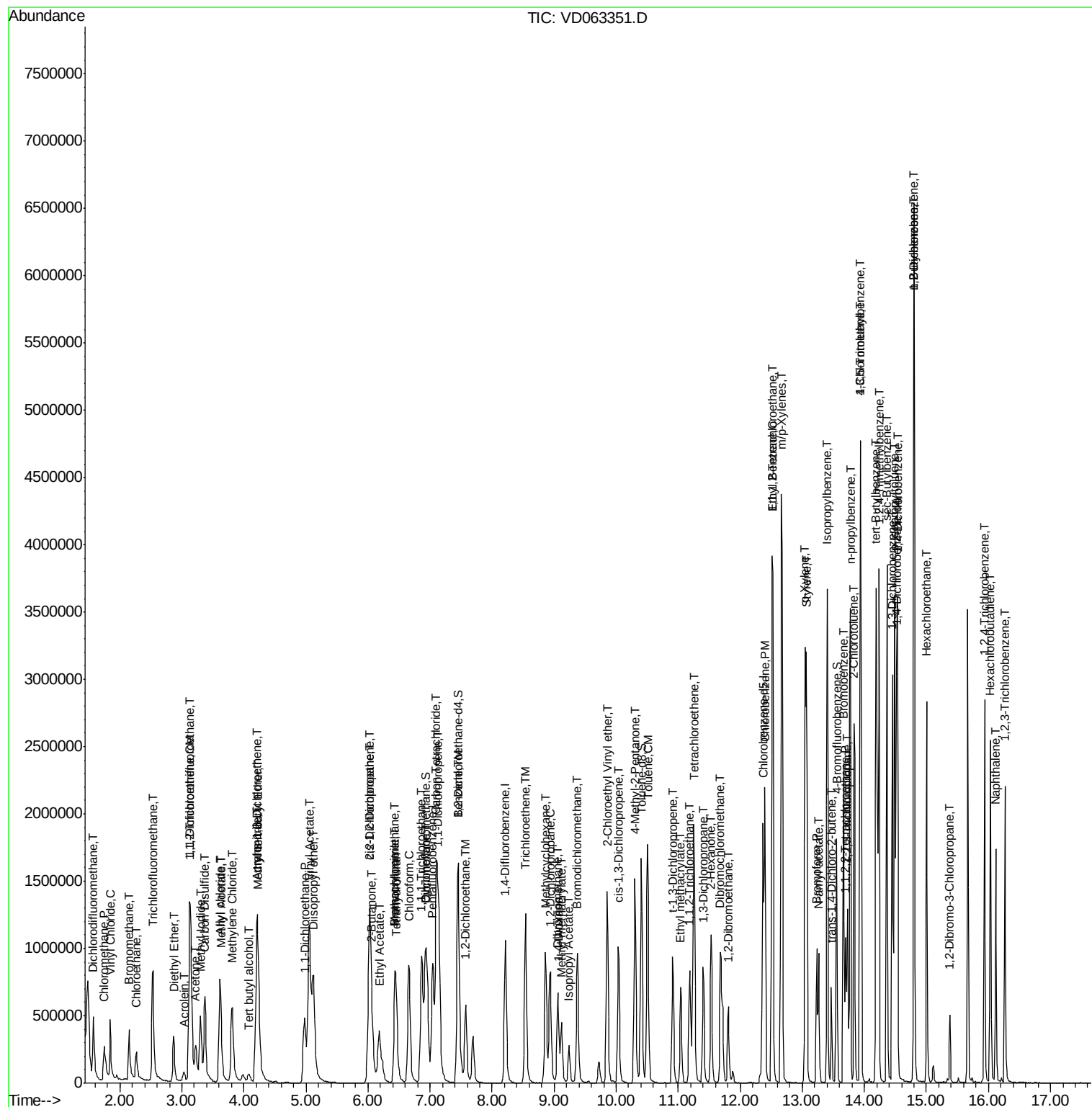
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	637828	49.261	ug/l	98
94) Hexachlorobutadiene	16.04	225	467222	49.794	ug/l	98
95) Naphthalene	16.12	128	993063	54.264	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	537965	52.593	ug/l	97

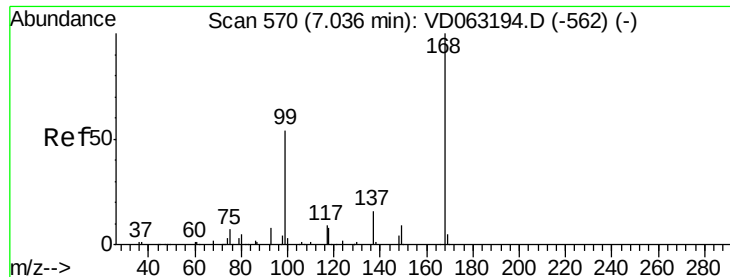
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

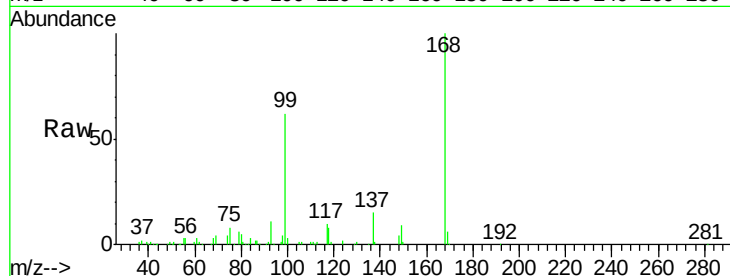
VSTDCCC050EC

Tot Ion:168 Resp: 852702

Ion Ratio Lower Upper

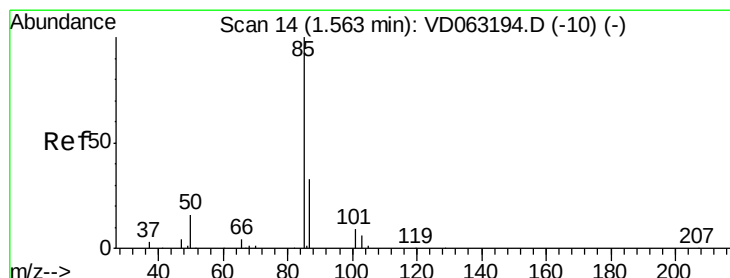
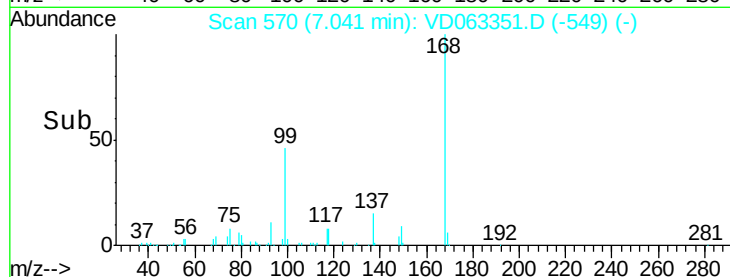
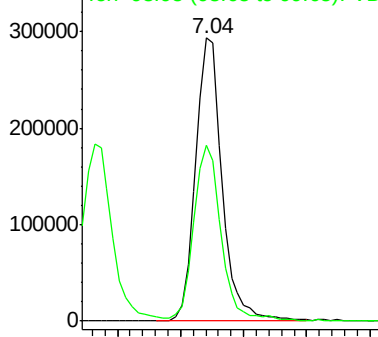
168 100

99 62.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.529 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063351.D

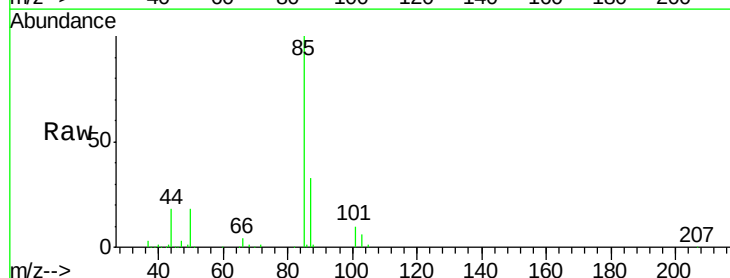
Acq: 3 Aug 2019 8:42

Tgt Ion: 85 Resp: 516252

Ion Ratio Lower Upper

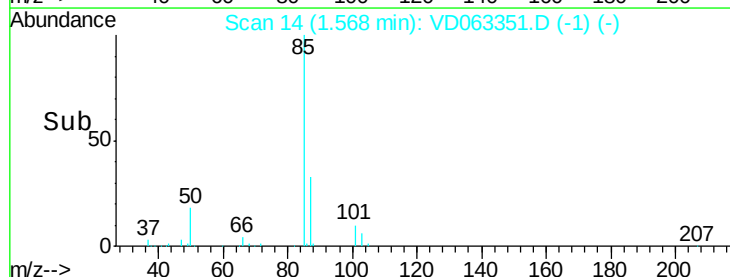
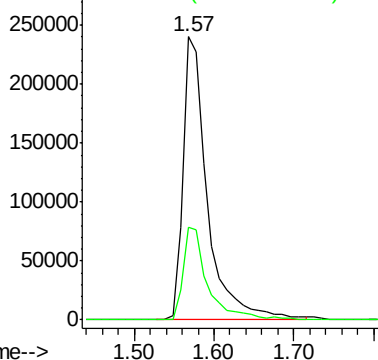
85 100

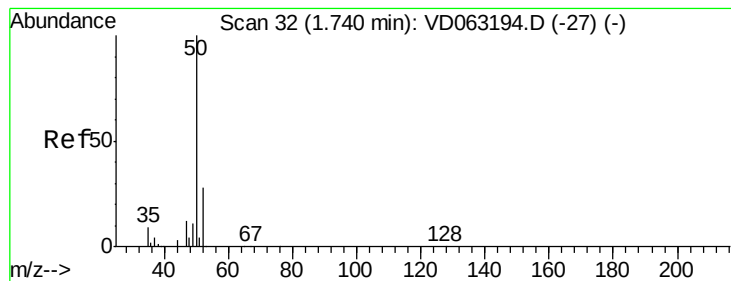
87 32.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.881 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

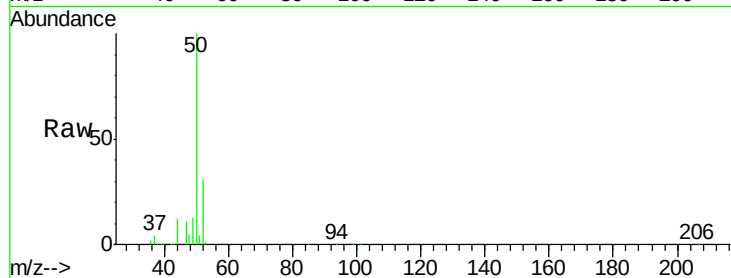
VSTDCCC050EC

Tot Ion: 50 Resp: 412042

Ion Ratio Lower Upper

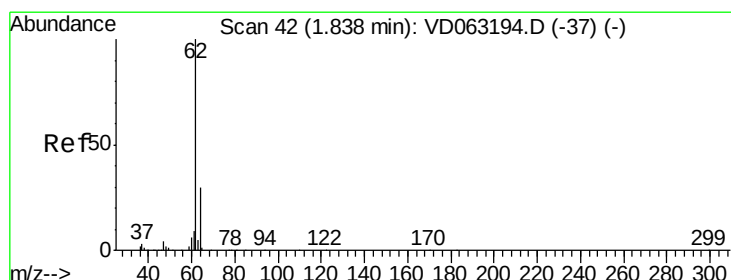
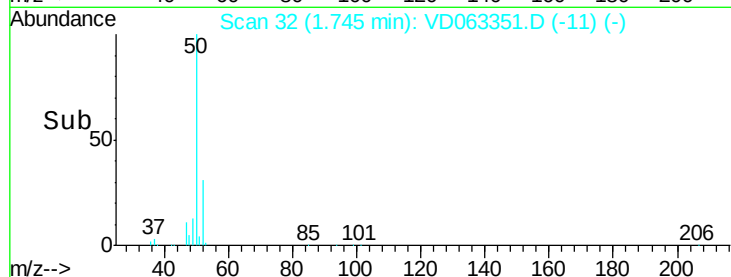
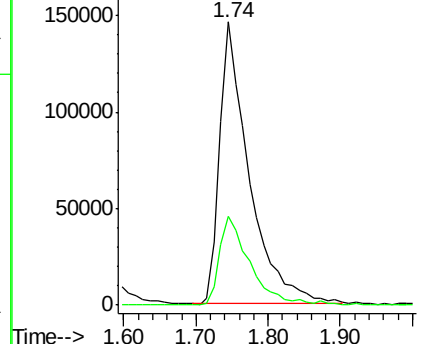
50 100

52 31.3 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.526 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063351.D

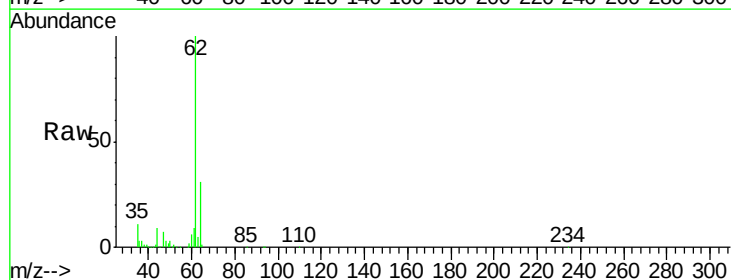
Acq: 3 Aug 2019 8:42

Tgt Ion: 62 Resp: 431965

Ion Ratio Lower Upper

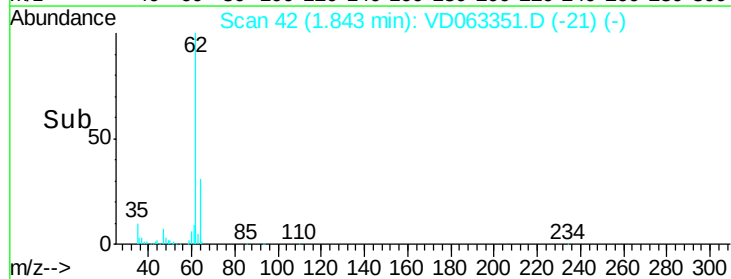
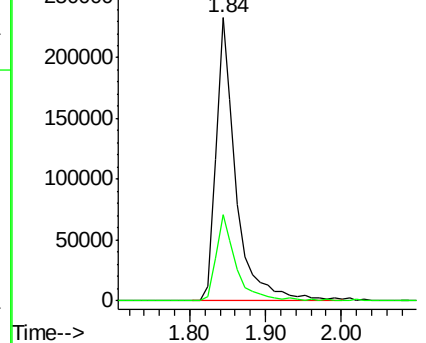
62 100

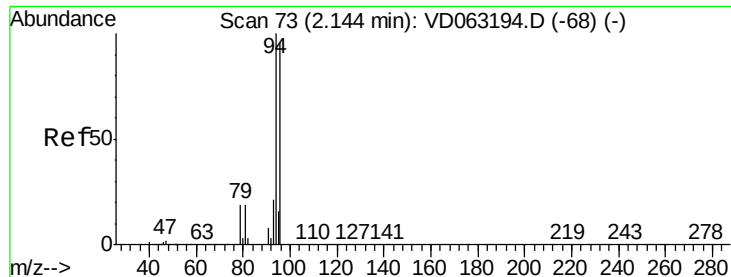
64 30.5 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 56.506 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

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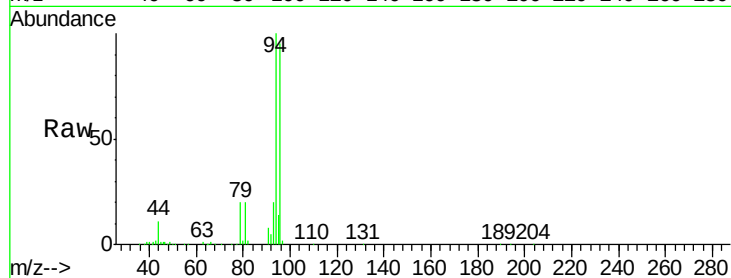
Tot Ion: 94 Resp: 238916

Ion Ratio Lower Upper

94 100

96 95.1 76.4 114.6

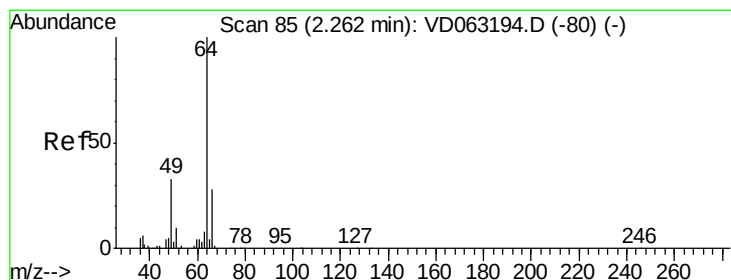
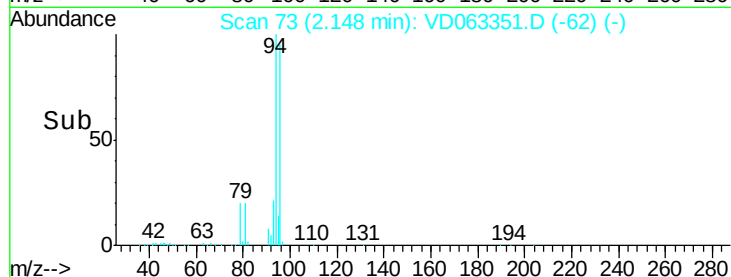
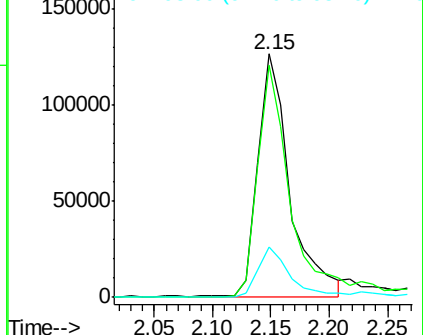
93 20.5 17.3 25.9



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: 51.778 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063351.D

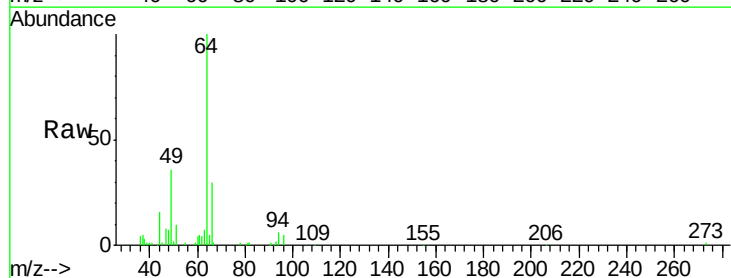
Acq: 3 Aug 2019 8:42

Tgt Ion: 64 Resp: 200411

Ion Ratio Lower Upper

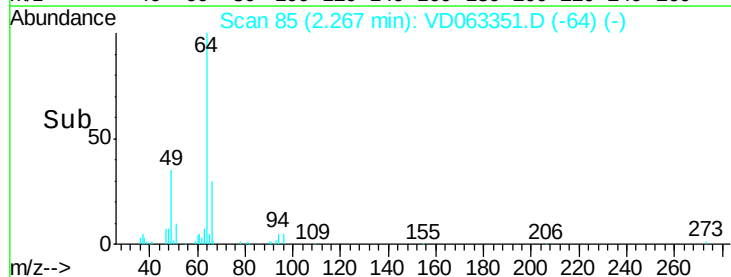
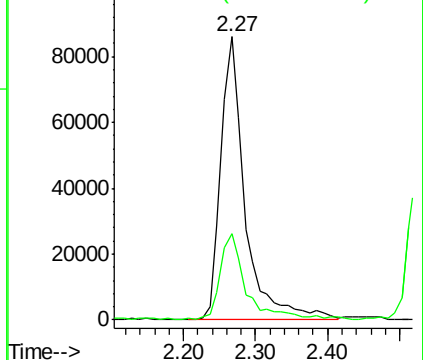
64 100

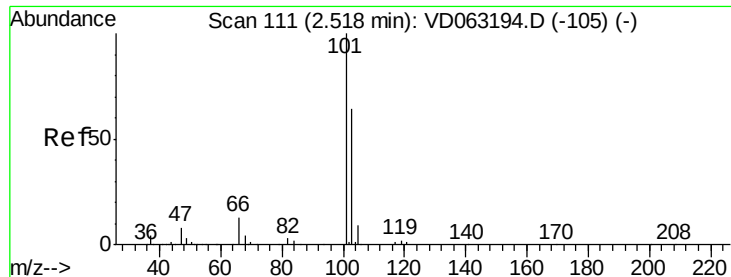
66 30.5 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 54.562 ug/l

RT: 2.52 min Scan# 111

Delta R.T. 0.00 min

Lab File: VD063351.D

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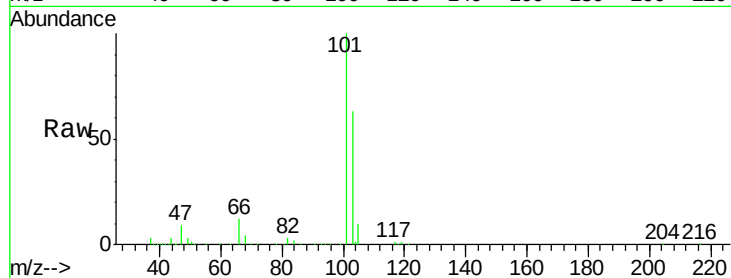
VSTDCCC050EC

Tot Ion:101 Resp: 887385

Ion Ratio Lower Upper

101 100

103 63.2 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.52

400000

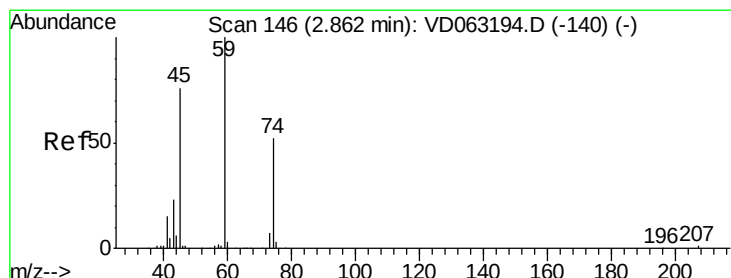
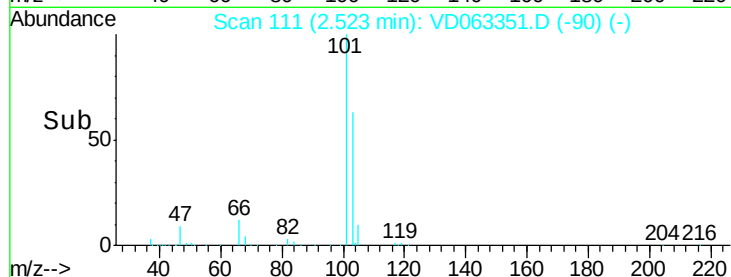
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 52.528 ug/l

RT: 2.87 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063351.D

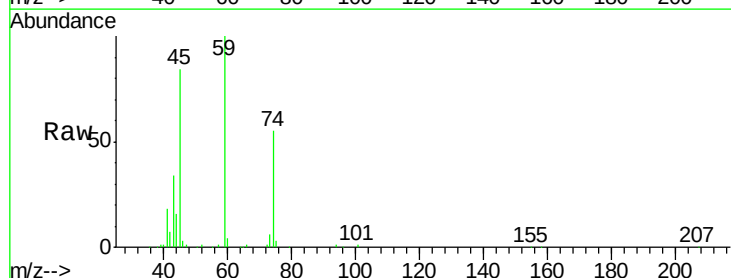
Acq: 3 Aug 2019 8:42

Tgt Ion: 74 Resp: 119562

Ion Ratio Lower Upper

74 100

45 151.7 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

100000

80000

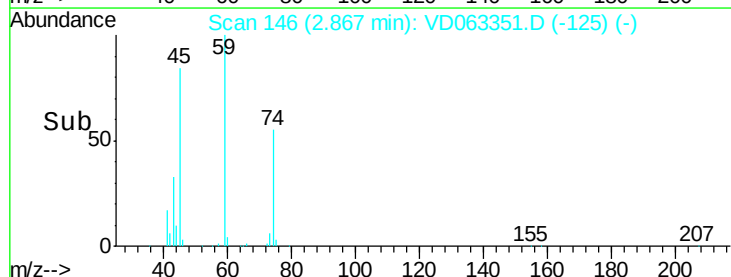
60000

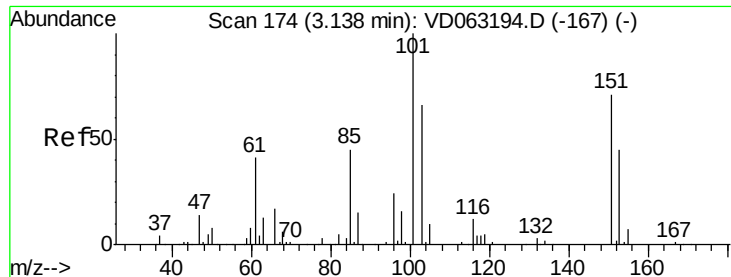
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.463 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

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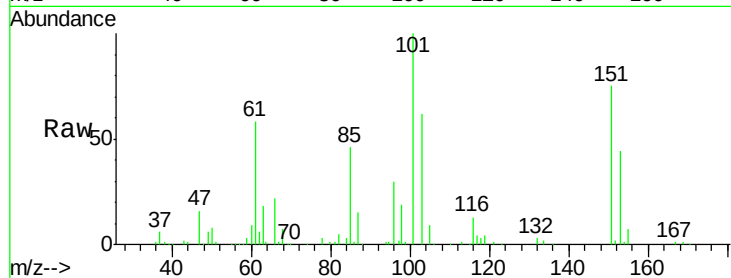
Tot Ion:101 Resp: 517691

Ion Ratio Lower Upper

101 100

85 45.8 36.1 54.1

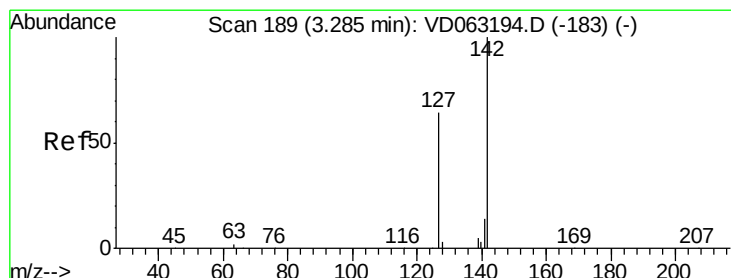
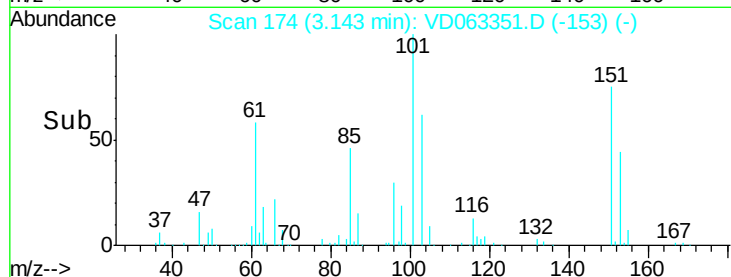
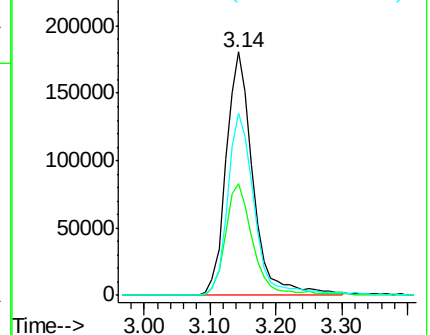
151 74.6 57.1 85.7



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: 54.259 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

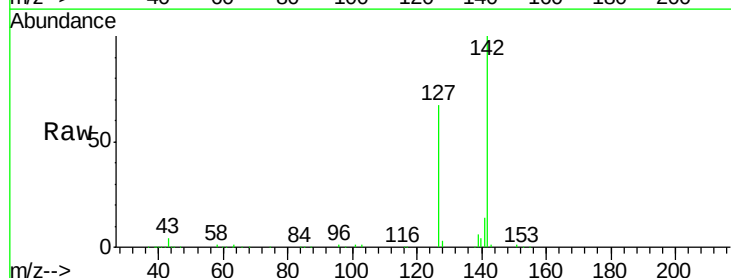
Tgt Ion:142 Resp: 706168

Ion Ratio Lower Upper

142 100

127 66.7 50.8 76.2

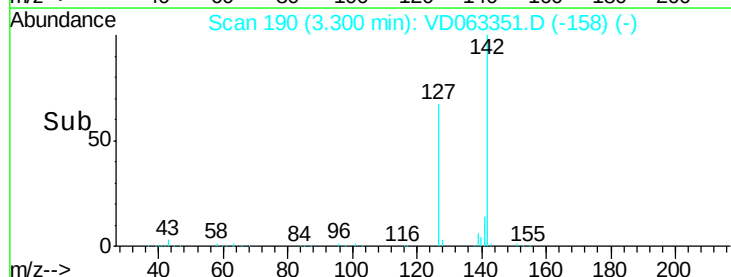
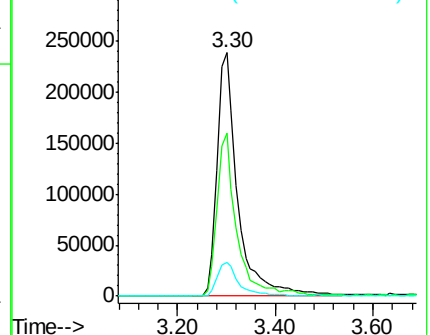
141 13.8 11.4 17.2

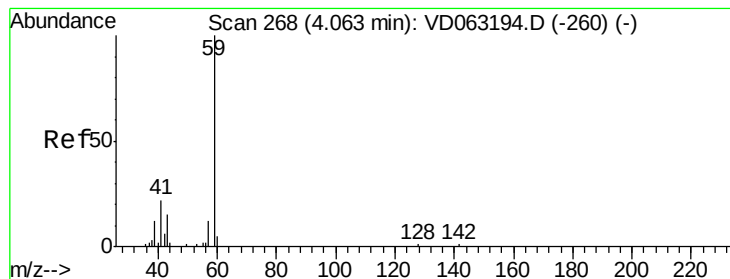


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 261.453 ug/l

RT: 4.08 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

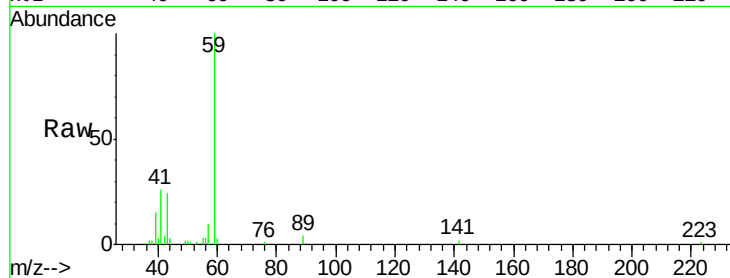
VSTDCCC050EC

Tot Ion: 59 Resp: 108560

Ion Ratio Lower Upper

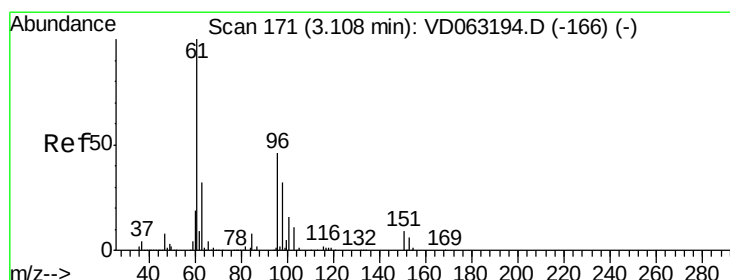
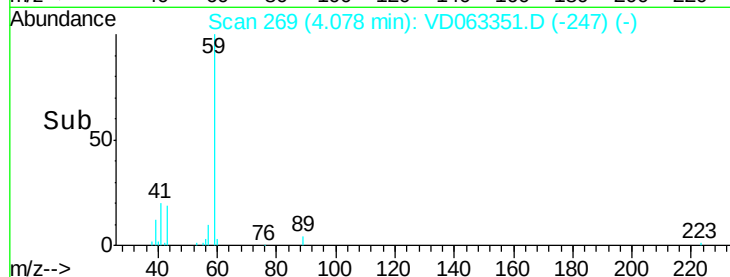
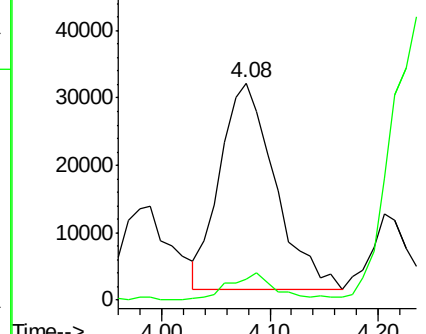
59 100

57 9.6 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: 55.291 ug/l

RT: 3.12 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

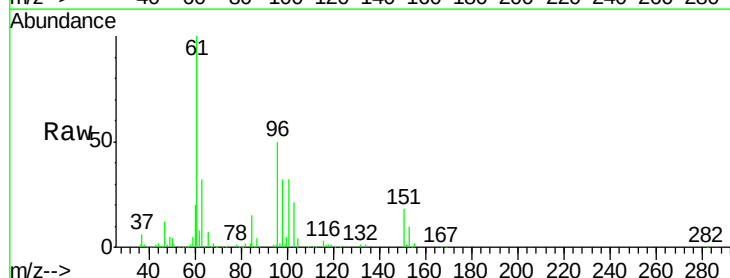
Tgt Ion: 96 Resp: 365685

Ion Ratio Lower Upper

96 100

61 199.3 173.7 260.5

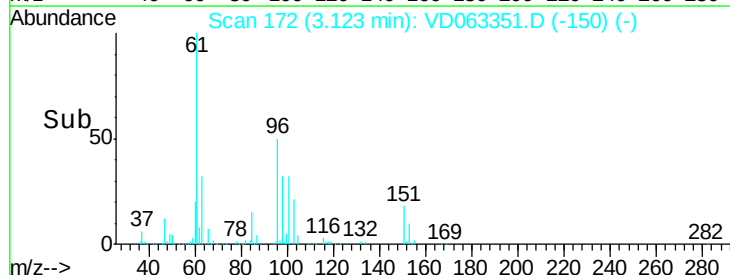
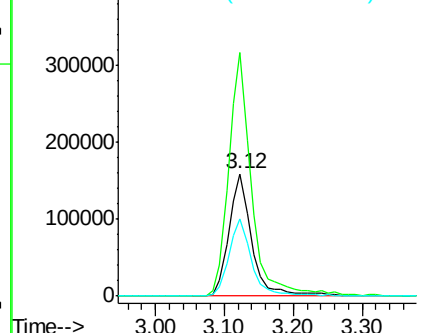
98 63.0 55.8 83.8

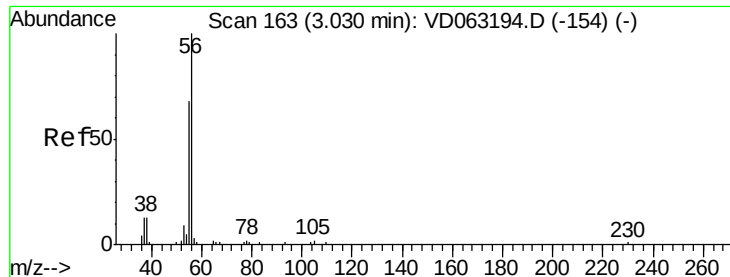


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 194.368 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

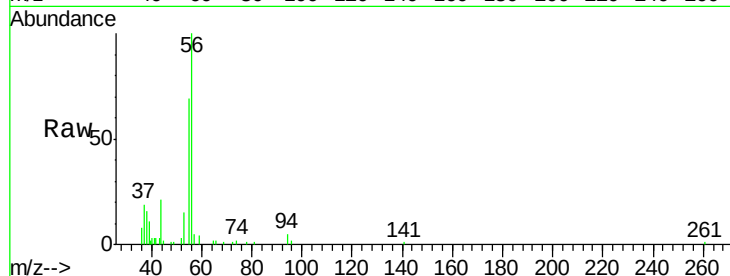
VSTDCCC050EC

Tot Ion: 56 Resp: 77671

Ion Ratio Lower Upper

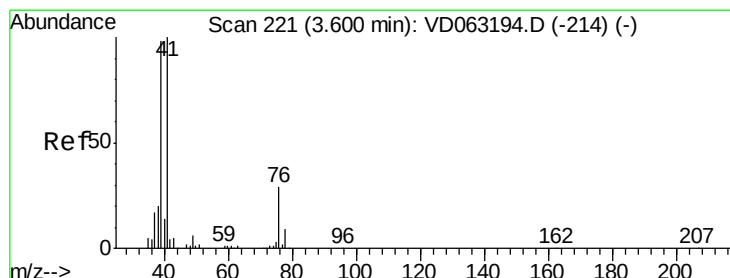
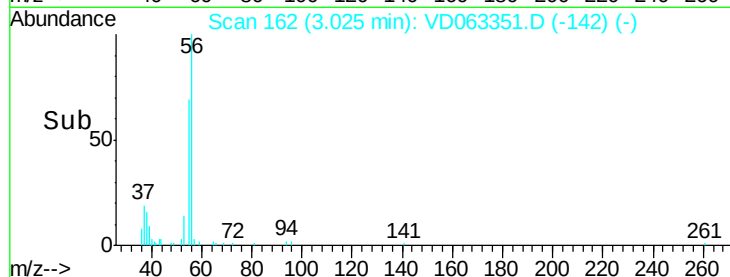
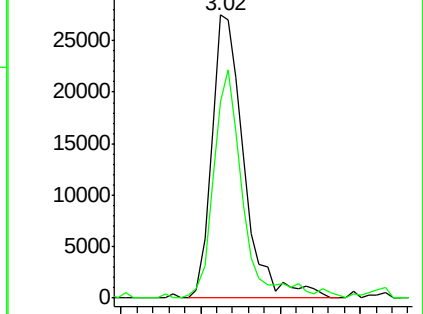
56 100

55 69.3 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: 53.739 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

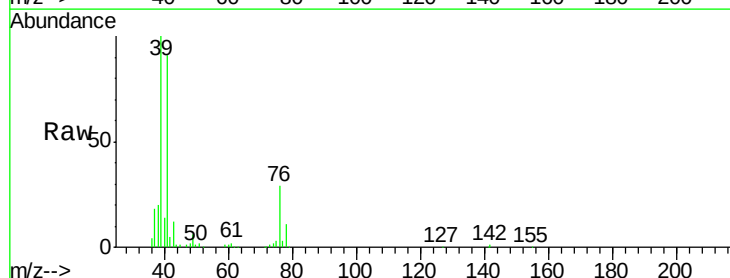
Tgt Ion: 41 Resp: 566198

Ion Ratio Lower Upper

41 100

39 110.0 78.6 117.8

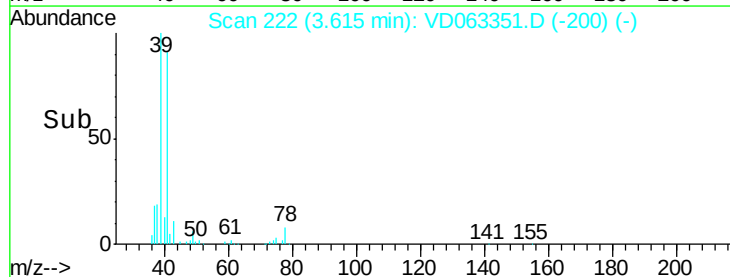
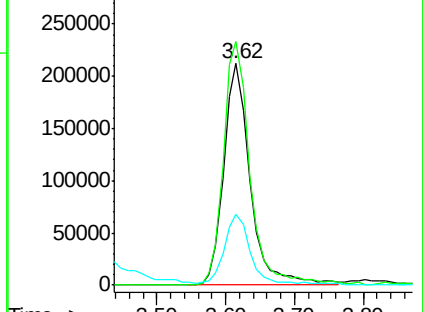
76 31.8 24.5 36.7

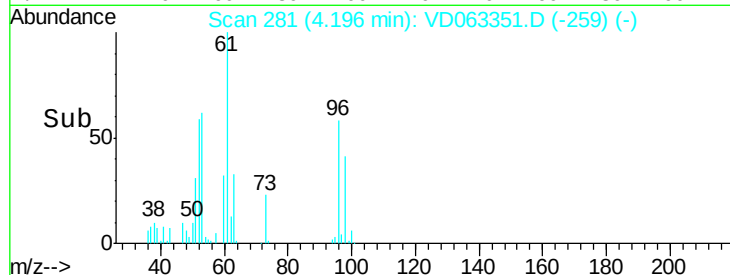
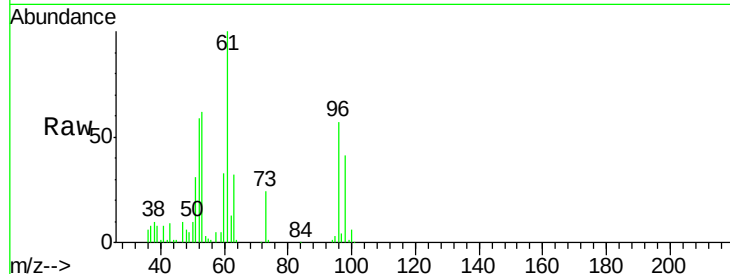
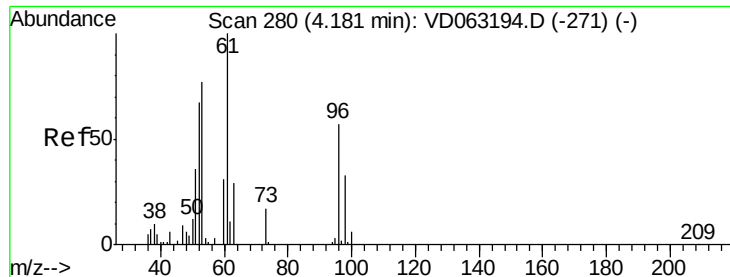


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

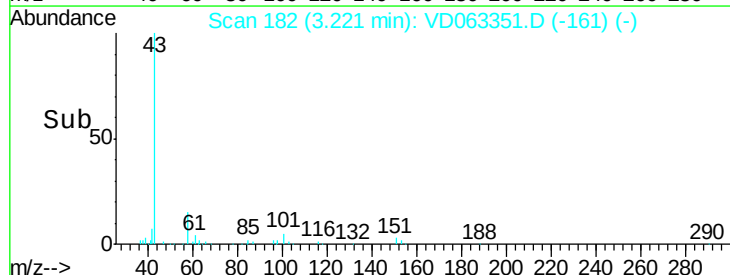
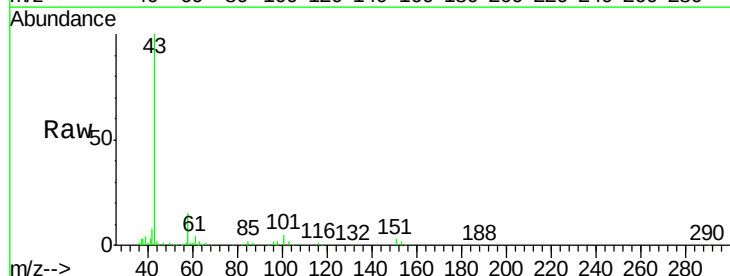
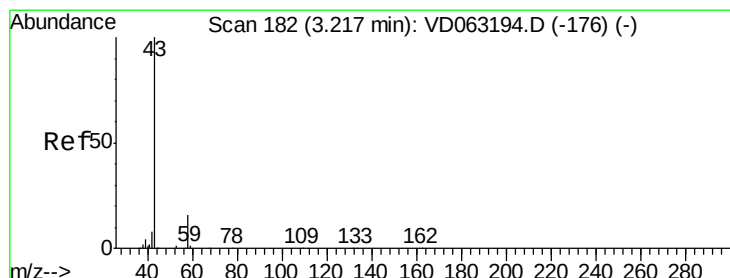
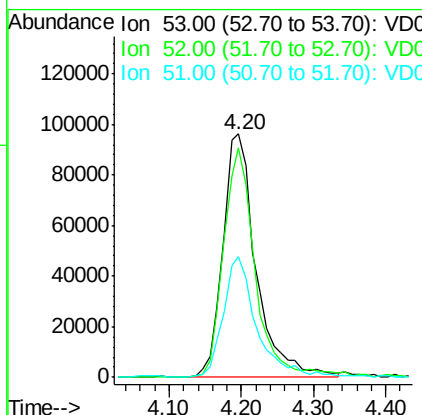




#15
 Acrylonitrile
 Concen: 286.484 ug/l
 RT: 4.20 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

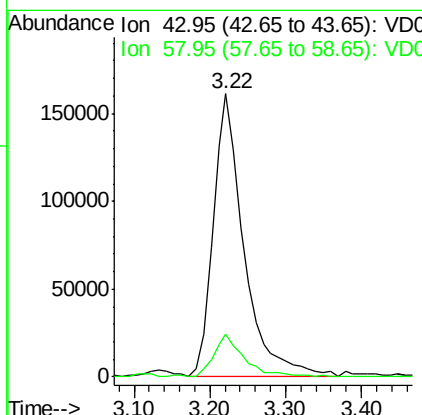
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

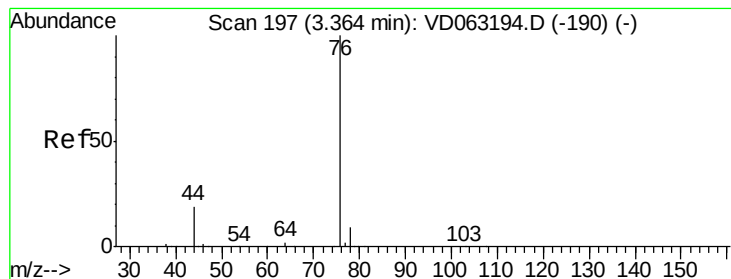
Tot Ion: 53 Resp: 308396
 Ion Ratio Lower Upper
 53 100
 52 94.4 69.7 104.5
 51 49.7 37.4 56.0



#16
 Acetone
 Concen: 247.358 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 43 Resp: 456000
 Ion Ratio Lower Upper
 43 100
 58 15.1 13.0 19.4





#17

Carbon Disulfide

Concen: 49.102 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

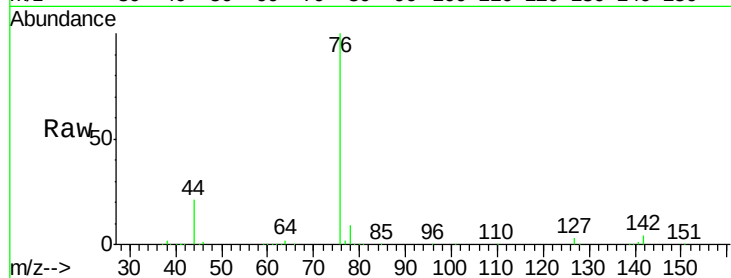
VSTDCCC050EC

Tot Ion: 76 Resp: 1086996

Ion Ratio Lower Upper

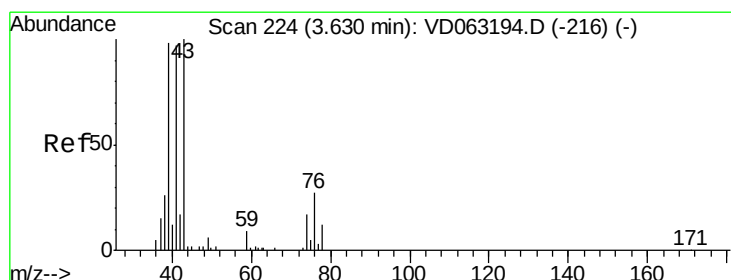
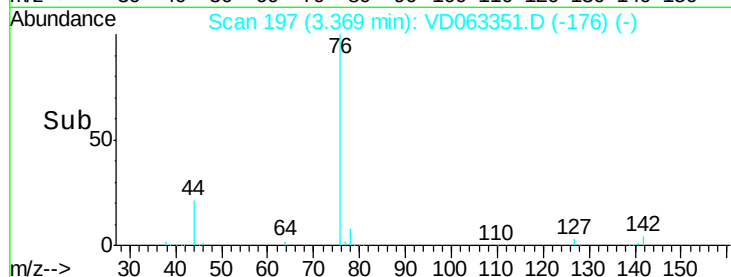
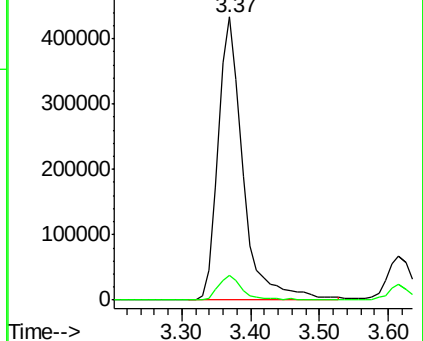
76 100

78 8.9 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: 65.795 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063351.D

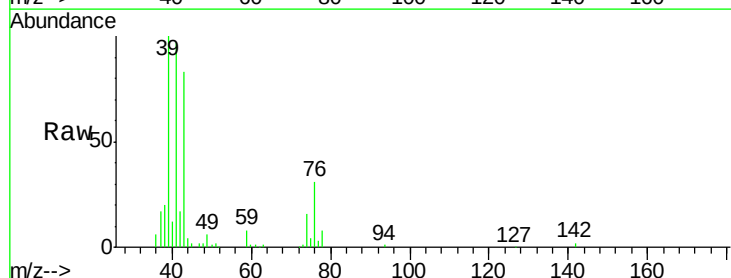
Acq: 3 Aug 2019 8:42

Tgt Ion: 43 Resp: 232981

Ion Ratio Lower Upper

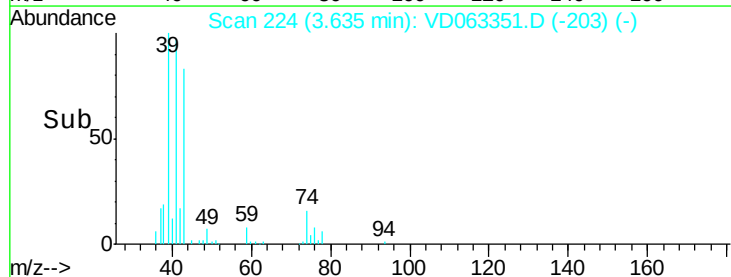
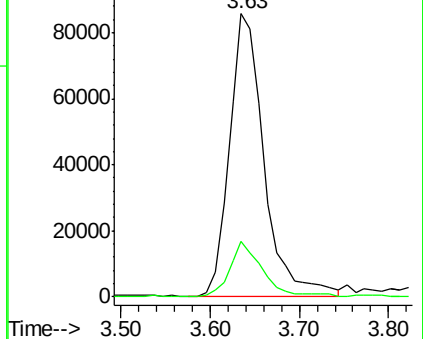
43 100

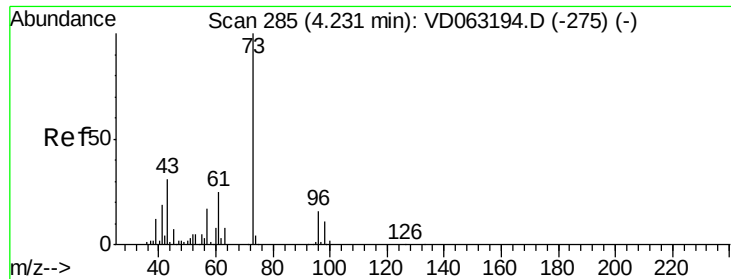
74 19.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

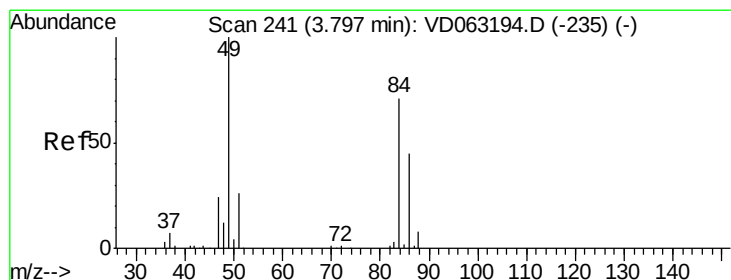
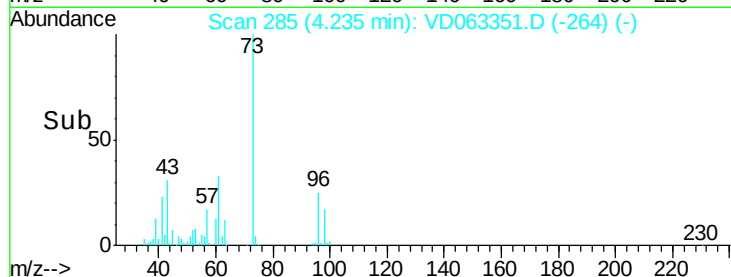
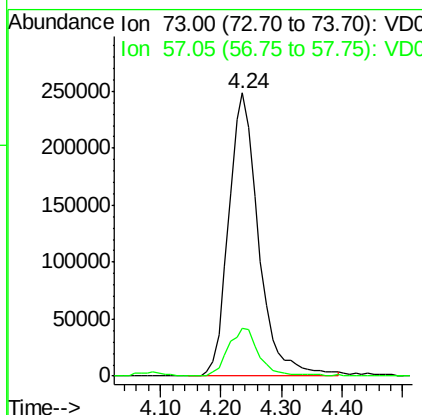
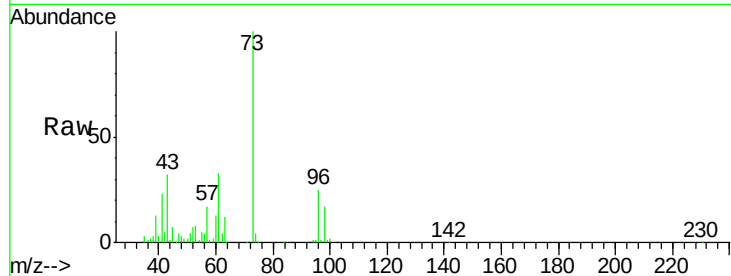




#19
Methyl tert-butyl Ether
Concen: 57.333 ug/l
RT: 4.24 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

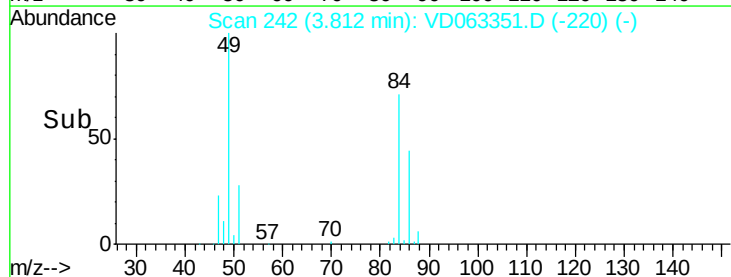
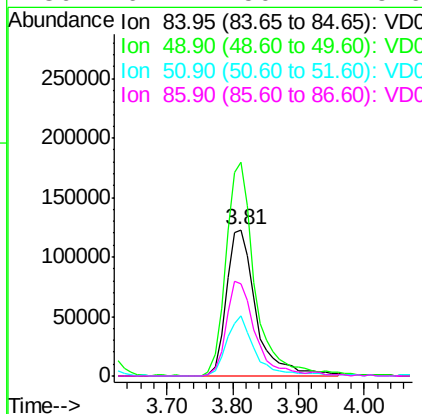
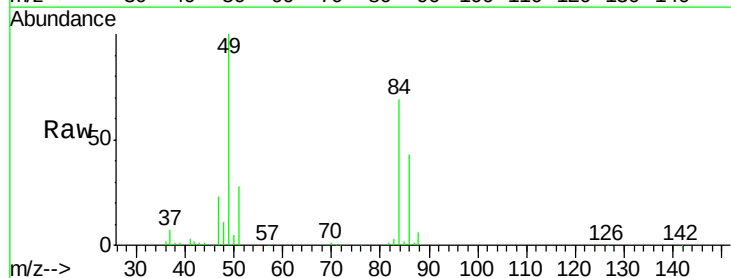
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

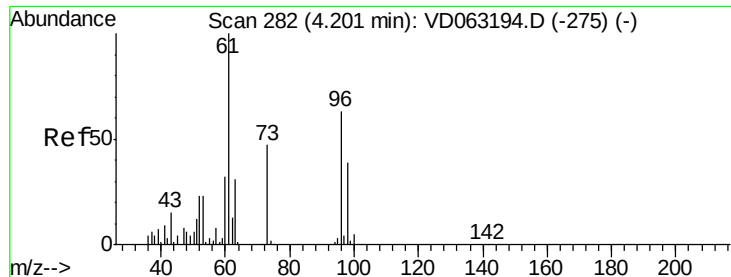
Tot Ion: 73 Resp: 856539
Ion Ratio Lower Upper
73 100
57 16.9 13.8 20.6



#20
Methylene Chloride
Concen: 52.135 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 84 Resp: 388484
Ion Ratio Lower Upper
84 100
49 146.0 112.5 168.7
51 41.0 29.6 44.4
86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 54.174 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

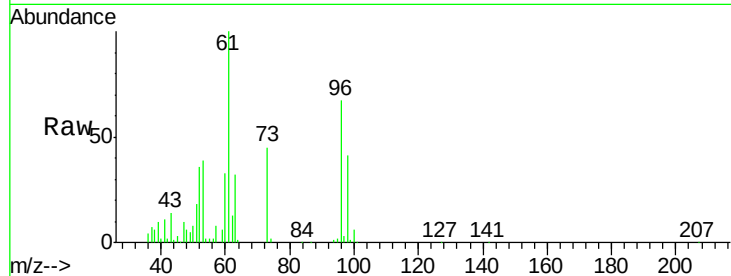
Tot Ion: 96 Resp: 402028

Ion Ratio Lower Upper

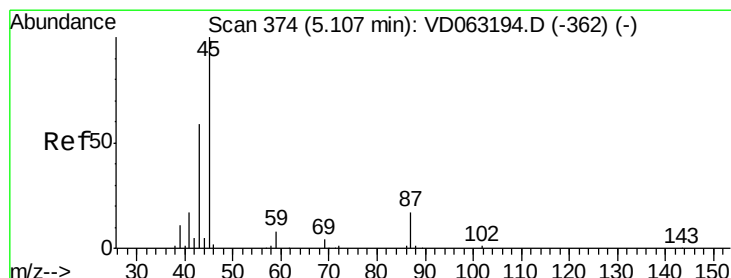
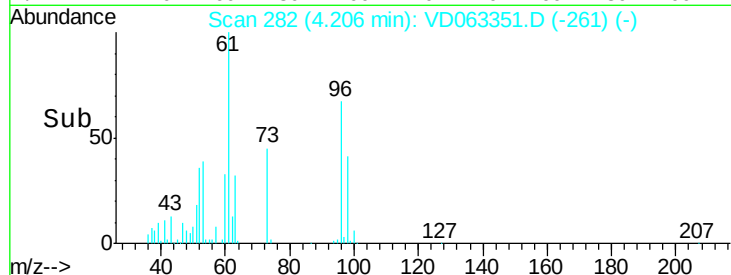
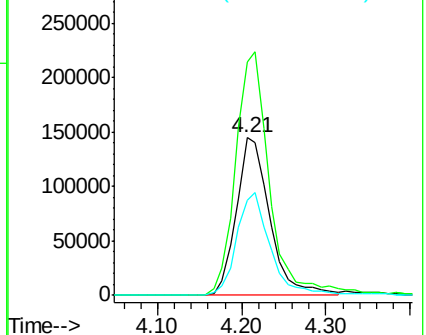
96 100

61 148.2 127.4 191.2

98 60.7 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: 56.659 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Tgt Ion: 45 Resp: 1192685

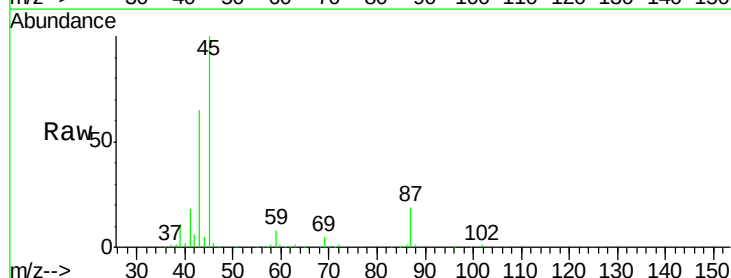
Ion Ratio Lower Upper

45 100

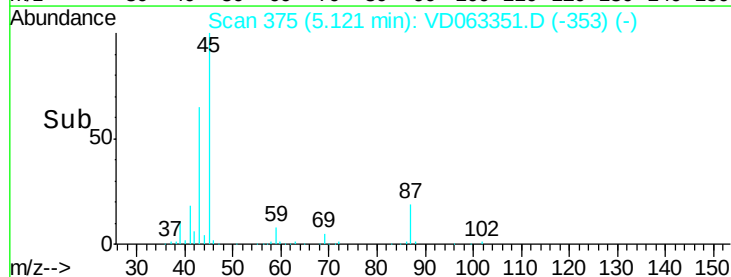
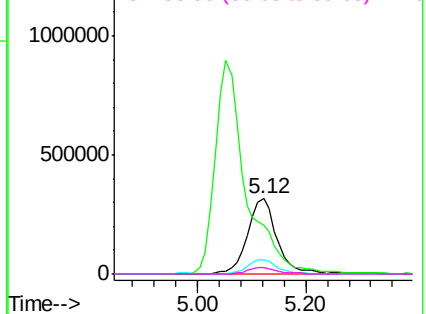
43 64.7 51.7 77.5

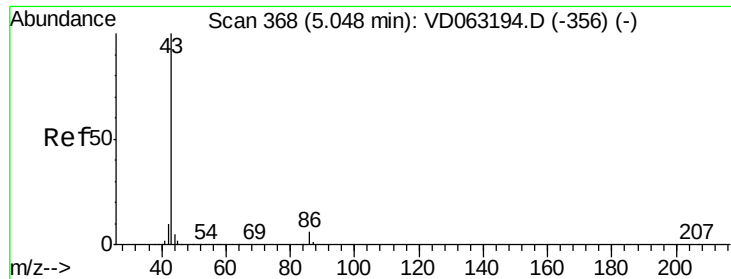
87 18.7 14.6 21.8

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: 272.159 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

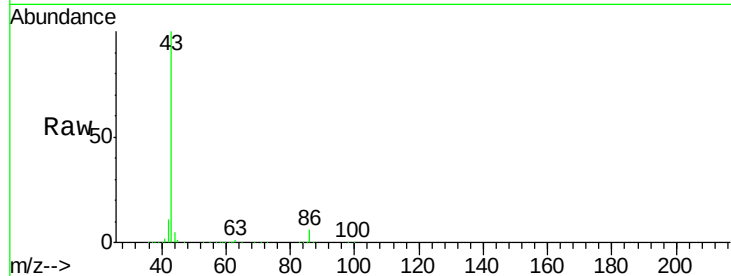
VSTDCCC050EC

Tot Ion: 43 Resp: 3521605

Ion Ratio Lower Upper

43 100

86 6.2 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

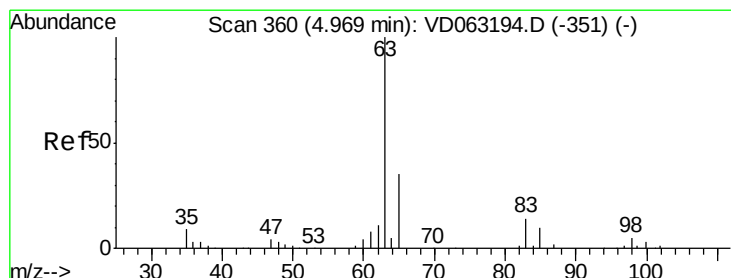
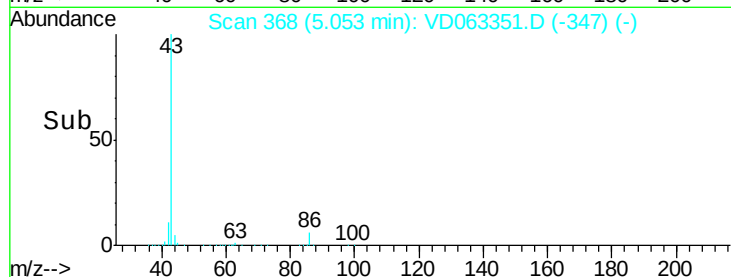
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 59.327 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

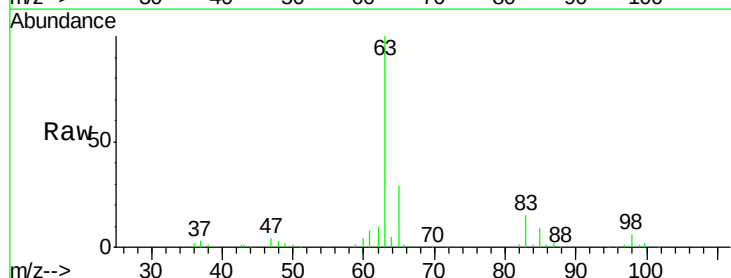
Tgt Ion: 63 Resp: 797692

Ion Ratio Lower Upper

63 100

98 5.7 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

4.98

300000

250000

200000

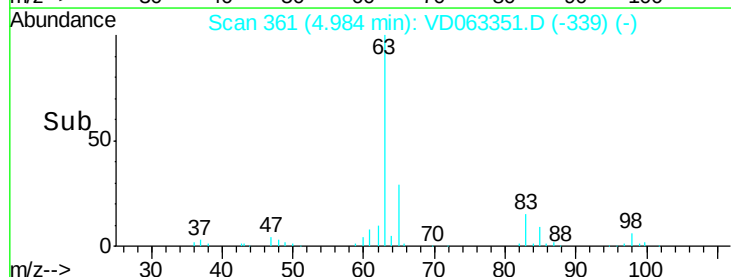
150000

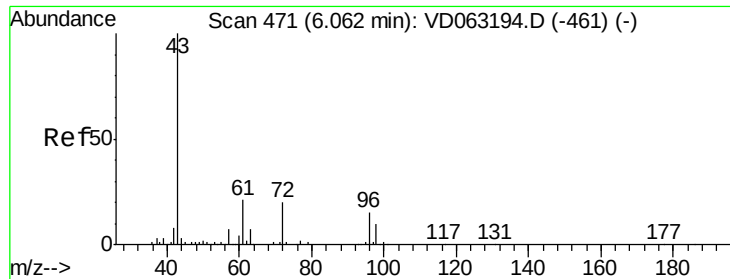
100000

50000

0

Time-->





#25

2-Butanone

Concen: 281.815 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

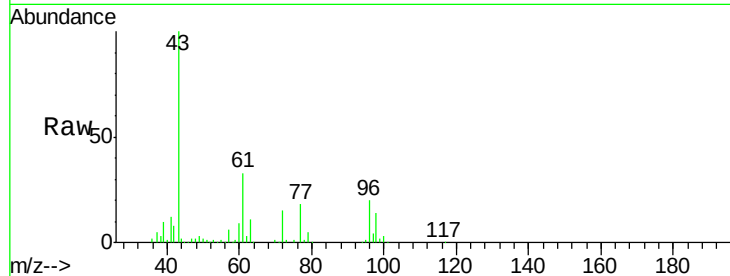
VSTDCCC050EC

Tot Ion: 43 Resp: 521383

Ion Ratio Lower Upper

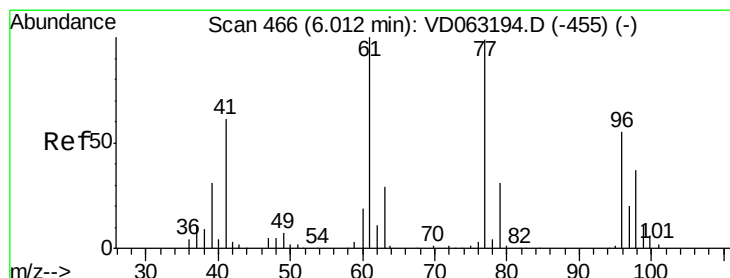
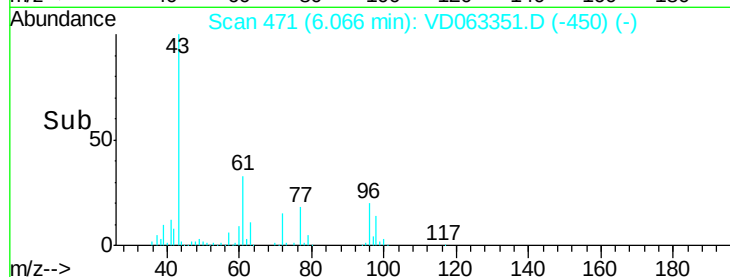
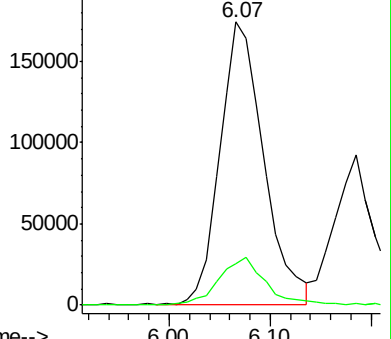
43 100

72 14.8 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: 50.530 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063351.D

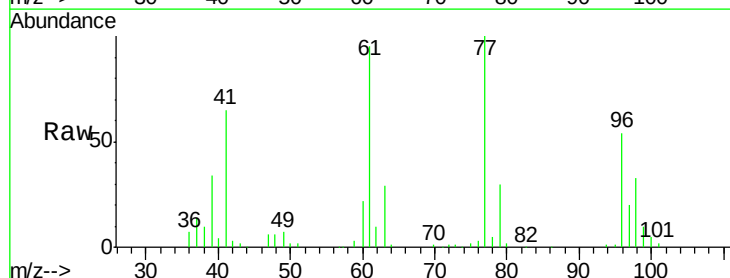
Acq: 3 Aug 2019 8:42

Tgt Ion: 77 Resp: 700165

Ion Ratio Lower Upper

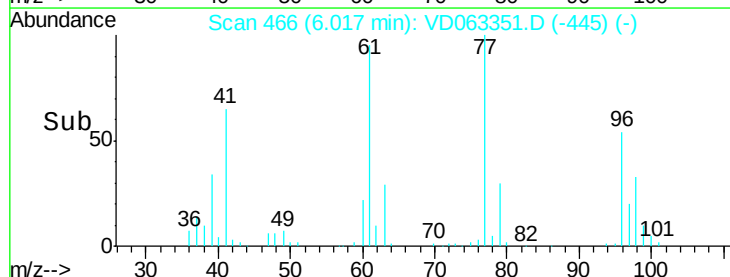
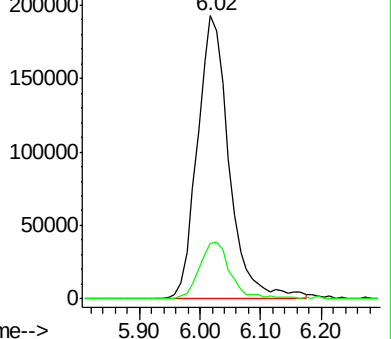
77 100

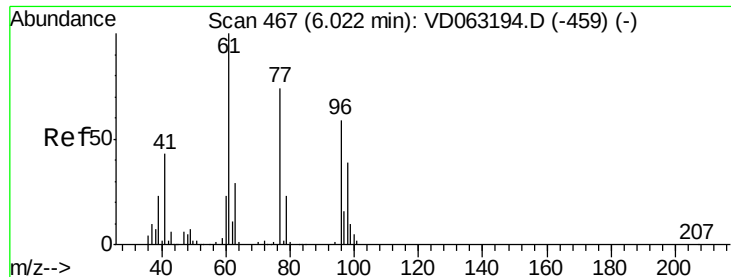
97 19.8 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



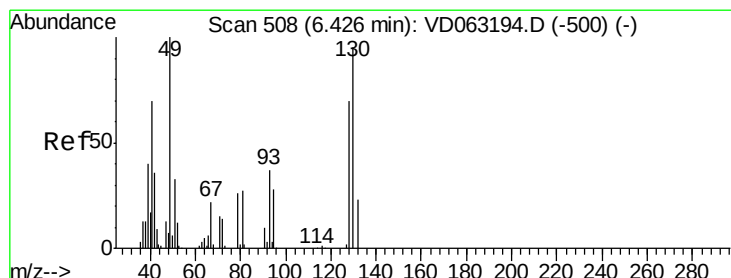
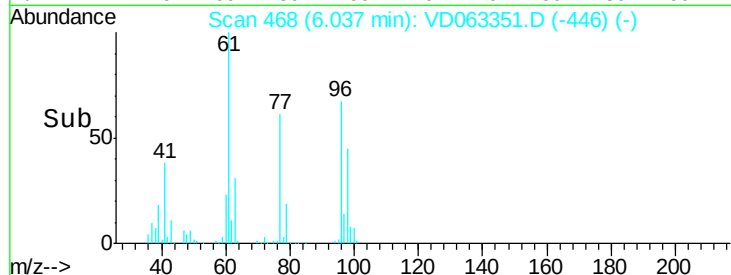
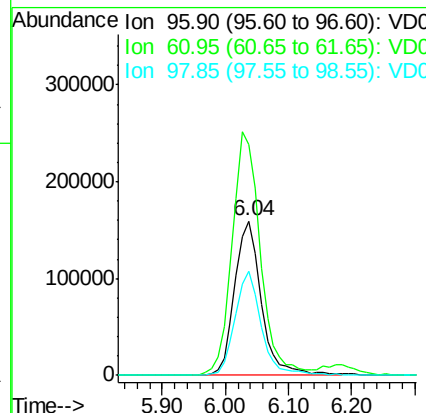
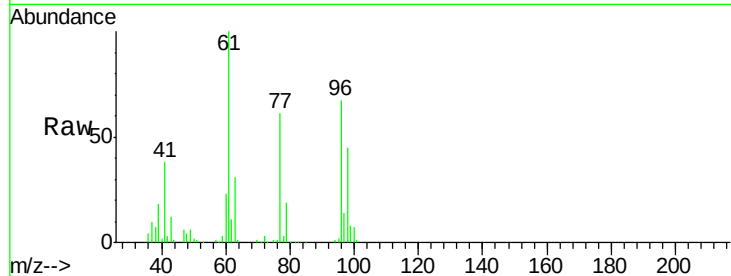


#27

cis-1,2-Dichloroethene
 Concen: 58.609 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

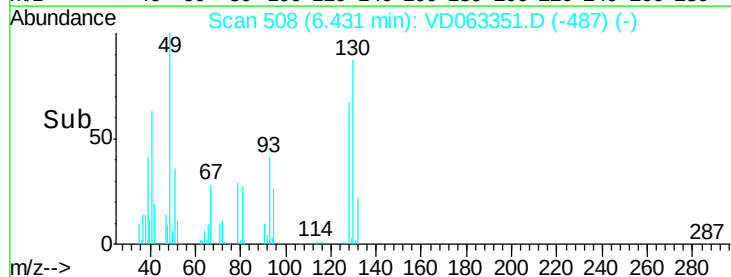
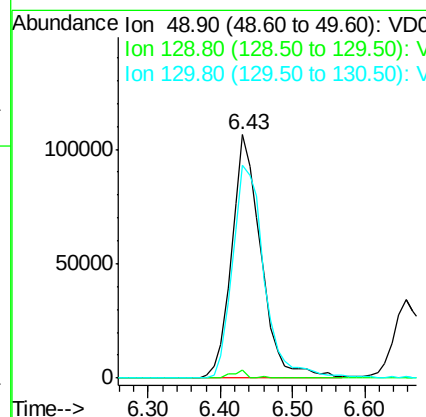
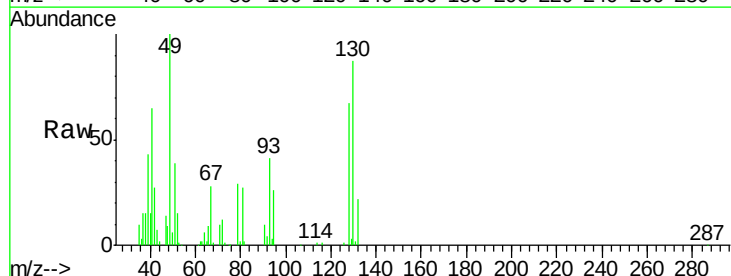
Tot Ion	96	Resp	466320
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	337.2
98	67.8	0.0	130.6

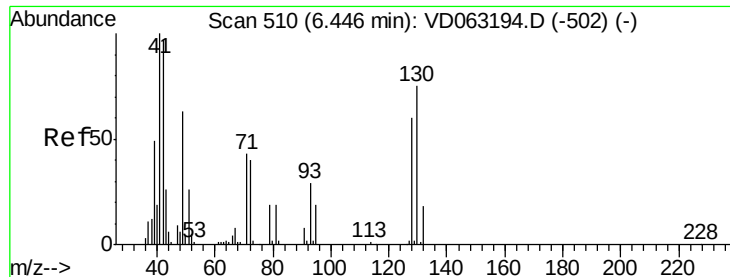


#28

Bromochloromethane
 Concen: 56.189 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion	49	Resp	301014
Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	0.0#
130	87.4	75.7	113.5





#29

Tetrahydrofuran

Concen: 271.885 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

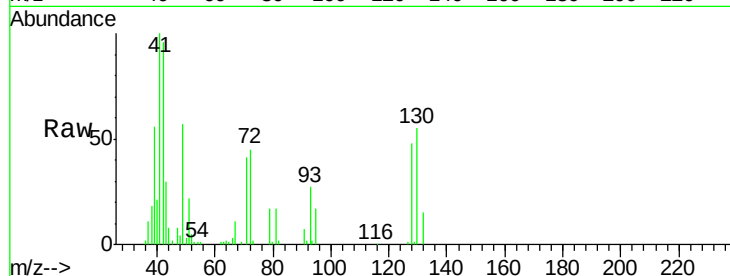
Tot Ion: 42 Resp: 238150

Ion Ratio Lower Upper

42 100

72 43.3 33.4 50.2

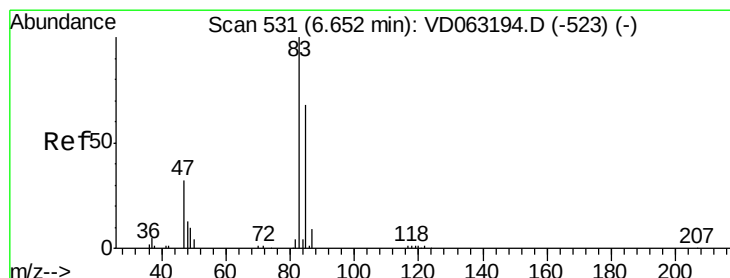
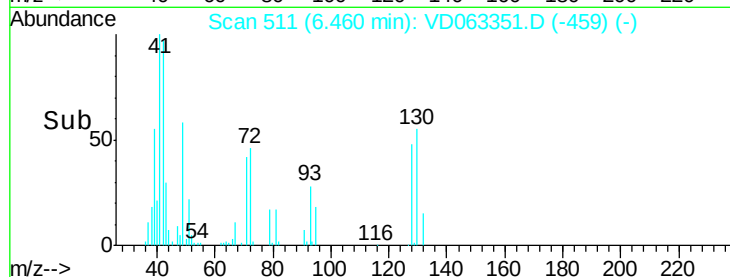
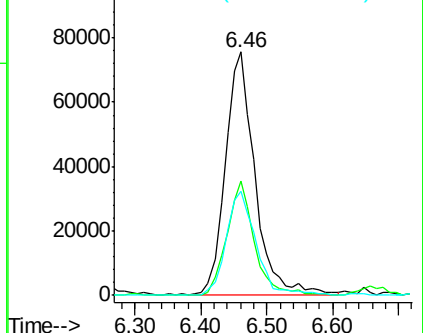
71 43.2 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 60.349 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063351.D

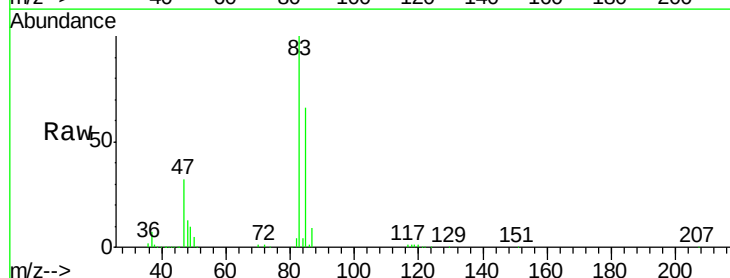
Acq: 3 Aug 2019 8:42

Tgt Ion: 83 Resp: 1007005

Ion Ratio Lower Upper

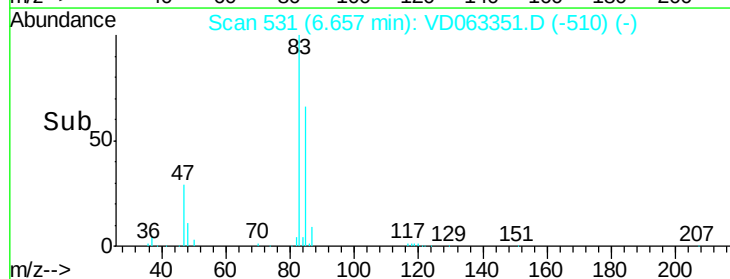
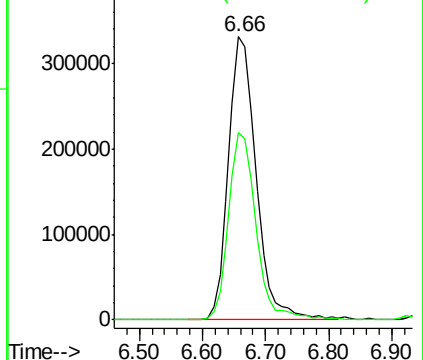
83 100

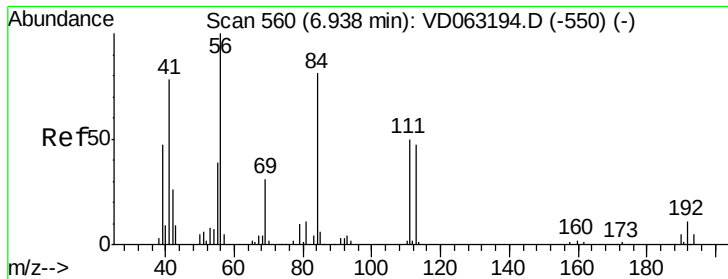
85 66.4 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

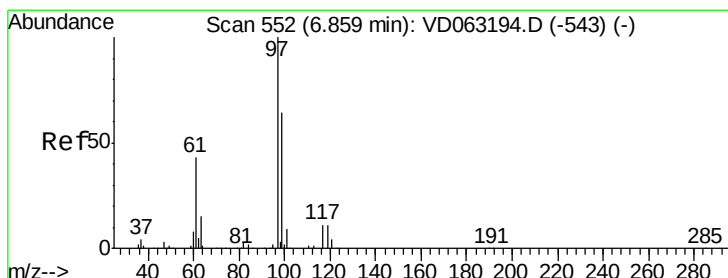
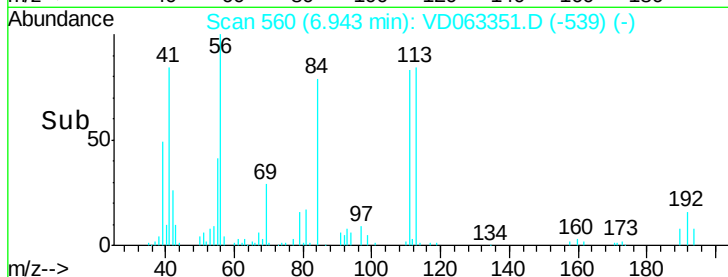
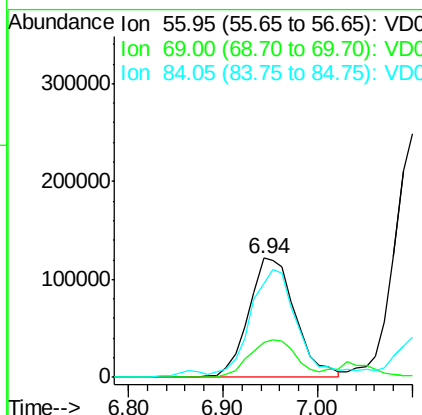
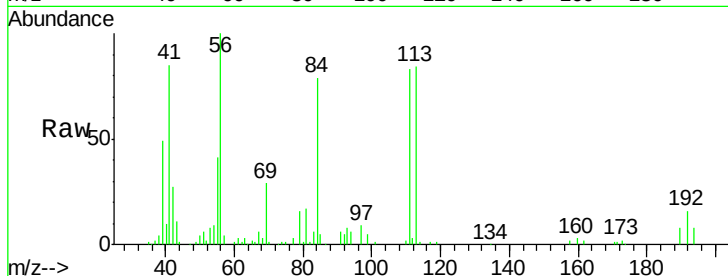




#31
Cyclohexane
Concen: 49.334 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

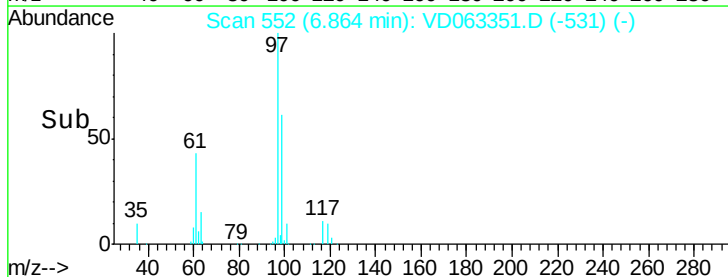
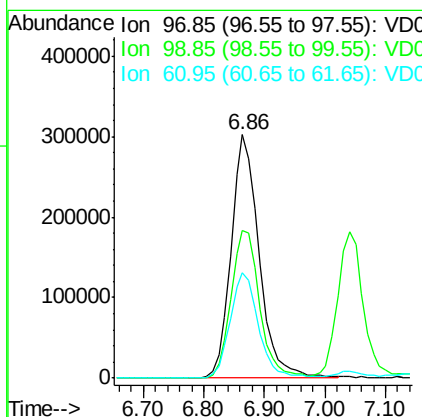
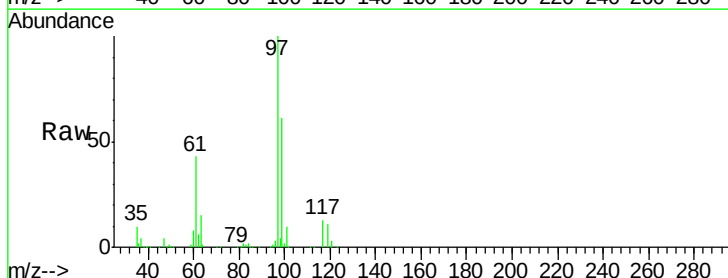
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

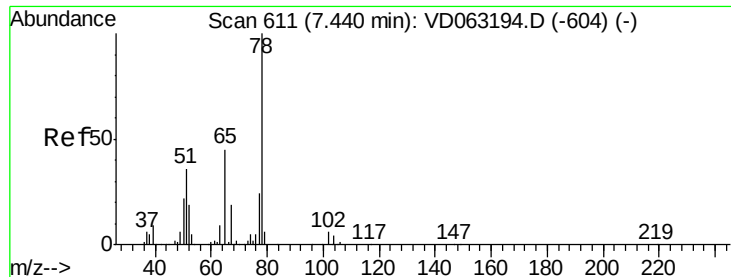
Tot Ion: 56 Resp: 415785
Ion Ratio Lower Upper
56 100
69 29.3 24.5 36.7
84 79.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 60.095 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 97 Resp: 969948
Ion Ratio Lower Upper
97 100
99 60.8 51.2 76.8
61 43.2 34.2 51.2

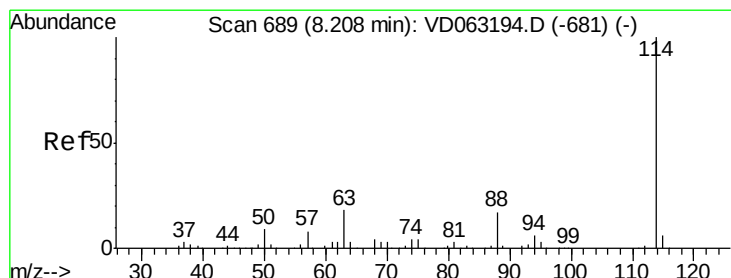
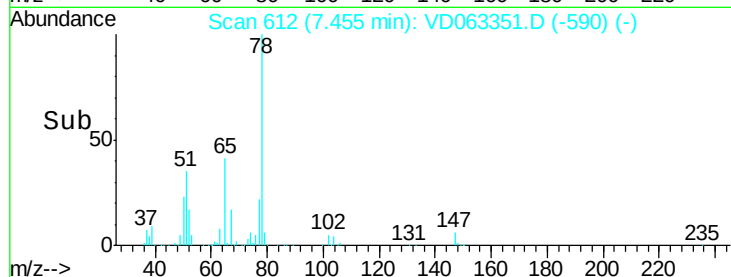
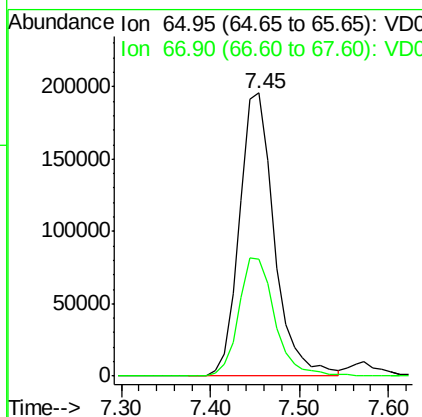
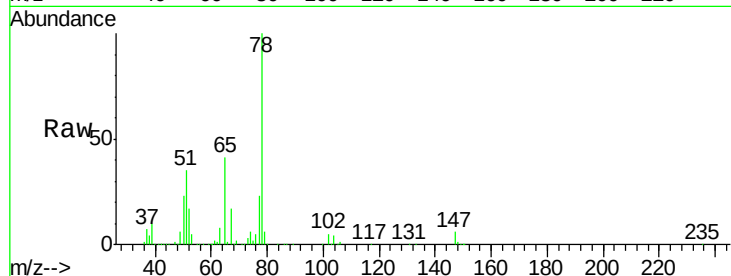




#33
 1,2-Dichloroethane-d4
 Concen: 56.187 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

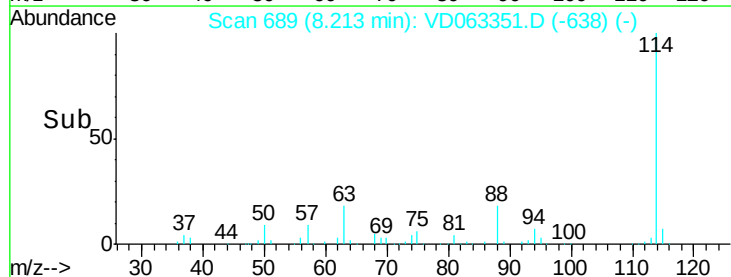
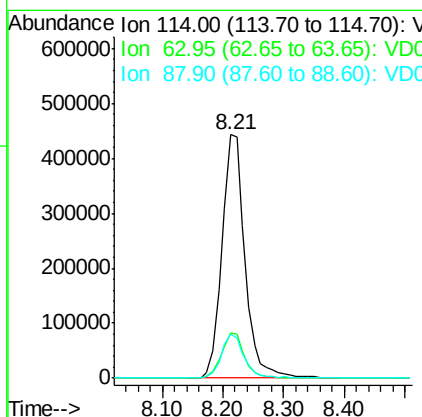
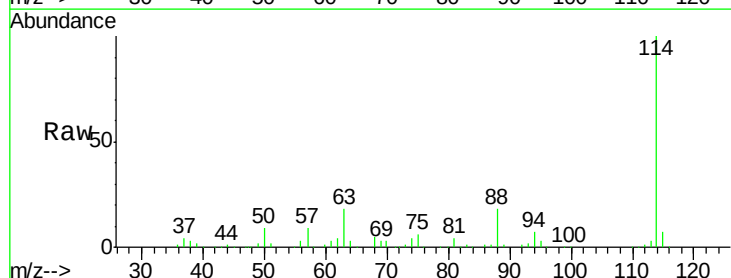
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

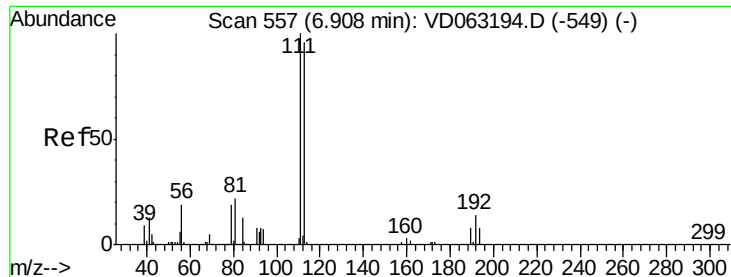
Tot Ion: 65 Resp: 531619
 Ion Ratio Lower Upper
 65 100
 67 41.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 114 Resp: 1169152
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.2
 88 18.3 0.0 34.6

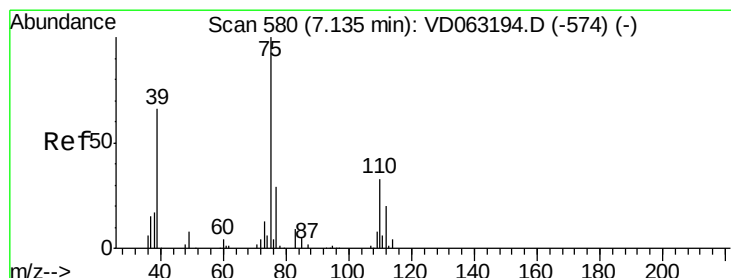
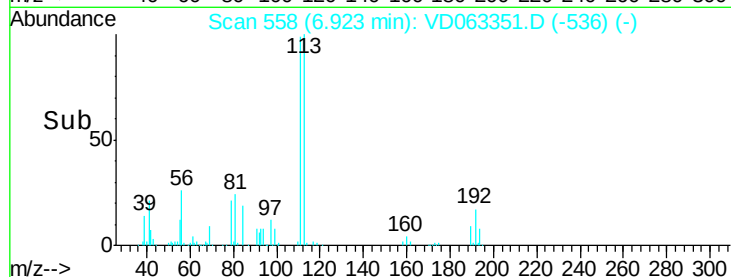
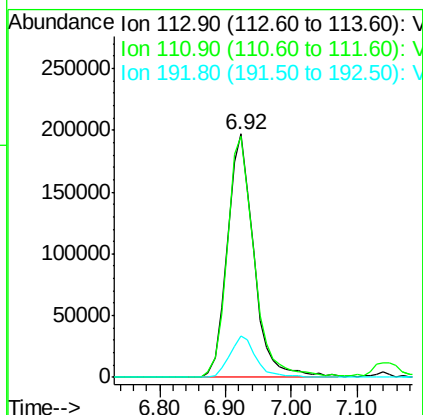
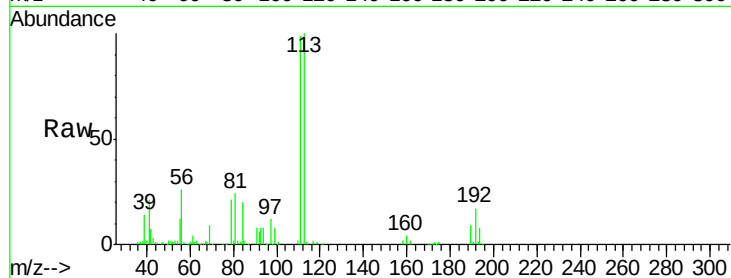




#35
 Dibromofluoromethane
 Concen: 55.796 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

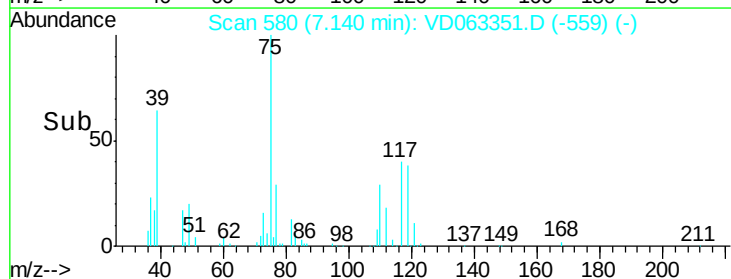
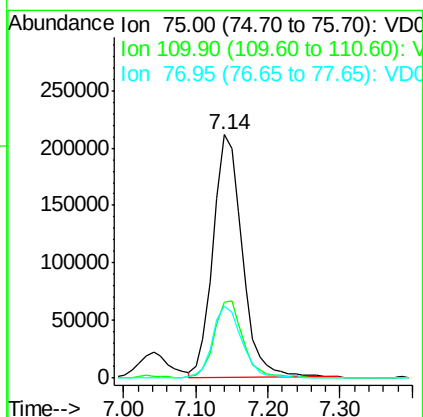
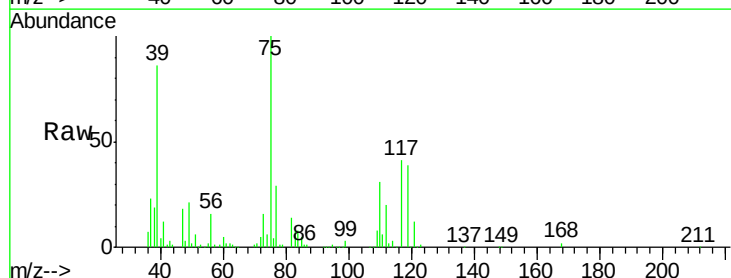
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

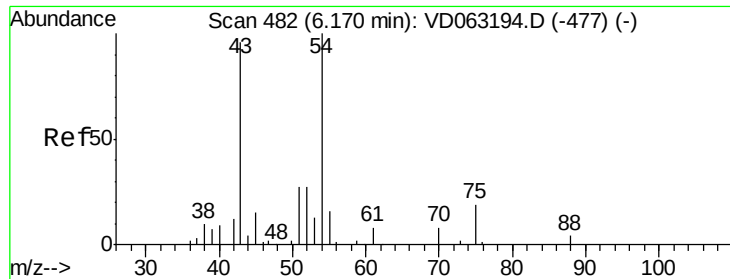
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.9	83.2	124.8
192	17.2	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 55.281 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.1	48.2
77	29.4	22.7	34.1

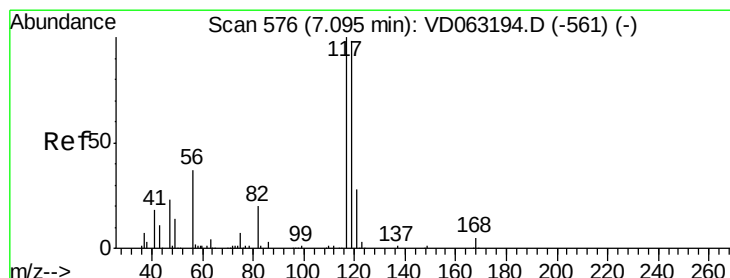
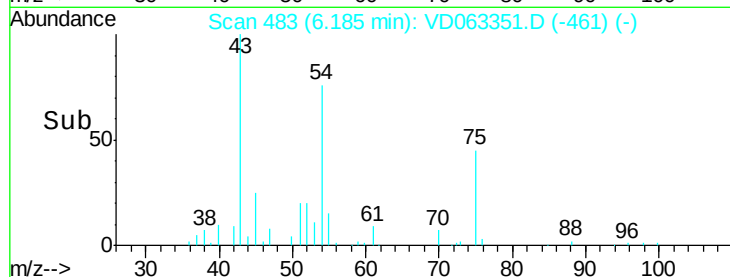
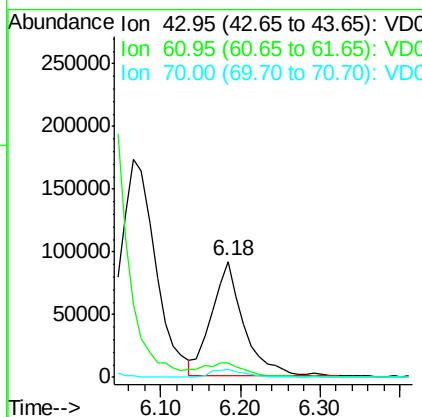
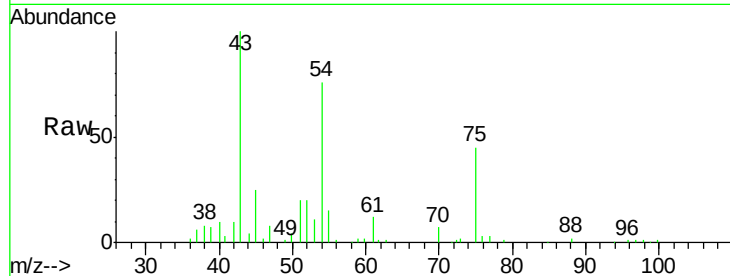




#37
Ethyl Acetate
Concen: 54.013 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

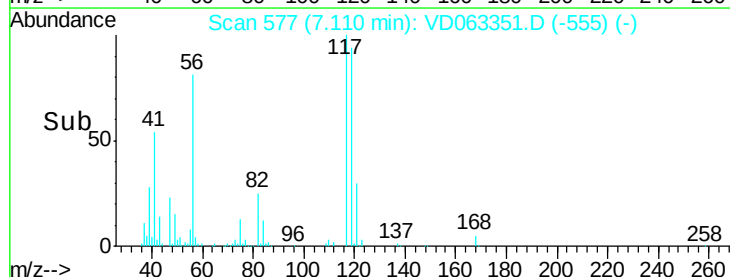
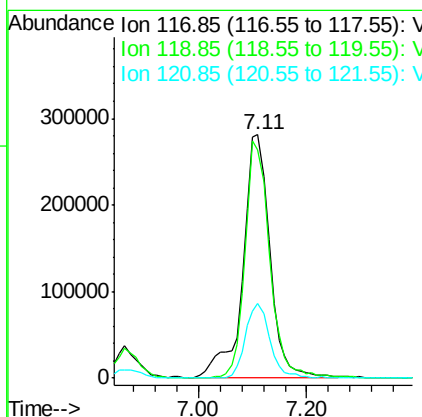
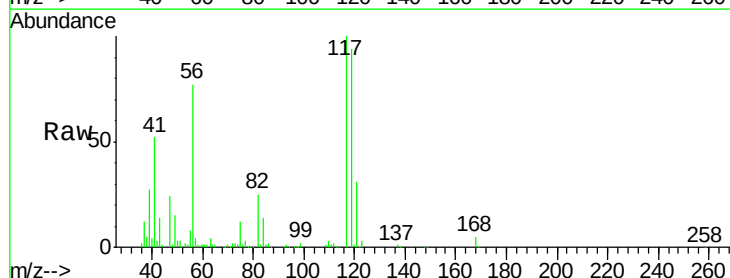
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

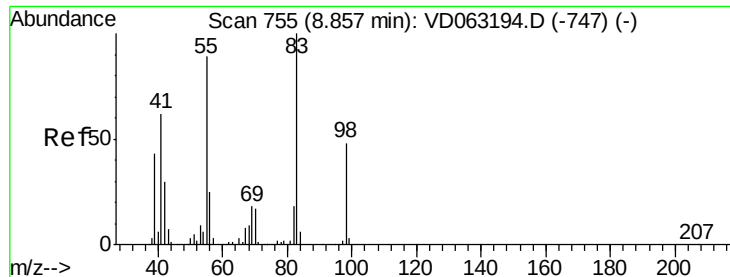
Tot Ion: 43 Resp: 258916
Ion Ratio Lower Upper
43 100
61 12.4 11.3 16.9
70 7.2 5.1 7.7



#38
Carbon Tetrachloride
Concen: 60.650 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 117 Resp: 974240
Ion Ratio Lower Upper
117 100
119 93.9 78.2 117.2
121 30.7 22.1 33.1

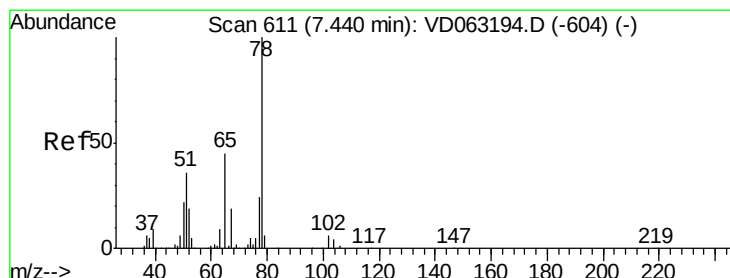
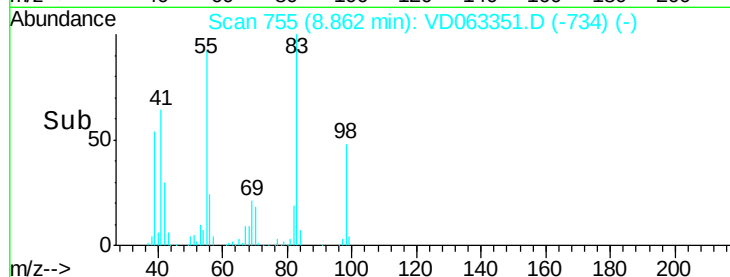
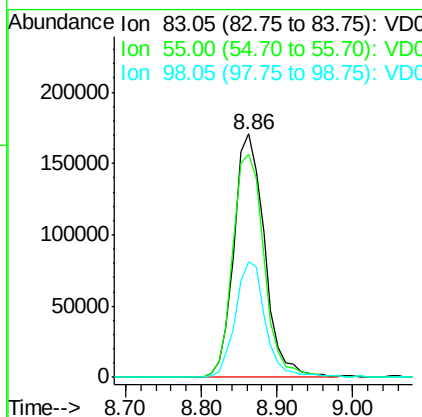
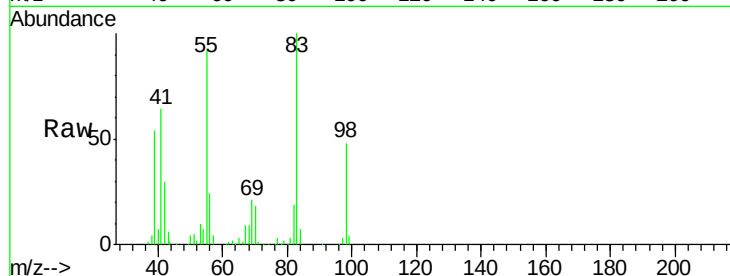




#39
Methylvlcyclohexane
Concen: 53.702 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

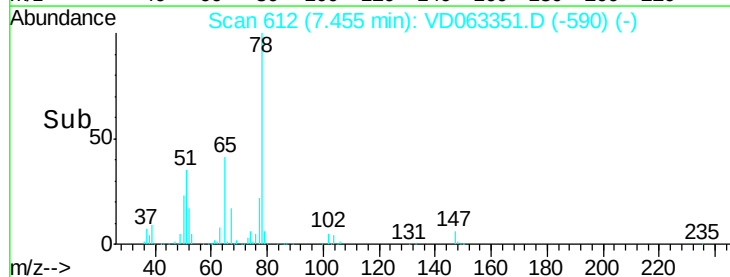
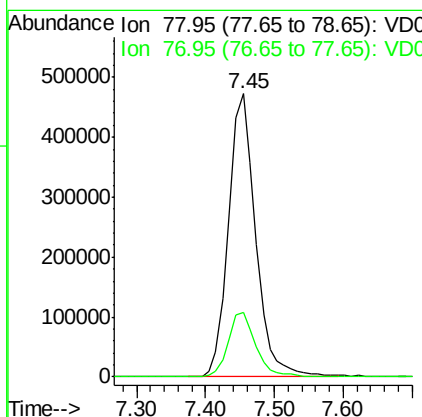
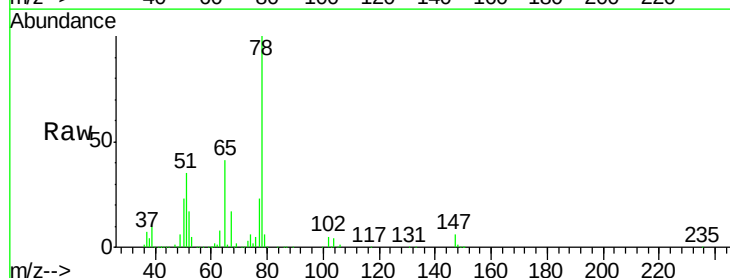
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

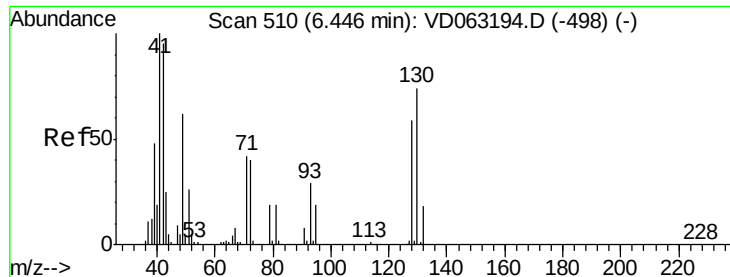
Tot Ion: 83 Resp: 477407
Ion Ratio Lower Upper
83 100
55 91.7 71.1 106.7
98 47.6 38.5 57.7



#40
Benzene
Concen: 57.857 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 78 Resp: 1293816
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.2





#41

Methacrylonitrile

Concen: 60.706 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 348093

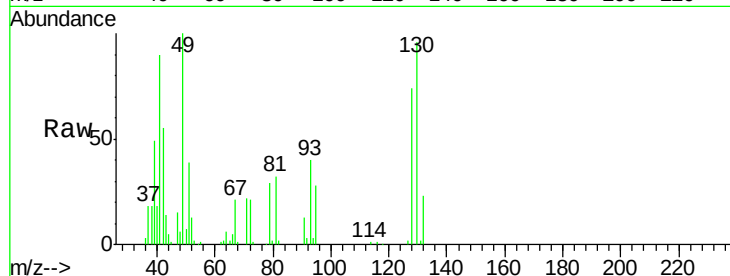
Ion Ratio Lower Upper

41 100

39 54.5 38.4 57.6

67 23.1 6.7 10.1#

52 14.0 4.3 6.5#

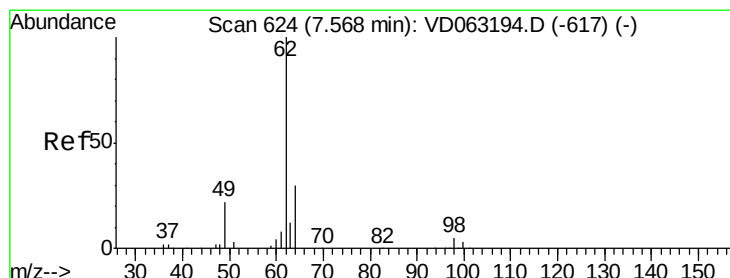
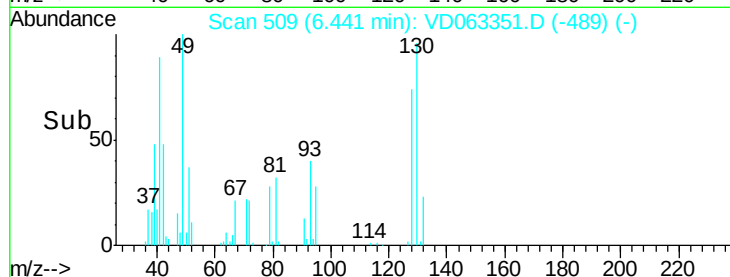
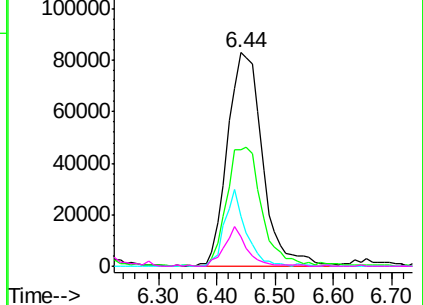


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 61.157 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063351.D

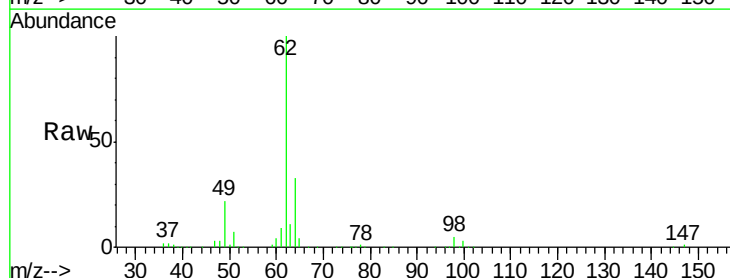
Acq: 3 Aug 2019 8:42

Tgt Ion: 62 Resp: 724810

Ion Ratio Lower Upper

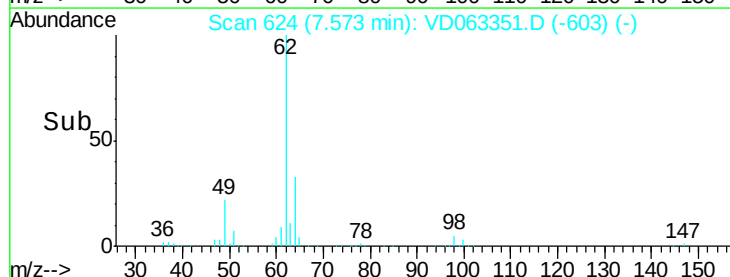
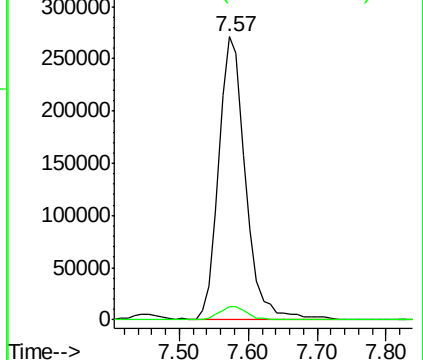
62 100

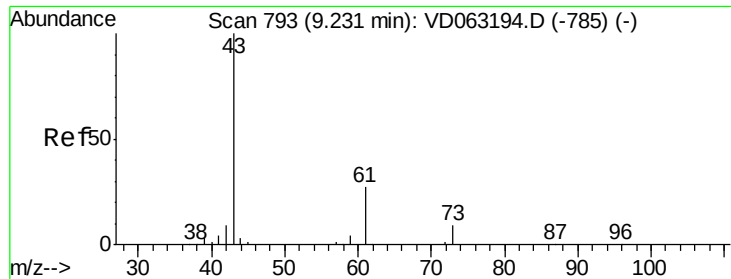
98 4.8 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 58.389 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

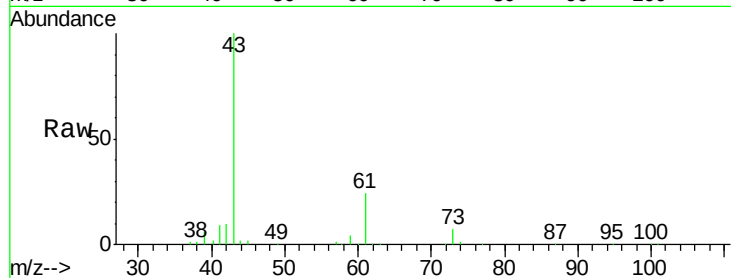
Tot Ion: 43 Resp: 357533

Ion Ratio Lower Upper

43 100

61 24.1 21.4 32.0

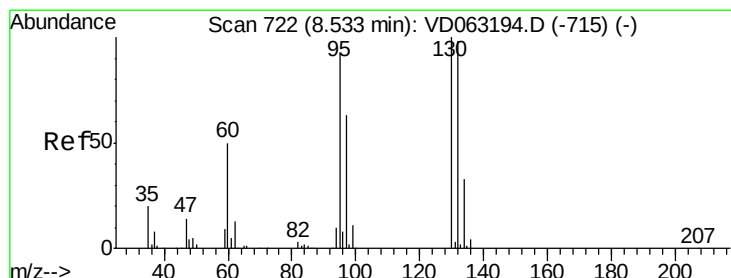
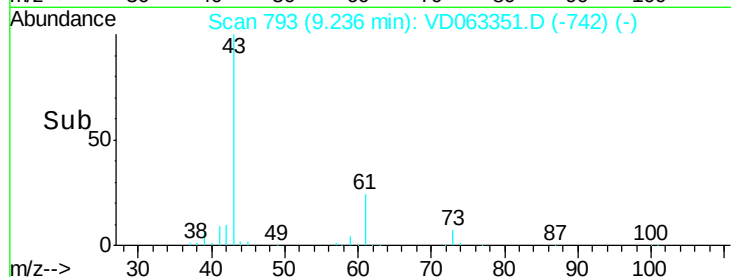
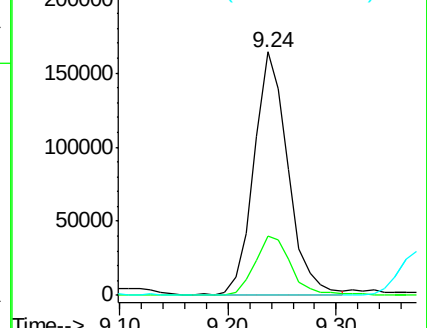
87 0.2 0.2 0.4



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: 56.098 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063351.D

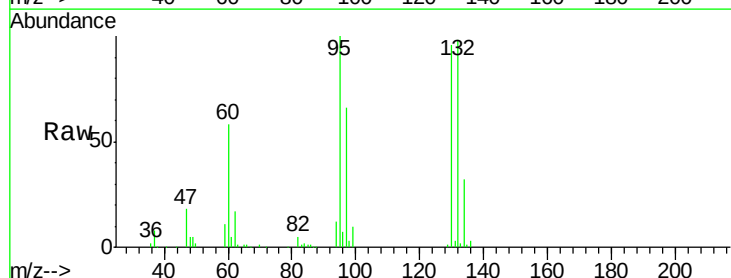
Acq: 3 Aug 2019 8:42

Tgt Ion:130 Resp: 508328

Ion Ratio Lower Upper

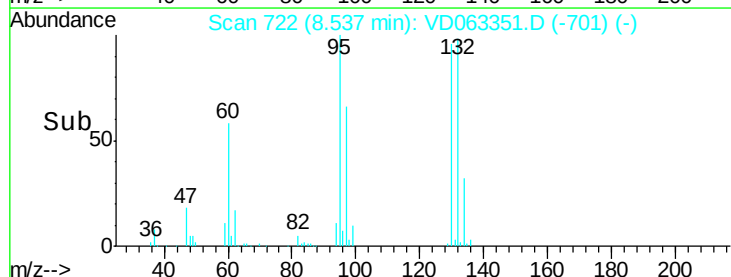
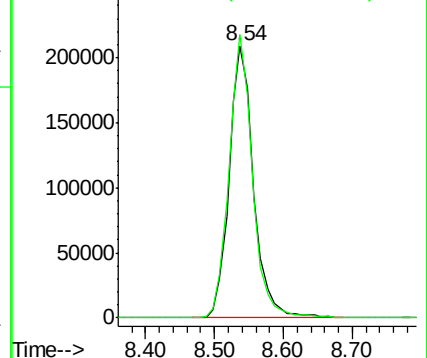
130 100

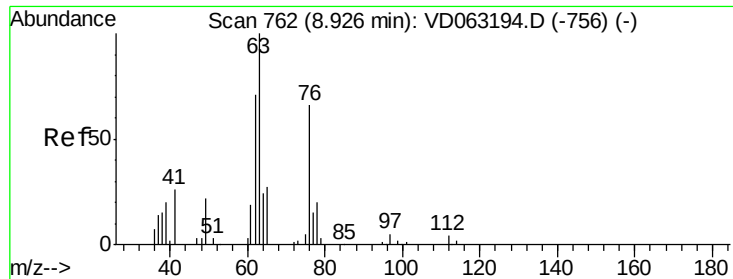
95 104.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.327 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

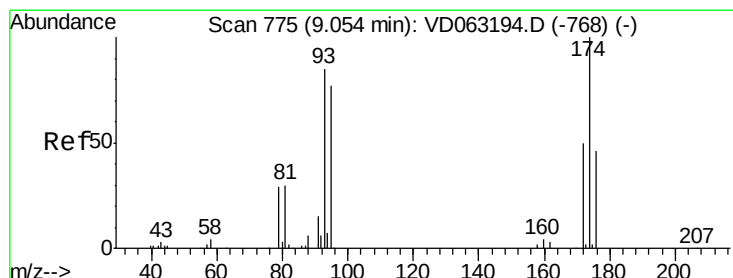
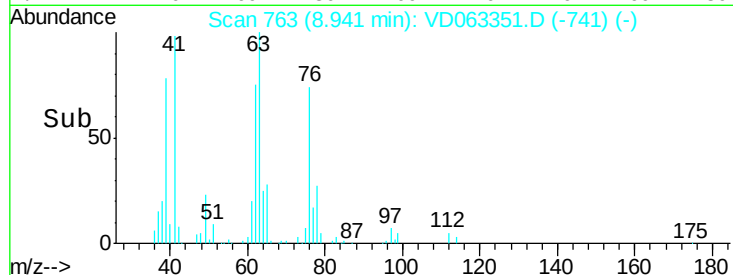
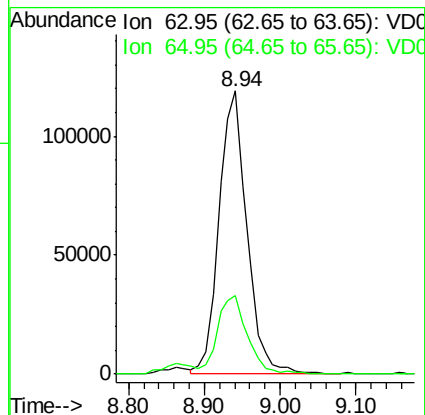
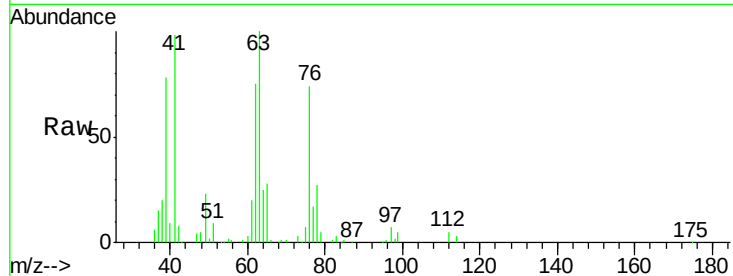
VSTDCCC050EC

Tot Ion: 63 Resp: 303106

Ion Ratio Lower Upper

63 100

65 28.0 23.6 35.4



#46

Dibromomethane

Concen: 59.526 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

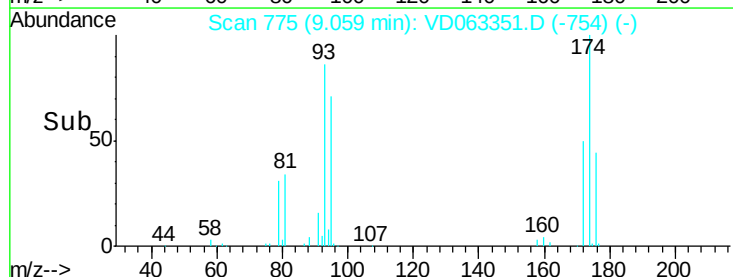
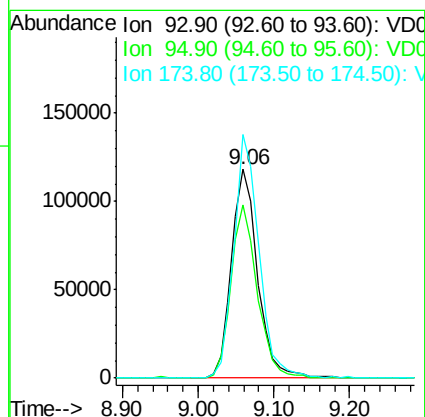
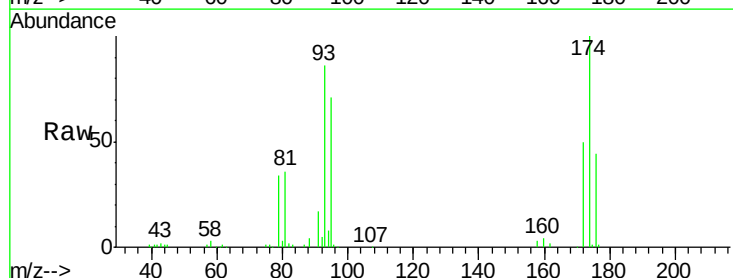
Tgt Ion: 93 Resp: 281327

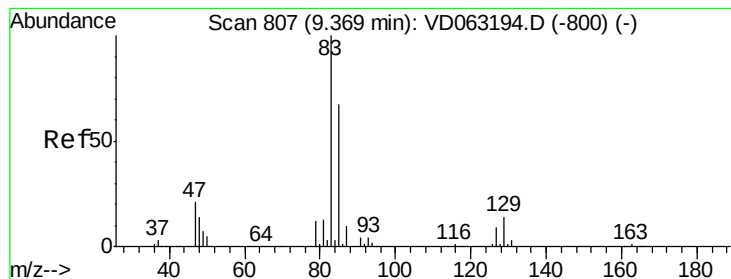
Ion Ratio Lower Upper

93 100

95 83.0 72.8 109.2

174 116.6 94.4 141.6





#47

Bromodichloromethane

Concen: 59.653 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

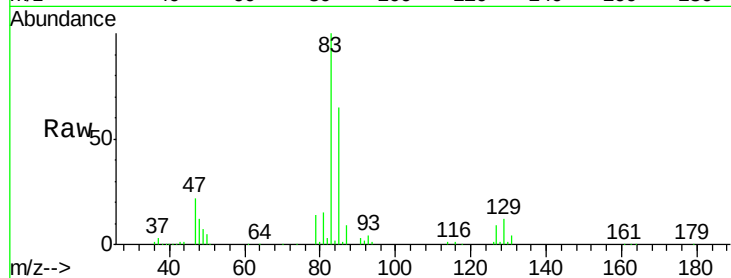
Tot Ion: 83 Resp: 718654

Ion Ratio Lower Upper

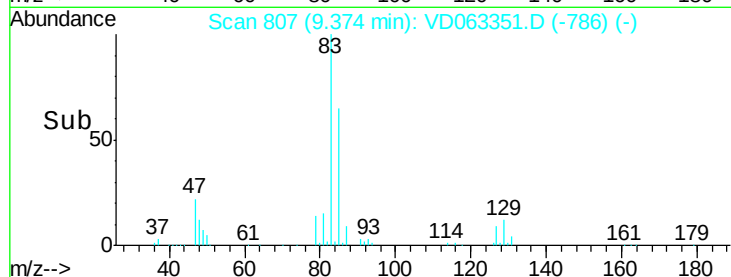
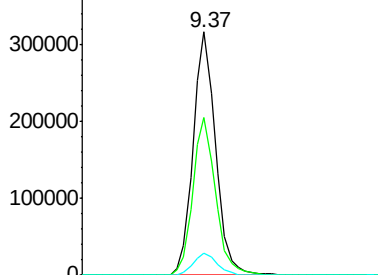
83 100

85 65.1 53.6 80.4

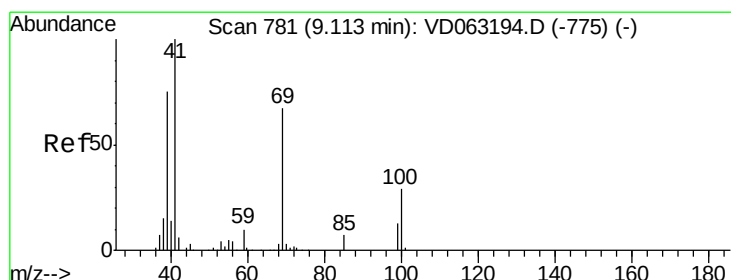
127 9.3 7.2 10.8



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



Time-->



#48

Methyl methacrylate

Concen: 62.096 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

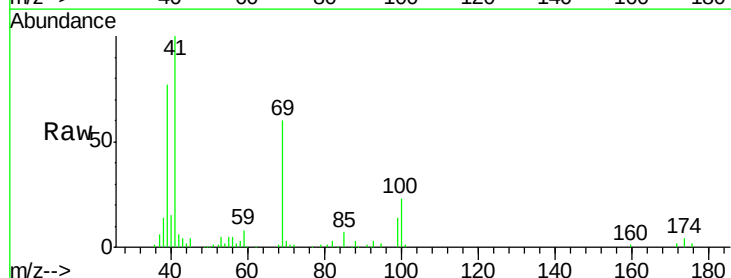
Tgt Ion: 41 Resp: 246605

Ion Ratio Lower Upper

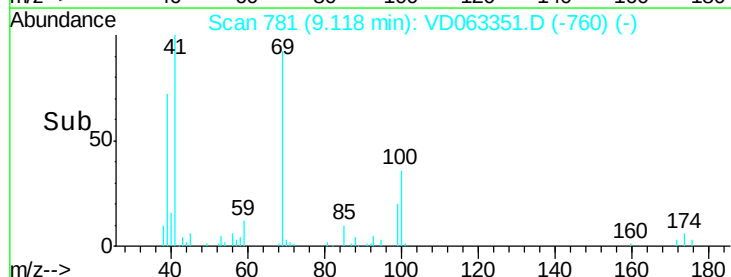
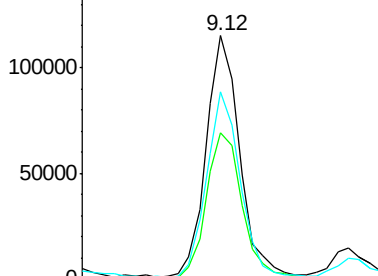
41 100

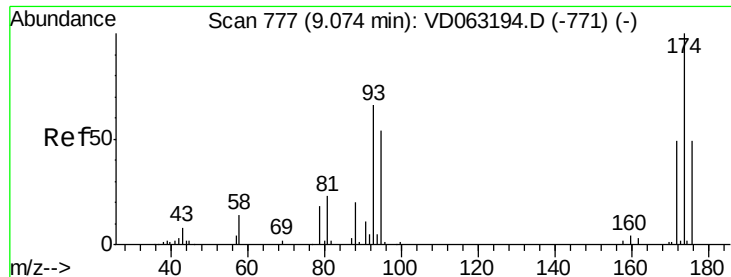
69 60.3 53.4 80.0

39 76.8 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

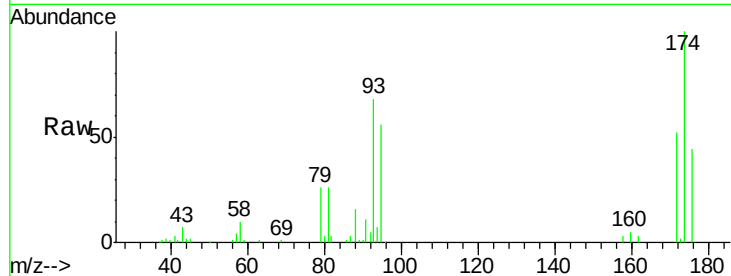




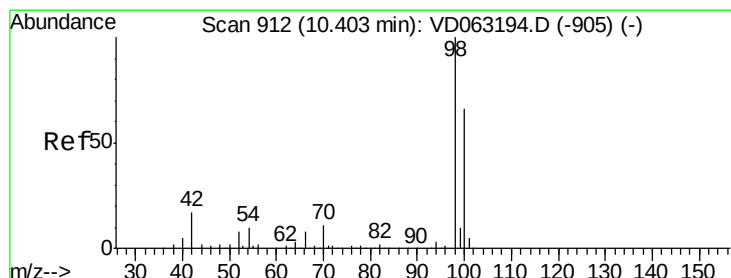
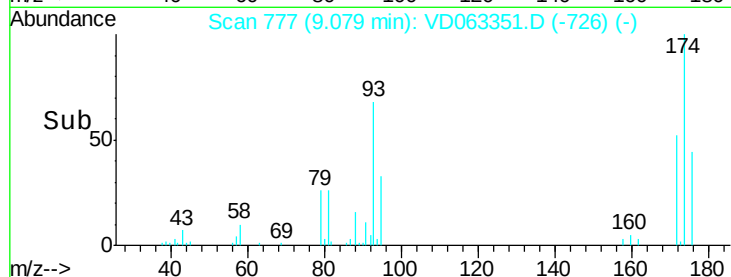
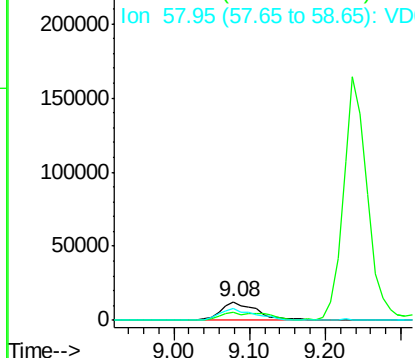
#49
1,4-Dioxane
Concen: 1207.240 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 40585
Ion Ratio Lower Upper
88 100
43 43.1 30.7 46.1
58 61.0 56.5 84.7

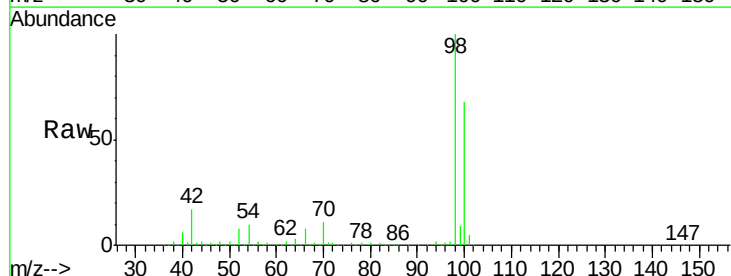


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

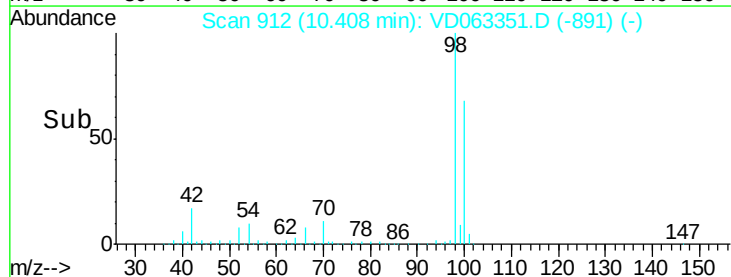
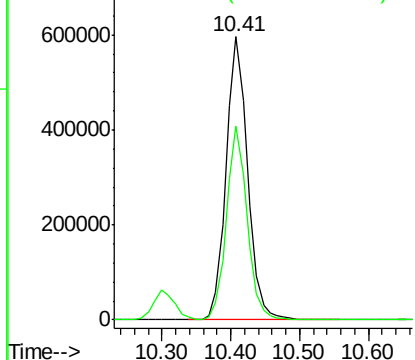


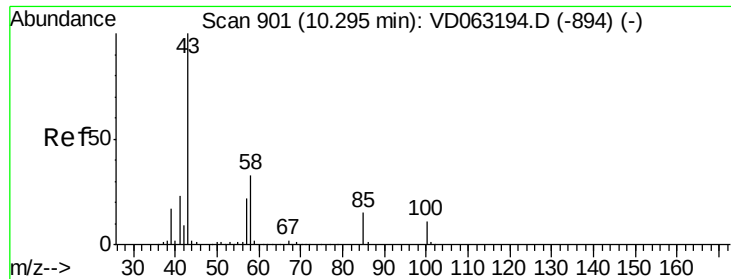
#50
Toluene-d8
Concen: 57.763 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 98 Resp: 1290406
Ion Ratio Lower Upper
98 100
100 68.3 53.2 79.8



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

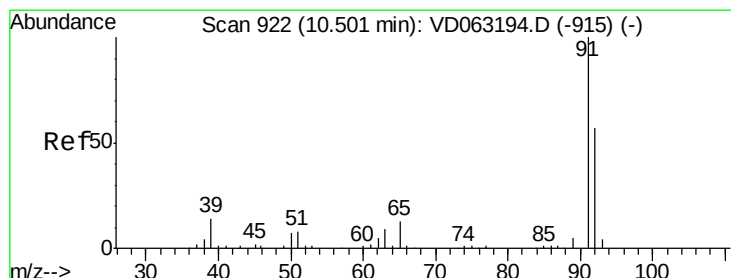
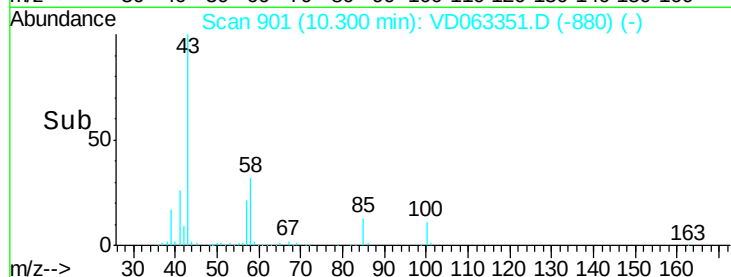
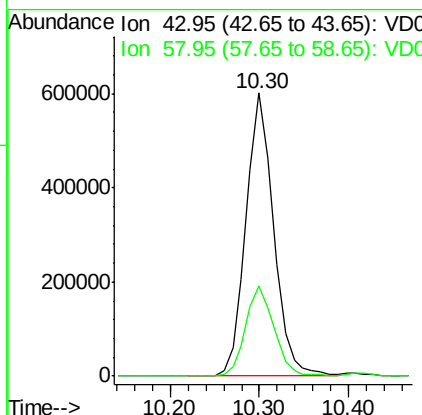
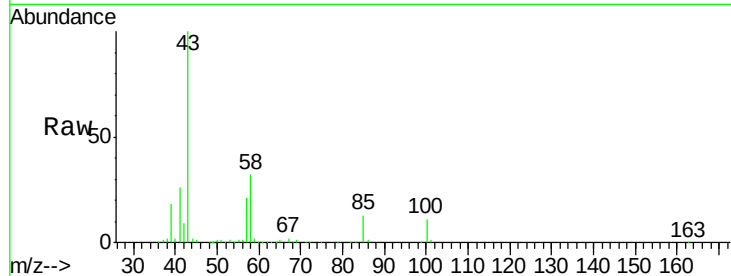




#51
4-Methyl-2-Pentanone
Concen: 310.993 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

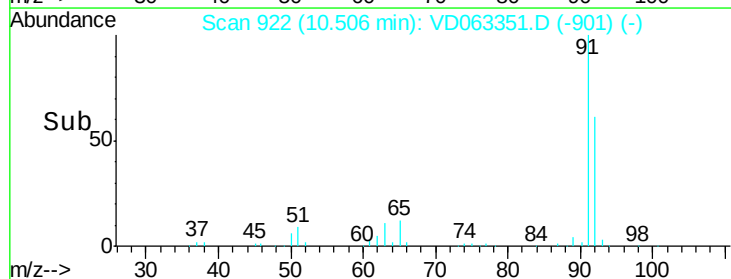
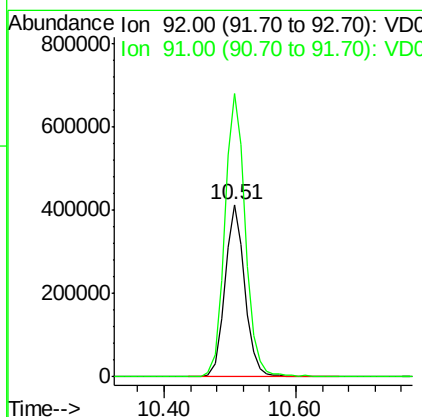
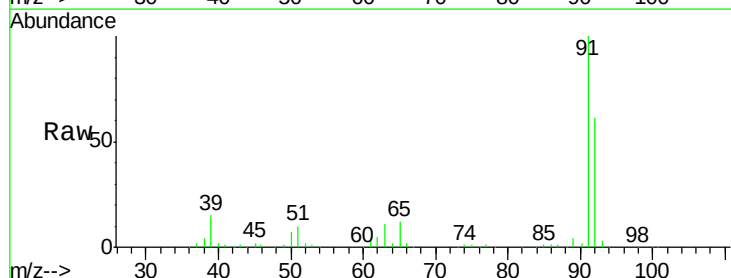
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

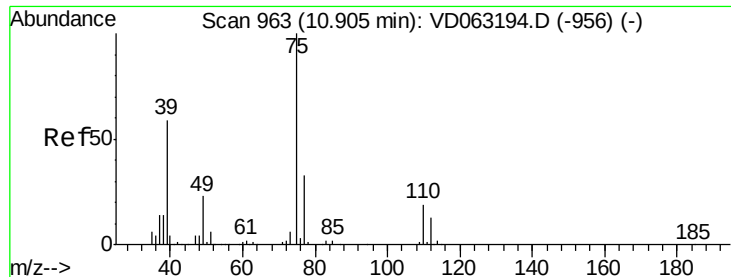
Tot Ion: 43 Resp: 1295089
Ion Ratio Lower Upper
43 100
58 32.0 26.2 39.2



#52
Toluene
Concen: 58.601 ug/l
RT: 10.51 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 92 Resp: 871586
Ion Ratio Lower Upper
92 100
91 164.3 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 55.064 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

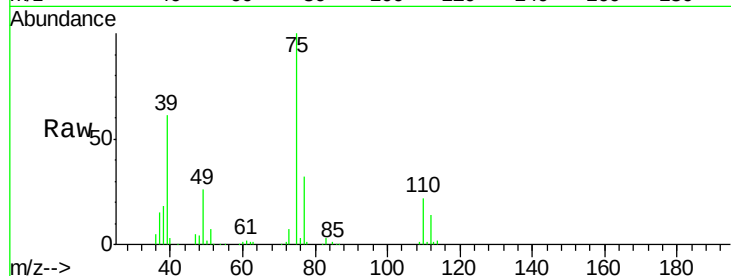
VSTDCCC050EC

Tot Ion: 75 Resp: 571922

Ion Ratio Lower Upper

75 100

77 31.8 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

150000

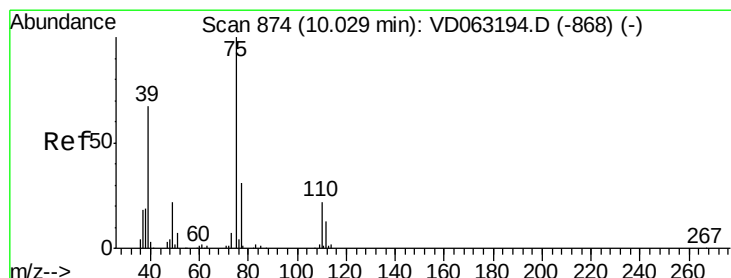
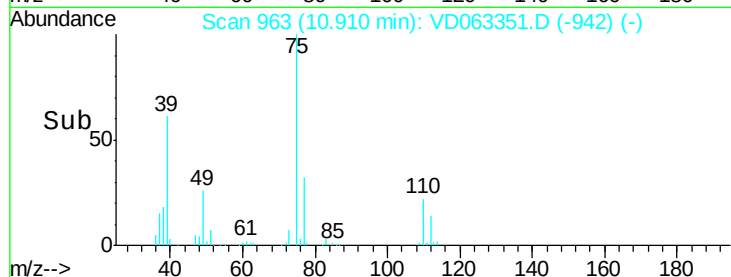
100000

50000

0

Time-->

10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 56.457 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

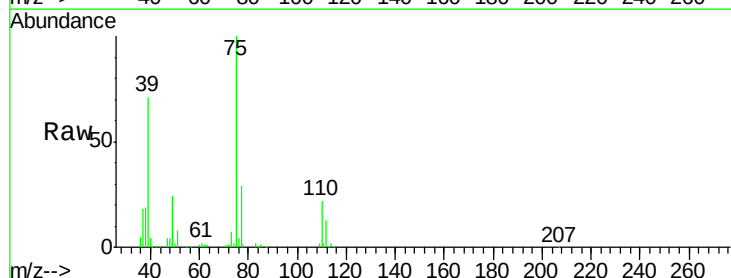
Tgt Ion: 75 Resp: 616273

Ion Ratio Lower Upper

75 100

77 29.0 24.9 37.3

39 71.2 53.9 80.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

400000

300000

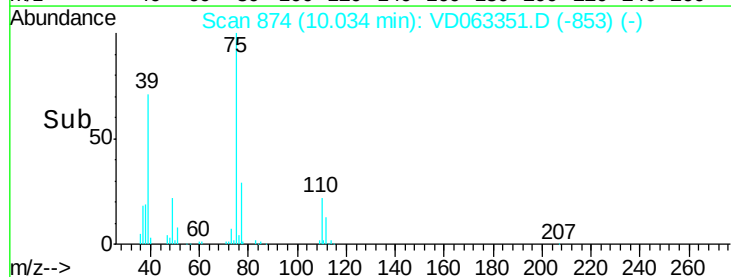
200000

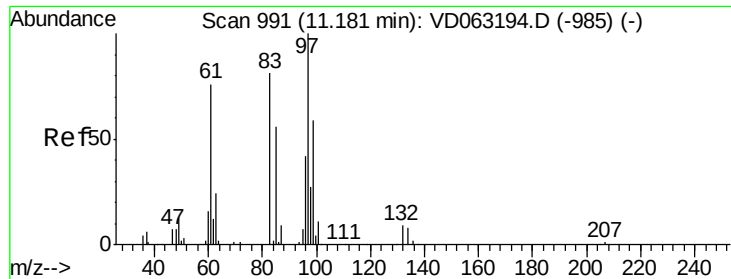
100000

0

Time-->

9.90 10.00 10.10

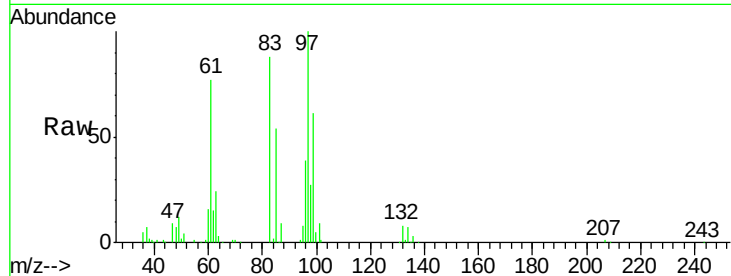




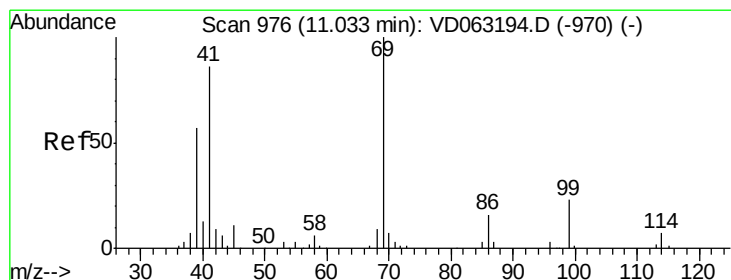
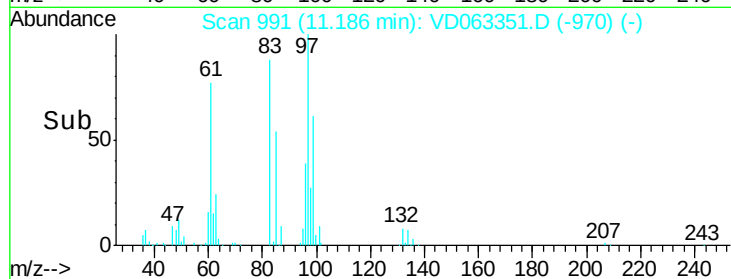
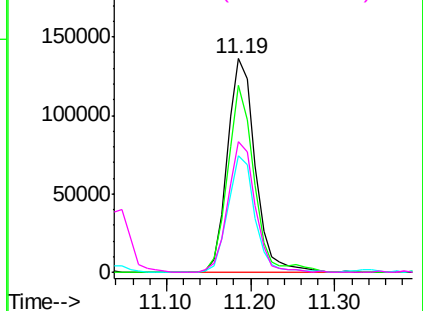
#55
 1,1,2-Trichloroethane
 Concen: 62.099 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	311936
Ion	Ratio	Lower	Upper
97	100		
83	87.7	64.8	97.2
85	54.4	44.9	67.3
99	61.2	47.2	70.8

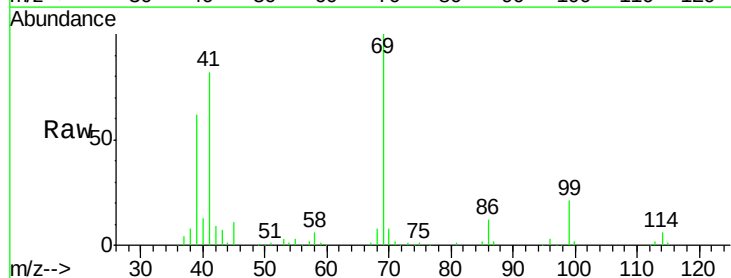


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

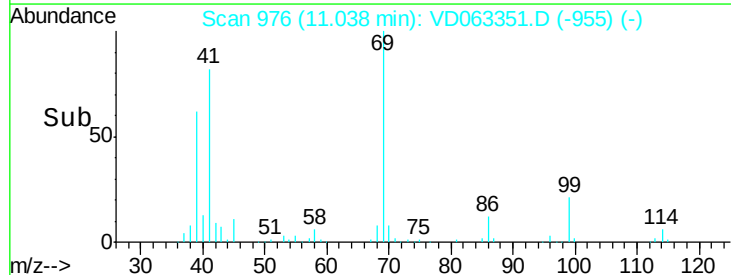
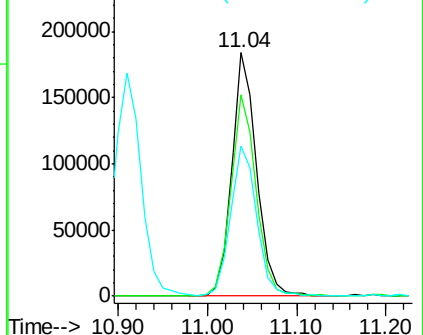


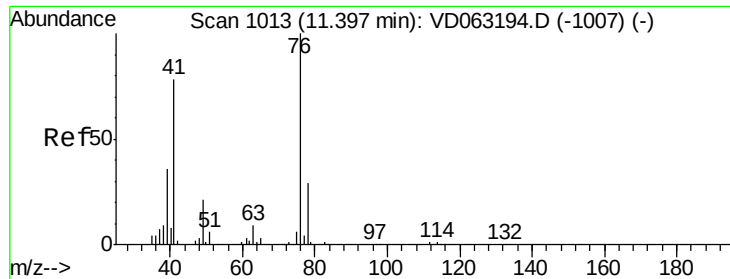
#56
 Ethyl methacrylate
 Concen: 65.454 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:	69	Resp:	360031
Ion	Ratio	Lower	Upper
69	100		
41	82.5	68.8	103.2
39	61.6	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

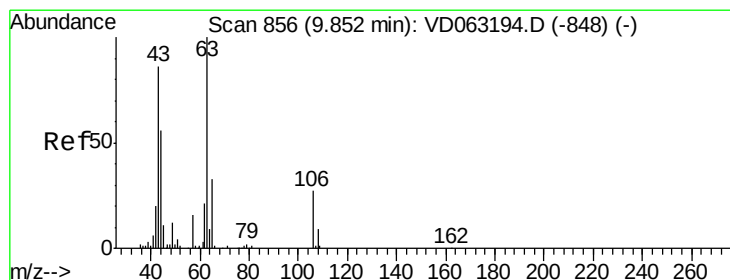
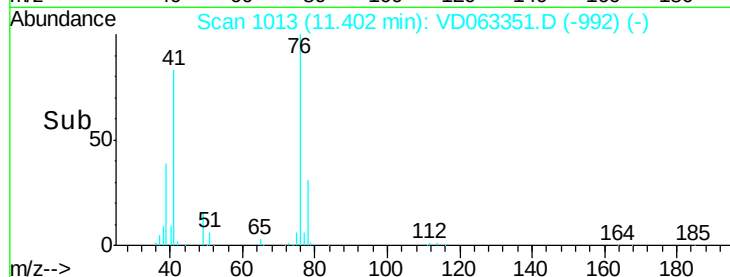
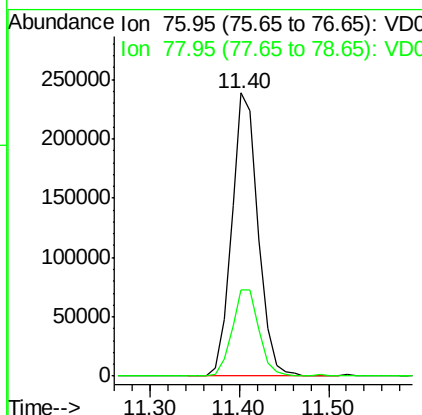
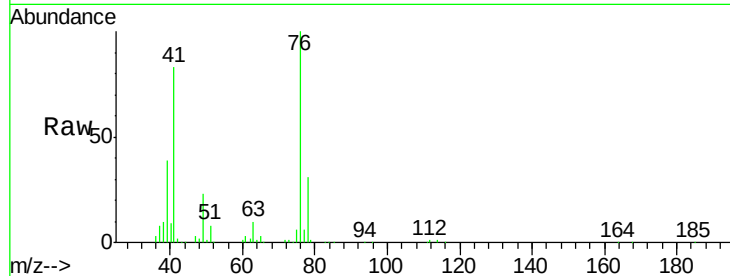




#57
 1,3-Dichloropropane
 Concen: 62.297 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

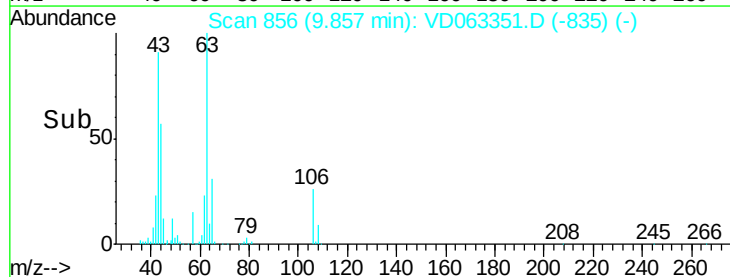
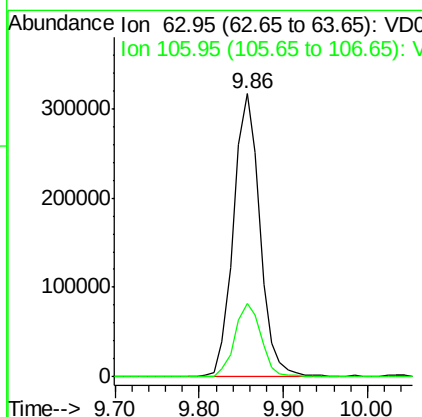
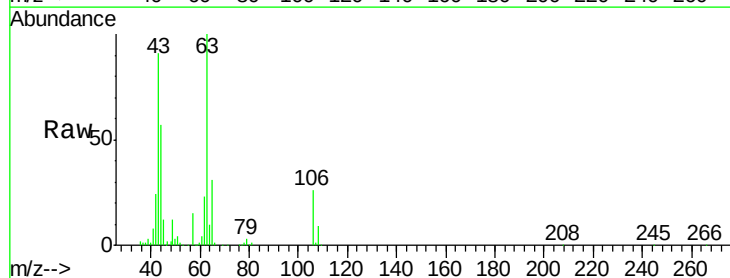
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

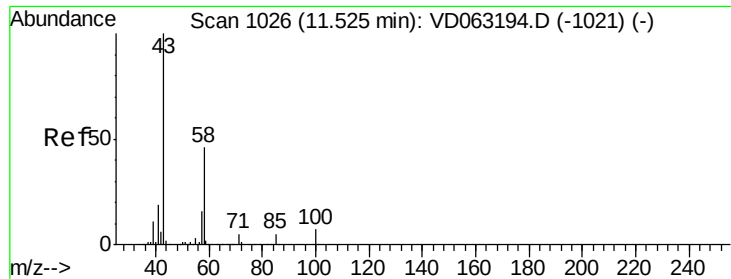
Tot Ion: 76 Resp: 493049
 Ion Ratio Lower Upper
 76 100
 78 30.5 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.045 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 63 Resp: 692767
 Ion Ratio Lower Upper
 63 100
 106 25.9 22.0 33.0

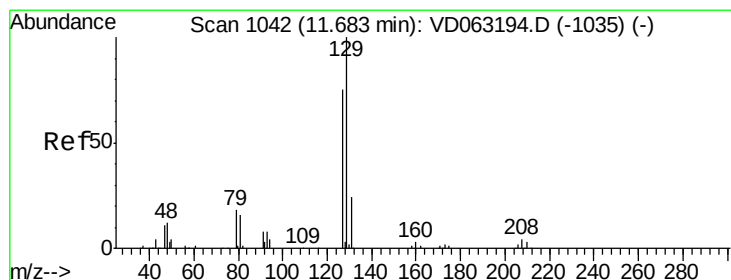
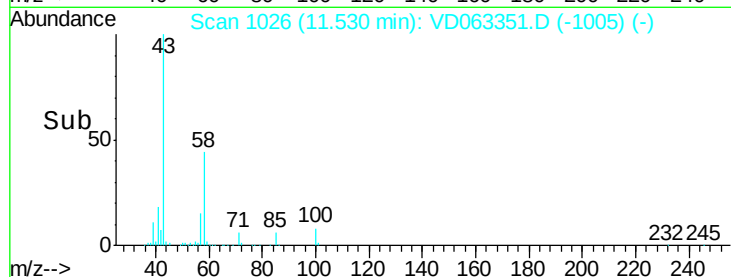
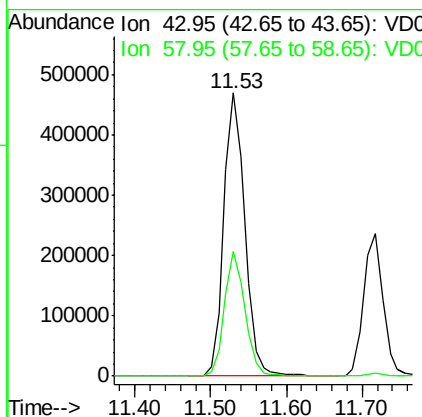
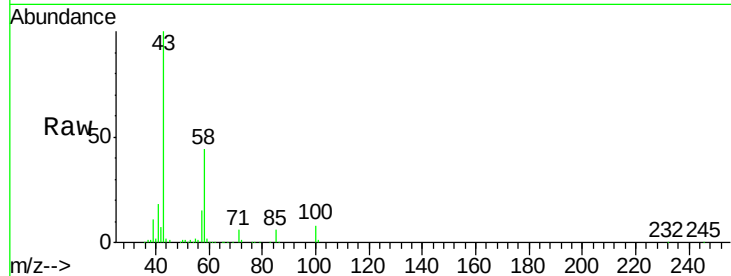




#59
2-Hexanone
Concen: 301.212 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

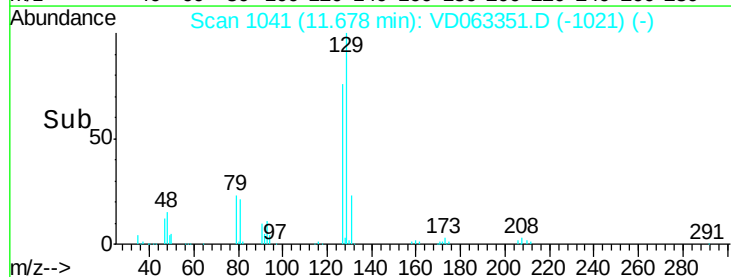
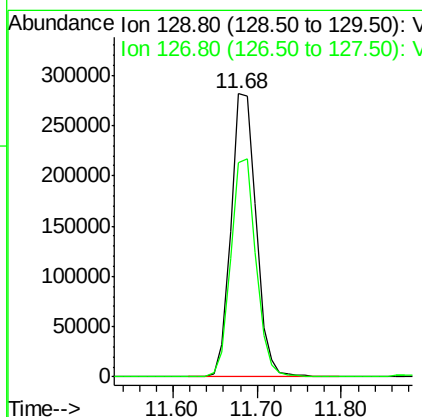
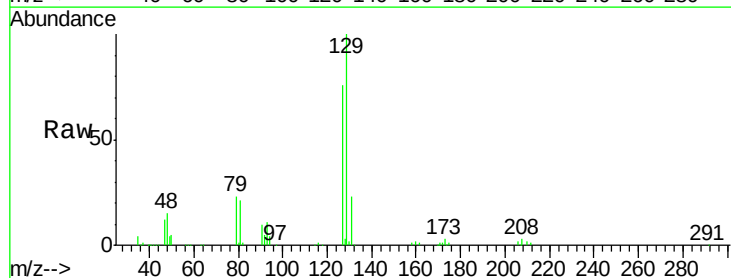
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

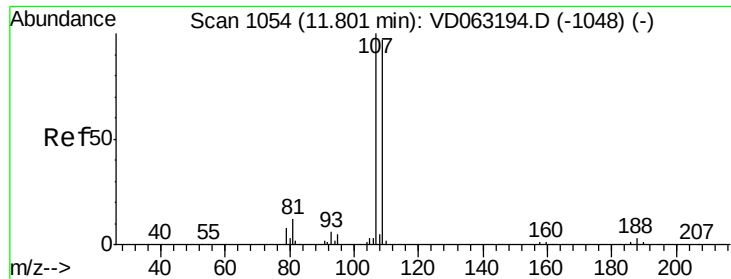
Tot Ion: 43 Resp: 903942
Ion Ratio Lower Upper
43 100
58 44.3 22.9 68.5



#60
Dibromochloromethane
Concen: 61.790 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 129 Resp: 585951
Ion Ratio Lower Upper
129 100
127 75.8 37.6 112.8

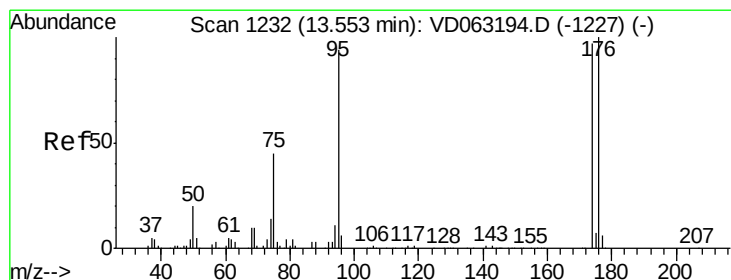
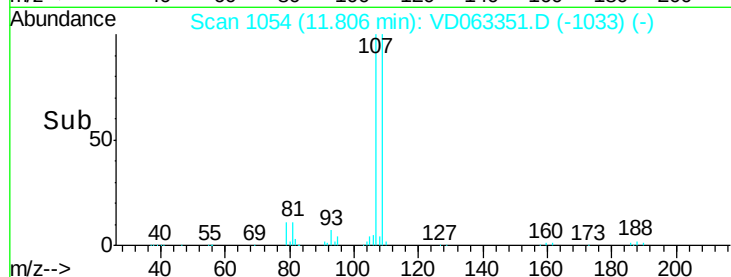
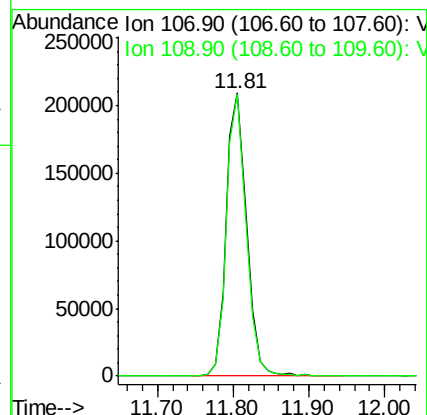
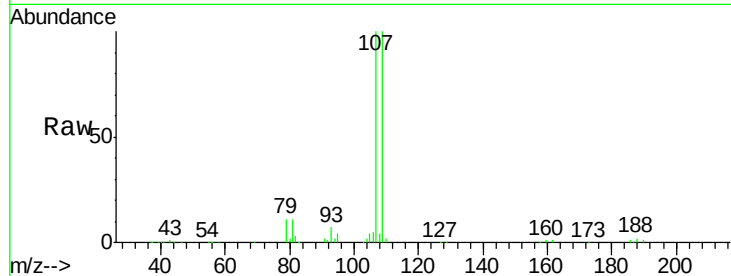




#61
1,2-Dibromoethane
Concen: 63.043 ug/l
RT: 11.81 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

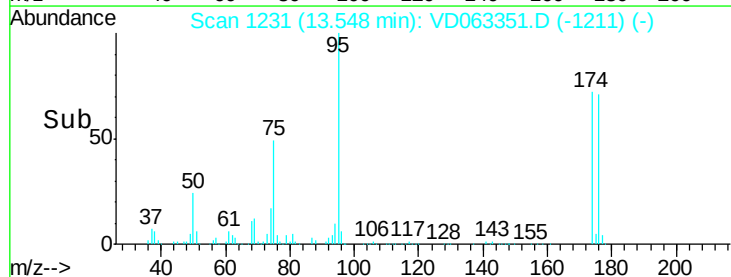
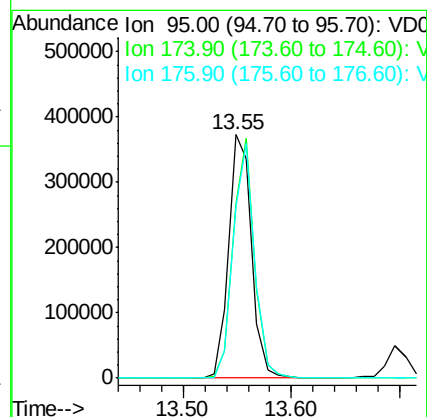
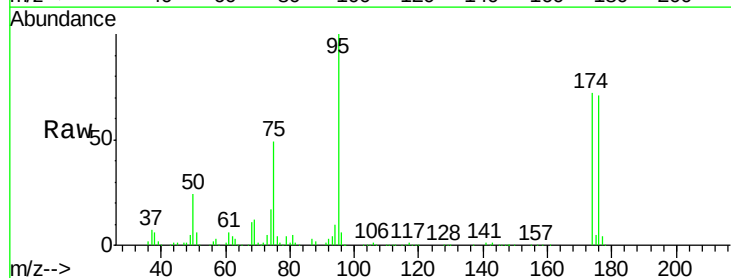
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

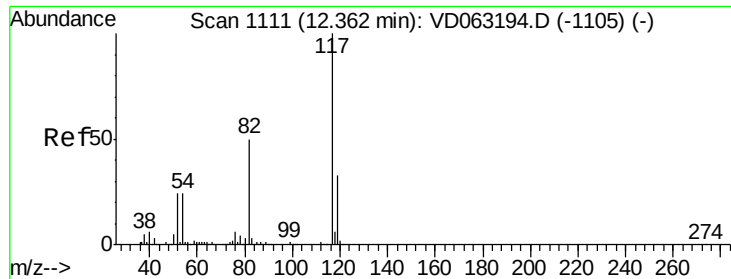
Tot Ion:107 Resp: 390763
Ion Ratio Lower Upper
107 100
109 99.5 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 53.496 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 95 Resp: 544594
Ion Ratio Lower Upper
95 100
174 71.8 0.0 205.4
176 70.6 0.0 211.8

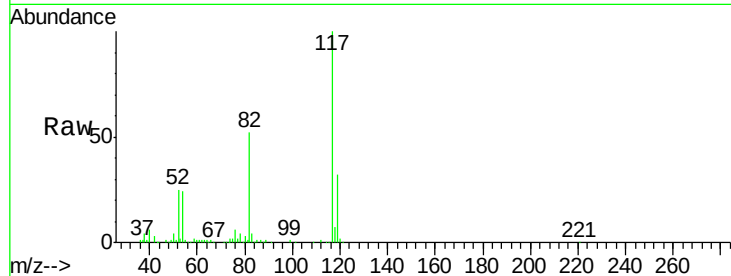




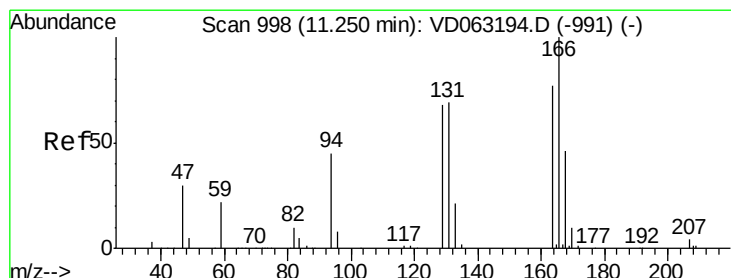
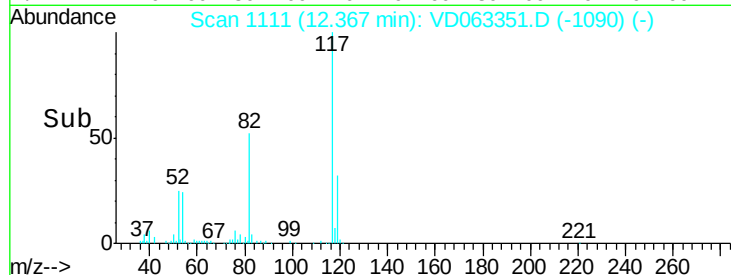
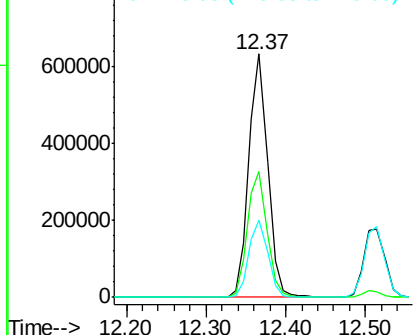
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1027490
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 31.9 26.5 39.7

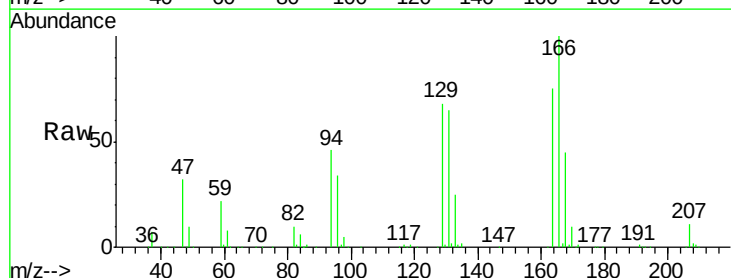


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

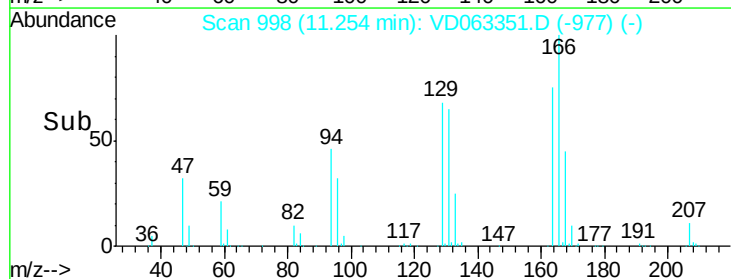
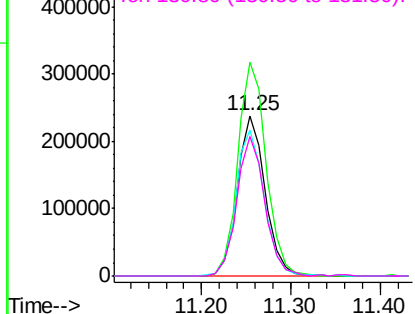


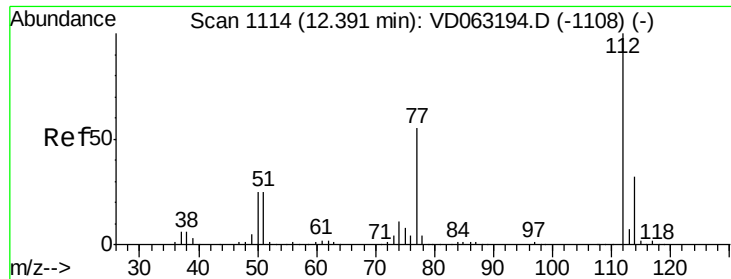
#64
Tetrachloroethene
Concen: 62.986 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:164 Resp: 515578
Ion Ratio Lower Upper
164 100
166 133.0 104.3 156.5
129 90.7 70.9 106.3
131 87.0 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

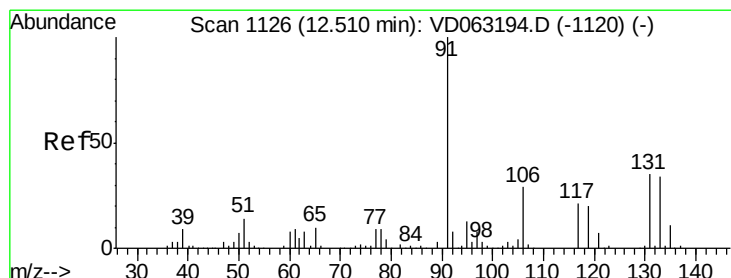
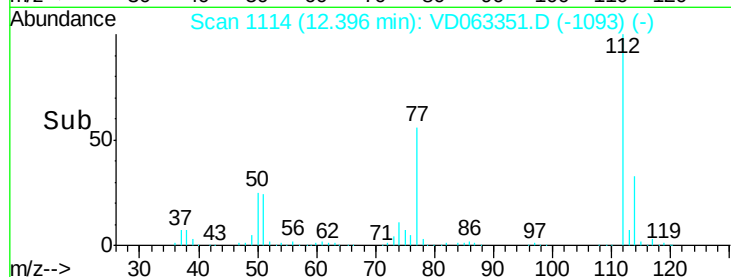
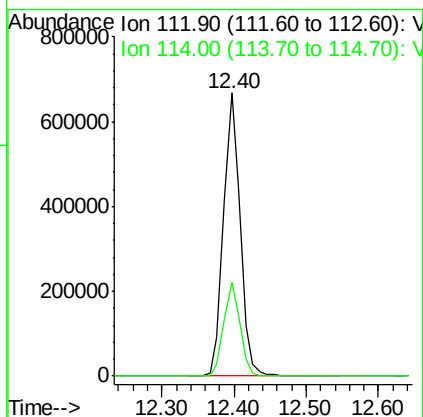
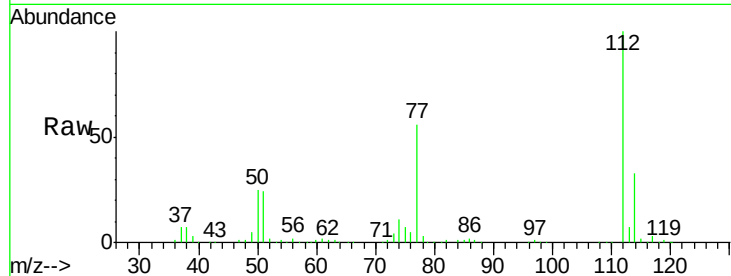




#65
Chlorobenzene
Concen: 53.791 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

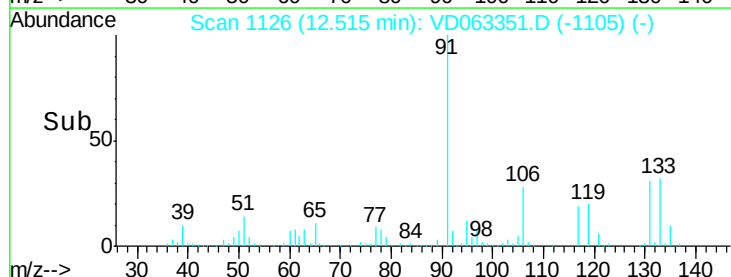
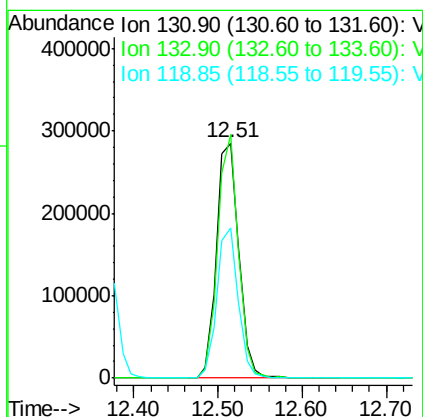
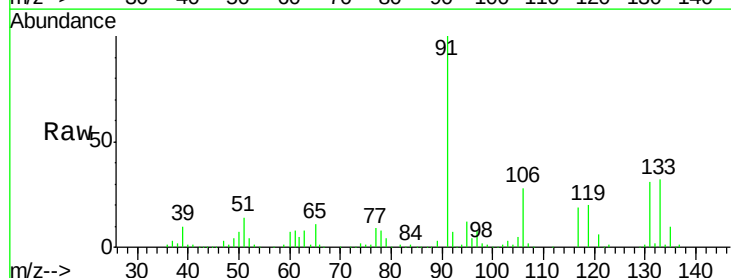
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

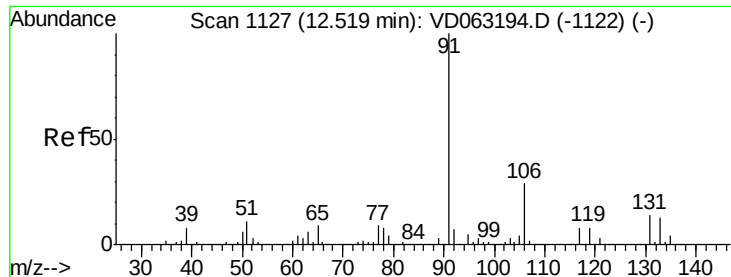
Tot Ion:112 Resp: 1063092
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 60.304 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:131 Resp: 524976
Ion Ratio Lower Upper
131 100
133 103.7 48.4 145.2
119 64.1 29.1 87.3

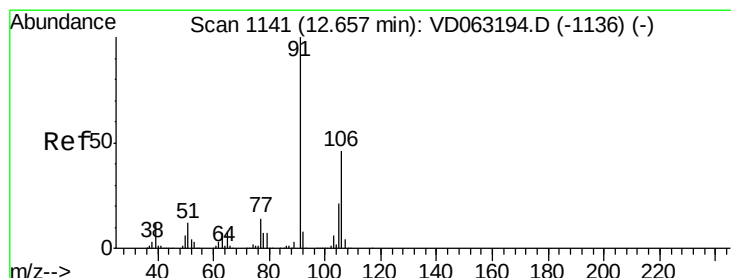
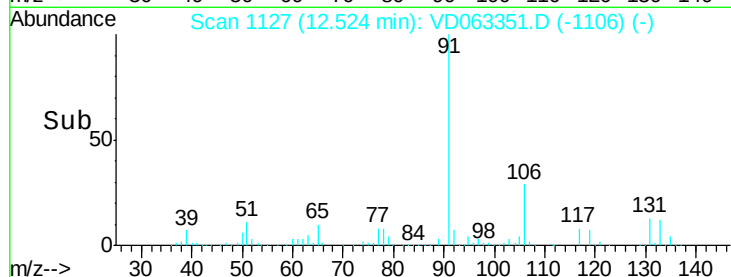
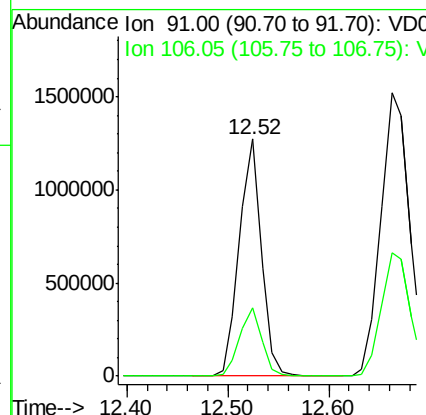
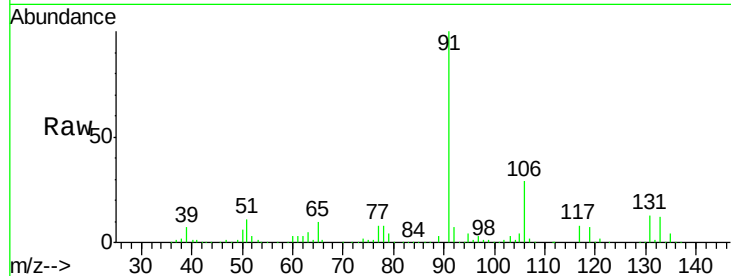




#67
Ethyl Benzene
Concen: 57.851 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

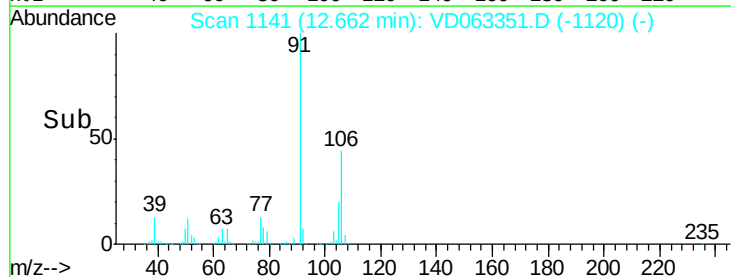
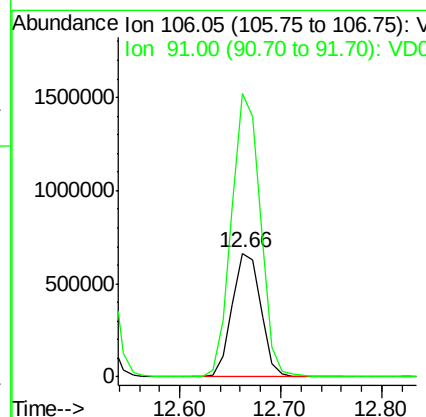
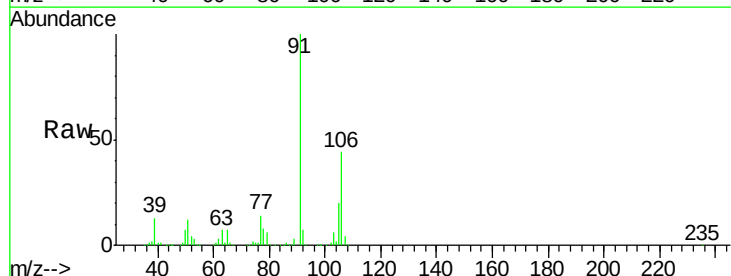
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

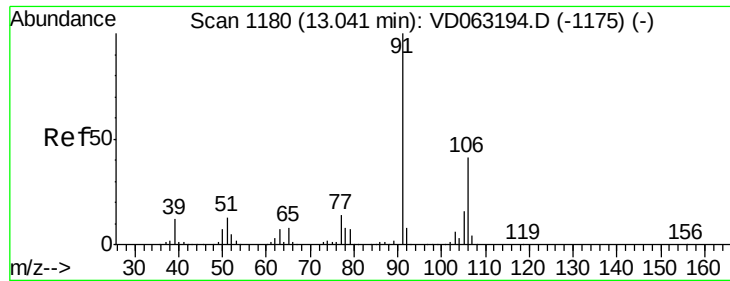
Tot Ion: 91 Resp: 1942247
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3



#68
m/p-Xylenes
Concen: 106.957 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:106 Resp: 1316894
Ion Ratio Lower Upper
106 100
91 228.7 172.6 259.0

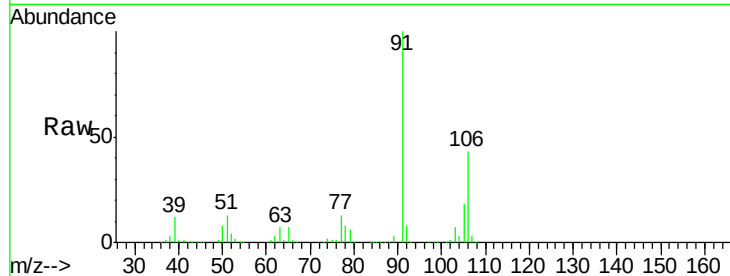




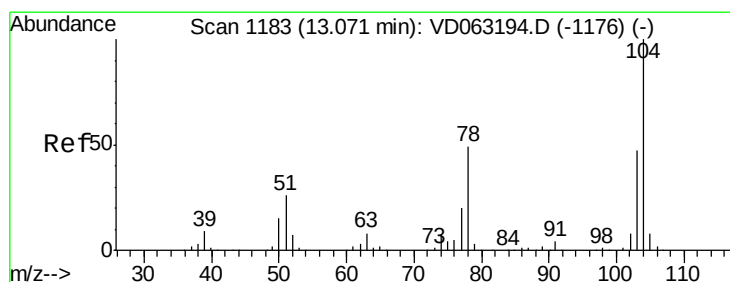
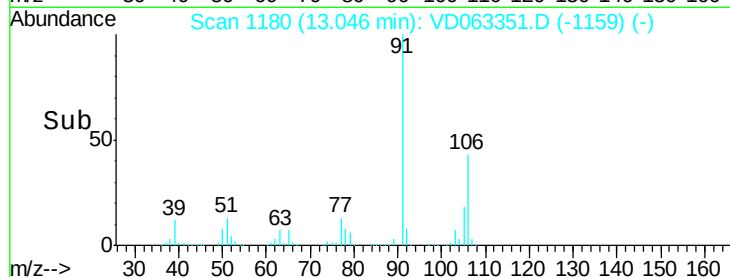
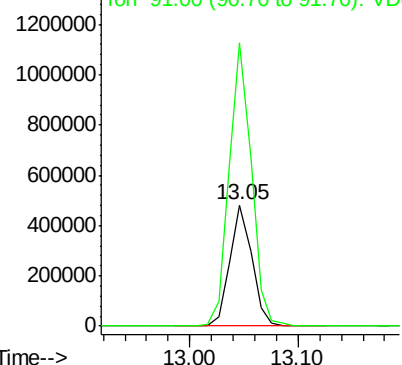
#69
o-Xylene
Concen: 60.604 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 685220
Ion Ratio Lower Upper
106 100
91 233.7 121.3 363.9

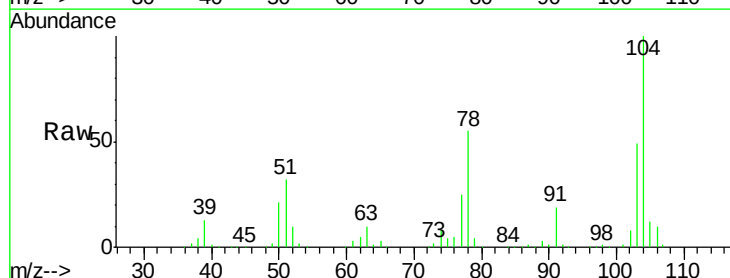


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

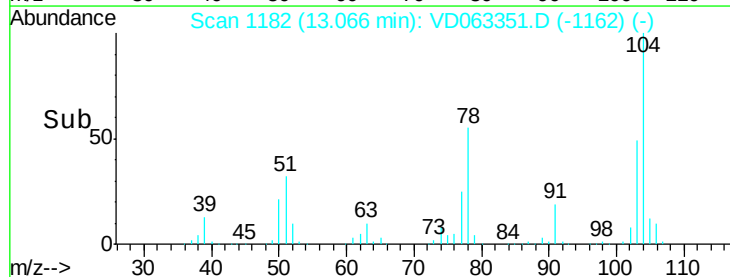
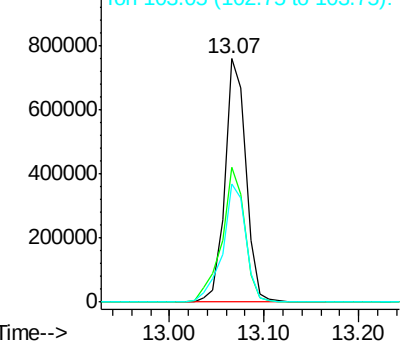


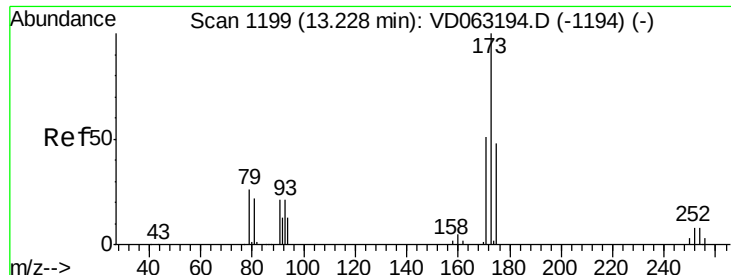
#70
Styrene
Concen: 58.225 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:104 Resp: 1167479
Ion Ratio Lower Upper
104 100
78 55.2 39.4 59.0
103 48.6 37.4 56.2



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

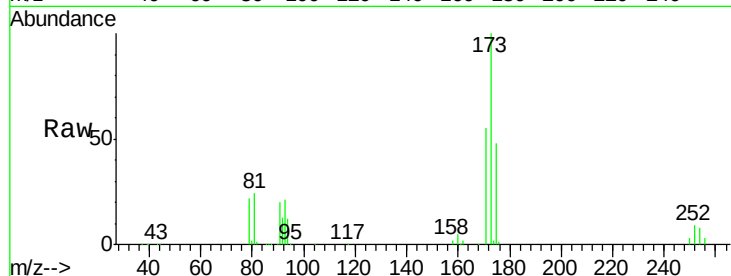




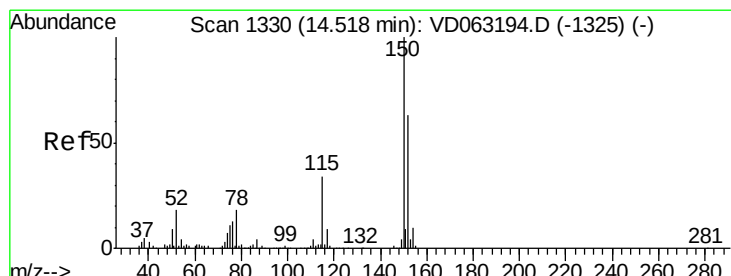
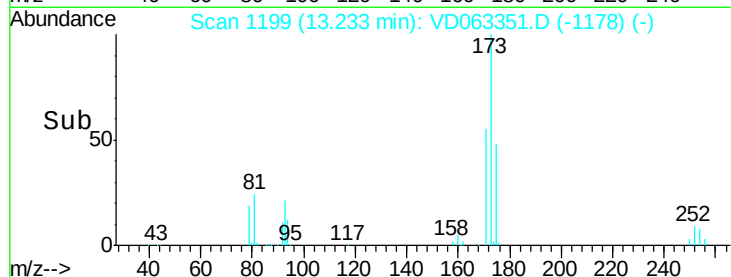
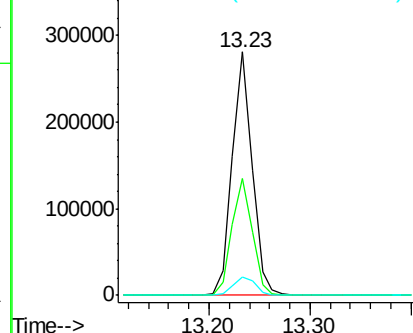
#71
Bromoform
Concen: 60.880 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 385418
Ion Ratio Lower Upper
173 100
175 48.3 23.8 71.5
254 7.8 6.6 10.0

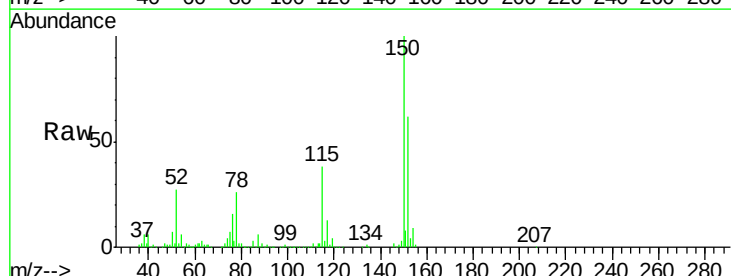


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

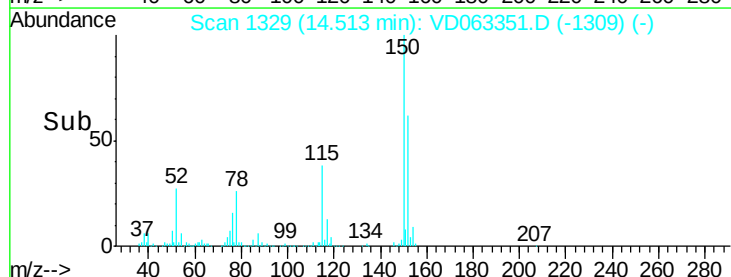
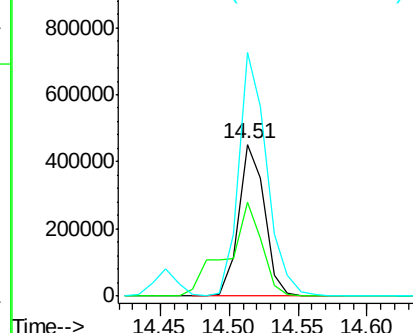


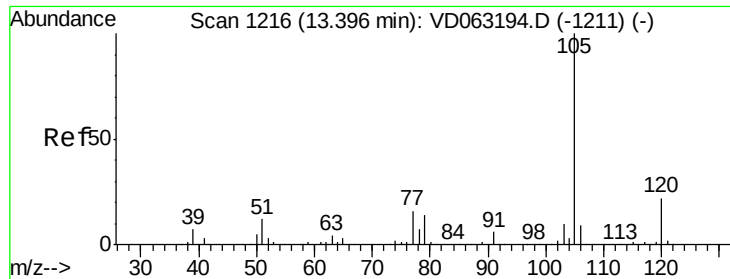
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:152 Resp: 591635
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.4
150 160.4 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: 55.294 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

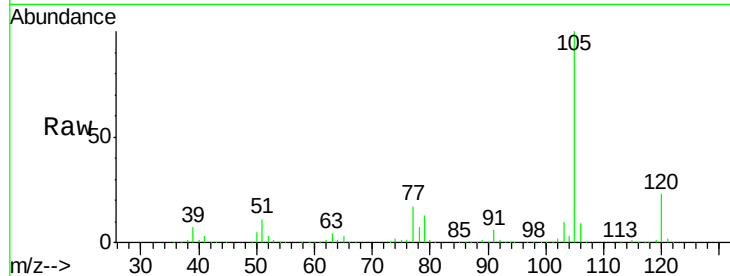
VSTDCCC050EC

Tot Ion:105 Resp: 2053217

Ion Ratio Lower Upper

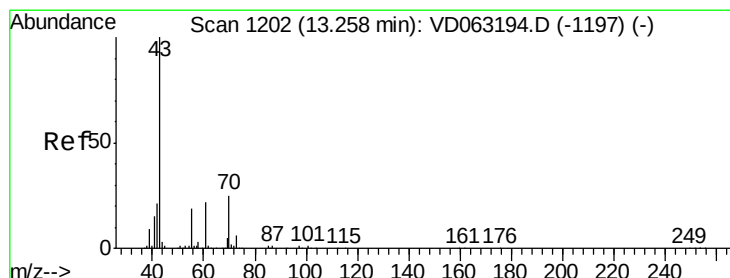
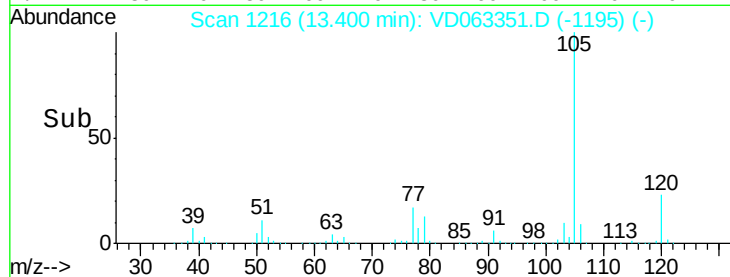
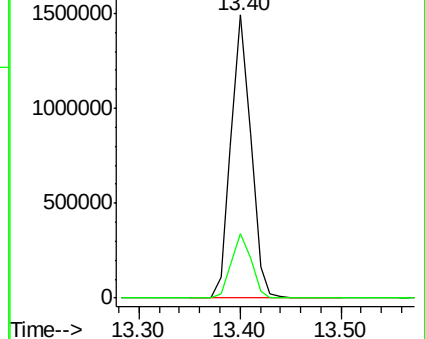
105 100

120 22.9 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.866 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Tgt Ion: 43 Resp: 499322

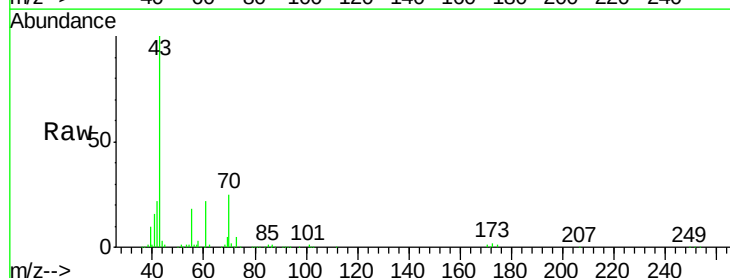
Ion Ratio Lower Upper

43 100

70 25.3 20.2 30.4

55 18.0 14.9 22.3

61 21.8 17.9 26.9

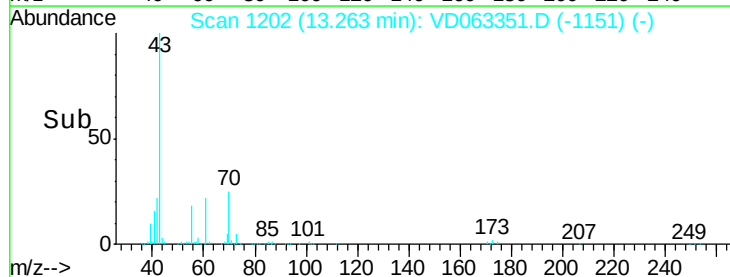
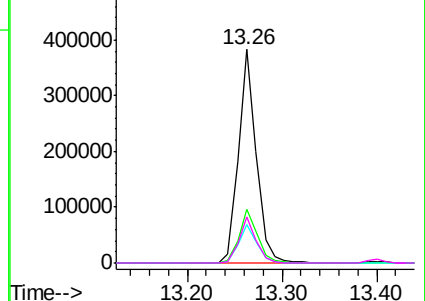


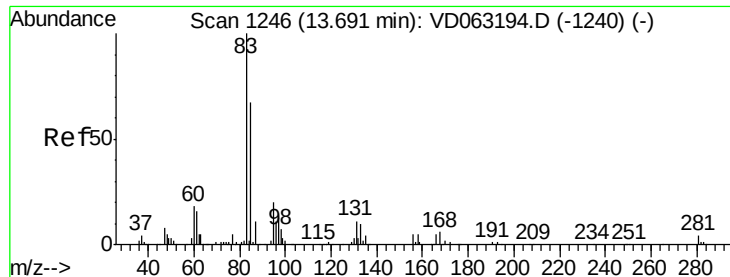
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.216 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

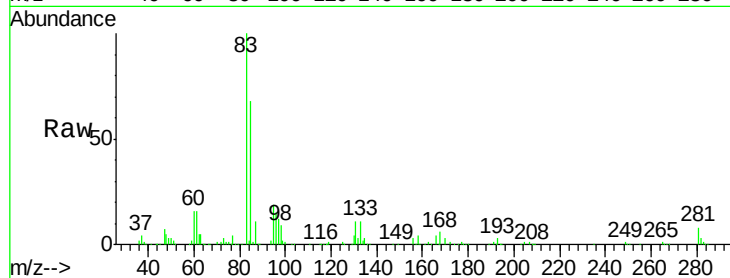
Tot Ion: 83 Resp: 354585

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

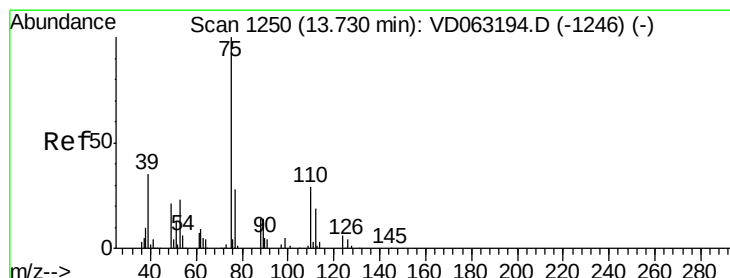
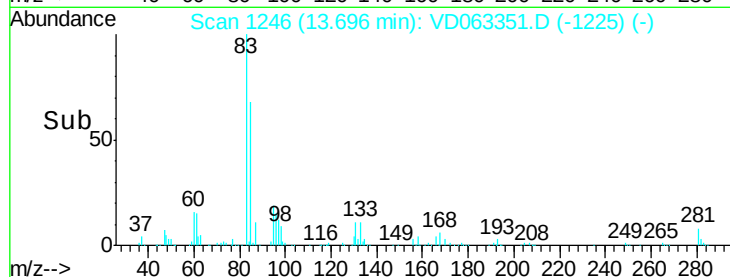
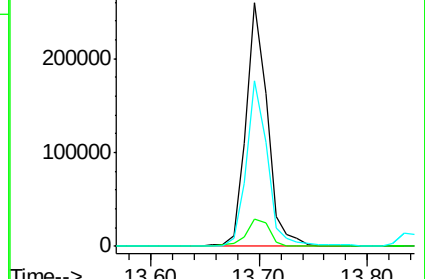
85 67.7 33.7 101.1



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: 55.011 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063351.D

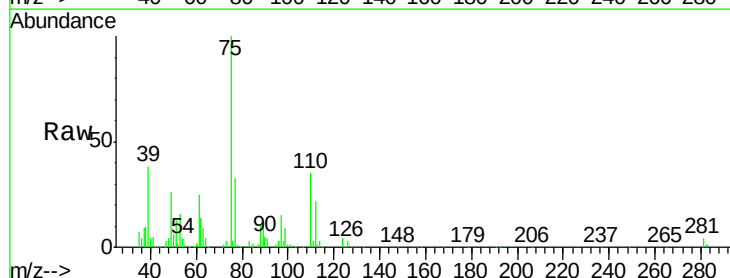
Acq: 3 Aug 2019 8:42

Tgt Ion: 75 Resp: 390924

Ion Ratio Lower Upper

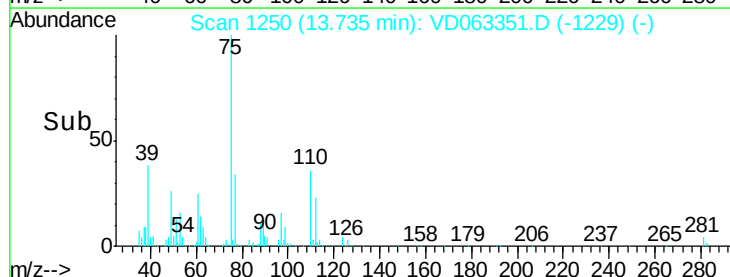
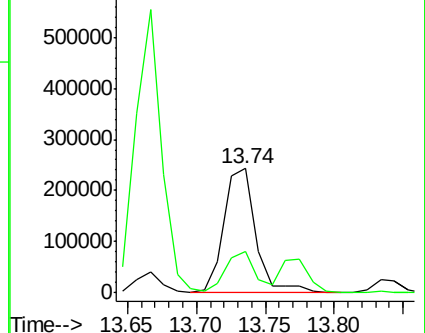
75 100

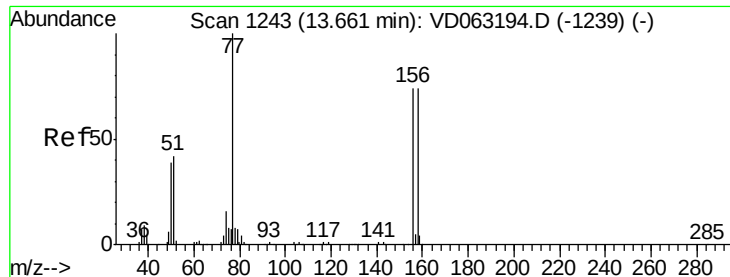
77 33.5 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.690 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

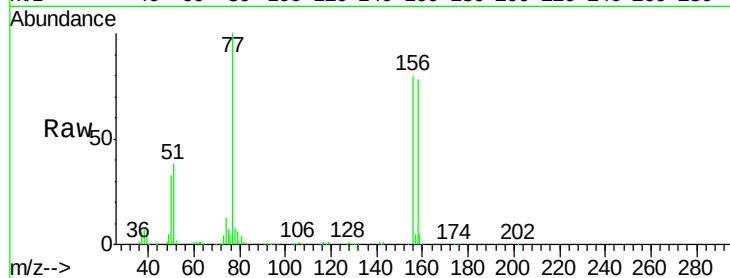
Tot Ion:156 Resp: 578508

Ion Ratio Lower Upper

156 100

77 125.3 67.6 202.8

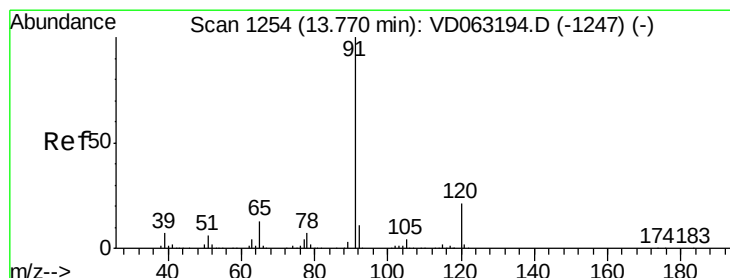
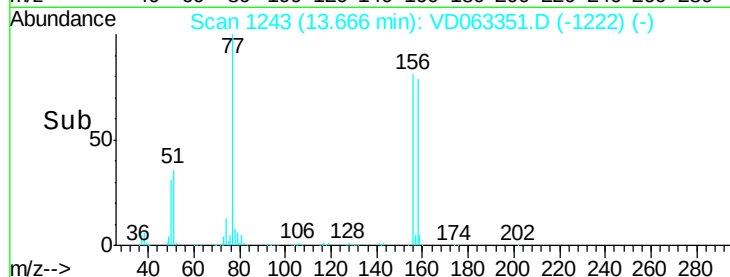
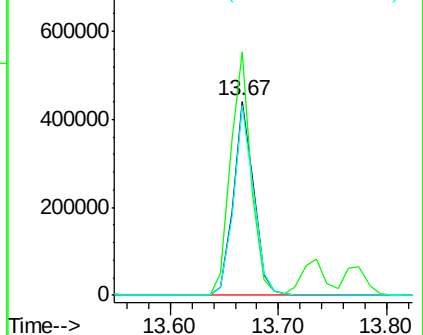
158 97.5 49.8 149.4



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: 53.056 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063351.D

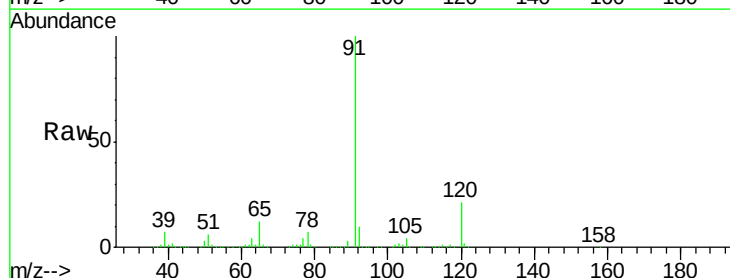
Acq: 3 Aug 2019 8:42

Tgt Ion: 91 Resp: 2344503

Ion Ratio Lower Upper

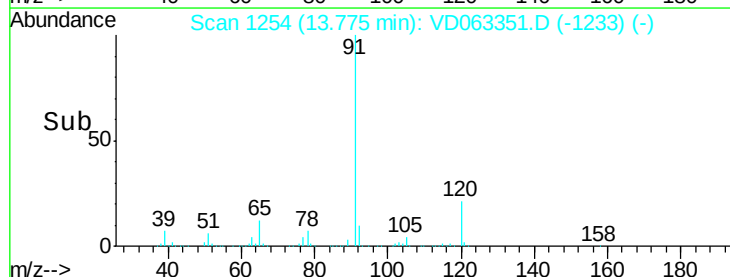
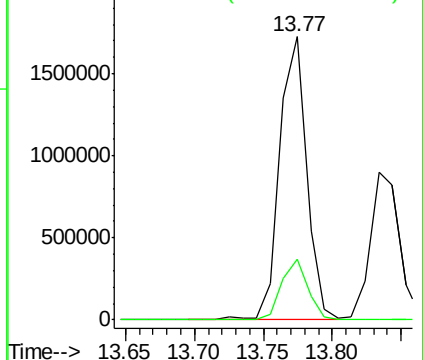
91 100

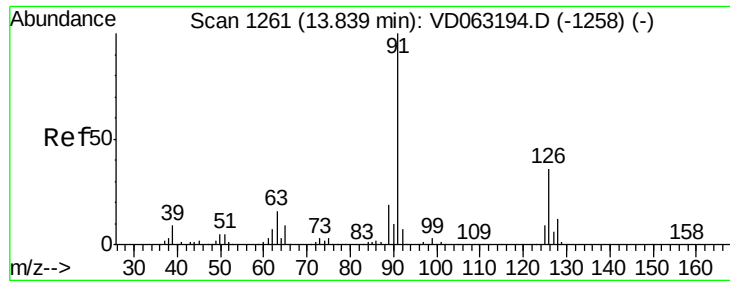
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

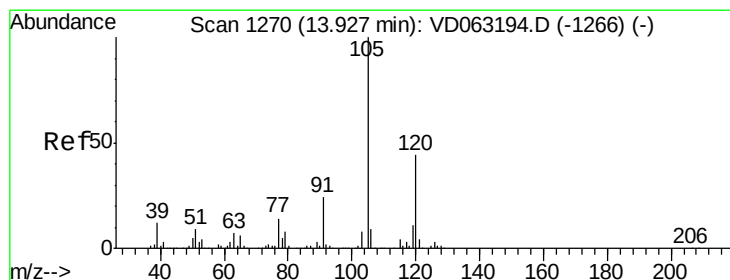
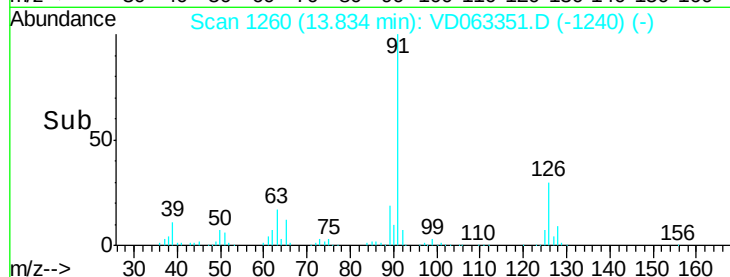
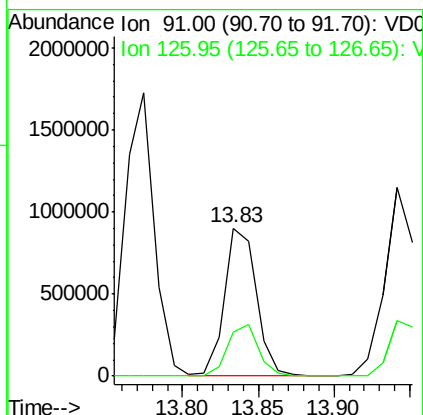
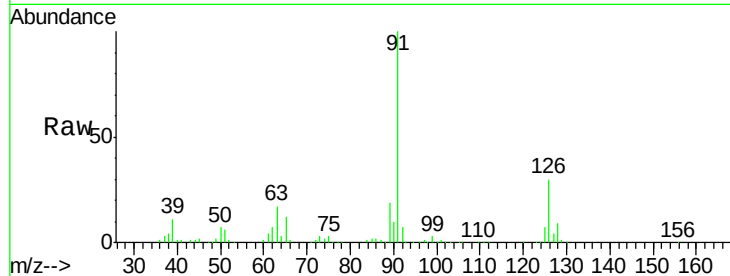




#79
 2-Chlorotoluene
 Concen: 51.684 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

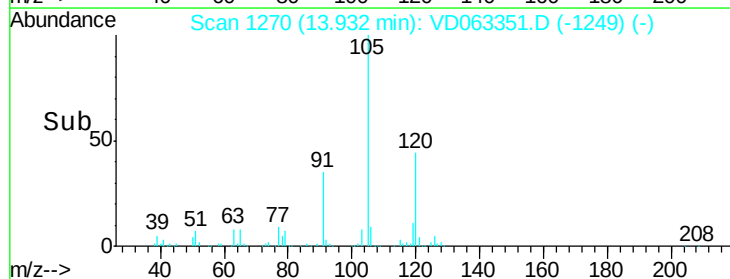
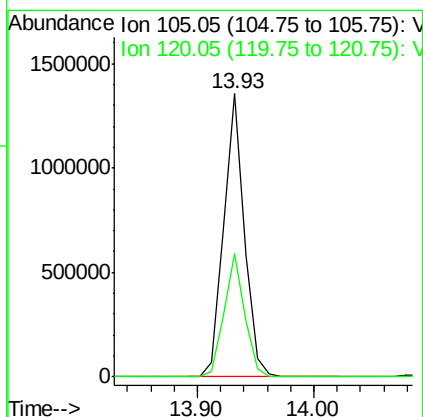
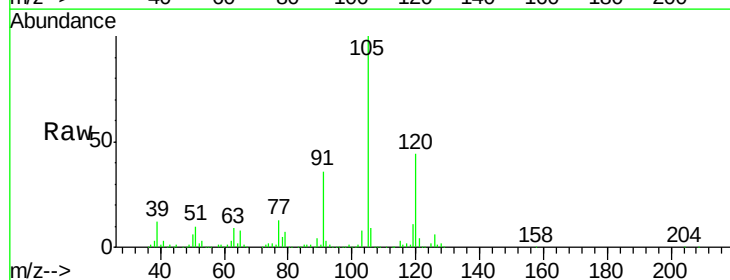
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

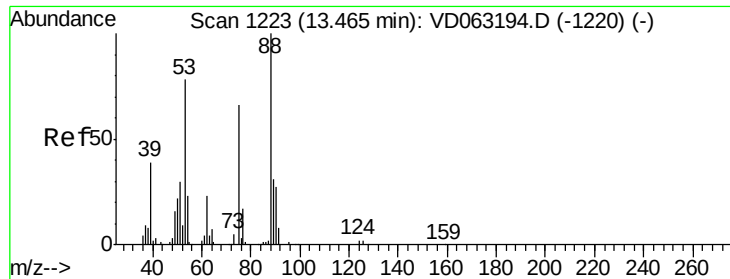
Tot Ion: 91 Resp: 1323340
 Ion Ratio Lower Upper
 91 100
 126 29.8 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.741 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:105 Resp: 1657112
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 49.761 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

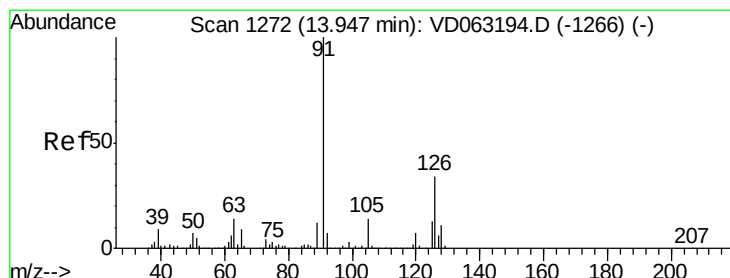
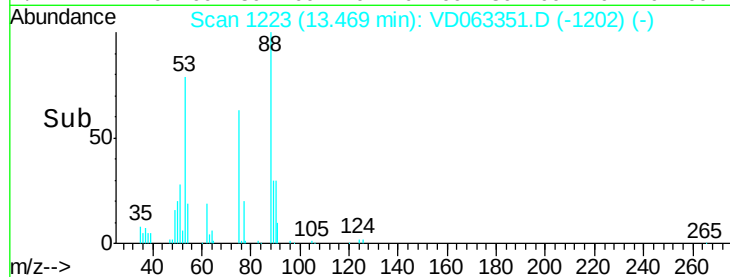
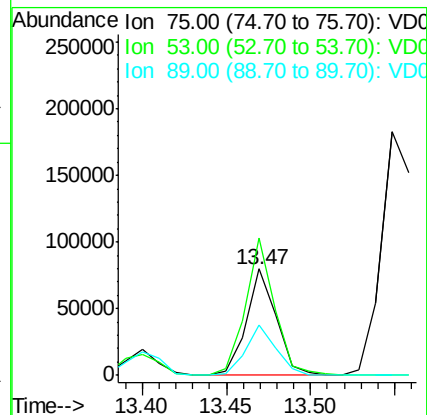
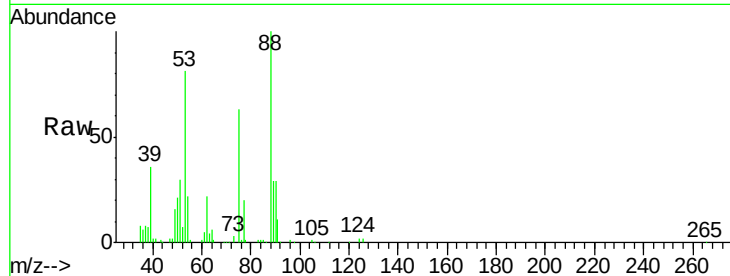
Tot Ion: 75 Resp: 98192

Ion Ratio Lower Upper

75 100

53 128.6 94.9 142.3

89 46.7 37.4 56.0



#82

4-Chlorotoluene

Concen: 54.243 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063351.D

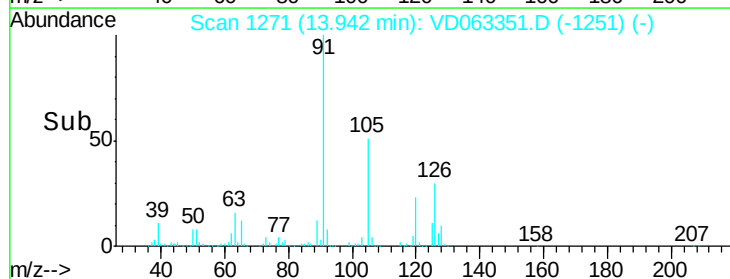
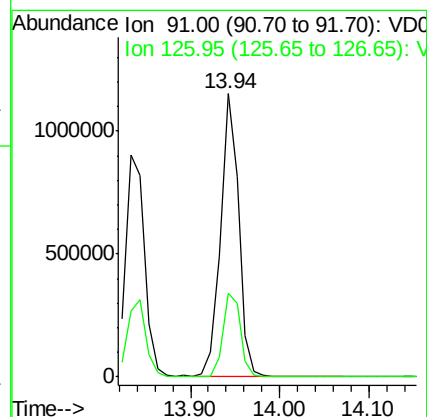
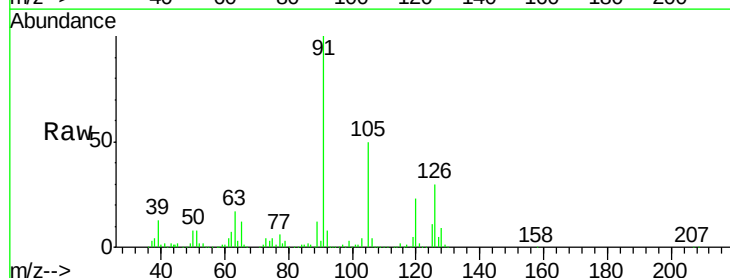
Acq: 3 Aug 2019 8:42

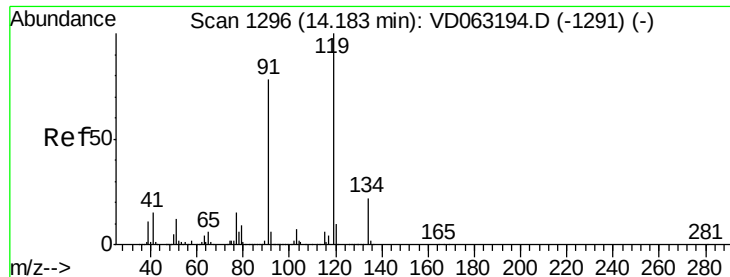
Tgt Ion: 91 Resp: 1634523

Ion Ratio Lower Upper

91 100

126 29.7 17.1 51.2

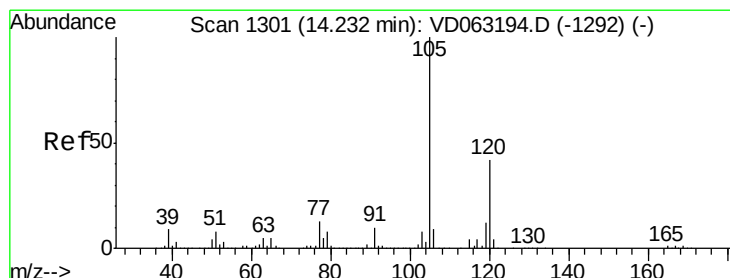
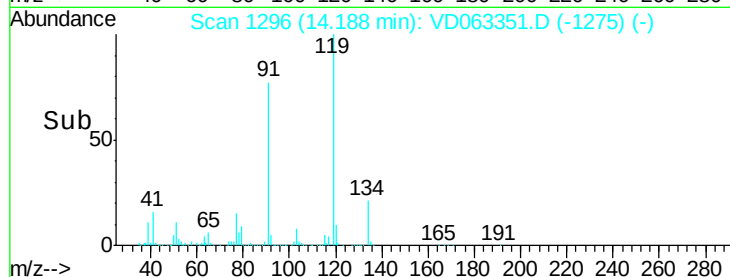
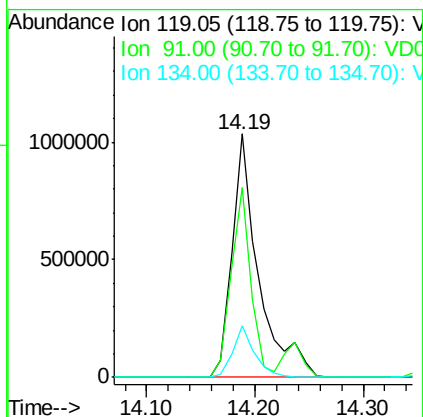
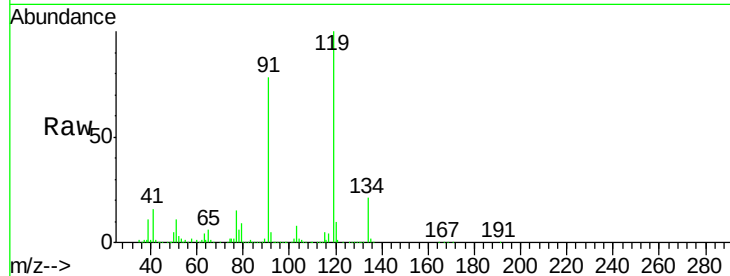




#83
 tert-Butylbenzene
 Concen: 48.487 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

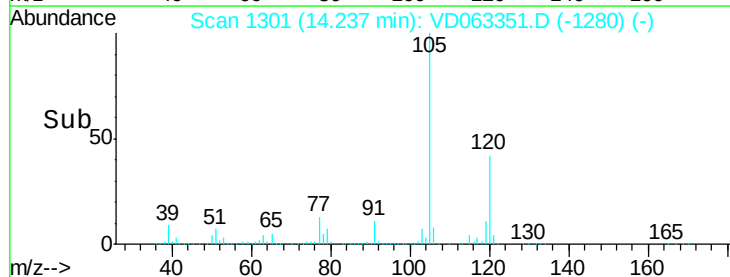
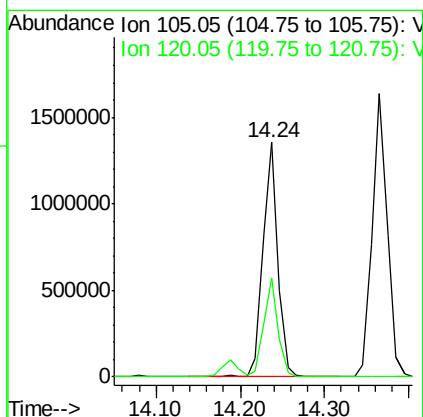
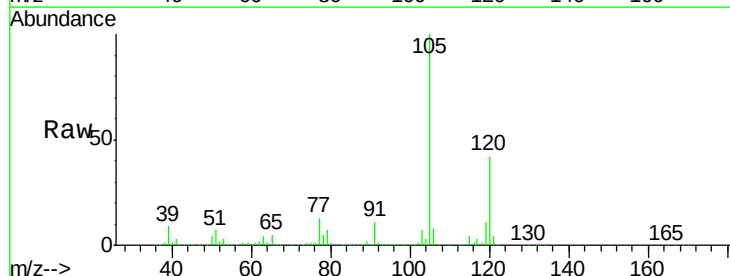
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

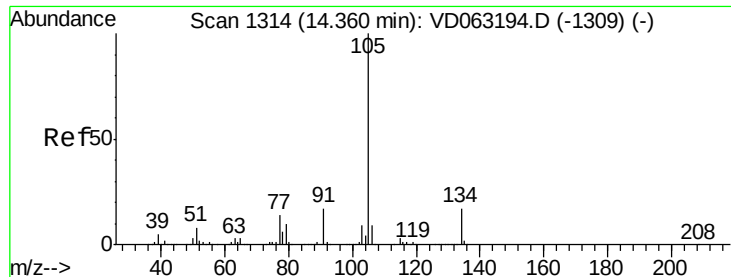
Tot Ion:119 Resp: 1773094
 Ion Ratio Lower Upper
 119 100
 91 77.8 39.1 117.5
 134 21.2 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.500 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:105 Resp: 1706041
 Ion Ratio Lower Upper
 105 100
 120 42.4 20.9 62.7





#85

sec-Butylbenzene

Concen: 52.620 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

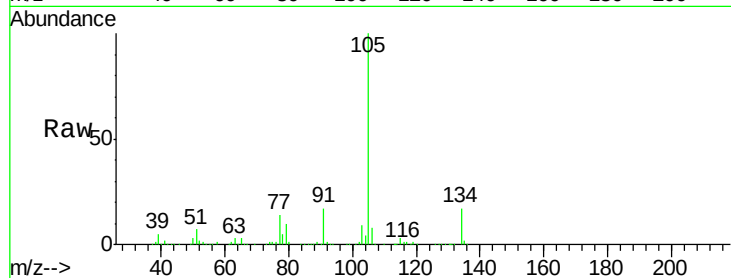
VSTDCCC050EC

Tot Ion:105 Resp: 2027347

Ion Ratio Lower Upper

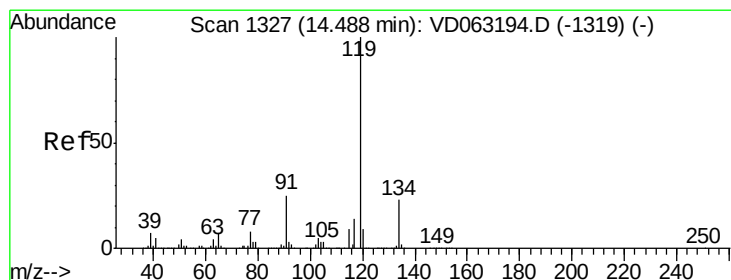
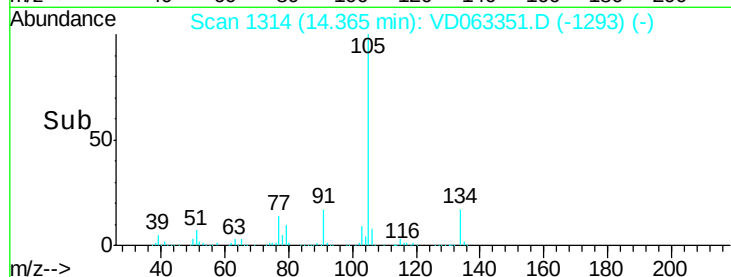
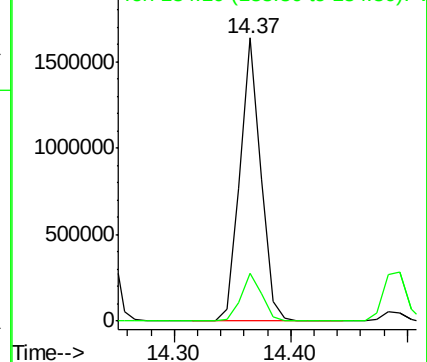
105 100

134 17.0 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.872 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063351.D

Acq: 3 Aug 2019 8:42

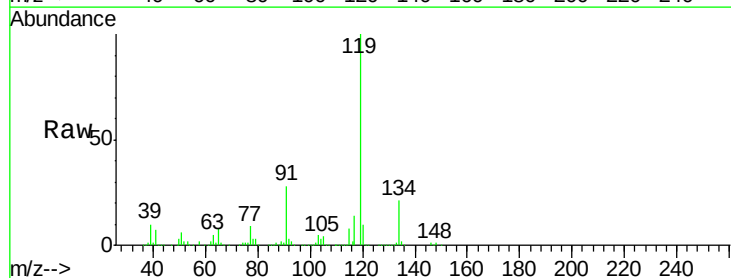
Tgt Ion:119 Resp: 1833963

Ion Ratio Lower Upper

119 100

134 21.3 11.5 34.5

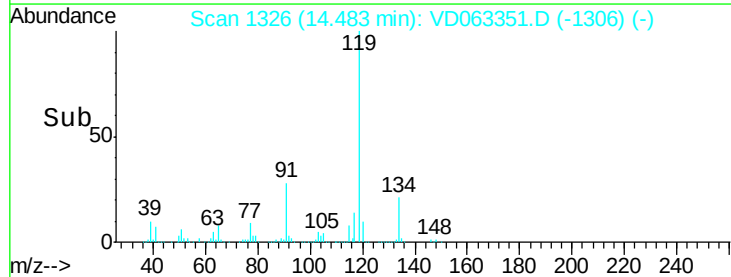
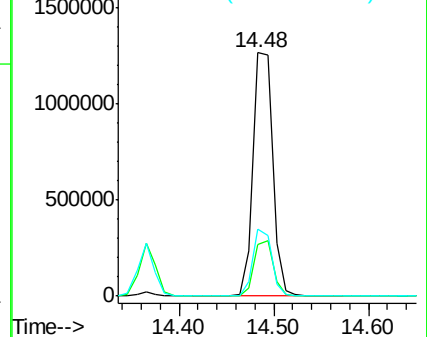
91 27.7 12.6 37.6

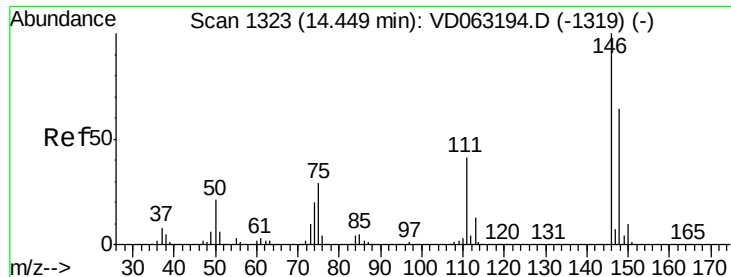


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

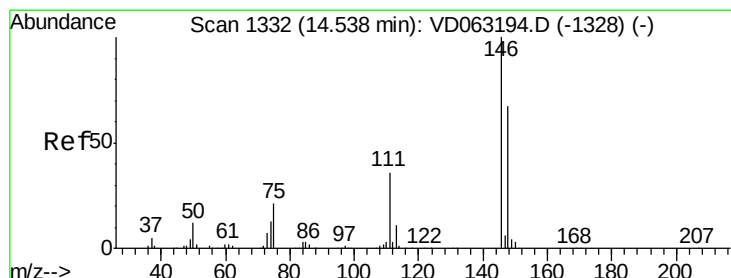
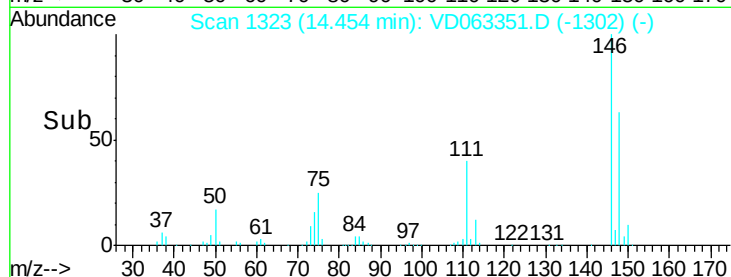
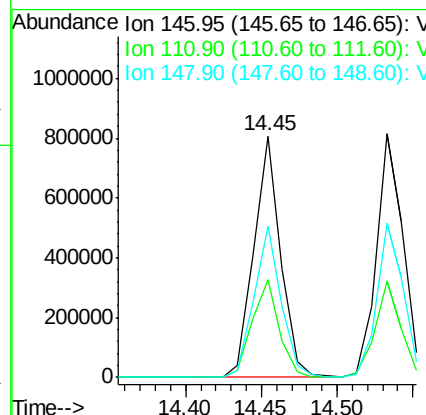
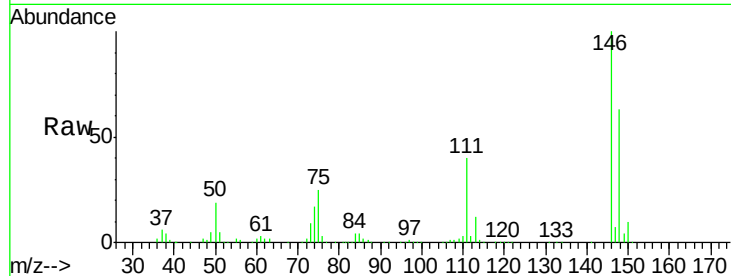




#87
 1,3-Dichlorobenzene
 Concen: 52.868 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

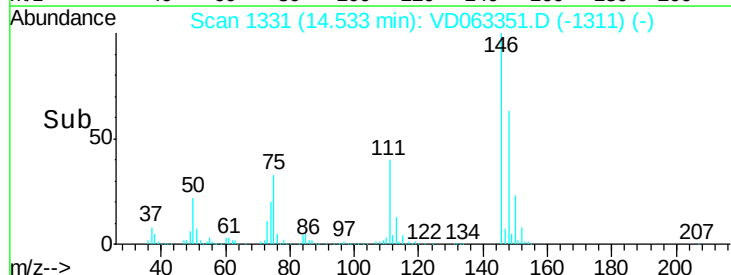
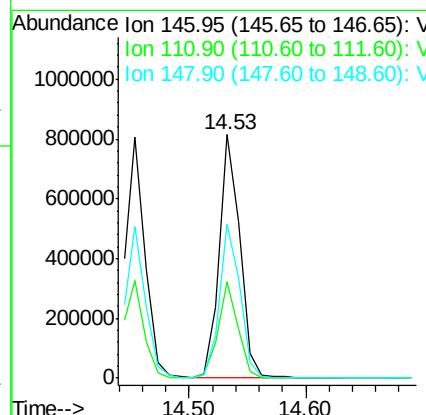
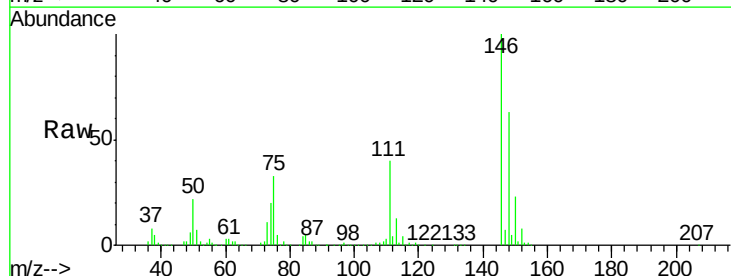
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

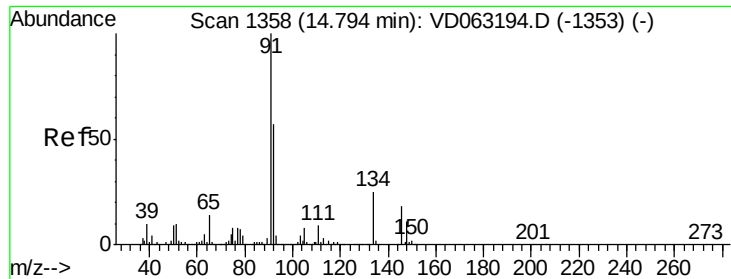
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.1	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.720 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.1	54.3
148	63.3	33.4	100.1

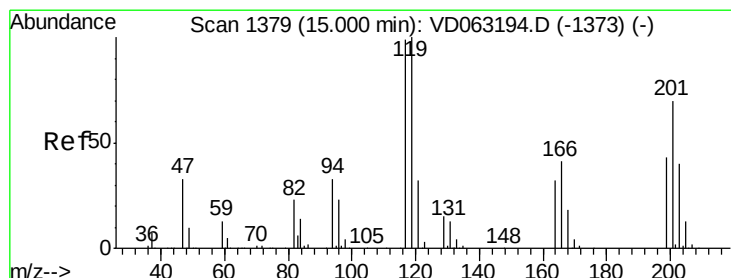
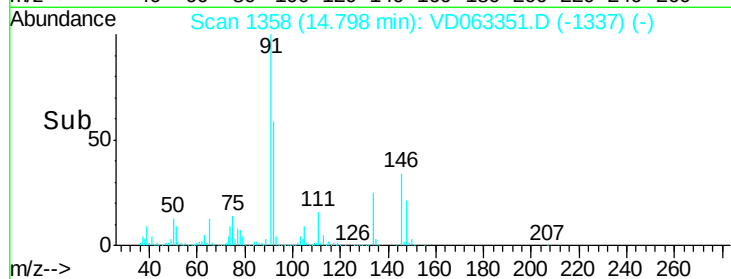
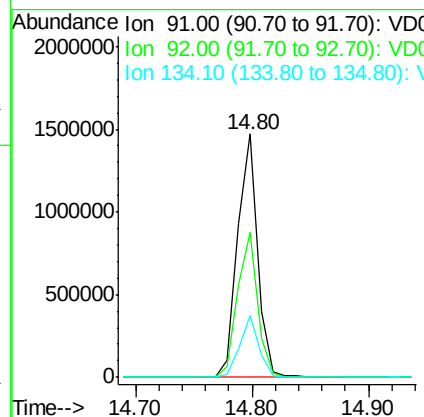
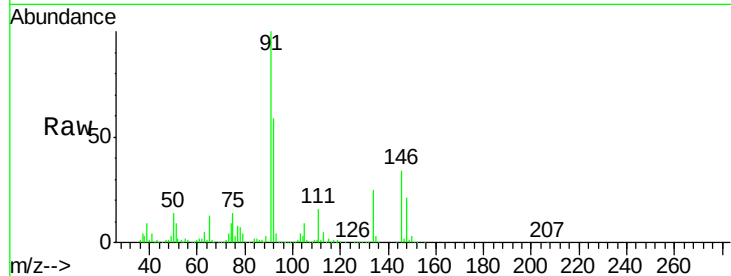




#89
n-Butylbenzene
Concen: 55.166 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

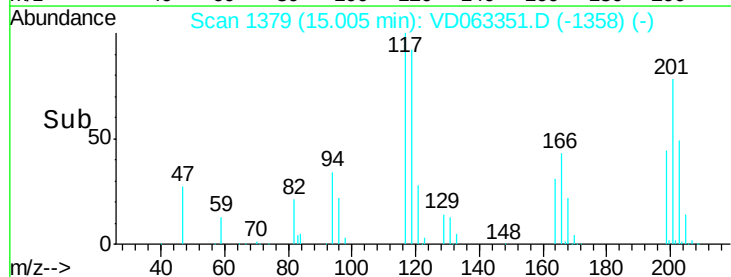
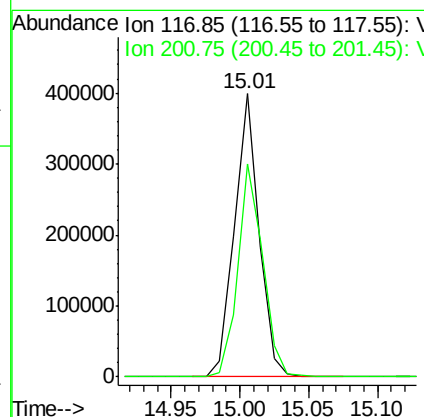
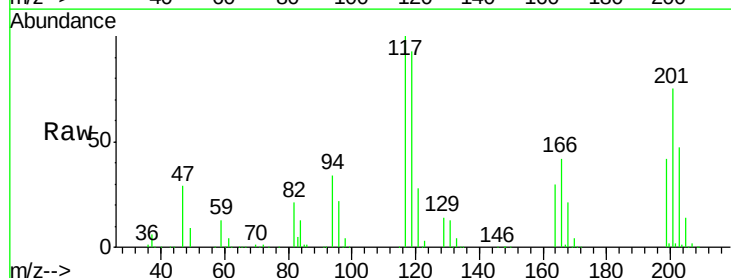
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

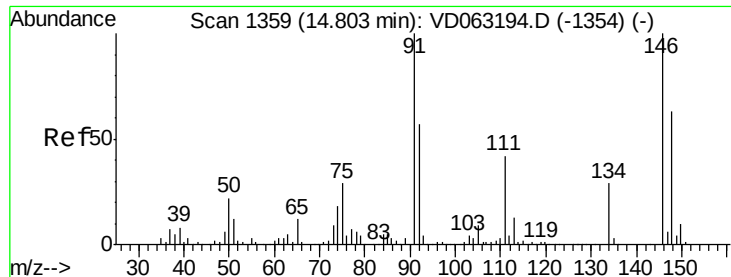
Tot Ion: 91 Resp: 1752115
Ion Ratio Lower Upper
91 100
92 59.5 28.3 85.0
134 25.2 12.3 36.8



#90
Hexachloroethane
Concen: 51.380 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 117 Resp: 492257
Ion Ratio Lower Upper
117 100
201 75.5 35.2 105.6

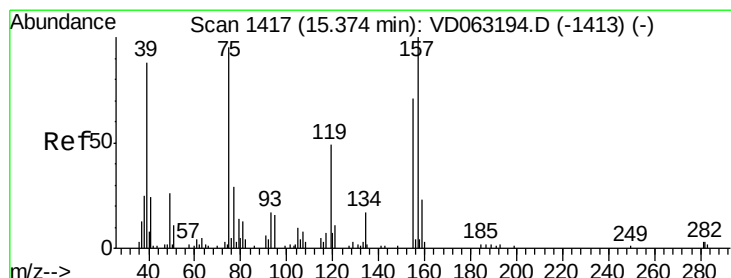
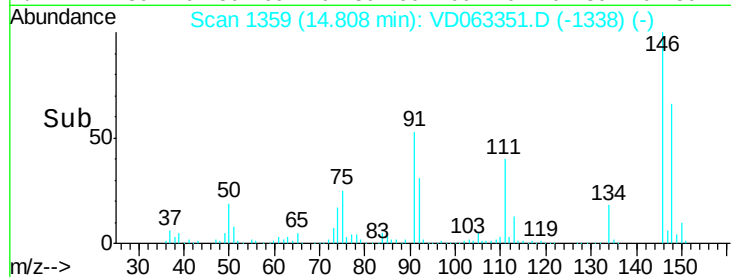
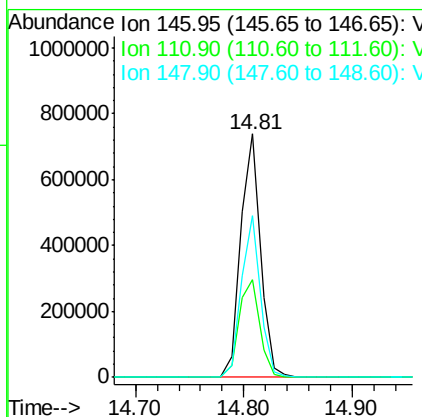
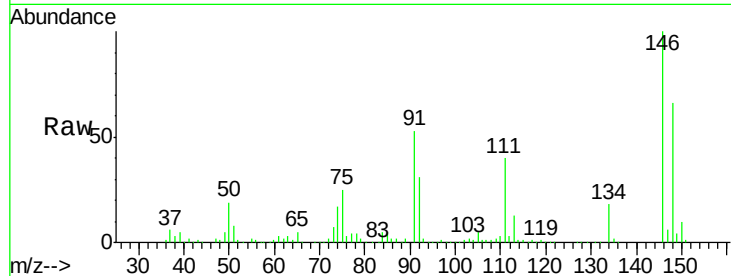




#91
 1,2-Dichlorobenzene
 Concen: 57.405 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

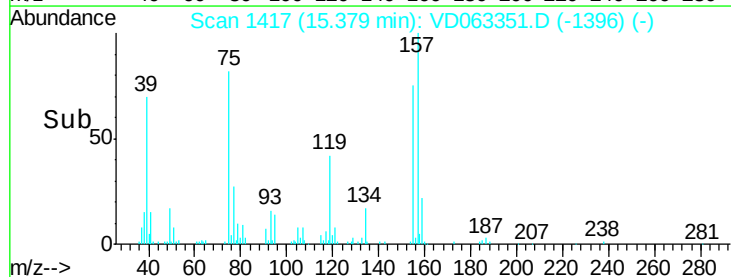
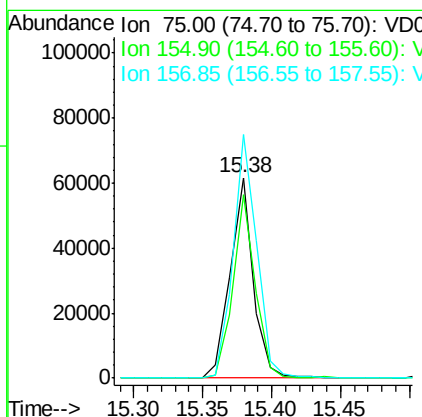
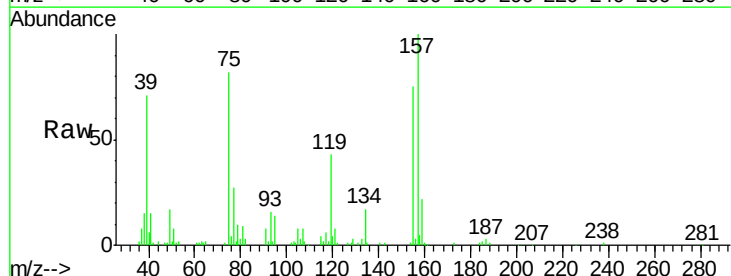
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

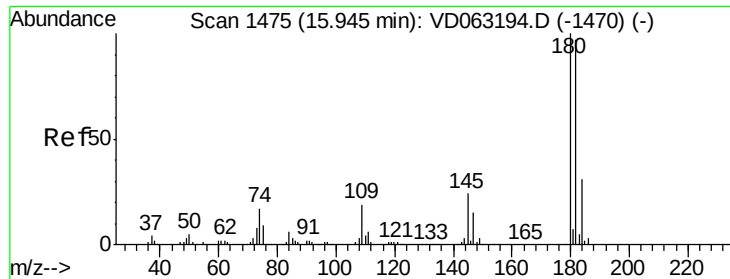
Tot Ion:146 Resp: 936946
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.3
 148 66.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.043 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 75 Resp: 72004
 Ion Ratio Lower Upper
 75 100
 155 91.6 37.0 111.0
 157 121.6 52.4 157.2

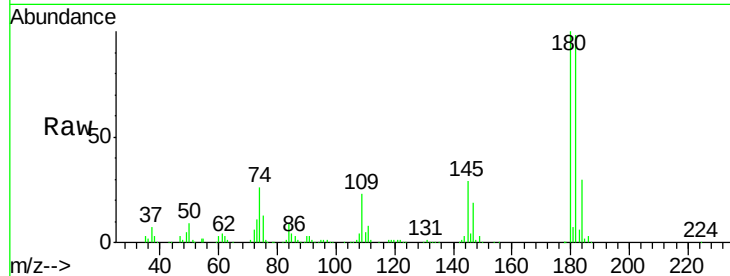




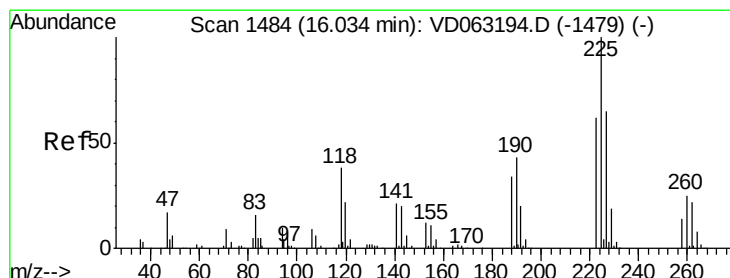
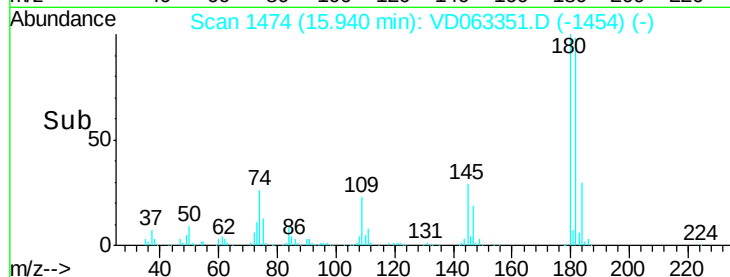
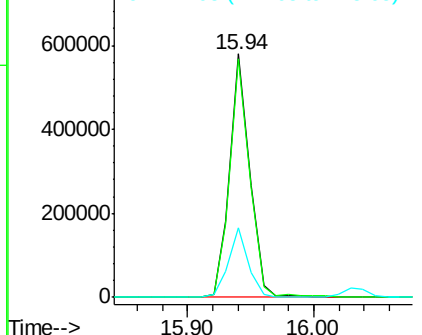
#93
 1,2,4-Trichlorobenzene
 Concen: 49.261 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 637828
 Ion Ratio Lower Upper
 180 100
 182 98.1 48.6 145.8
 145 28.6 12.2 36.6

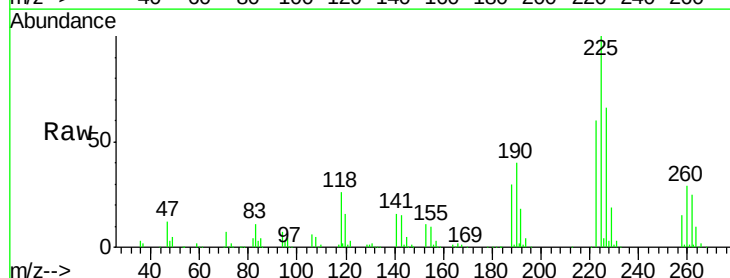


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

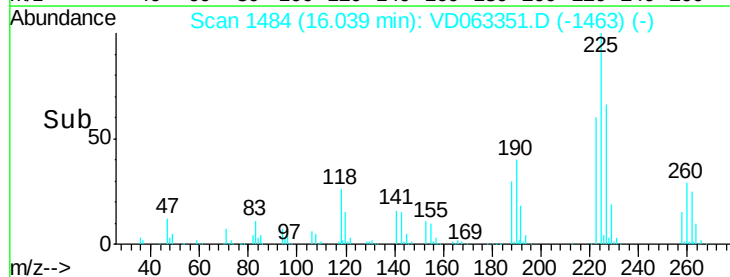
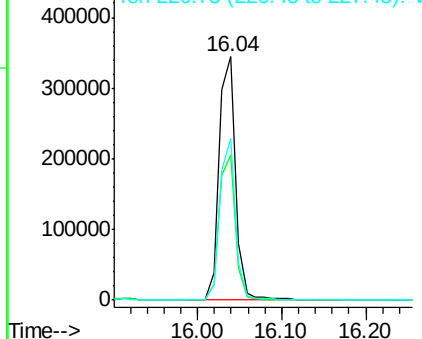


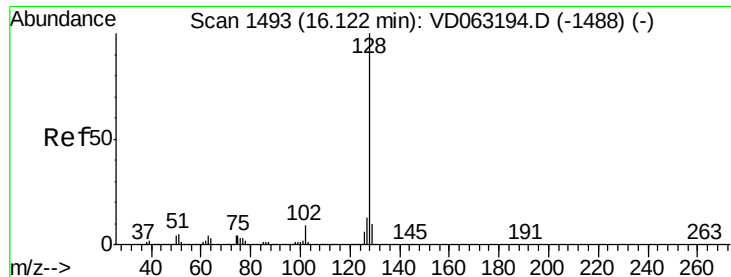
#94
 Hexachlorobutadiene
 Concen: 49.794 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:225 Resp: 467222
 Ion Ratio Lower Upper
 225 100
 223 59.5 30.9 92.5
 227 66.5 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

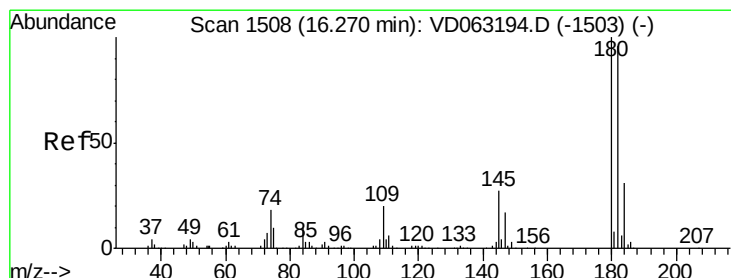
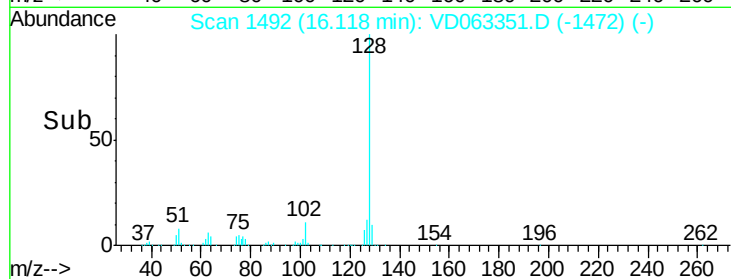
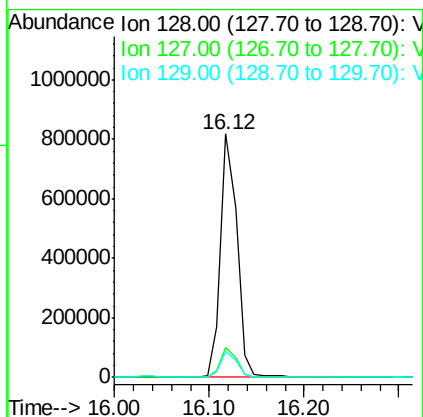
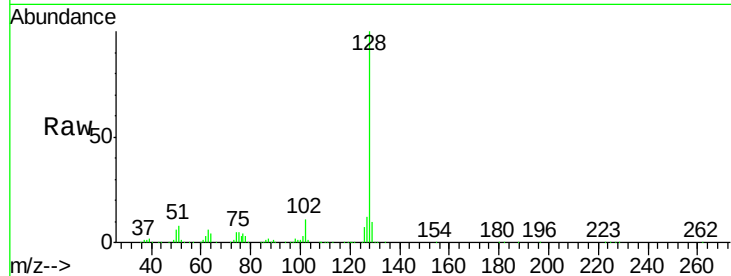




#95
Naphthalene
Concen: 54.264 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 993063
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.5 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 52.593 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:180 Resp: 537965
Ion Ratio Lower Upper
180 100
182 95.6 48.3 144.9
145 31.7 13.6 40.7

