

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063571.D
 Acq On : 14 Aug 2019 13:07
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 15 11:58:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1210776	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1659969	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1393982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	754439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	543313	41.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	83.96%	
35) Dibromofluoromethane	6.93	113	608681	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
50) Toluene-d8	10.42	98	1420021	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	13.56	95	569999	40.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	742033	50.657	ug/l	98
3) Chloromethane	1.75	50	576628	50.383	ug/l	97
4) Vinyl Chloride	1.84	62	580766	51.117	ug/l	96
5) Bromomethane	2.15	94	279451	52.127	ug/l	95
6) Chloroethane	2.27	64	295129	56.804	ug/l	99
7) Trichlorofluoromethane	2.53	101	1158282	51.975	ug/l	100
8) Diethyl Ether	2.88	74	161333	51.274	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	717847	54.552	ug/l	98
10) Methyl Iodide	3.30	142	961610	51.647	ug/l	99
11) Tert butyl alcohol	4.09	59	173696	308.298	ug/l	97
12) 1,1-Dichloroethene	3.13	96	526274	53.792	ug/l	97
13) Acrolein	3.04	56	130148	234.685	ug/l	96
14) Allyl chloride	3.63	41	797415	54.218	ug/l	98
15) Acrylonitrile	4.20	53	449757	301.381	ug/l	89
16) Acetone	3.22	43	759892	288.833	ug/l	98
17) Carbon Disulfide	3.37	76	1557089	50.428	ug/l	98
18) Methyl Acetate	3.65	43	263082	52.793	ug/l	# 90
19) Methyl tert-butyl Ether	4.25	73	1147422	58.644	ug/l	98
20) Methylene Chloride	3.81	84	545092	47.914	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	562426	54.629	ug/l	96
22) Diisopropyl ether	5.13	45	1630956	53.739	ug/l	98
23) Vinyl Acetate	5.06	43	5053123	286.397	ug/l	99
24) 1,1-Dichloroethane	4.98	63	1004278	53.352	ug/l	98
25) 2-Butanone	6.09	43	783268	301.445	ug/l	97
26) 2,2-Dichloropropane	6.03	77	1038497	55.389	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	612999	54.420	ug/l	92
28) Bromochloromethane	6.45	49	405274	53.123	ug/l	97
29) Tetrahydrofuran	6.47	42	360292	297.571	ug/l	99
30) Chloroform	6.67	83	1222789	52.262	ug/l	95
31) Cyclohexane	6.96	56	628197	53.757	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	1193610	53.330	ug/l	97
36) 1,1-Dichloropropene	7.15	75	815831	55.595	ug/l	99
37) Ethyl Acetate	6.20	43	356469	57.971	ug/l	98
38) Carbon Tetrachloride	7.12	117	1294596	58.536	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	674003	54.014	ug/l	95
40) Benzene	7.46	78	1766635	54.706	ug/l	96
41) Methacrylonitrile	6.46	41	465738	60.155	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	888414	54.712	ug/l	100
43) Isopropyl Acetate	9.25	43	524364	63.671	ug/l #	95
44) Trichloroethene	8.55	130	664980	53.874	ug/l	98
45) 1,2-Dichloropropane	8.95	63	439355	58.422	ug/l	93
46) Dibromomethane	9.07	93	374238	58.272	ug/l	99
47) Bromodichloromethane	9.38	83	965434	58.605	ug/l	100
48) Methyl methacrylate	9.13	41	324690	58.134	ug/l	96
49) 1,4-Dioxane	9.10	88	57572	1150.512	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	1617529	287.031	ug/l	100
52) Toluene	10.52	92	1110762	53.402	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	786937	58.534	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	849284	56.024	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	386267	54.976	ug/l	93
56) Ethyl methacrylate	11.05	69	456324	59.837	ug/l	93
57) 1,3-Dichloropropane	11.41	76	605015	56.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	1163181	288.910	ug/l	97
59) 2-Hexanone	11.54	43	1310203	319.527	ug/l	99
60) Dibromochloromethane	11.69	129	744093	58.200	ug/l	100
61) 1,2-Dibromoethane	11.82	107	478762	56.287	ug/l	99
64) Tetrachloroethene	11.26	164	619742	57.591	ug/l	95
65) Chlorobenzene	12.41	112	1417653	54.261	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	629967	54.788	ug/l	95
67) Ethyl Benzene	12.52	91	2443340	53.785	ug/l	99
68) m/p-Xylenes	12.67	106	1745528	109.368	ug/l	94
69) o-Xylene	13.06	106	813904	52.985	ug/l	98
70) Styrene	13.08	104	1363978	49.919	ug/l	99
71) Bromoform	13.24	173	468946	59.479	ug/l	99
73) Isopropylbenzene	13.41	105	2271875	47.344	ug/l	98
74) N-amyl acetate	13.27	43	674793	56.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	460616	57.831	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	500299	57.782	ug/l	98
77) Bromobenzene	13.68	156	696133	53.080	ug/l	93
78) n-propylbenzene	13.78	91	2921326	52.031	ug/l	93
79) 2-Chlorotoluene	13.84	91	1688434	52.156	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	2091462	49.883	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	132963	57.135	ug/l	96
82) 4-Chlorotoluene	13.95	91	1977225	50.792	ug/l	99
83) tert-Butylbenzene	14.20	119	2262901	51.253	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	2038575	52.549	ug/l	98
85) sec-Butylbenzene	14.38	105	2410663	51.414	ug/l	98
86) p-Isopropyltoluene	14.49	119	2406624	53.681	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1247858	52.603	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1217592	53.498	ug/l	97
89) n-Butylbenzene	14.80	91	2178411	53.240	ug/l	94
90) Hexachloroethane	15.02	117	629753	55.887	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	1092208	54.267	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	91407	60.949	ug/l	87

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

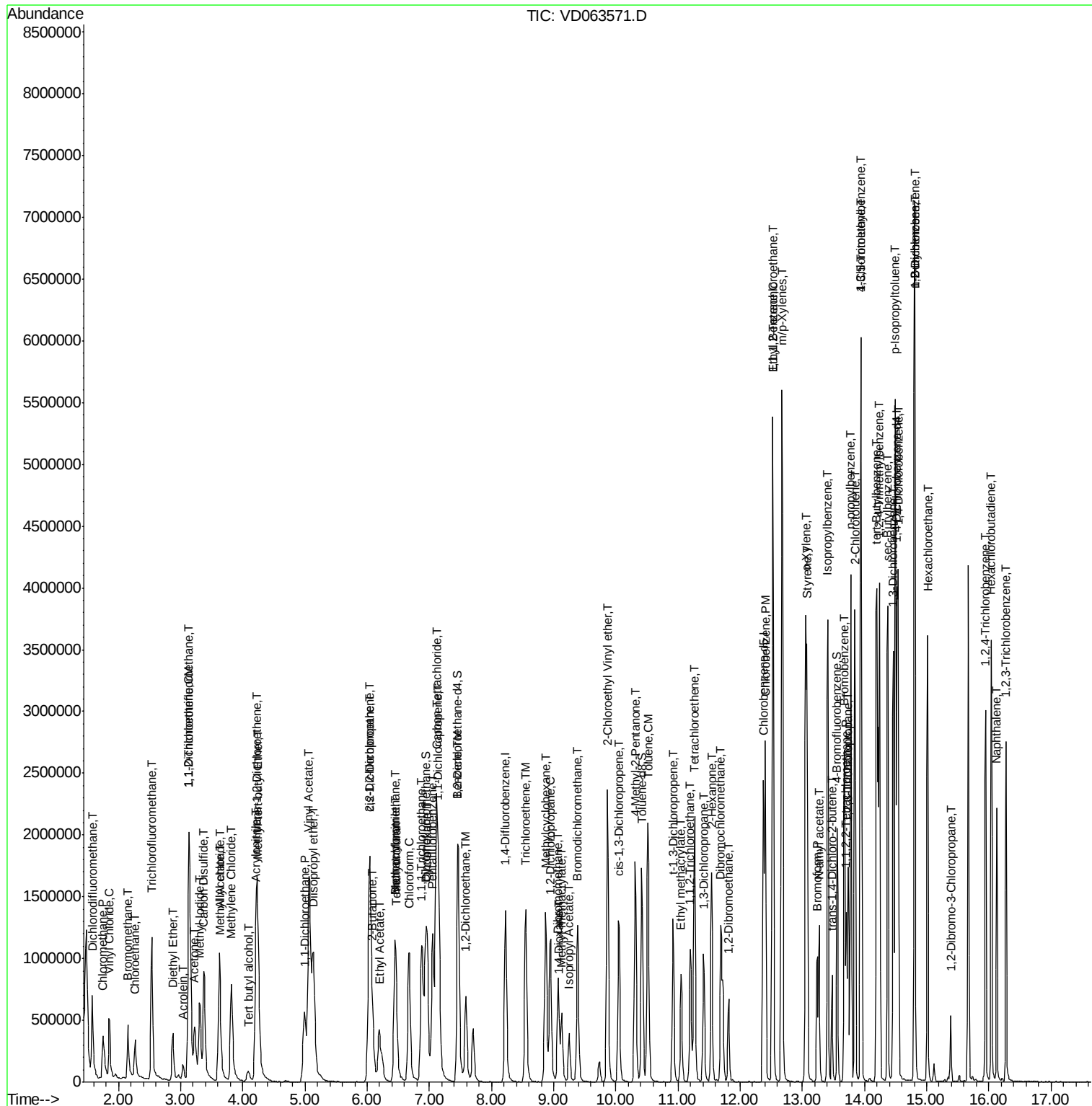
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	823670	55.617	ug/l	96
94) Hexachlorobutadiene	16.04	225	577937	51.204	ug/l	99
95) Naphthalene	16.13	128	1234245	54.992	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	668720	55.905	ug/l	98

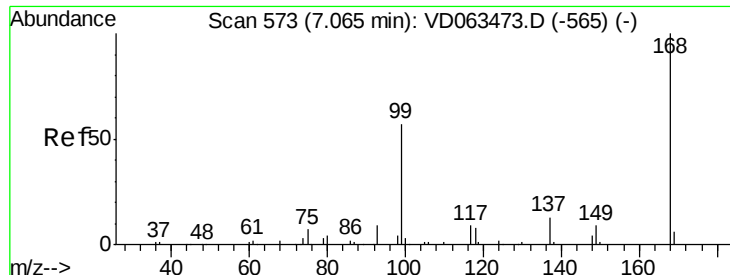
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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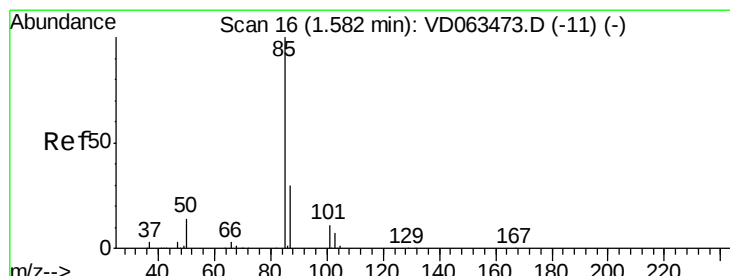
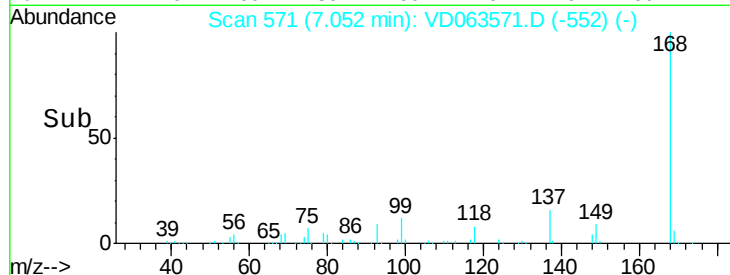
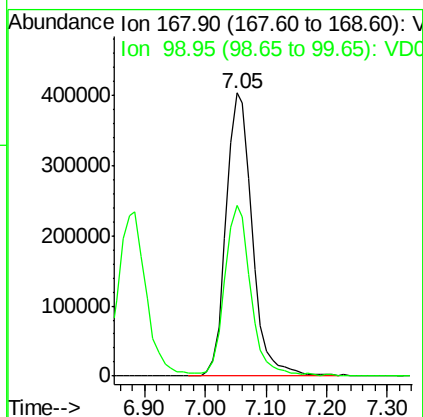
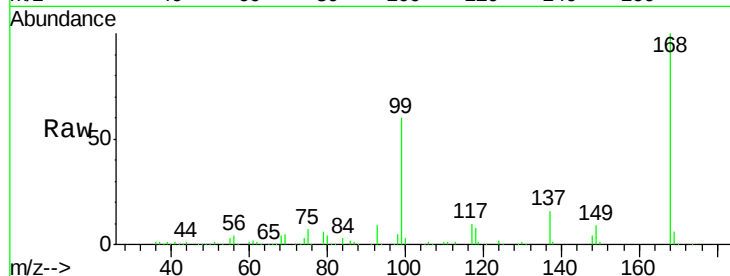




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

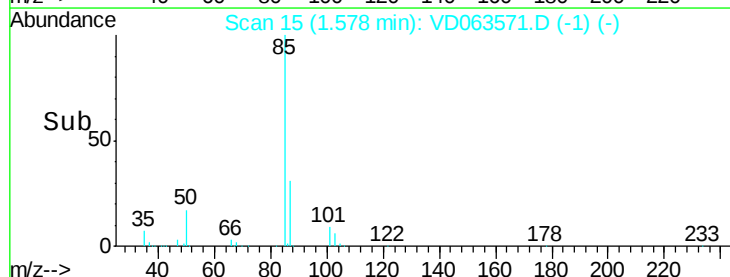
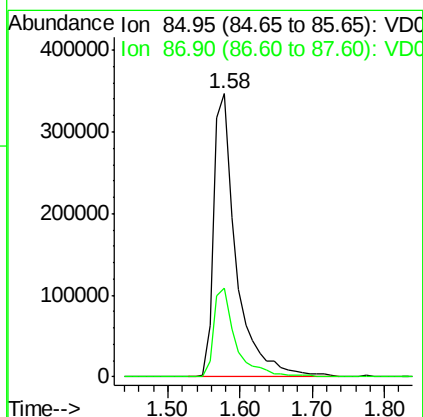
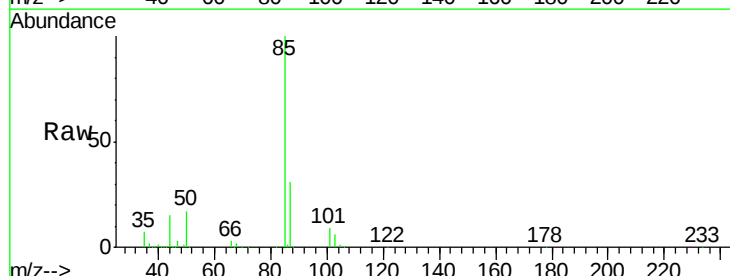
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

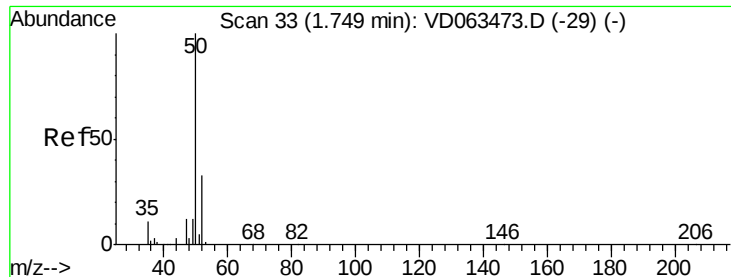
Tot Ion:168 Resp: 1210776
Ion Ratio Lower Upper
168 100
99 60.3 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 50.657 ug/l
RT: 1.58 min Scan# 15
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion: 85 Resp: 742033
Ion Ratio Lower Upper
85 100
87 31.3 15.0 45.0





#3

Chloromethane

Concen: 50.383 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

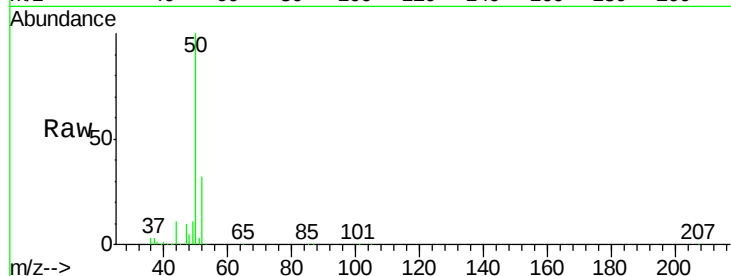
VSTDCCC050

Tot Ion: 50 Resp: 576628

Ion Ratio Lower Upper

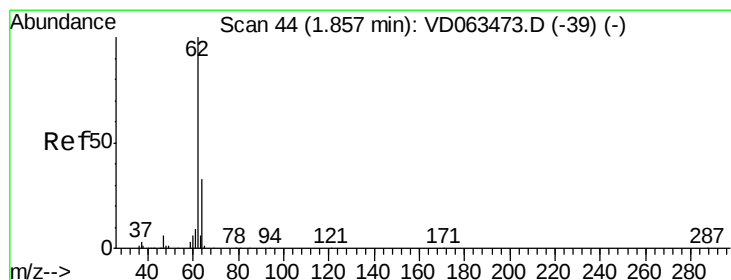
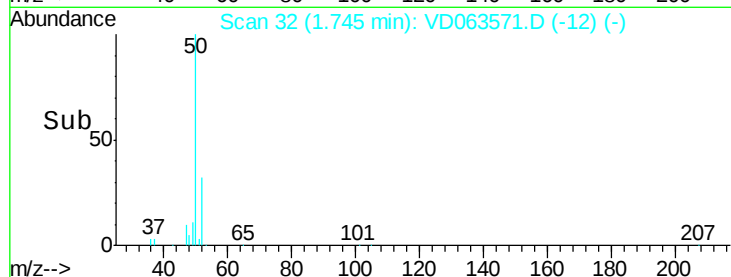
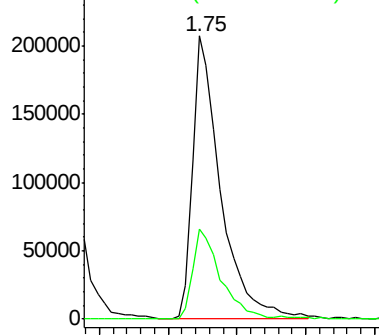
50 100

52 31.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.117 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063571.D

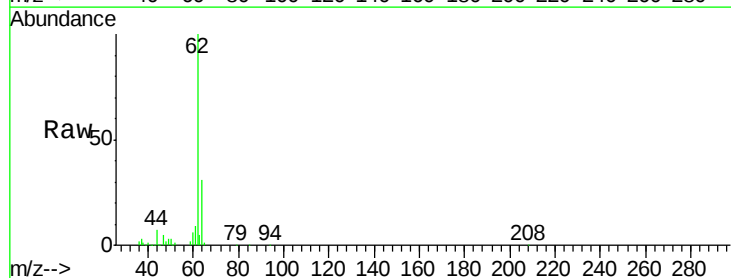
Acq: 14 Aug 2019 13:07

Tgt Ion: 62 Resp: 580766

Ion Ratio Lower Upper

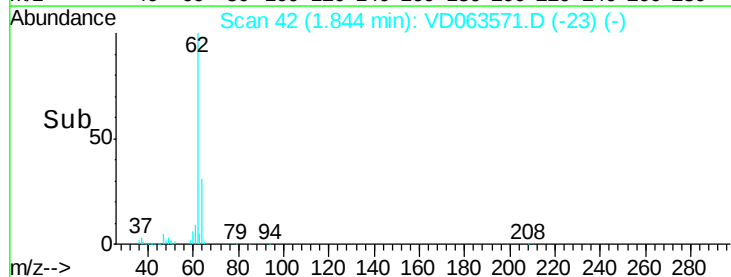
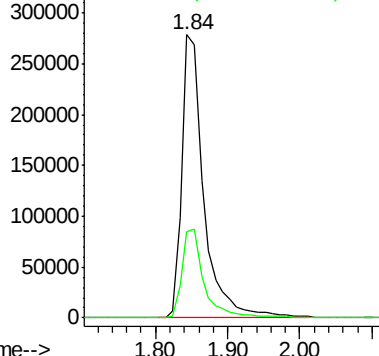
62 100

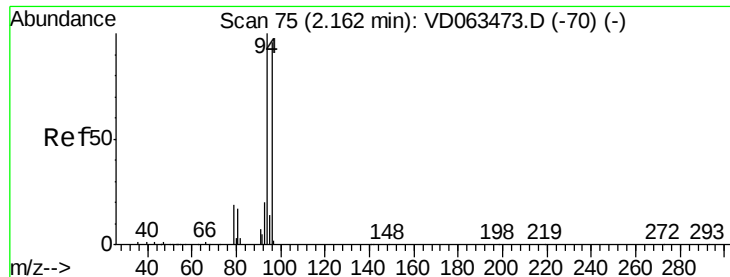
64 30.5 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.127 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

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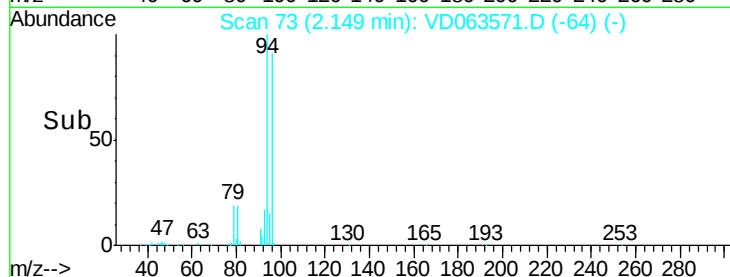
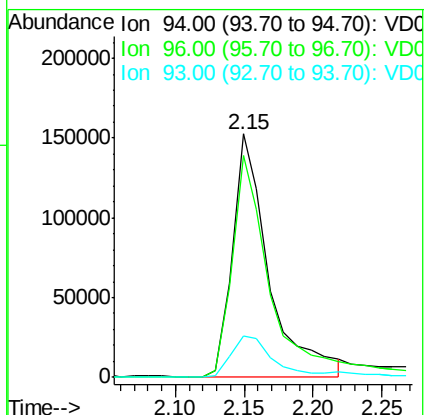
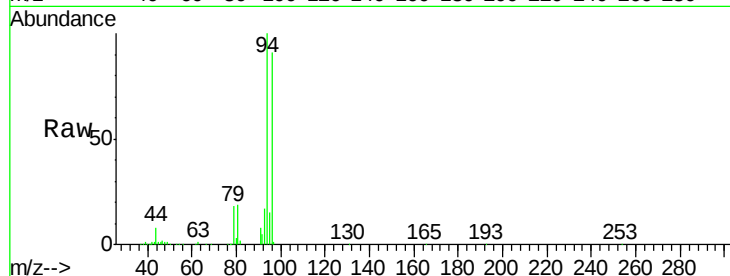
Tot Ion: 94 Resp: 279451

Ion Ratio Lower Upper

94 100

96 91.0 76.5 114.7

93 16.9 15.8 23.8



#6

Chloroethane

Concen: 56.804 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063571.D

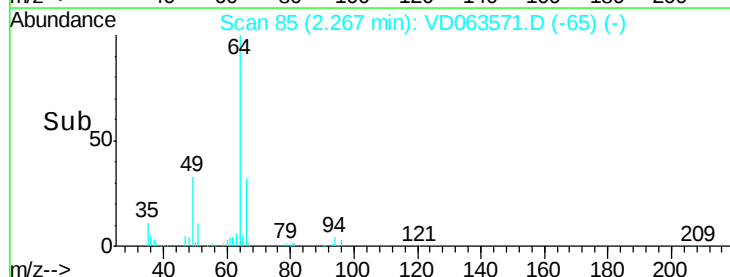
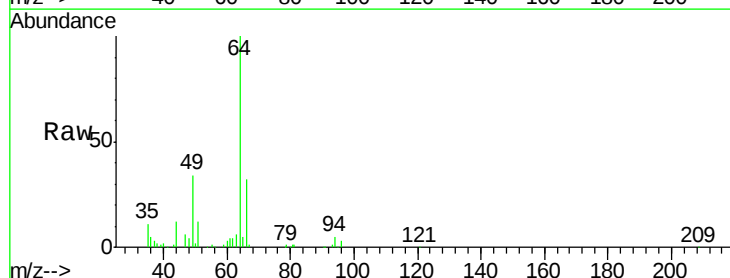
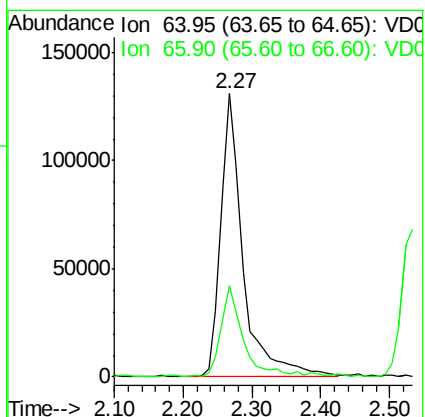
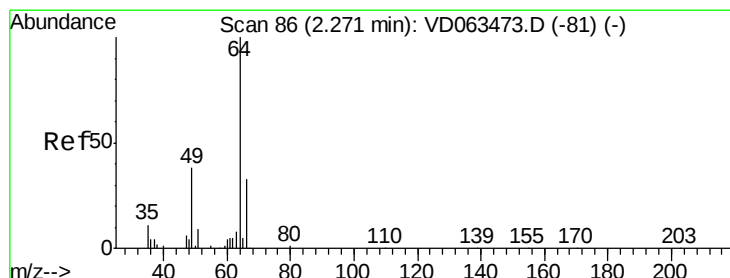
Acq: 14 Aug 2019 13:07

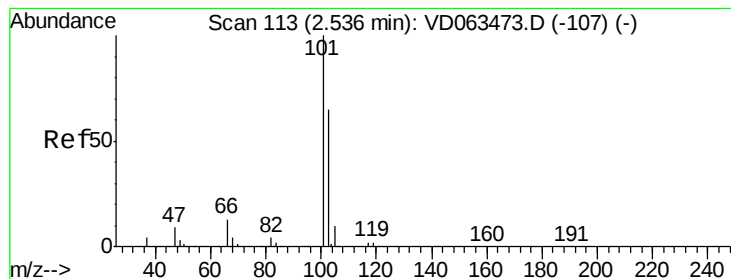
Tgt Ion: 64 Resp: 295129

Ion Ratio Lower Upper

64 100

66 32.3 26.3 39.5



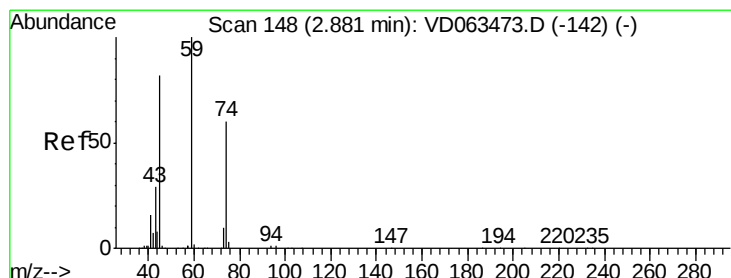
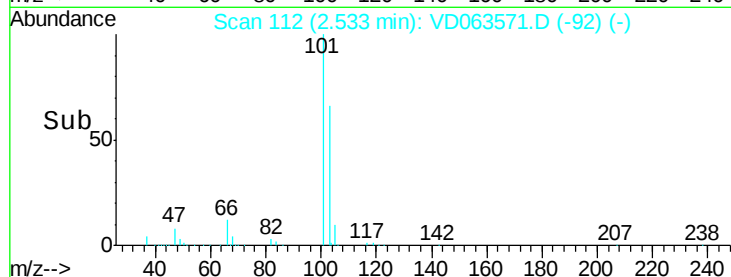
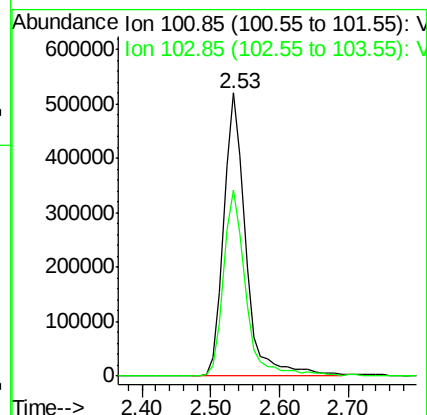
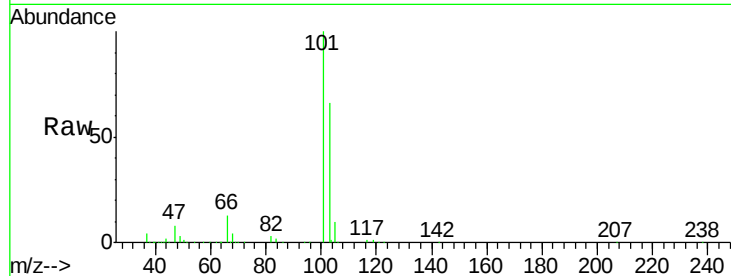


#7

Trichlorofluoromethane
 Concen: 51.975 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063571.D
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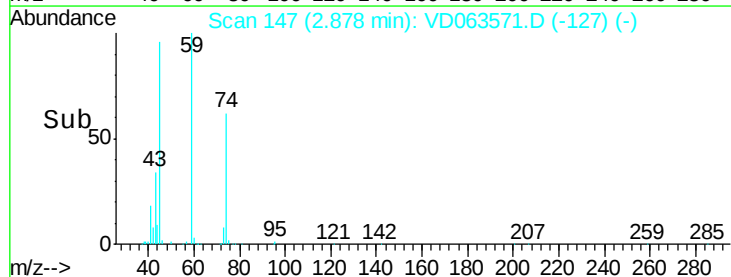
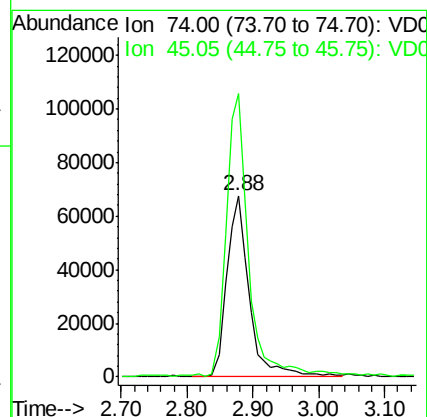
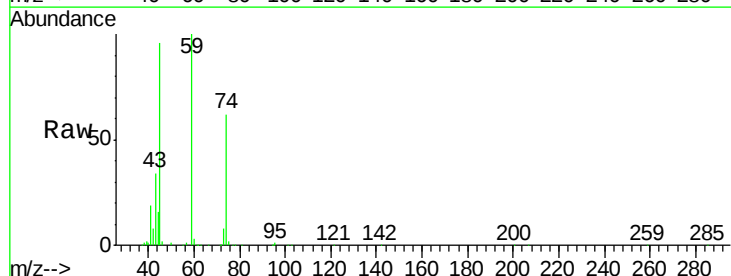
Tot Ion:101 Resp: 1158282
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4



#8

Diethyl Ether
 Concen: 51.274 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 74 Resp: 161333
 Ion Ratio Lower Upper
 74 100
 45 156.4 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.552 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

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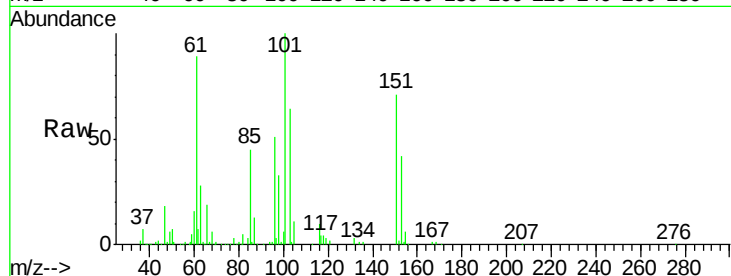
Tot Ion:101 Resp: 717847

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

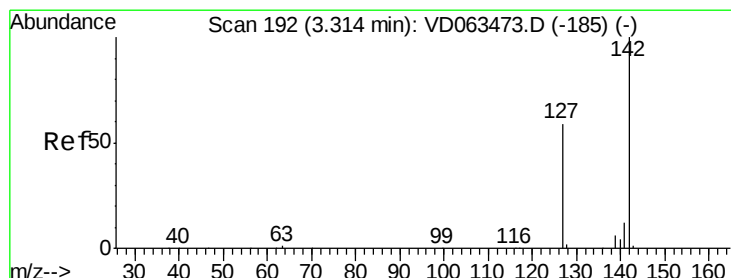
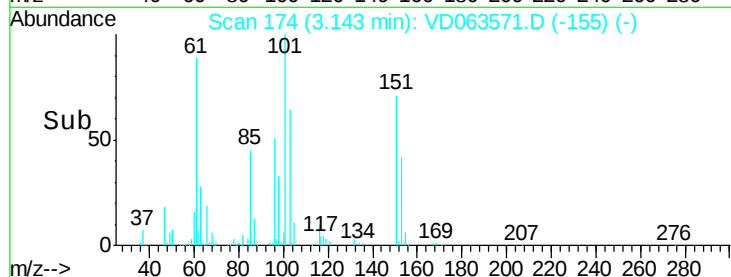
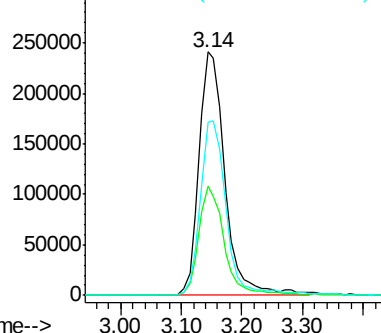
151 71.2 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.647 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

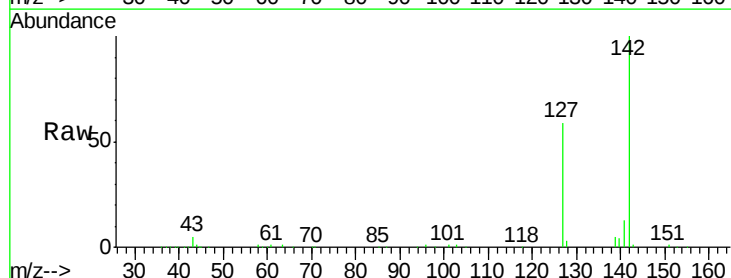
Tgt Ion:142 Resp: 961610

Ion Ratio Lower Upper

142 100

127 59.4 47.2 70.8

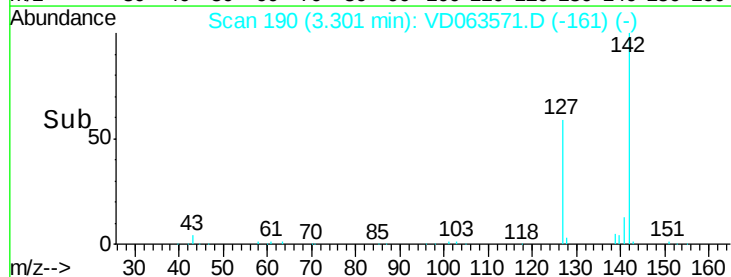
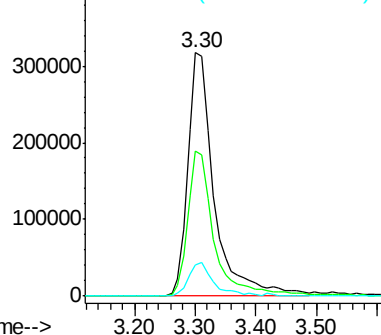
141 12.9 9.8 14.8

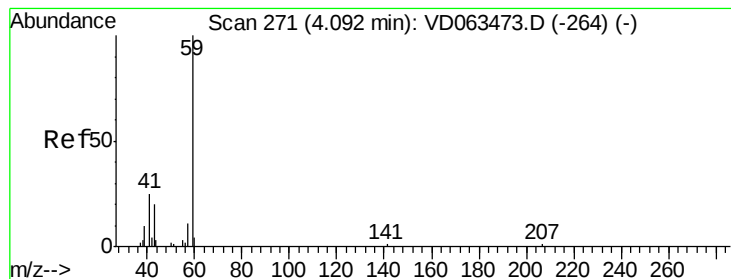


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



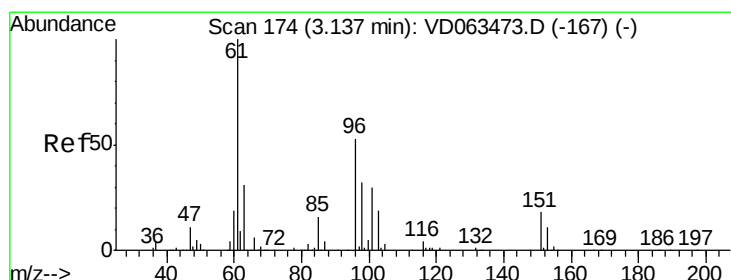
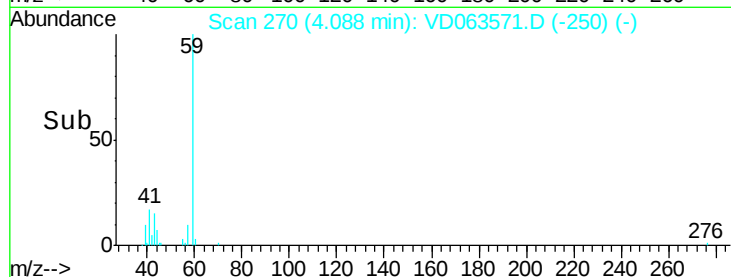
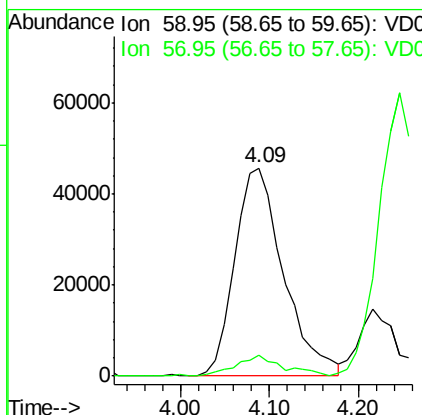
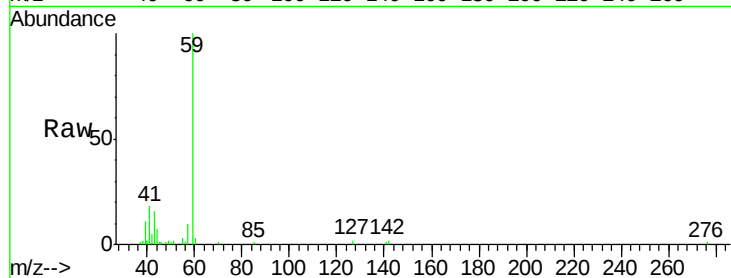


#11

Tert butyl alcohol
 Concen: 308.298 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

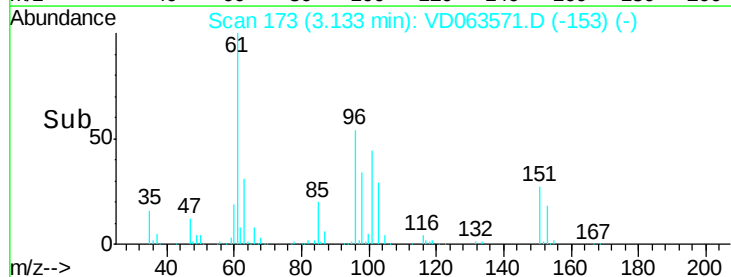
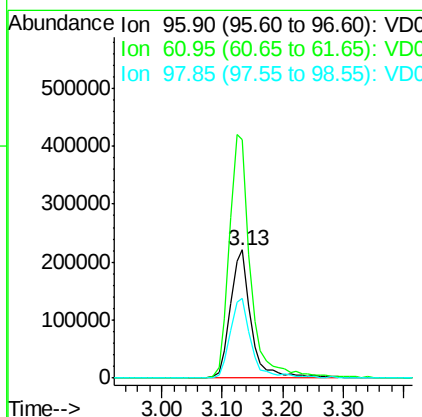
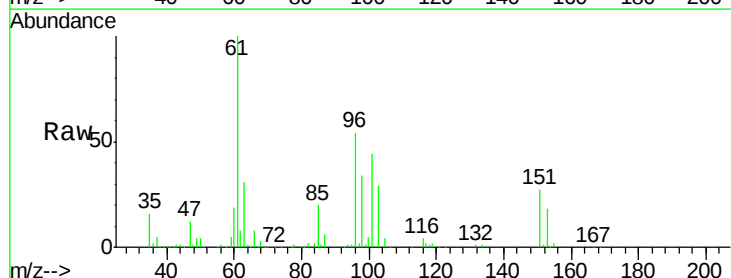
Tot Ion: 59 Resp: 173696
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.7 13.1

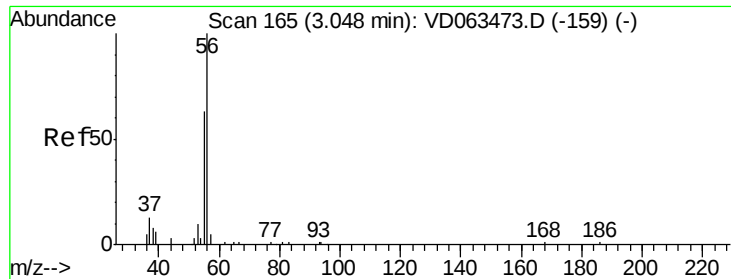


#12

1,1-Dichloroethene
 Concen: 53.792 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 96 Resp: 526274
 Ion Ratio Lower Upper
 96 100
 61 185.7 151.7 227.5
 98 62.8 48.4 72.6

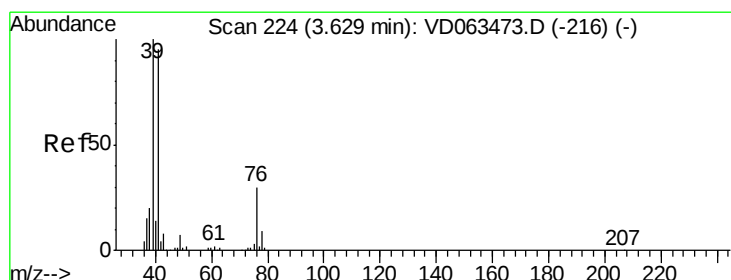
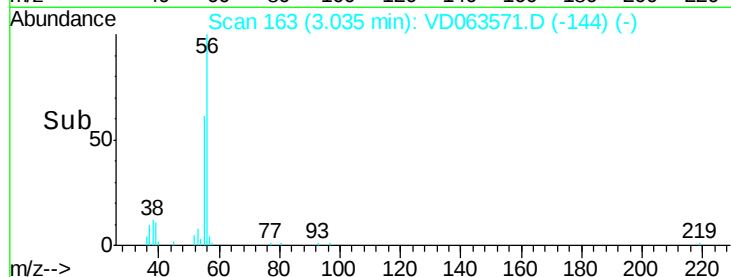
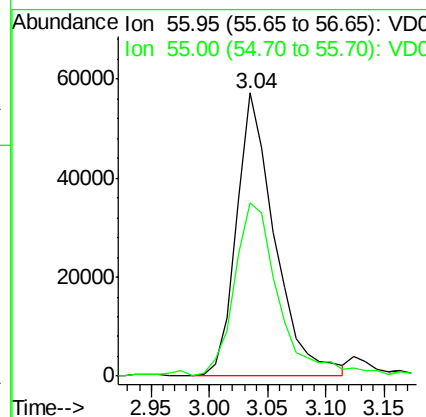
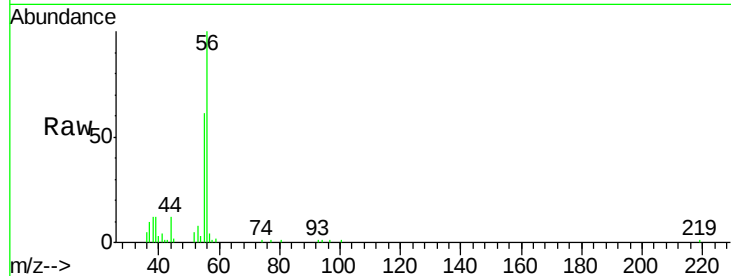




#13
Acrolein
Concen: 234.685 ug/l
RT: 3.04 min Scan# 163
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

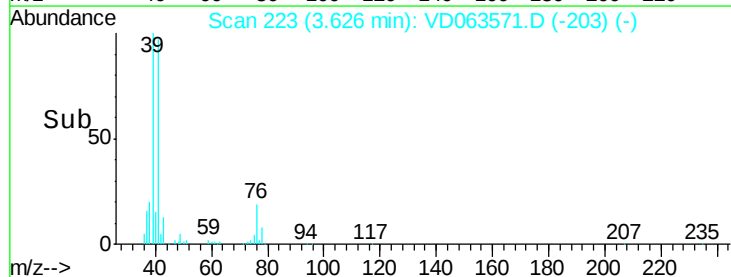
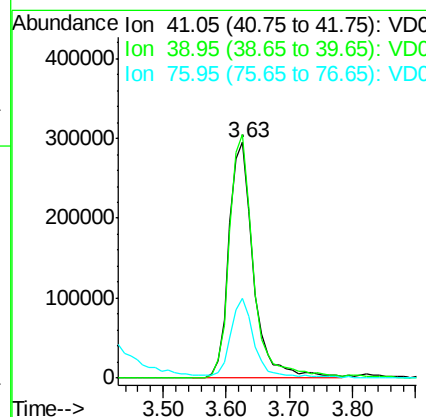
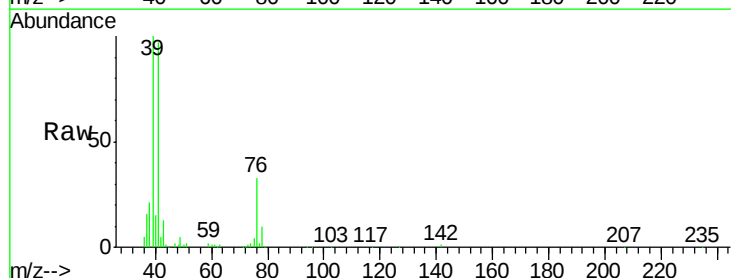
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

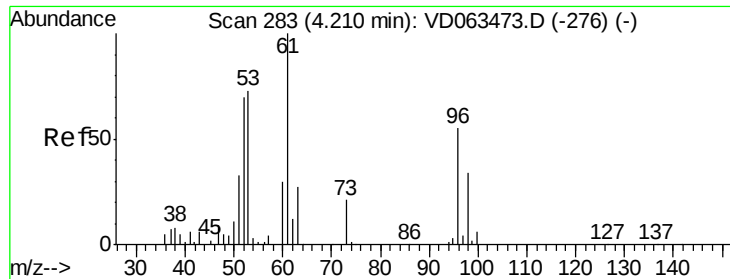
Tot Ion: 56 Resp: 130148
Ion Ratio Lower Upper
56 100
55 61.3 51.3 76.9



#14
Allyl chloride
Concen: 54.218 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion: 41 Resp: 797415
Ion Ratio Lower Upper
41 100
39 103.3 84.2 126.4
76 33.8 26.0 39.0

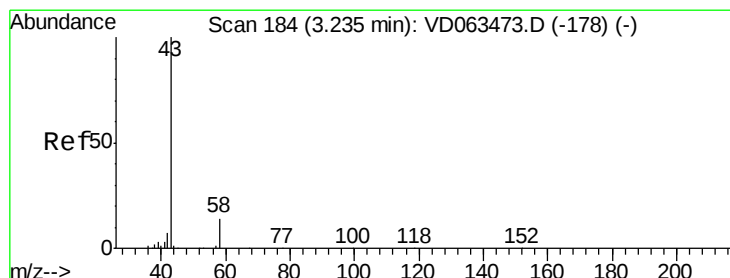
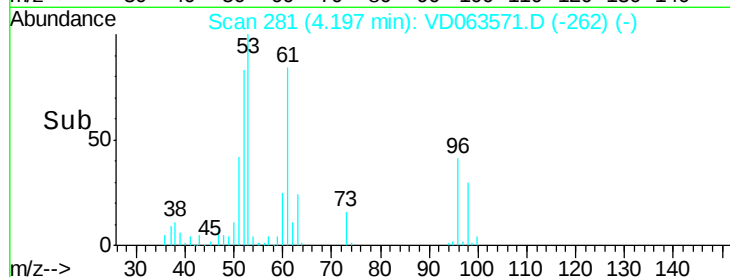
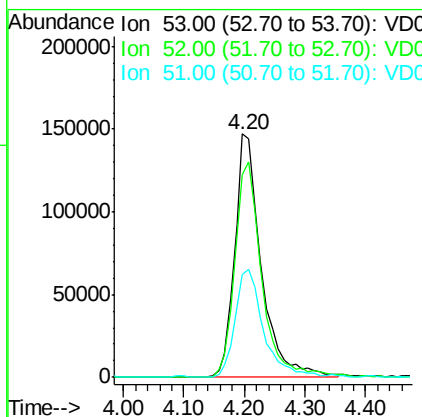
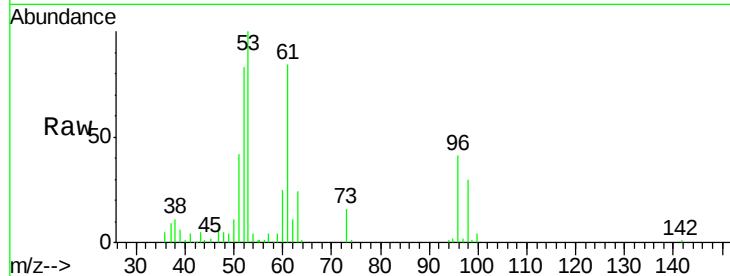




#15
 Acrylonitrile
 Concen: 301.381 ug/l
 RT: 4.20 min Scan# 281
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

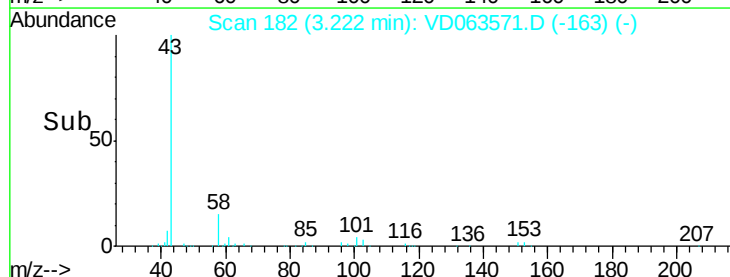
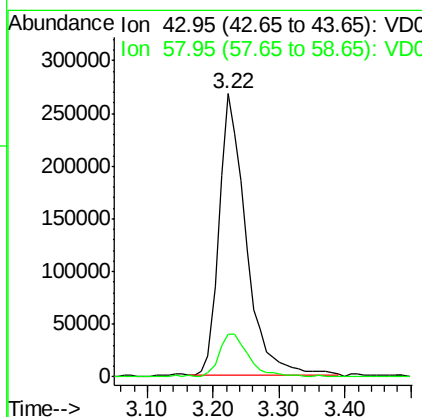
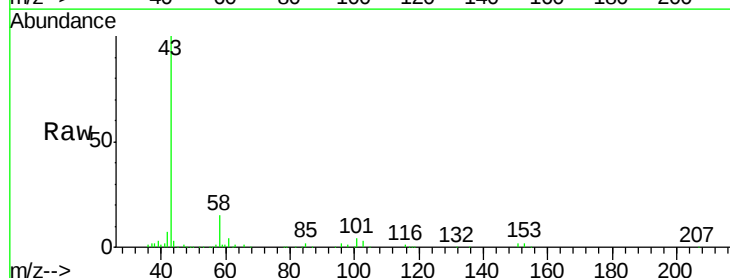
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

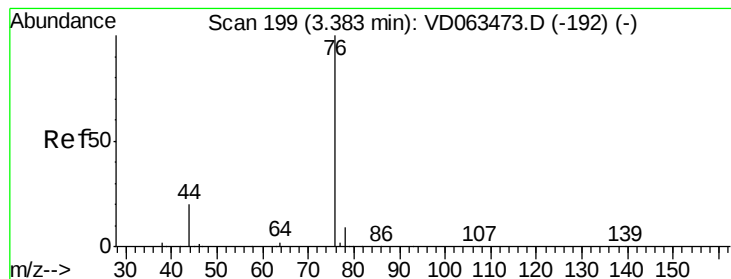
Tot Ion: 53 Resp: 449757
 Ion Ratio Lower Upper
 53 100
 52 83.2 77.4 116.0
 51 42.0 36.7 55.1



#16
 Acetone
 Concen: 288.833 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 43 Resp: 759892
 Ion Ratio Lower Upper
 43 100
 58 15.2 11.4 17.2





#17

Carbon Disulfide

Concen: 50.428 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

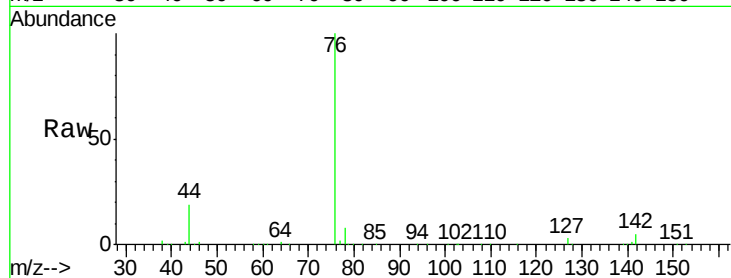
VSTDCCC050

Tot Ion: 76 Resp: 1557089

Ion Ratio Lower Upper

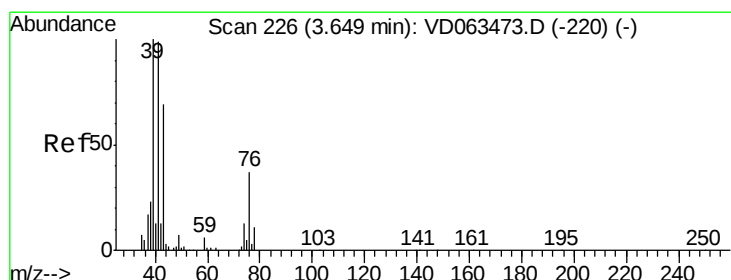
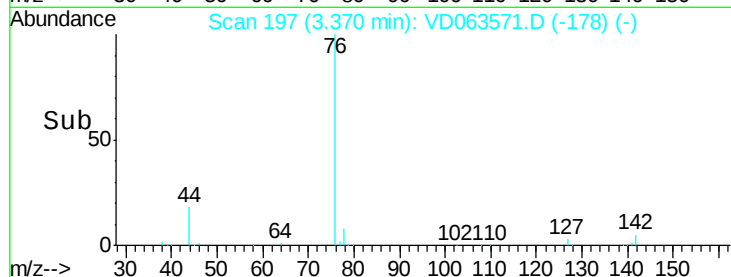
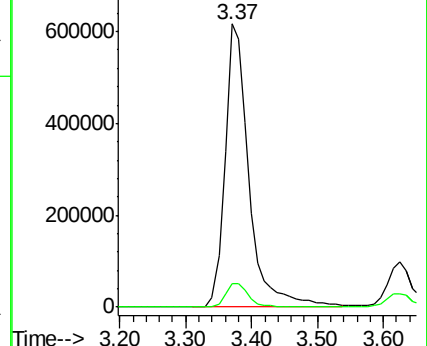
76 100

78 8.3 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 52.793 ug/l

RT: 3.65 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063571.D

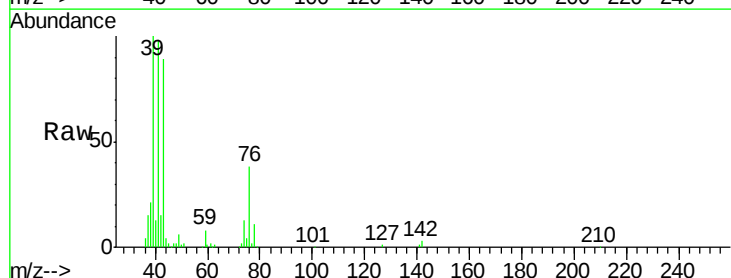
Acq: 14 Aug 2019 13:07

Tgt Ion: 43 Resp: 263082

Ion Ratio Lower Upper

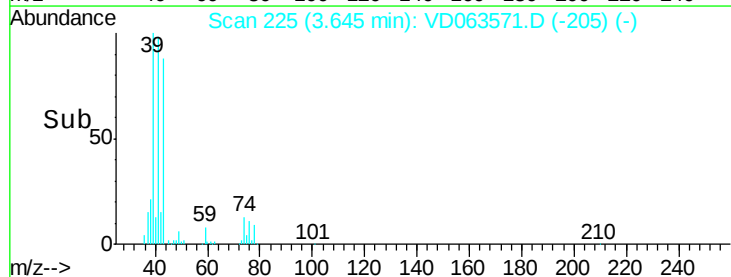
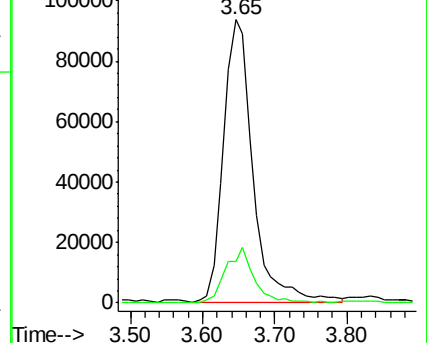
43 100

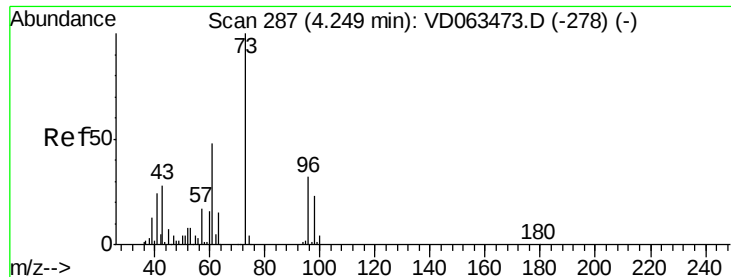
74 14.9 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



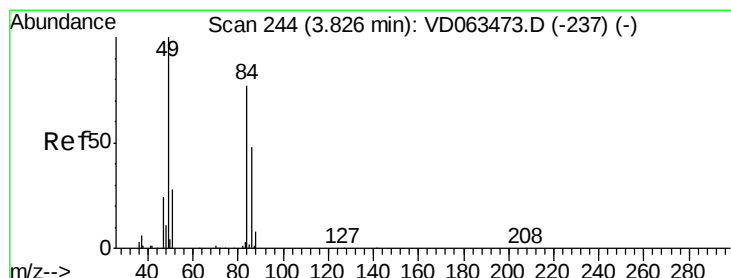
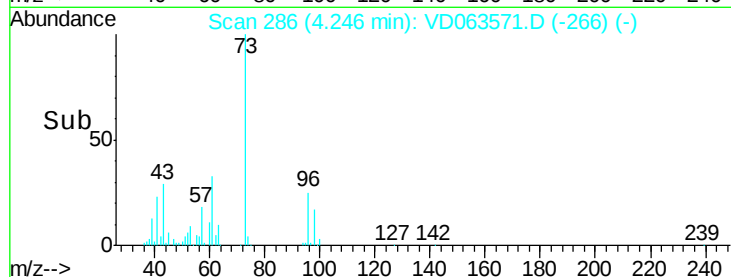
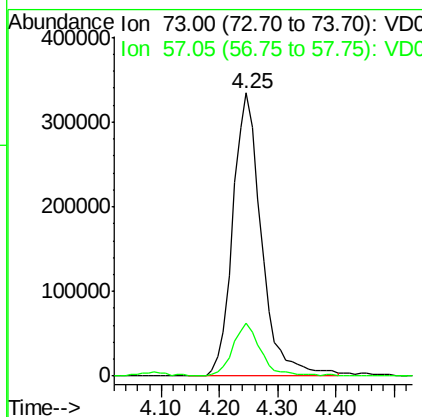
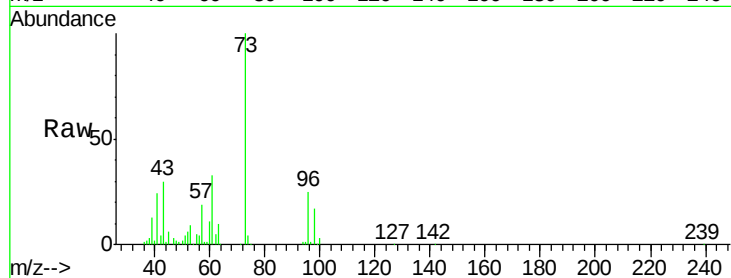


#19

Methyl tert-butyl Ether
 Concen: 58.644 ug/l
 RT: 4.25 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

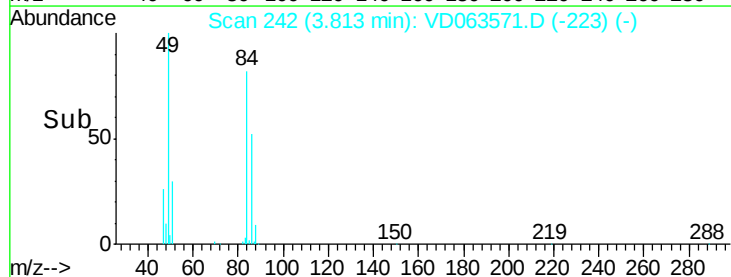
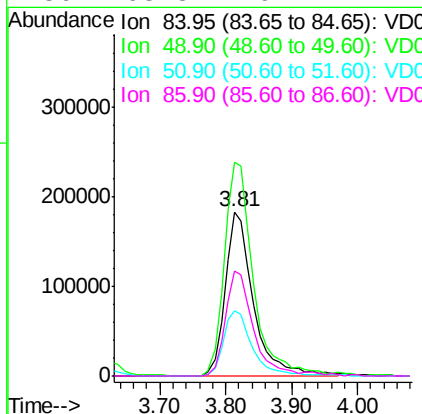
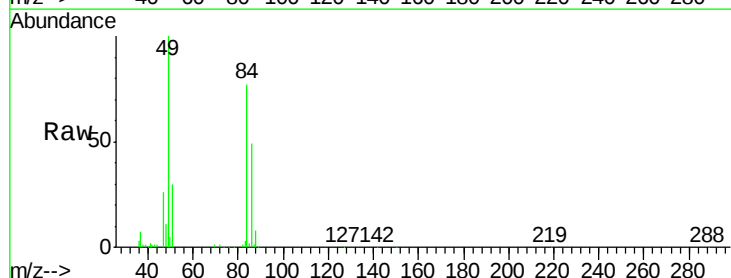
Tot Ion: 73 Resp: 1147422
 Ion Ratio Lower Upper
 73 100
 57 18.6 14.0 21.0

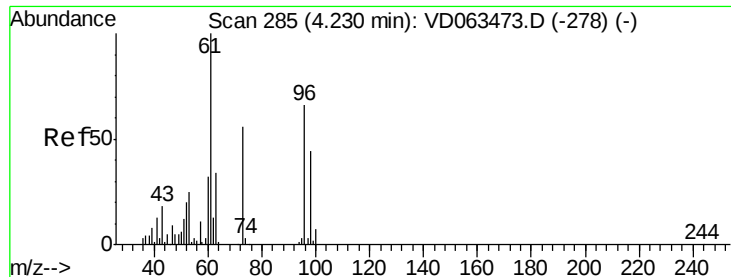


#20

Methylene Chloride
 Concen: 47.914 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 84 Resp: 545092
 Ion Ratio Lower Upper
 84 100
 49 130.2 103.4 155.2
 51 39.6 28.5 42.7
 86 63.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 54.629 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

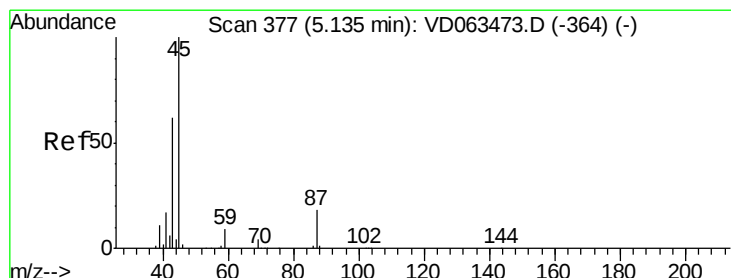
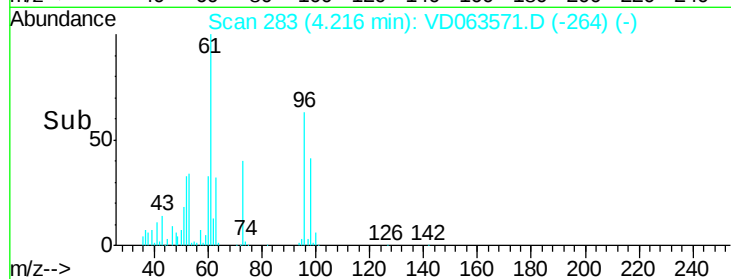
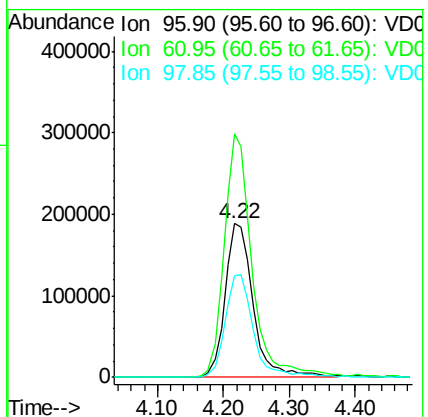
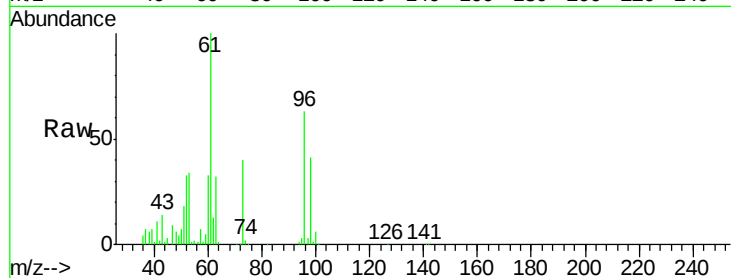
Tot Ion: 96 Resp: 562426

Ion Ratio Lower Upper

96 100

61 158.4 121.7 182.5

98 65.7 54.2 81.2



#22

Diisopropyl ether

Concen: 53.739 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Tgt Ion: 45 Resp: 1630956

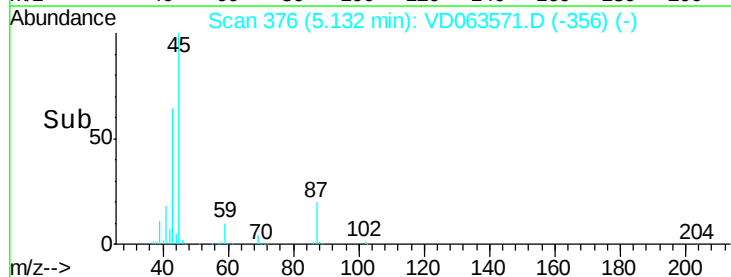
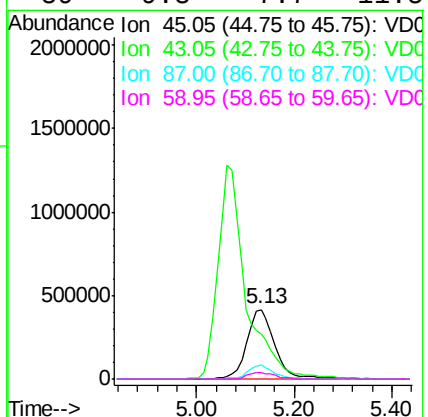
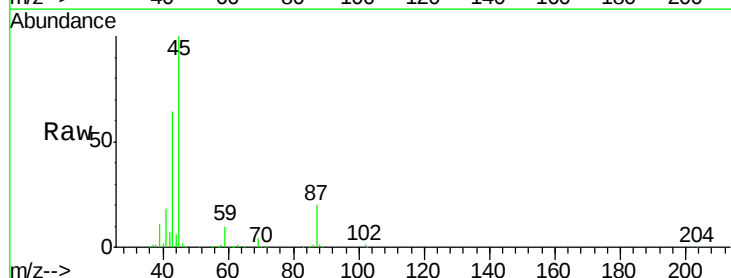
Ion Ratio Lower Upper

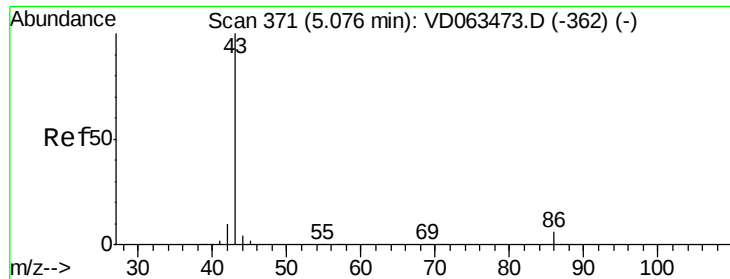
45 100

43 63.9 50.3 75.5

87 19.8 14.3 21.5

59 9.8 7.7 11.5





#23

Vinyl Acetate

Concen: 286.397 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

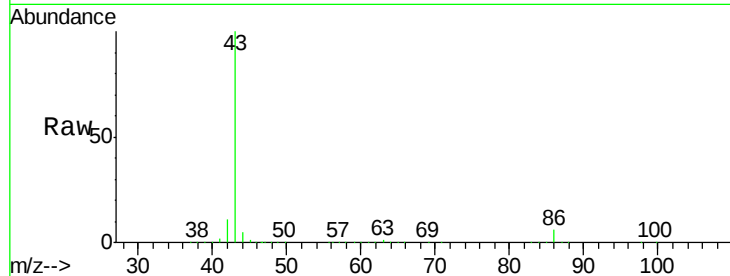
VSTDCCC050

Tot Ion: 43 Resp: 5053123

Ion Ratio Lower Upper

43 100

86 6.4 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

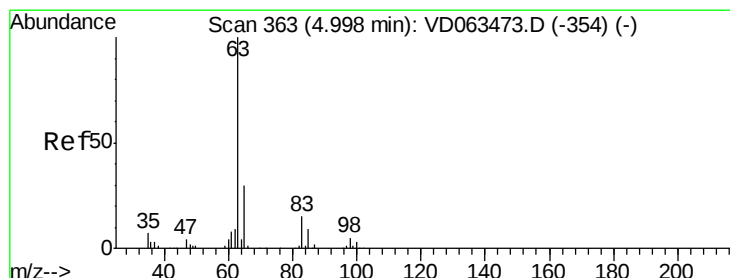
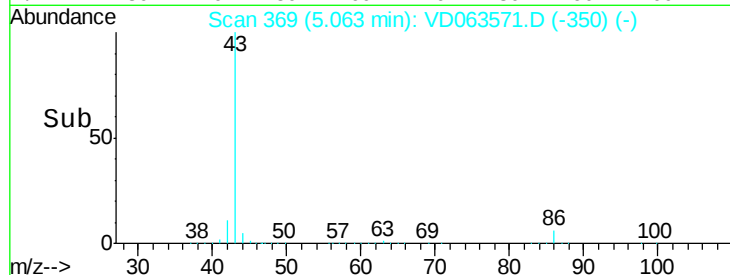
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.352 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

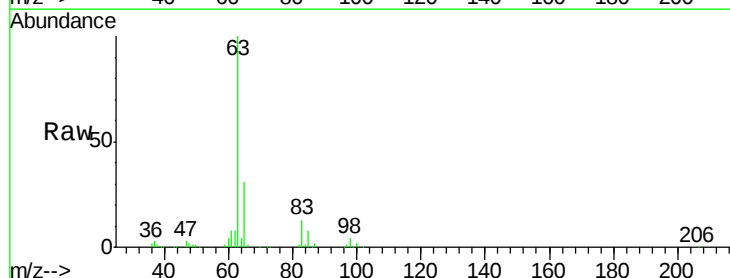
Tgt Ion: 63 Resp: 1004278

Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.2

100 2.0 1.3 3.8



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

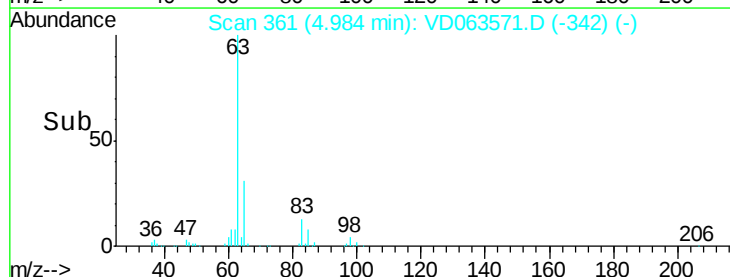
300000

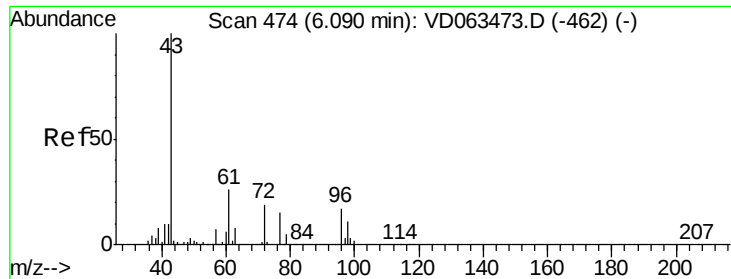
200000

100000

0

Time-->





#25

2-Butanone

Concen: 301.445 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

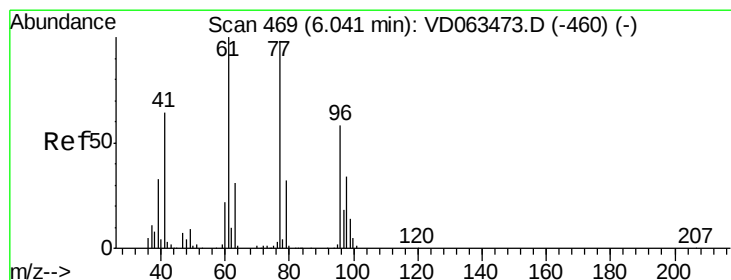
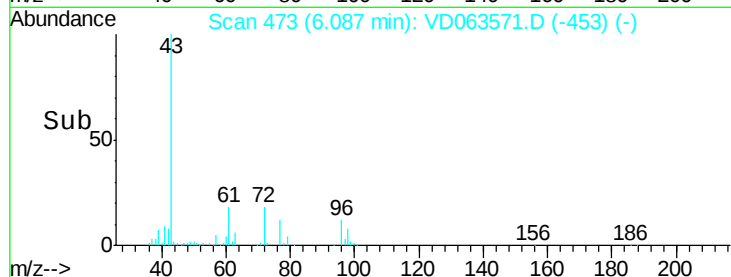
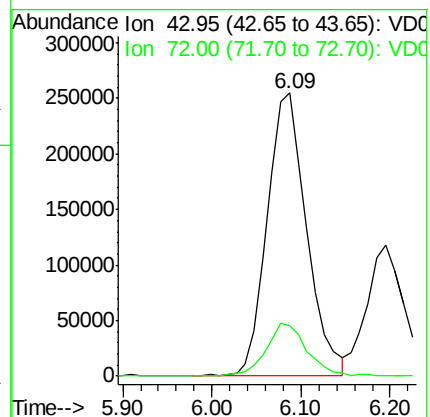
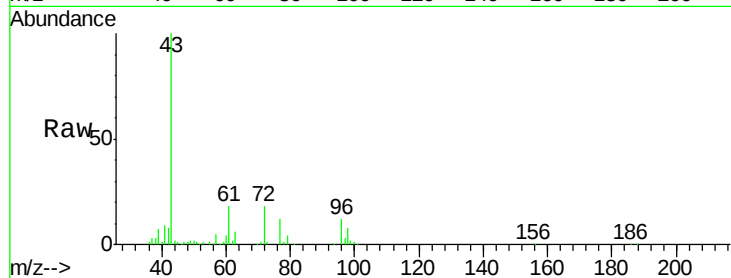
VSTDCCC050

Tot Ion: 43 Resp: 783268

Ion Ratio Lower Upper

43 100

72 17.7 15.1 22.7



#26

2,2-Dichloropropane

Concen: 55.389 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063571.D

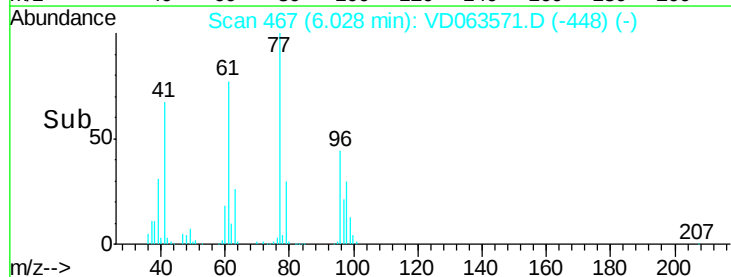
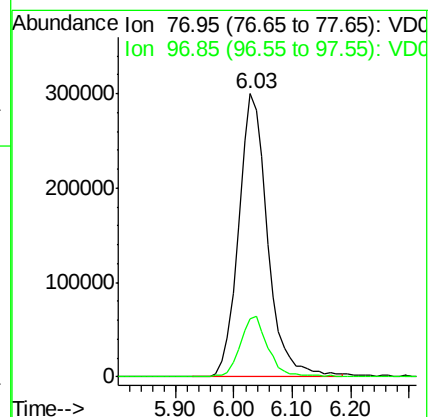
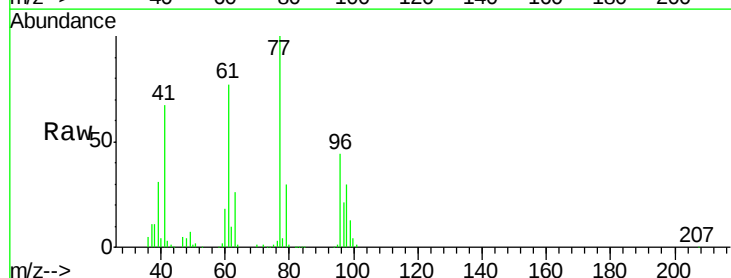
Acq: 14 Aug 2019 13:07

Tgt Ion: 77 Resp: 1038497

Ion Ratio Lower Upper

77 100

97 20.6 9.0 27.1



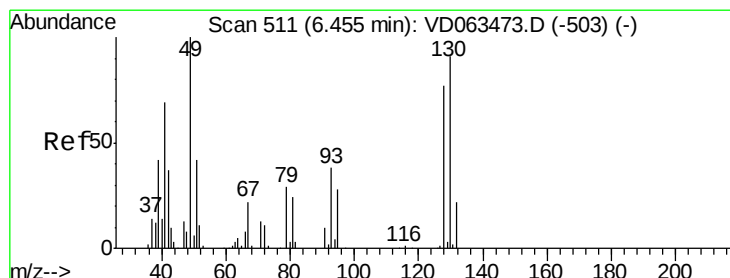
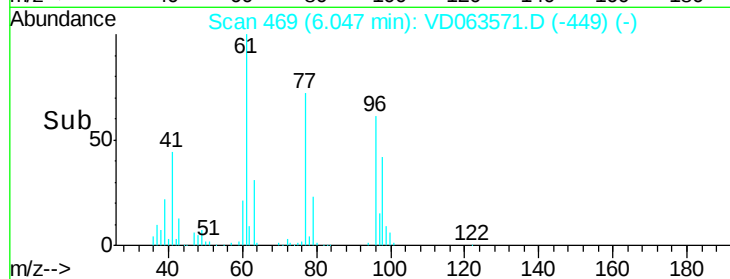
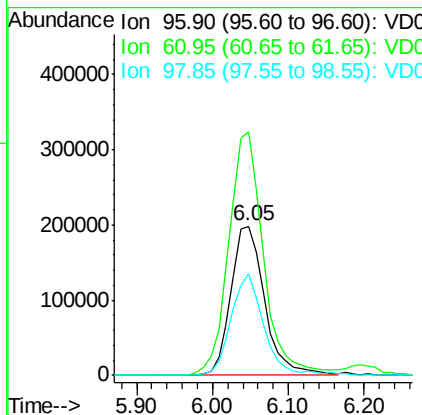
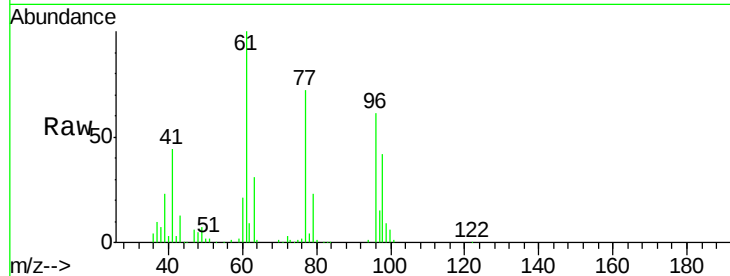


#27

cis-1,2-Dichloroethene
 Concen: 54.420 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

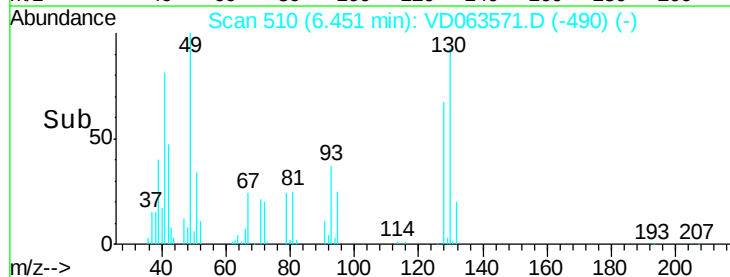
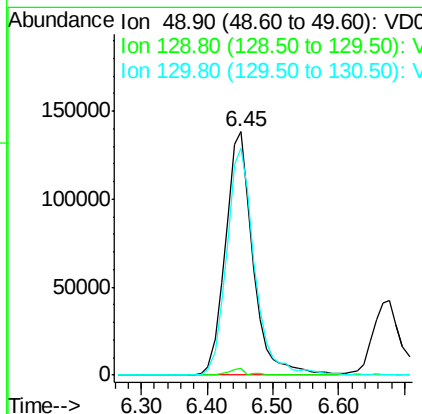
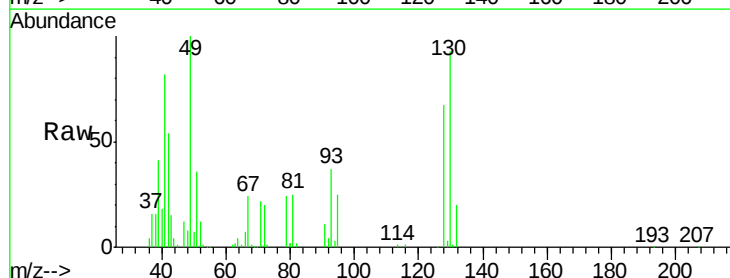
Tot Ion: 96 Resp: 612999
 Ion Ratio Lower Upper
 96 100
 61 162.9 0.0 304.0
 98 67.7 0.0 124.8



#28

Bromochloromethane
 Concen: 53.123 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 49 Resp: 405274
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 6.4
 130 93.0 72.4 108.6





#29

Tetrahydrofuran

Concen: 297.571 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

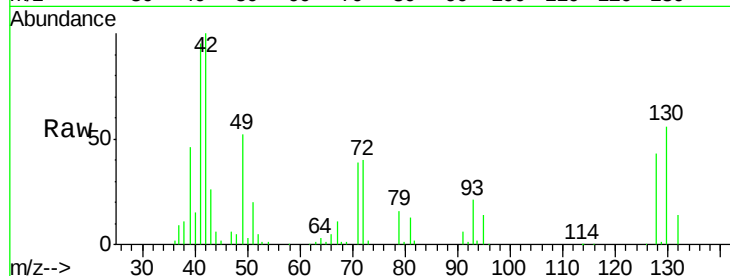
Tot Ion: 42 Resp: 360292

Ion Ratio Lower Upper

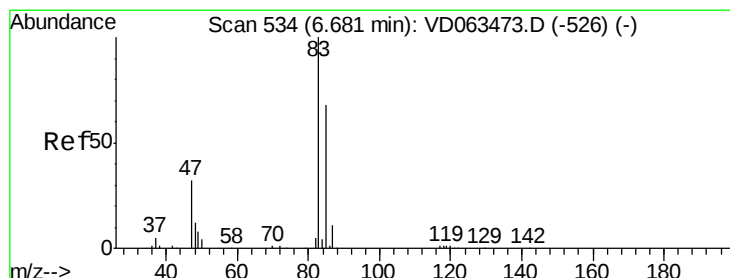
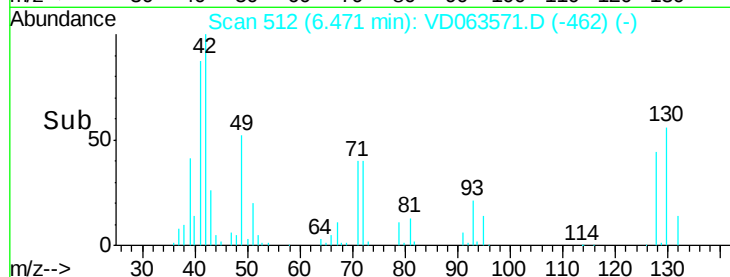
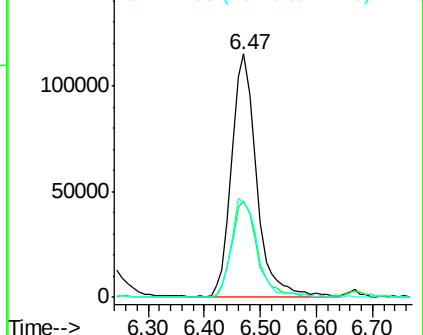
42 100

72 40.3 31.5 47.3

71 41.9 33.8 50.8



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



#30

Chloroform

Concen: 52.262 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063571.D

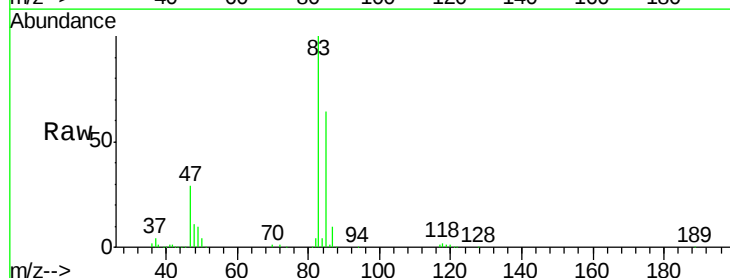
Acq: 14 Aug 2019 13:07

Tgt Ion: 83 Resp: 1222789

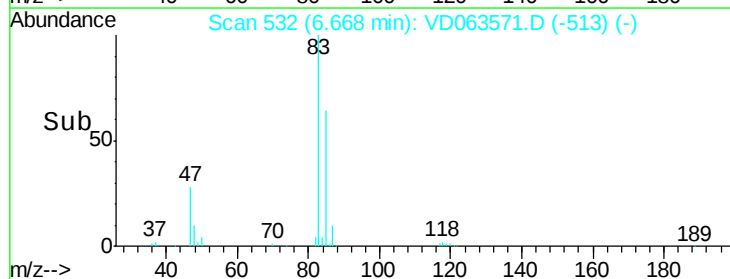
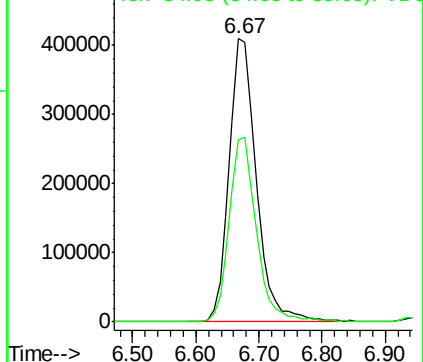
Ion Ratio Lower Upper

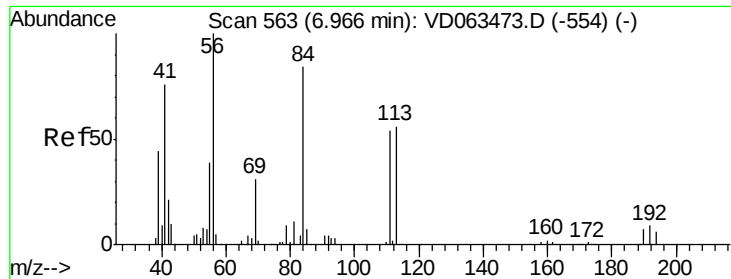
83 100

85 64.2 54.8 82.2



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

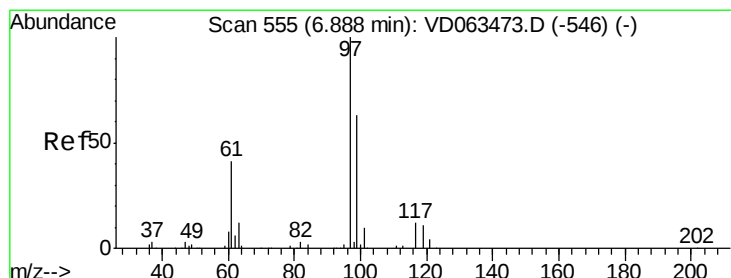
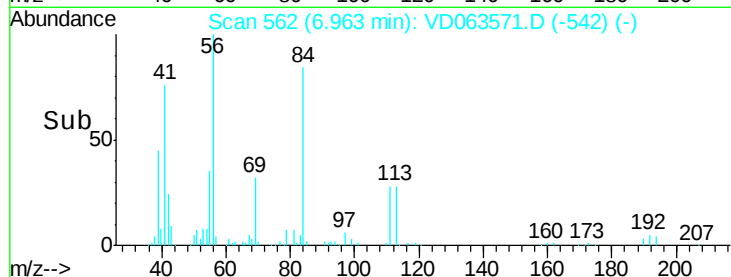
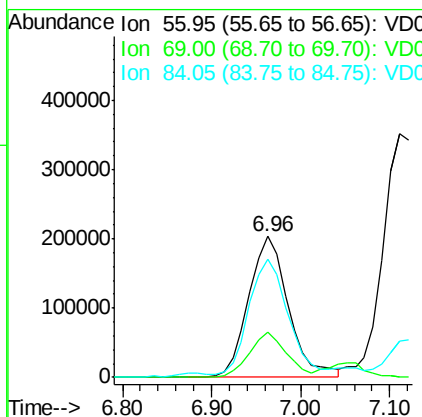
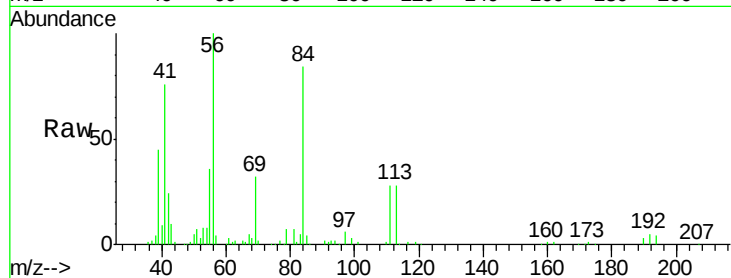




#31
Cyclohexane
Concen: 53.757 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

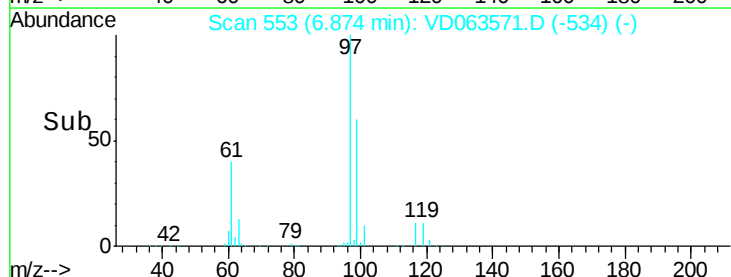
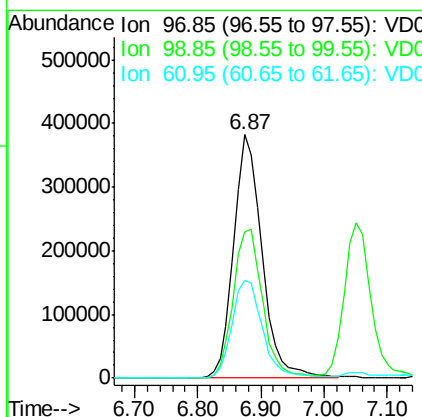
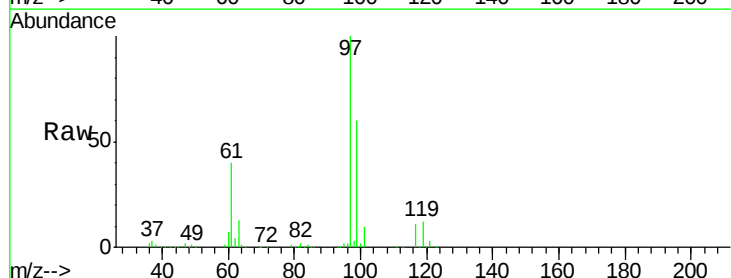
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

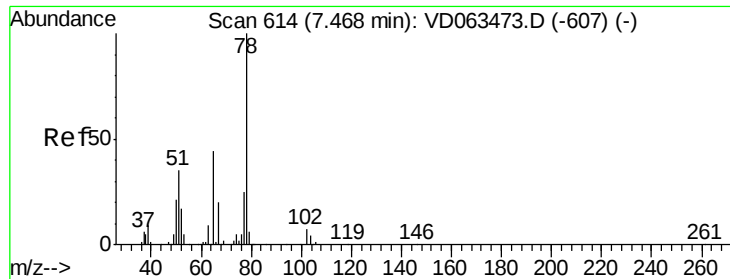
Tot Ion: 56 Resp: 628197
Ion Ratio Lower Upper
56 100
69 32.5 25.0 37.6
84 84.3 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 53.330 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion: 97 Resp: 1193610
Ion Ratio Lower Upper
97 100
99 59.9 50.2 75.4
61 40.4 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 41.980 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

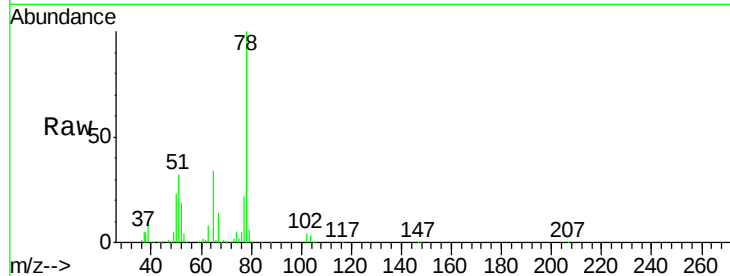
VSTDCCC050

Tot Ion: 65 Resp: 543313

Ion Ratio Lower Upper

65 100

67 42.7 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

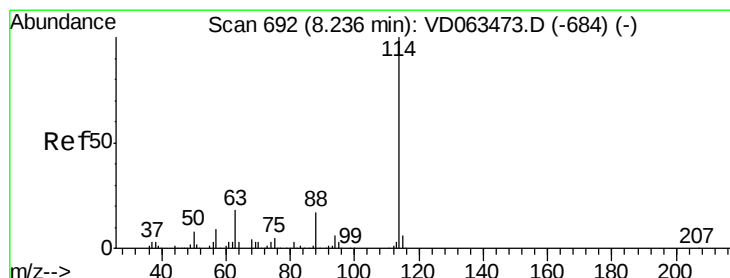
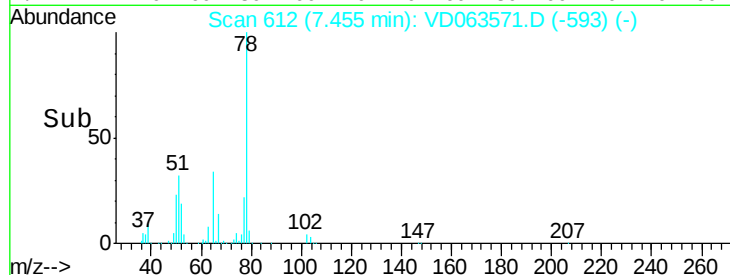
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

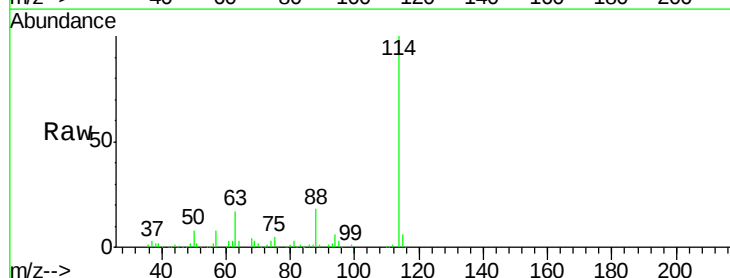
Tgt Ion: 114 Resp: 1659969

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.2

88 17.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

800000

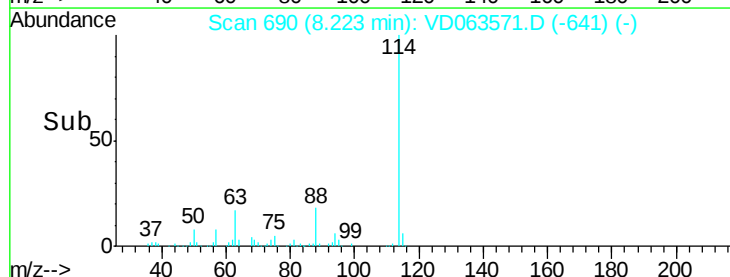
600000

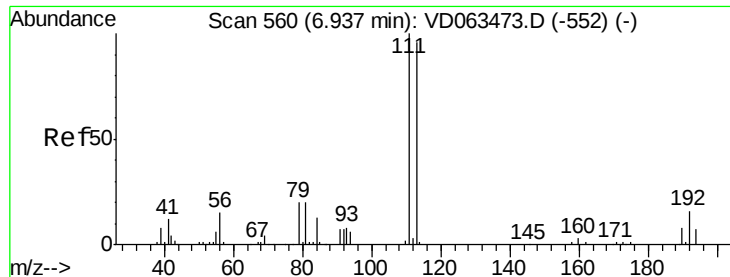
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 43.538 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

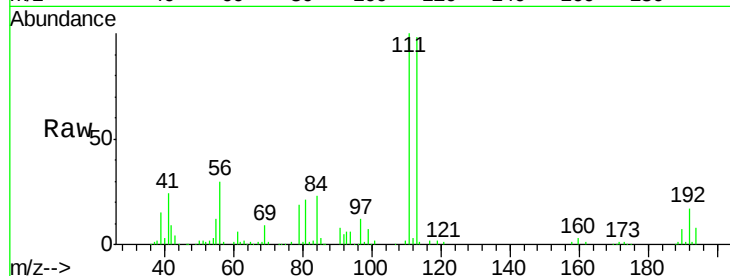
Tot Ion:113 Resp: 608681

Ion Ratio Lower Upper

113 100

111 101.8 83.1 124.7

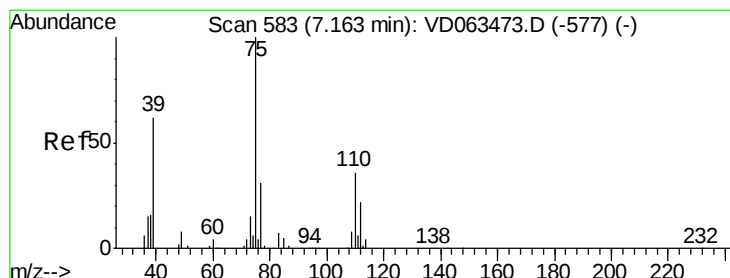
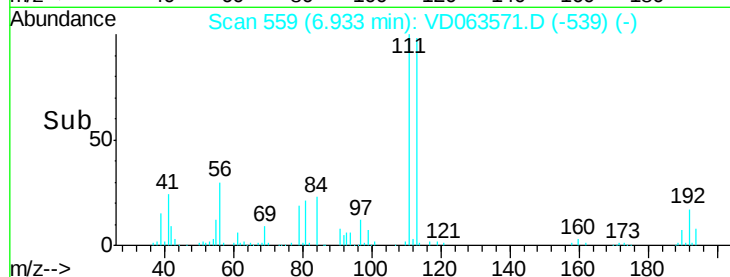
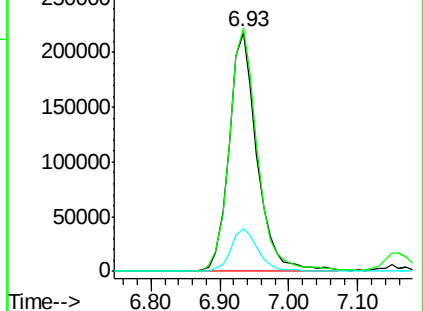
192 17.6 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 55.595 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

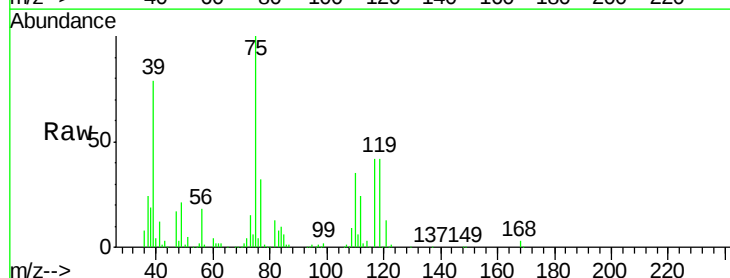
Tgt Ion: 75 Resp: 815831

Ion Ratio Lower Upper

75 100

110 34.6 17.6 52.8

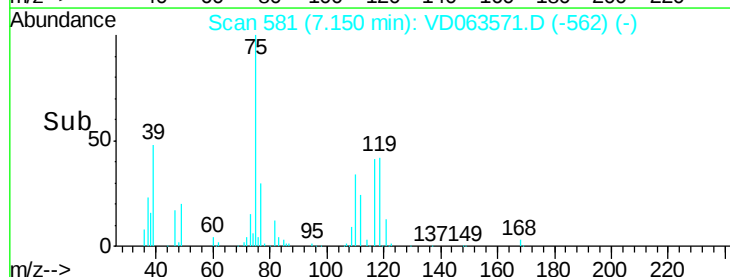
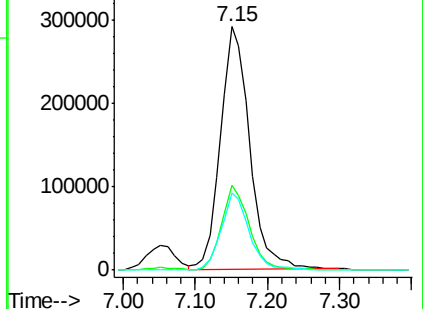
77 31.5 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

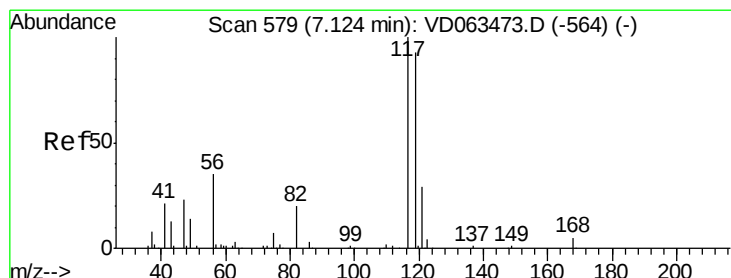
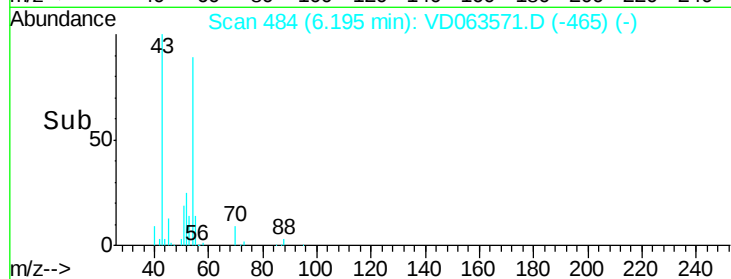
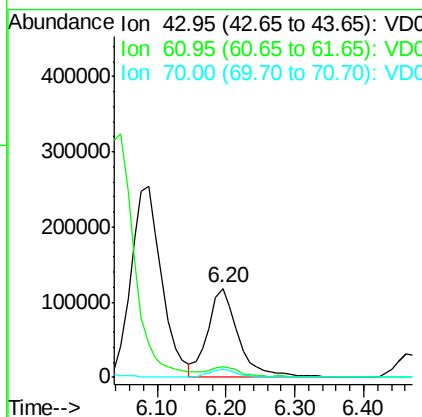
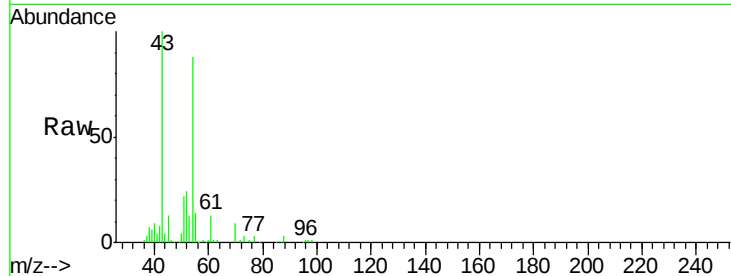




#37
Ethyl Acetate
Concen: 57.971 ug/l
RT: 6.20 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

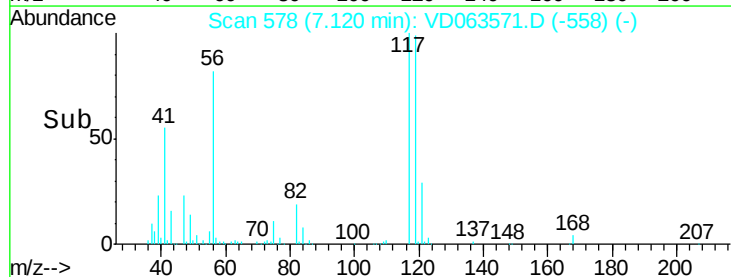
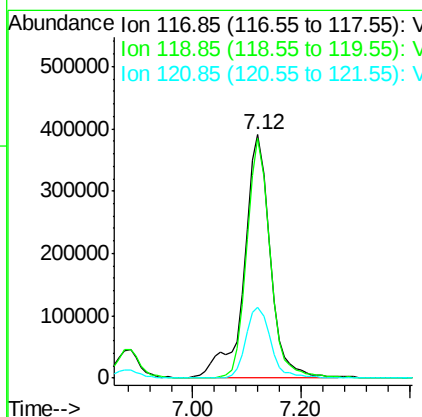
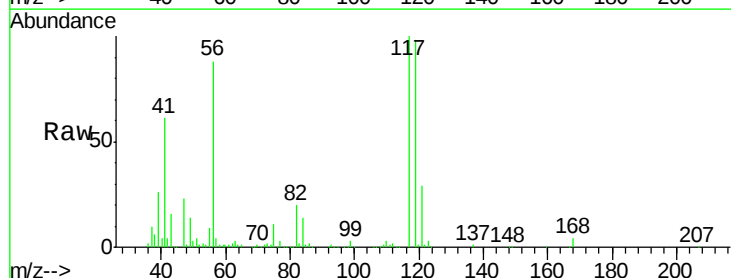
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

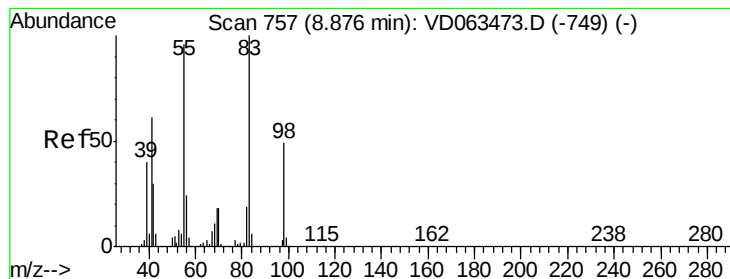
Tot Ion: 43 Resp: 356469
Ion Ratio Lower Upper
43 100
61 12.5 9.0 13.6
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 58.536 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion: 117 Resp: 1294596
Ion Ratio Lower Upper
117 100
119 98.4 74.2 111.2
121 29.0 23.1 34.7





#39

Methvlcvclohexane

Concen: 54.014 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

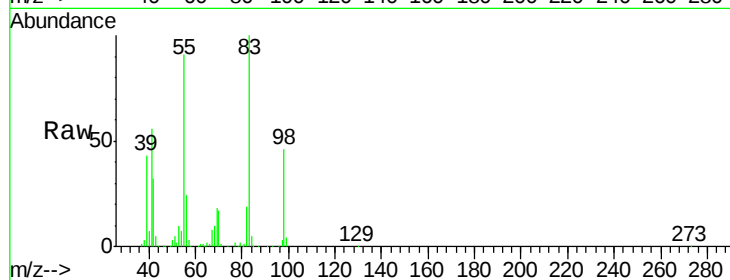
Tot Ion: 83 Resp: 674003

Ion Ratio Lower Upper

83 100

55 90.8 76.6 114.8

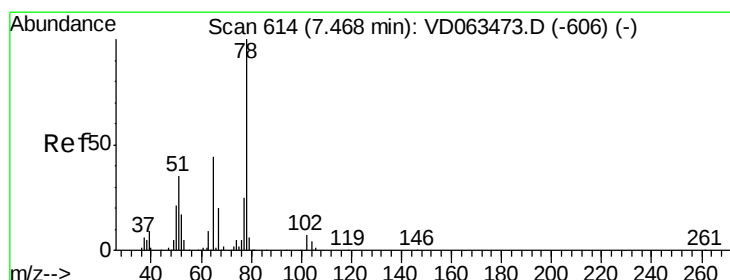
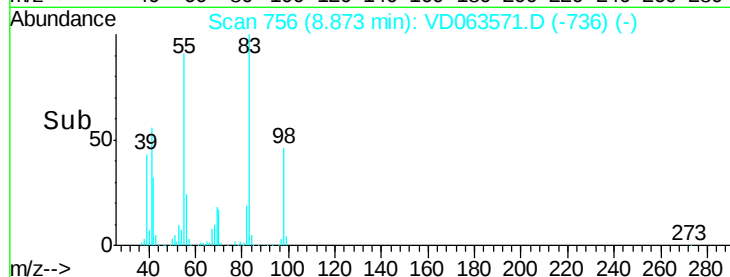
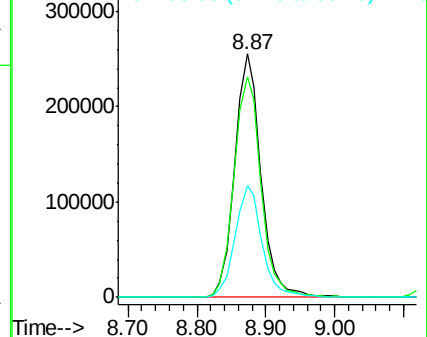
98 46.1 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 54.706 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063571.D

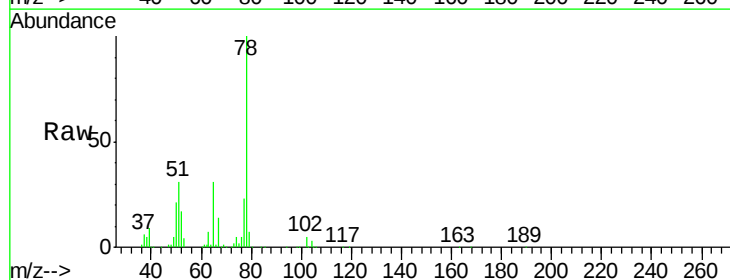
Acq: 14 Aug 2019 13:07

Tgt Ion: 78 Resp: 1766635

Ion Ratio Lower Upper

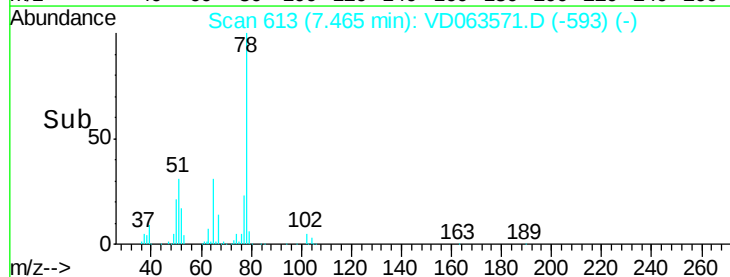
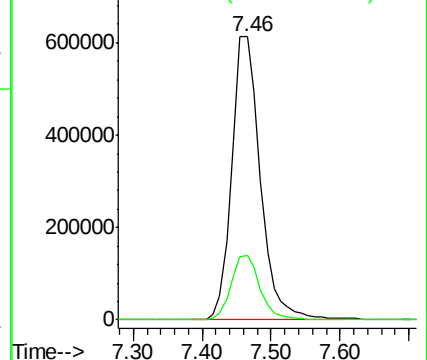
78 100

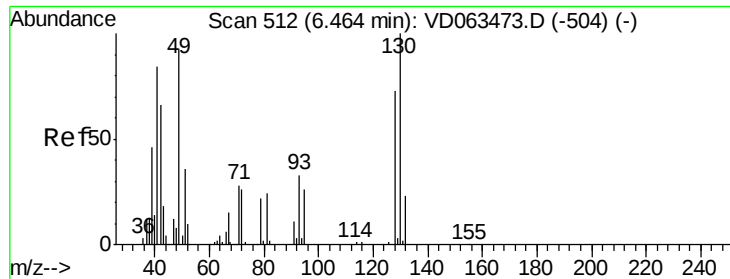
77 23.0 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

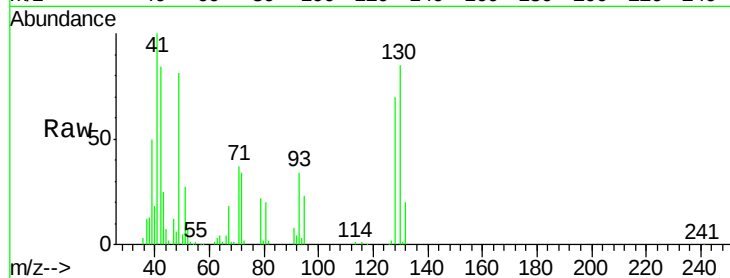




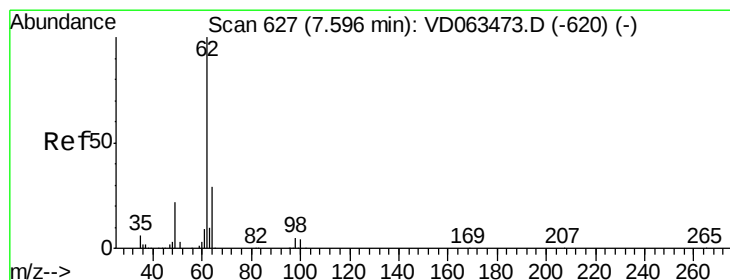
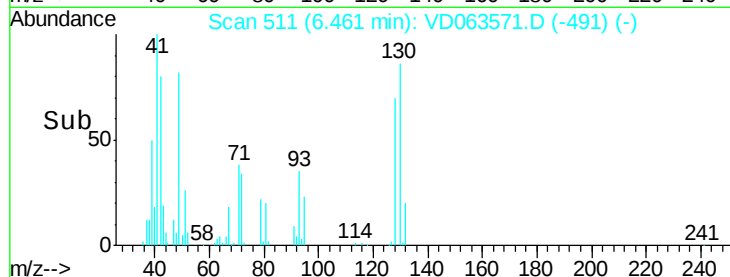
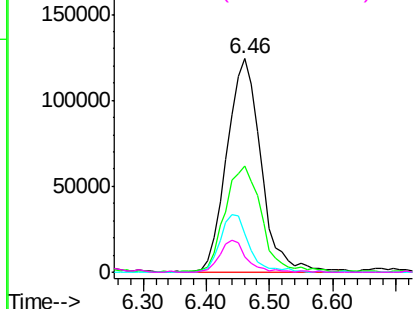
#41
Methacrylonitrile
Concen: 60.155 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 465738
Ion Ratio Lower Upper
41 100
39 49.8 44.6 66.8
67 18.0 14.4 21.6
52 7.0 9.3 13.9#

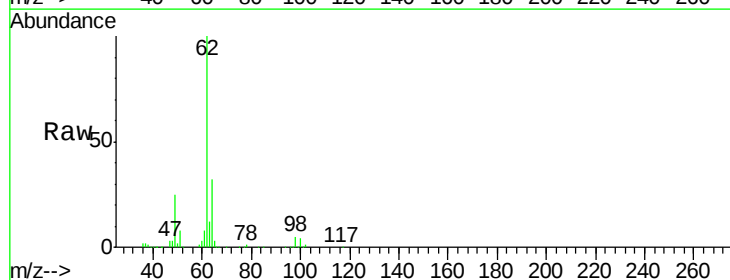


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

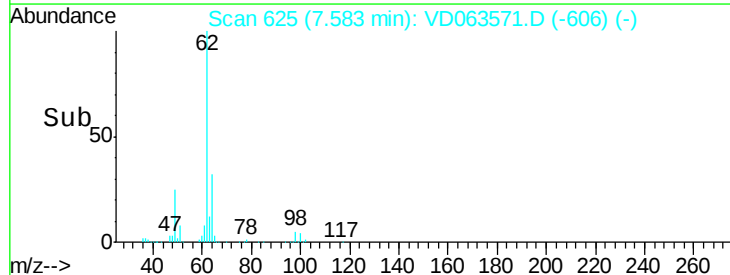
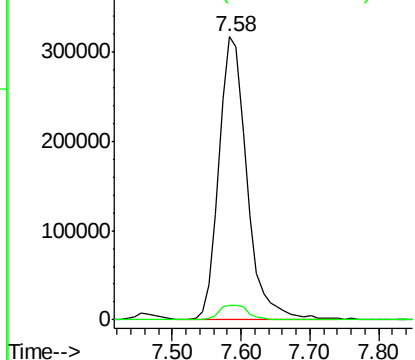


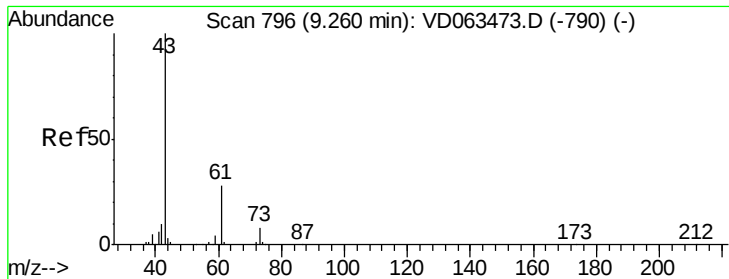
#42
1,2-Dichloroethane
Concen: 54.712 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion: 62 Resp: 888414
Ion Ratio Lower Upper
62 100
98 5.4 0.0 10.4



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



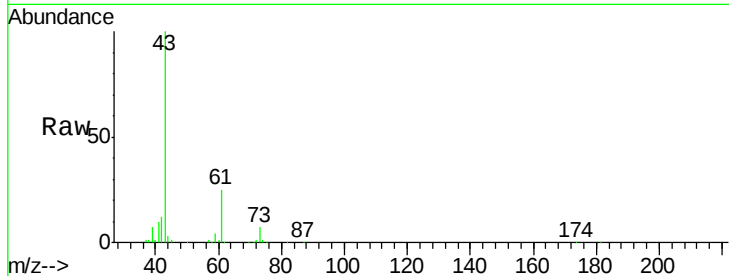


#43

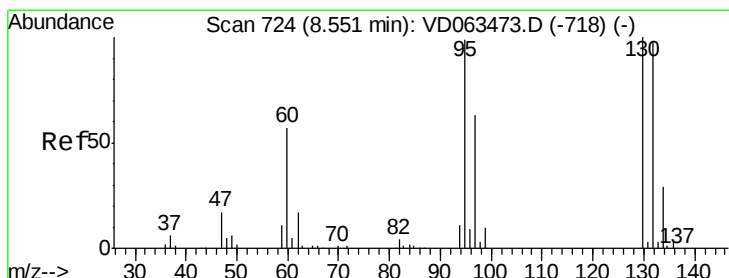
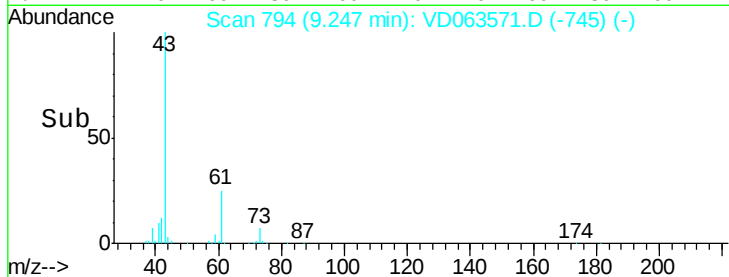
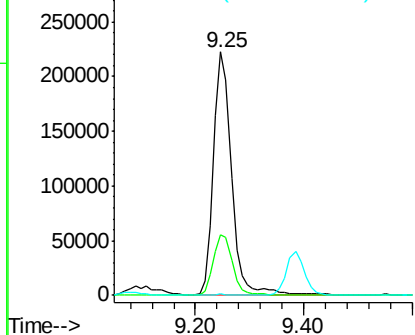
Isopropyl Acetate
 Concen: 63.671 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 524364
 Ion Ratio Lower Upper
 43 100
 61 25.1 22.2 33.2
 87 0.5 0.2 0.4#



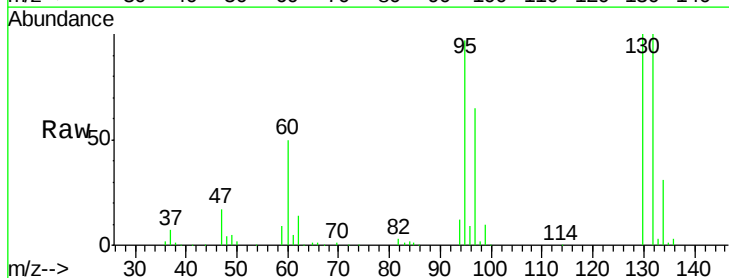
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



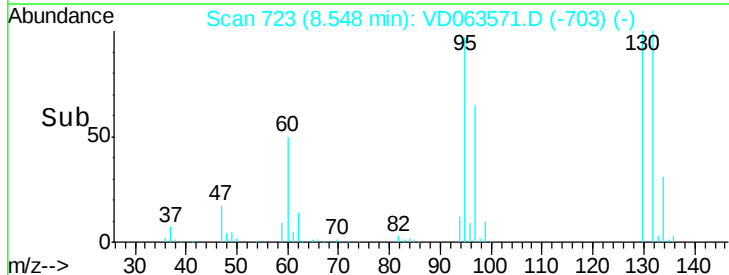
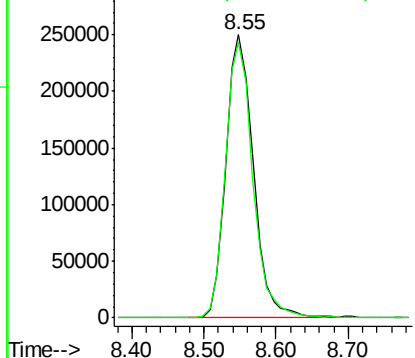
#44

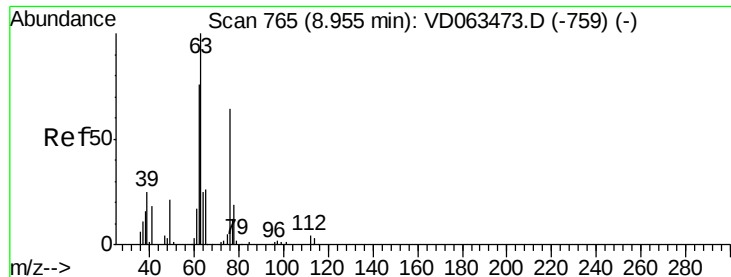
Trichloroethene
 Concen: 53.874 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 130 Resp: 664980
 Ion Ratio Lower Upper
 130 100
 95 97.5 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 58.422 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

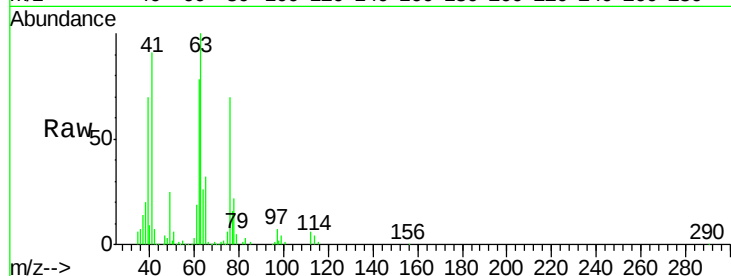
VSTDCCC050

Tot Ion: 63 Resp: 439355

Ion Ratio Lower Upper

63 100

65 32.0 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

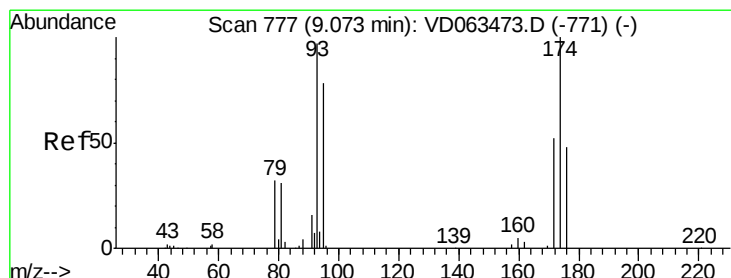
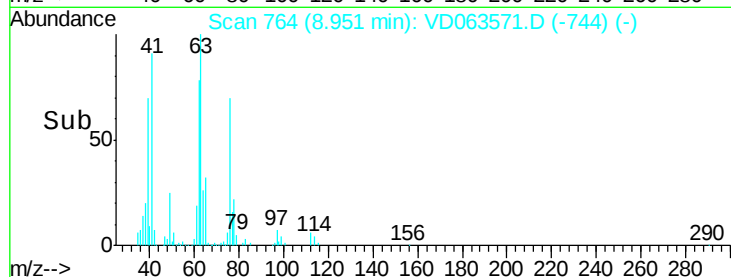
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 58.272 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

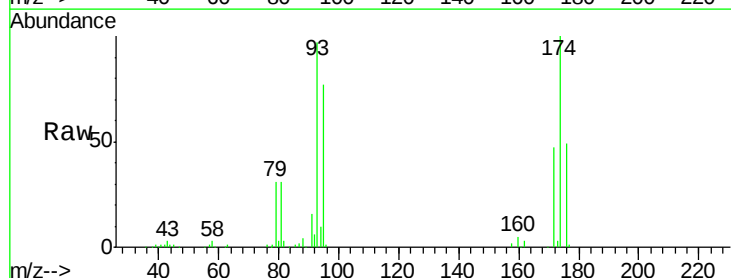
Tgt Ion: 93 Resp: 374238

Ion Ratio Lower Upper

93 100

95 79.2 64.2 96.2

174 103.1 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

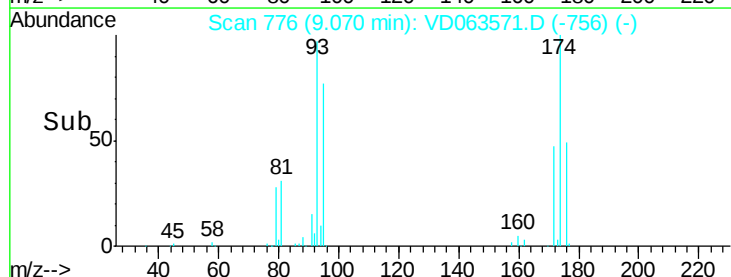
150000

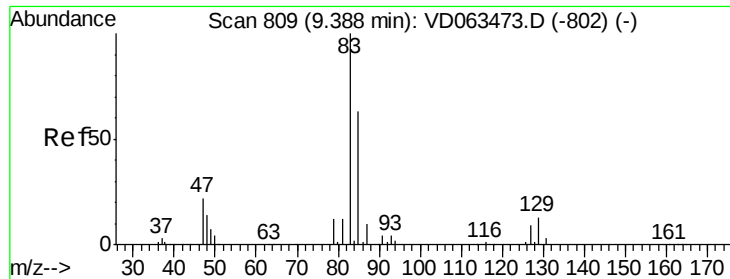
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 58.605 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

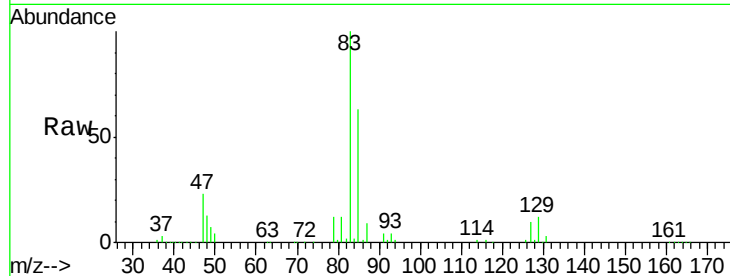
Tot Ion: 83 Resp: 965434

Ion Ratio Lower Upper

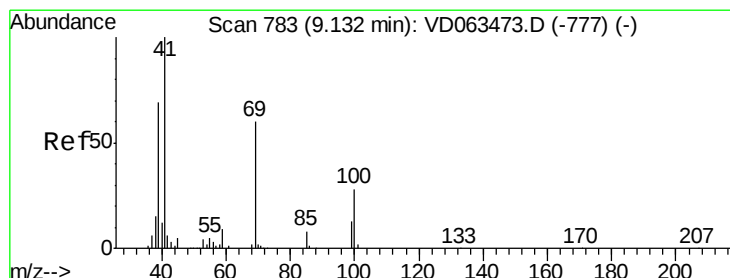
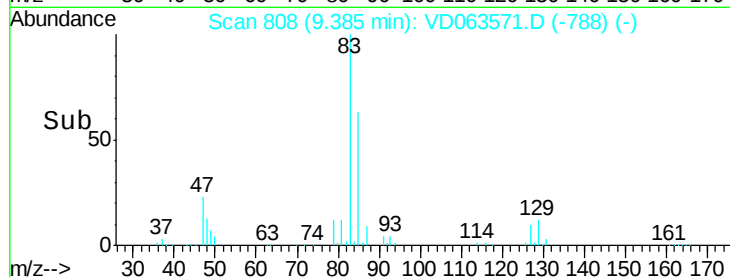
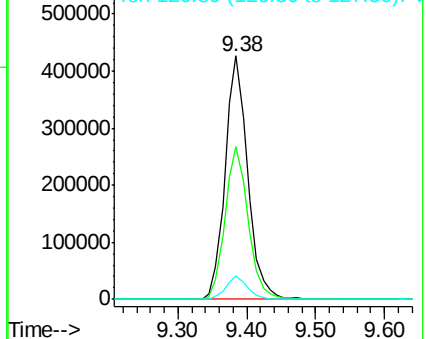
83 100

85 62.8 50.1 75.1

127 9.5 7.6 11.4



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



#48

Methyl methacrylate

Concen: 58.134 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

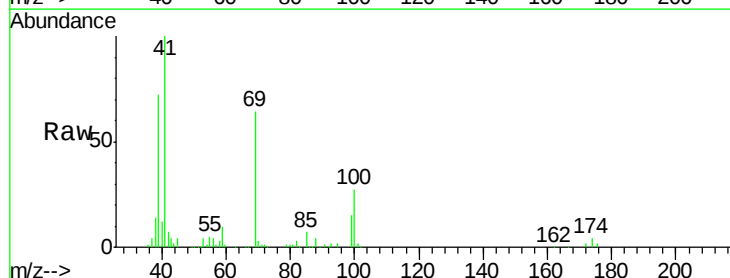
Tgt Ion: 41 Resp: 324690

Ion Ratio Lower Upper

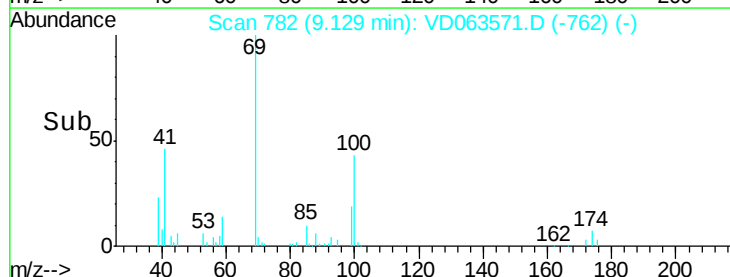
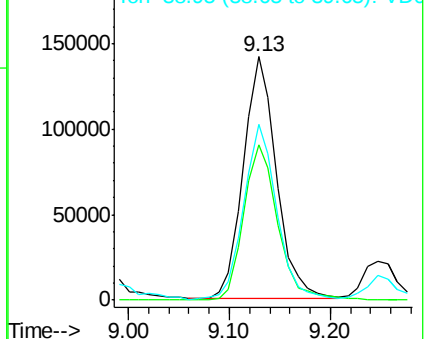
41 100

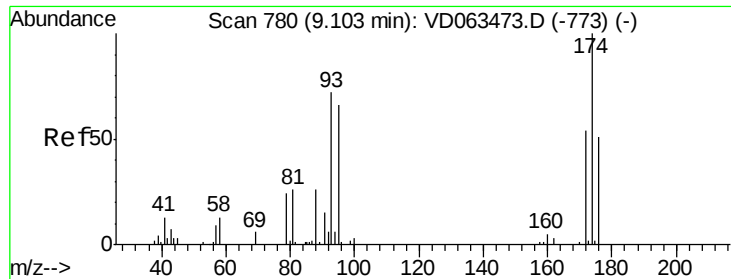
69 64.0 47.6 71.4

39 72.2 55.7 83.5



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

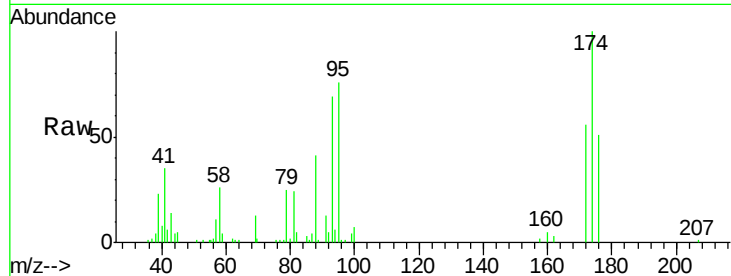




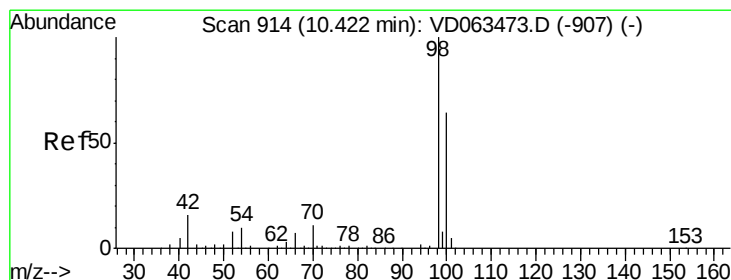
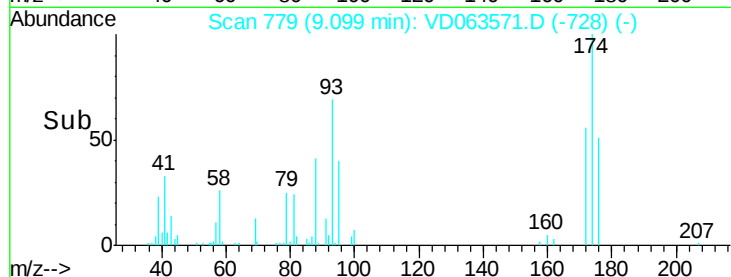
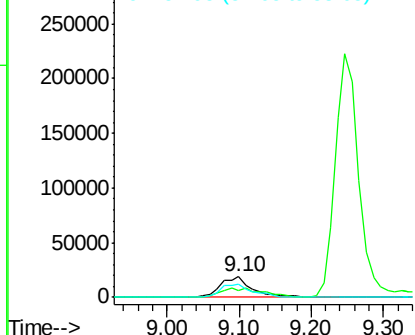
#49
1,4-Dioxane
Concen: 1150.512 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 57572
Ion Ratio Lower Upper
88 100
43 33.5 22.9 34.3
58 64.4 40.1 60.1#

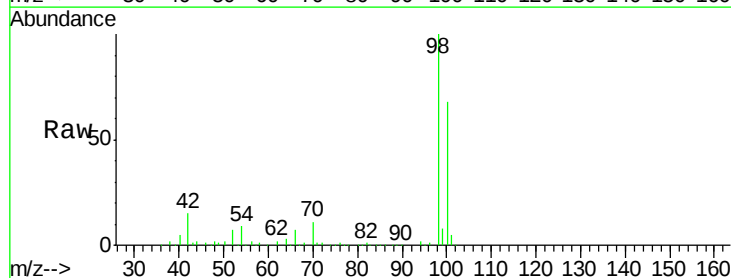


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

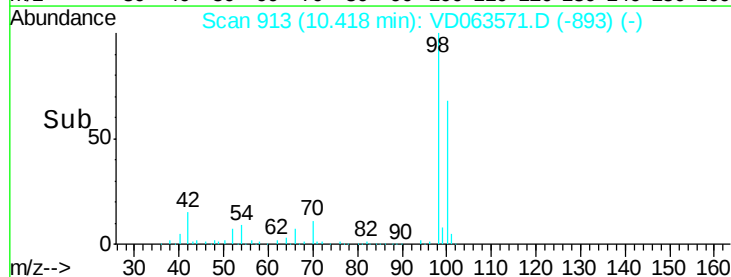
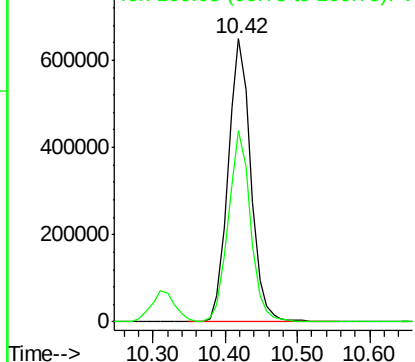


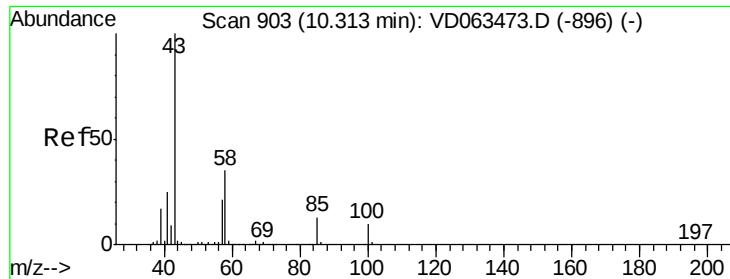
#50
Toluene-d8
Concen: 46.200 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion: 98 Resp: 1420021
Ion Ratio Lower Upper
98 100
100 67.6 51.7 77.5



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: 287.031 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

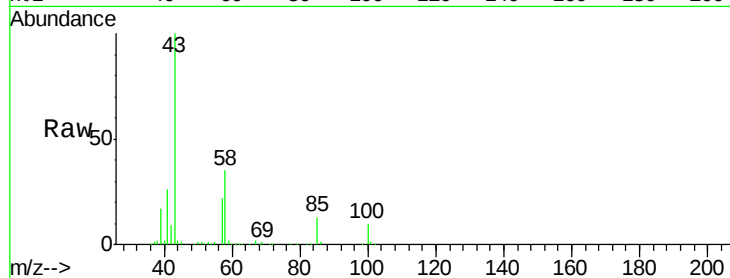
VSTDCCC050

Tot Ion: 43 Resp: 1617529

Ion Ratio Lower Upper

43 100

58 35.1 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

800000

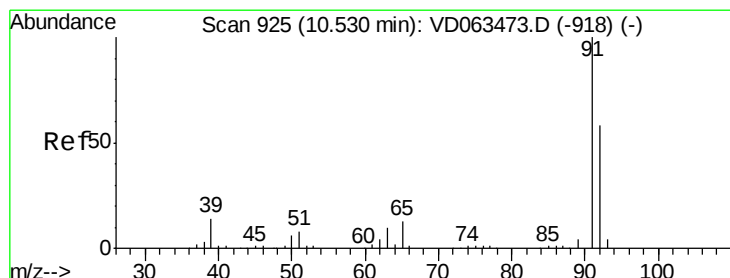
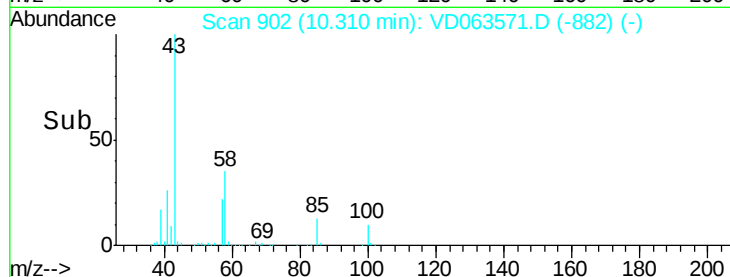
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.402 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063571.D

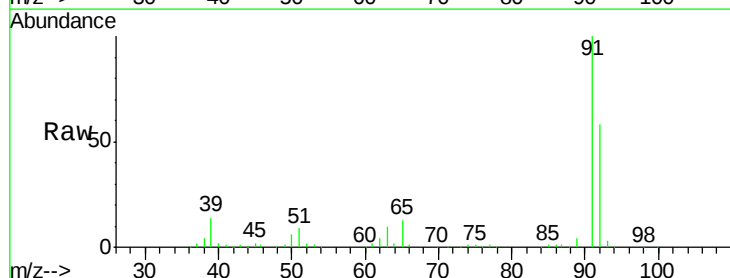
Acq: 14 Aug 2019 13:07

Tgt Ion: 92 Resp: 1110762

Ion Ratio Lower Upper

92 100

91 172.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

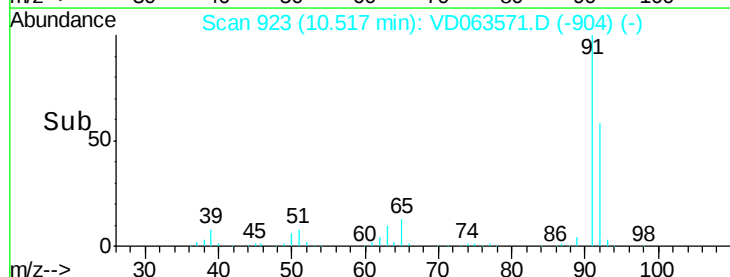
600000

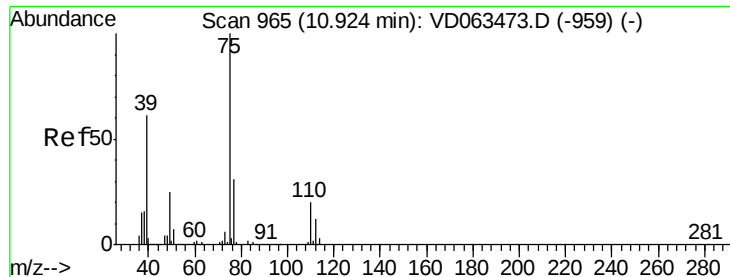
400000

200000

0

Time-->

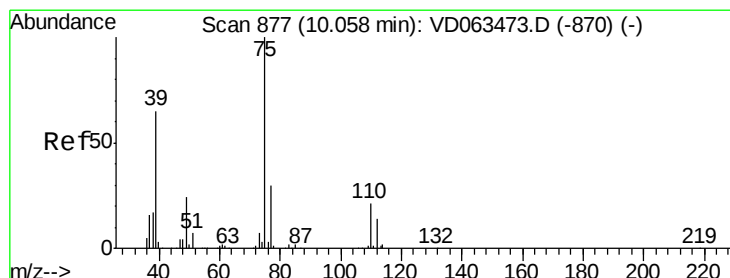
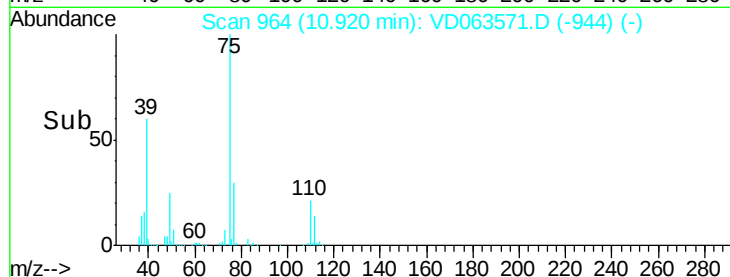
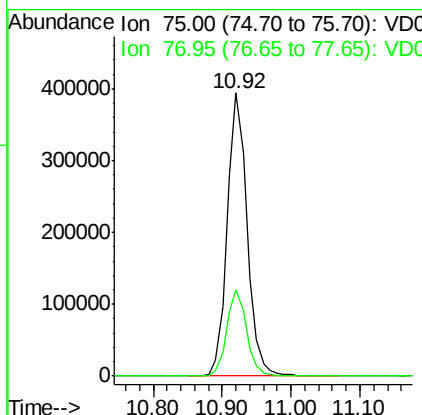
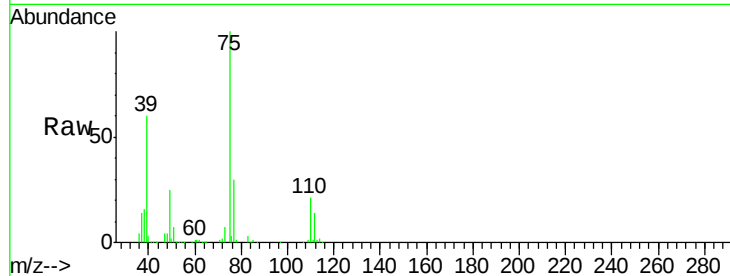




#53
t-1,3-Dichloropropene
Concen: 58.534 ug/l
RT: 10.92 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

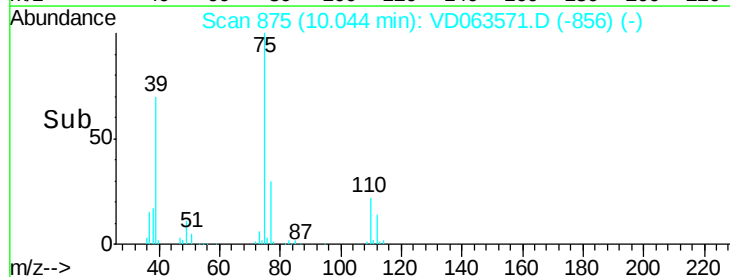
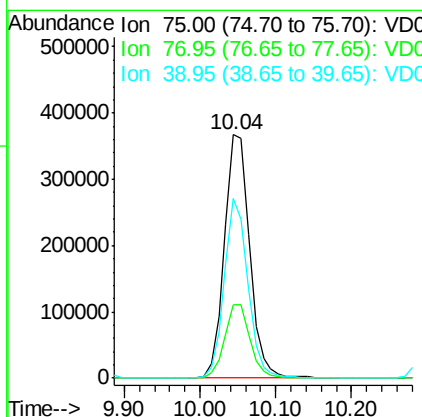
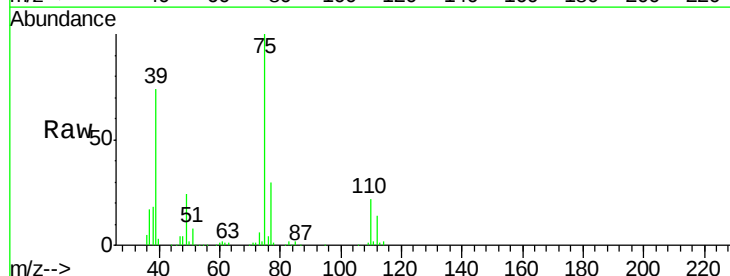
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

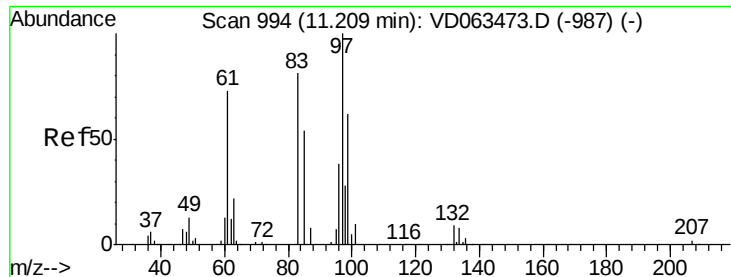
Tot Ion: 75 Resp: 786937
Ion Ratio Lower Upper
75 100
77 30.4 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 56.024 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion: 75 Resp: 849284
Ion Ratio Lower Upper
75 100
77 30.2 23.7 35.5
39 73.7 52.2 78.4

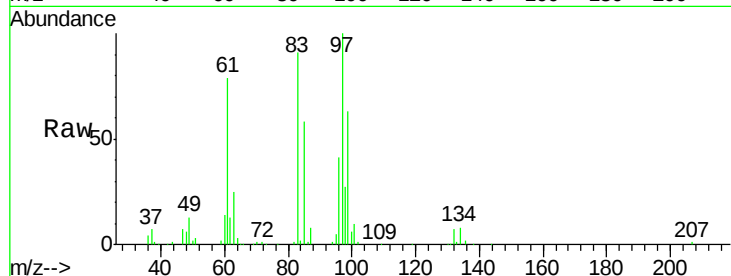




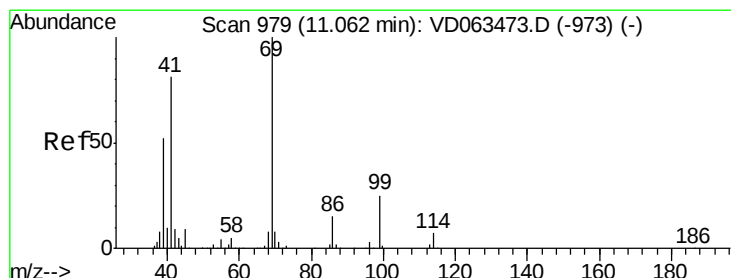
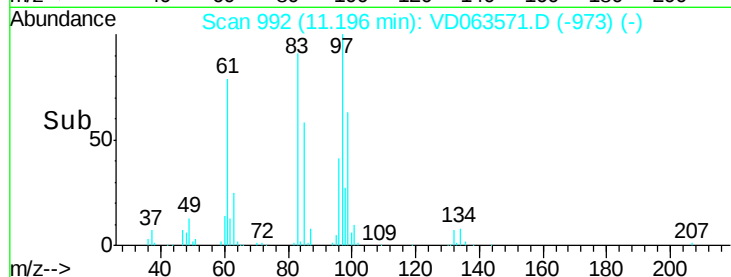
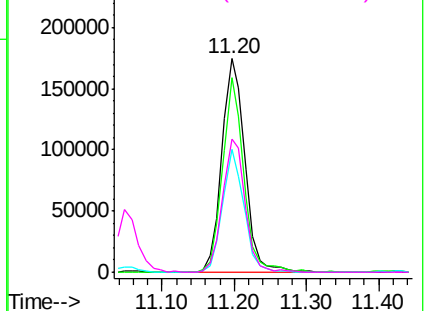
#55
 1,1,2-Trichloroethane
 Concen: 54.976 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	386267
Ion	Ratio	Lower	Upper
97	100		
83	91.2	64.7	97.1
85	57.7	42.9	64.3
99	62.6	49.7	74.5

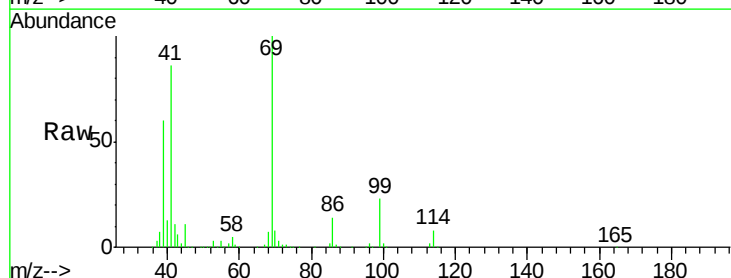


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

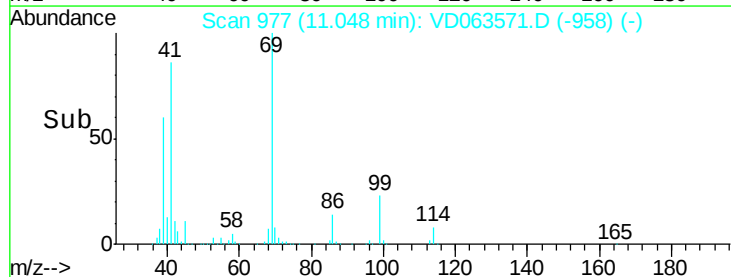
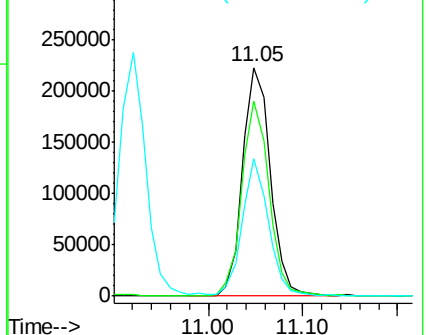


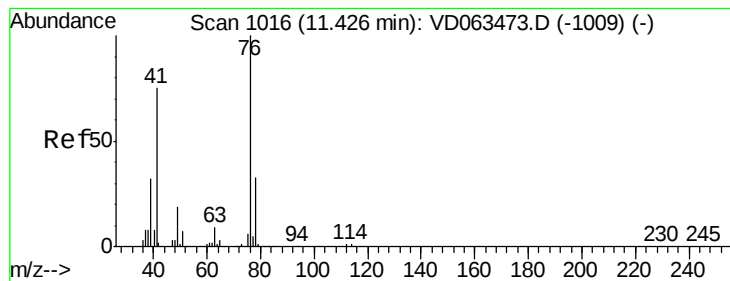
#56
 Ethyl methacrylate
 Concen: 59.837 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion:	69	Resp:	456324
Ion	Ratio	Lower	Upper
69	100		
41	85.5	64.8	97.2
39	60.2	42.4	63.6



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: 56.966 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

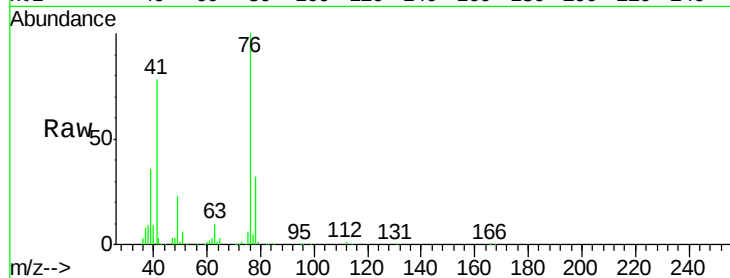
VSTDCCC050

Tot Ion: 76 Resp: 605015

Ion Ratio Lower Upper

76 100

78 32.5 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

300000

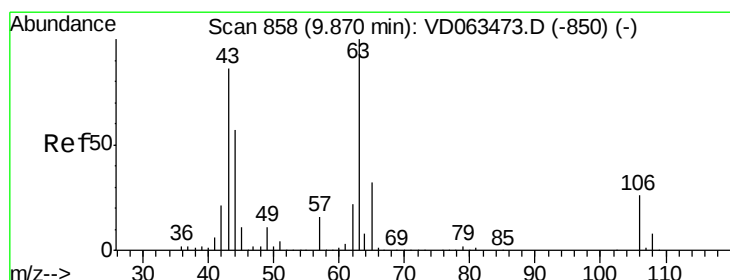
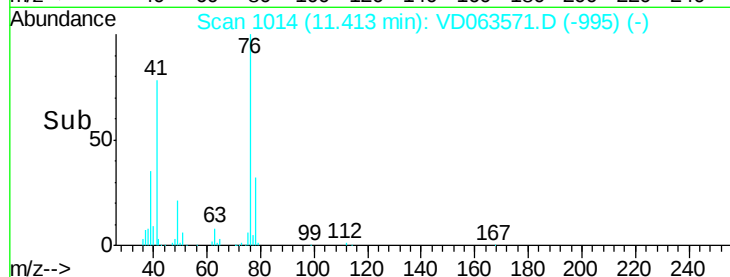
200000

100000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 288.910 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063571.D

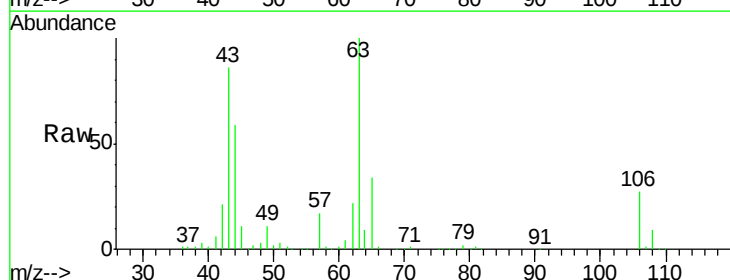
Acq: 14 Aug 2019 13:07

Tgt Ion: 63 Resp: 1163181

Ion Ratio Lower Upper

63 100

106 27.5 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

600000

500000

400000

300000

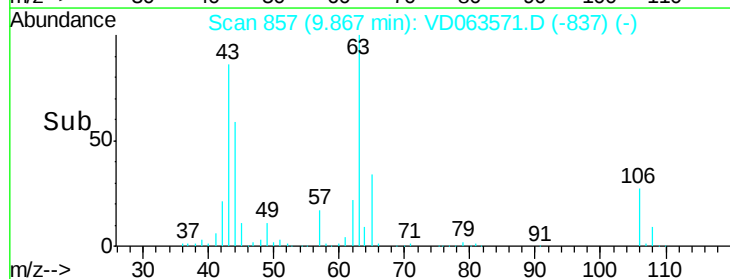
200000

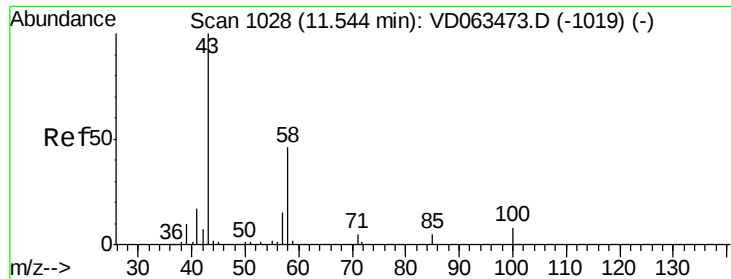
100000

0

Time-->

9.80 9.90 10.00

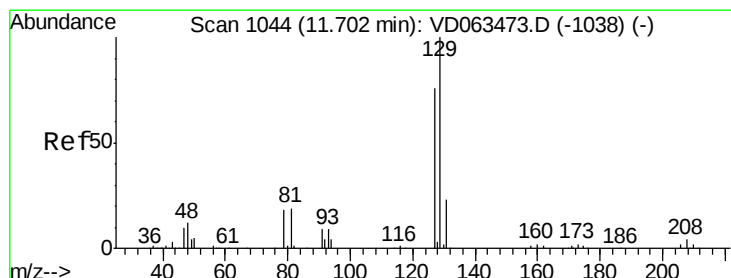
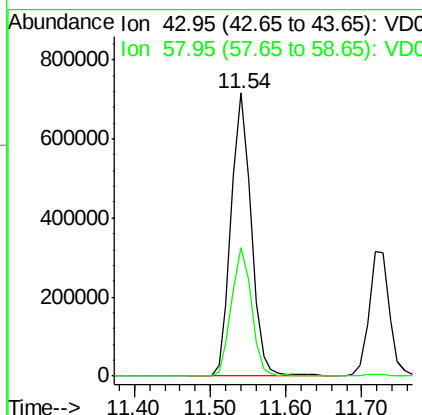
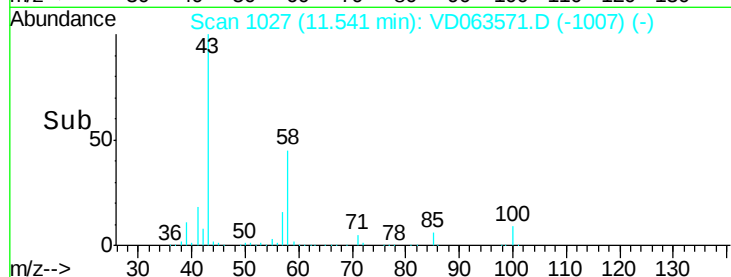
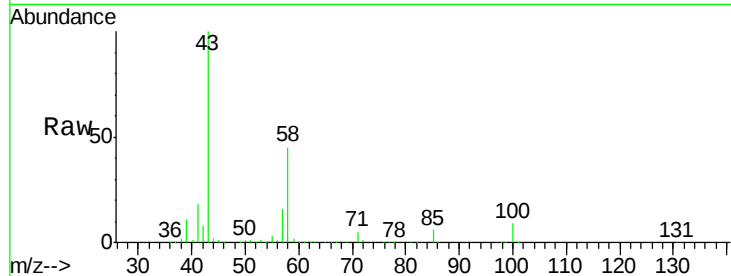




#59
2-Hexanone
Concen: 319.527 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

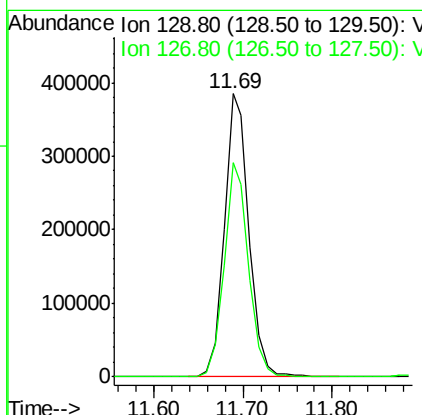
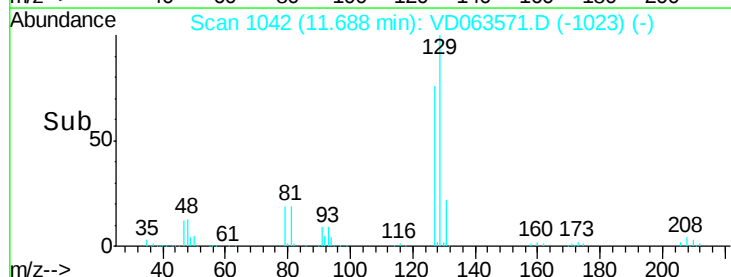
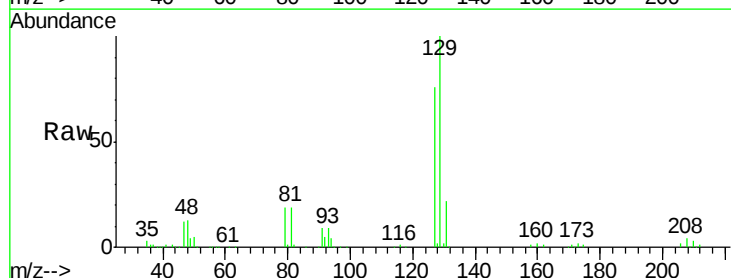
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

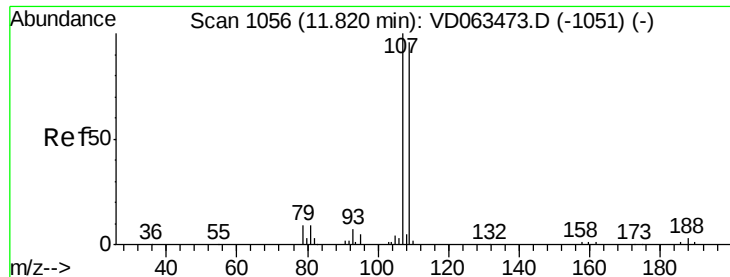
Tot Ion: 43 Resp: 1310203
Ion Ratio Lower Upper
43 100
58 45.2 23.1 69.2



#60
Dibromochloromethane
Concen: 58.200 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion:129 Resp: 744093
Ion Ratio Lower Upper
129 100
127 75.7 37.8 113.4

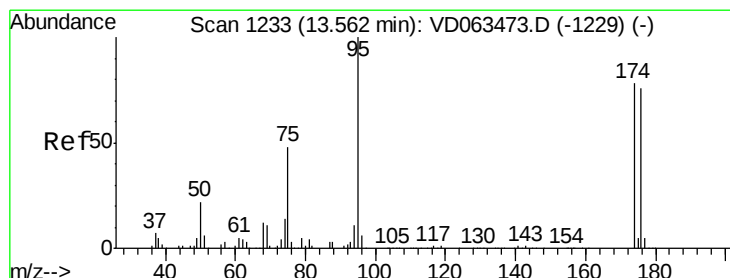
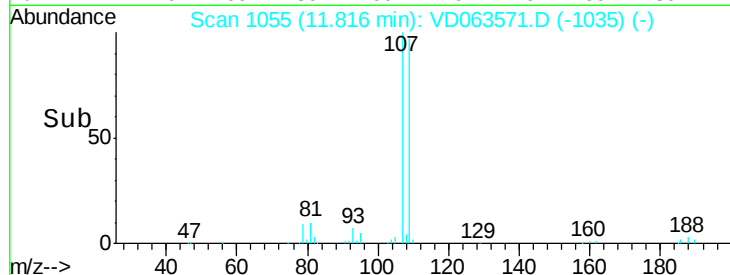
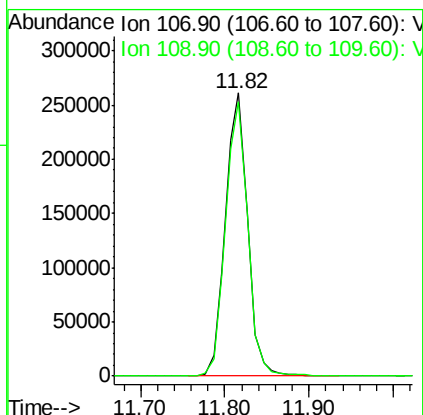
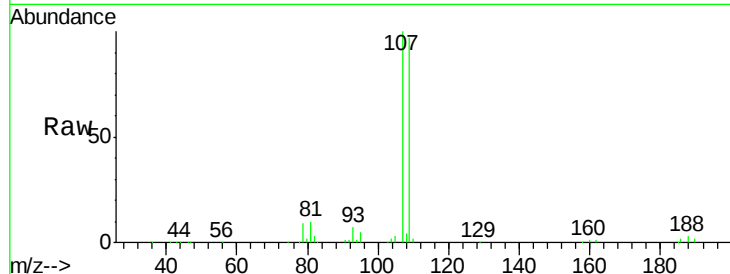




#61
 1,2-Dibromoethane
 Concen: 56.287 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

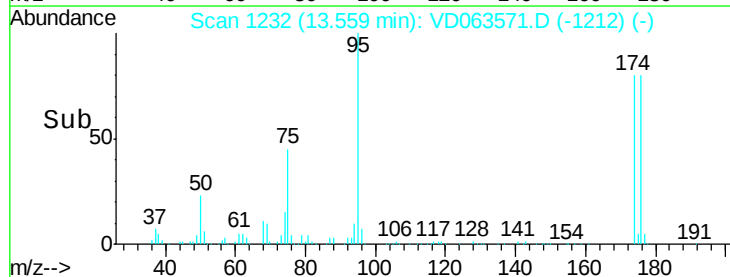
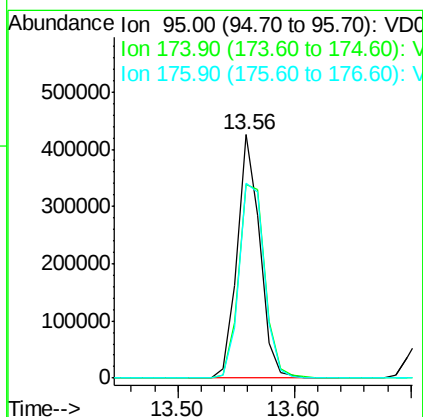
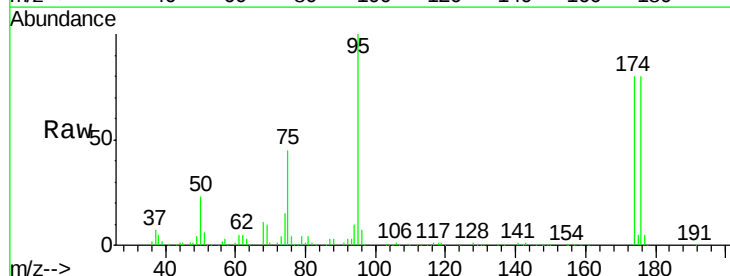
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 478762
 Ion Ratio Lower Upper
 107 100
 109 96.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 40.916 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 95 Resp: 569999
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 155.4
 176 80.3 0.0 152.4

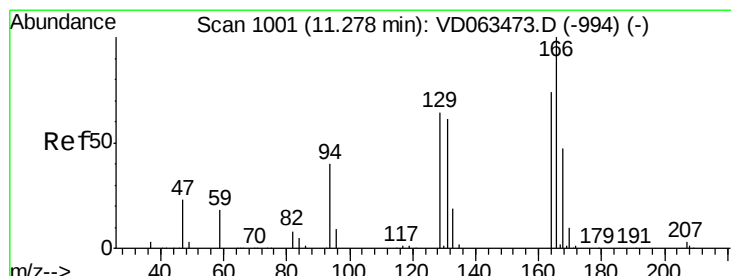
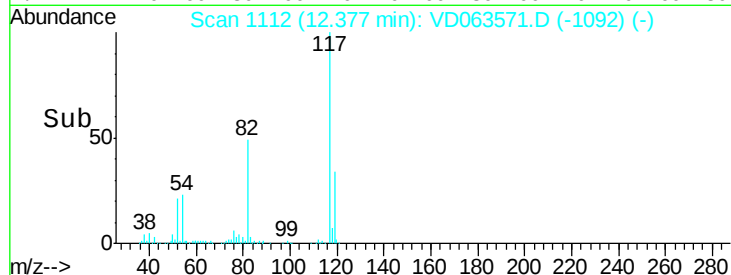
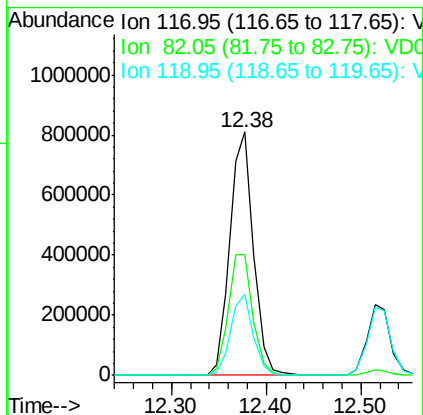
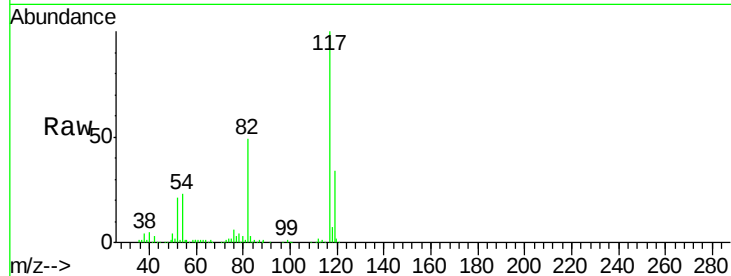




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

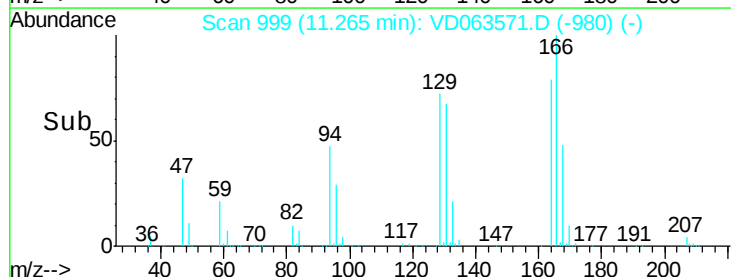
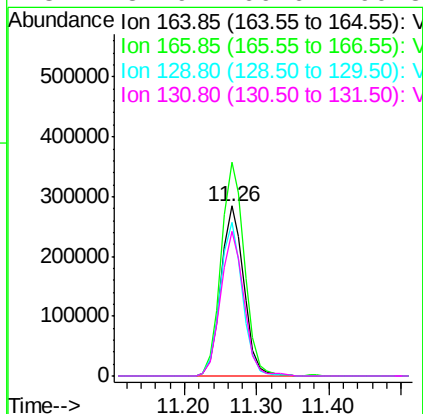
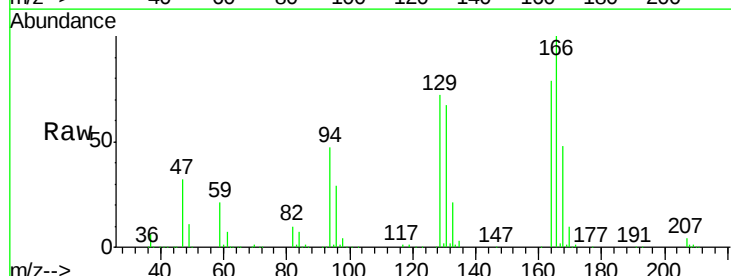
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

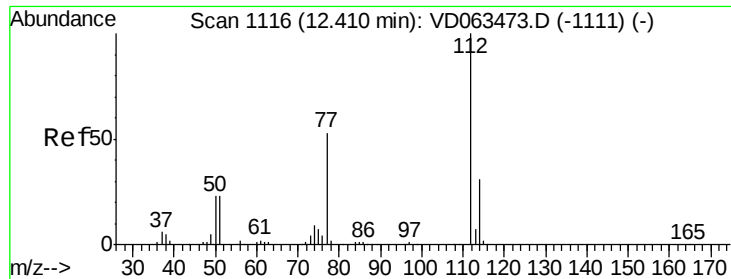
Tot Ion:117 Resp: 1393982
Ion Ratio Lower Upper
117 100
82 49.5 42.0 63.0
119 33.5 25.4 38.0



#64
Tetrachloroethene
Concen: 57.591 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion:164 Resp: 619742
Ion Ratio Lower Upper
164 100
166 125.8 108.6 163.0
129 90.3 69.0 103.6
131 84.9 66.6 99.8





#65

Chlorobenzene

Concen: 54.261 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

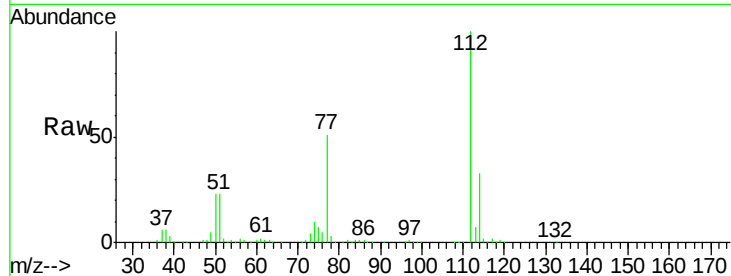
VSTDCCC050

Tot Ion:112 Resp: 1417653

Ion Ratio Lower Upper

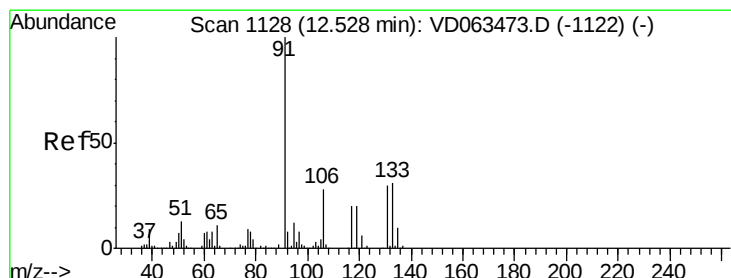
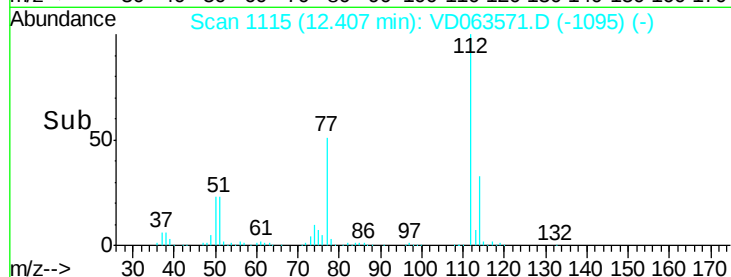
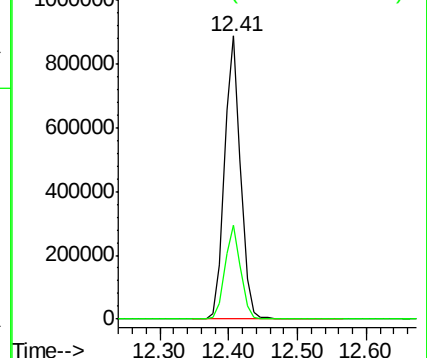
112 100

114 33.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.788 ug/l

RT: 12.52 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

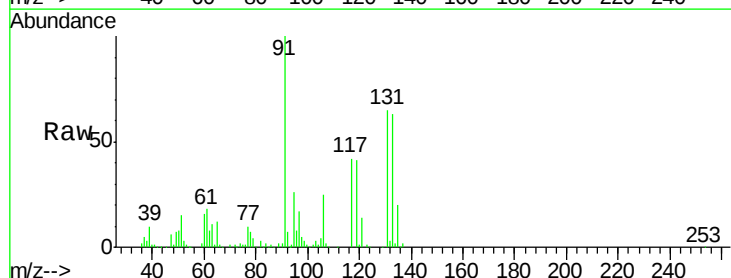
Tgt Ion:131 Resp: 629967

Ion Ratio Lower Upper

131 100

133 97.1 51.1 153.3

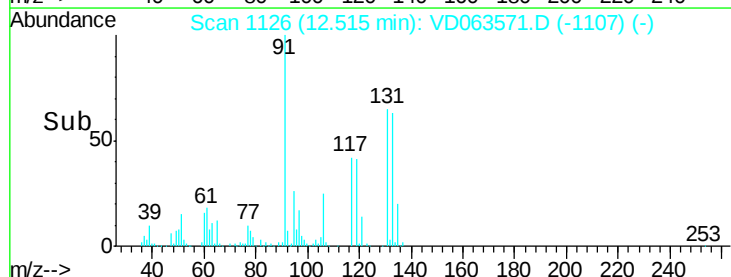
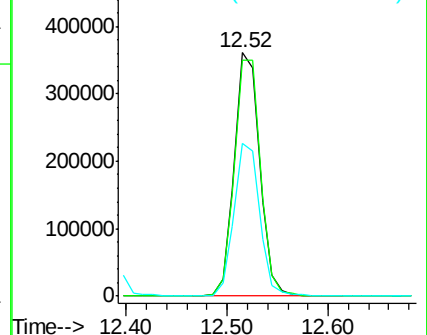
119 62.6 33.1 99.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

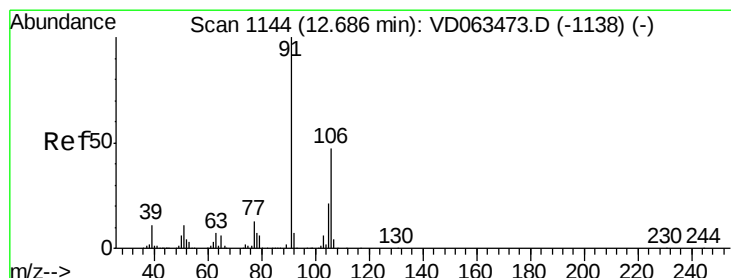
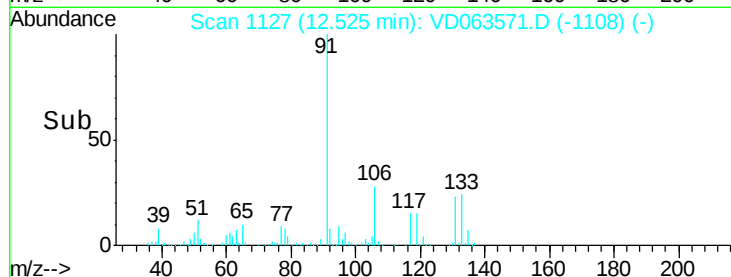
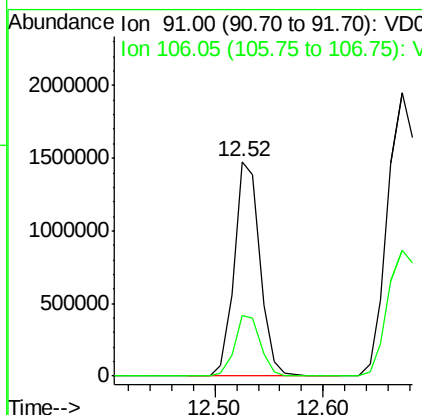
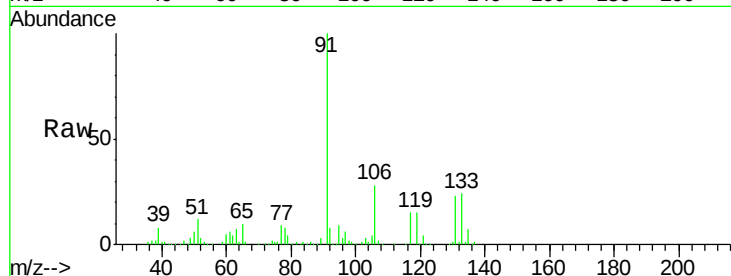




#67
Ethyl Benzene
Concen: 53.785 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

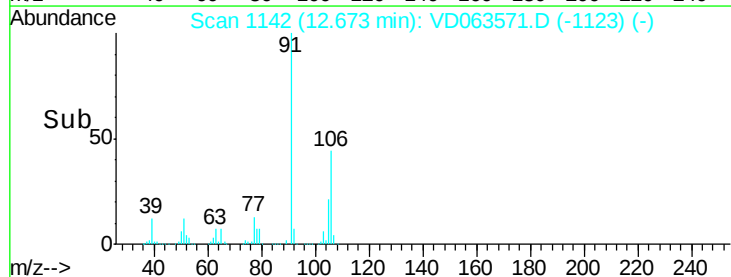
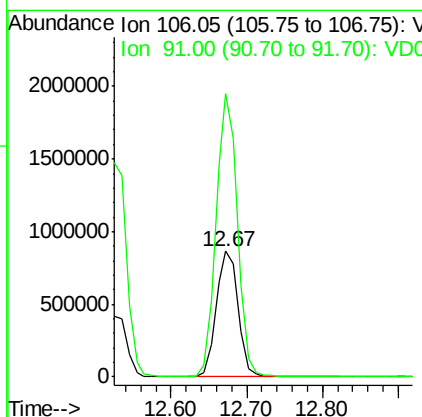
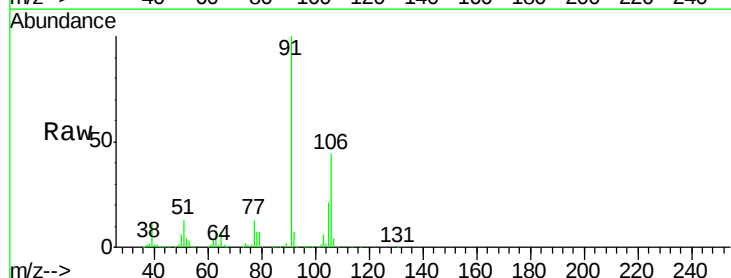
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

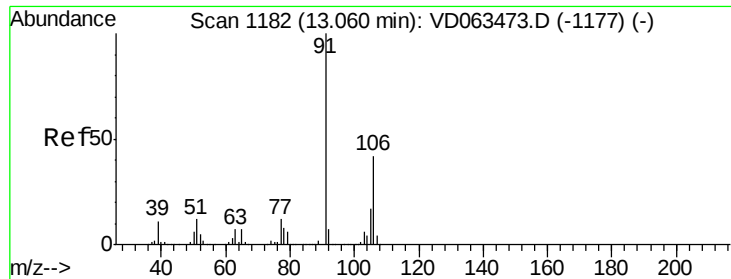
Tot Ion: 91 Resp: 2443340
Ion Ratio Lower Upper
91 100
106 28.2 23.1 34.7



#68
m/p-Xylenes
Concen: 109.368 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion:106 Resp: 1745528
Ion Ratio Lower Upper
106 100
91 224.8 171.8 257.8

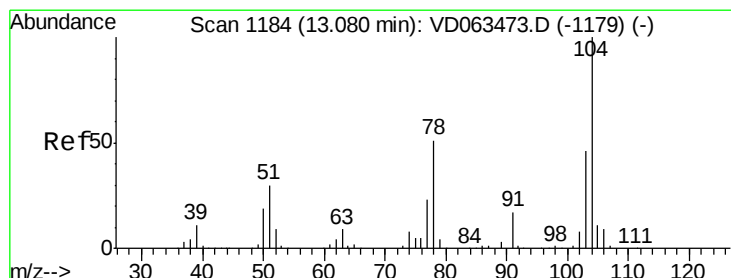
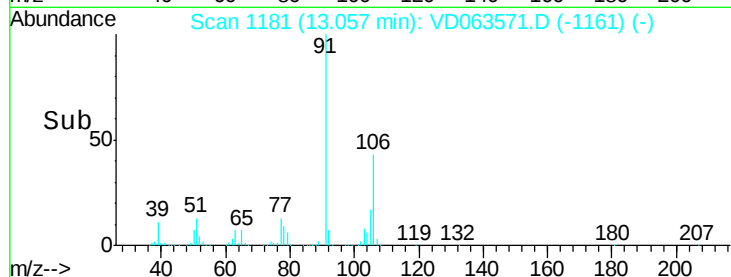
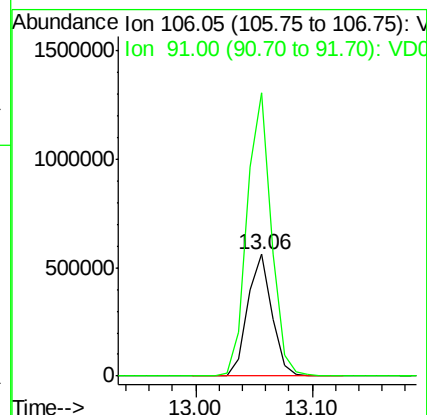
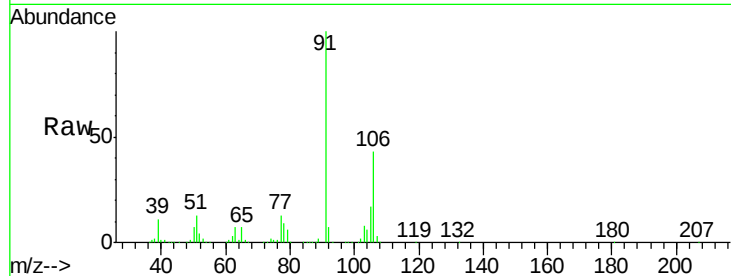




#69
o-Xylene
Concen: 52.985 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

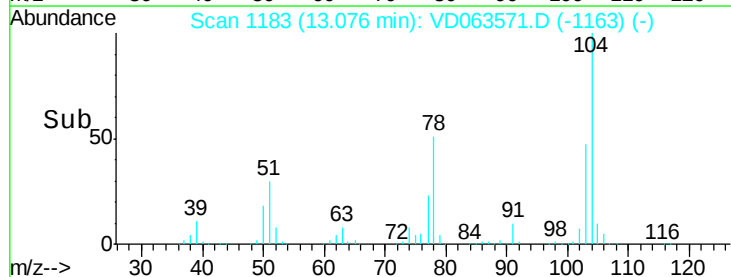
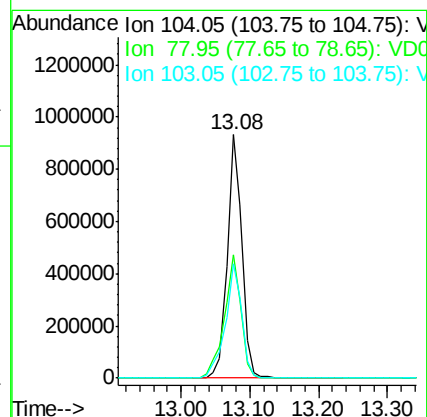
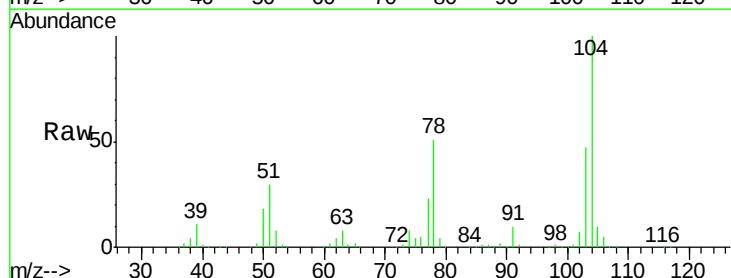
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

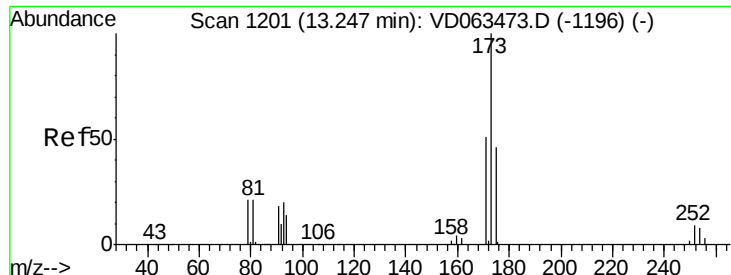
Tot Ion:106 Resp: 813904
Ion Ratio Lower Upper
106 100
91 232.3 118.1 354.2



#70
Styrene
Concen: 49.919 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion:104 Resp: 1363978
Ion Ratio Lower Upper
104 100
78 50.8 40.8 61.2
103 47.0 36.4 54.6





#71

Bromoform

Concen: 59.479 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

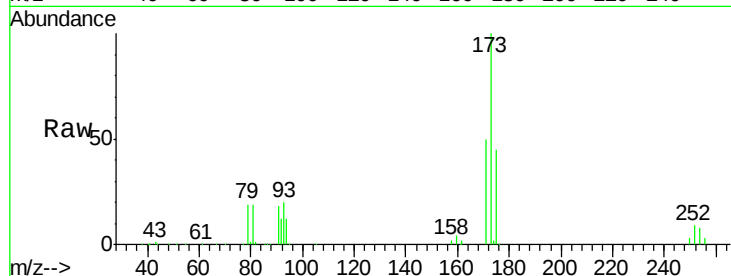
Tot Ion:173 Resp: 468946

Ion Ratio Lower Upper

173 100

175 44.7 22.8 68.3

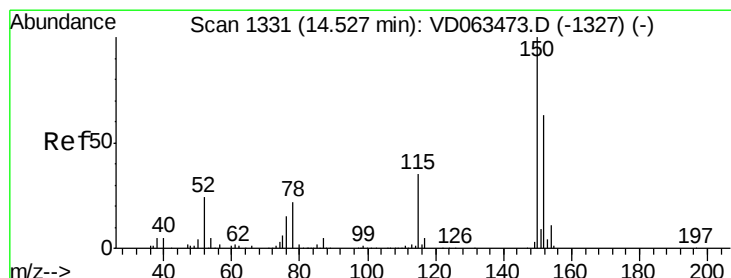
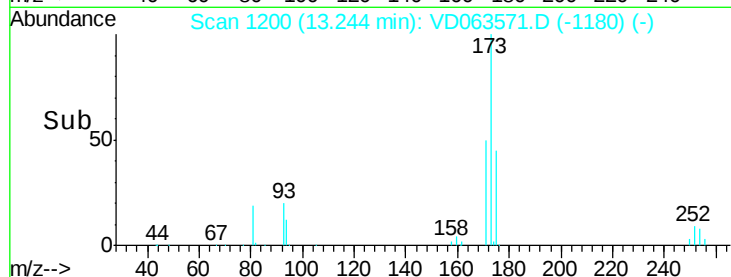
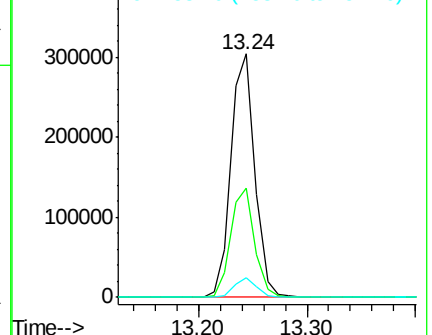
254 7.8 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

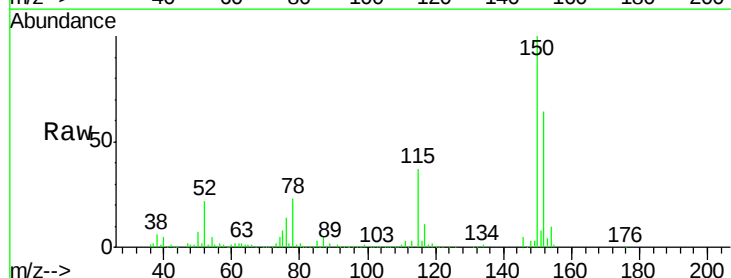
Tgt Ion:152 Resp: 754439

Ion Ratio Lower Upper

152 100

115 58.6 30.9 92.7

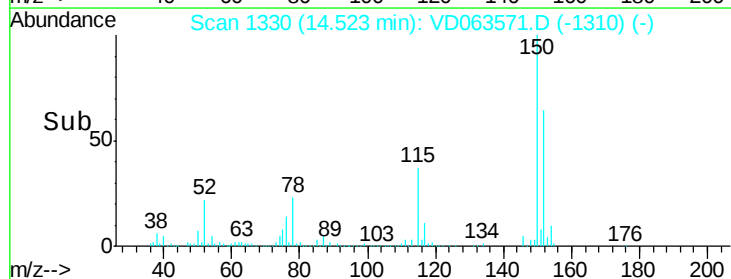
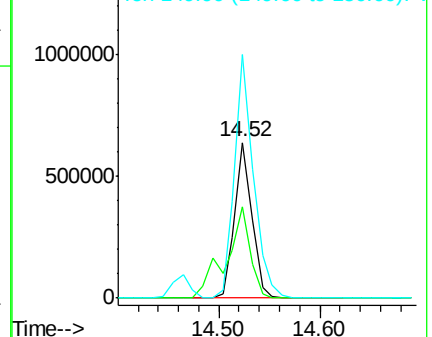
150 156.4 0.0 318.6



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: 47.344 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

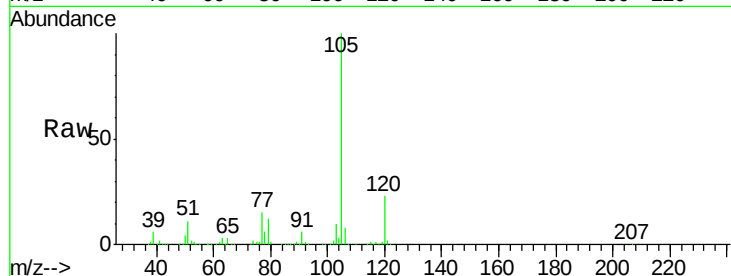
VSTDCCC050

Tot Ion:105 Resp: 2271875

Ion Ratio Lower Upper

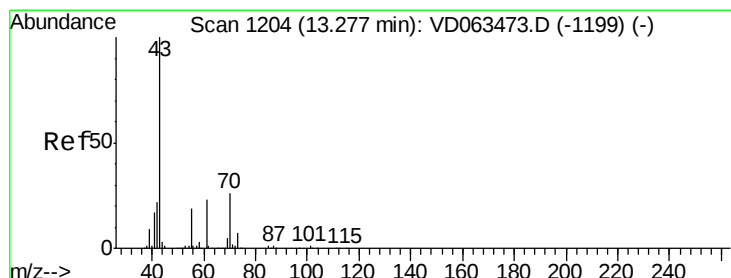
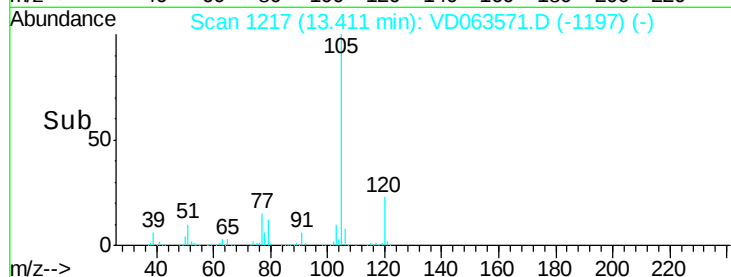
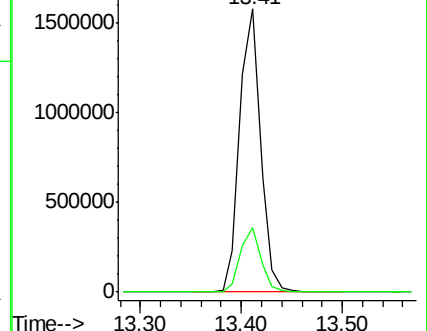
105 100

120 22.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 56.018 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Tgt Ion: 43 Resp: 674793

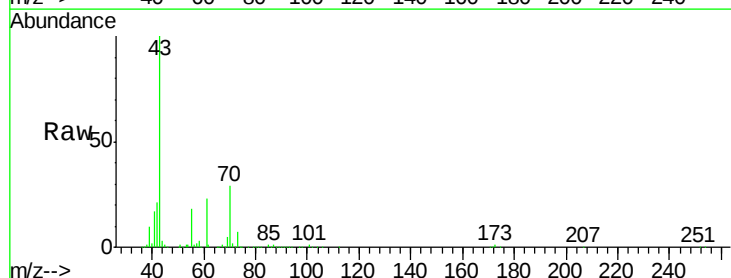
Ion Ratio Lower Upper

43 100

70 29.2 21.1 31.7

55 18.1 15.4 23.0

61 22.9 18.2 27.2

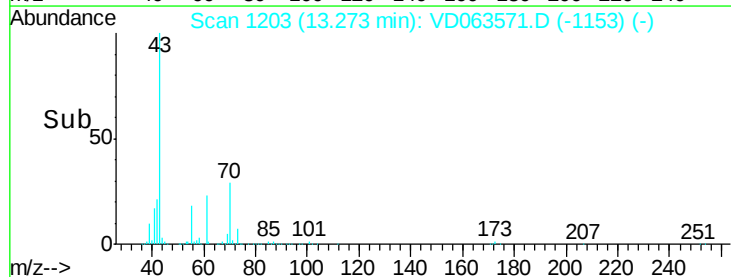
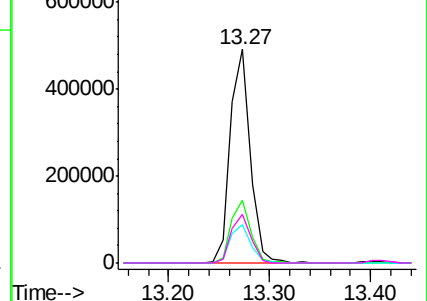


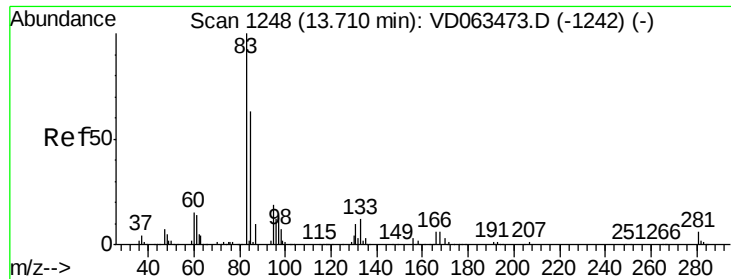
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 57.831 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

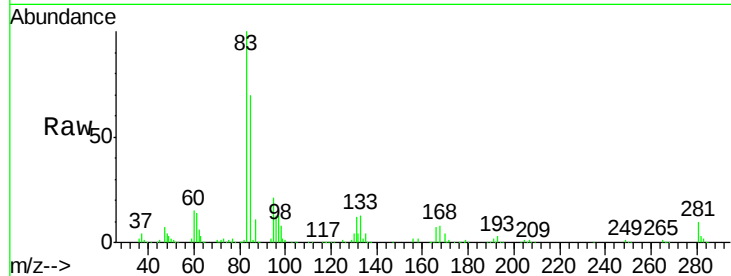
Tot Ion: 83 Resp: 460616

Ion Ratio Lower Upper

83 100

131 12.2 5.3 15.8

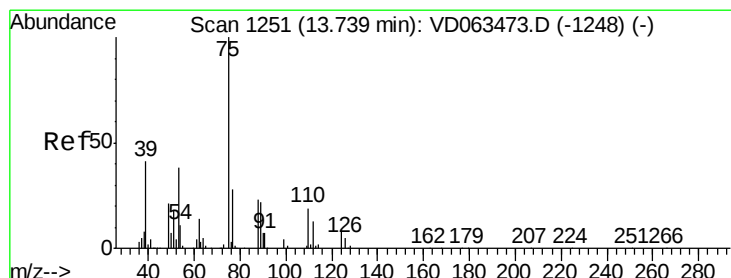
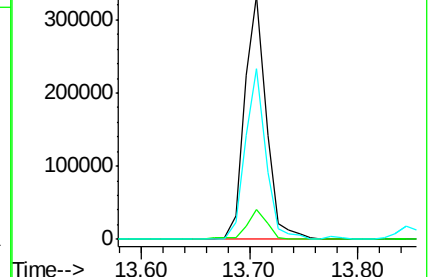
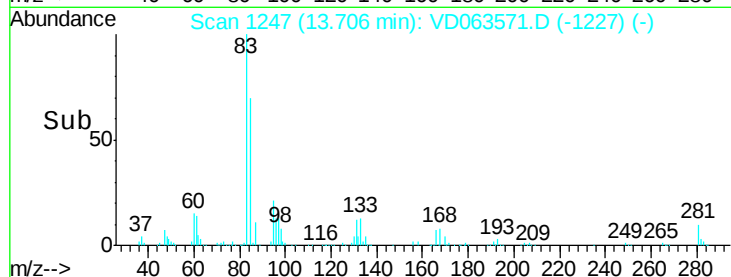
85 69.9 31.4 94.3



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: 57.782 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063571.D

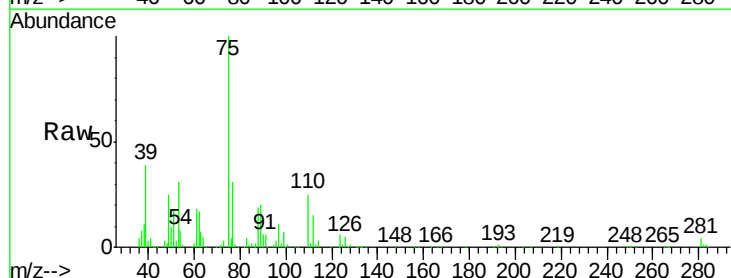
Acq: 14 Aug 2019 13:07

Tgt Ion: 75 Resp: 500299

Ion Ratio Lower Upper

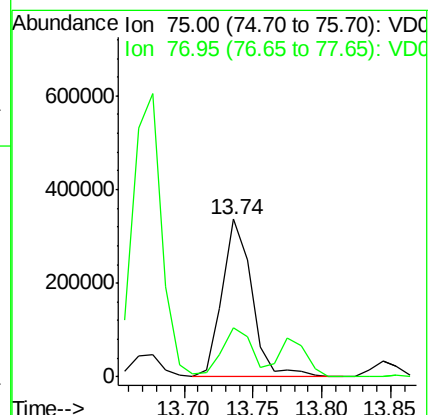
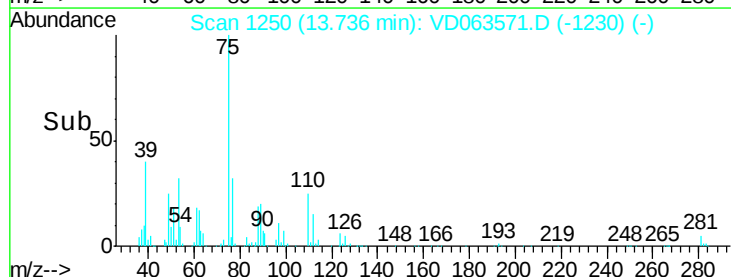
75 100

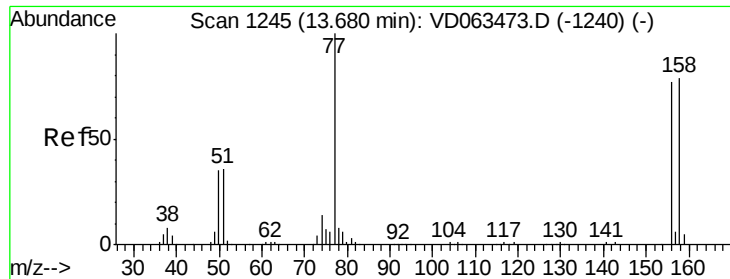
77 31.2 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.080 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

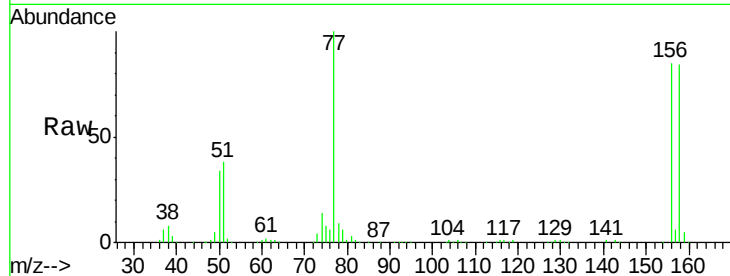
Tot Ion:156 Resp: 696133

Ion Ratio Lower Upper

156 100

77 117.3 64.6 193.8

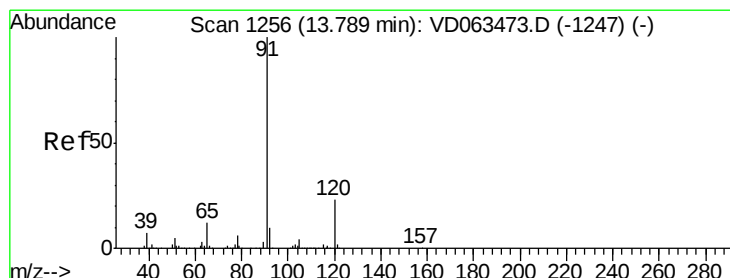
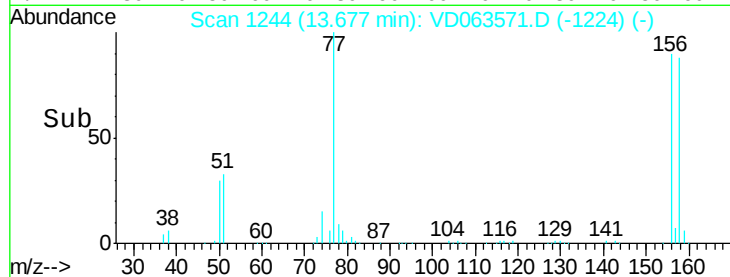
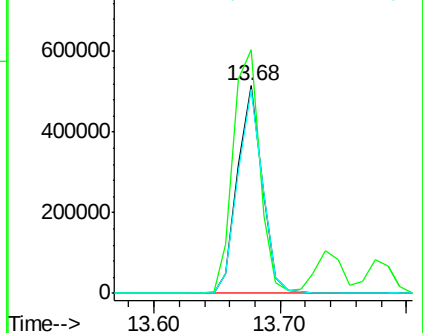
158 98.5 50.9 152.7



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: 52.031 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063571.D

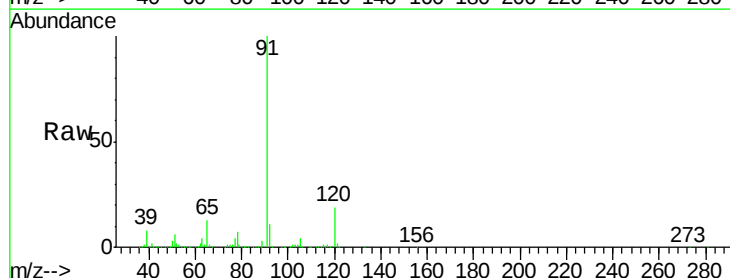
Acq: 14 Aug 2019 13:07

Tgt Ion: 91 Resp: 2921326

Ion Ratio Lower Upper

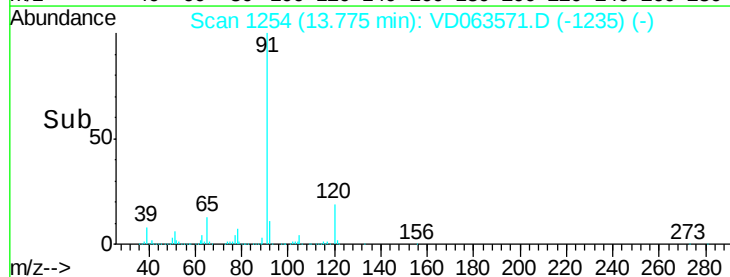
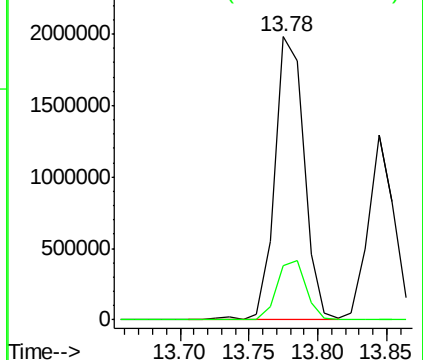
91 100

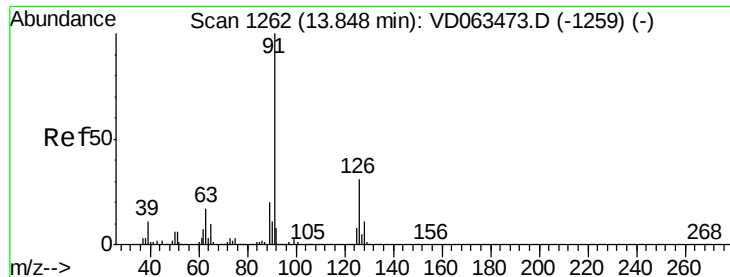
120 19.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.156 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

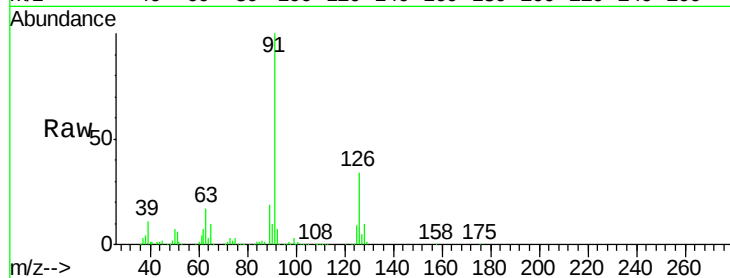
VSTDCCC050

Tot Ion: 91 Resp: 1688434

Ion Ratio Lower Upper

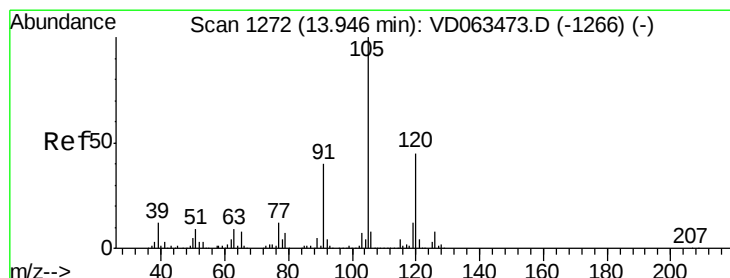
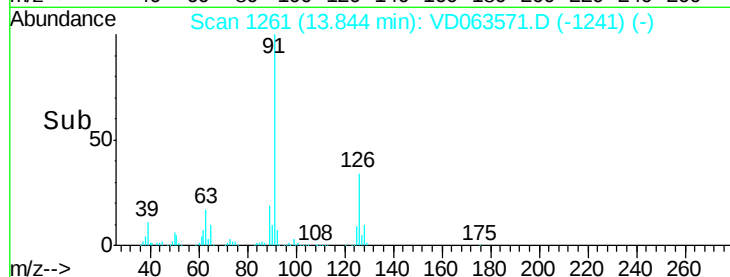
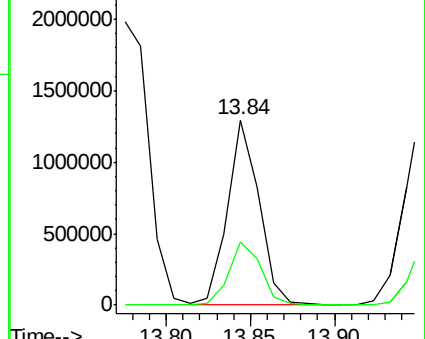
91 100

126 34.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 49.883 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063571.D

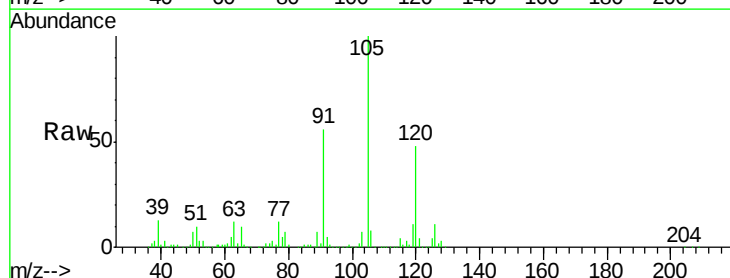
Acq: 14 Aug 2019 13:07

Tgt Ion:105 Resp: 2091462

Ion Ratio Lower Upper

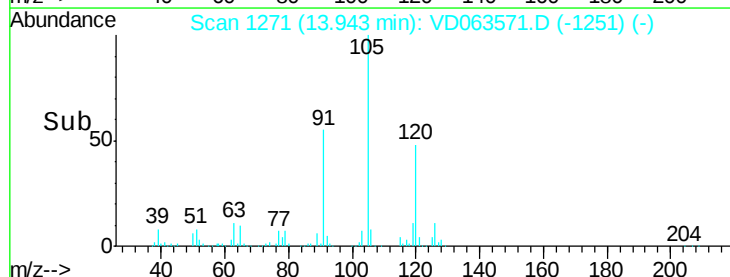
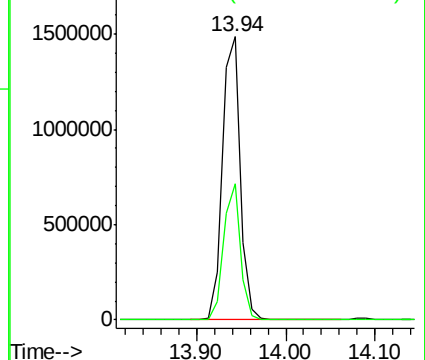
105 100

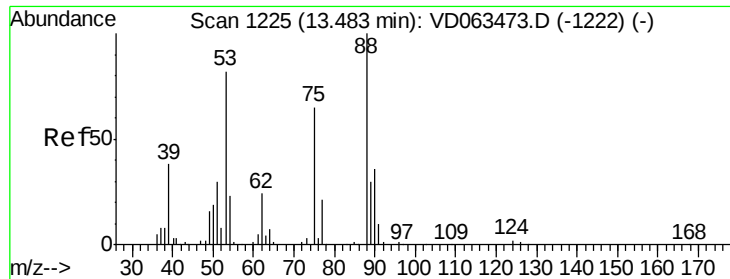
120 48.1 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.135 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

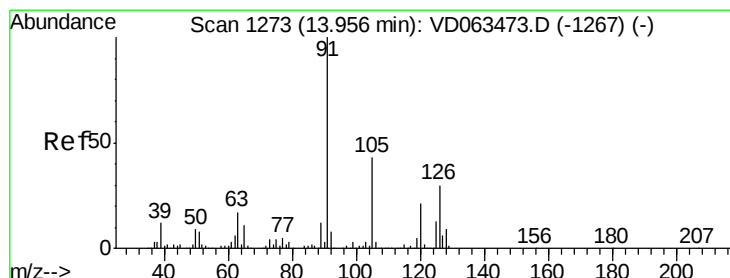
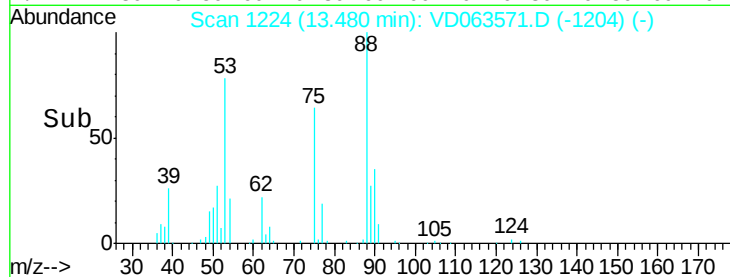
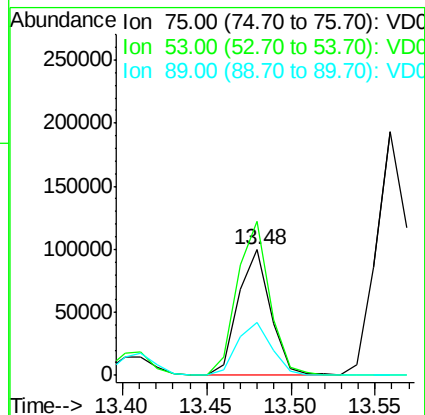
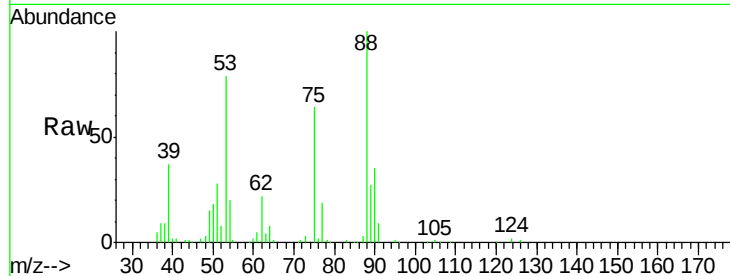
Tot Ion: 75 Resp: 132963

Ion Ratio Lower Upper

75 100

53 122.7 101.0 151.4

89 42.2 37.0 55.6



#82

4-Chlorotoluene

Concen: 50.792 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063571.D

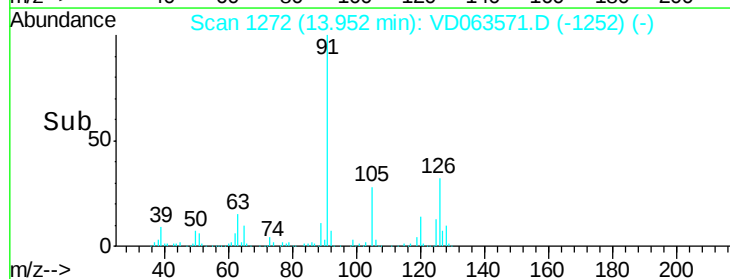
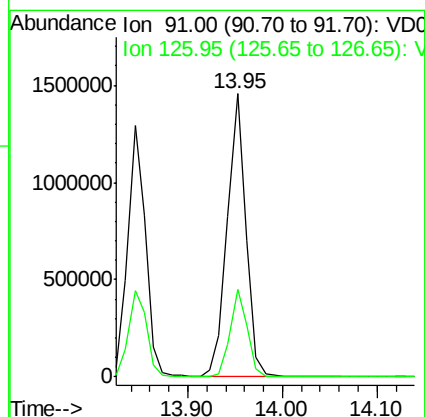
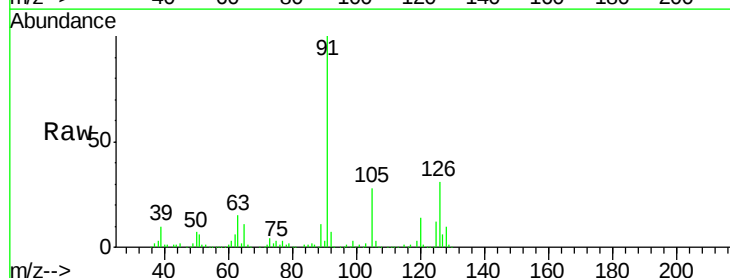
Acq: 14 Aug 2019 13:07

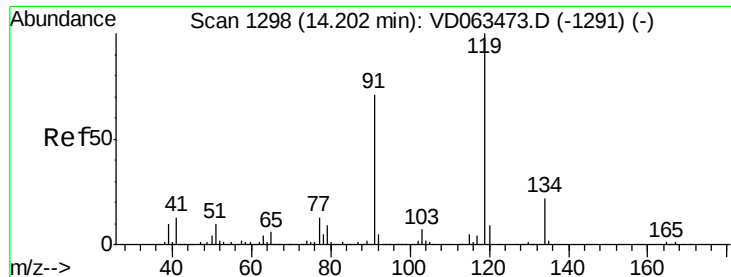
Tgt Ion: 91 Resp: 1977225

Ion Ratio Lower Upper

91 100

126 30.9 15.2 45.6

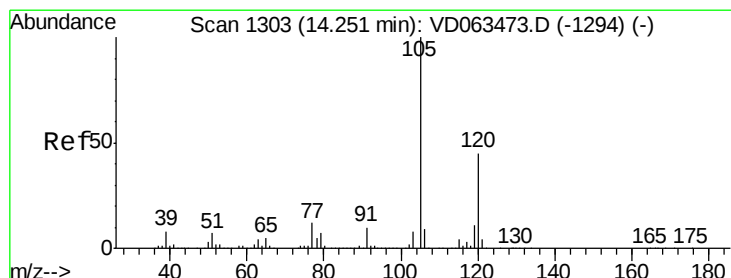
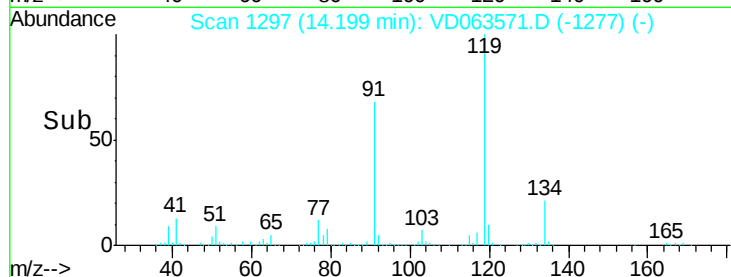
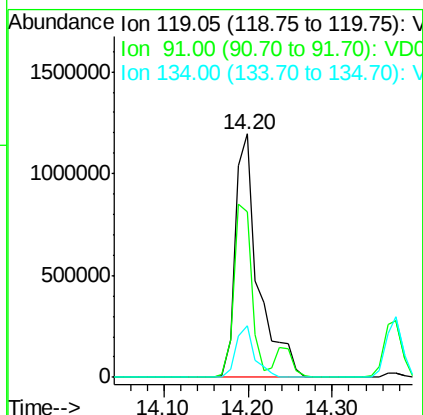
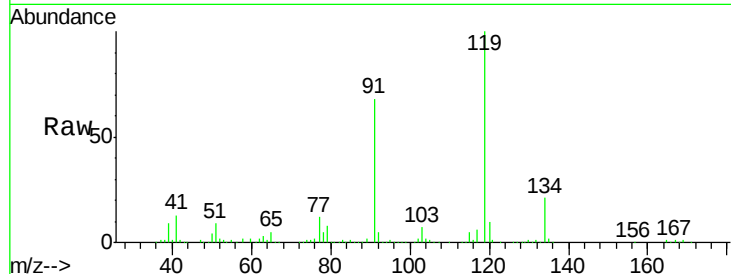




#83
 tert-Butylbenzene
 Concen: 51.253 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

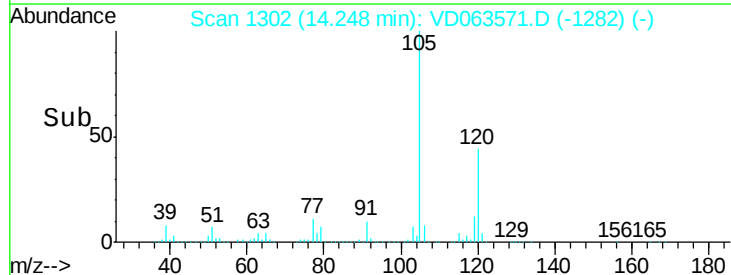
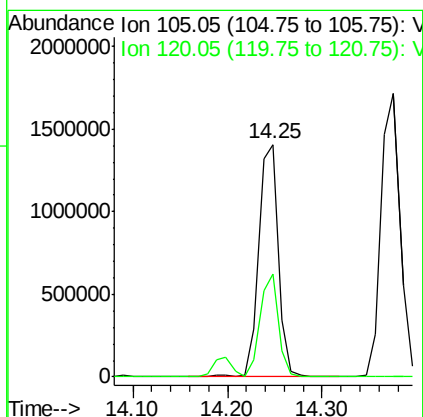
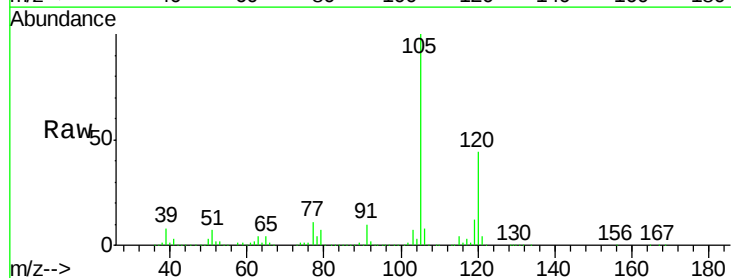
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

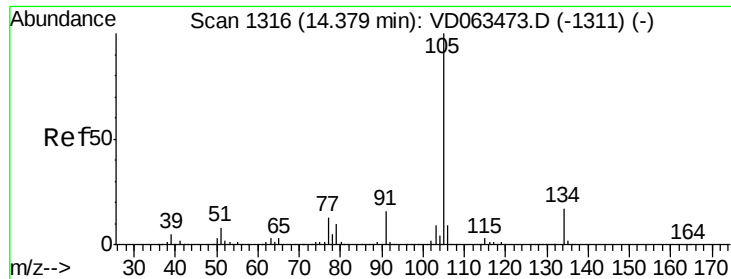
Tot Ion:119 Resp: 2262901
 Ion Ratio Lower Upper
 119 100
 91 68.0 35.5 106.7
 134 21.1 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.549 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion:105 Resp: 2038575
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 51.414 ug/l

RT: 14.38 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

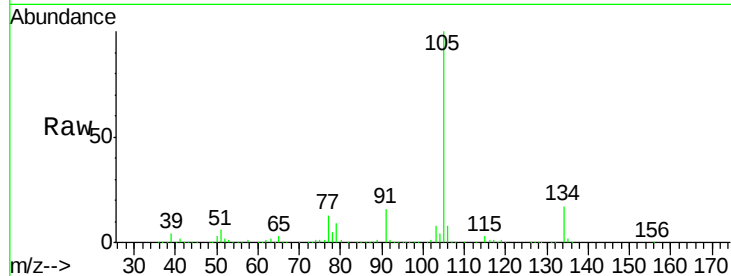
VSTDCCC050

Tot Ion:105 Resp: 2410663

Ion Ratio Lower Upper

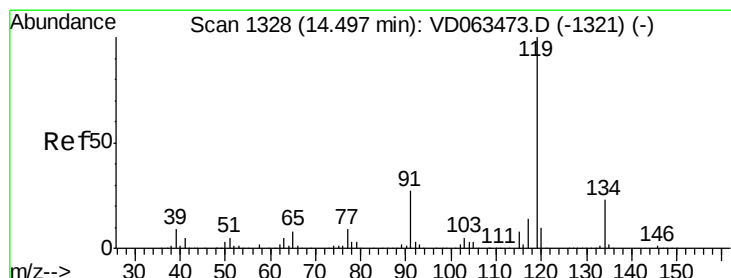
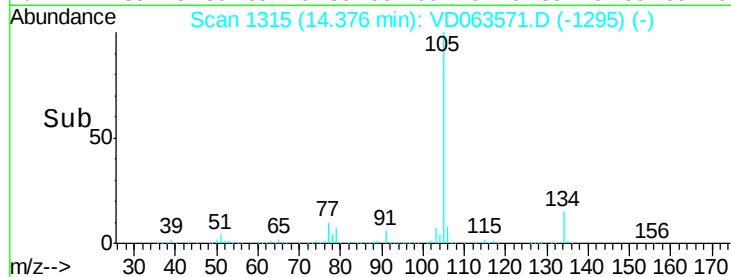
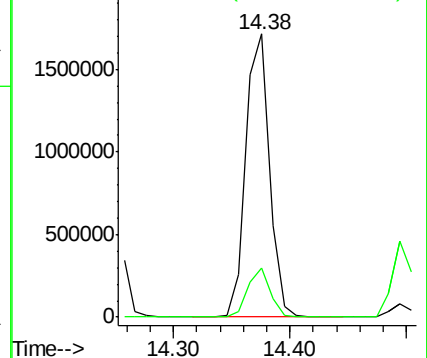
105 100

134 17.2 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.681 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

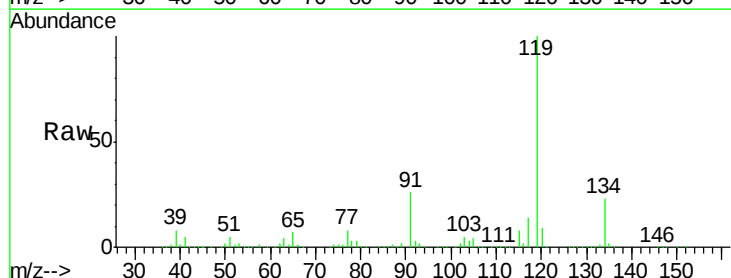
Tgt Ion:119 Resp: 2406624

Ion Ratio Lower Upper

119 100

134 22.7 11.3 33.8

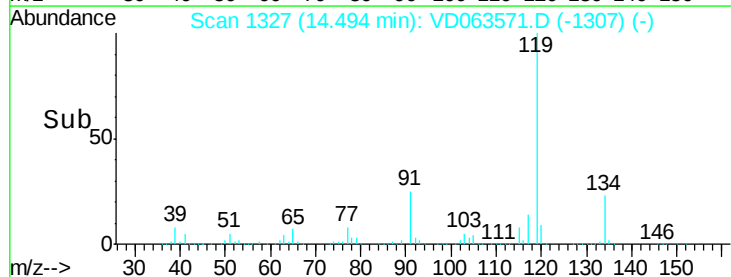
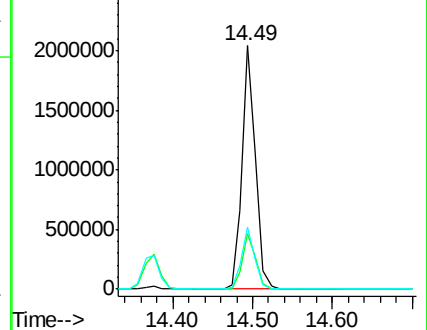
91 25.6 13.5 40.4

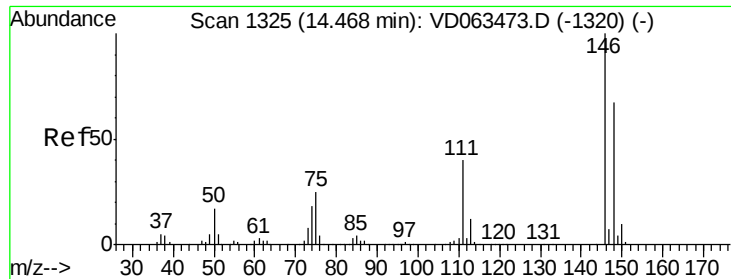


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

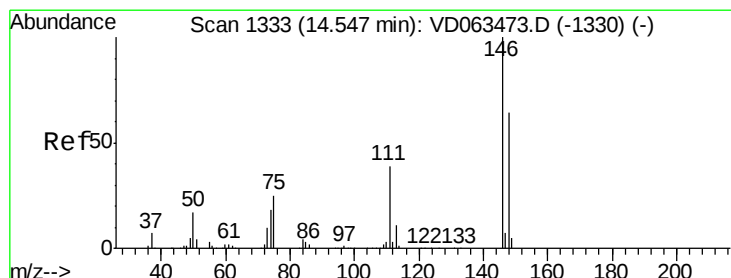
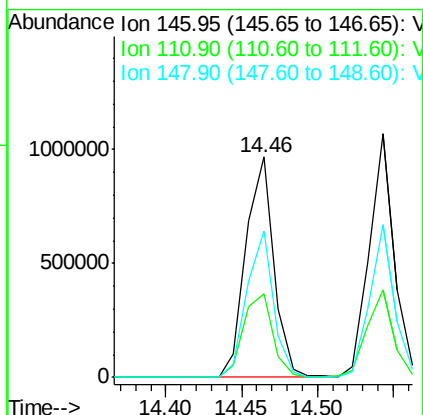
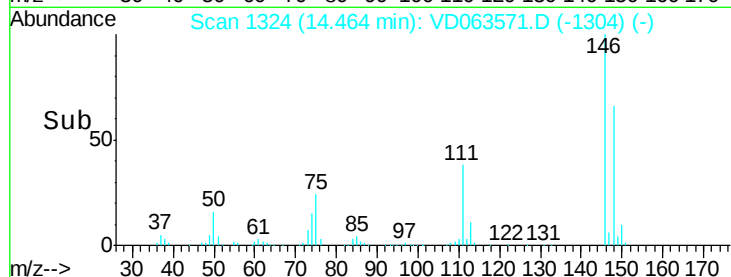
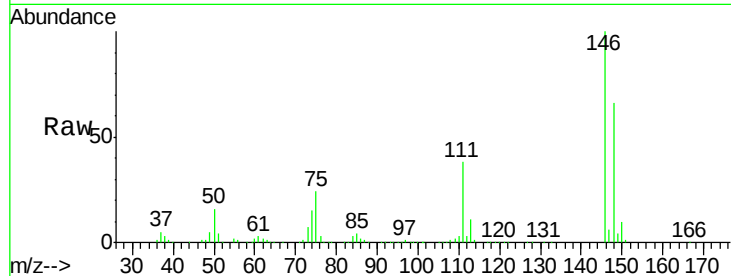




#87
 1,3-Dichlorobenzene
 Concen: 52.603 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

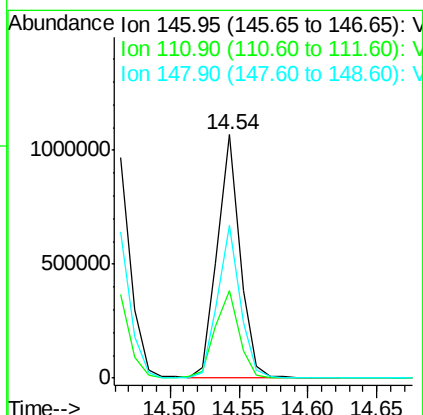
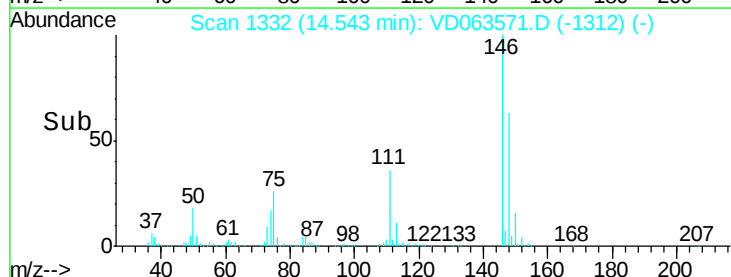
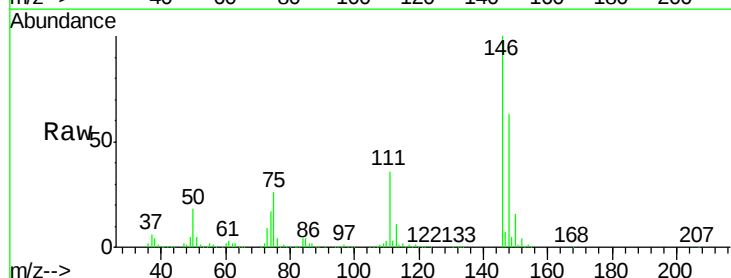
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

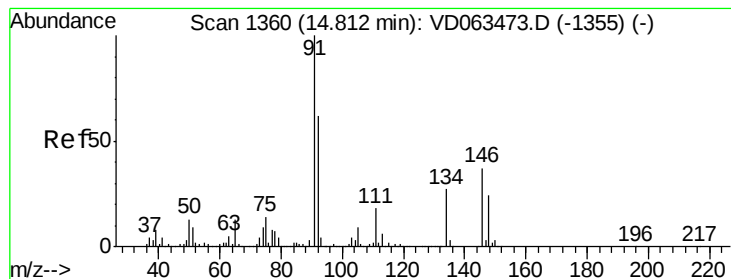
Tot Ion:146 Resp: 1247858
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.0 60.0
 148 66.2 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 53.498 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion:146 Resp: 1217592
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.7 59.0
 148 63.0 32.1 96.3





#89

n-Butylbenzene

Concen: 53.240 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

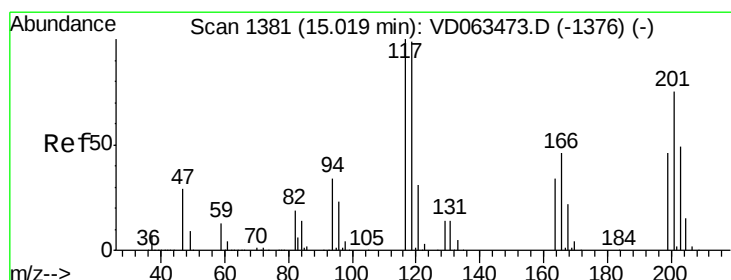
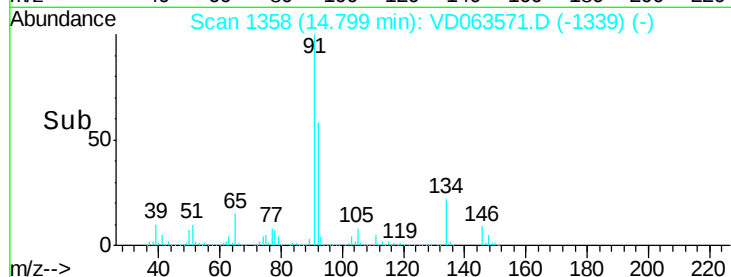
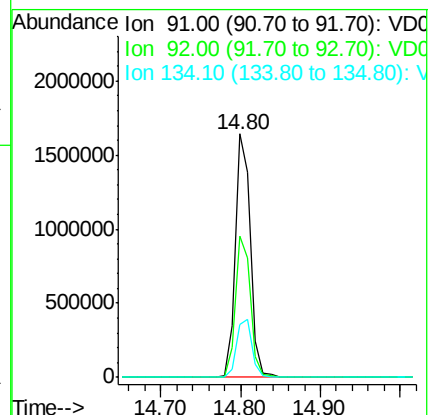
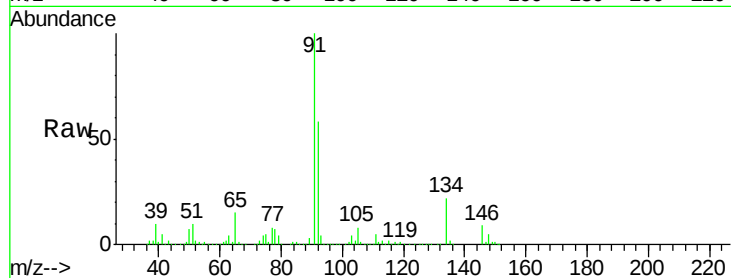
Tot Ion: 91 Resp: 2178411

Ion Ratio Lower Upper

91 100

92 58.1 30.8 92.3

134 21.6 13.4 40.2



#90

Hexachloroethane

Concen: 55.887 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063571.D

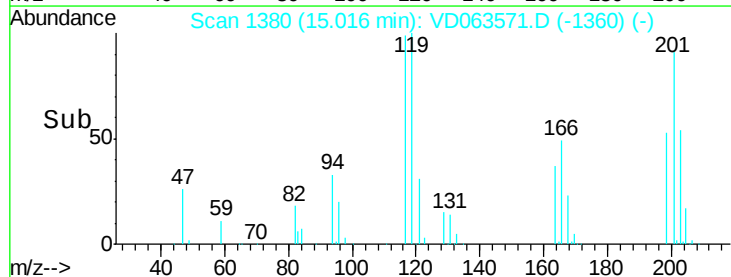
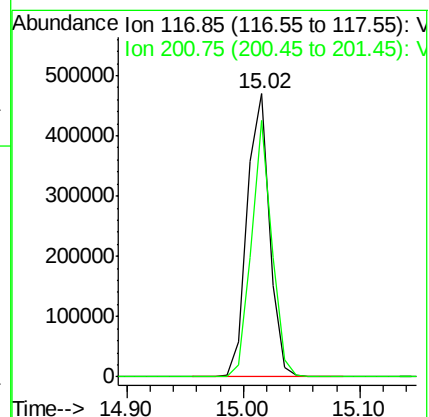
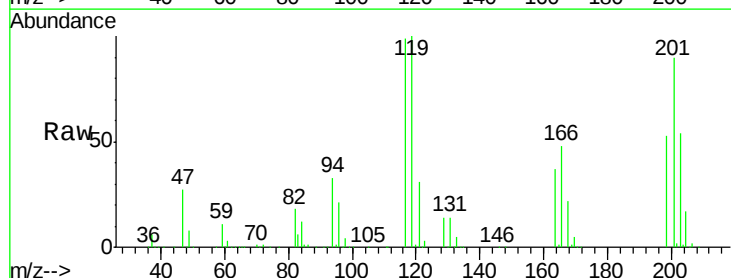
Acq: 14 Aug 2019 13:07

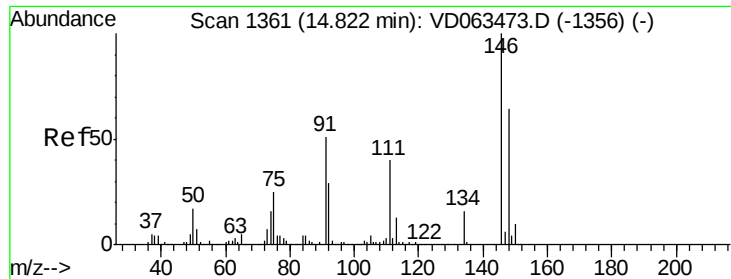
Tgt Ion: 117 Resp: 629753

Ion Ratio Lower Upper

117 100

201 90.8 37.5 112.5

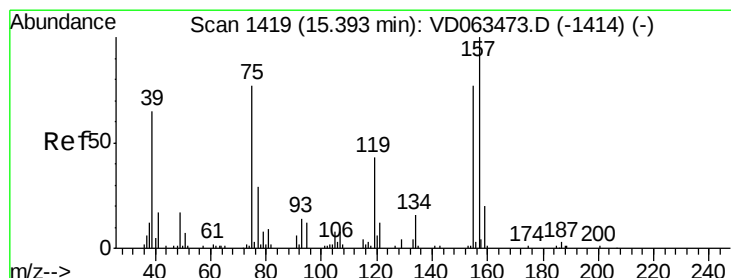
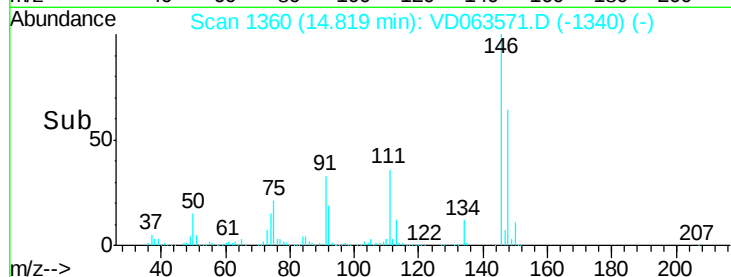
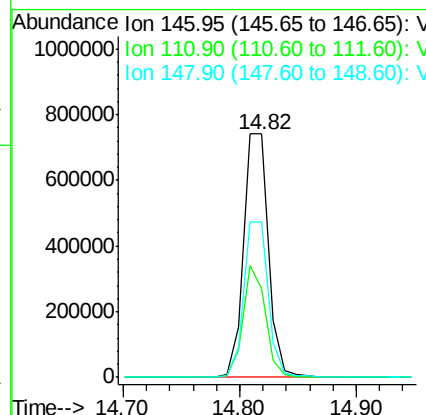
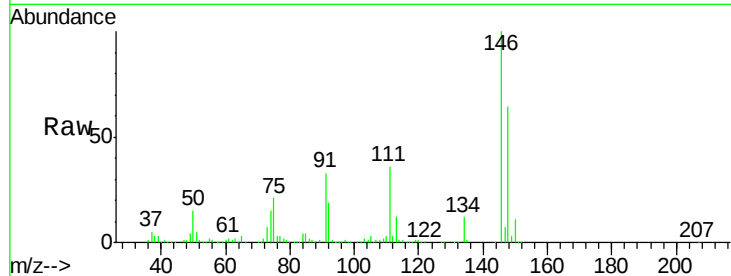




#91
 1,2-Dichlorobenzene
 Concen: 54.267 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

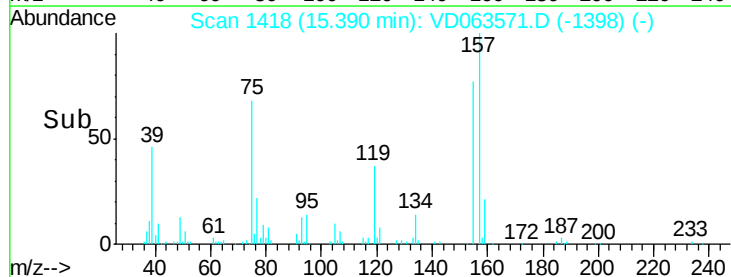
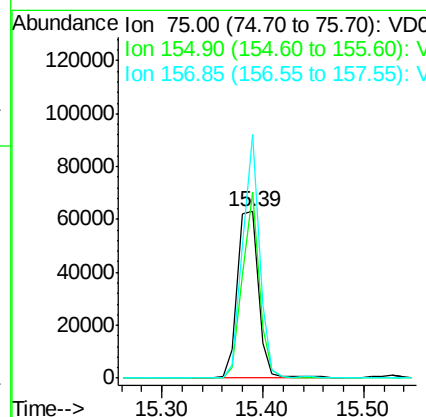
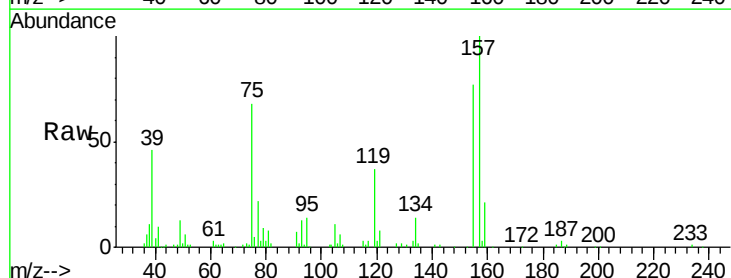
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

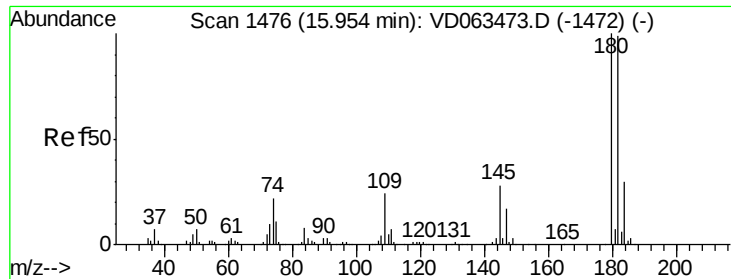
Tot Ion:146 Resp: 1092208
 Ion Ratio Lower Upper
 146 100
 111 36.3 20.2 60.6
 148 63.8 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.949 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion: 75 Resp: 91407
 Ion Ratio Lower Upper
 75 100
 155 111.8 50.1 150.3
 157 146.2 65.0 195.1

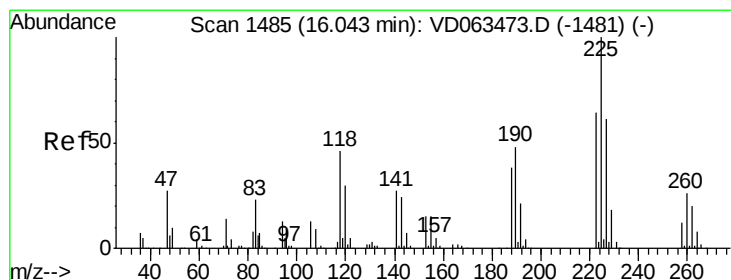
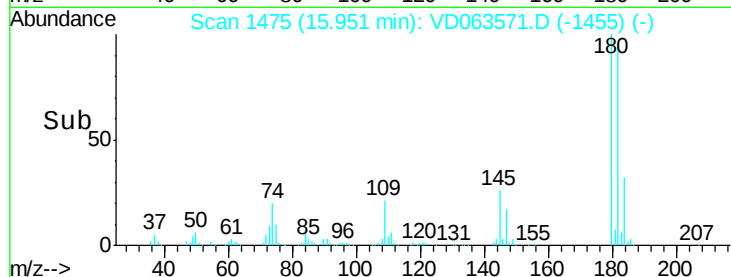
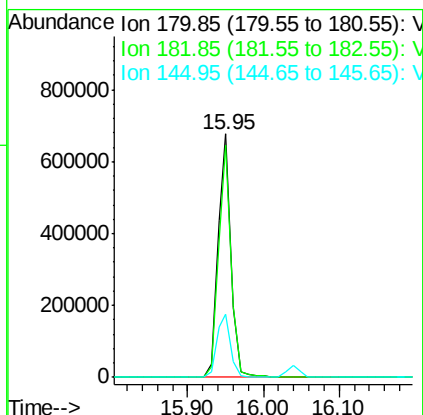
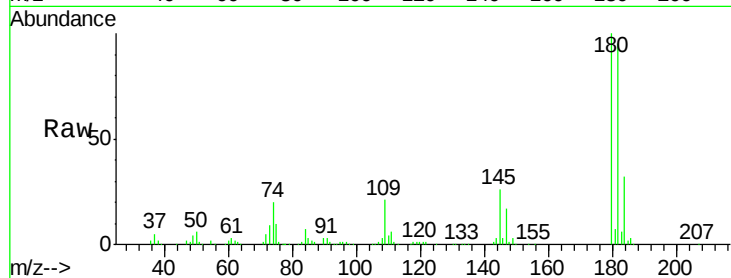




#93
 1,2,4-Trichlorobenzene
 Concen: 55.617 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

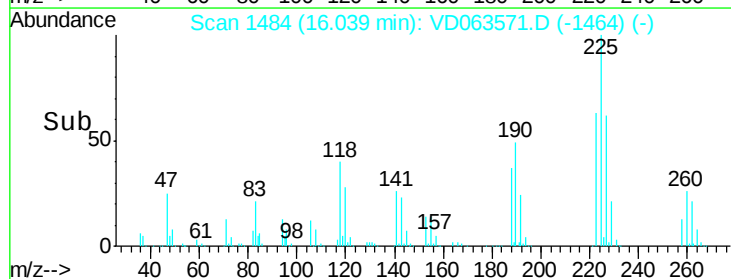
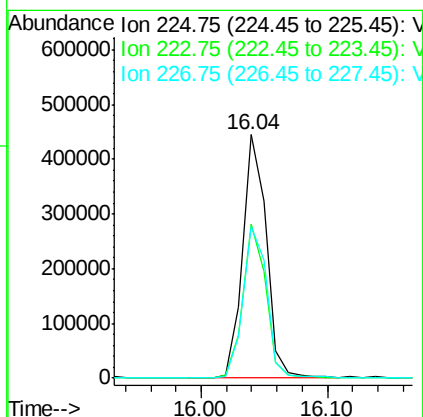
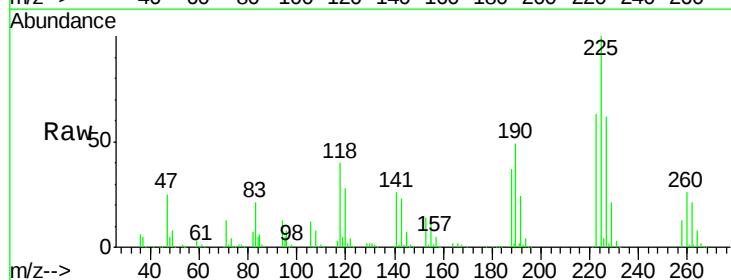
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

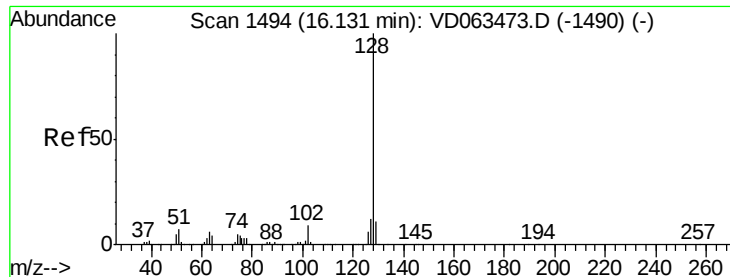
Tot Ion:180 Resp: 823670
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.7 149.1
 145 25.8 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 51.204 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Tgt Ion:225 Resp: 577937
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.9 95.5
 227 62.4 30.7 92.1

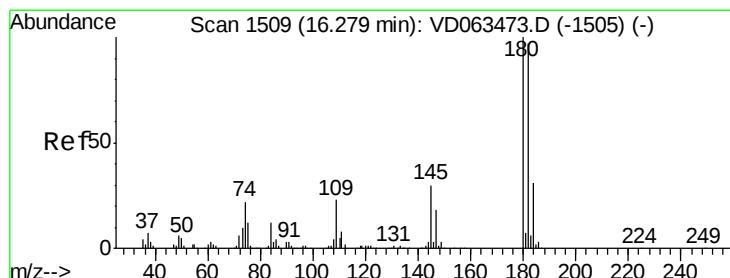
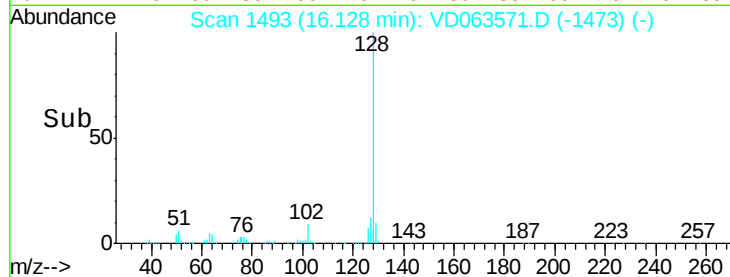
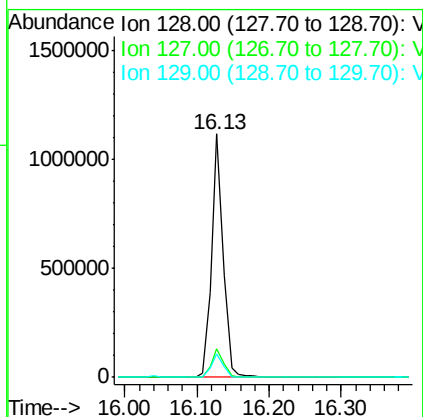
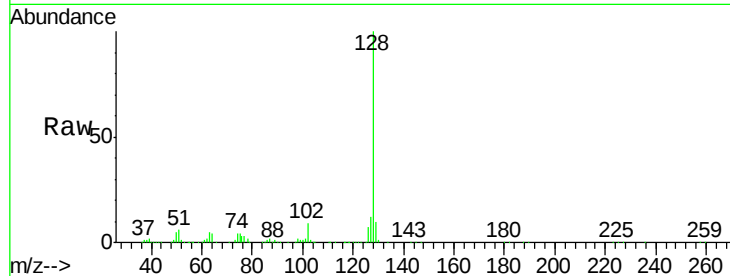




#95
Naphthalene
Concen: 54.992 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1234245
Ion Ratio Lower Upper
128 100
127 11.8 9.4 14.0
129 9.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 55.905 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Tgt Ion:180 Resp: 668720
Ion Ratio Lower Upper
180 100
182 95.6 48.4 145.2
145 27.4 14.9 44.9

