

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 :

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			Recovery	=	83.96%	
35) Dibromofluoromethane	6.93	113	608681	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	
50) Toluene-d8	10.42	98	1420021	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	13.56	95	569999	40.92	ug/l	0.00
Spiked Amount			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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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)
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

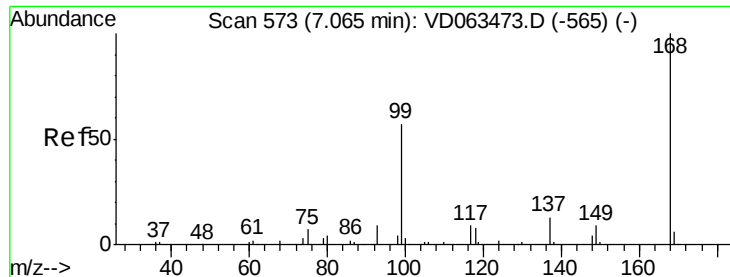
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	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



#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

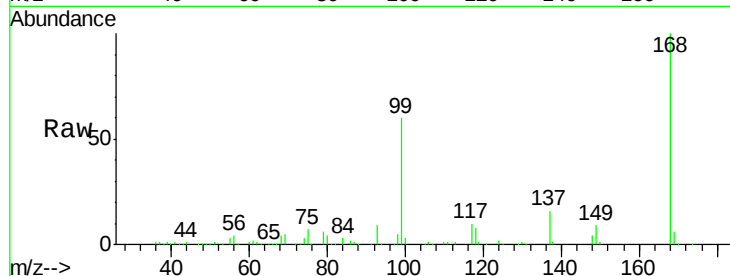
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1210776

Ion Ratio Lower Upper

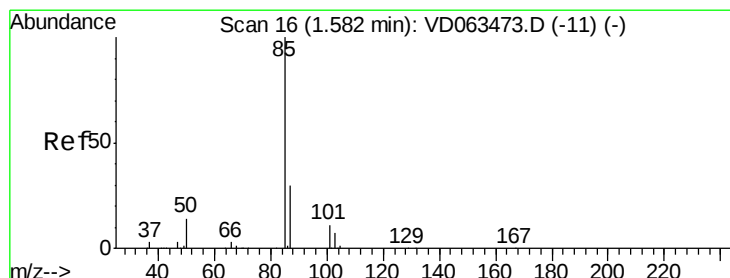
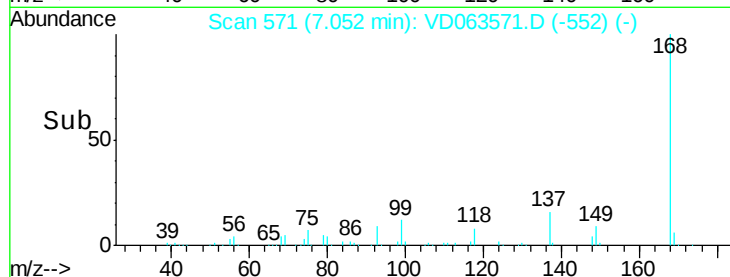
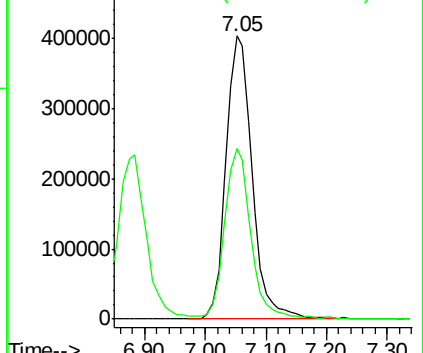
168 100

99 60.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.657 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063571.D

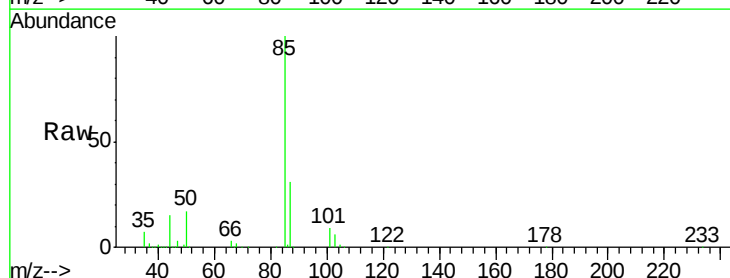
Acq: 14 Aug 2019 13:07

Tgt Ion: 85 Resp: 742033

Ion Ratio Lower Upper

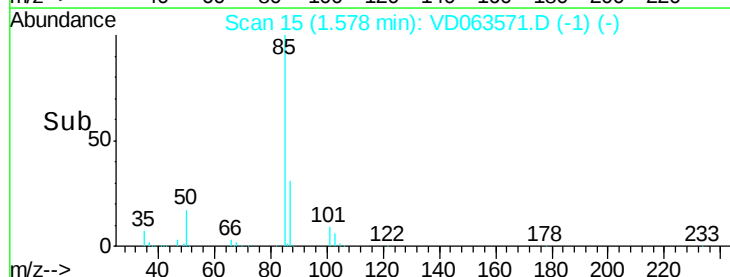
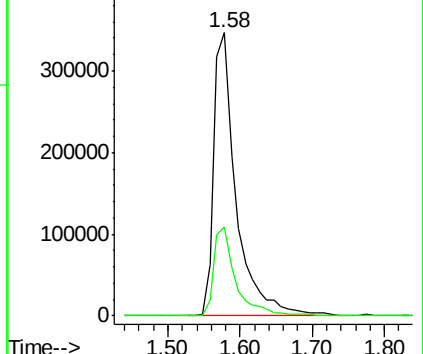
85 100

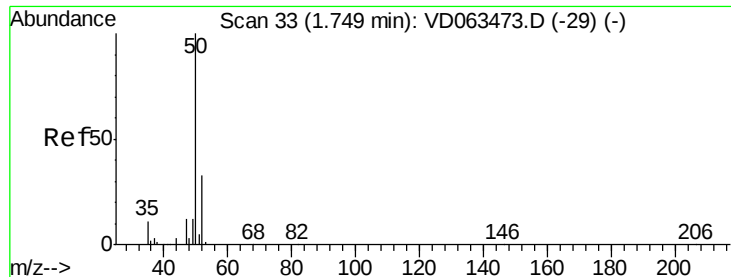
87 31.3 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#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

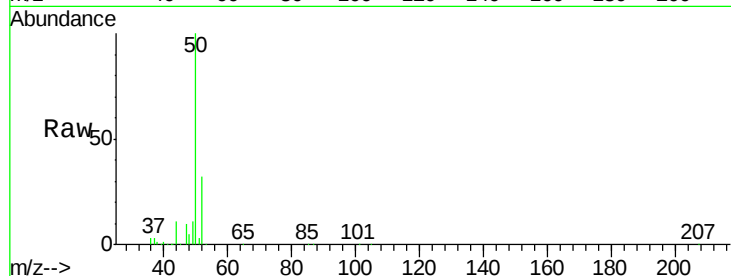
ClientSampleId :

Tot Ion: 50 Resp: 576628

Ion Ratio Lower Upper

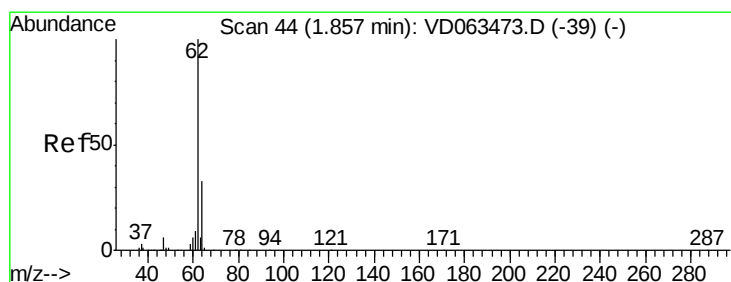
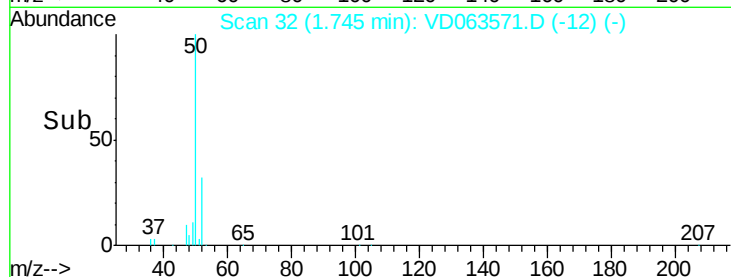
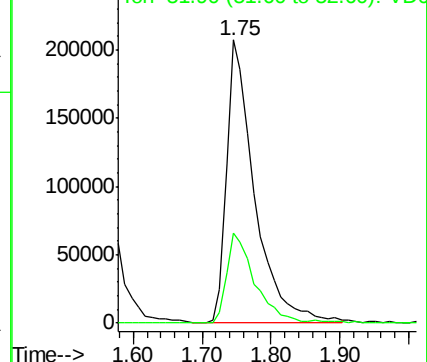
50 100

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

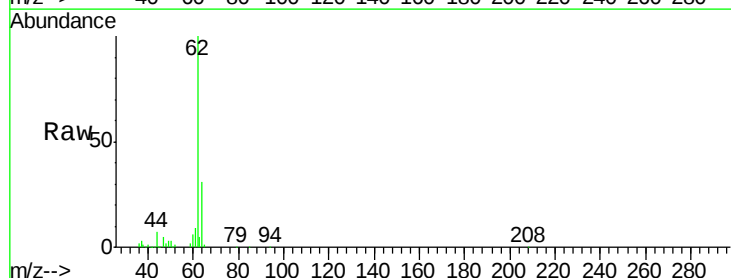
Acq: 14 Aug 2019 13:07

Tgt Ion: 62 Resp: 580766

Ion Ratio Lower Upper

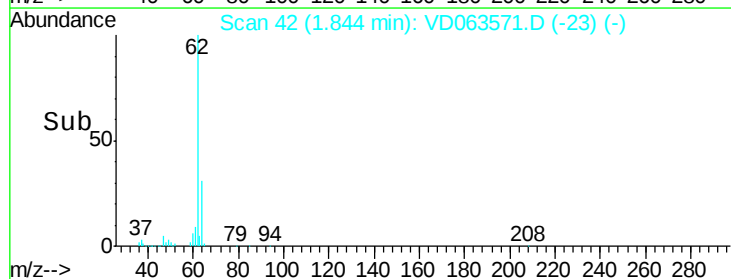
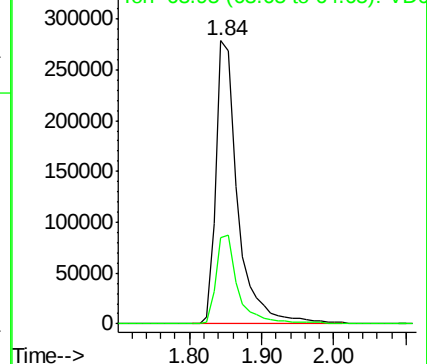
62 100

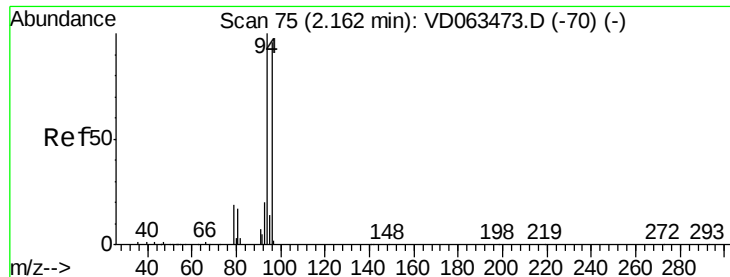
64 30.5 26.4 39.6



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

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

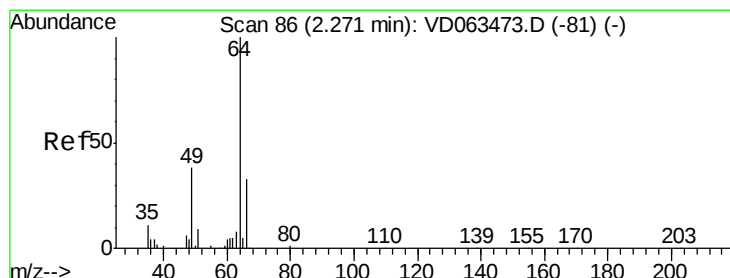
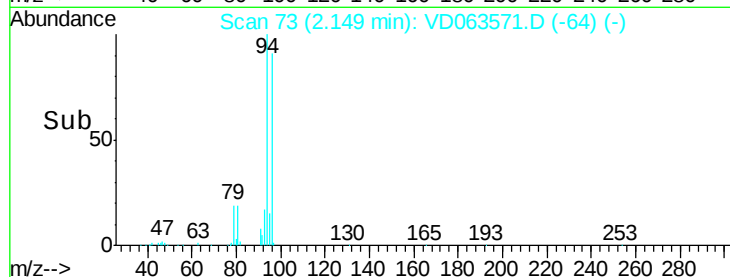
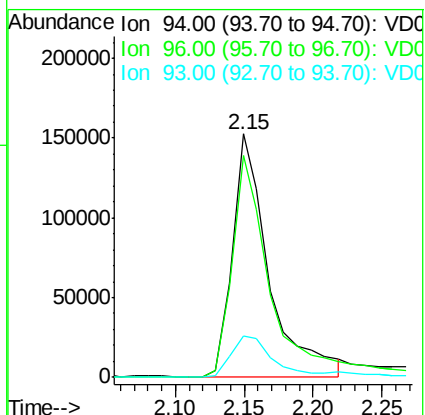
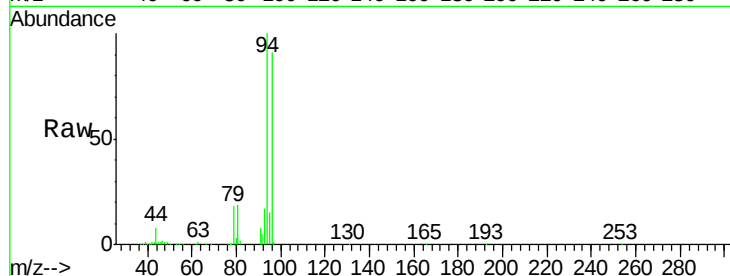
Tot Ion: 94 Resp: 279451

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

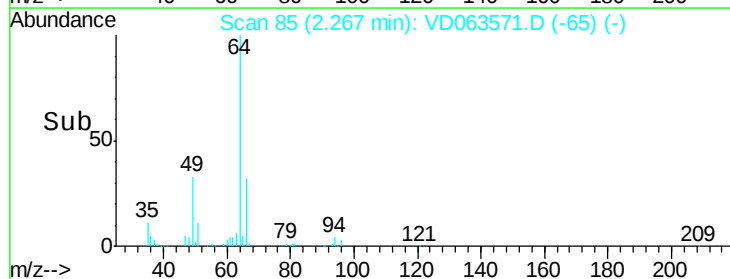
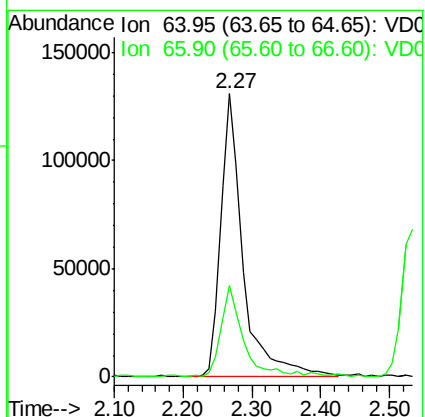
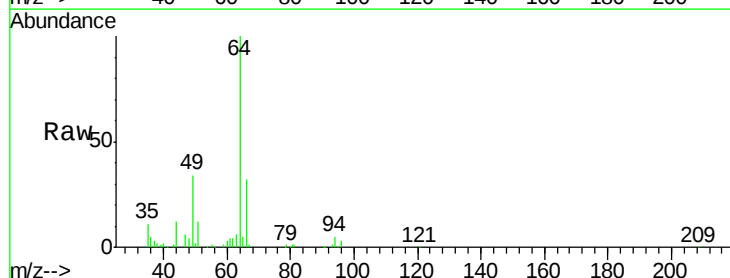
Acq: 14 Aug 2019 13:07

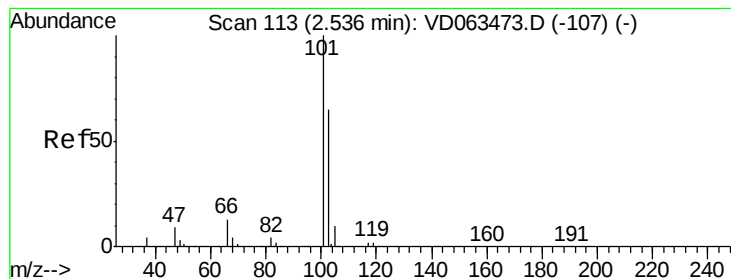
Tgt Ion: 64 Resp: 295129

Ion Ratio Lower Upper

64 100

66 32.3 26.3 39.5



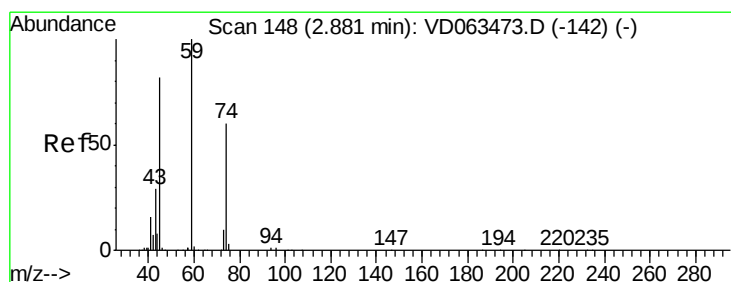
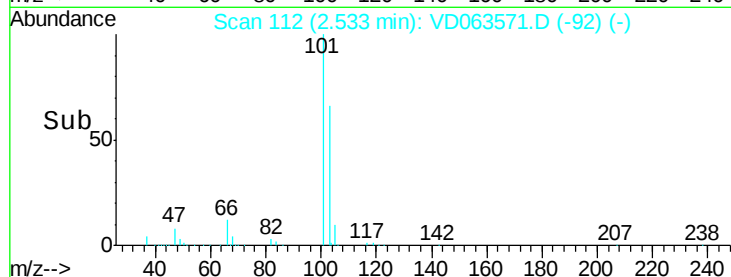
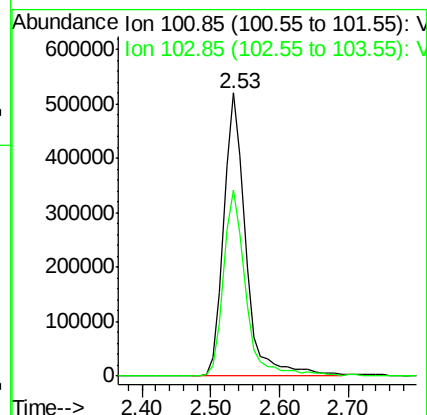
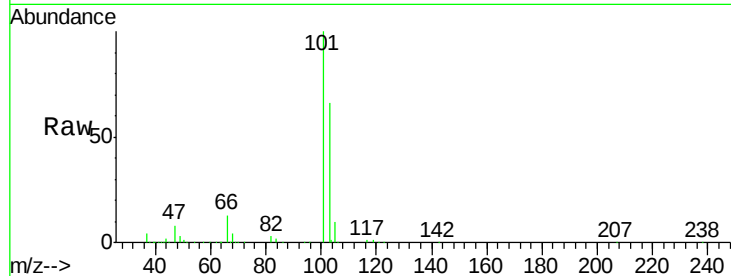


#7

Trichlorofluoromethane
Concen: 51.975 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

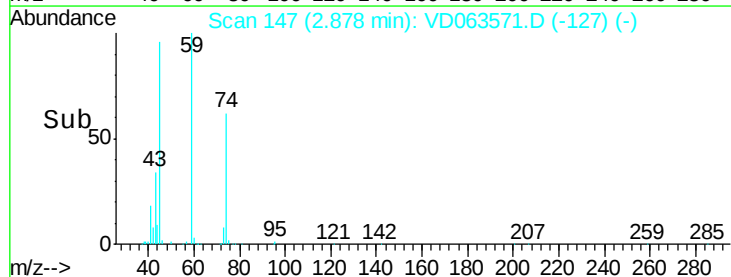
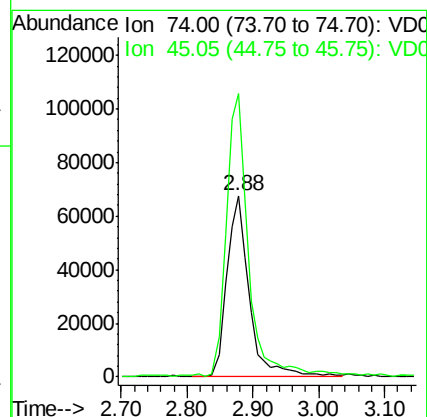
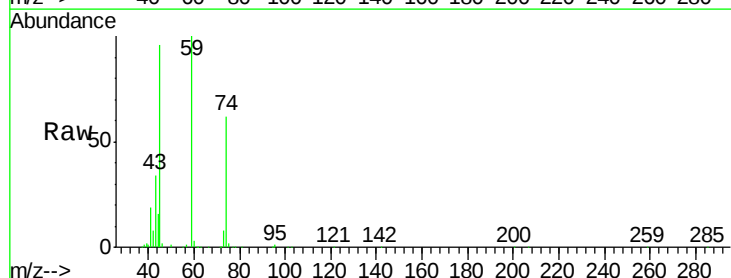
Tot Ion:101 Resp: 1158282
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.4

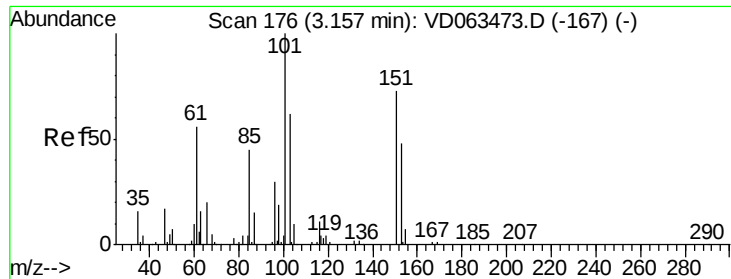


#8

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

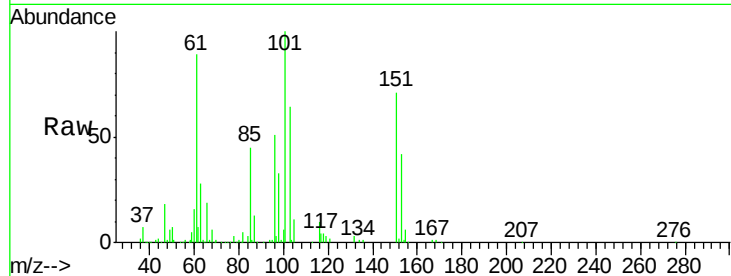
Acq: 14 Aug 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

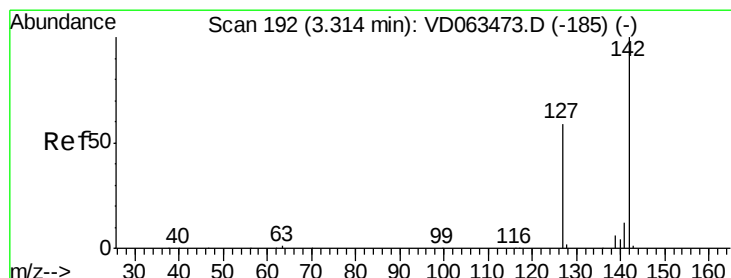
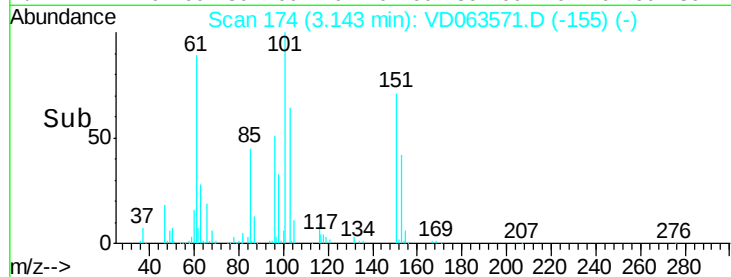
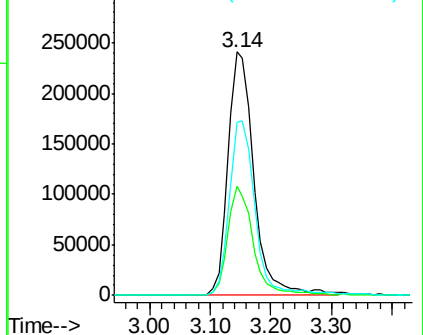
Tot Ion:	101	Resp:	717847
Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.8	53.6
151	71.2	58.6	88.0



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

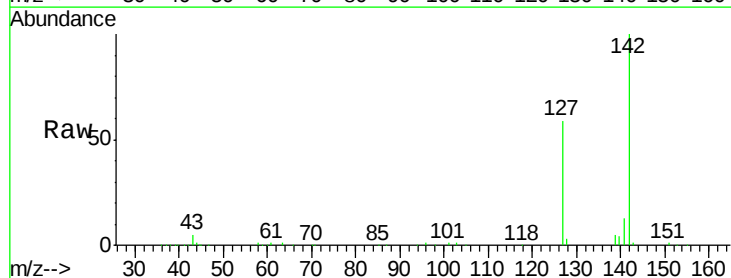
RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063571.D

Acq: 14 Aug 2019 13:07

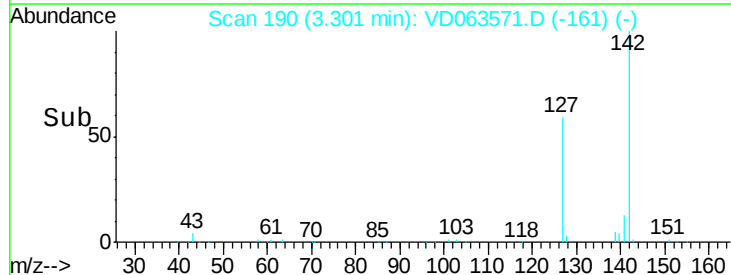
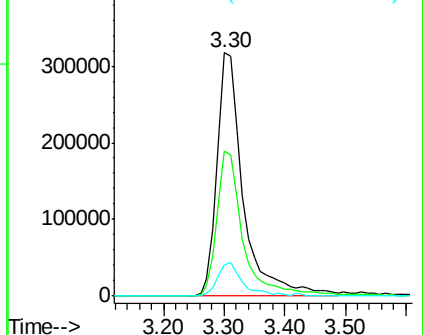
Tgt Ion:	142	Resp:	961610
Ion	Ratio	Lower	Upper
142	100		
127	59.4	47.2	70.8
141	12.9	9.8	14.8

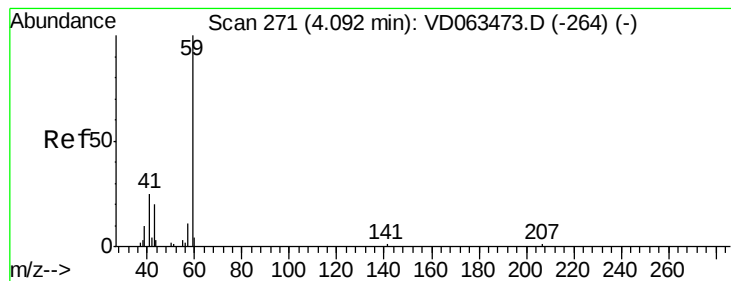


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



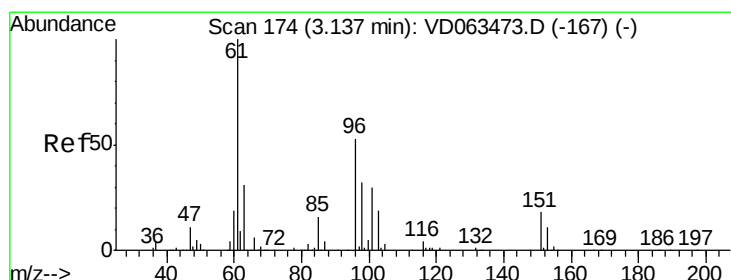
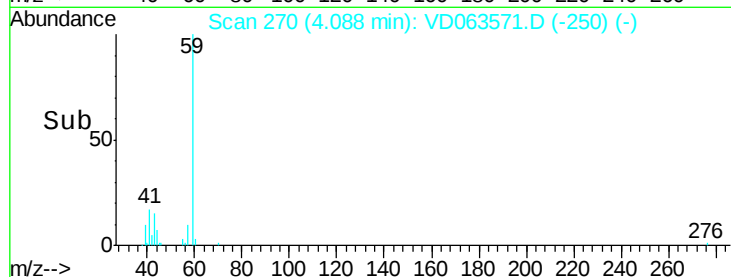
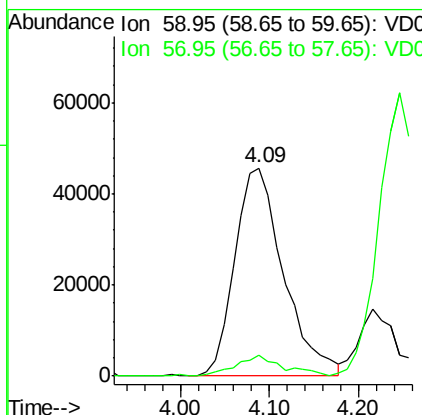
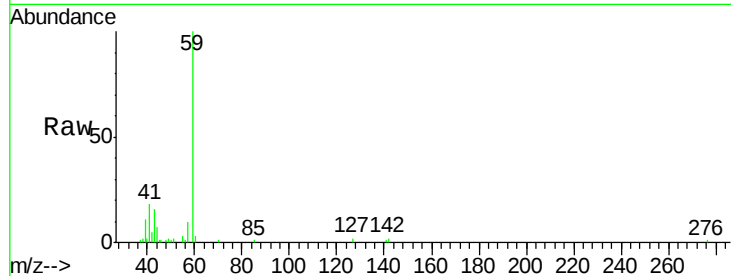


#11

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 :

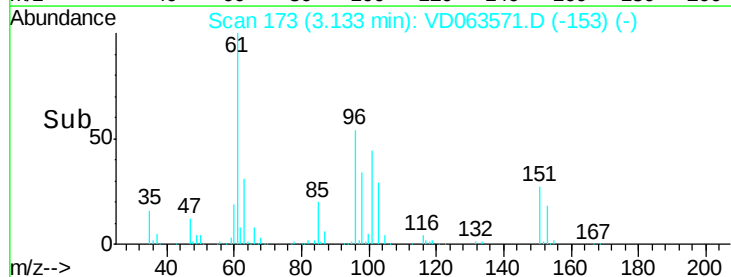
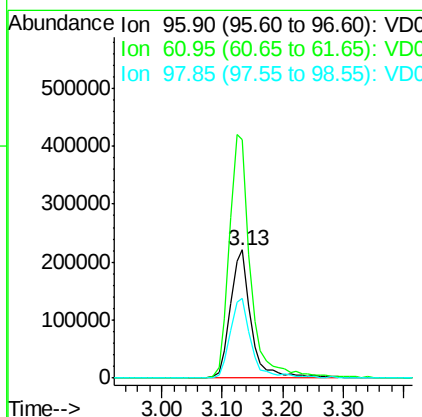
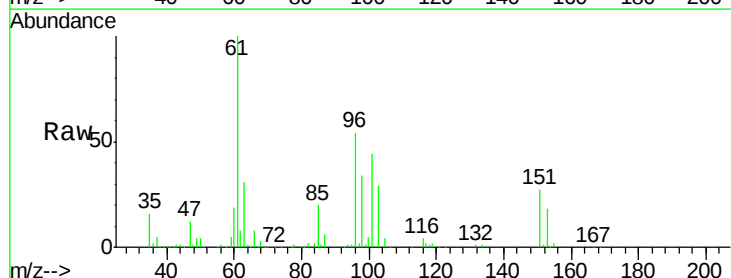
Tot Ion: 59 Resp: 173696
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.7 13.1

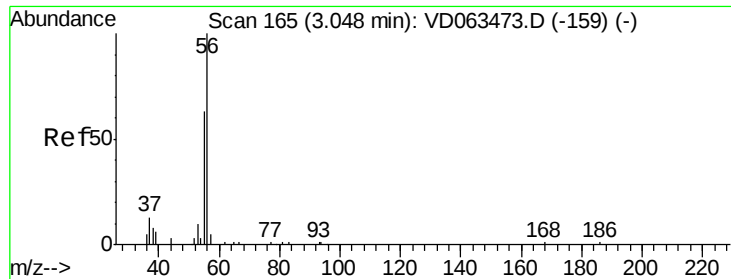


#12

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

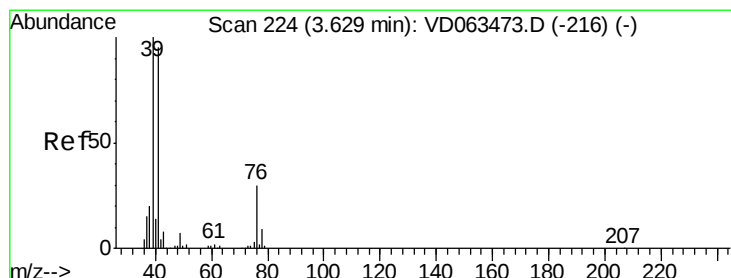
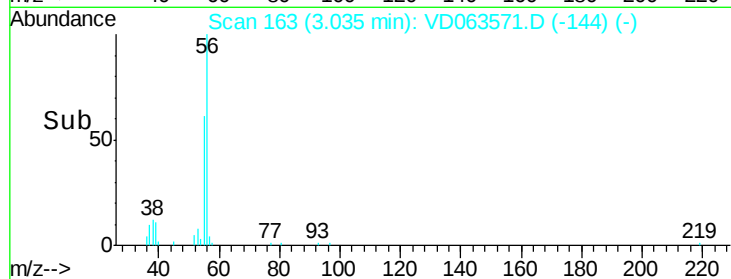
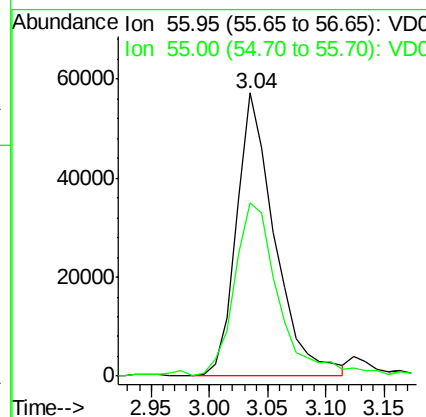
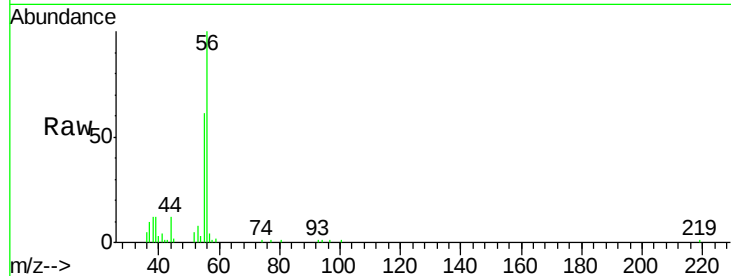




#13
Acrolein
Concen: 234.685 ug/l
RT: 3.04 min Scan# 163
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

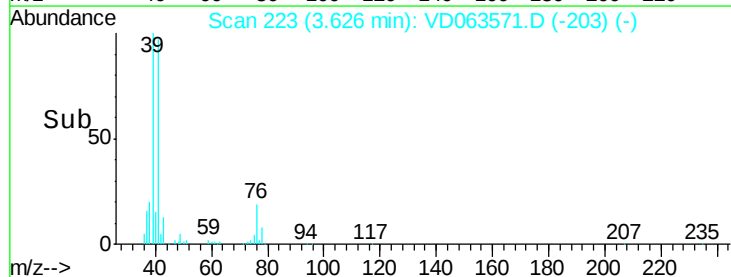
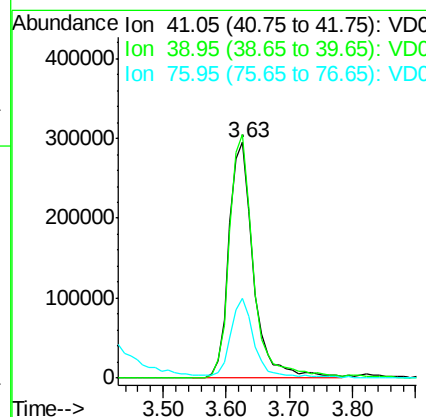
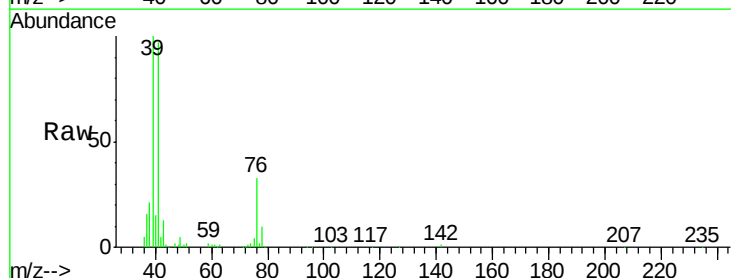
Instrument :
MSVOA_D
ClientSampleId :

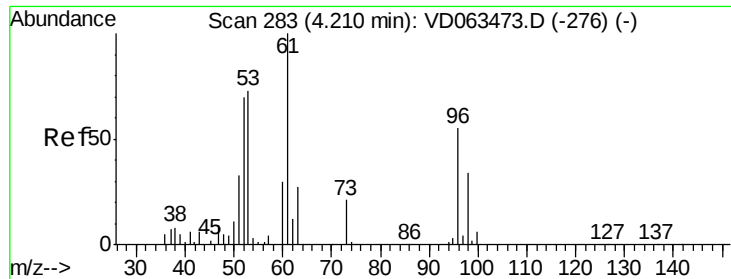
Tot Ion: 56 Resp: 130148
Ion Ratio Lower Upper
56 100
55 61.3 51.3 76.9



#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 :

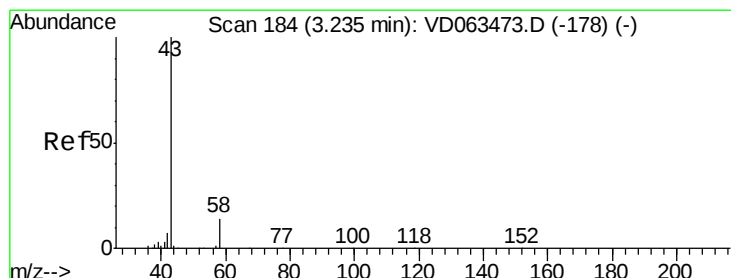
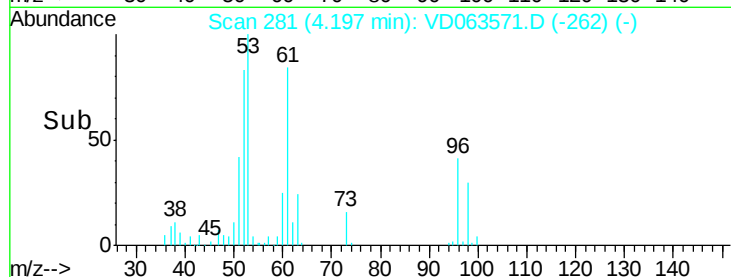
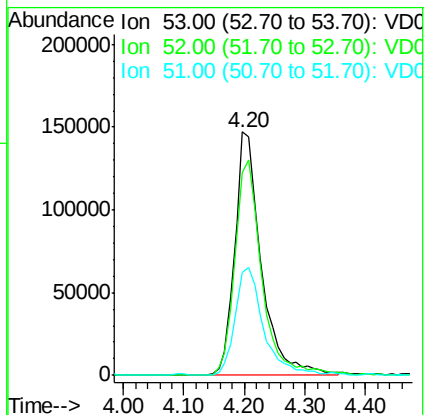
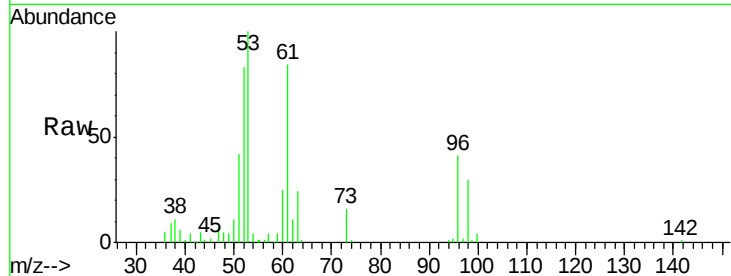
Tot Ion: 53 Resp: 449757

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

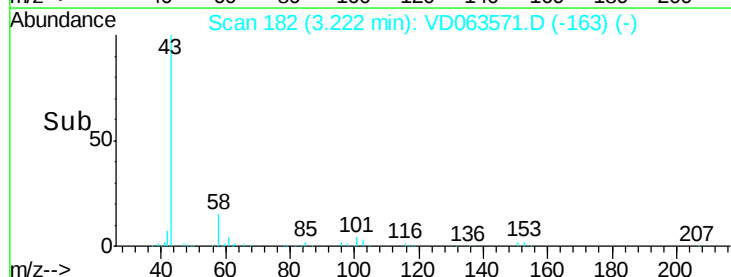
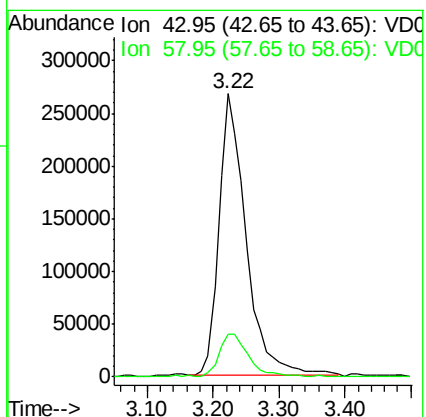
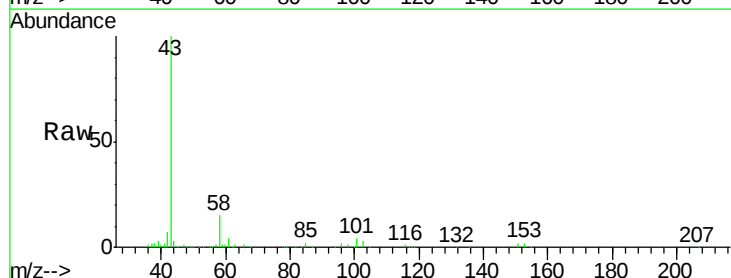
Acq: 14 Aug 2019 13:07

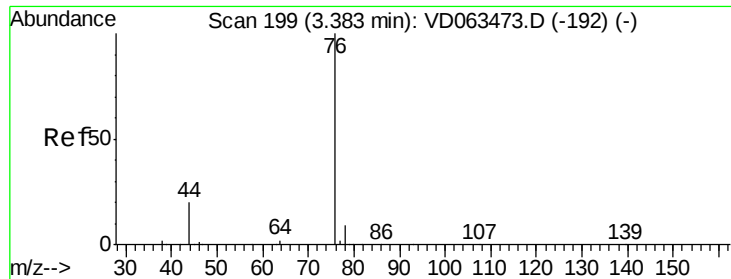
Tgt Ion: 43 Resp: 759892

Ion Ratio Lower Upper

43 100

58 15.2 11.4 17.2

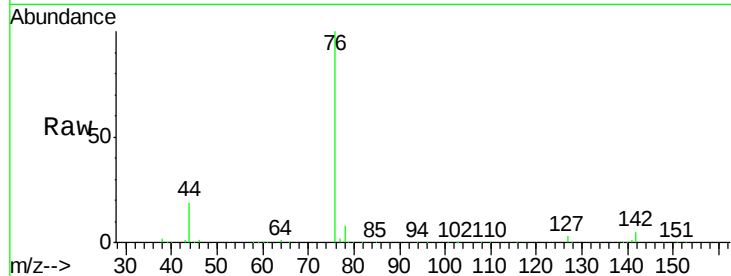




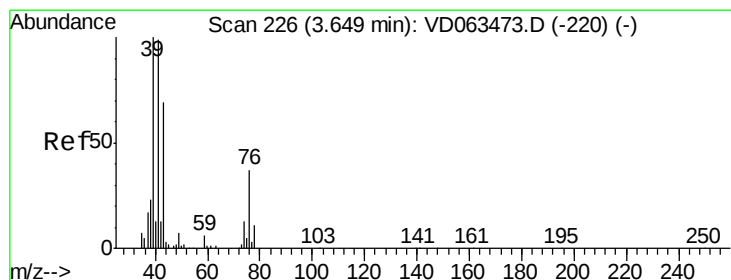
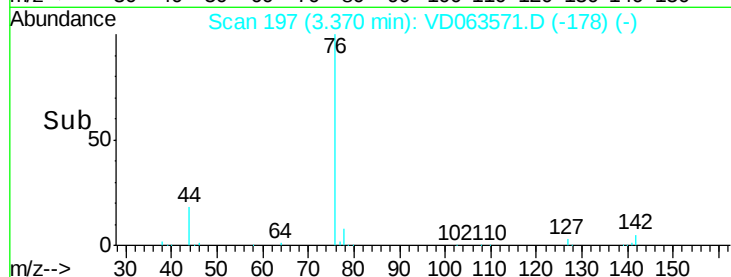
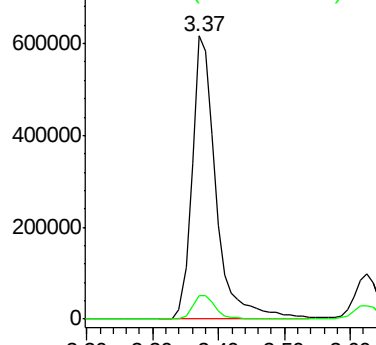
#17
Carbon Disulfide
Concen: 50.428 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 1557089
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0

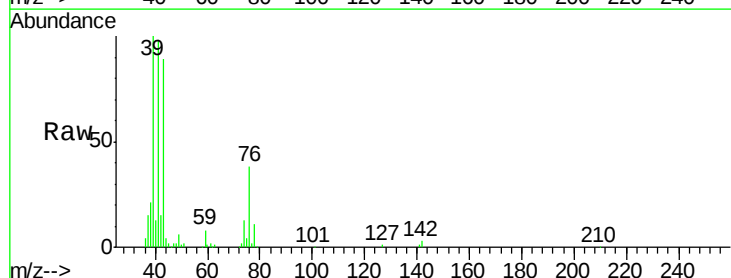


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

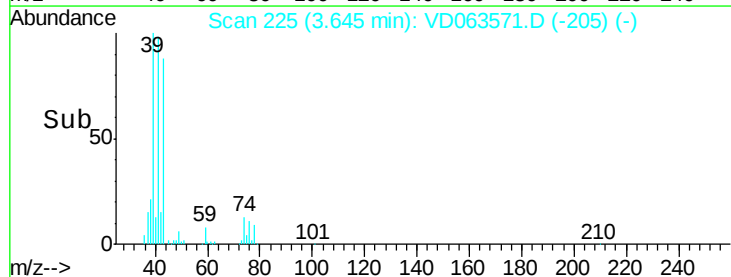
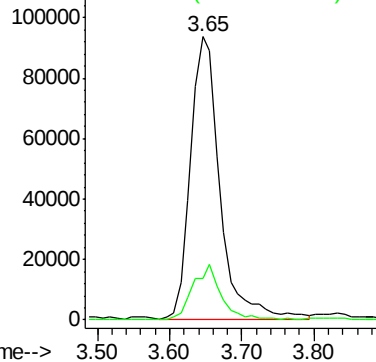


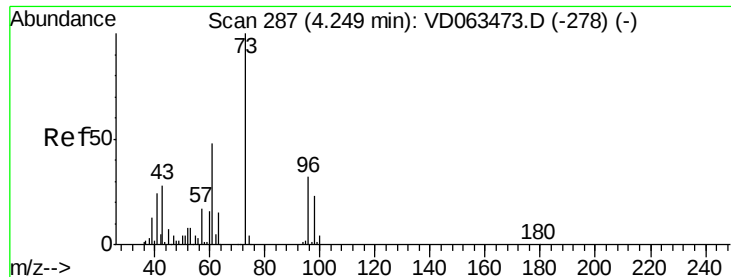
#18
Methyl Acetate
Concen: 52.793 ug/l
RT: 3.65 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

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



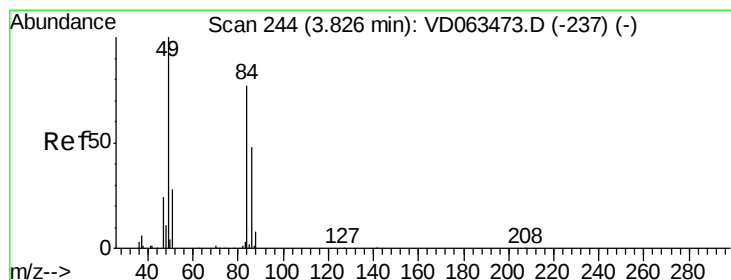
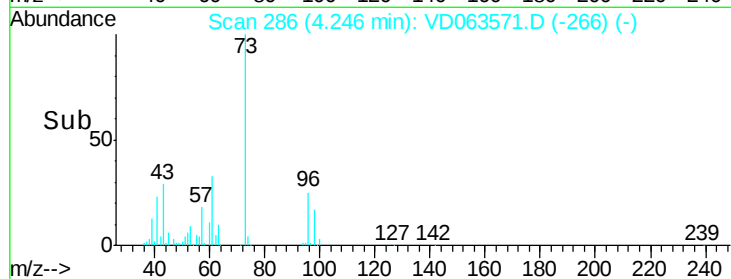
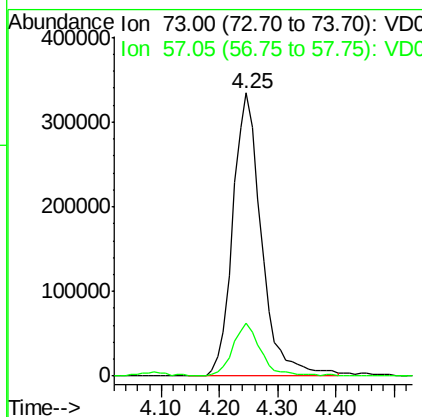
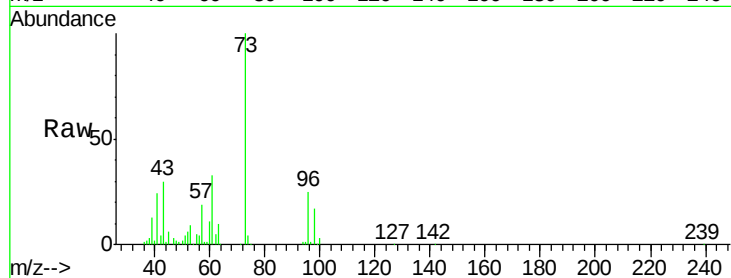


#19

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 :

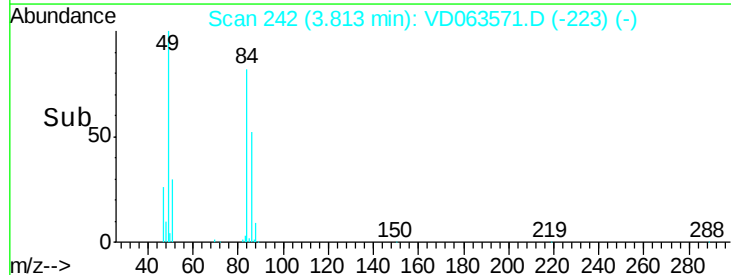
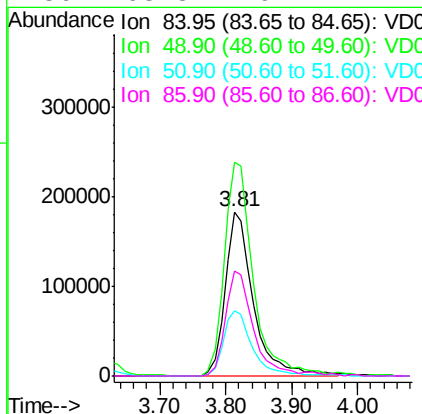
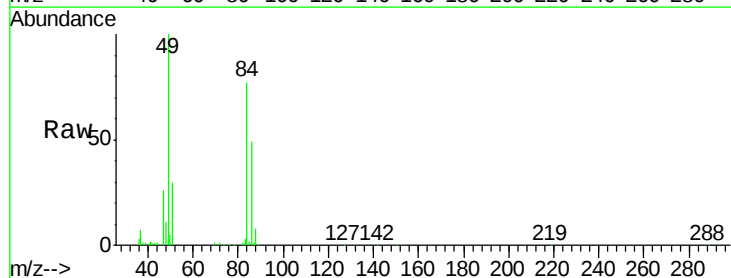
Tot Ion: 73 Resp: 1147422
 Ion Ratio Lower Upper
 73 100
 57 18.6 14.0 21.0

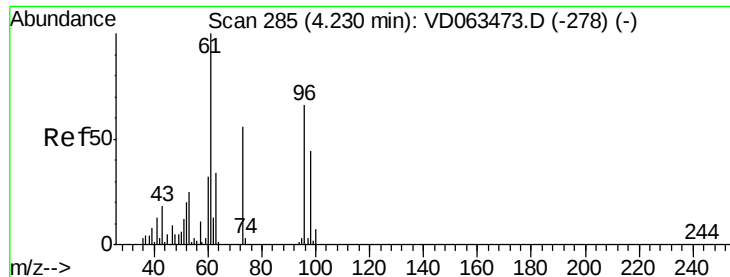


#20

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 :

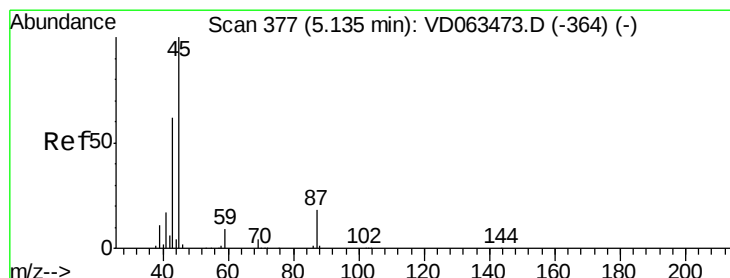
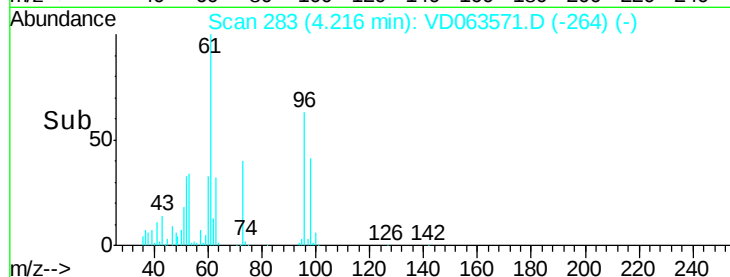
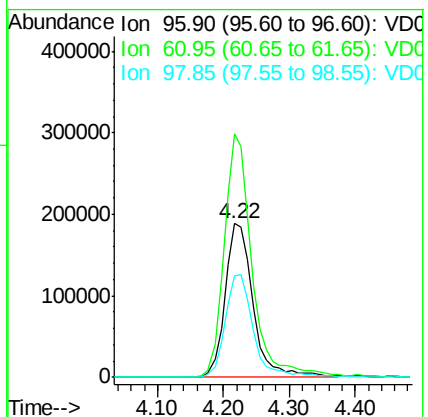
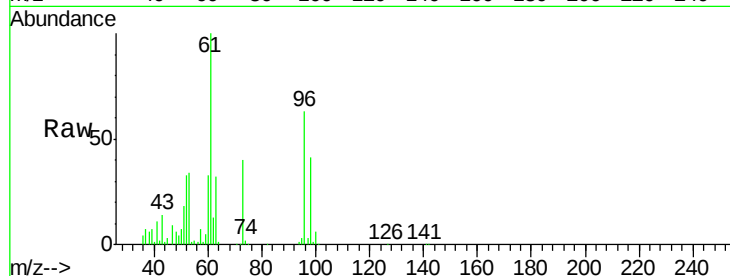
Tot Ion: 96 Resp: 562426

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

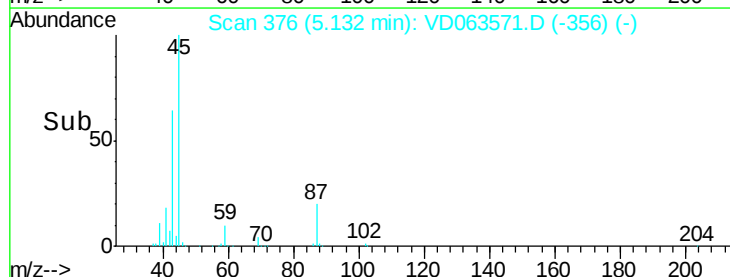
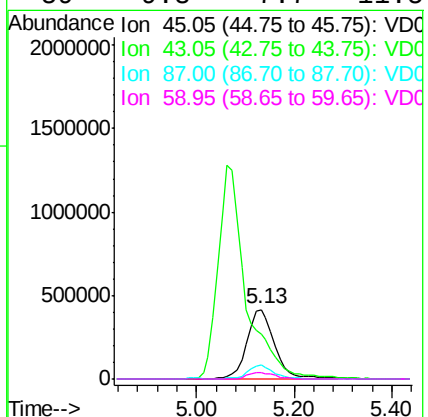
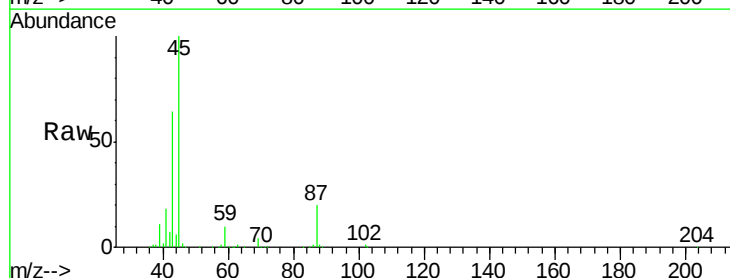
Ion Ratio Lower Upper

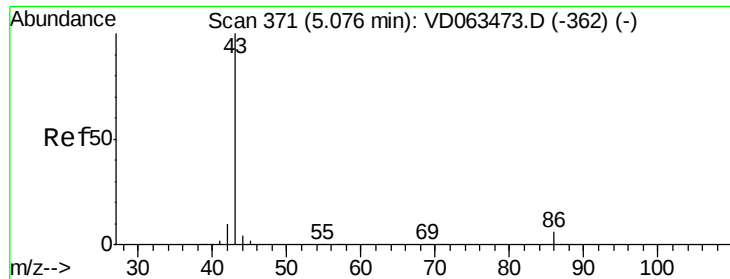
45 100

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

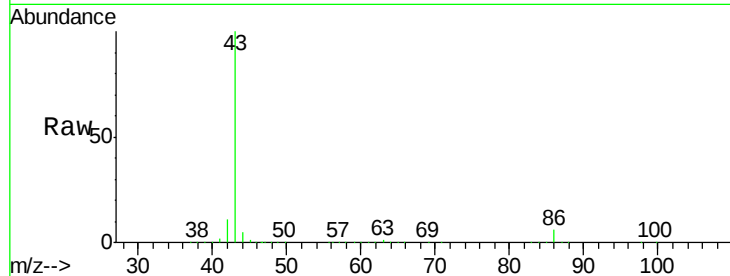
ClientSampleId :

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

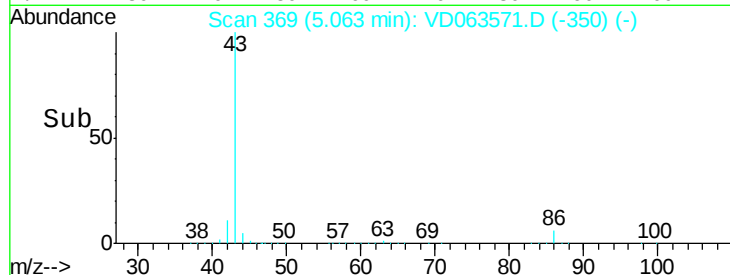
1500000

1000000

500000

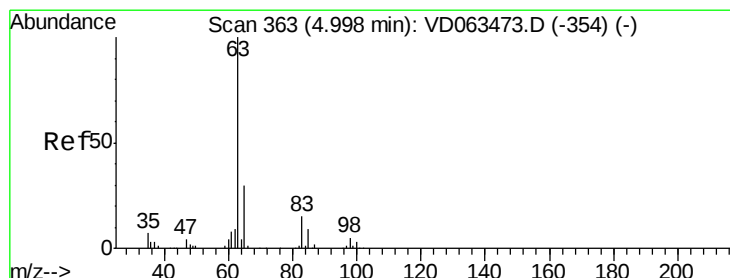
0

Time-->



5.06

4.90 5.00 5.10 5.20 5.30



#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

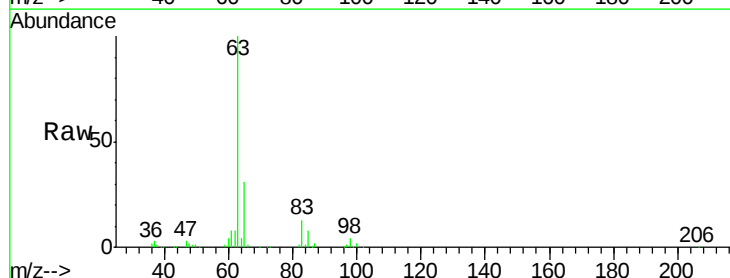
Tgt Ion: 63 Resp: 1004278

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

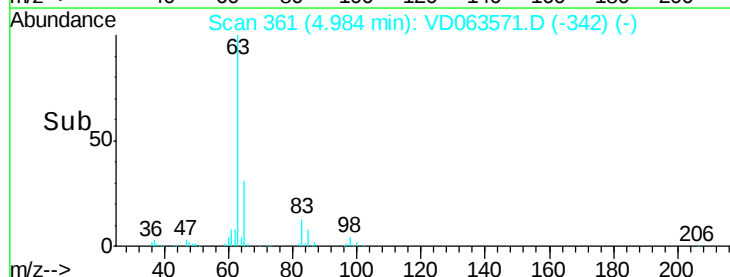
300000

200000

100000

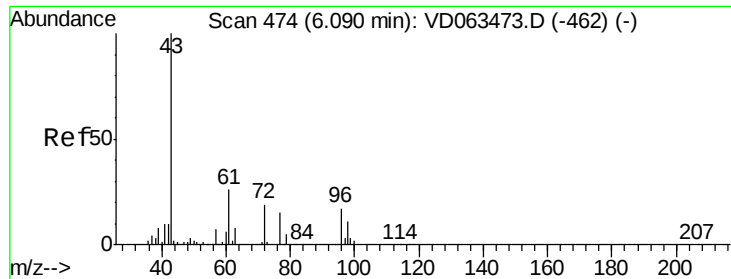
0

Time-->



4.98

4.80 4.90 5.00 5.10 5.20



#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

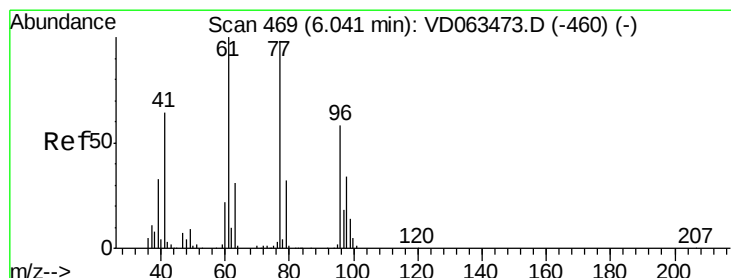
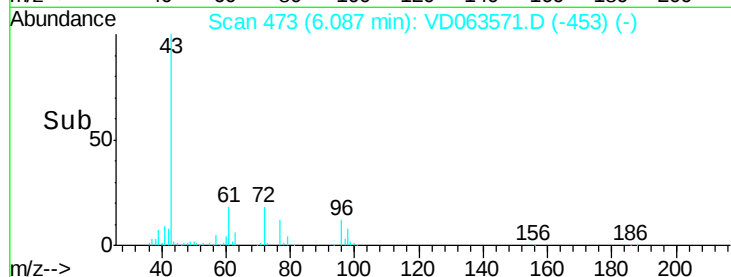
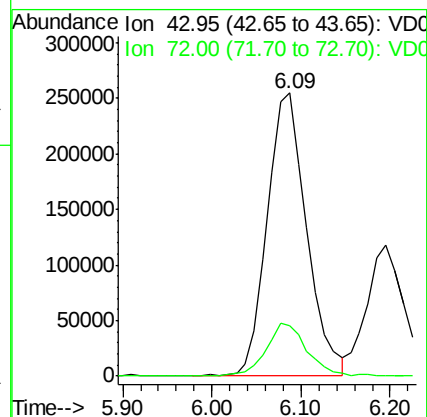
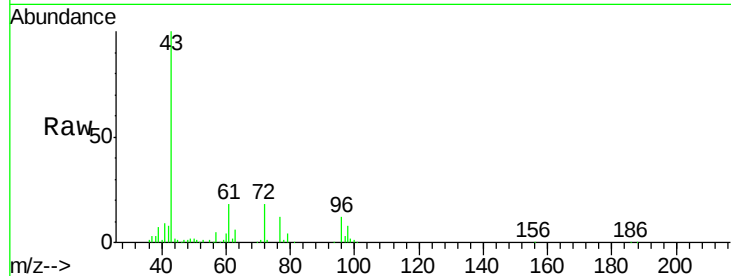
ClientSampleId :

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

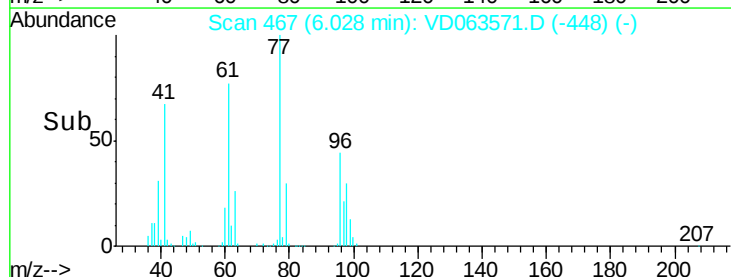
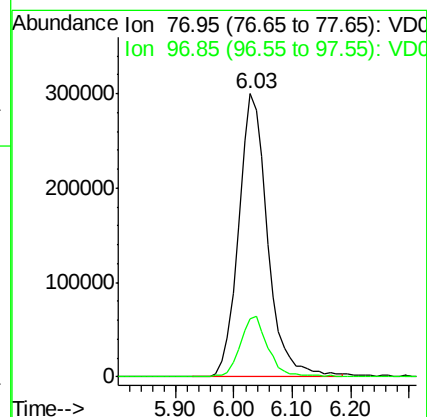
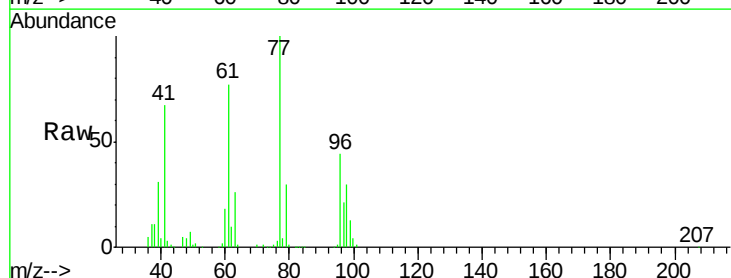
Acq: 14 Aug 2019 13:07

Tgt Ion: 77 Resp: 1038497

Ion Ratio Lower Upper

77 100

97 20.6 9.0 27.1



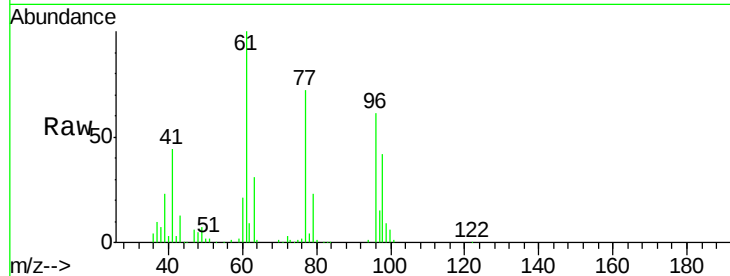


#27

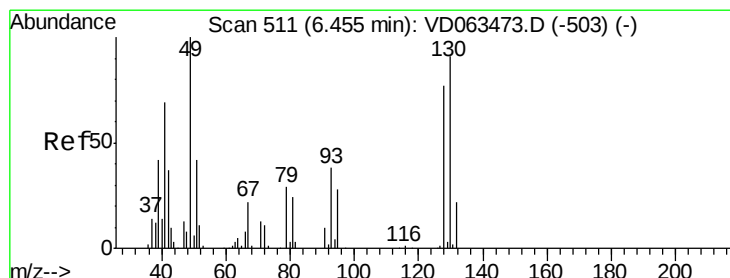
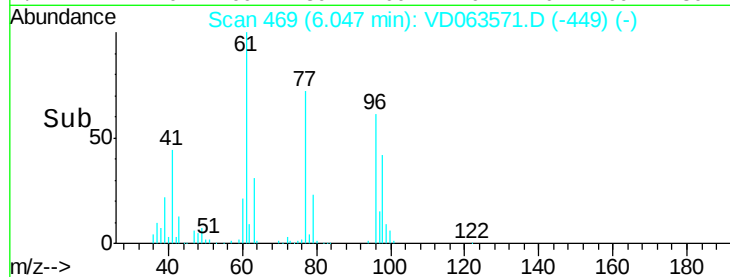
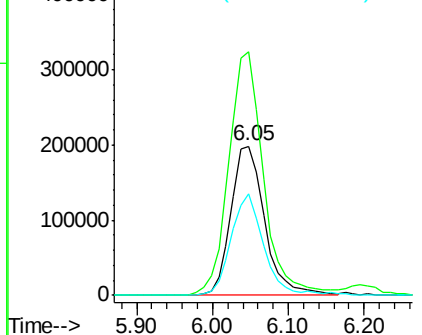
cis-1,2-Dichloroethene
 Concen: 54.420 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :

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



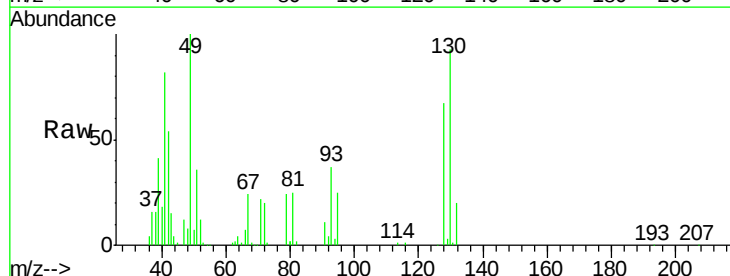
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



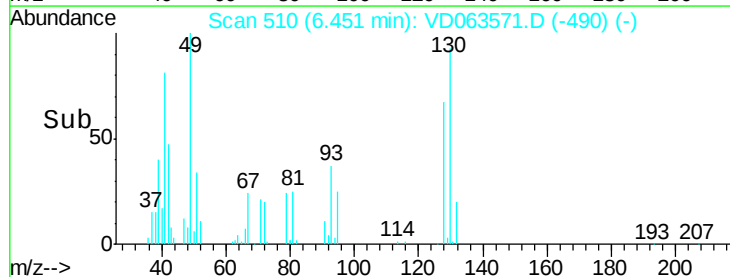
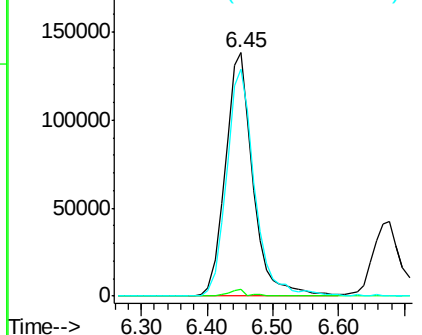
#28

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	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.4
130	93.0	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 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 :

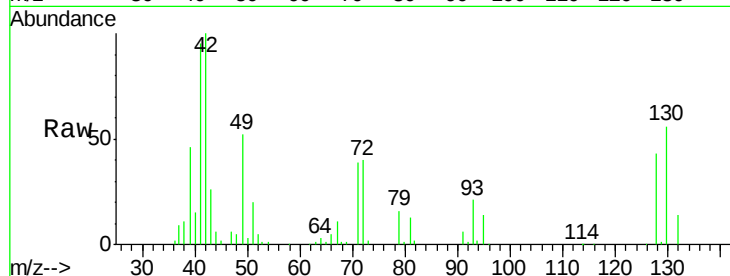
Tot Ion: 42 Resp: 360292

Ion Ratio Lower Upper

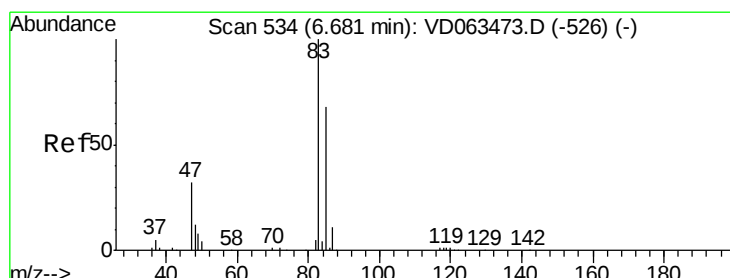
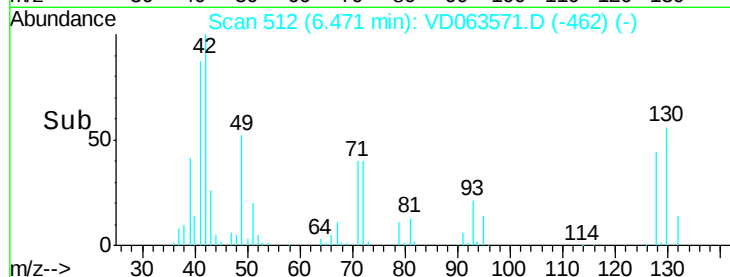
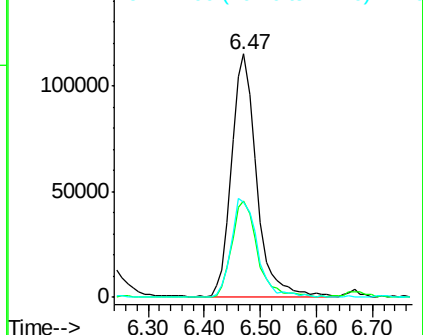
42 100

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

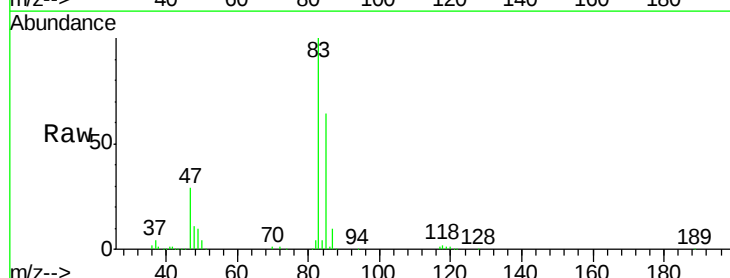
Acq: 14 Aug 2019 13:07

Tgt Ion: 83 Resp: 1222789

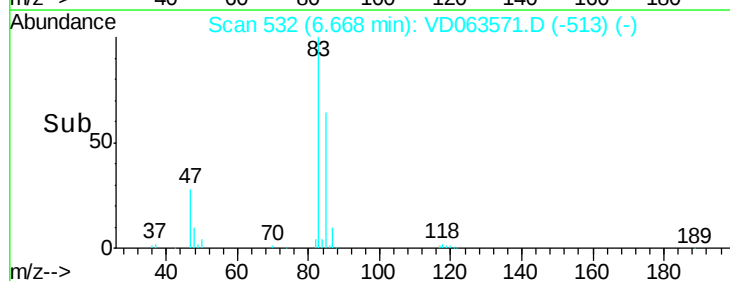
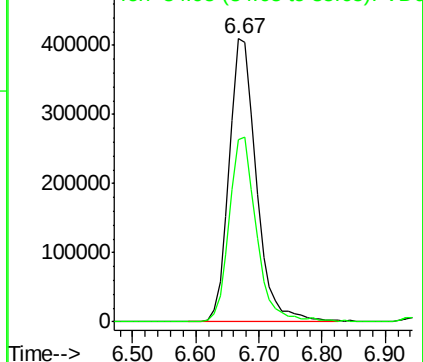
Ion Ratio Lower Upper

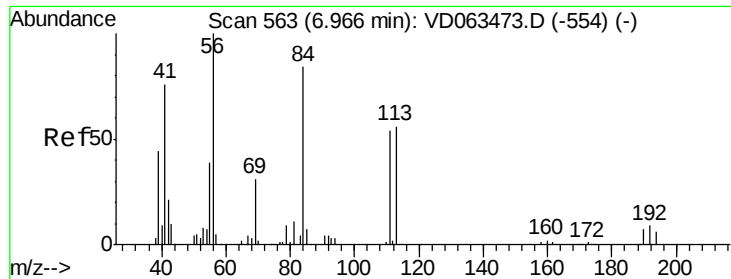
83 100

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

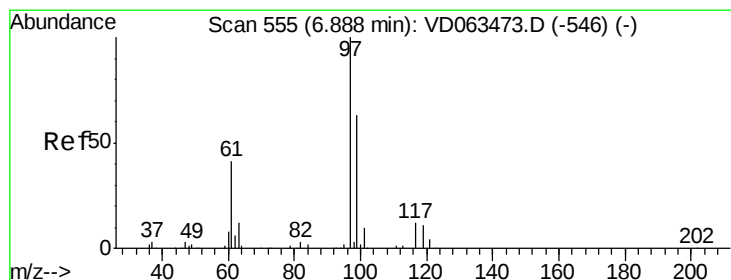
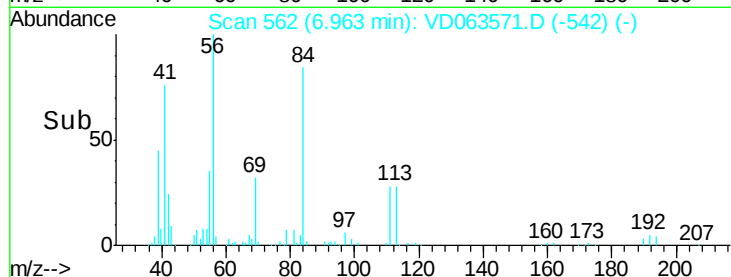
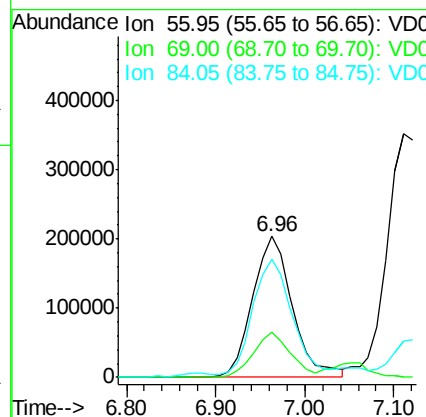
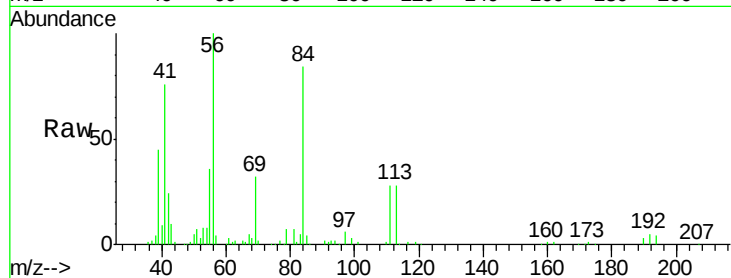




#31
Cvclohexane
Concen: 53.757 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

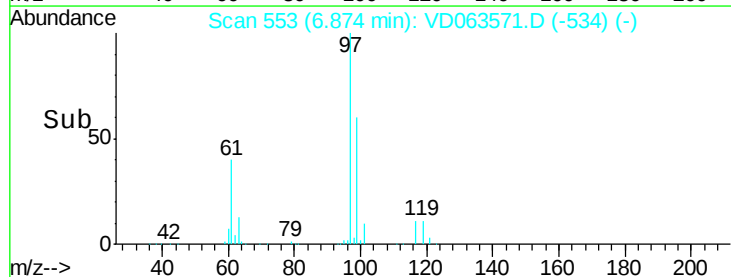
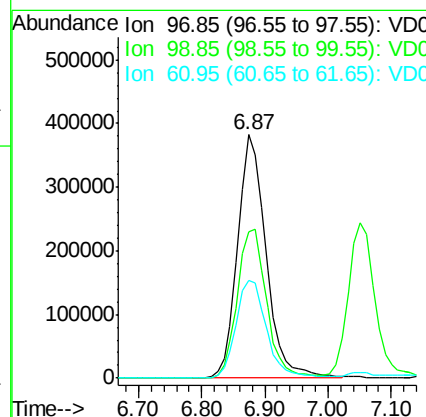
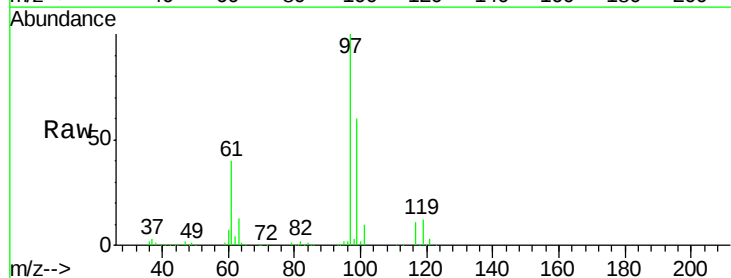
Instrument :
MSVOA_D
ClientSampleId :

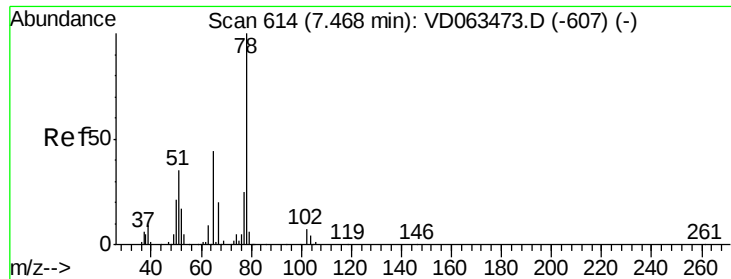
Tot Ion: 56 Resp: 628197
Ion Ratio Lower Upper
56 100
69 32.5 25.0 37.6
84 84.3 69.7 104.5



#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

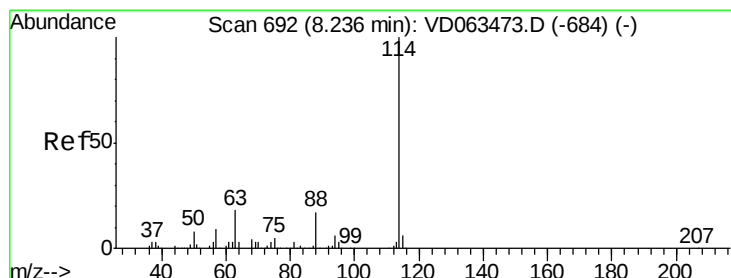
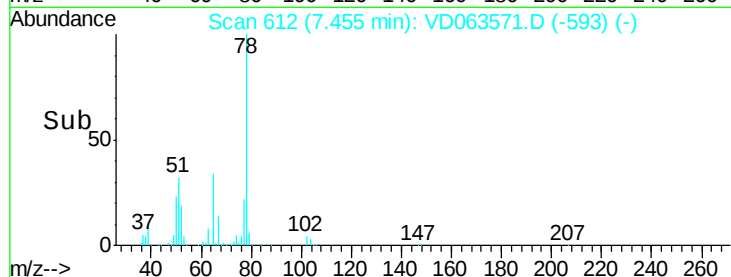
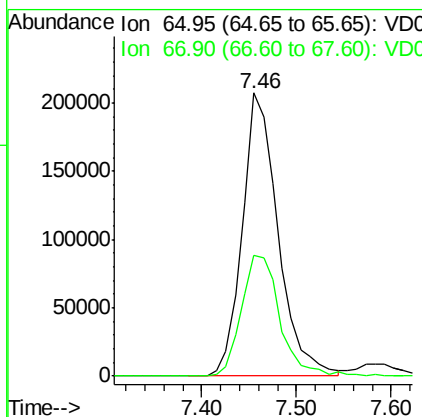
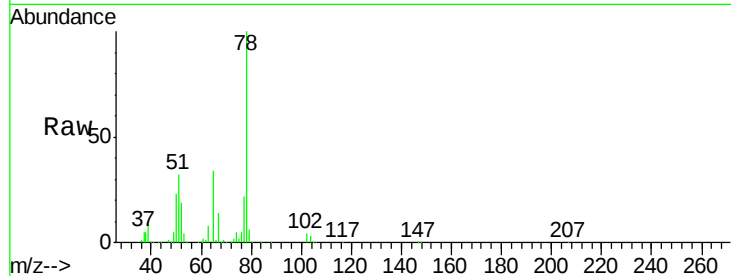




#33
 1,2-Dichloroethane-d4
 Concen: 41.980 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

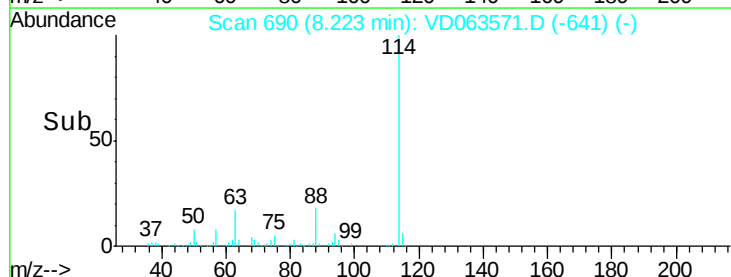
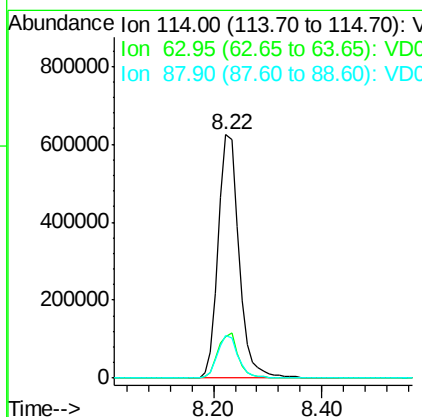
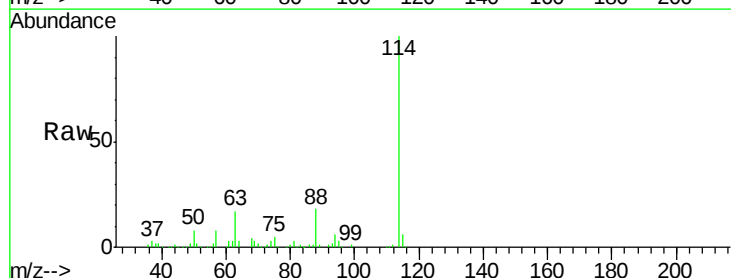
Instrument :
 MSVOA_D
 ClientSampleId :

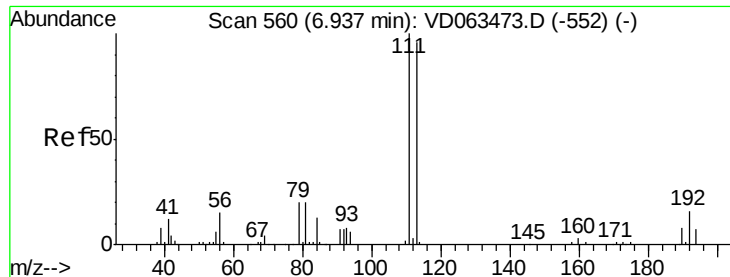
Tot Ion: 65 Resp: 543313
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 89.2



#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

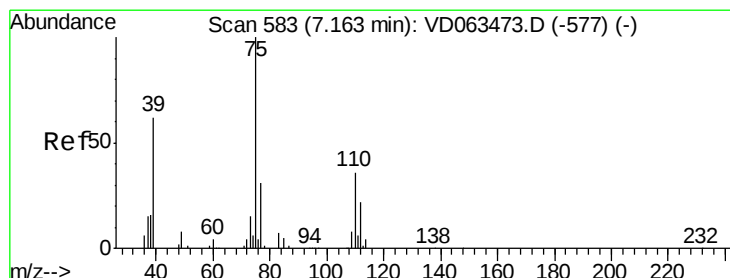
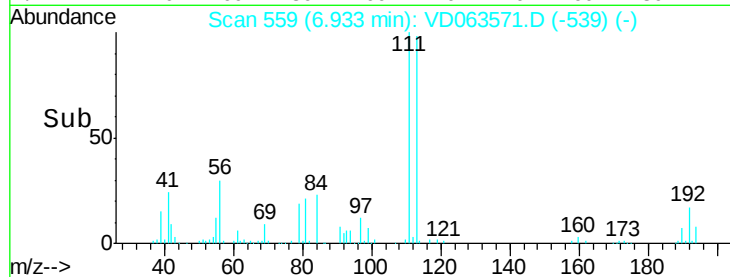
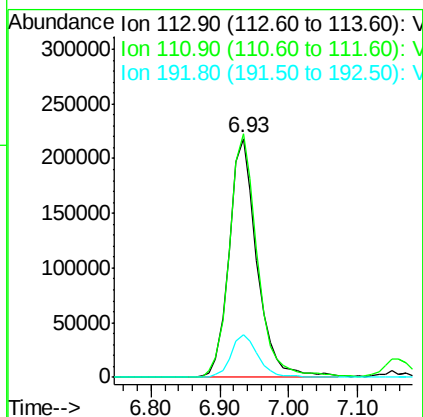
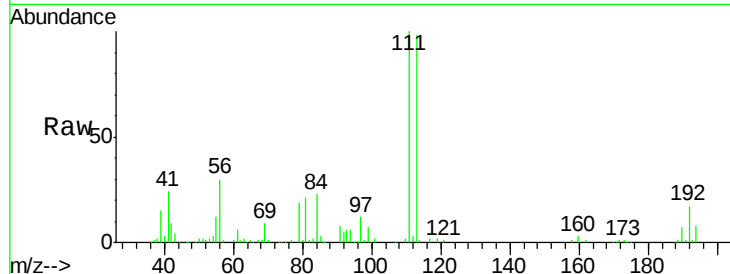




#35
 Dibromofluoromethane
 Concen: 43.538 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

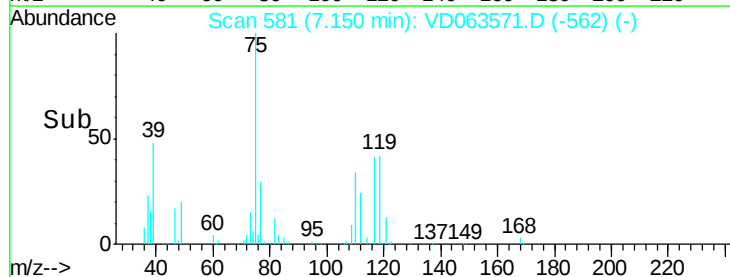
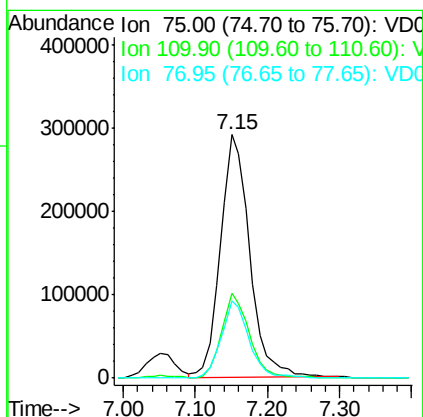
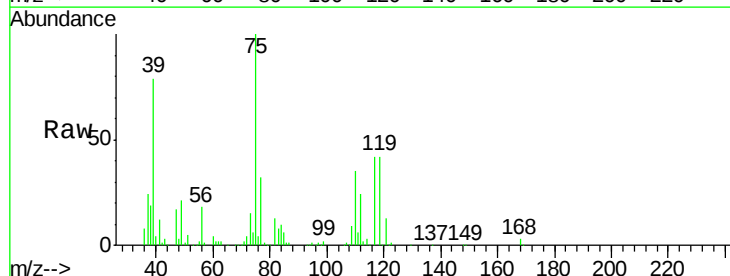
Instrument :
 MSVOA_D
 ClientSampled :

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



#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

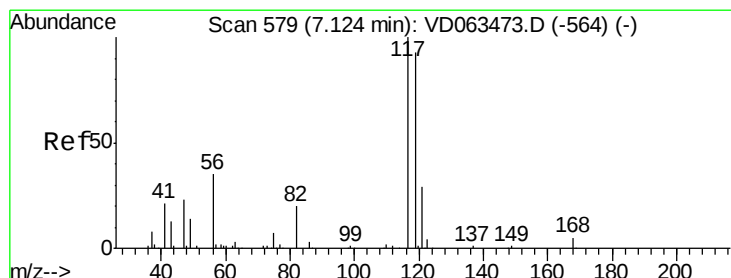
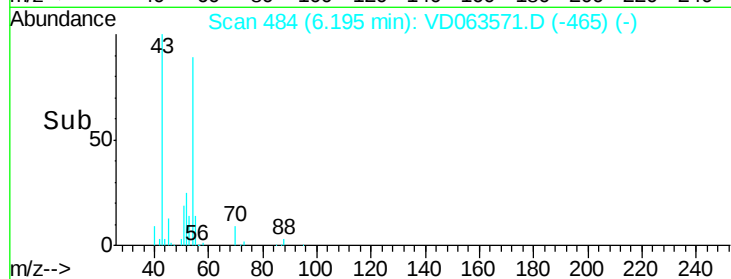
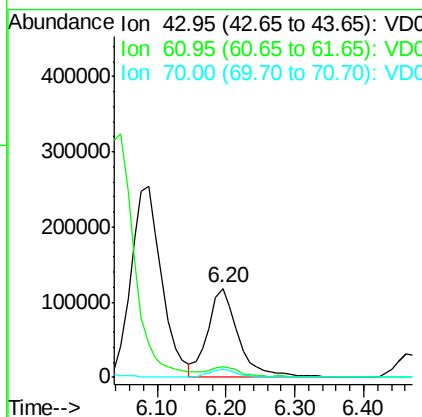
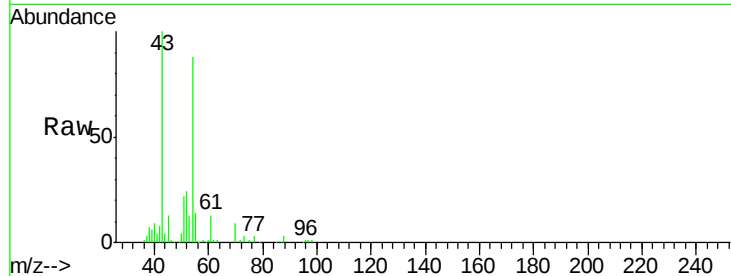




#37
Ethyl Acetate
Concen: 57.971 ug/l
RT: 6.20 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

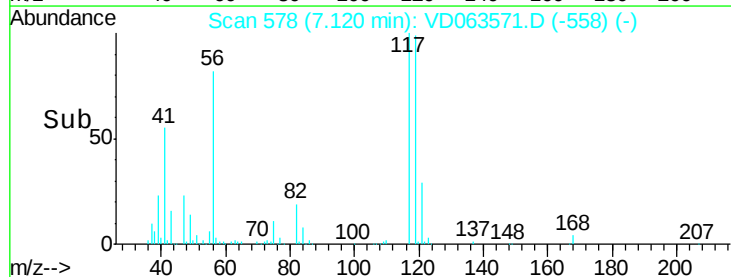
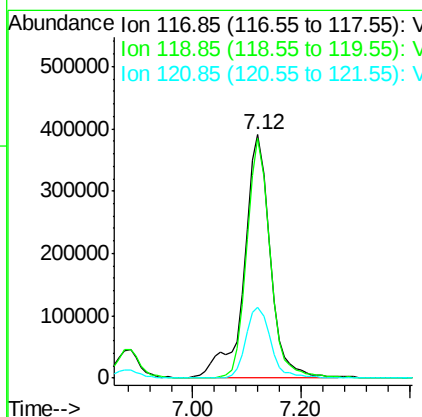
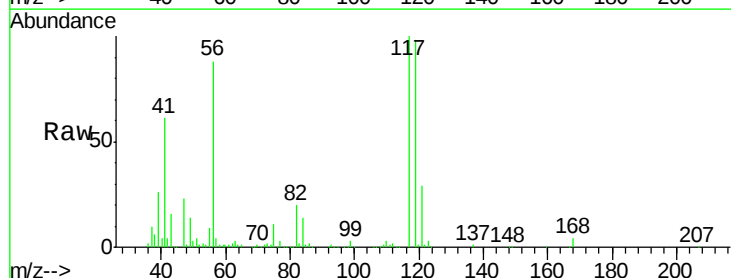
Instrument :
MSVOA_D
ClientSampled :

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

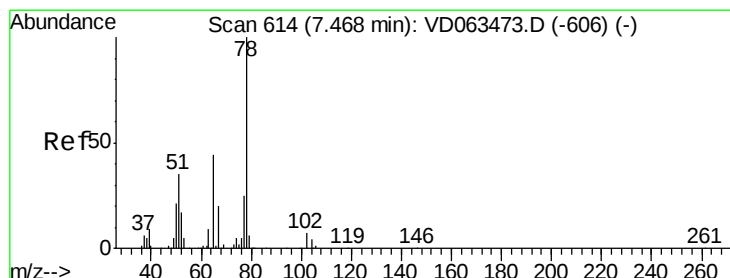
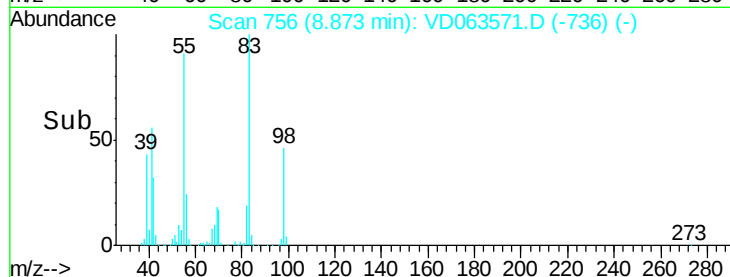
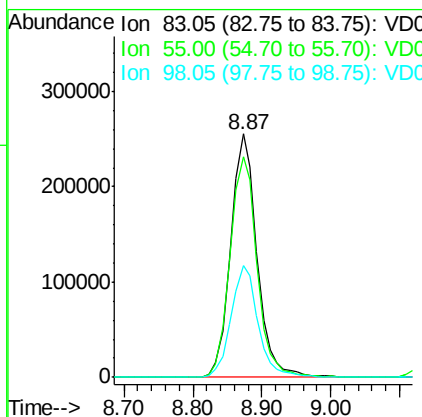
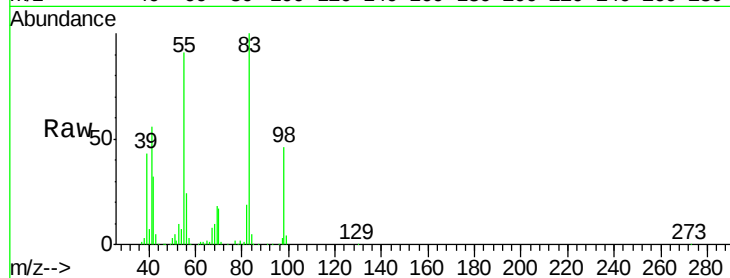




#39
Methvlcvclohexane
Concen: 54.014 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

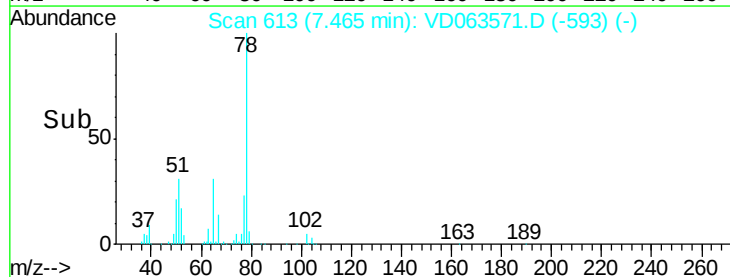
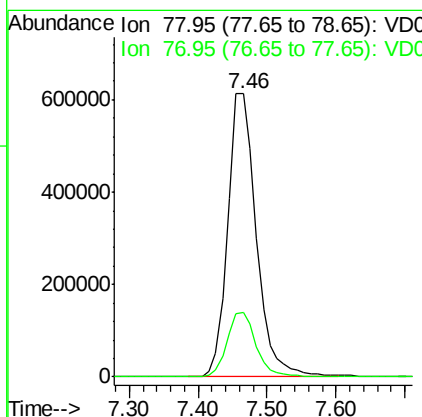
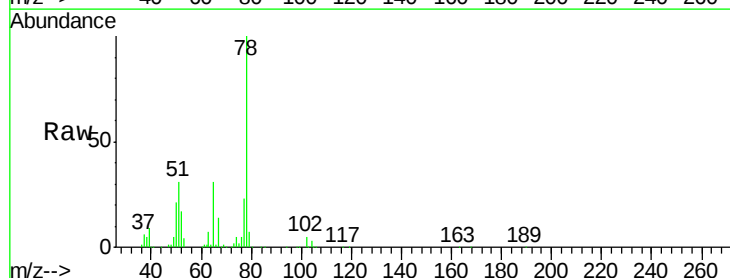
Instrument :
MSVOA_D
ClientSampleId :

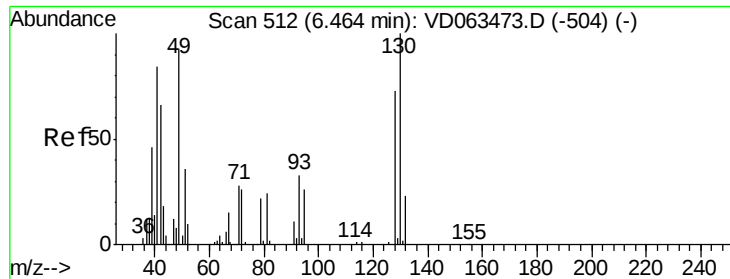
Tot Ion: 83 Resp: 674003
Ion Ratio Lower Upper
83 100
55 90.8 76.6 114.8
98 46.1 39.4 59.0



#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

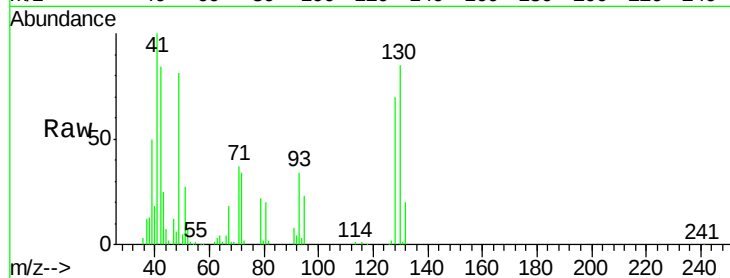




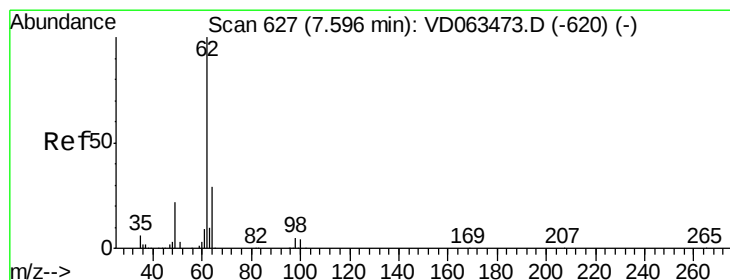
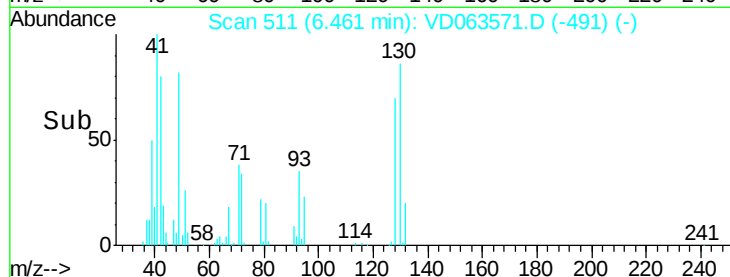
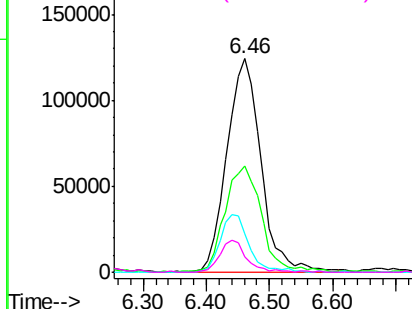
#41
Methacrylonitrile
Concen: 60.155 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

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#

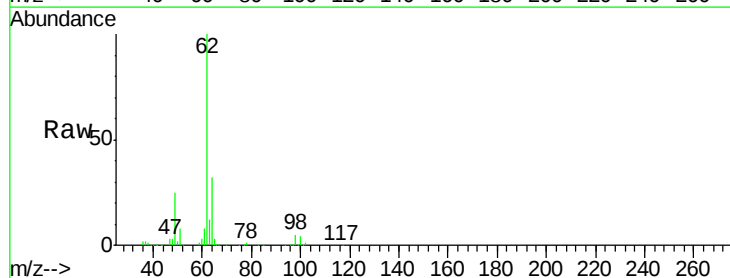


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

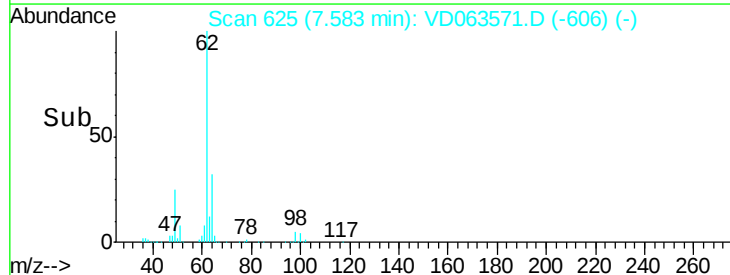
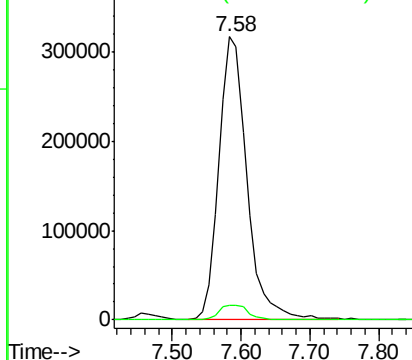


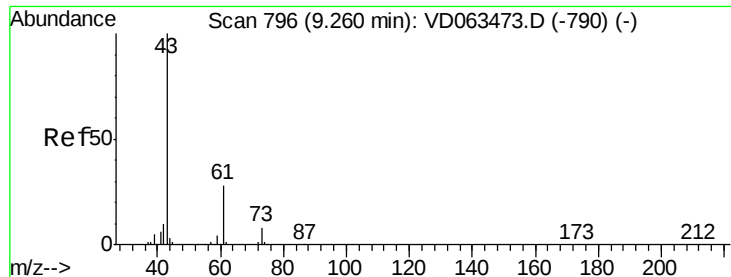
#42
1,2-Dichloroethane
Concen: 54.712 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

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

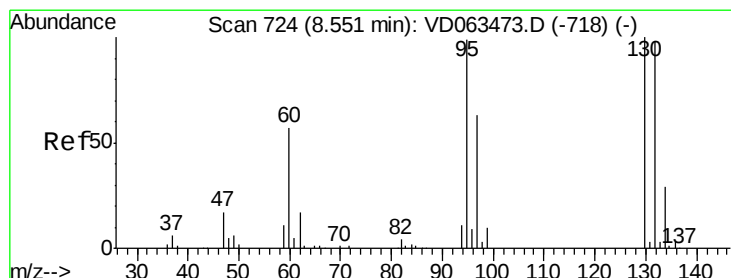
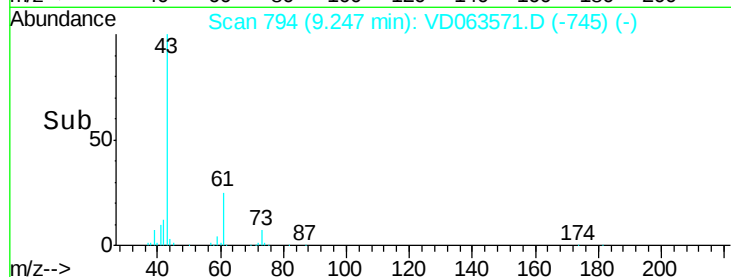
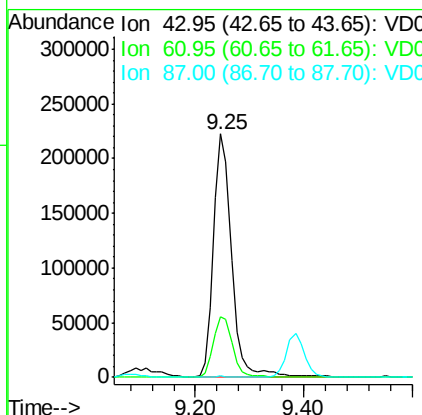
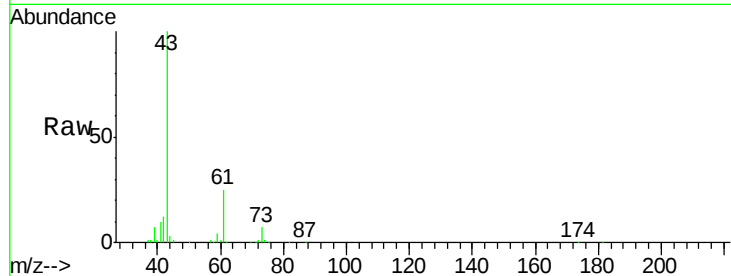




#43
Isopropyl Acetate
Concen: 63.671 ug/l
RT: 9.25 min Scan# 794
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

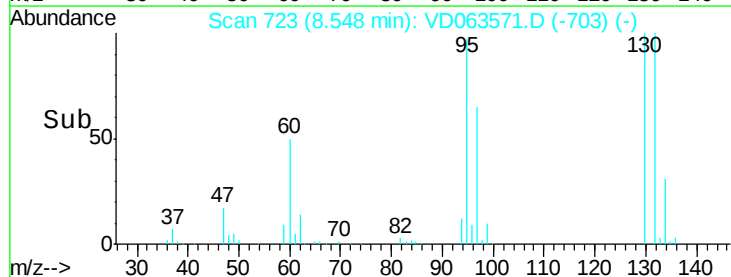
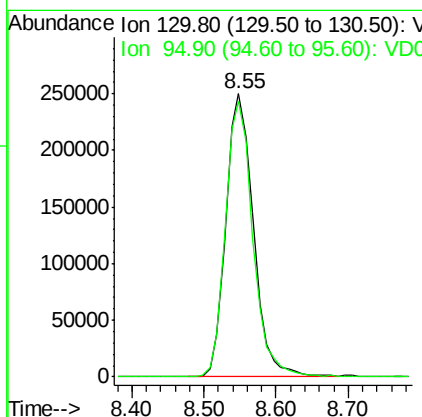
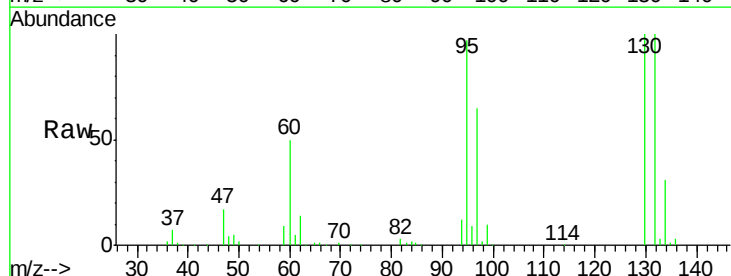
Instrument :
MSVOA_D
ClientSampleId :

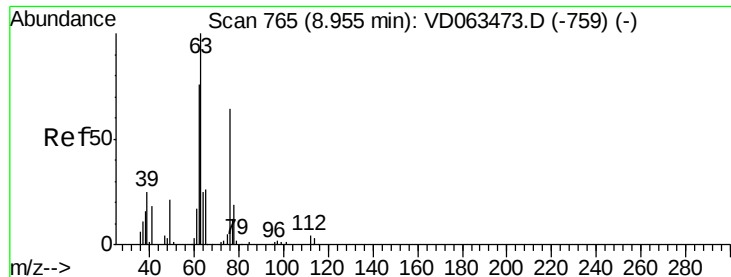
Tot Ion: 43 Resp: 524364
Ion Ratio Lower Upper
43 100
61 25.1 22.2 33.2
87 0.5 0.2 0.4#



#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





#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

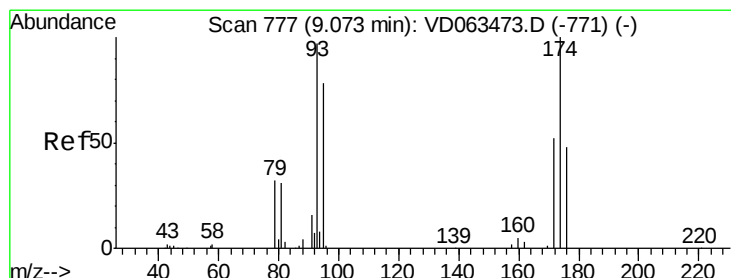
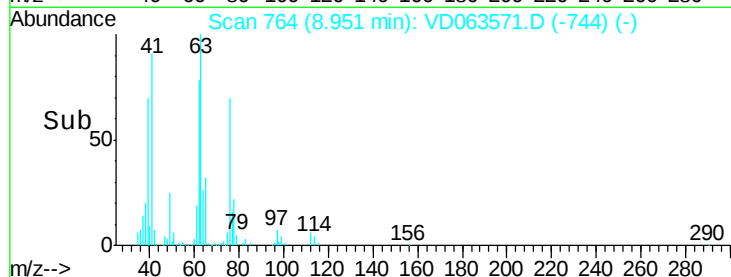
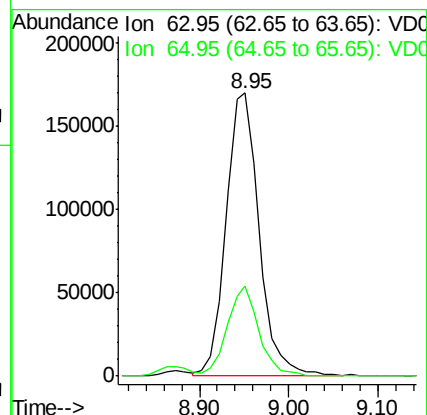
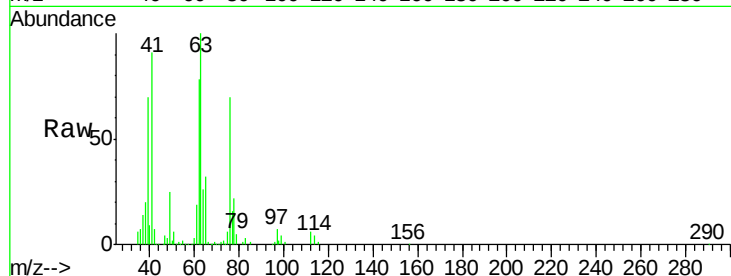
ClientSampleId :

Tot Ion: 63 Resp: 439355

Ion Ratio Lower Upper

63 100

65 32.0 22.5 33.7



#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

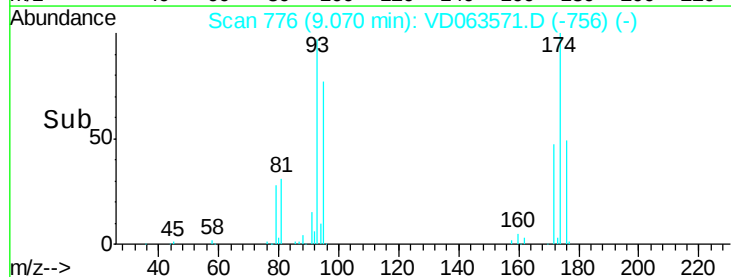
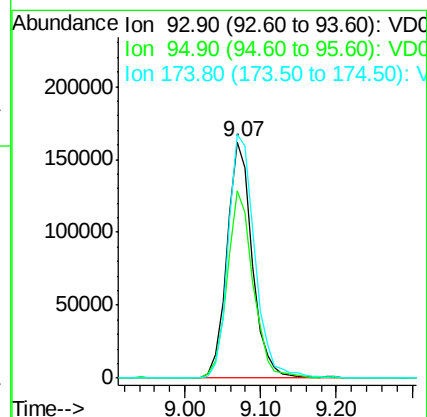
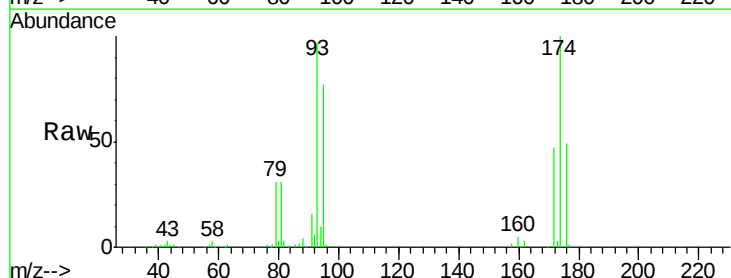
Tgt Ion: 93 Resp: 374238

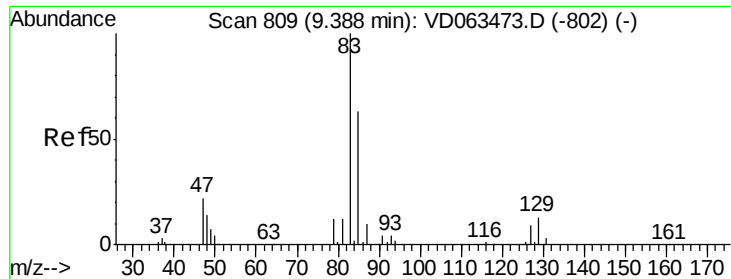
Ion Ratio Lower Upper

93 100

95 79.2 64.2 96.2

174 103.1 82.1 123.1





#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

ClientSampled :

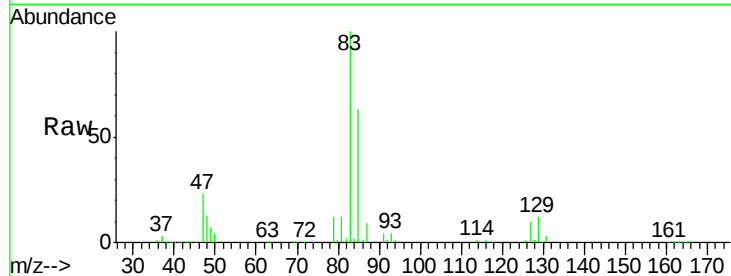
Tot Ion: 83 Resp: 965434

Ion Ratio Lower Upper

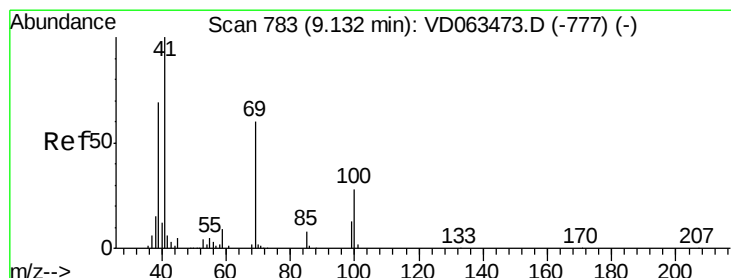
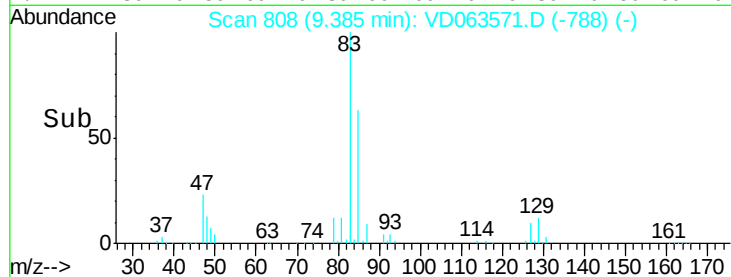
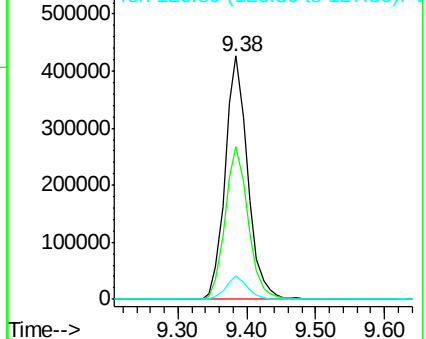
83 100

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

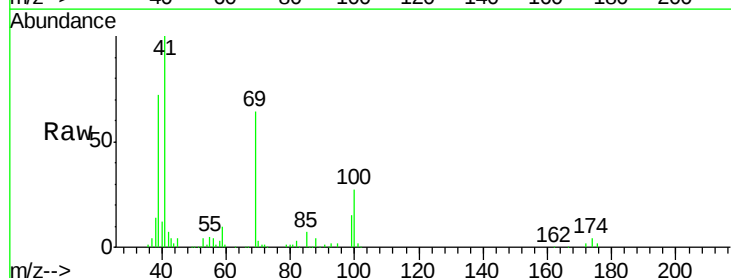
Tgt Ion: 41 Resp: 324690

Ion Ratio Lower Upper

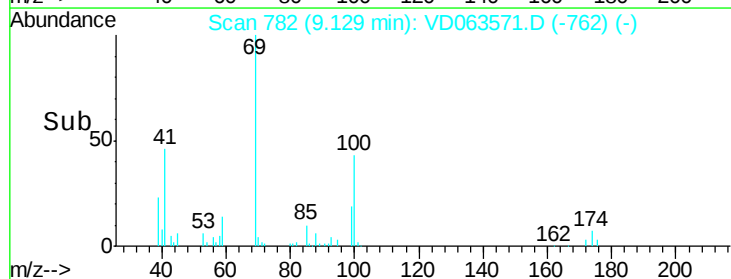
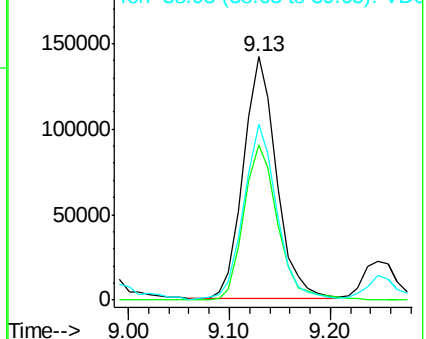
41 100

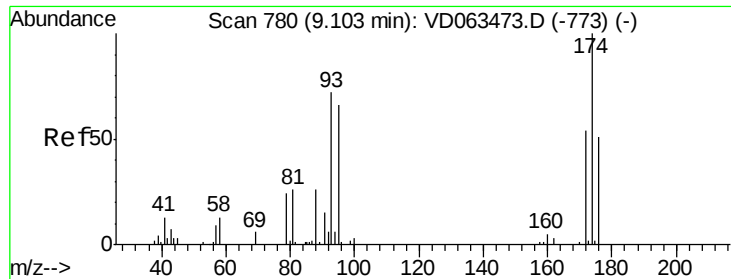
69 64.0 47.6 71.4

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

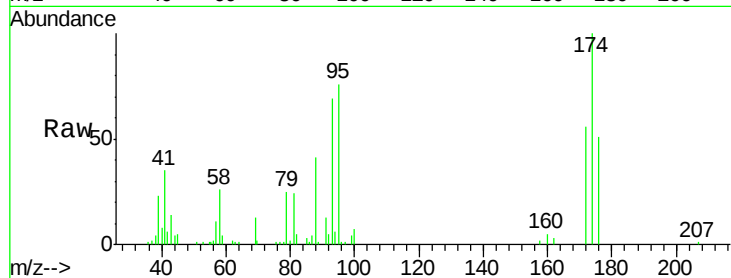




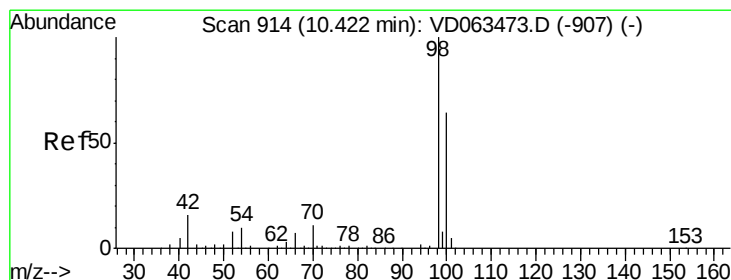
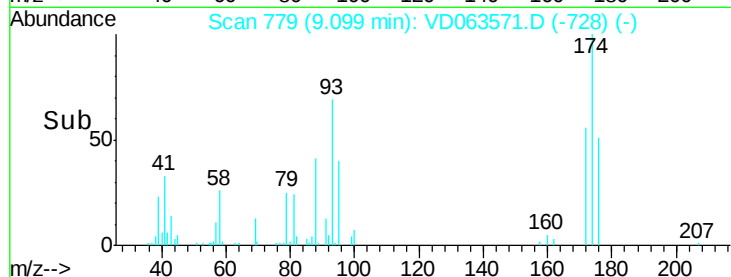
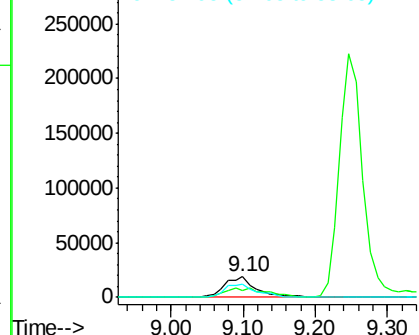
#49
1,4-Dioxane
Concen: 1150.512 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :

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#

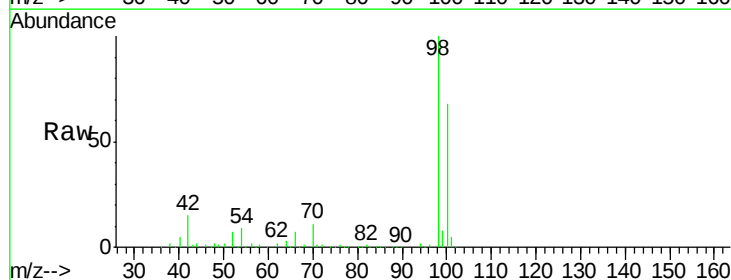


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

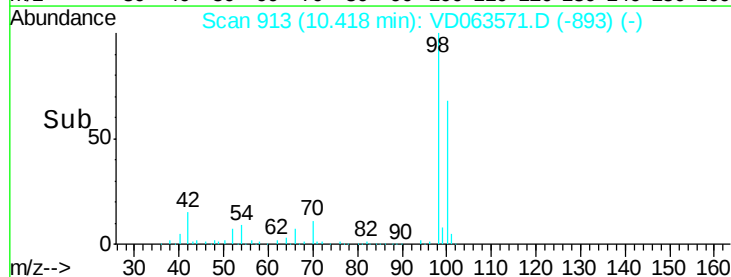
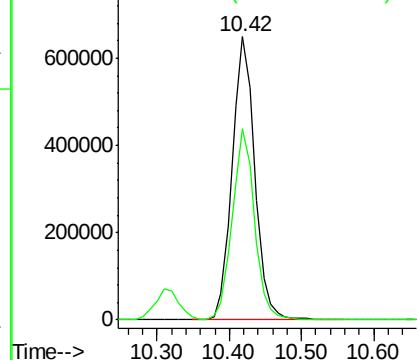


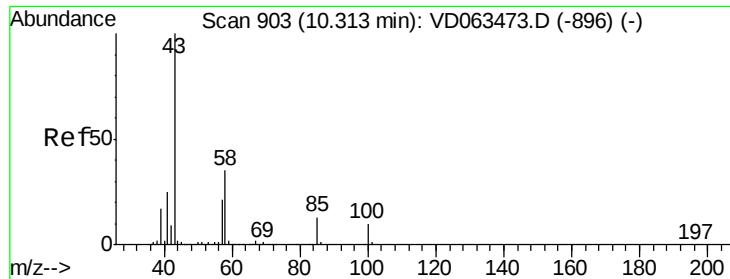
#50
Toluene-d8
Concen: 46.200 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

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

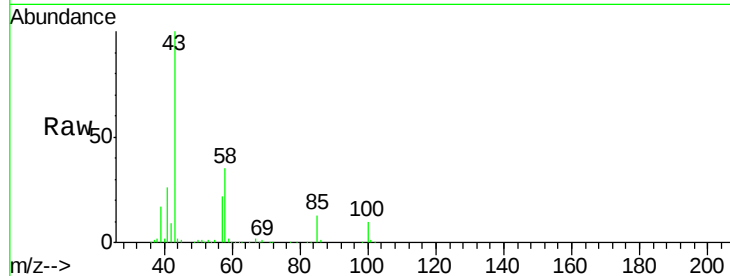
ClientSampled :

Tot Ion: 43 Resp: 1617529

Ion Ratio Lower Upper

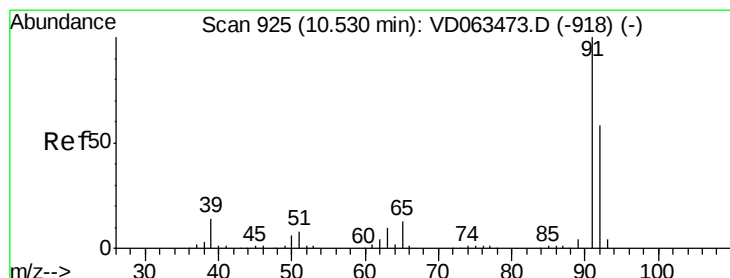
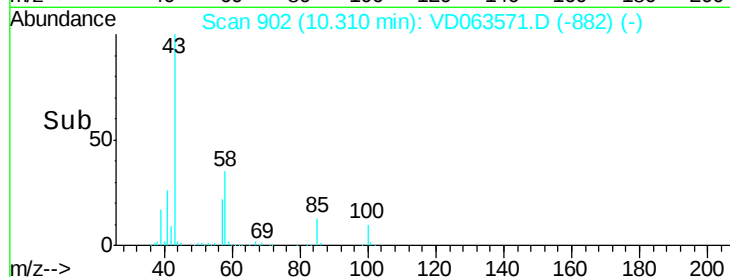
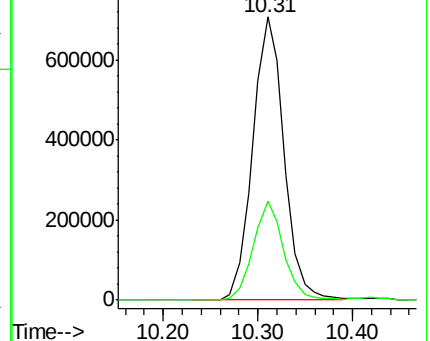
43 100

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



#52

Toluene

Concen: 53.402 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063571.D

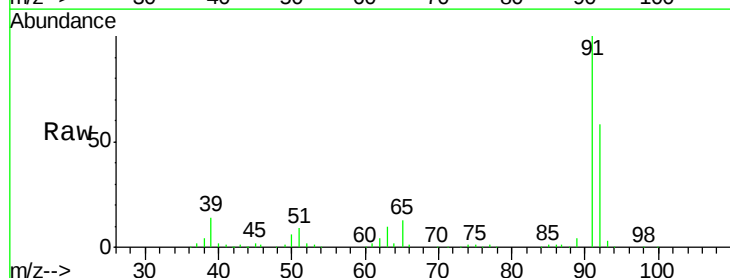
Acq: 14 Aug 2019 13:07

Tgt Ion: 92 Resp: 1110762

Ion Ratio Lower Upper

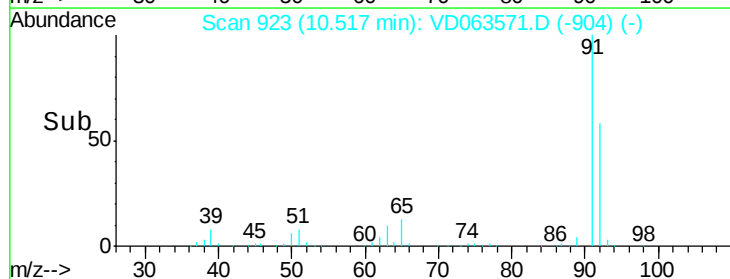
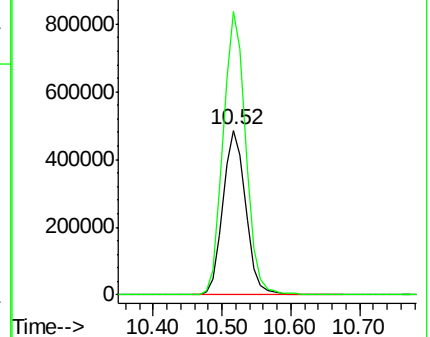
92 100

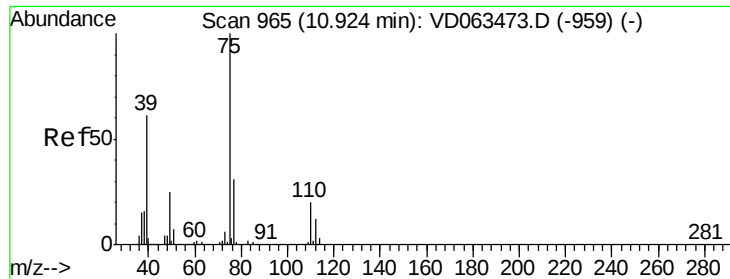
91 172.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

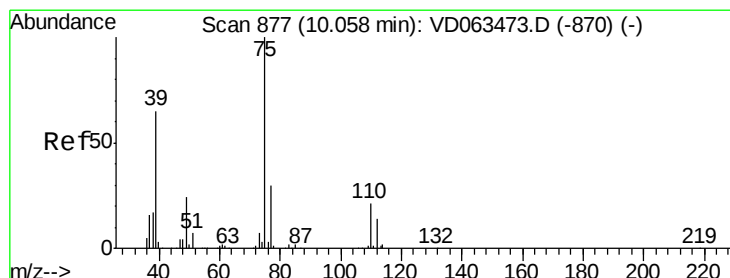
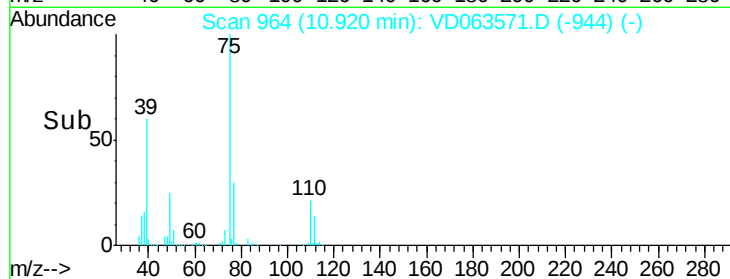
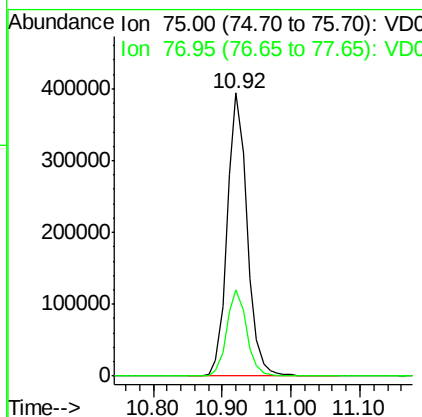
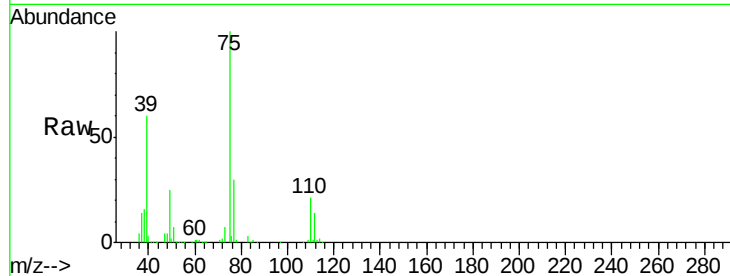




#53
 t-1,3-Dichloropropene
 Concen: 58.534 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

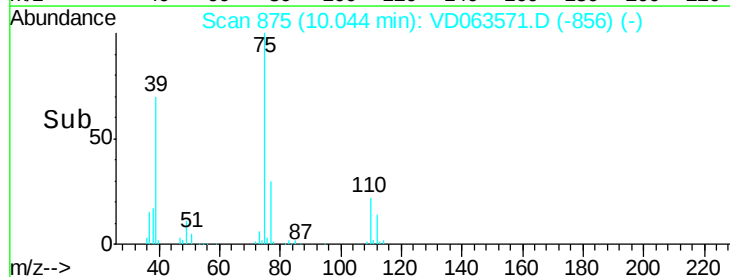
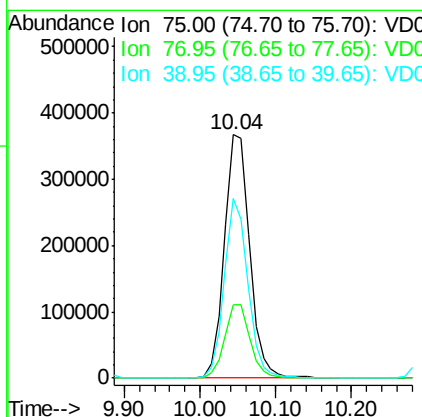
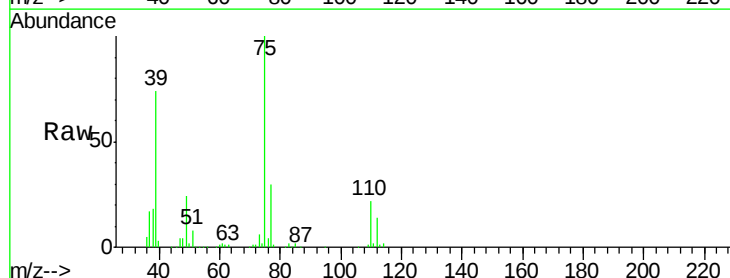
Instrument :
 MSVOA_D
 ClientSampleId :

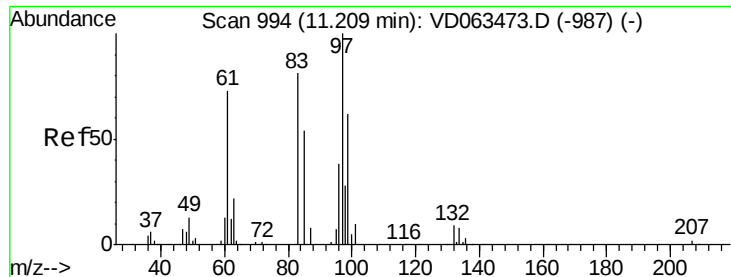
Tot Ion: 75 Resp: 786937
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.5 36.7



#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

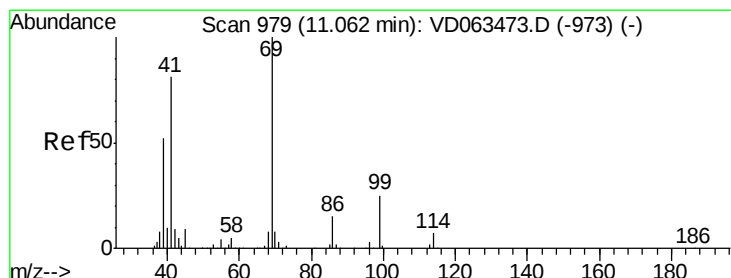
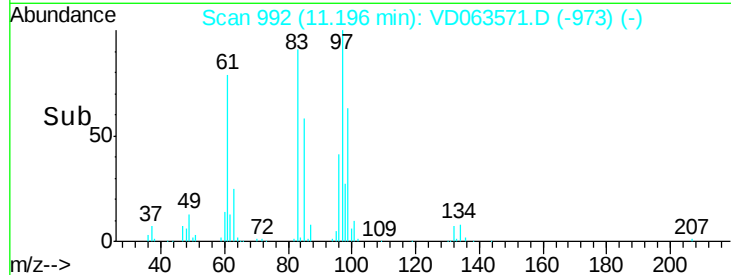
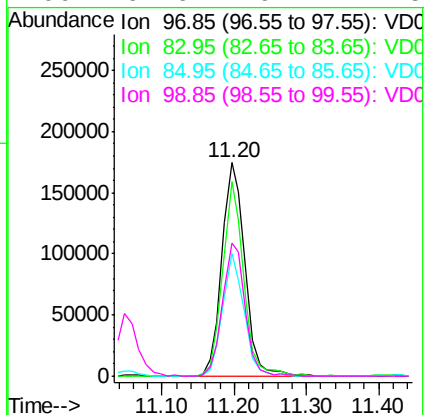
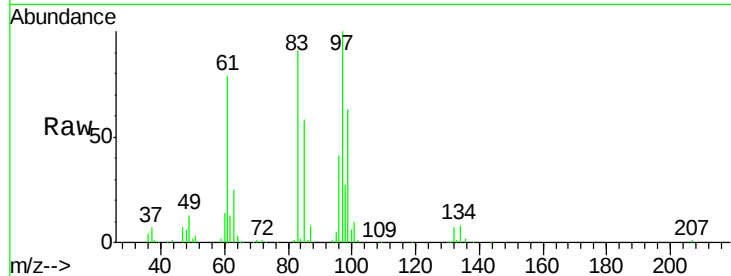




#55
 1,1,2-Trichloroethane
 Concen: 54.976 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

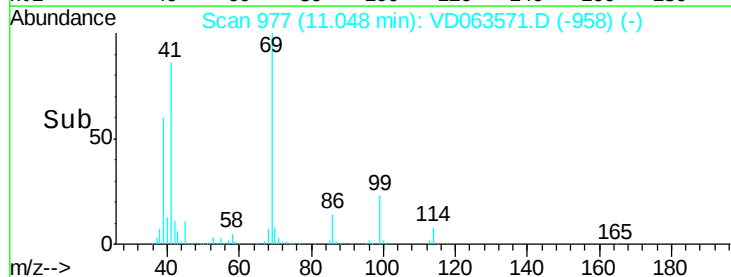
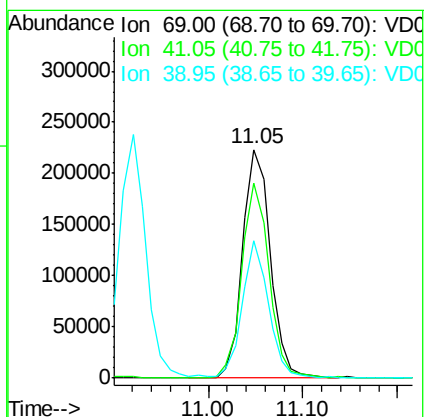
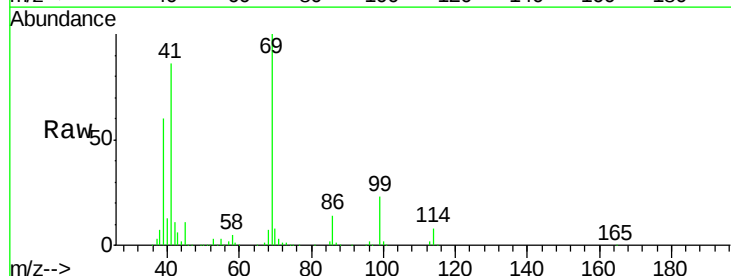
Instrument :
 MSVOA_D
 ClientSampled :

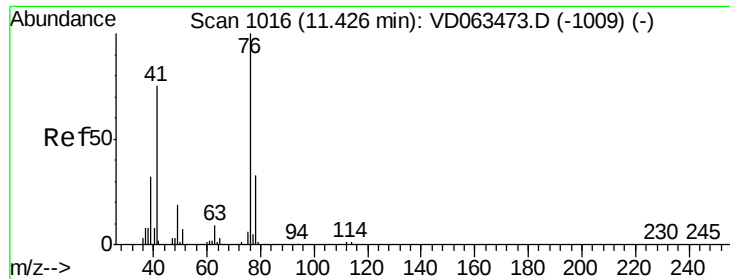
Tot Ion	97	Resp	386267
Ion Ratio	Lower	Upper	
97	100		
83	91.2	64.7	97.1
85	57.7	42.9	64.3
99	62.6	49.7	74.5



#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





#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

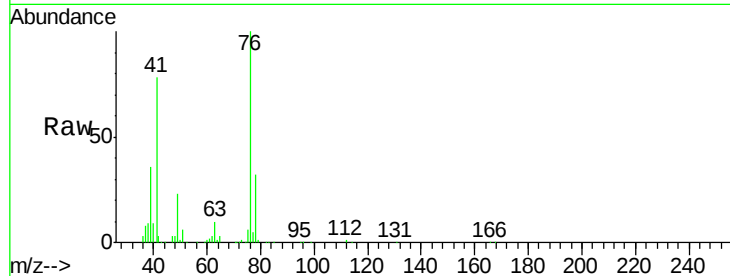
ClientSampleId :

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

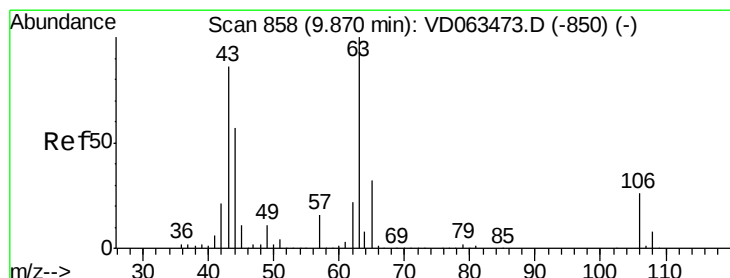
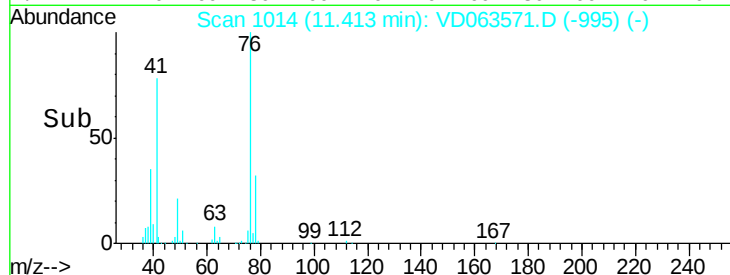
300000

200000

100000

0

Time-->



#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

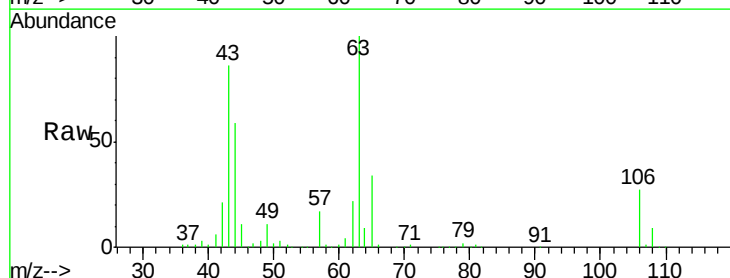
Acq: 14 Aug 2019 13:07

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

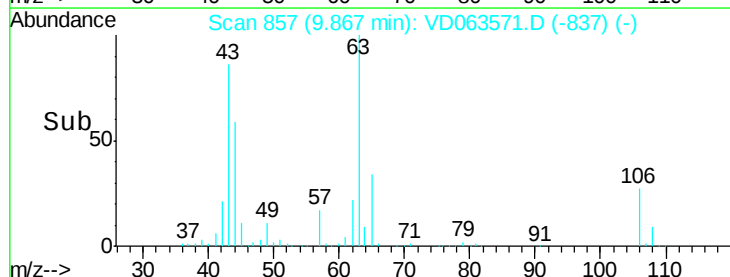
300000

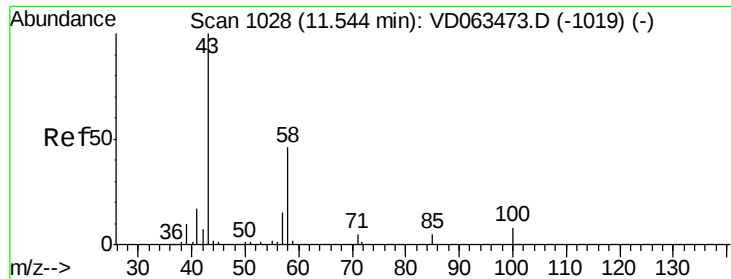
200000

100000

0

Time-->

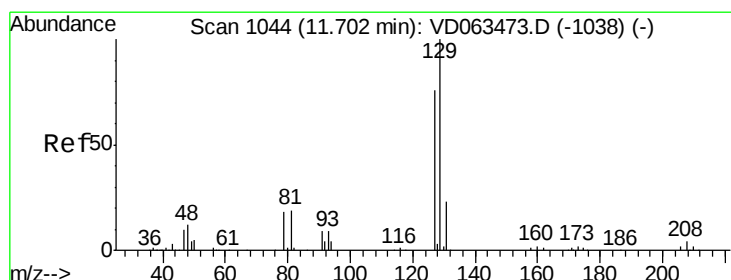
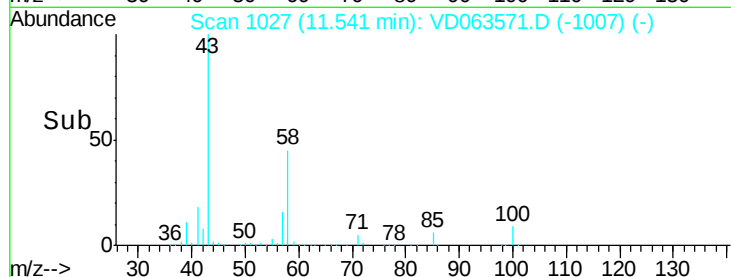
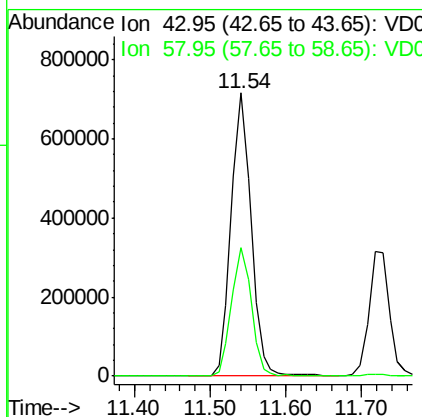
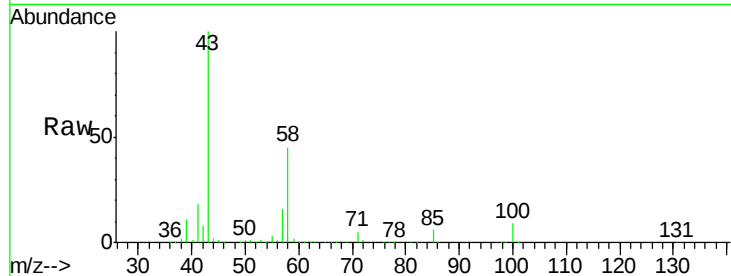




#59
2-Hexanone
Concen: 319.527 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

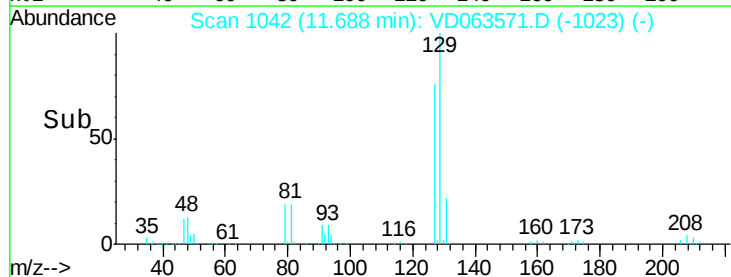
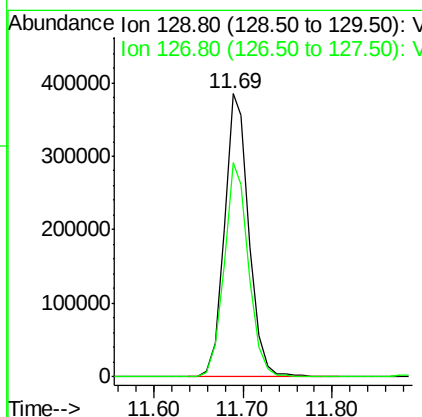
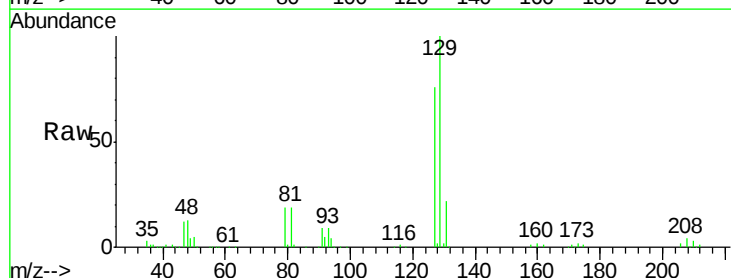
Instrument :
MSVOA_D
ClientSampleId :

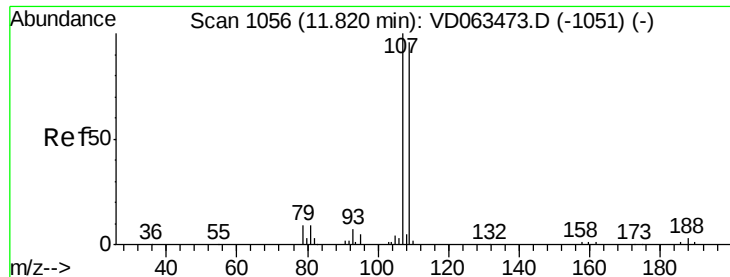
Tot Ion: 43 Resp: 1310203
Ion Ratio Lower Upper
43 100
58 45.2 23.1 69.2



#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

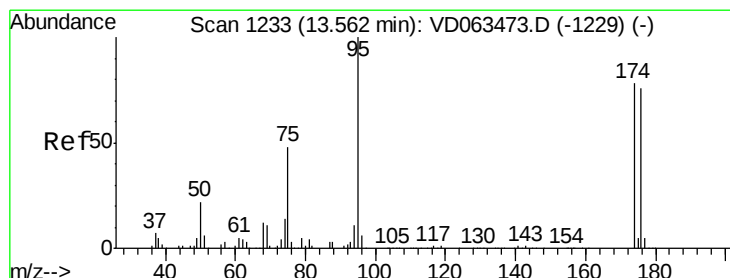
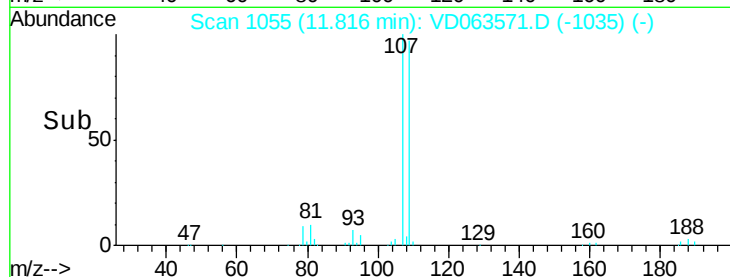
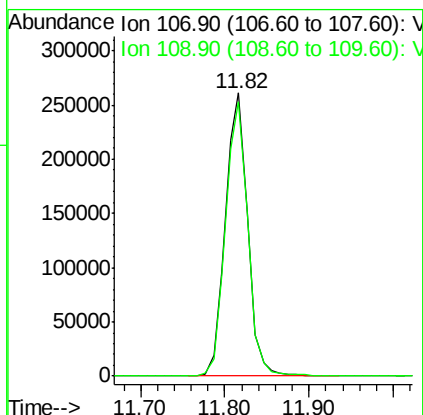
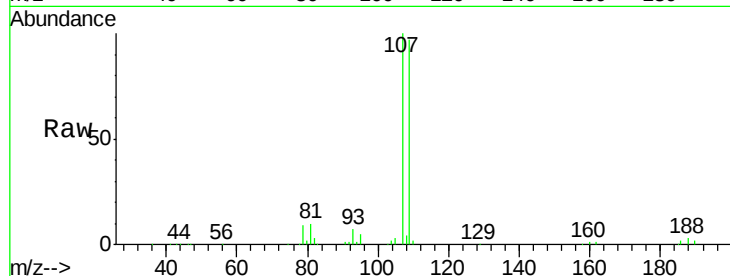




#61
 1,2-Dibromoethane
 Concen: 56.287 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

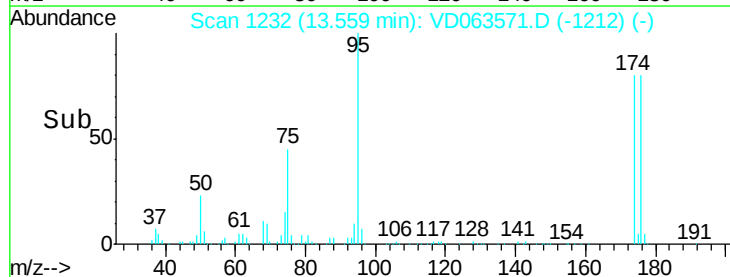
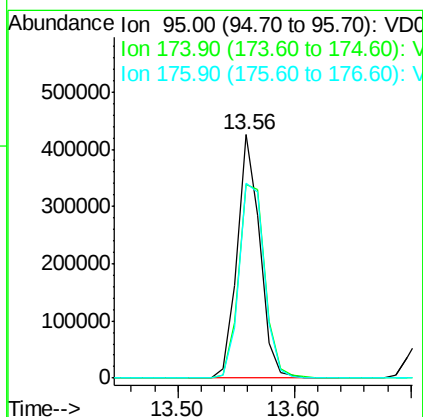
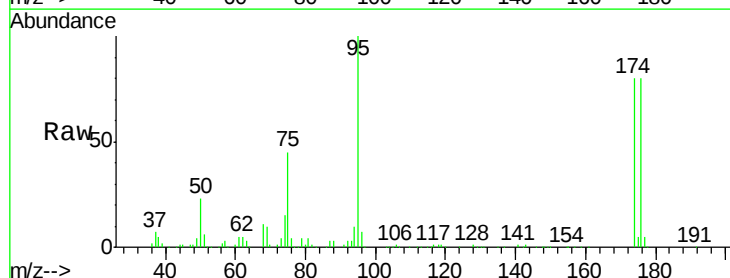
Instrument :
 MSVOA_D
 ClientSampleId :

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

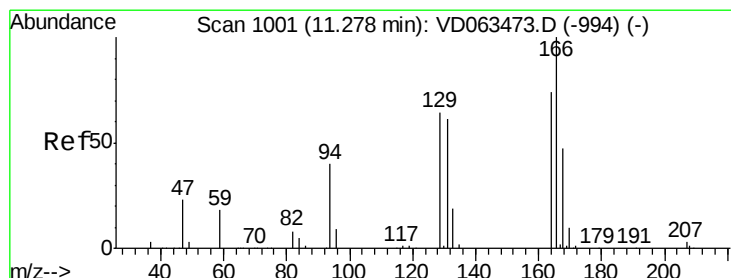
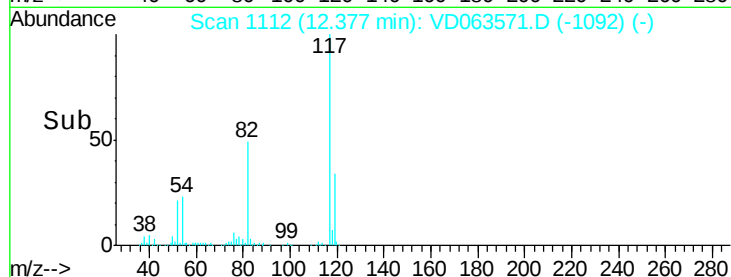
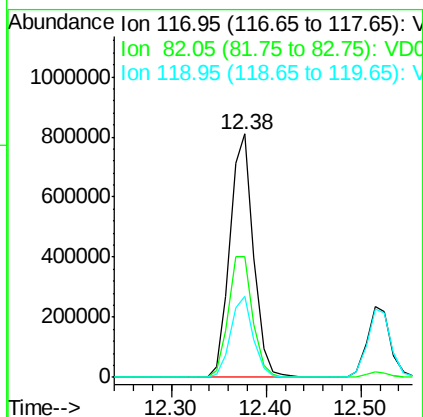
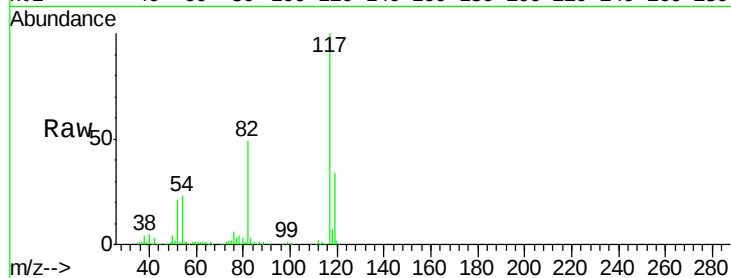




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

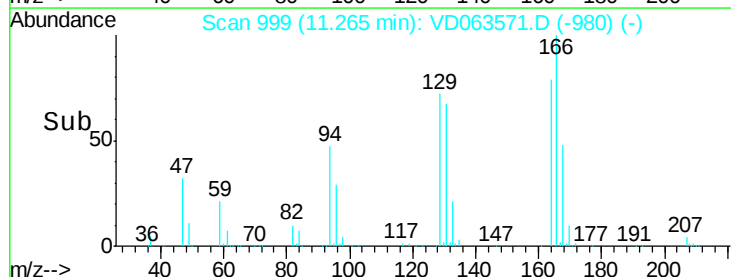
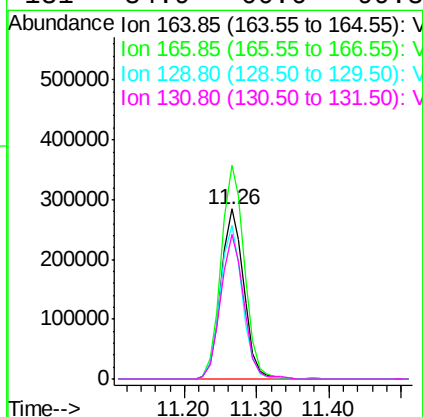
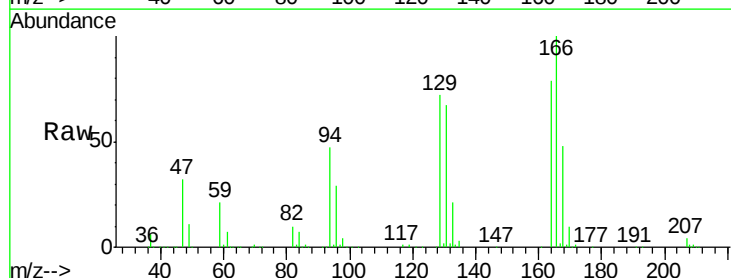
Instrument :
MSVOA_D
ClientSampleId :

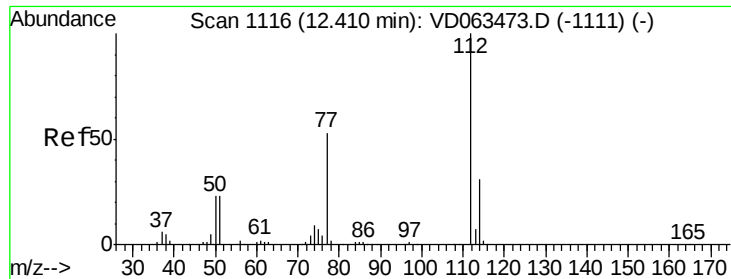
Tot Ion:117 Resp: 1393982
Ion Ratio Lower Upper
117 100
82 49.5 42.0 63.0
119 33.5 25.4 38.0



#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

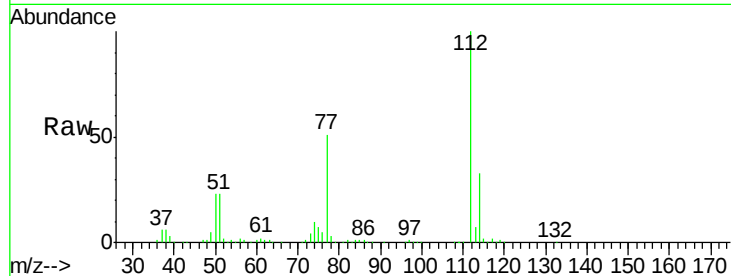
ClientSampled :

Tot Ion:112 Resp: 1417653

Ion Ratio Lower Upper

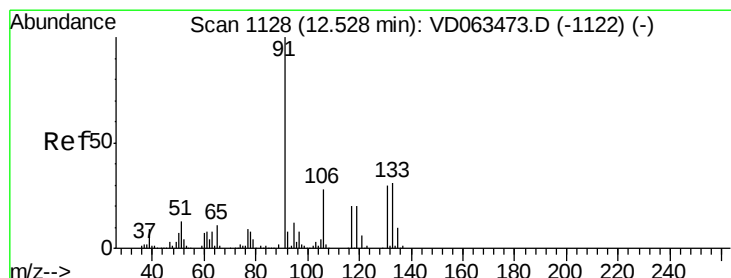
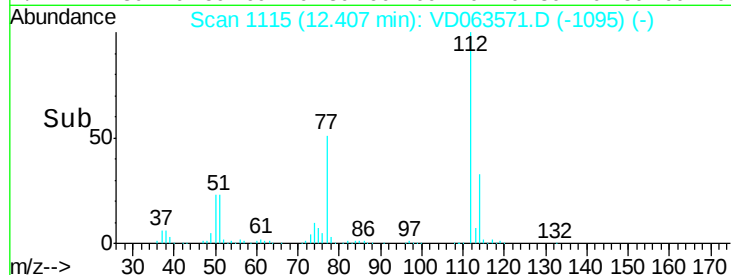
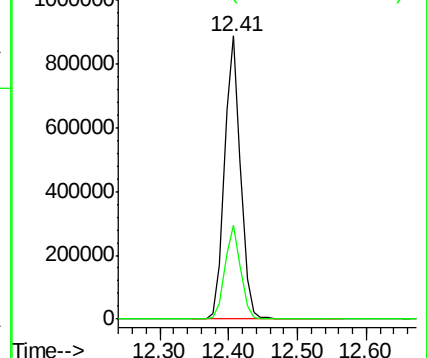
112 100

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

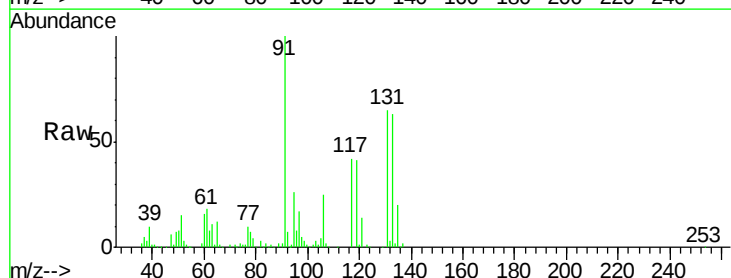
Tgt Ion:131 Resp: 629967

Ion Ratio Lower Upper

131 100

133 97.1 51.1 153.3

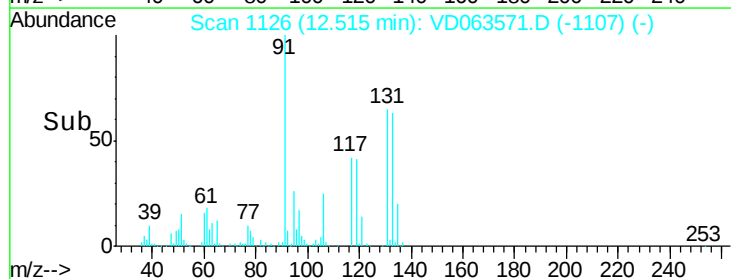
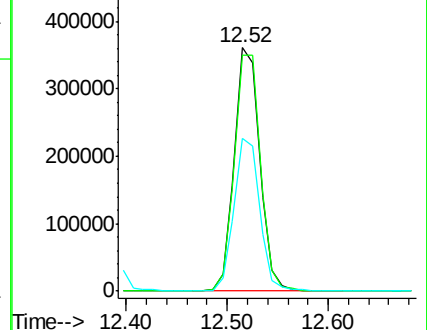
119 62.6 33.1 99.3



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

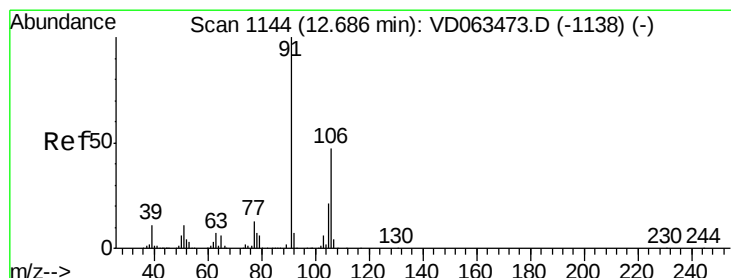
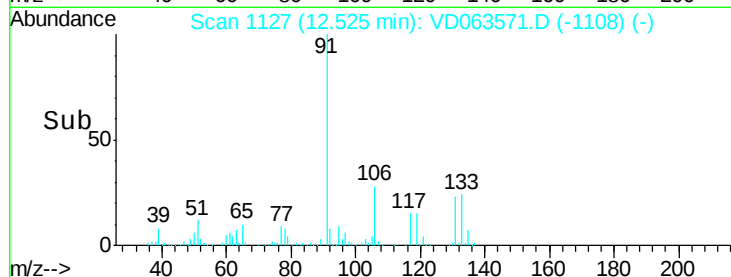
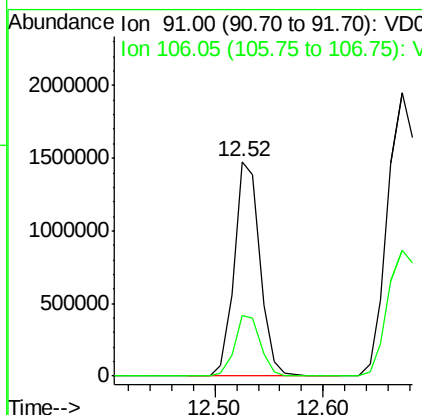
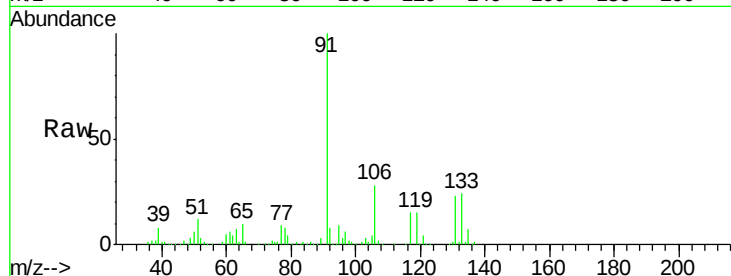




#67
Ethyl Benzene
Concen: 53.785 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

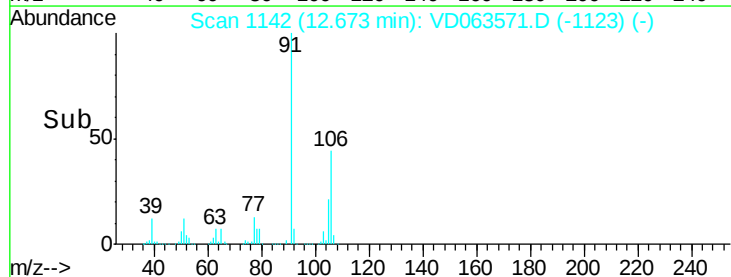
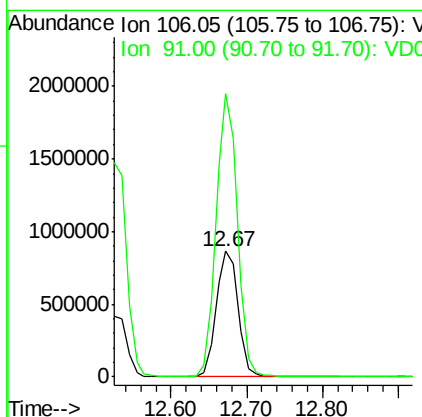
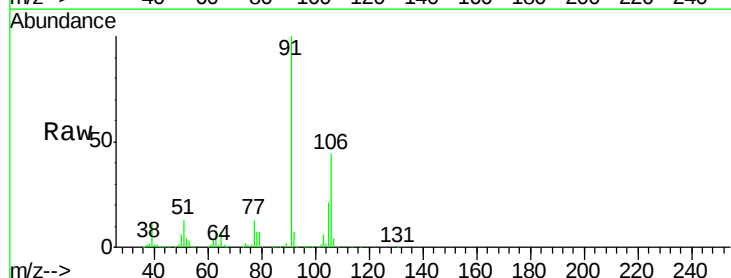
Instrument :
MSVOA_D
ClientSampleId :

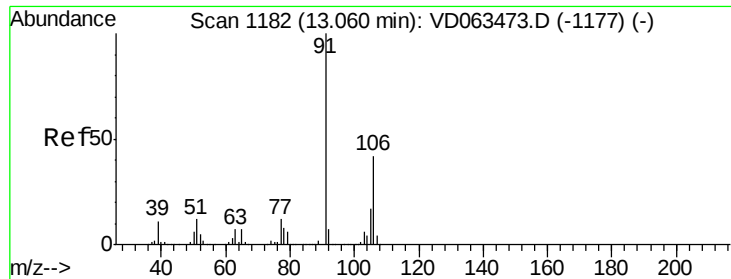
Tot Ion: 91 Resp: 2443340
Ion Ratio Lower Upper
91 100
106 28.2 23.1 34.7



#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

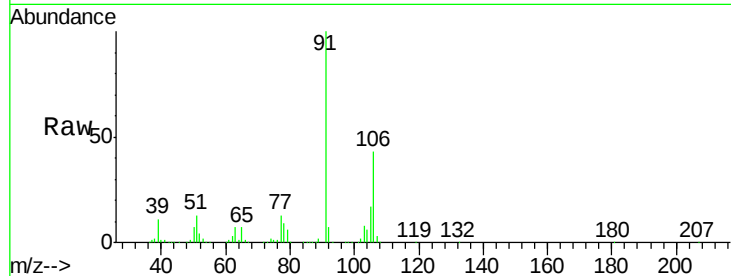




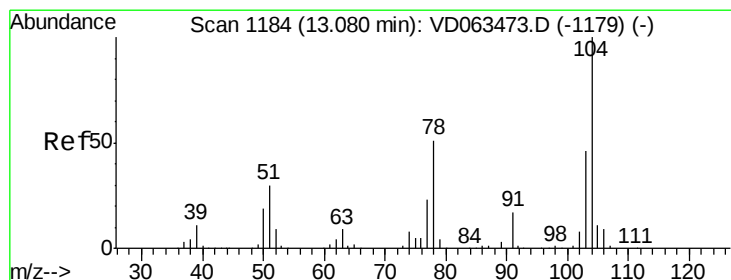
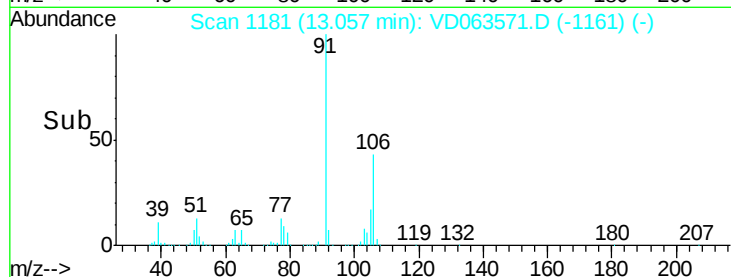
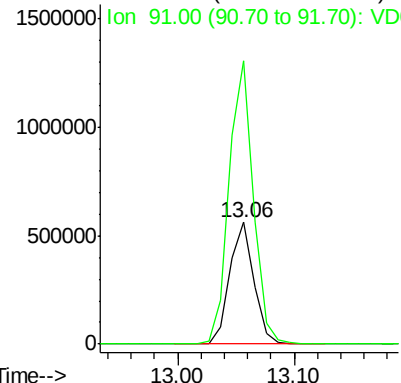
#69
o-Xylene
Concen: 52.985 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

Instrument :
MSVOA_D
ClientSampled :

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

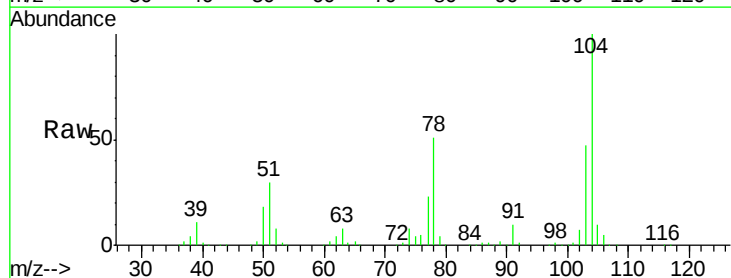


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

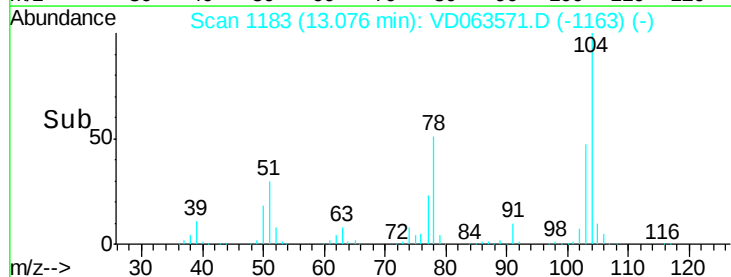
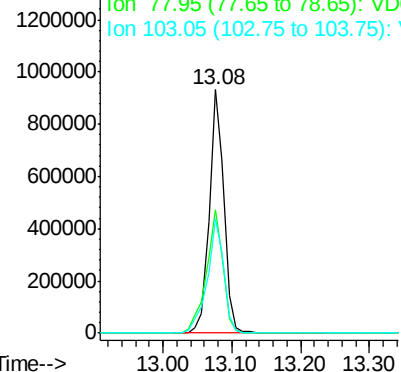


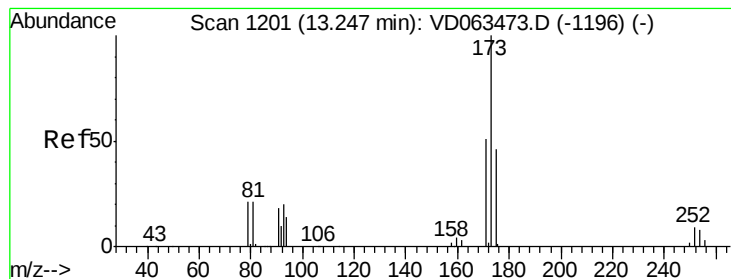
#70
Styrene
Concen: 49.919 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

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



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





#71

Bromoform

Concen: 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 :

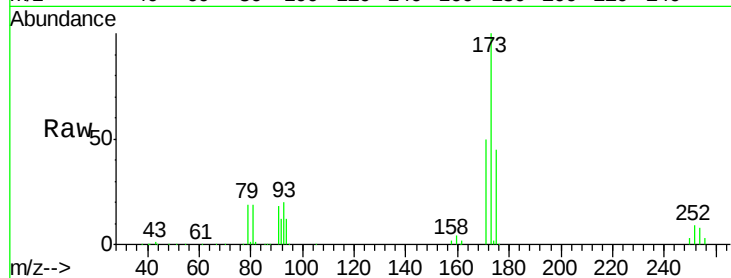
Tot Ion:173 Resp: 468946

Ion Ratio Lower Upper

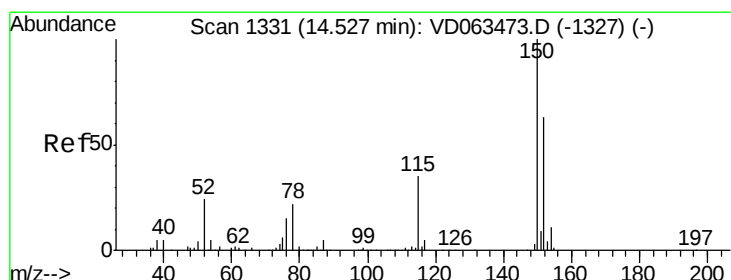
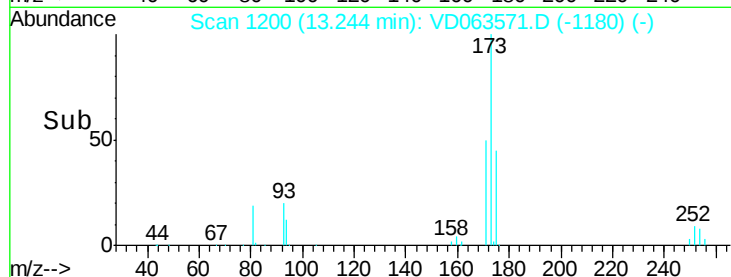
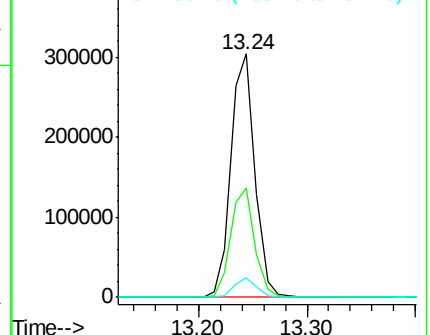
173 100

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

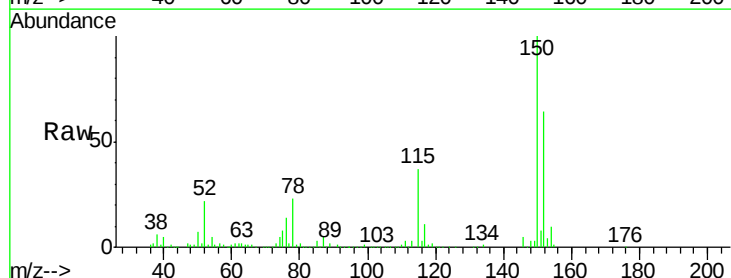
Tgt Ion:152 Resp: 754439

Ion Ratio Lower Upper

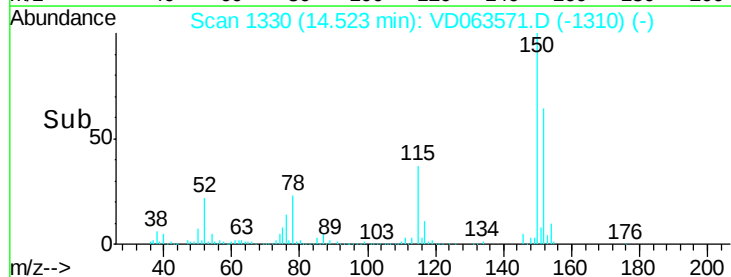
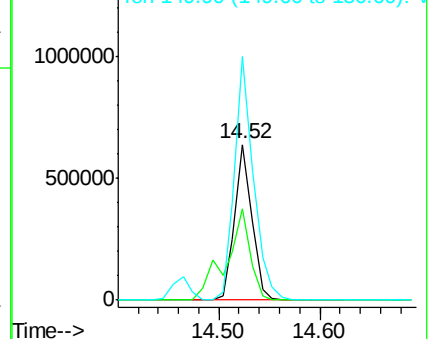
152 100

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

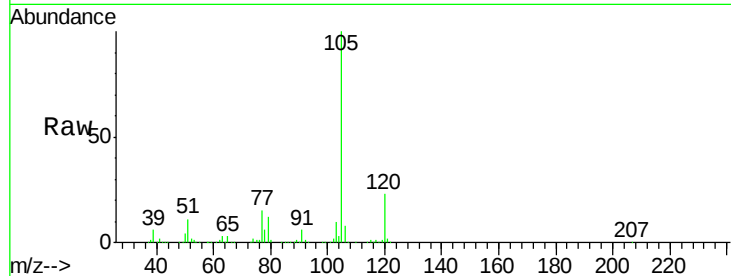
ClientSampleId :

Tot Ion:105 Resp: 2271875

Ion Ratio Lower Upper

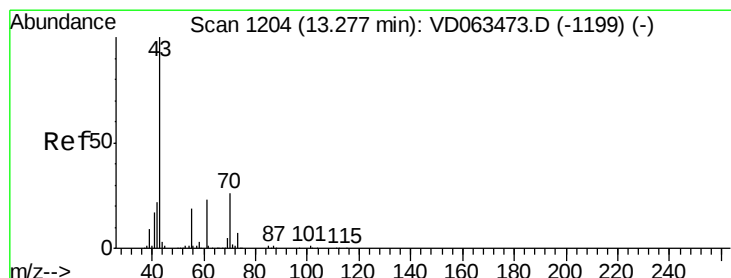
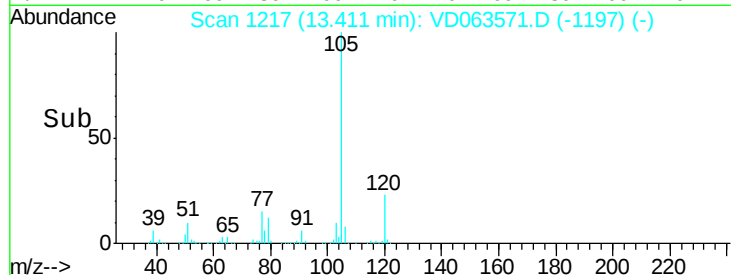
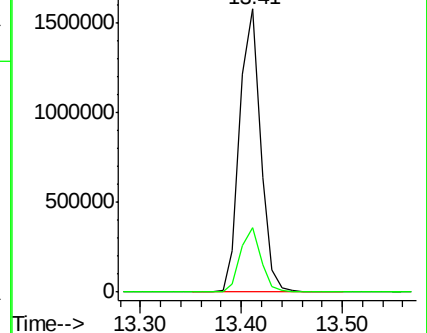
105 100

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

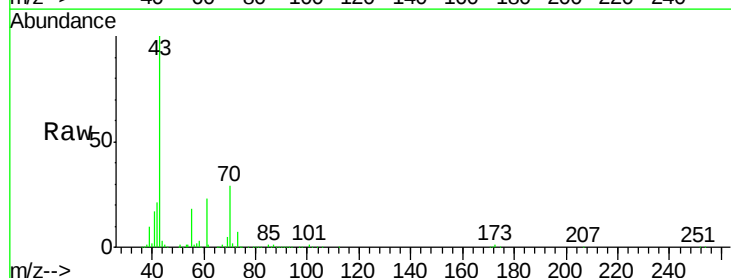
Ion Ratio Lower Upper

43 100

70 29.2 21.1 31.7

55 18.1 15.4 23.0

61 22.9 18.2 27.2

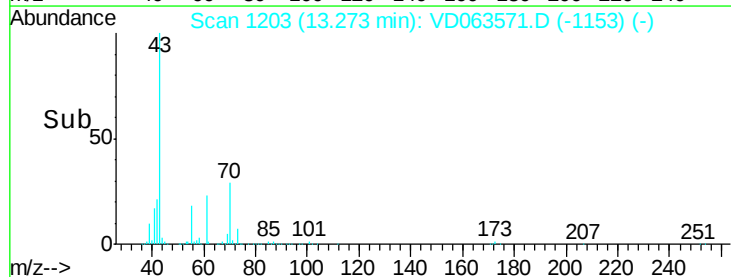
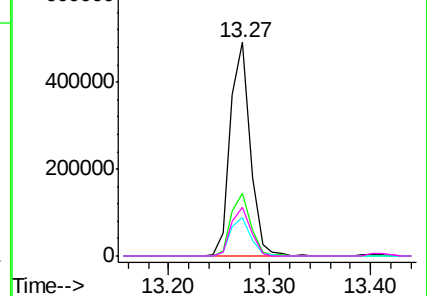


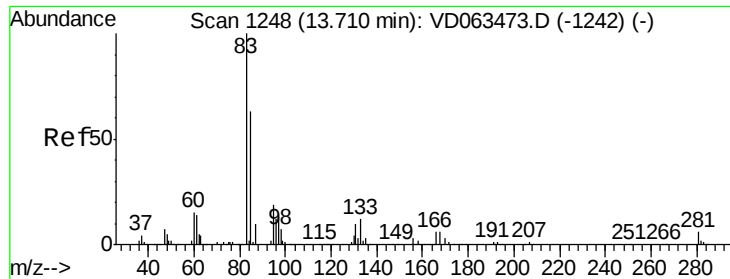
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 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 :

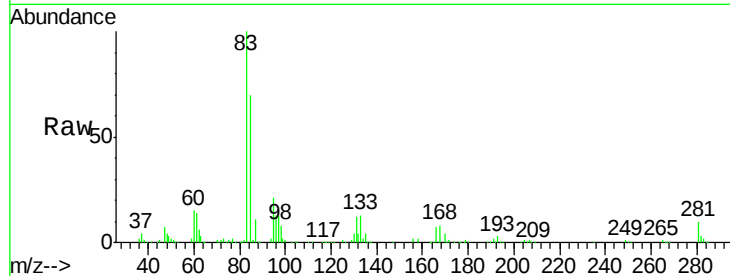
Tot Ion: 83 Resp: 460616

Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.3	15.8
85	69.9	31.4	94.3

83 100

131 12.2 5.3 15.8

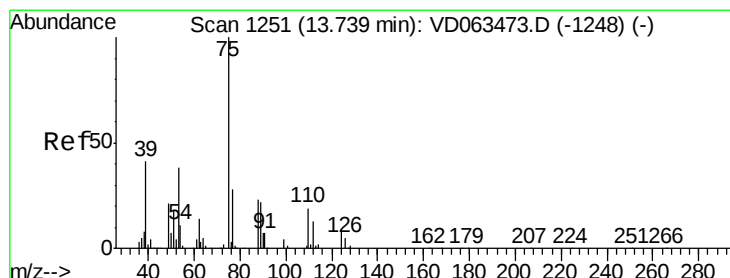
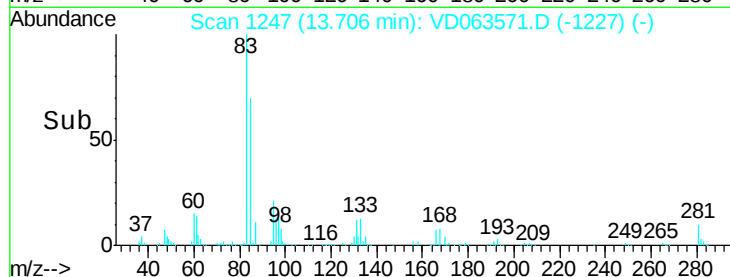
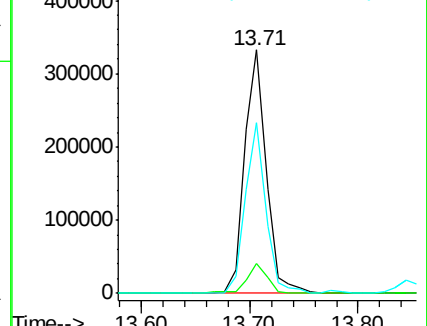
85 69.9 31.4 94.3



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

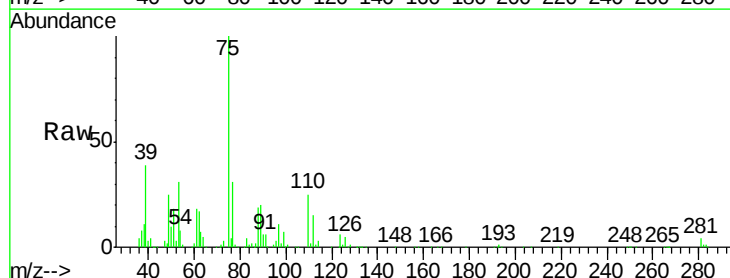
Acq: 14 Aug 2019 13:07

Tgt Ion: 75 Resp: 500299

Ion	Ratio	Lower	Upper
75	100		
77	31.2	15.1	45.3

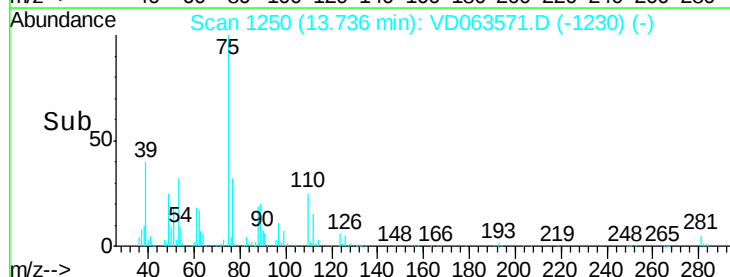
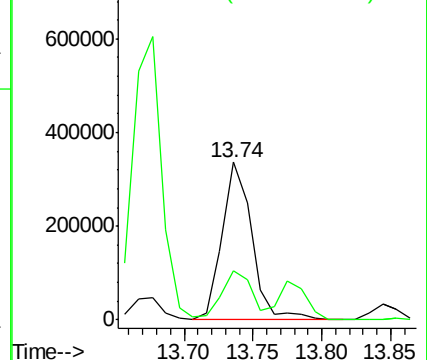
75 100

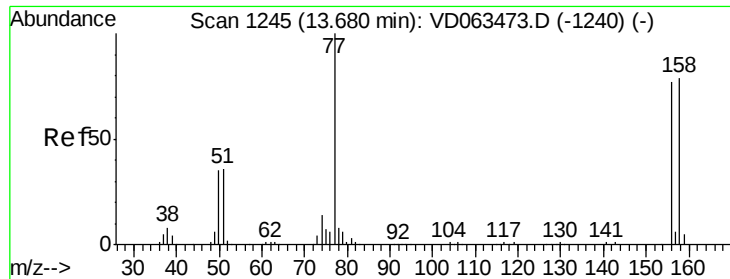
77 31.2 15.1 45.3



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 :

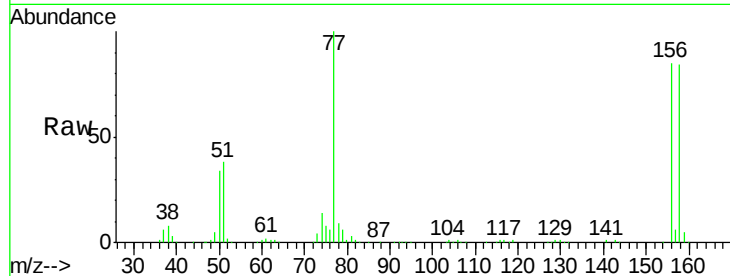
Tot Ion:156 Resp: 696133

Ion Ratio Lower Upper

156 100

77 117.3 64.6 193.8

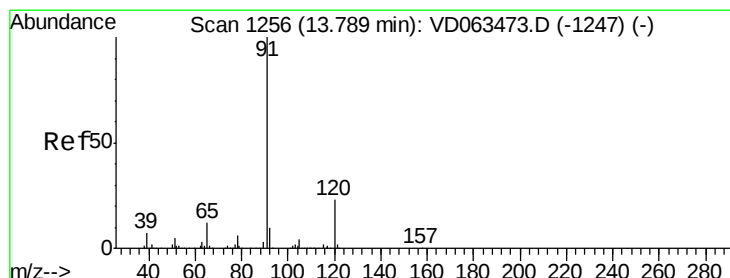
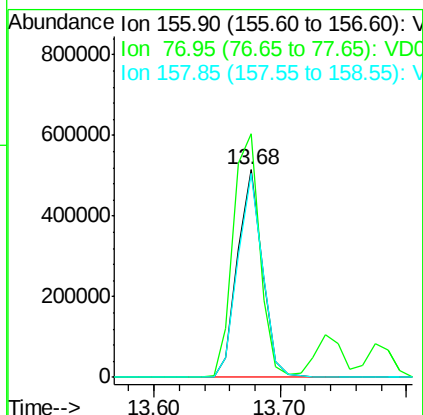
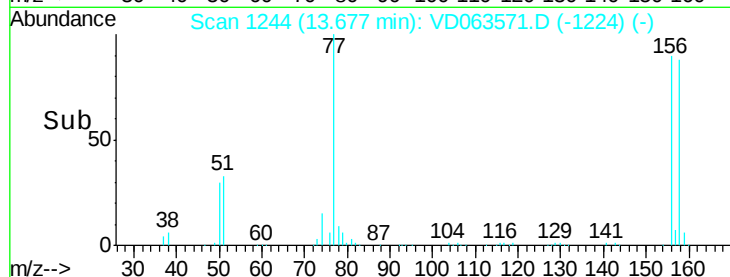
158 98.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

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

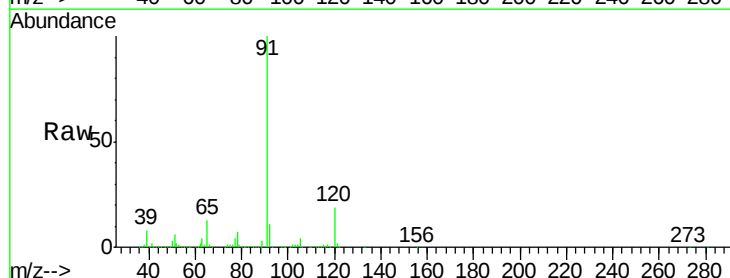
Acq: 14 Aug 2019 13:07

Tgt Ion: 91 Resp: 2921326

Ion Ratio Lower Upper

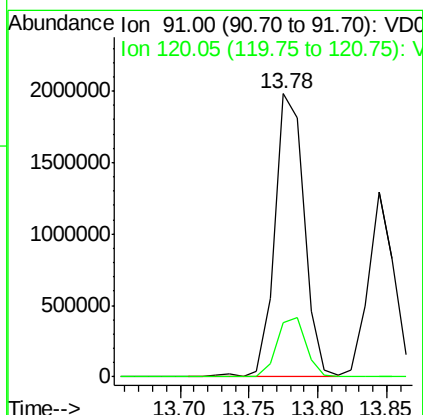
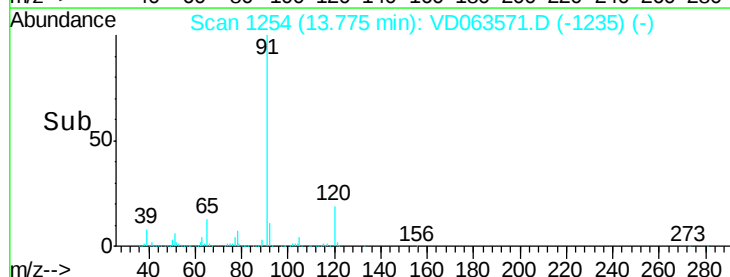
91 100

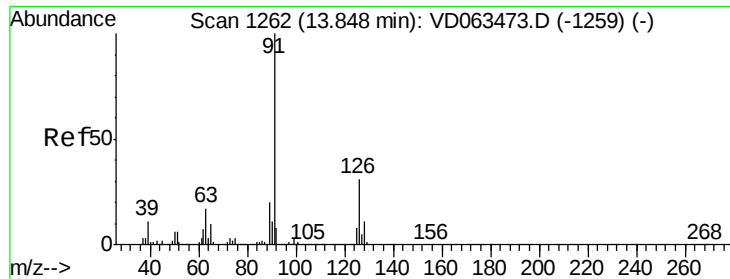
120 19.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

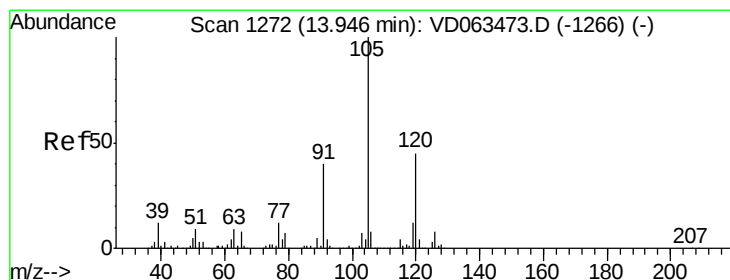
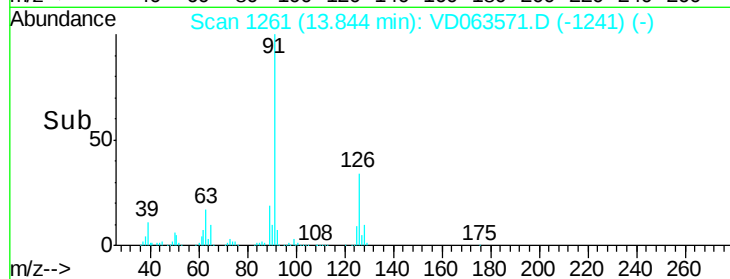
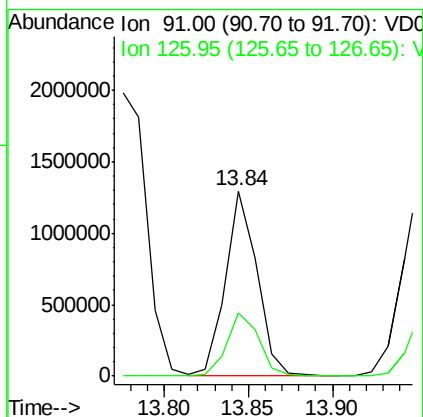
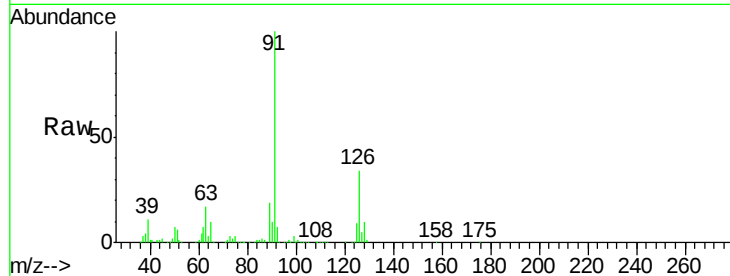




#79
 2-Chlorotoluene
 Concen: 52.156 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

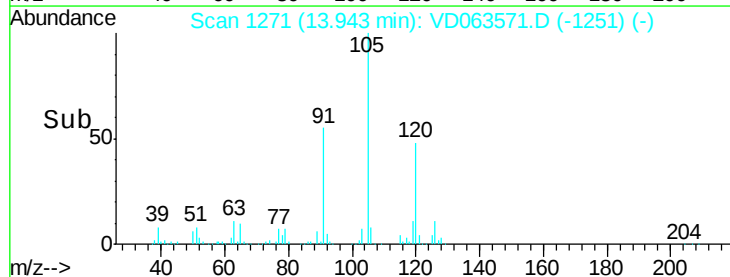
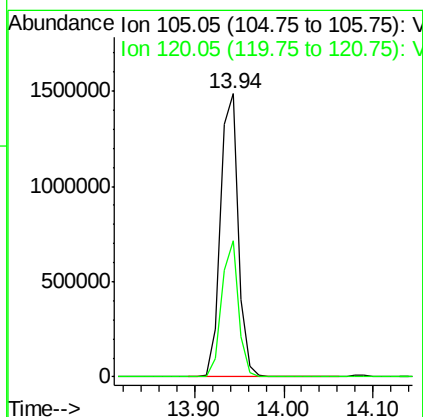
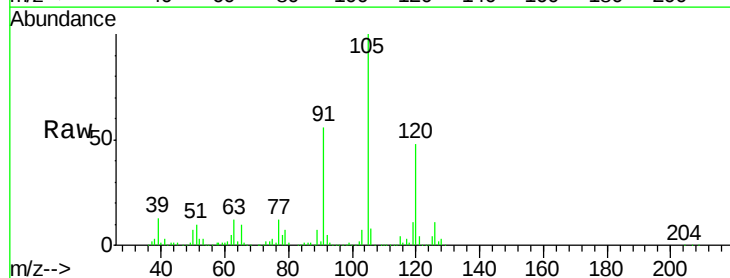
Instrument :
 MSVOA_D
 ClientSampleId :

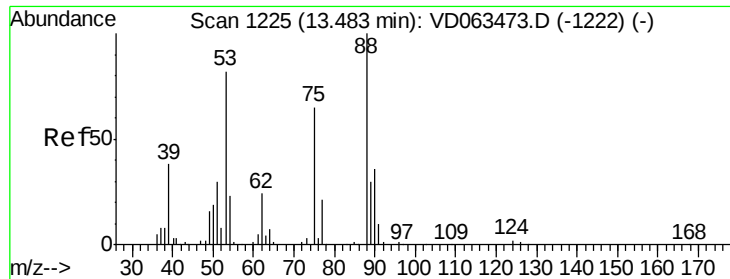
Tot Ion: 91 Resp: 1688434
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.6 46.7



#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





#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 :

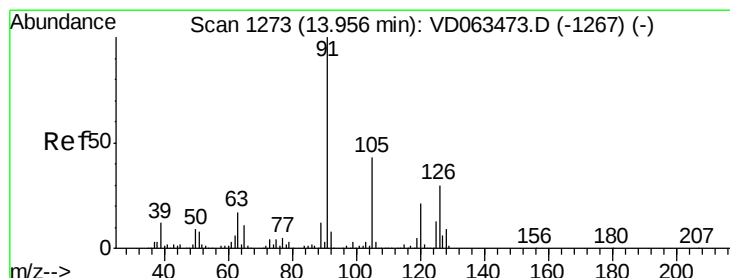
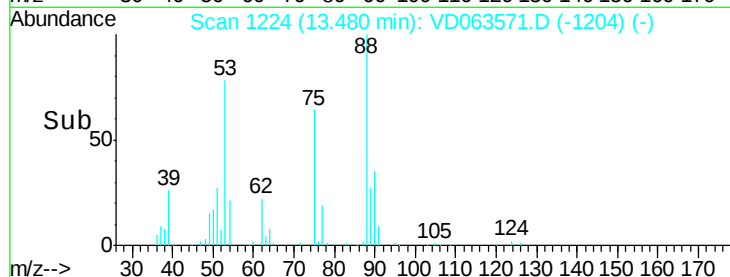
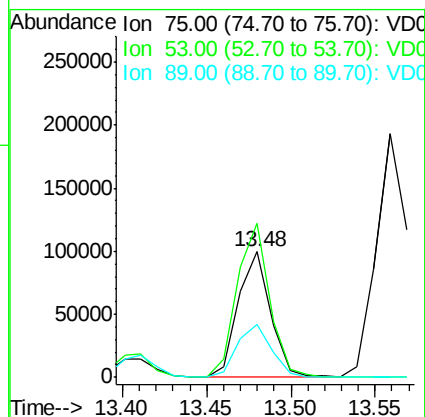
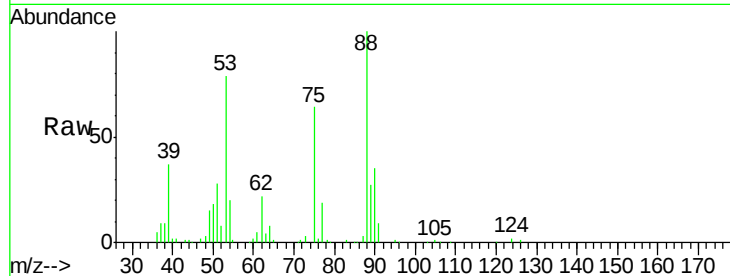
Tot Ion: 75 Resp: 132963

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

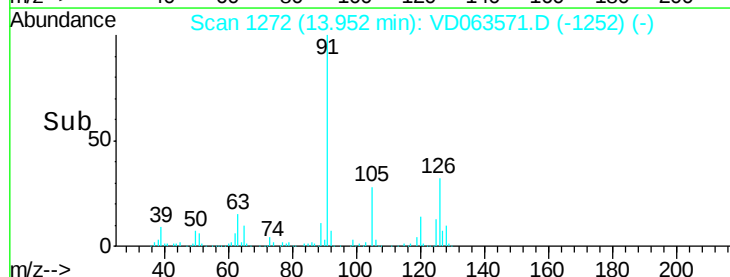
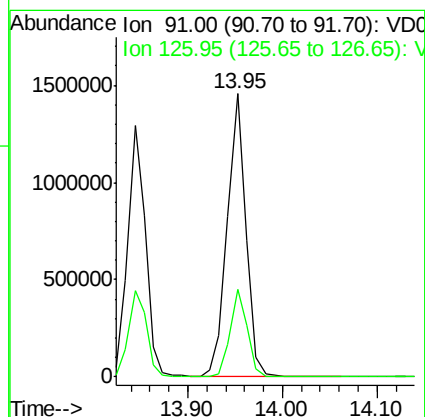
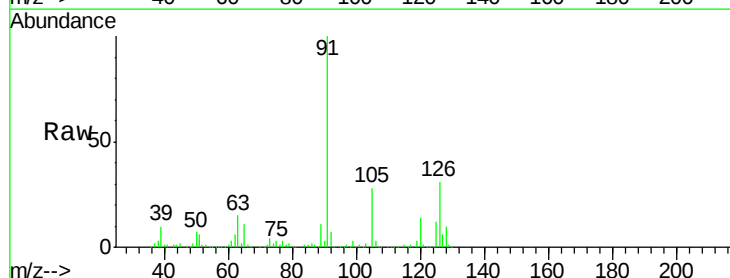
Acq: 14 Aug 2019 13:07

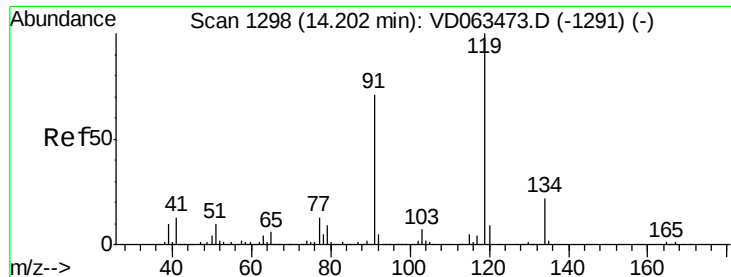
Tgt Ion: 91 Resp: 1977225

Ion Ratio Lower Upper

91 100

126 30.9 15.2 45.6

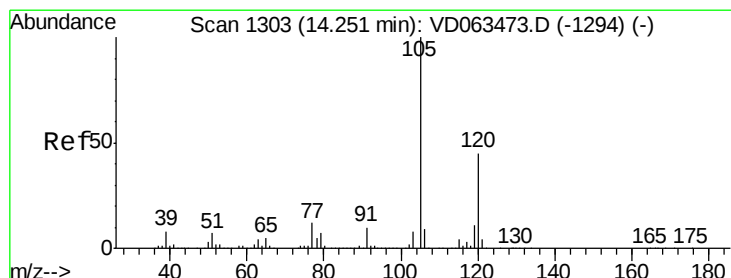
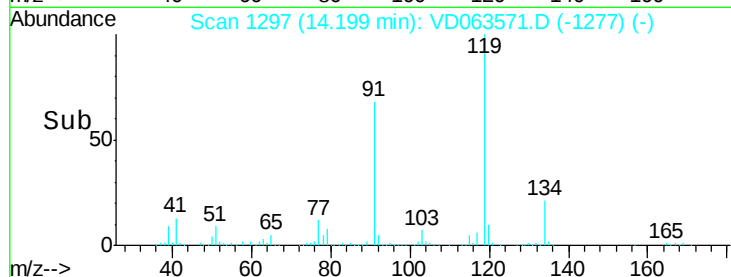
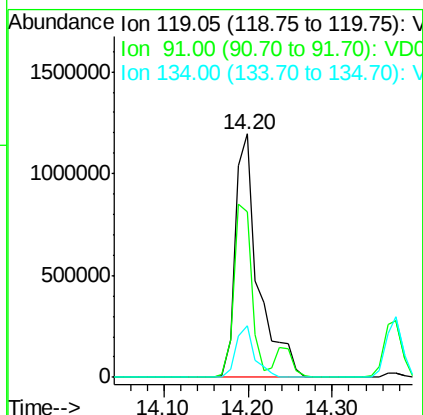
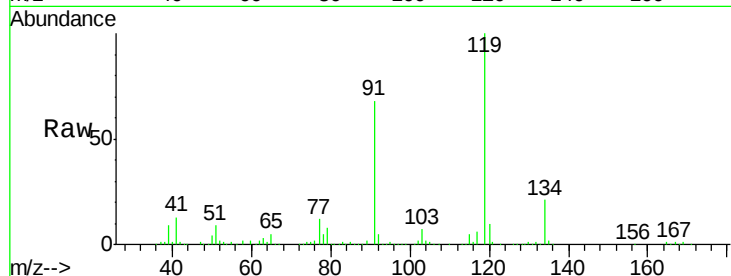




#83
tert-Butylbenzene
Concen: 51.253 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD063571.D
Acq: 14 Aug 2019 13:07

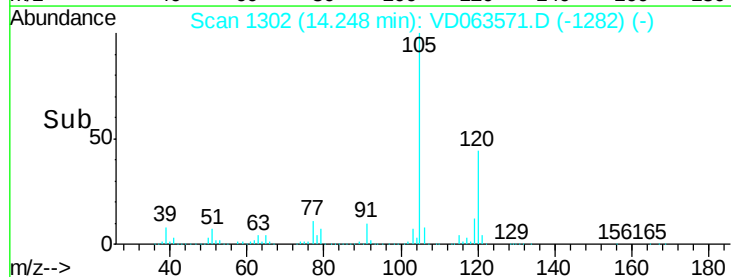
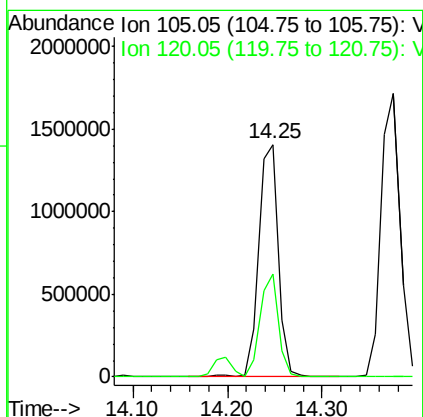
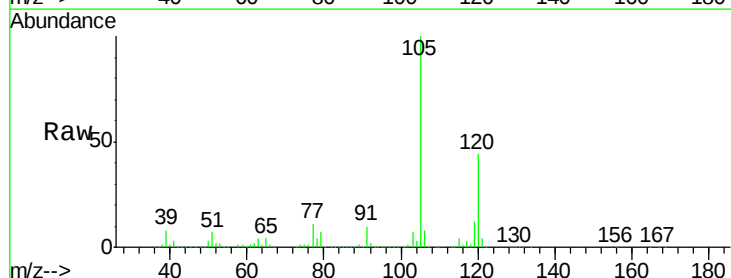
Instrument :
MSVOA_D
ClientSampleId :

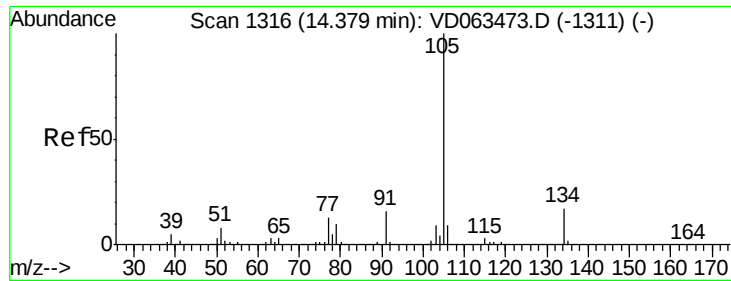
Tot Ion:119 Resp: 2262901
Ion Ratio Lower Upper
119 100
91 68.0 35.5 106.7
134 21.1 11.1 33.1



#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

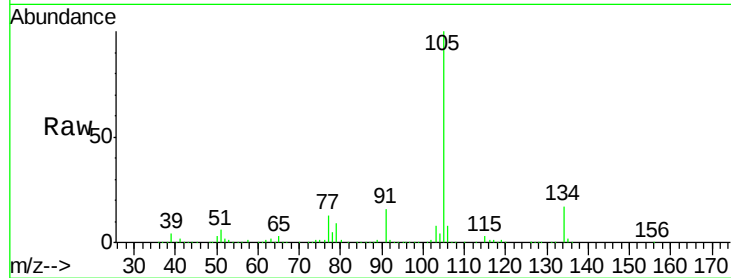
ClientSampleId :

Tot Ion:105 Resp: 2410663

Ion Ratio Lower Upper

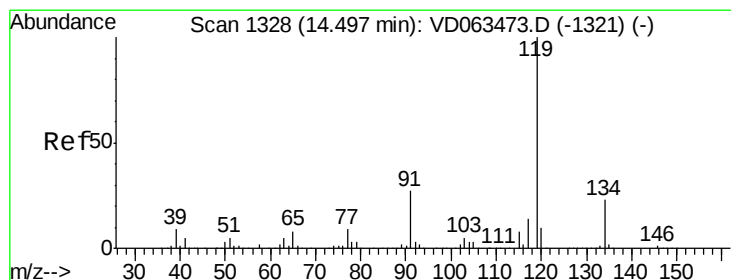
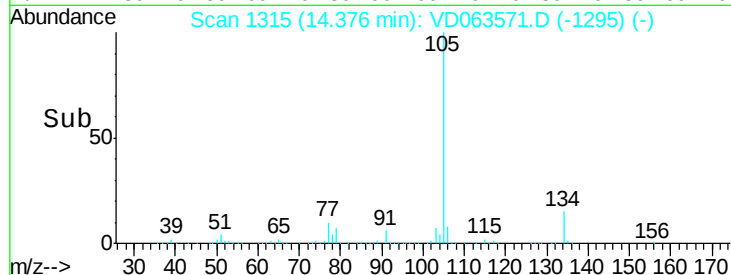
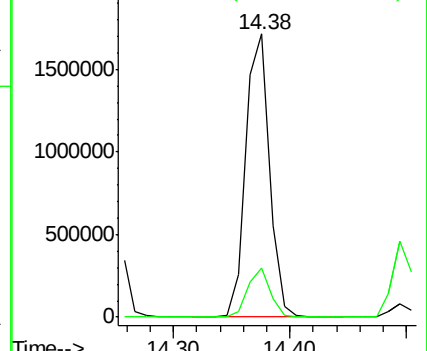
105 100

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

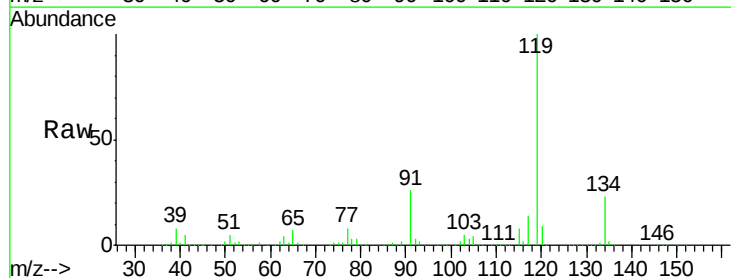
Tgt Ion:119 Resp: 2406624

Ion Ratio Lower Upper

119 100

134 22.7 11.3 33.8

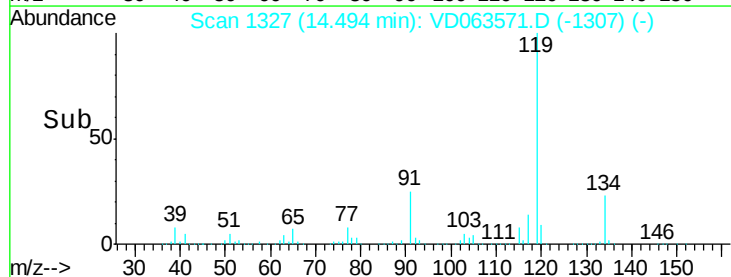
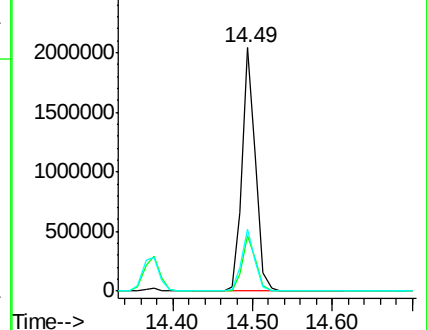
91 25.6 13.5 40.4

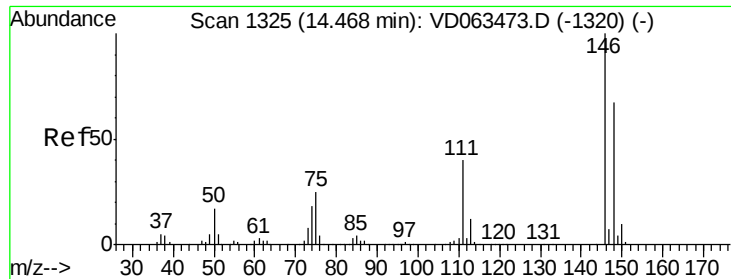


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

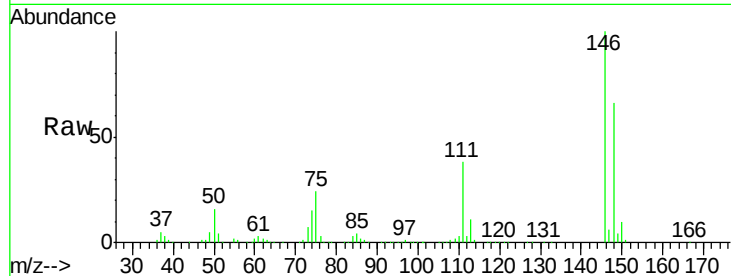




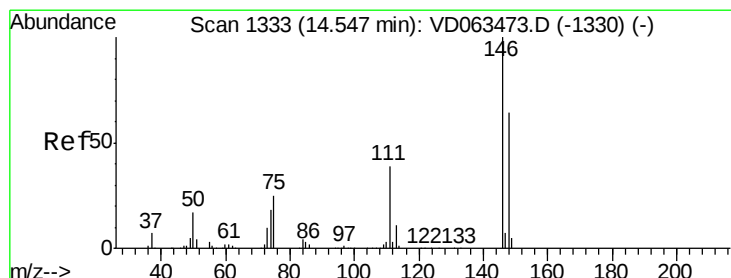
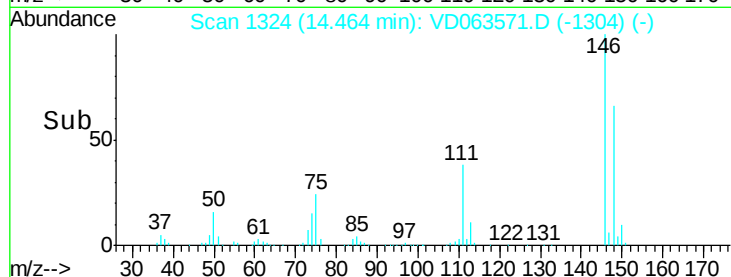
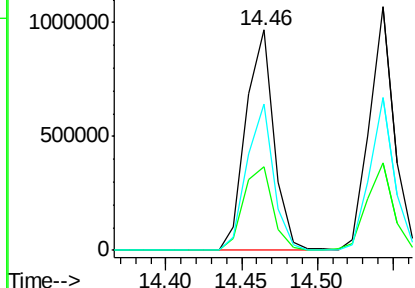
#87
 1,3-Dichlorobenzene
 Concen: 52.603 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleID :

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

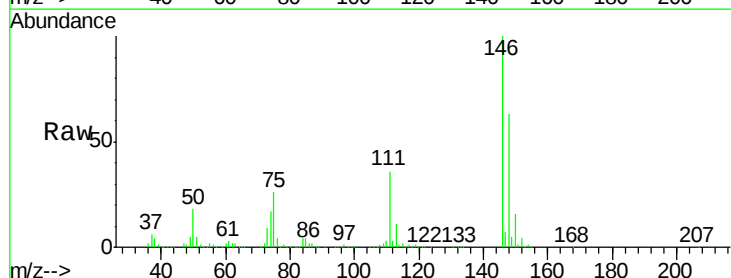


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

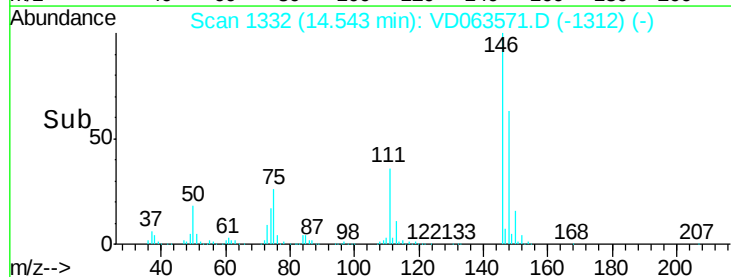
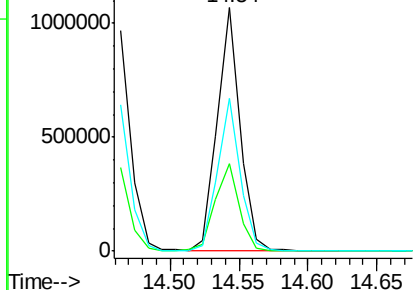


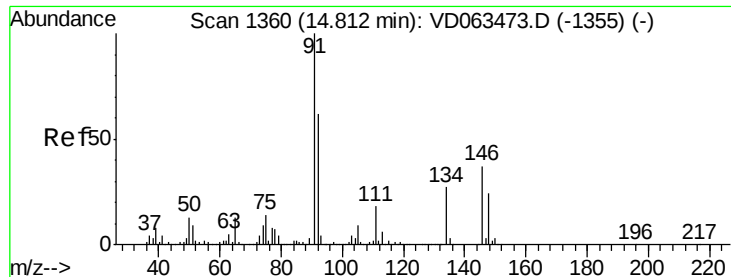
#88
 1,4-Dichlorobenzene
 Concen: 53.498 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

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



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





#89

n-Butylbenzene

Concen: 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

ClientSampled :

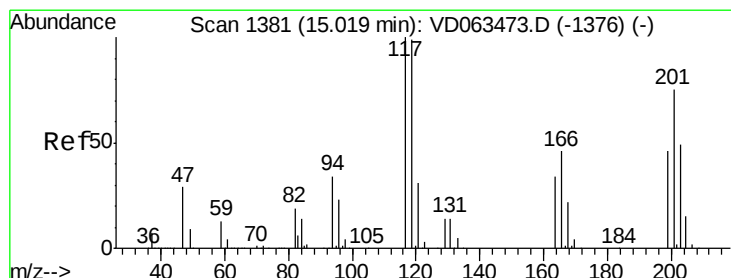
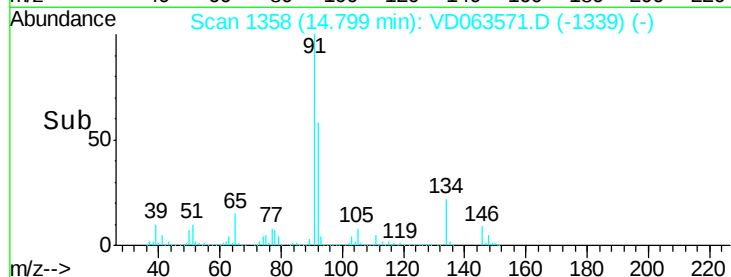
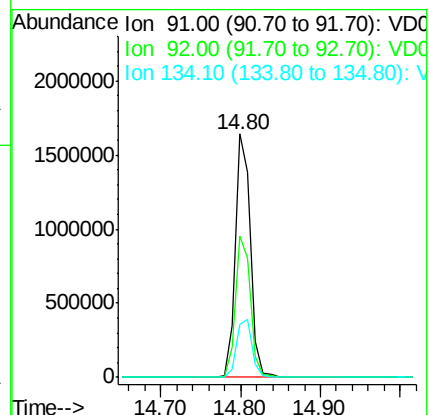
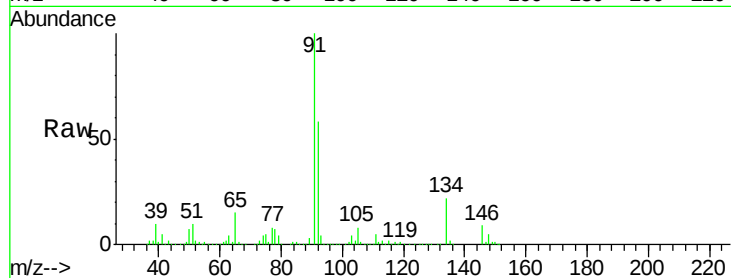
Tot Ion: 91 Resp: 2178411

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

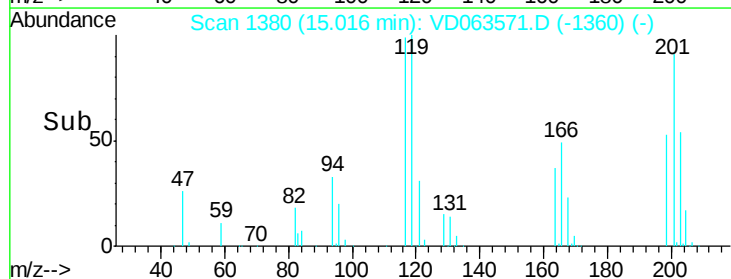
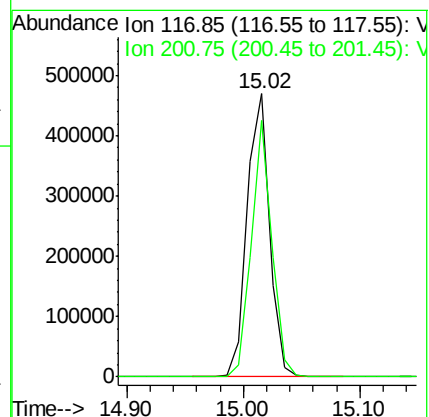
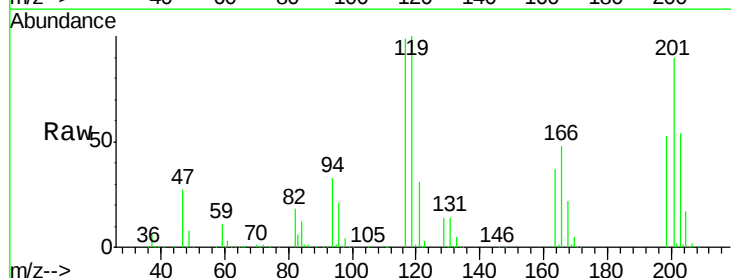
Acq: 14 Aug 2019 13:07

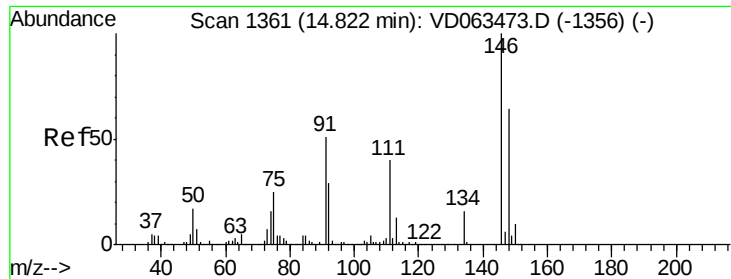
Tgt Ion: 117 Resp: 629753

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

ClientSampled :

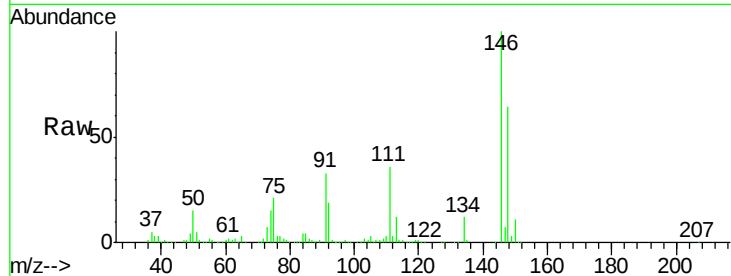
Tot Ion:146 Resp: 1092208

Ion Ratio Lower Upper

146 100

111 36.3 20.2 60.6

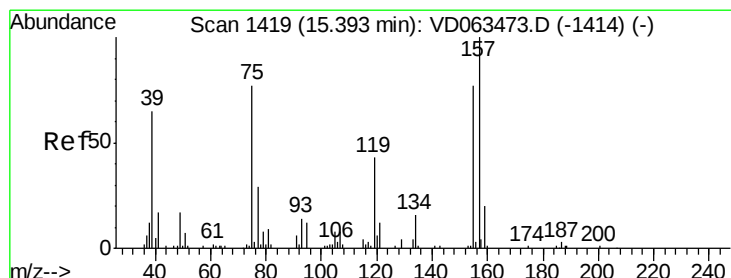
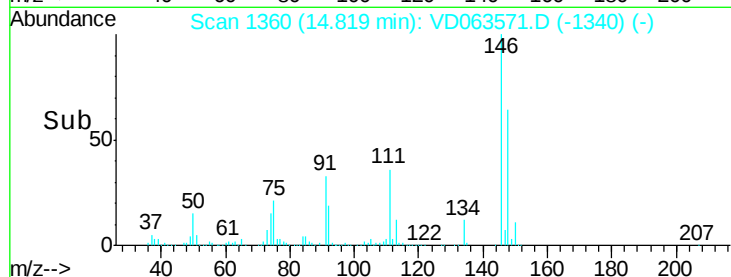
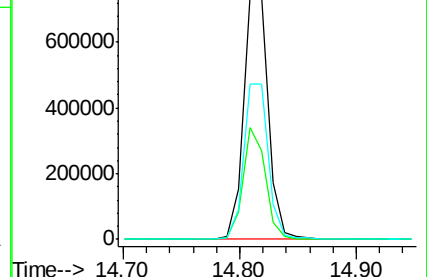
148 63.8 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

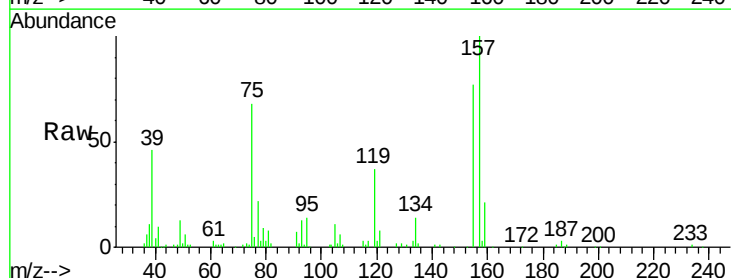
Tgt Ion: 75 Resp: 91407

Ion Ratio Lower Upper

75 100

155 111.8 50.1 150.3

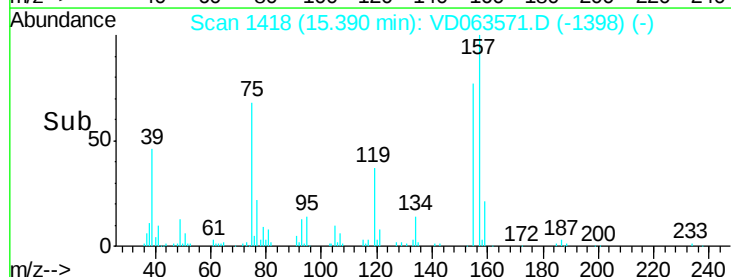
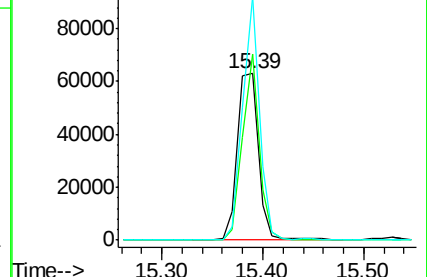
157 146.2 65.0 195.1

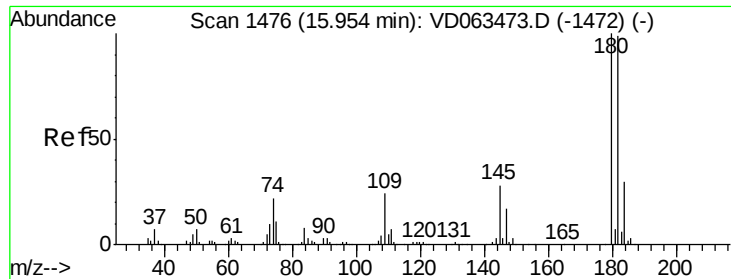


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

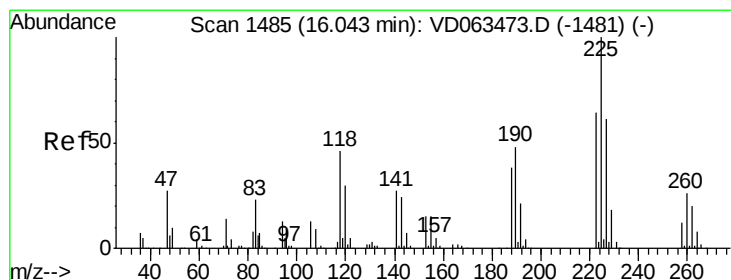
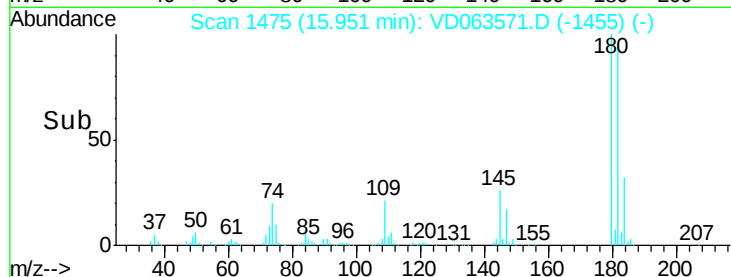
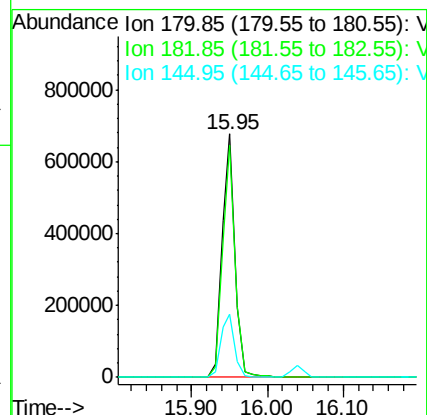
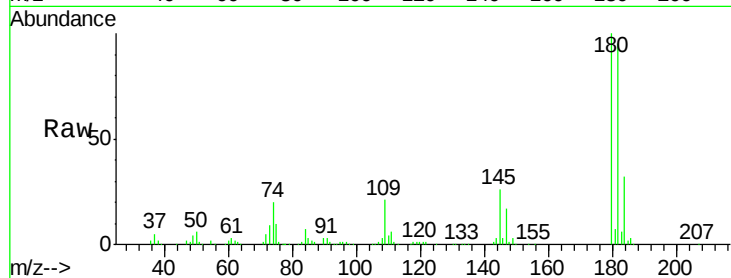




#93
 1,2,4-Trichlorobenzene
 Concen: 55.617 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063571.D
 Acq: 14 Aug 2019 13:07

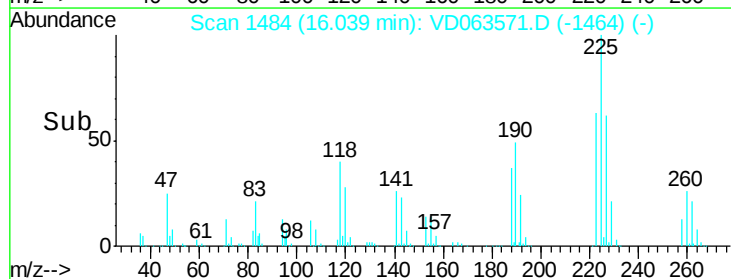
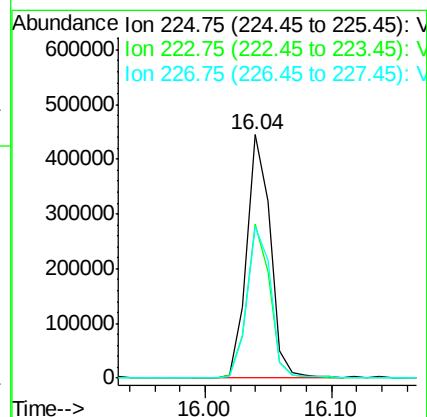
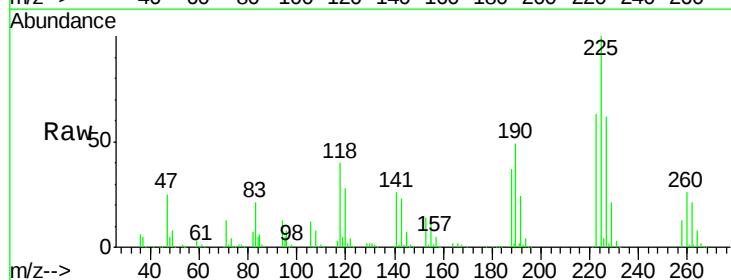
Instrument :
 MSVOA_D
 ClientSampleId :

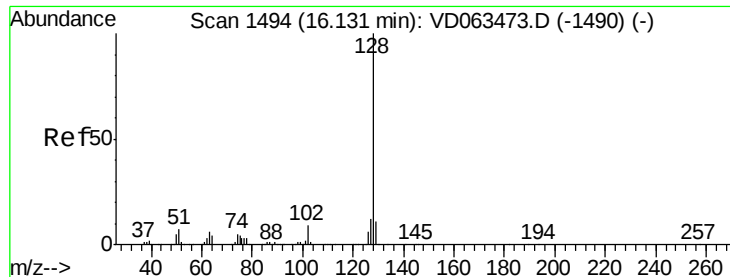
Tot Ion:180 Resp: 823670
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.7 149.1
 145 25.8 14.1 42.2



#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

ClientSampled :

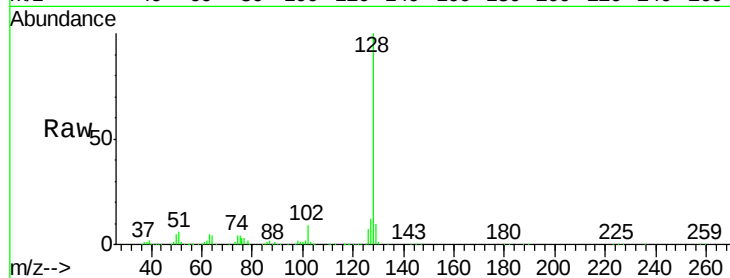
Tot Ion:128 Resp: 1234245

Ion Ratio Lower Upper

128 100

127 11.8 9.4 14.0

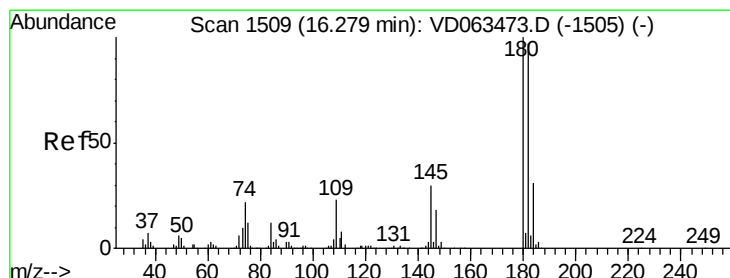
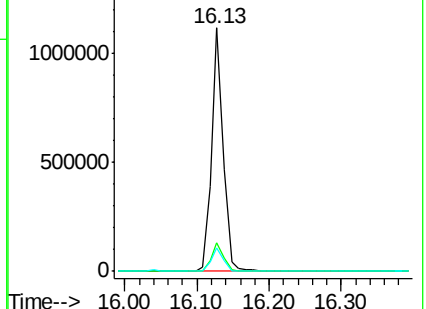
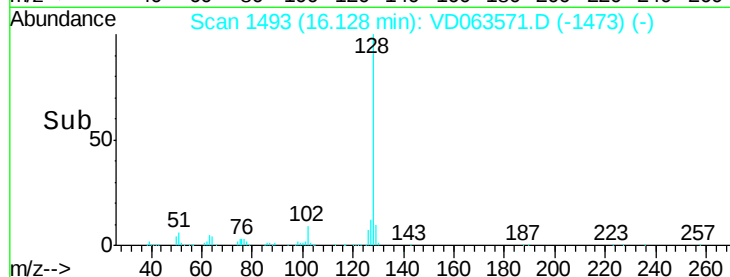
129 9.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

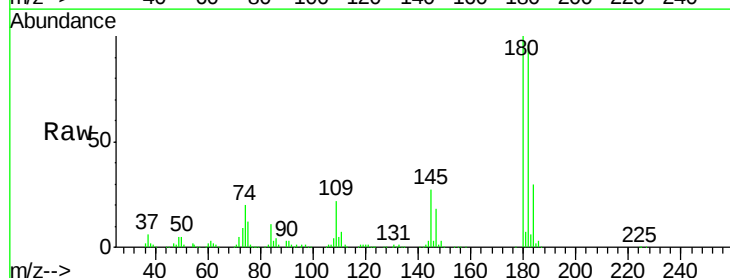
Tgt Ion:180 Resp: 668720

Ion Ratio Lower Upper

180 100

182 95.6 48.4 145.2

145 27.4 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

