

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063653.D
 Acq On : 19 Aug 2019 13:14
 Operator : JC/SY
 Sample : VD0819SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Quant Time: Aug 20 08:13:29 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	1135265	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1529426	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1214693	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	695525	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	569918	46.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	6.92	113	646321	50.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.40	98	1460568	51.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	13.55	95	620279	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	272520	19.842	ug/l	95
3) Chloromethane	1.74	50	214221	19.963	ug/l	95
4) Vinyl Chloride	1.85	62	224947	21.116	ug/l	95
5) Bromomethane	2.14	94	104111	20.712	ug/l	99
6) Chloroethane	2.25	64	103052	21.154	ug/l #	88
7) Trichlorofluoromethane	2.53	101	406890	19.473	ug/l	95
8) Diethyl Ether	2.87	74	53616	18.173	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	256863	20.818	ug/l	97
10) Methyl Iodide	3.29	142	327337	18.750	ug/l #	96
11) Tert butyl alcohol	4.08	59	53085	100.489	ug/l #	82
12) 1,1-Dichloroethene	3.13	96	187217	20.409	ug/l	98
13) Acrolein	3.04	56	33928	65.249	ug/l #	62
14) Allyl chloride	3.61	41	298907	21.675	ug/l	95
15) Acrylonitrile	4.19	53	134675	96.248	ug/l	98
16) Acetone	3.22	43	218958	88.761	ug/l #	92
17) Carbon Disulfide	3.36	76	562874	19.442	ug/l	97
18) Methyl Acetate	3.64	43	93193	19.945	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	373205	20.343	ug/l	98
20) Methylene Chloride	3.81	84	204125	19.136	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	196851	20.392	ug/l	91
22) Diisopropyl ether	5.12	45	568874	19.991	ug/l	98
23) Vinyl Acetate	5.05	43	1631551	98.622	ug/l	100
24) 1,1-Dichloroethane	4.98	63	358588	20.317	ug/l	99
25) 2-Butanone	6.07	43	227871	93.531	ug/l	98
26) 2,2-Dichloropropane	6.01	77	354360	20.157	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	214840	20.342	ug/l	96
28) Bromochloromethane	6.44	49	127715	17.854	ug/l	95
29) Tetrahydrofuran	6.46	42	106219	93.563	ug/l	96
30) Chloroform	6.66	83	425957	19.416	ug/l	99
31) Cyclohexane	6.95	56	226273	20.651	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	445417	21.225	ug/l	97
36) 1,1-Dichloropropene	7.13	75	300913	22.256	ug/l #	90
37) Ethyl Acetate	6.18	43	106342	18.770	ug/l	98
38) Carbon Tetrachloride	7.10	117	446821	21.928	ug/l	96

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 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	8.86	83	230662	20.063	ug/l	98
40) Benzene	7.45	78	640212	21.517	ug/l	96
41) Methacrylonitrile	6.44	41	140236	19.659	ug/l	98
42) 1,2-Dichloroethane	7.58	62	323529	21.625	ug/l	95
43) Isopropyl Acetate	9.24	43	150564	19.843	ug/l #	94
44) Trichloroethene	8.53	130	241196	21.209	ug/l	97
45) 1,2-Dichloropropane	8.94	63	149775	21.616	ug/l #	88
46) Dibromomethane	9.06	93	122945	20.778	ug/l	89
47) Bromodichloromethane	9.38	83	325577	21.450	ug/l	97
48) Methyl methacrylate	9.11	41	103186	20.052	ug/l	95
49) 1,4-Dioxane	9.08	88	16906	383.539	ug/l #	51
51) 4-Methyl-2-Pentanone	10.29	43	512926	98.788	ug/l	98
52) Toluene	10.51	92	399582	20.850	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	262319	21.177	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	295995	21.192	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	136441	21.077	ug/l	94
56) Ethyl methacrylate	11.04	69	145237	20.670	ug/l	98
57) 1,3-Dichloropropane	11.41	76	200918	20.532	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	353886	95.400	ug/l	96
59) 2-Hexanone	11.53	43	401816	106.357	ug/l	96
60) Dibromochloromethane	11.68	129	245272	20.822	ug/l	97
61) 1,2-Dibromoethane	11.80	107	160651	20.499	ug/l	92
64) Tetrachloroethene	11.26	164	217217	23.165	ug/l	91
65) Chlorobenzene	12.40	112	483946	21.257	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.51	131	215615	21.520	ug/l	99
67) Ethyl Benzene	12.52	91	886517	22.395	ug/l	98
68) m/p-Xylenes	12.67	106	652634	46.927	ug/l	98
69) o-Xylene	13.04	106	284020	21.219	ug/l	99
70) Styrene	13.07	104	497775	20.906	ug/l	97
71) Bromoform	13.24	173	149325	21.735	ug/l	95
73) Isopropylbenzene	13.40	105	926975	20.954	ug/l	99
74) N-amyl acetate	13.27	43	215264	19.384	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	144992	19.746	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	168209	21.073	ug/l	99
77) Bromobenzene	13.67	156	250356	20.706	ug/l	88
78) n-propylbenzene	13.77	91	1099004	21.232	ug/l	95
79) 2-Chlorotoluene	13.84	91	611148	20.478	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	817659	21.154	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	41447	19.319	ug/l	88
82) 4-Chlorotoluene	13.95	91	751200	20.932	ug/l	96
83) tert-Butylbenzene	14.18	119	881820	21.664	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	821789	22.978	ug/l	91
85) sec-Butylbenzene	14.37	105	877368	20.297	ug/l	95
86) p-Isopropyltoluene	14.49	119	862481	20.868	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	471335	21.552	ug/l	92
88) 1,4-Dichlorobenzene	14.54	146	458969	21.874	ug/l	95
89) n-Butylbenzene	14.79	91	826232	21.903	ug/l	95
90) Hexachloroethane	15.01	117	226386	21.792	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	406627	21.915	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26754	19.350	ug/l	66

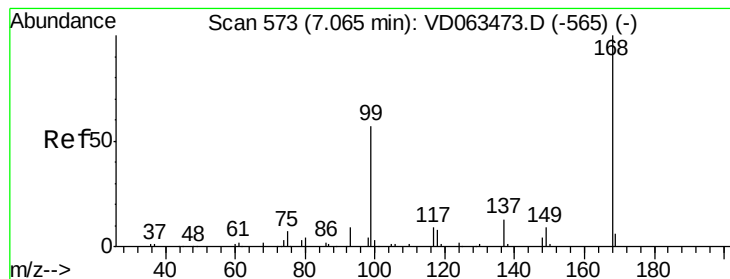
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081919\
Data File : VD063653.D
Acq On : 19 Aug 2019 13:14
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Sample : VD0819SBSD01
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : 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)
93) 1,2,4-Trichlorobenzene	15.94	180	283816	20.787	µg/l	96
94) Hexachlorobutadiene	16.03	225	199852	19.206	µg/l	93
95) Naphthalene	16.12	128	405006	19.574	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	220300	19.977	µg/l	97

(#) = 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. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

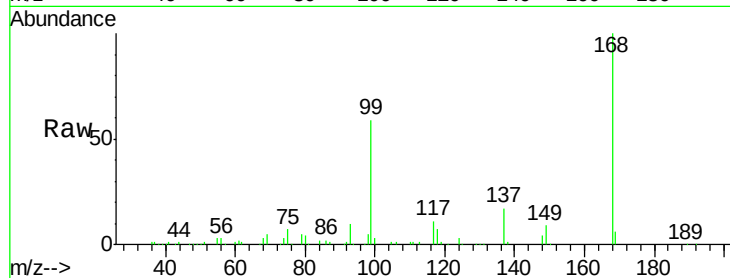
VD0819SBSD01

Tot Ion:168 Resp: 1135265

Ion Ratio Lower Upper

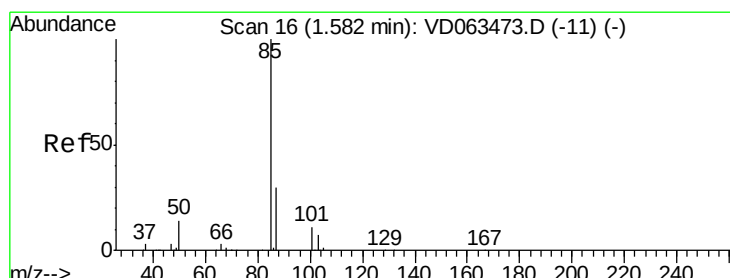
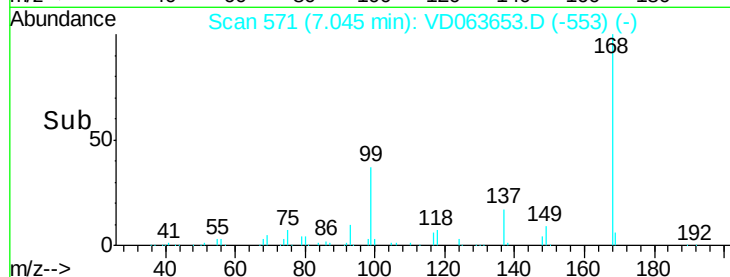
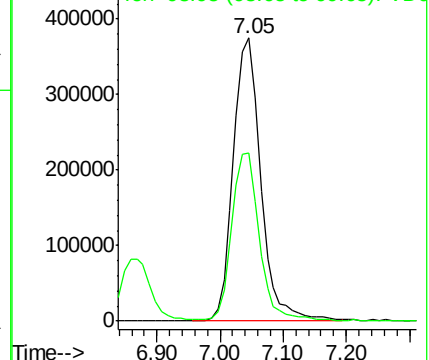
168 100

99 59.2 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: 19.842 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063653.D

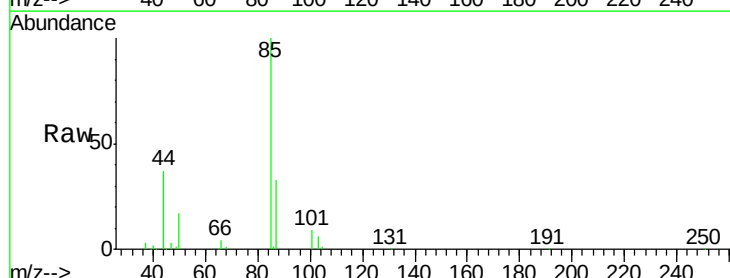
Acq: 19 Aug 2019 13:14

Tgt Ion: 85 Resp: 272520

Ion Ratio Lower Upper

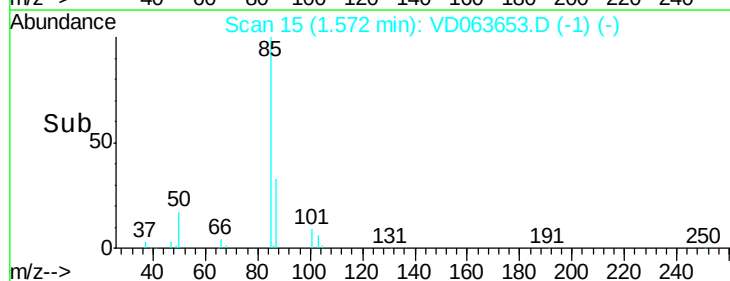
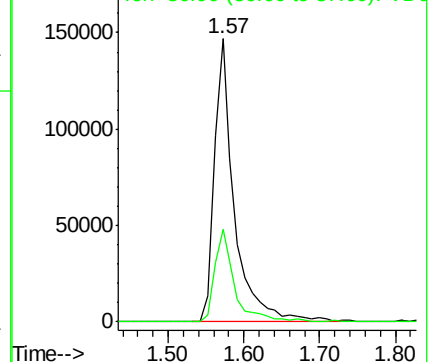
85 100

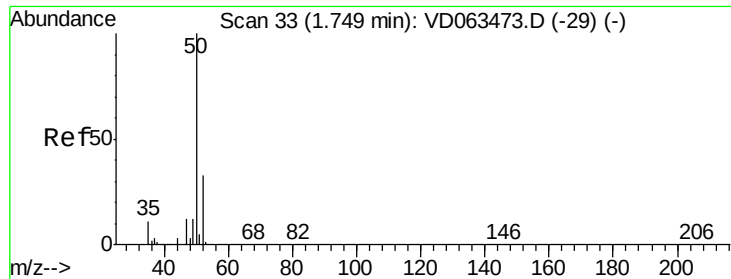
87 32.8 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.963 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

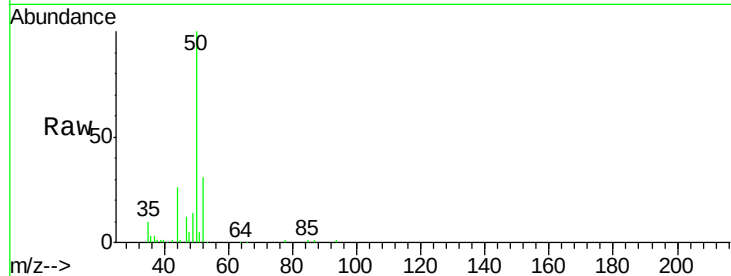
VD0819SBSD01

Tot Ion: 50 Resp: 214221

Ion Ratio Lower Upper

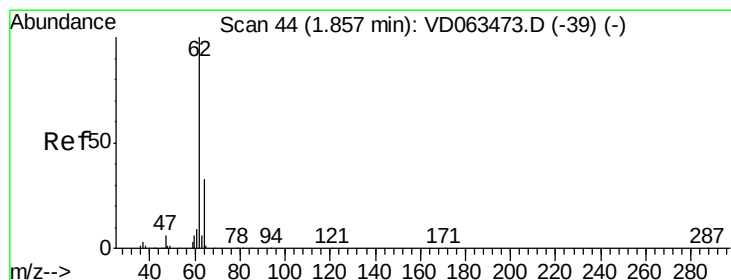
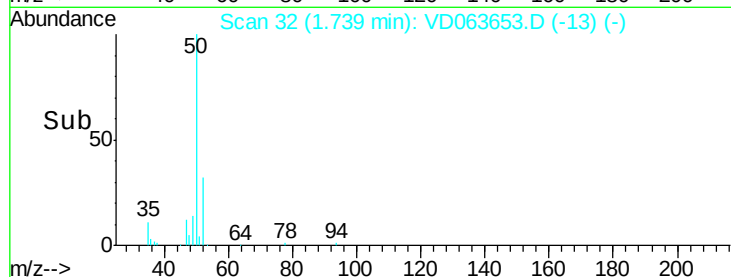
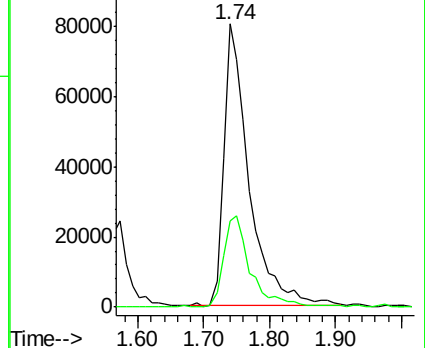
50 100

52 30.7 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: 21.116 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063653.D

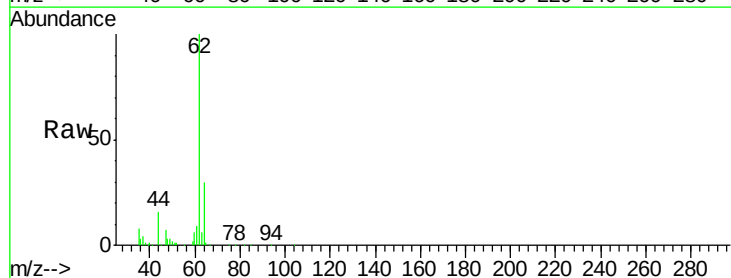
Acq: 19 Aug 2019 13:14

Tgt Ion: 62 Resp: 224947

Ion Ratio Lower Upper

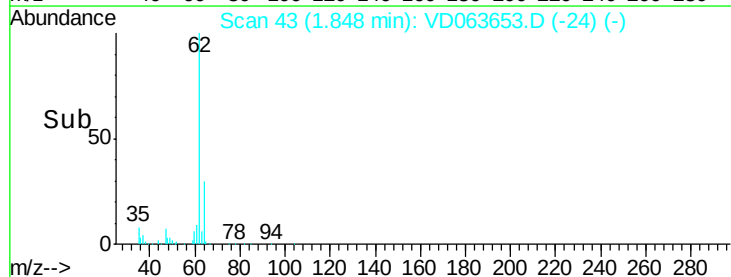
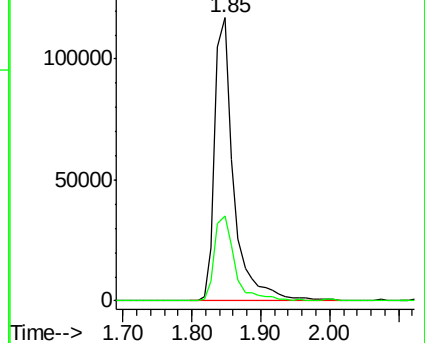
62 100

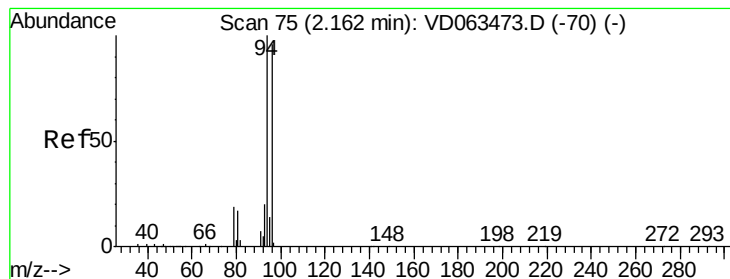
64 29.9 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.712 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

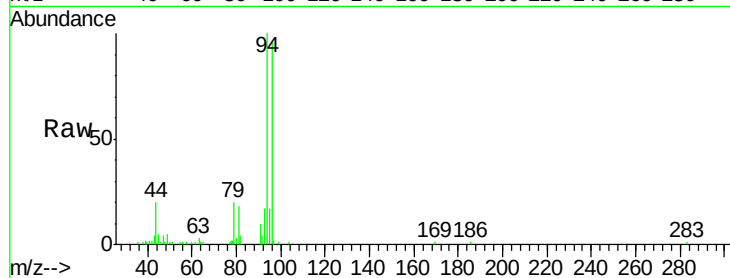
Tot Ion: 94 Resp: 104111

Ion Ratio Lower Upper

94 100

96 95.6 76.5 114.7

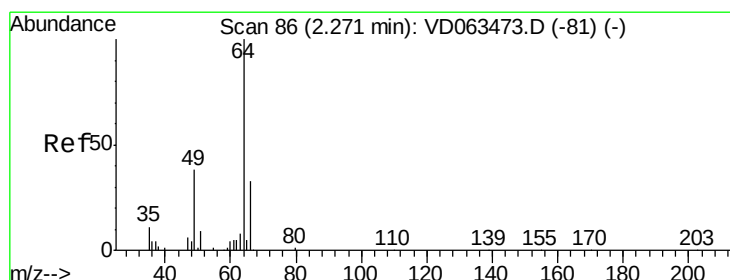
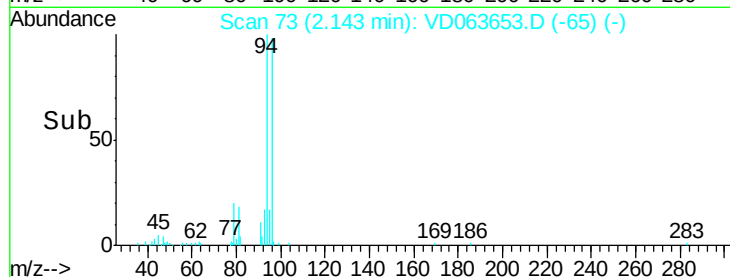
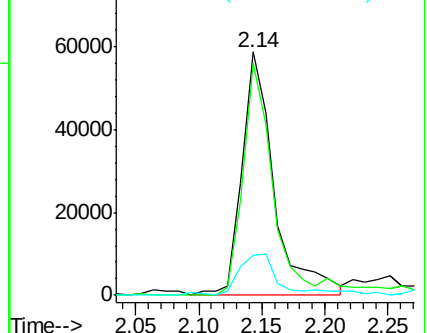
93 16.6 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.154 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063653.D

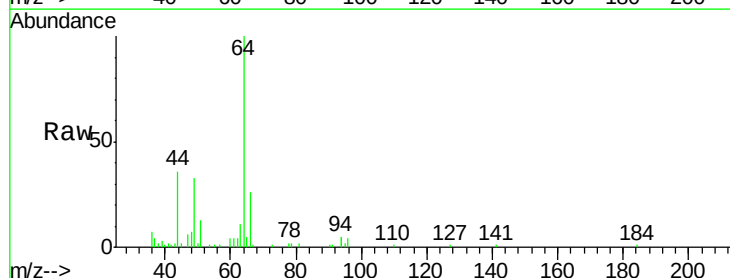
Acq: 19 Aug 2019 13:14

Tgt Ion: 64 Resp: 103052

Ion Ratio Lower Upper

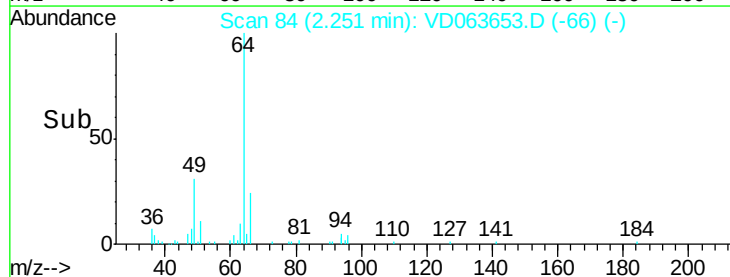
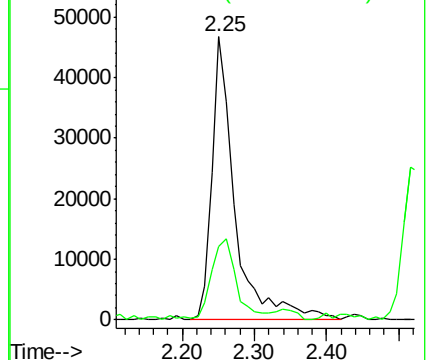
64 100

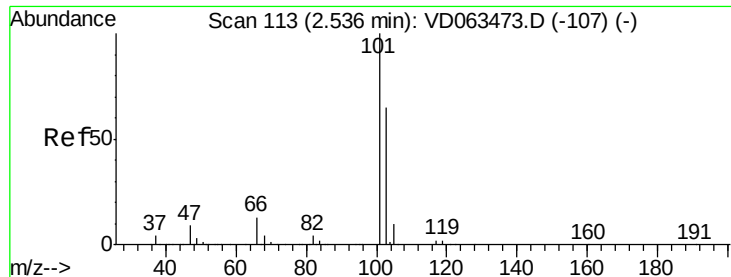
66 25.9 26.3 39.5#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



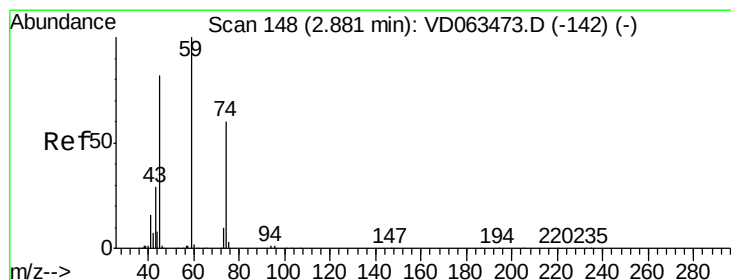
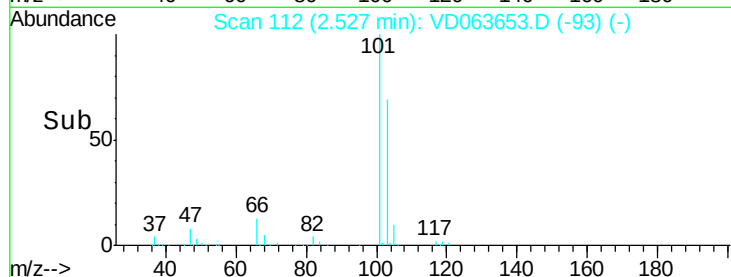
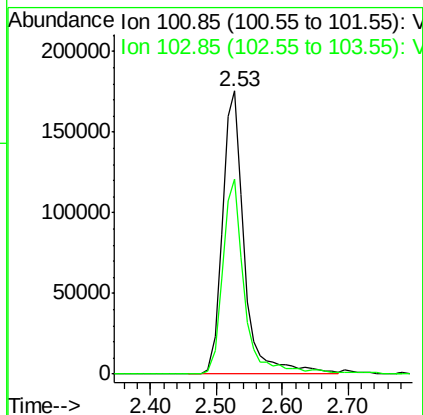
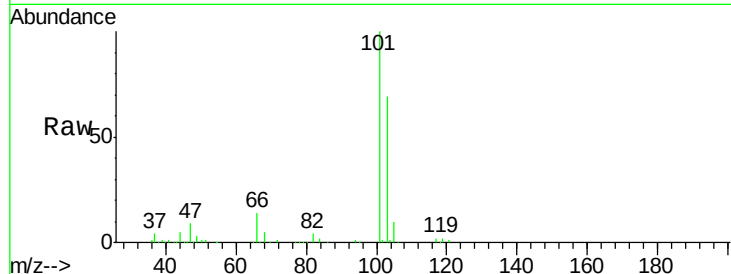


#7

Trichlorofluoromethane
 Concen: 19.473 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

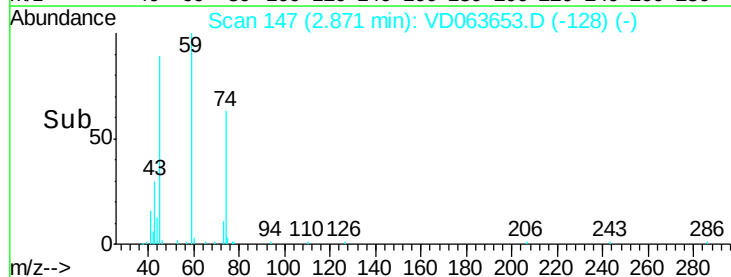
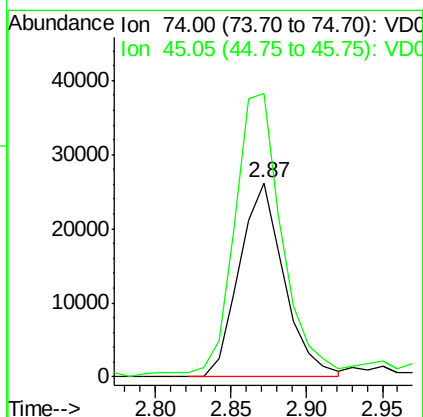
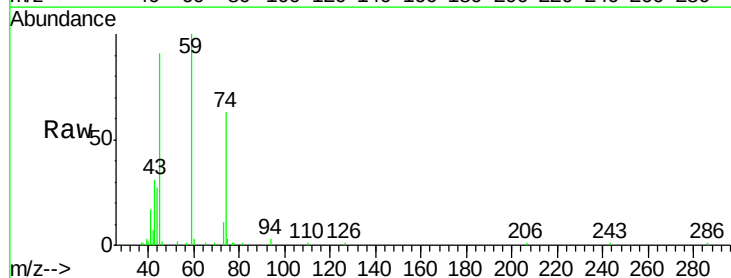
Tot Ion:101 Resp: 406890
 Ion Ratio Lower Upper
 101 100
 103 69.1 52.2 78.4

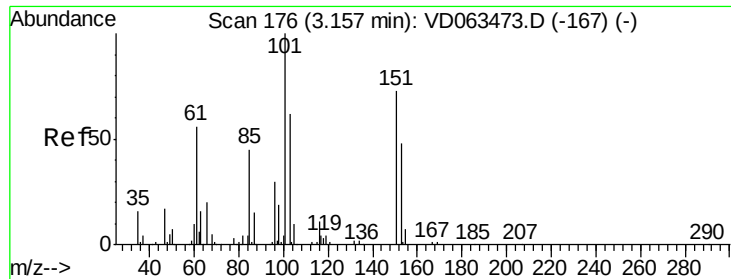


#8

Diethyl Ether
 Concen: 18.173 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion: 74 Resp: 53616
 Ion Ratio Lower Upper
 74 100
 45 145.6 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.818 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

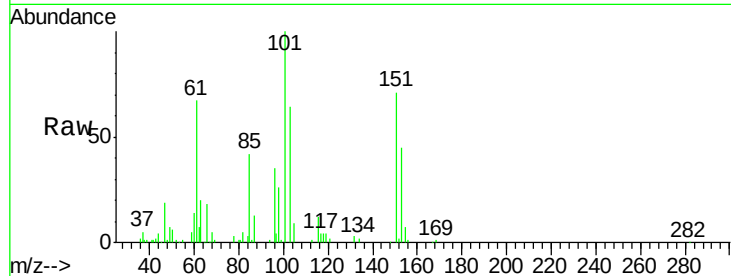
Tot Ion:101 Resp: 256863

Ion Ratio Lower Upper

101 100

85 41.8 35.8 53.6

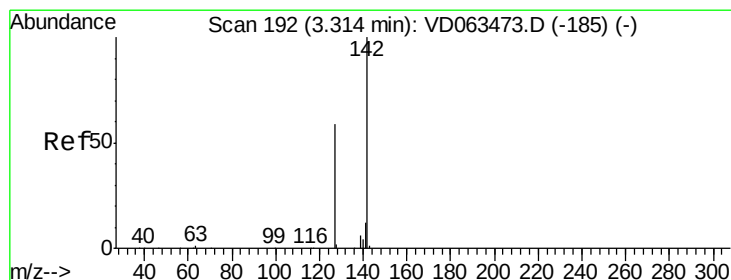
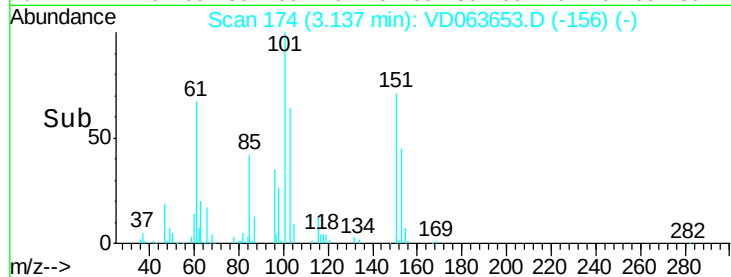
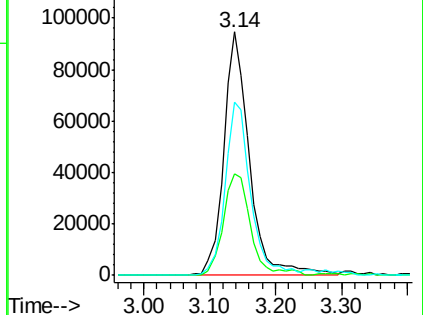
151 71.2 58.6 88.0



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: 18.750 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

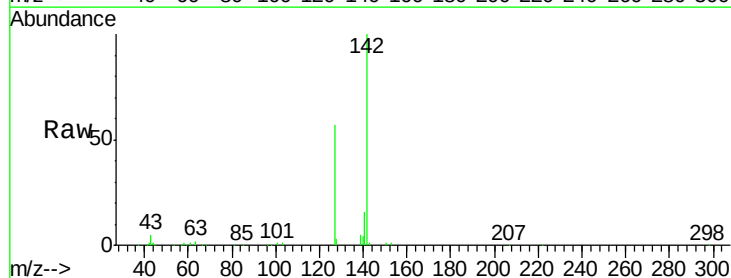
Tgt Ion:142 Resp: 327337

Ion Ratio Lower Upper

142 100

127 56.8 47.2 70.8

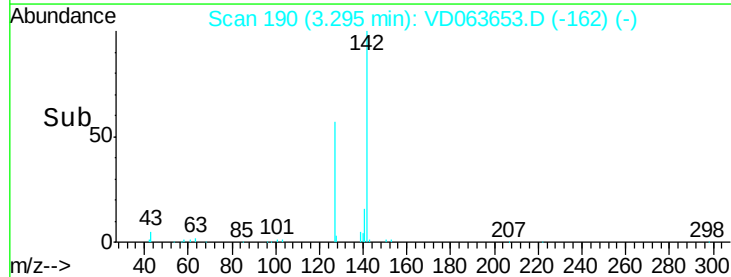
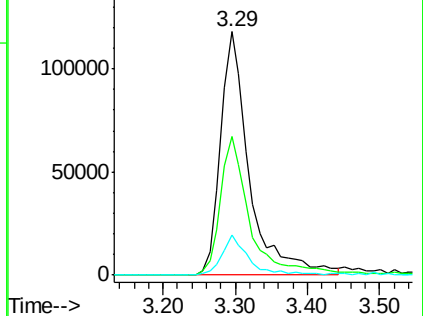
141 16.3 9.8 14.8#

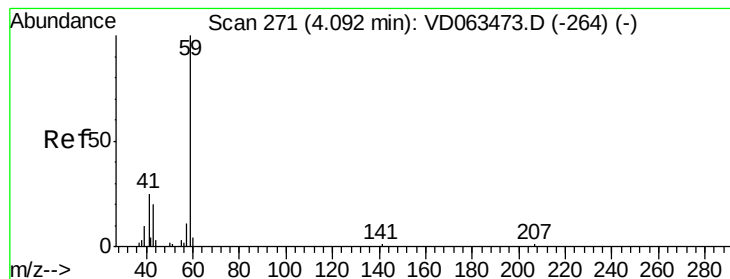


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



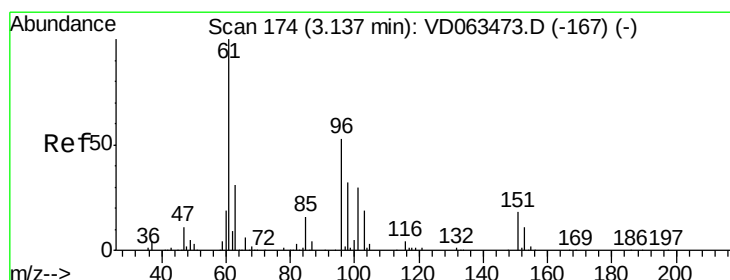
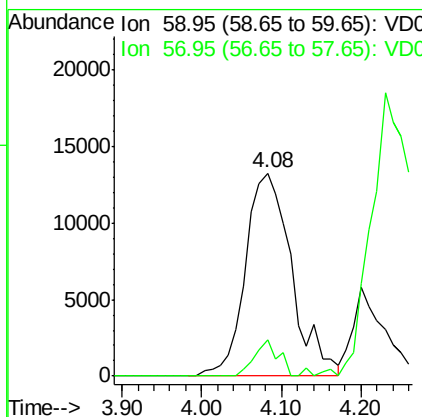
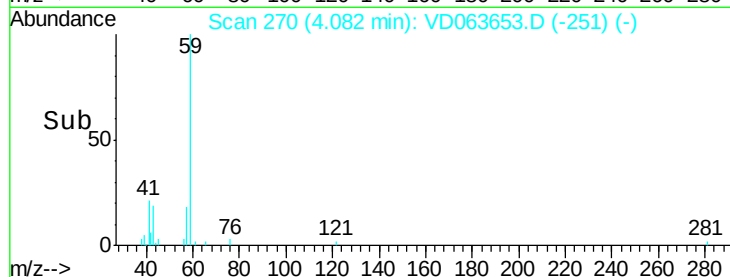
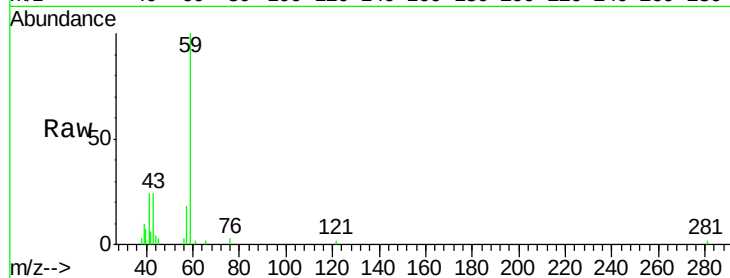


#11

Tert butyl alcohol
Concen: 100.489 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

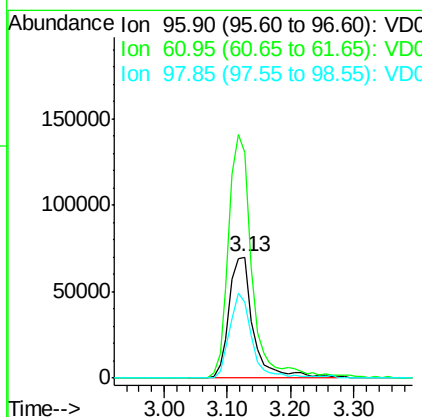
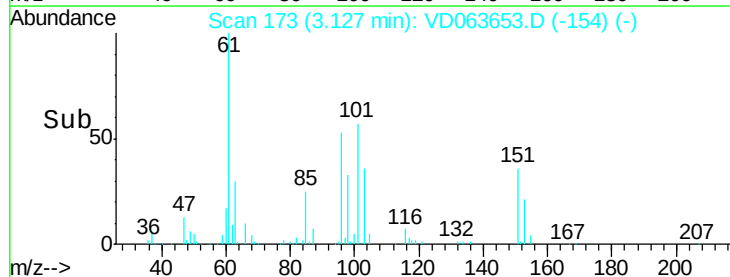
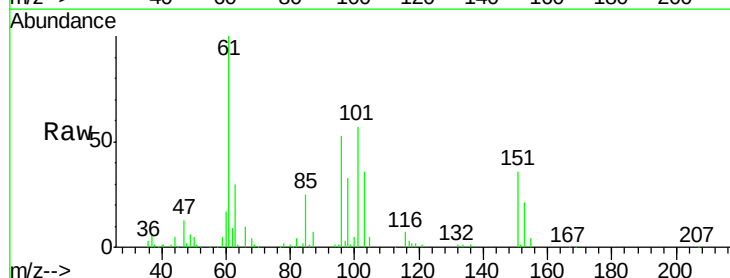
Tot Ion: 59 Resp: 53085
Ion Ratio Lower Upper
59 100
57 17.8 8.7 13.1#

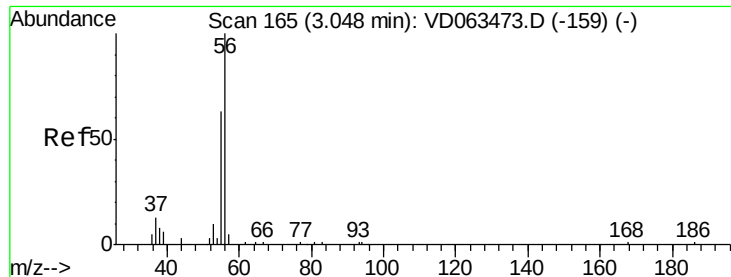


#12

1,1-Dichloroethene
Concen: 20.409 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 96 Resp: 187217
Ion Ratio Lower Upper
96 100
61 187.2 151.7 227.5
98 62.5 48.4 72.6





#13

Acrolein

Concen: 65.249 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

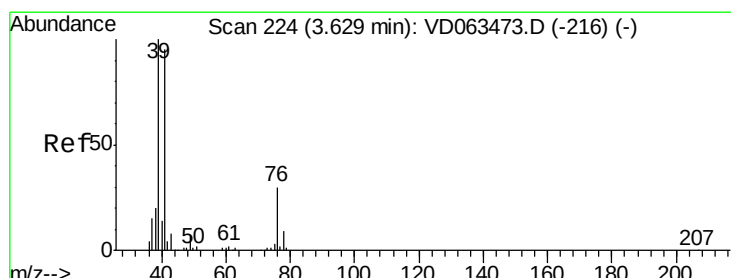
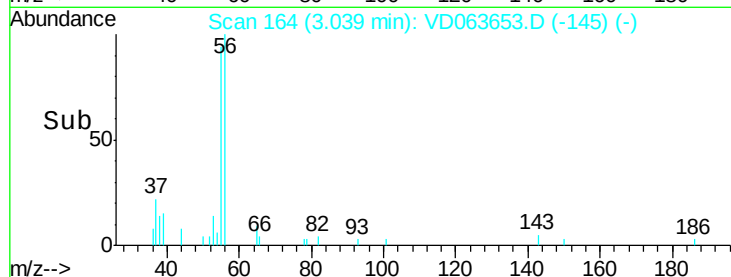
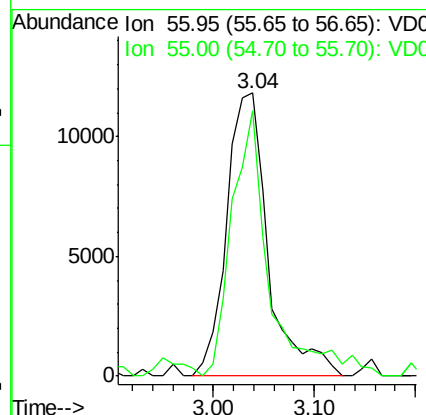
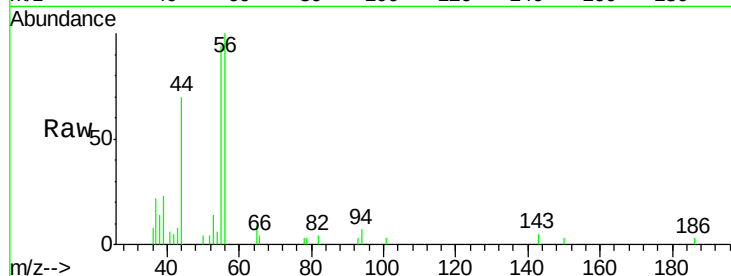
VD0819SBSD01

Tot Ion: 56 Resp: 33928

Ion Ratio Lower Upper

56 100

55 93.9 51.3 76.9#



#14

Allyl chloride

Concen: 21.675 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

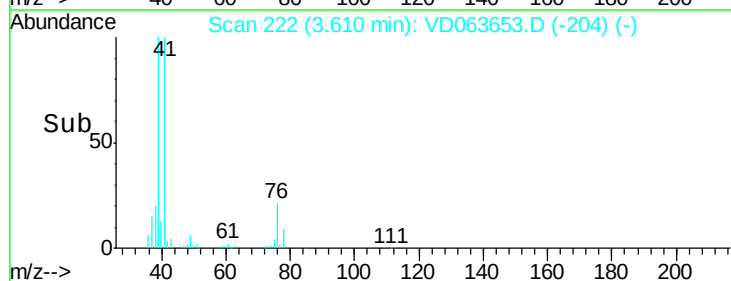
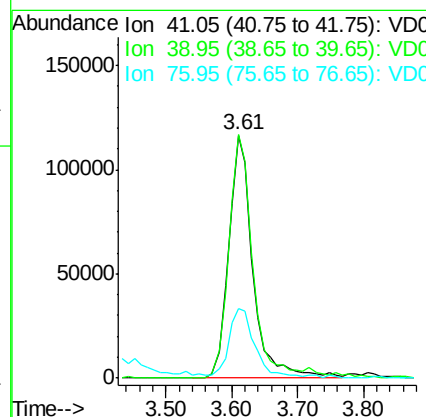
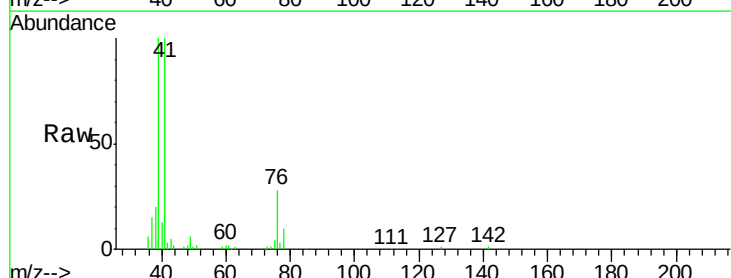
Tgt Ion: 41 Resp: 298907

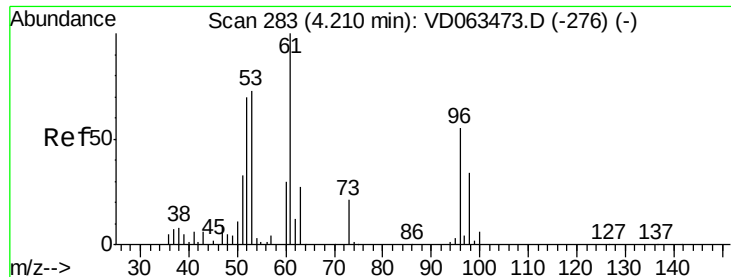
Ion Ratio Lower Upper

41 100

39 100.5 84.2 126.4

76 28.6 26.0 39.0





#15

Acrylonitrile

Concen: 96.248 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

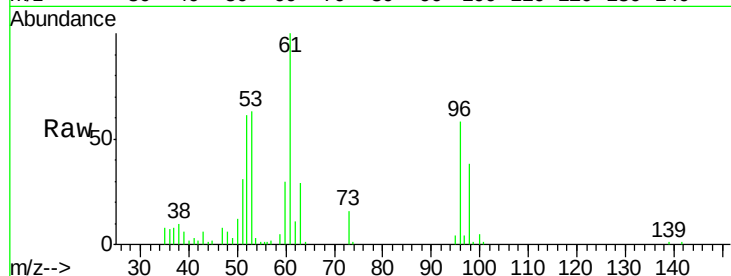
Tot Ion: 53 Resp: 134675

Ion Ratio Lower Upper

53 100

52 96.0 77.4 116.0

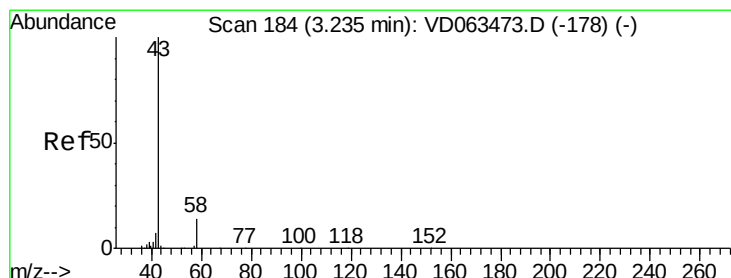
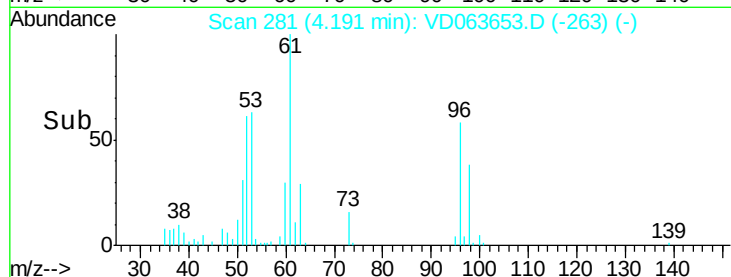
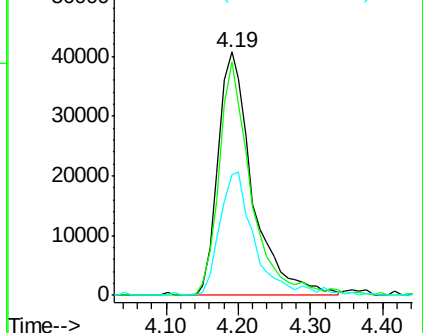
51 49.7 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 88.761 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063653.D

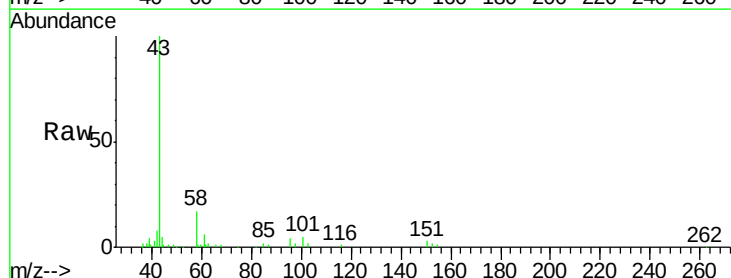
Acq: 19 Aug 2019 13:14

Tgt Ion: 43 Resp: 218958

Ion Ratio Lower Upper

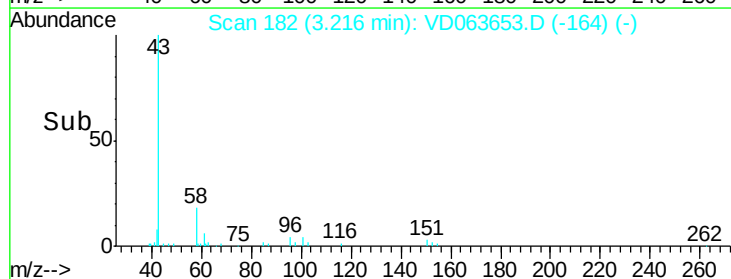
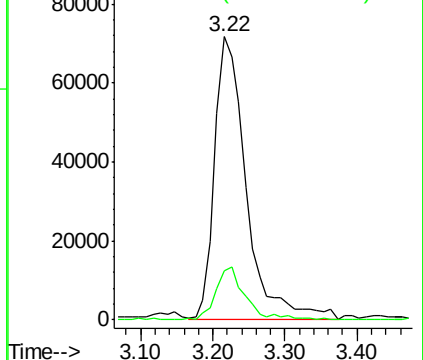
43 100

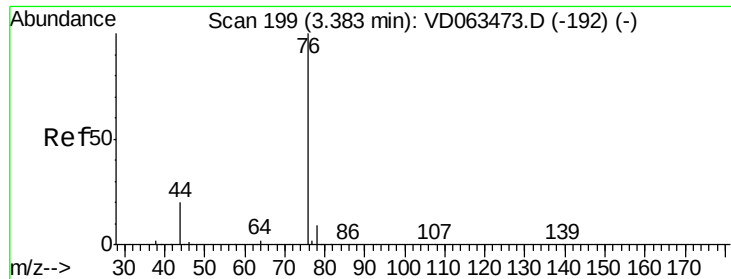
58 17.4 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.442 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

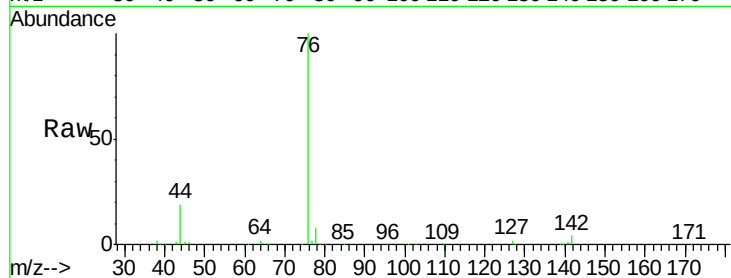
VD0819SBSD01

Tot Ion: 76 Resp: 562874

Ion Ratio Lower Upper

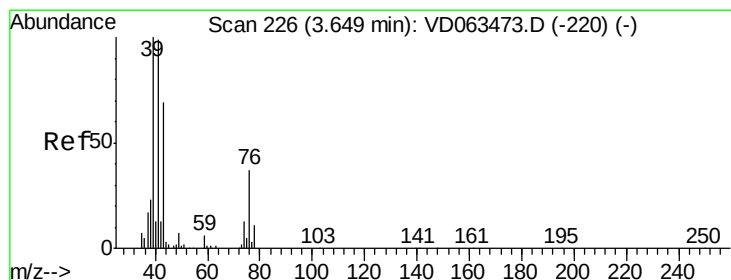
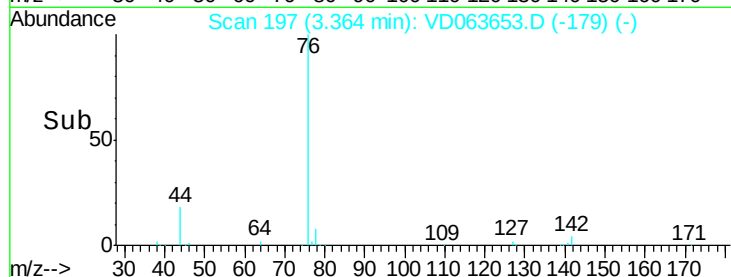
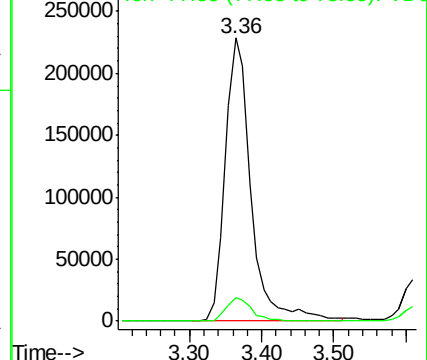
76 100

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: 19.945 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD063653.D

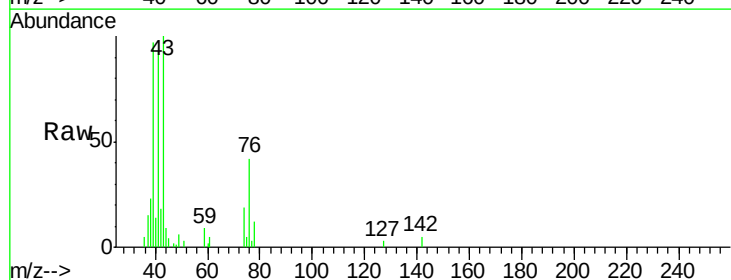
Acq: 19 Aug 2019 13:14

Tgt Ion: 43 Resp: 93193

Ion Ratio Lower Upper

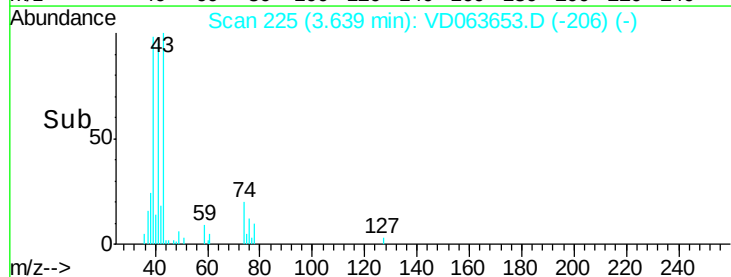
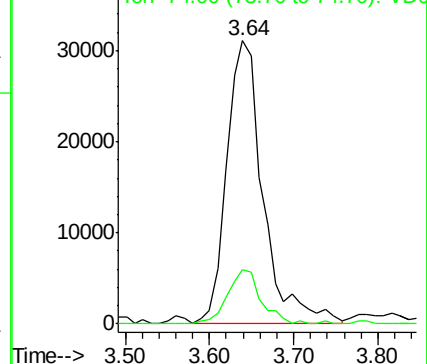
43 100

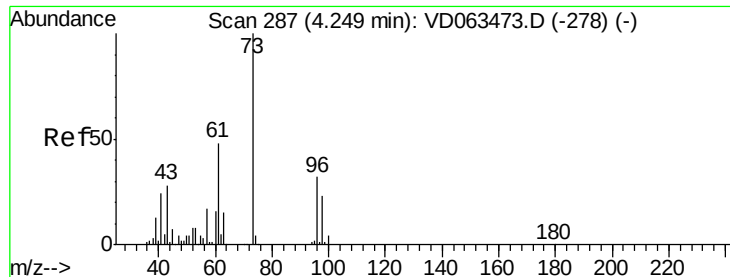
74 19.4 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



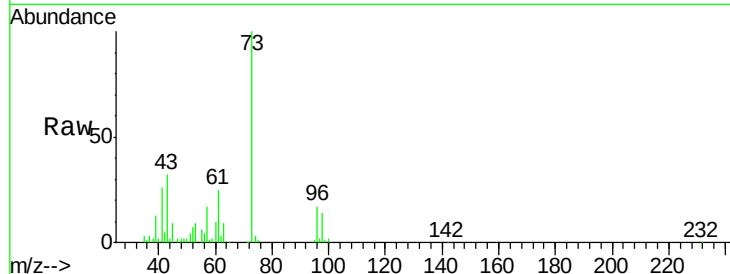


#19

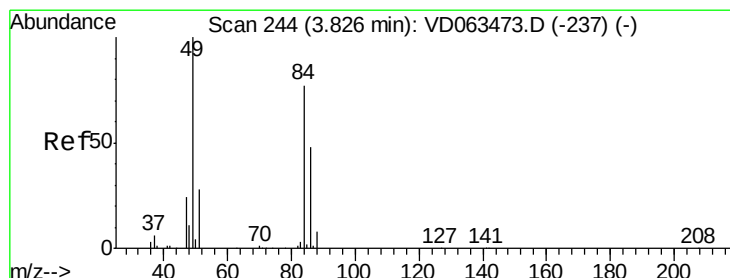
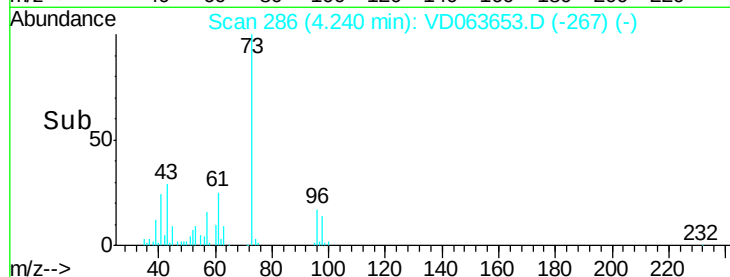
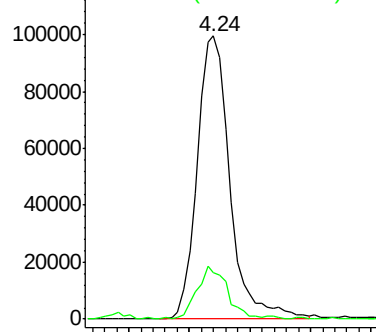
Methyl tert-butyl Ether
 Concen: 20.343 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0819SBS01

Tot Ion: 73 Resp: 373205
 Ion Ratio Lower Upper
 73 100
 57 16.7 14.0 21.0



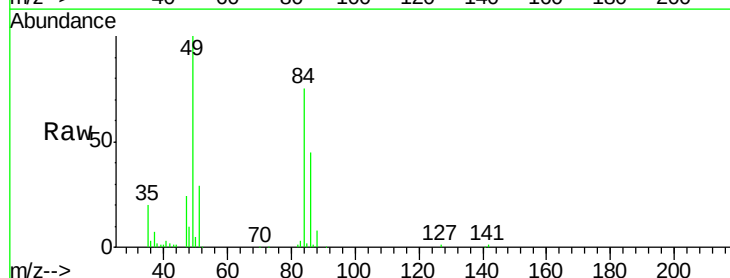
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



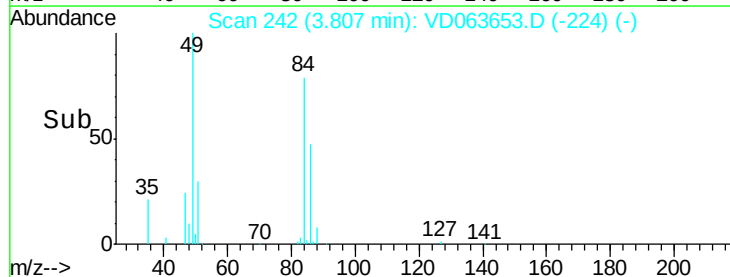
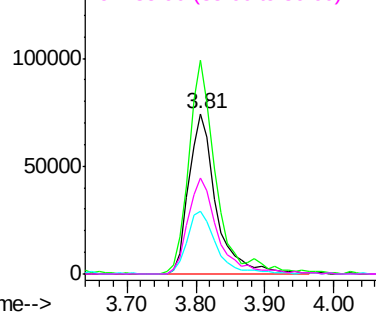
#20

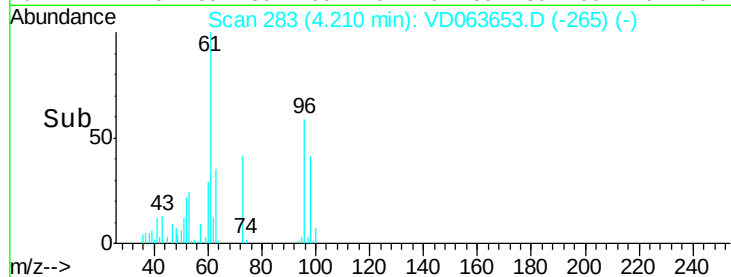
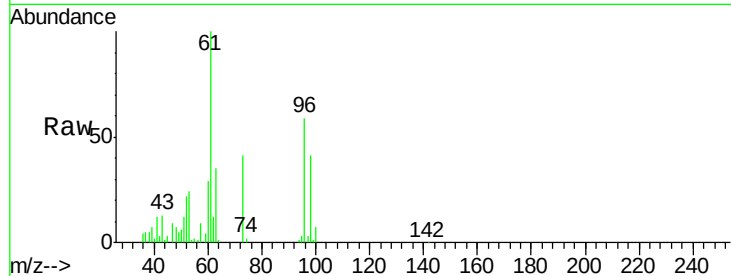
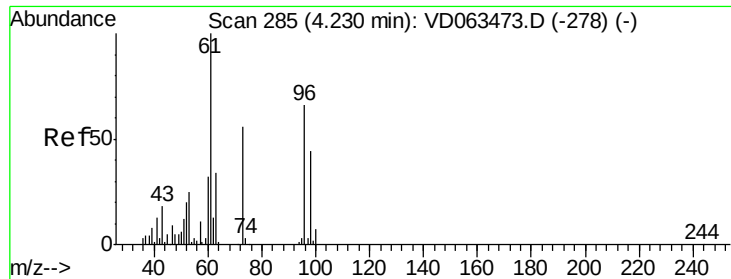
Methylene Chloride
 Concen: 19.136 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion: 84 Resp: 204125
 Ion Ratio Lower Upper
 84 100
 49 133.4 103.4 155.2
 51 39.1 28.5 42.7
 86 59.7 49.4 74.2



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.392 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

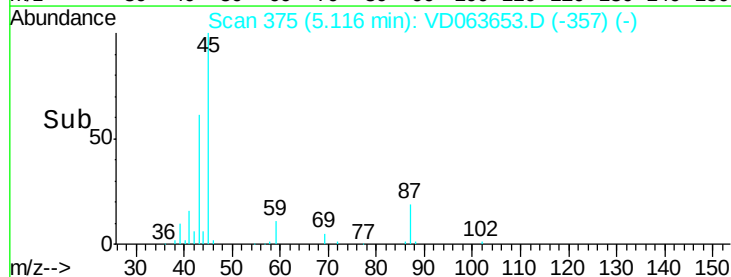
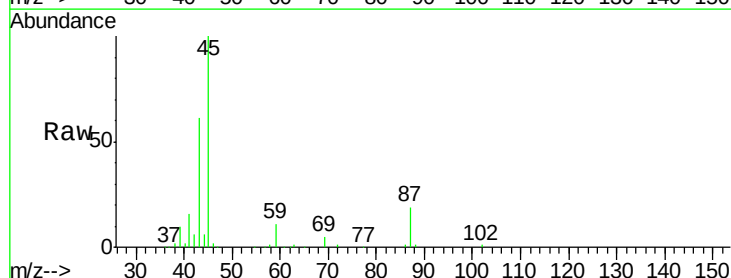
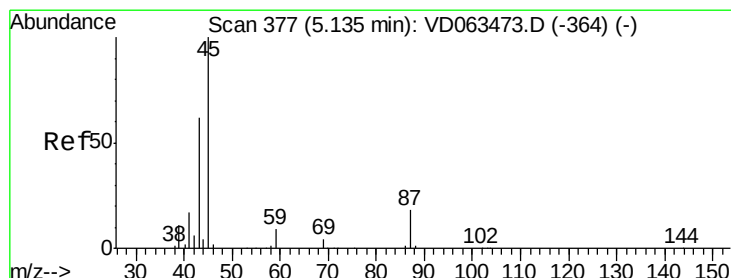
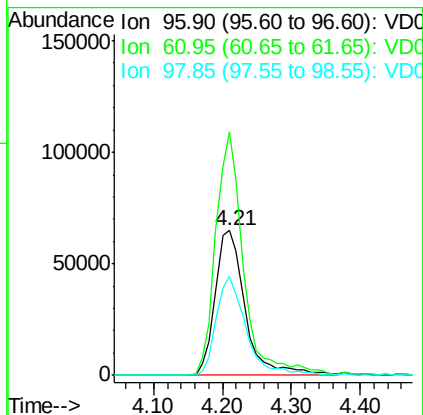
Tot Ion: 96 Resp: 196851

Ion Ratio Lower Upper

96 100

61 168.3 121.7 182.5

98 68.5 54.2 81.2



#22

Diisopropyl ether

Concen: 19.991 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Tgt Ion: 45 Resp: 568874

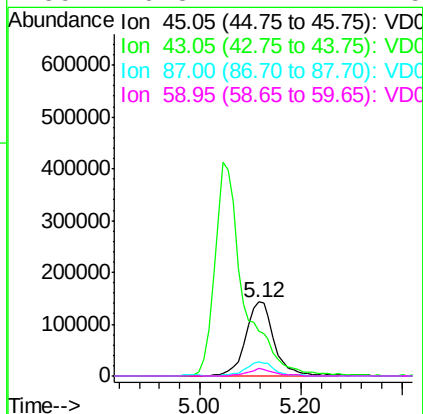
Ion Ratio Lower Upper

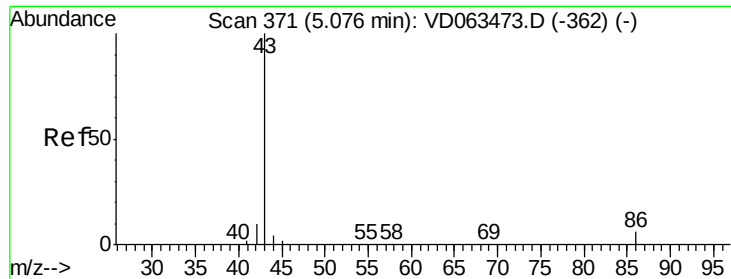
45 100

43 61.3 50.3 75.5

87 19.2 14.3 21.5

59 10.8 7.7 11.5





#23

Vinyl Acetate

Concen: 98.622 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

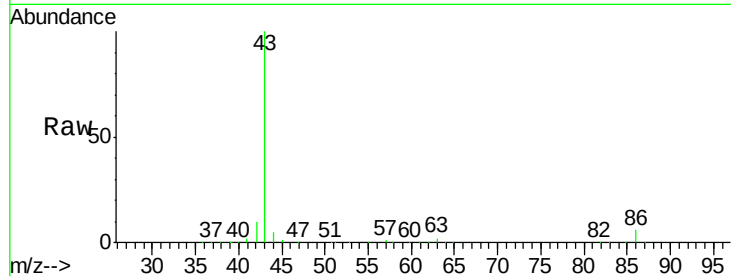
VD0819SBSD01

Tot Ion: 43 Resp: 1631551

Ion Ratio Lower Upper

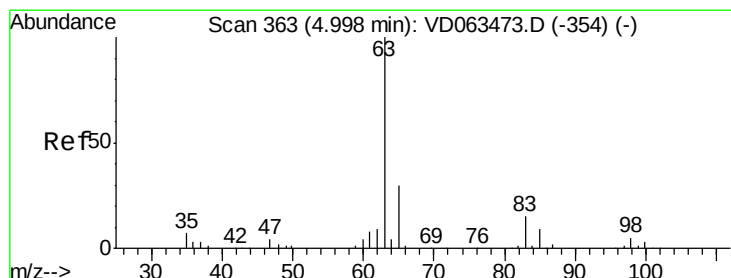
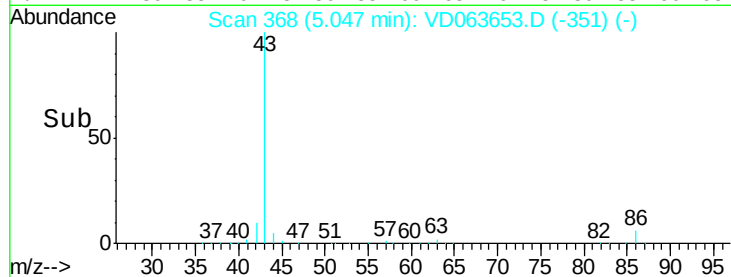
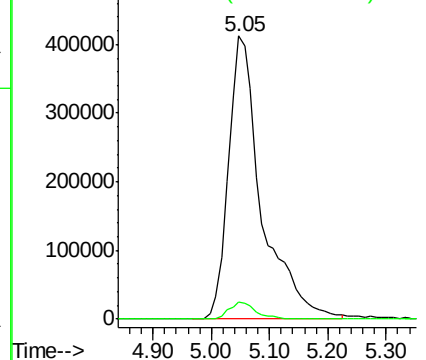
43 100

86 5.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.317 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

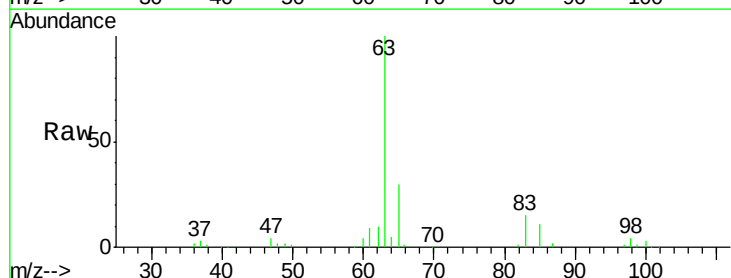
Tgt Ion: 63 Resp: 358588

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

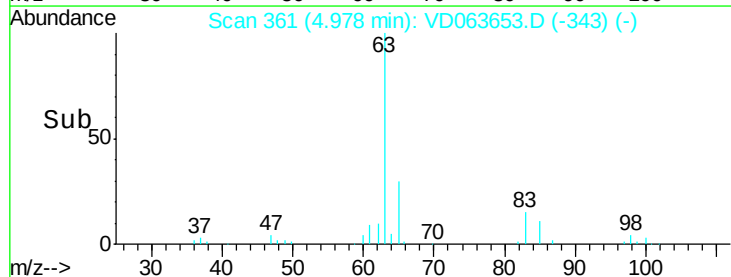
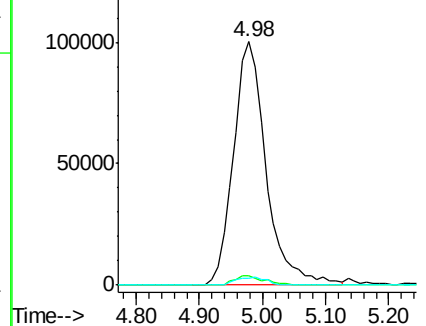
100 2.9 1.3 3.8

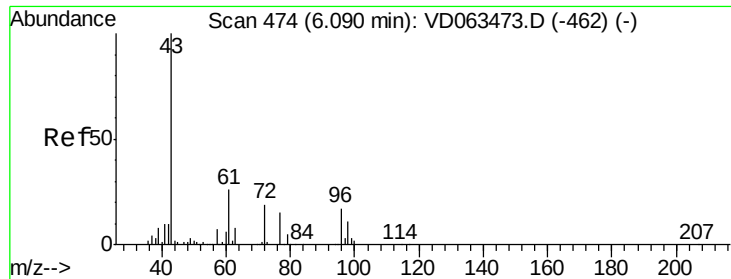


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 93.531 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

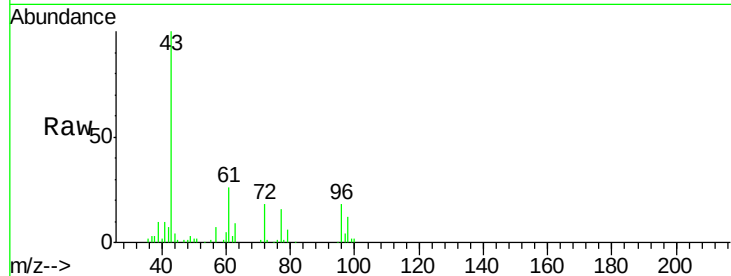
VD0819SBSD01

Tot Ion: 43 Resp: 227871

Ion Ratio Lower Upper

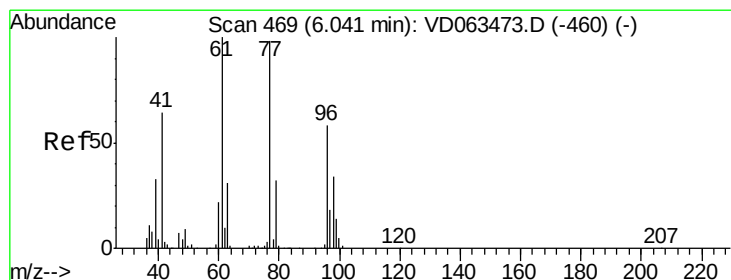
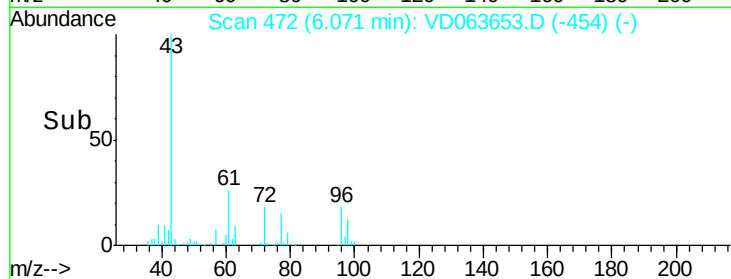
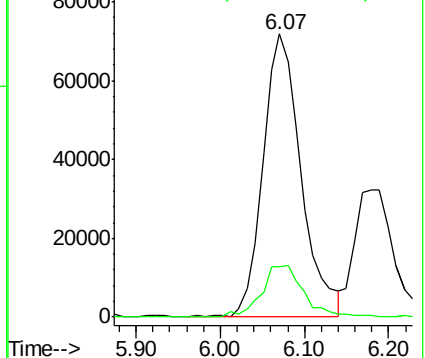
43 100

72 17.9 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.157 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063653.D

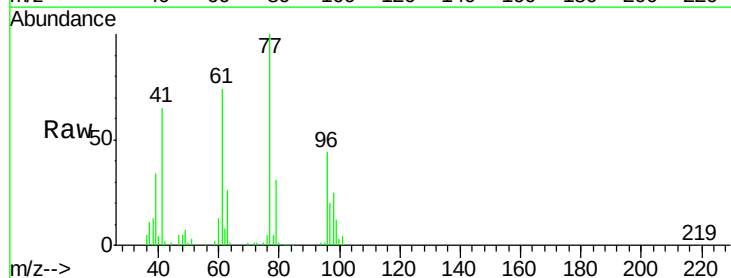
Acq: 19 Aug 2019 13:14

Tgt Ion: 77 Resp: 354360

Ion Ratio Lower Upper

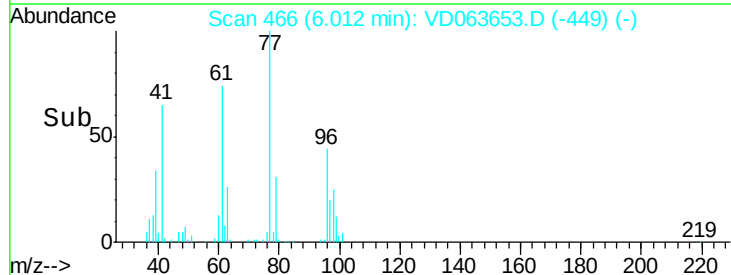
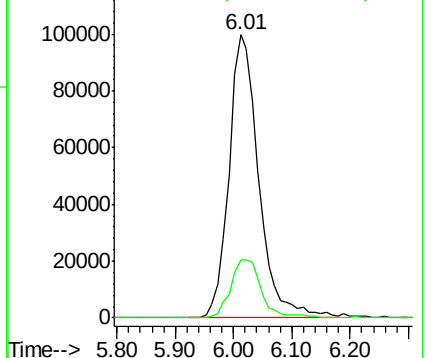
77 100

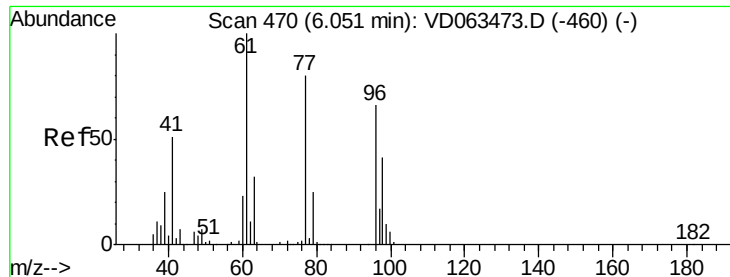
97 20.3 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



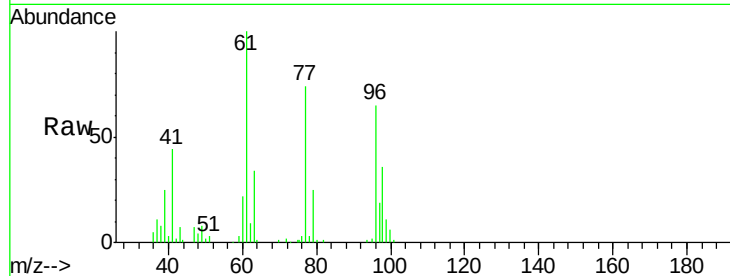


#27

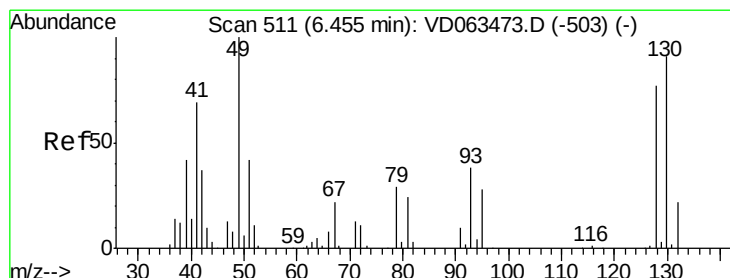
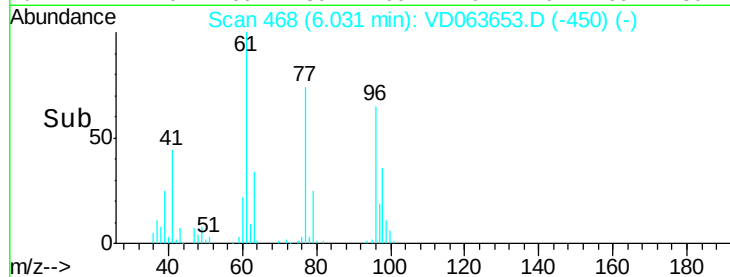
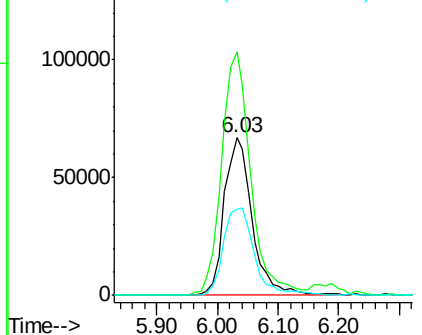
cis-1,2-Dichloroethene
Concen: 20.342 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion: 96 Resp: 214840
Ion Ratio Lower Upper
96 100
61 154.3 0.0 304.0
98 54.8 0.0 124.8



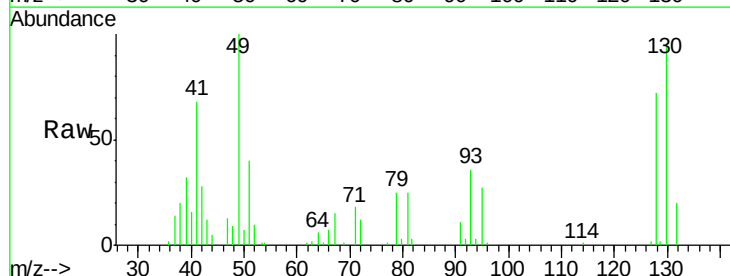
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



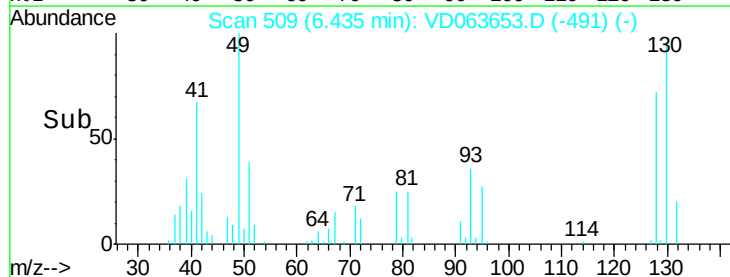
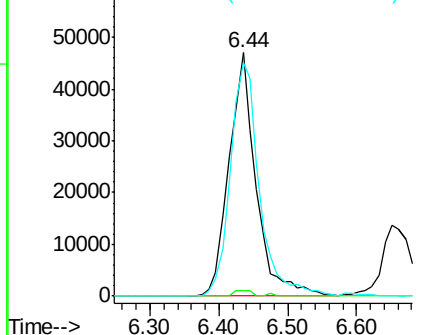
#28

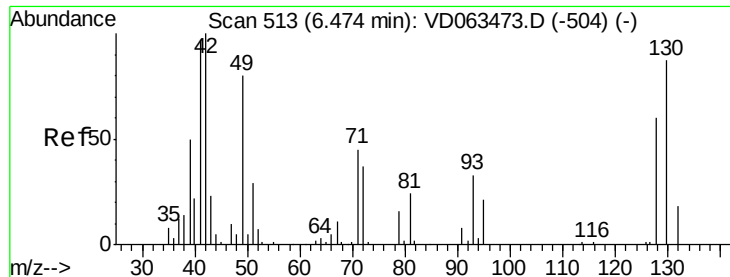
Bromochloromethane
Concen: 17.854 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 49 Resp: 127715
Ion Ratio Lower Upper
49 100
129 2.4 0.0 6.4
130 95.7 72.4 108.6



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





#29

Tetrahydrofuran

Concen: 93.563 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

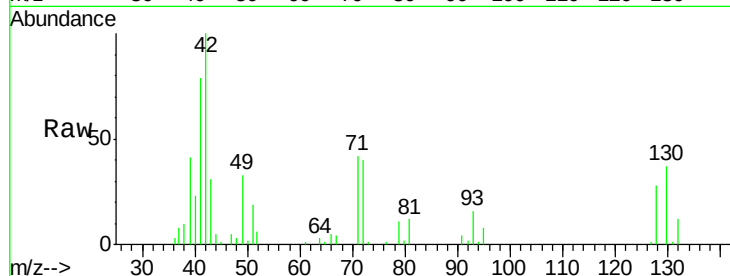
Tot Ion: 42 Resp: 106219

Ion Ratio Lower Upper

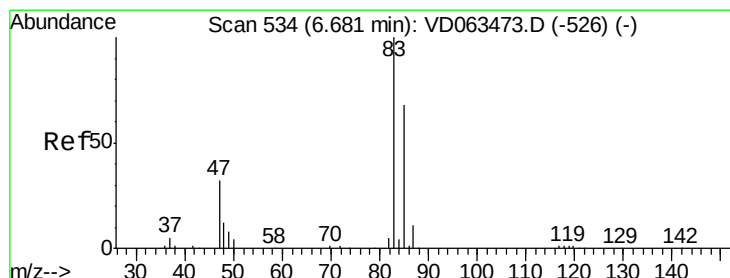
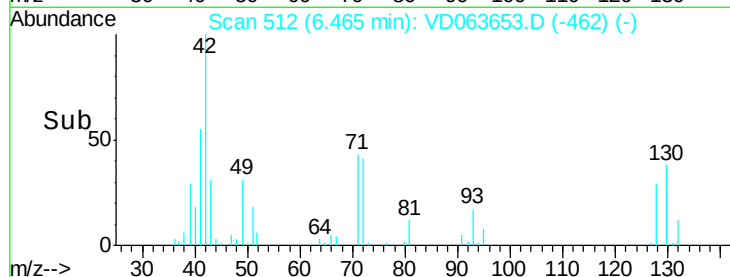
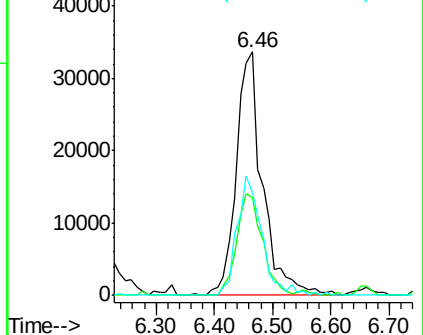
42 100

72 40.8 31.5 47.3

71 45.3 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: 19.416 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD063653.D

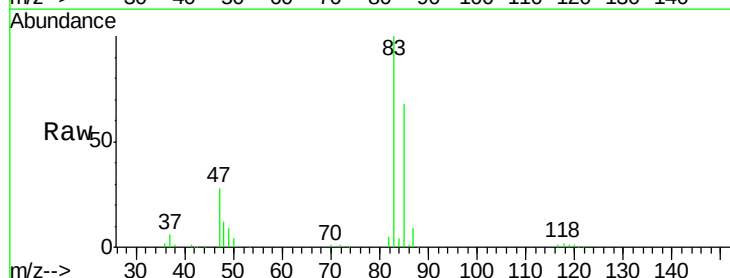
Acq: 19 Aug 2019 13:14

Tgt Ion: 83 Resp: 425957

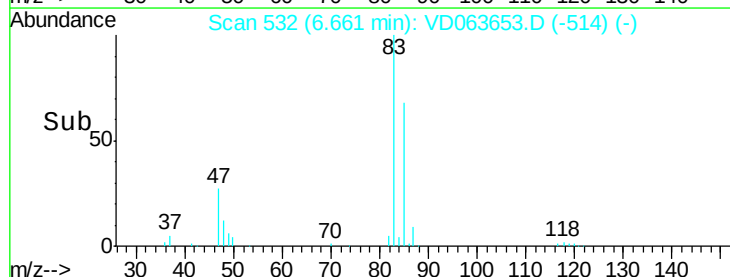
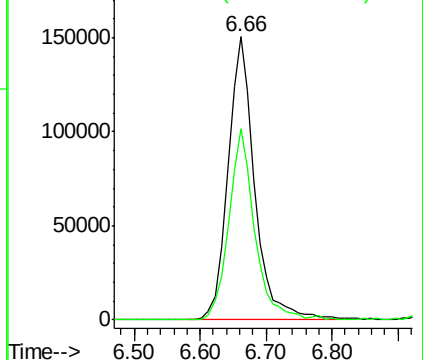
Ion Ratio Lower Upper

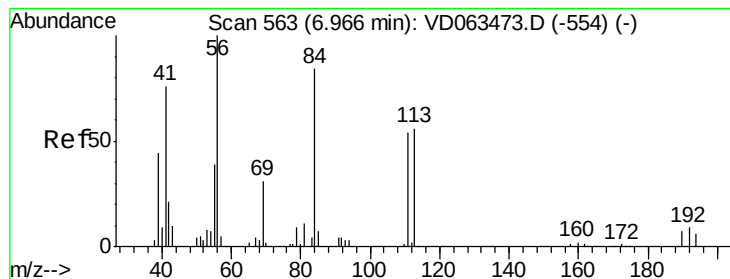
83 100

85 67.7 54.8 82.2



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





#31

Cyclohexane

Concen: 20.651 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

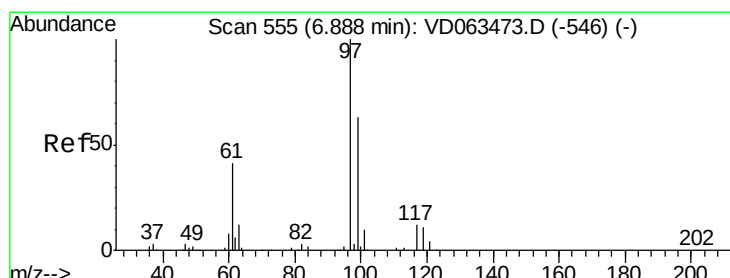
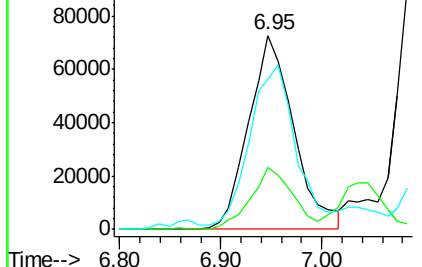
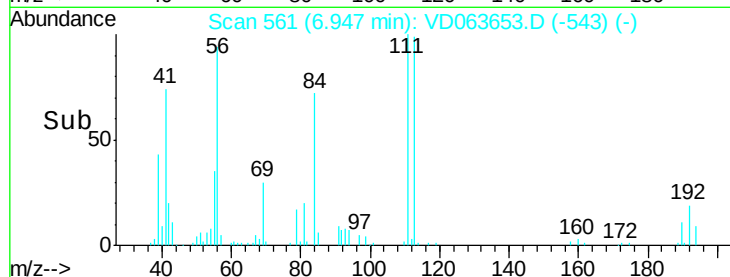
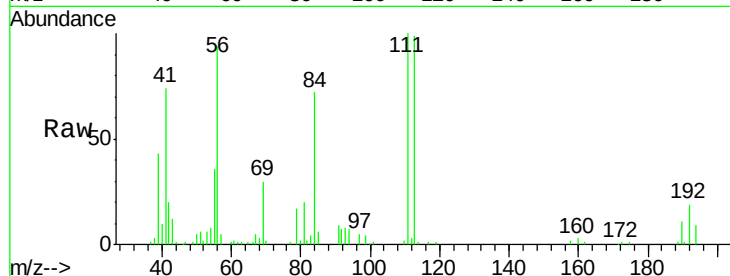
Tot Ion: 56 Resp: 226273

Ion Ratio Lower Upper

56 100

69 31.7 25.0 37.6

84 77.1 69.7 104.5



#32

1,1,1-Trichloroethane

Concen: 21.225 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

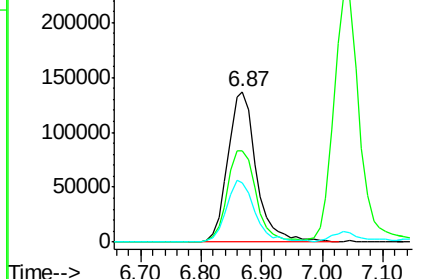
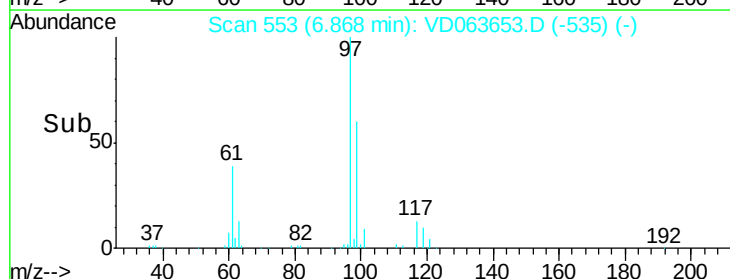
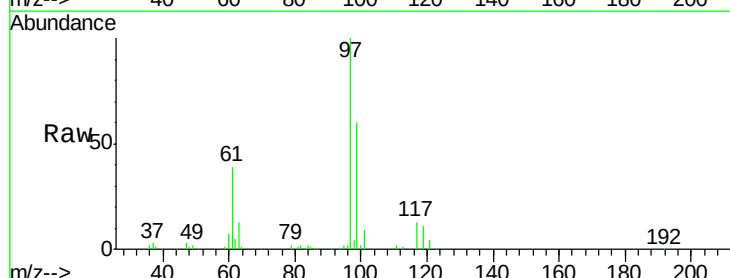
Tgt Ion: 97 Resp: 445417

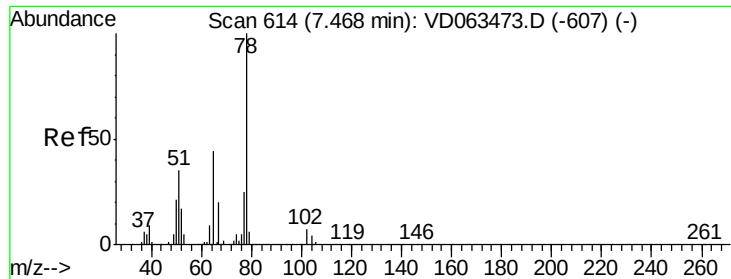
Ion Ratio Lower Upper

97 100

99 60.3 50.2 75.4

61 39.3 33.1 49.7

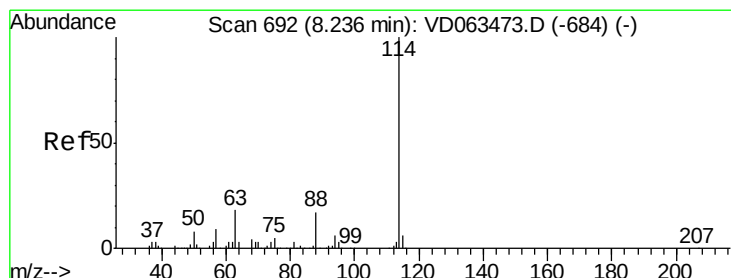
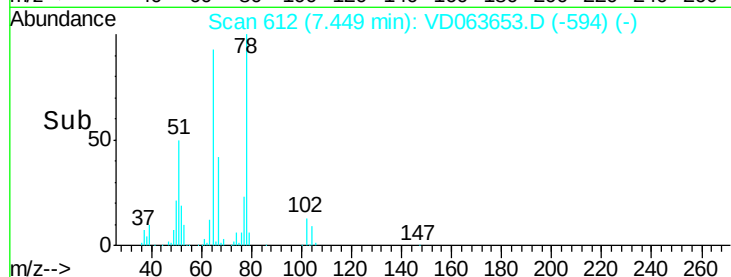
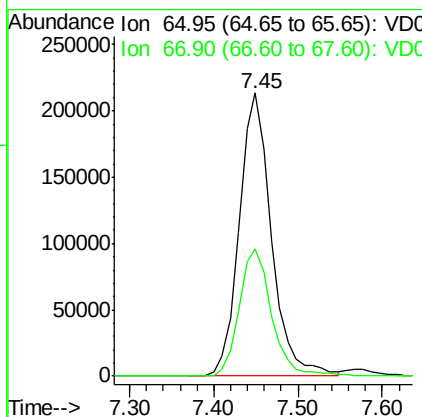
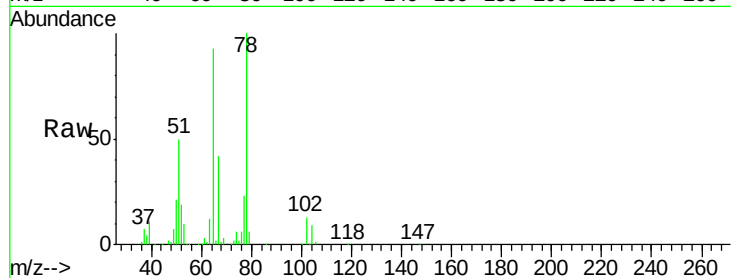




#33
 1,2-Dichloroethane-d4
 Concen: 46.964 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

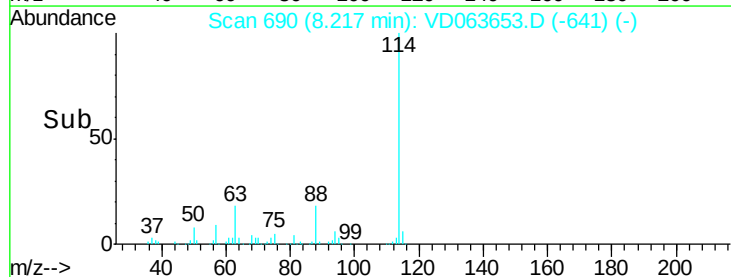
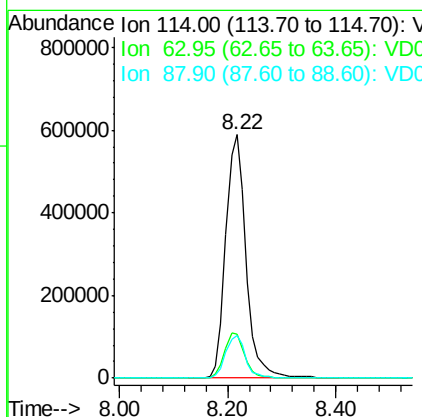
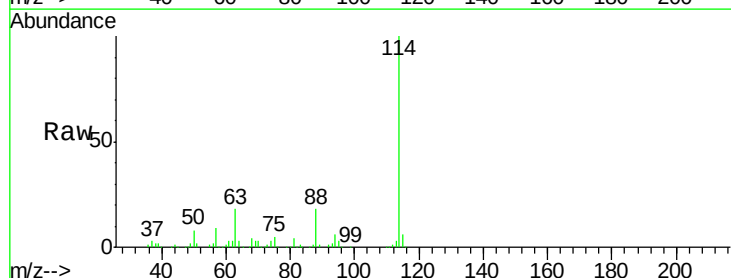
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

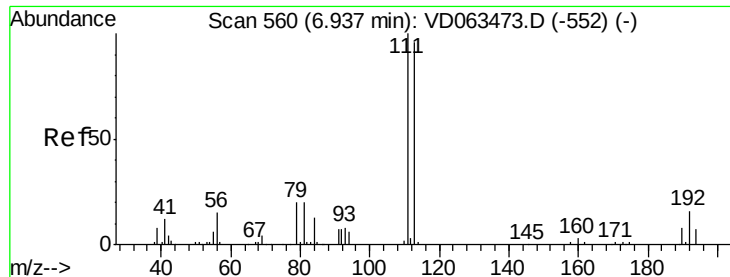
Tot Ion: 65 Resp: 569918
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion: 114 Resp: 1529426
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.2
 88 17.7 0.0 35.0

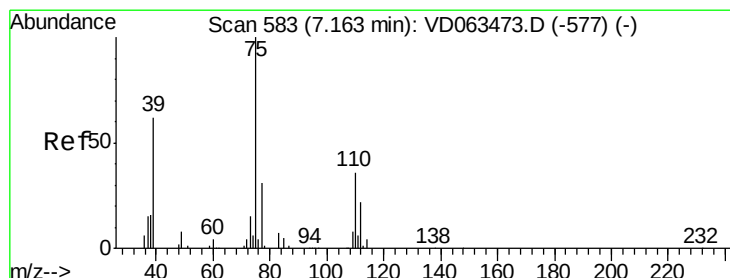
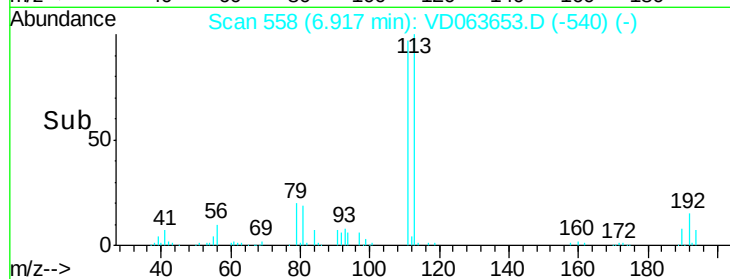
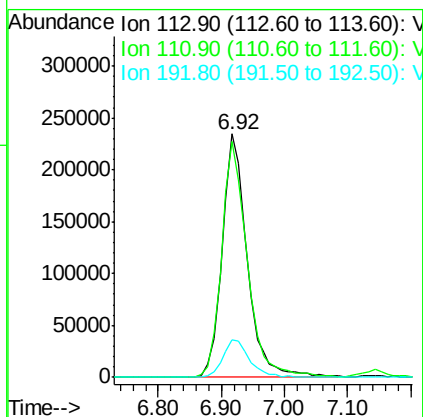
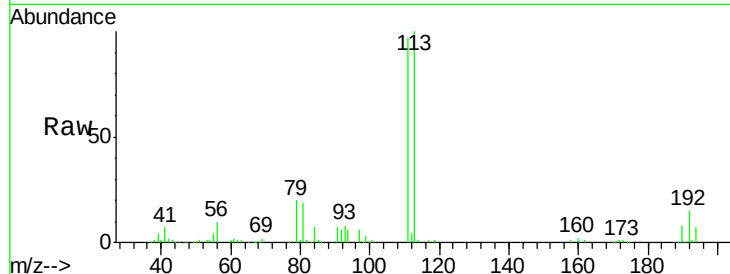




#35
 Dibromofluoromethane
 Concen: 50.177 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

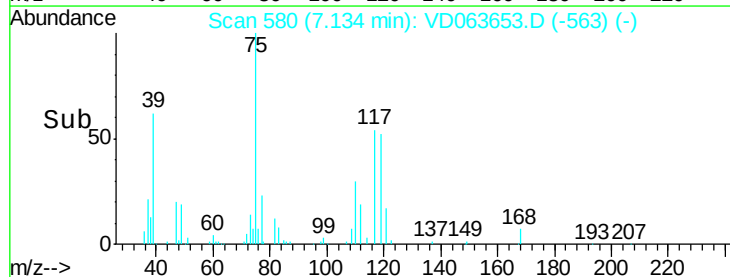
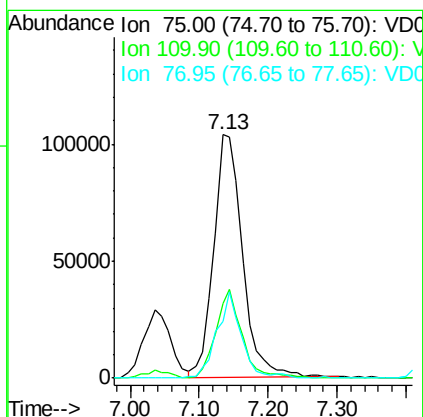
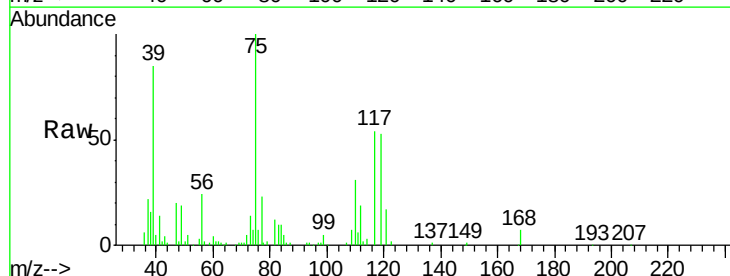
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

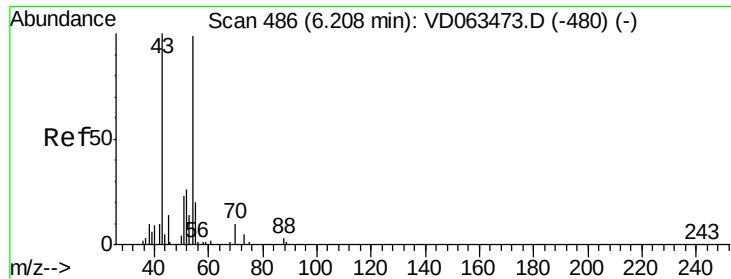
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.8	83.1	124.7
192	15.2	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 22.256 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.03 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.9	17.6	52.8
77	23.2	24.3	36.5#

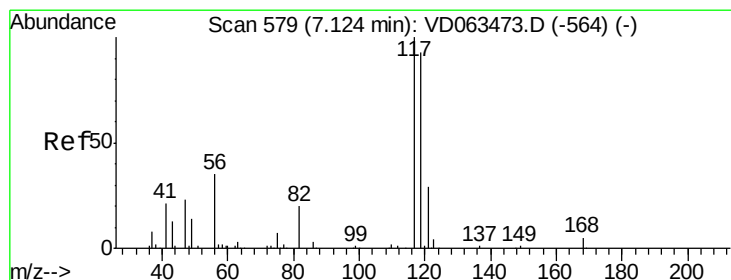
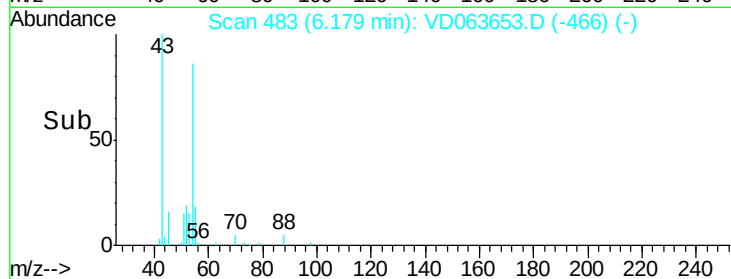
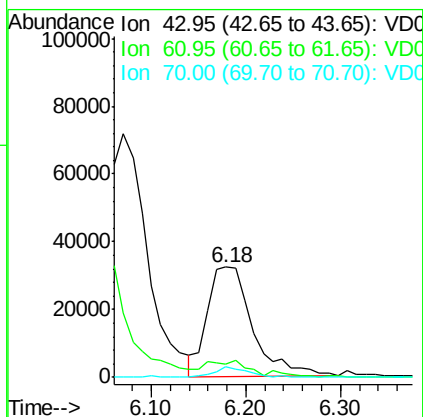
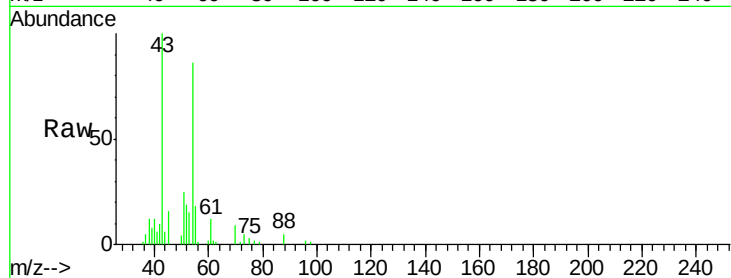




#37
Ethyl Acetate
Concen: 18.770 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

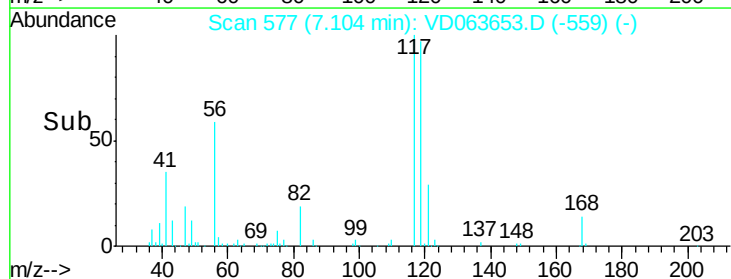
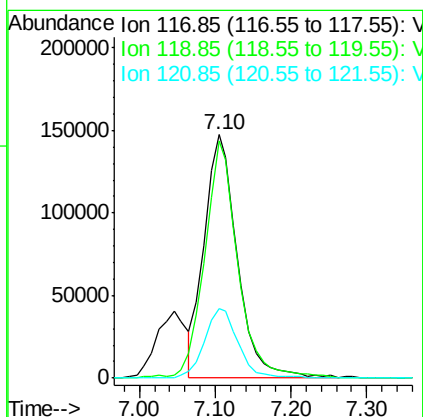
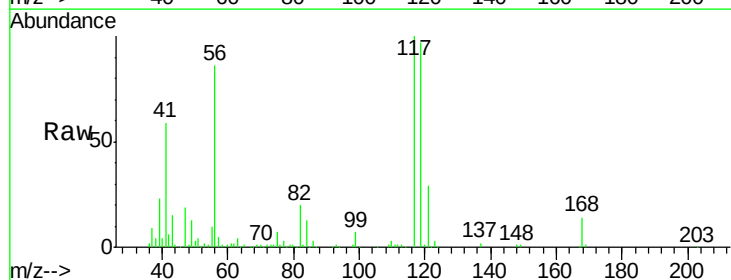
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

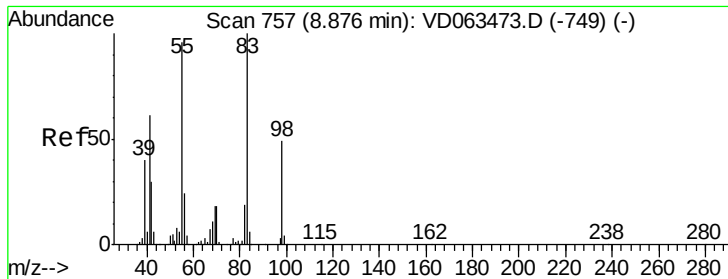
Tot Ion: 43 Resp: 106342
Ion Ratio Lower Upper
43 100
61 12.5 9.0 13.6
70 9.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.928 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 117 Resp: 446821
Ion Ratio Lower Upper
117 100
119 97.3 74.2 111.2
121 28.7 23.1 34.7

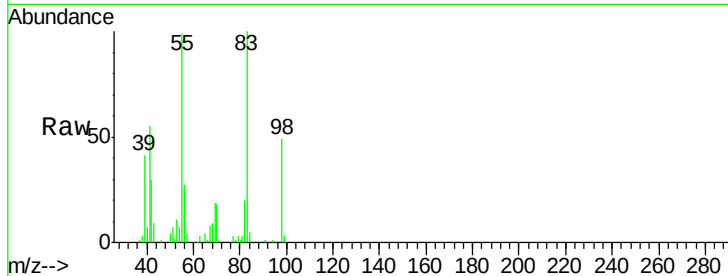




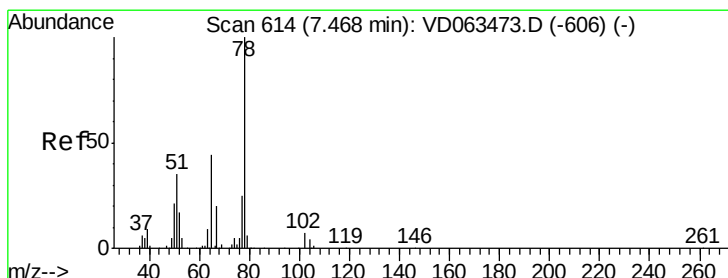
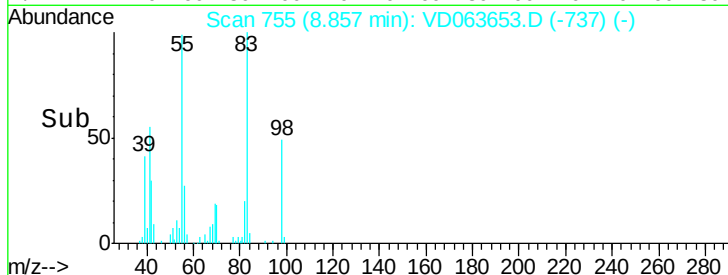
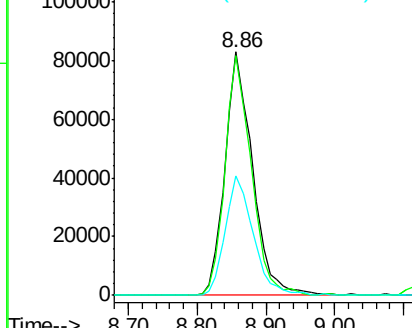
#39
Methylvlcyclohexane
Concen: 20.063 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion: 83 Resp: 230662
Ion Ratio Lower Upper
83 100
55 98.6 76.6 114.8
98 49.1 39.4 59.0

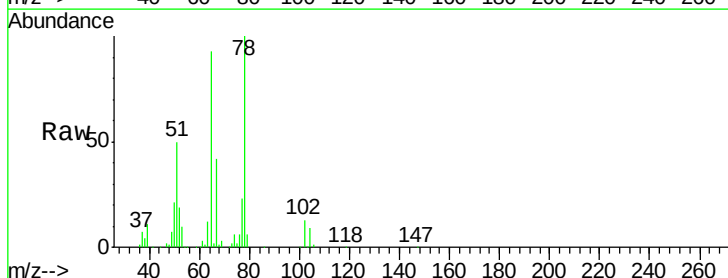


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

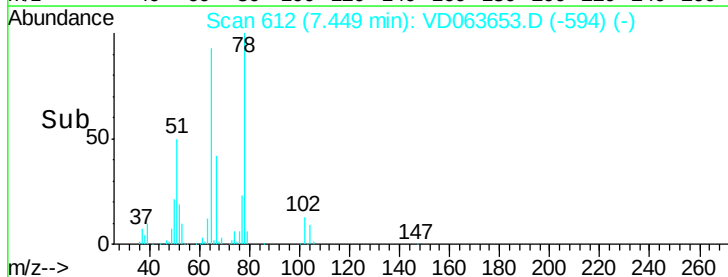
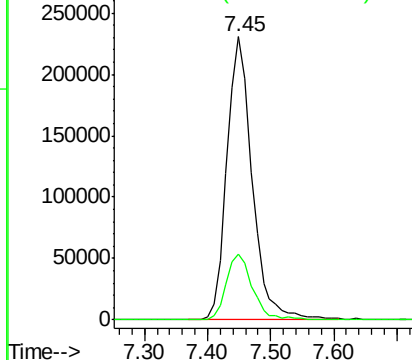


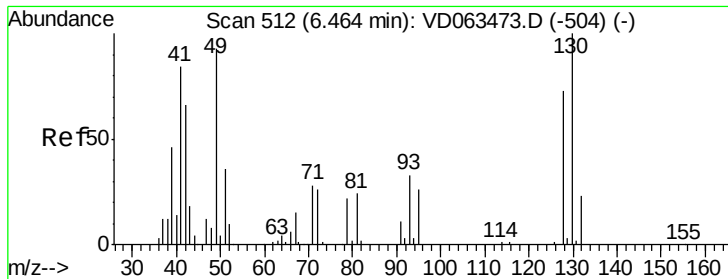
#40
Benzene
Concen: 21.517 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 78 Resp: 640212
Ion Ratio Lower Upper
78 100
77 23.1 20.1 30.1



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





#41

Methacrylonitrile

Concen: 19.659 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

Tot Ion: 41 Resp: 140236

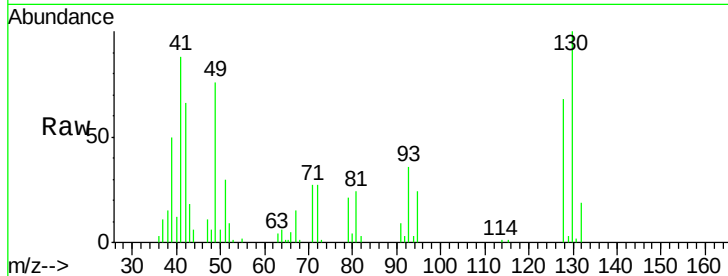
Ion Ratio Lower Upper

41 100

39 56.5 44.6 66.8

67 17.0 14.4 21.6

52 10.5 9.3 13.9

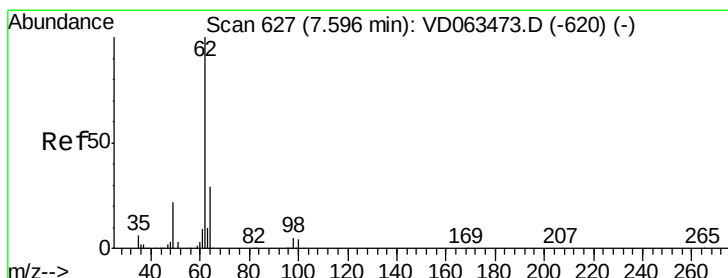
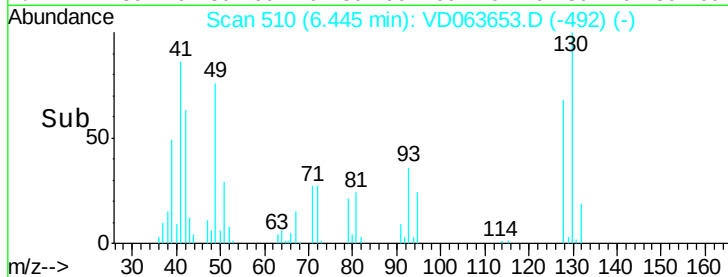
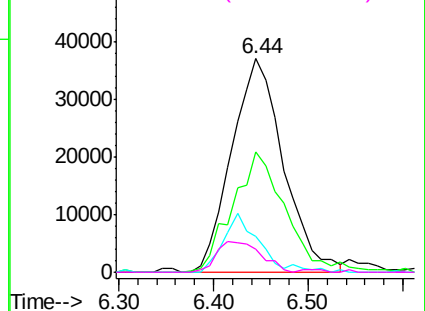


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.625 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD063653.D

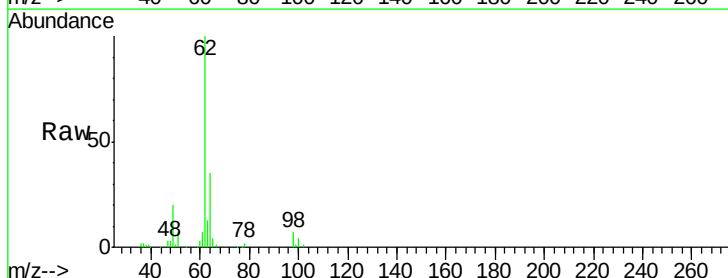
Acq: 19 Aug 2019 13:14

Tgt Ion: 62 Resp: 323529

Ion Ratio Lower Upper

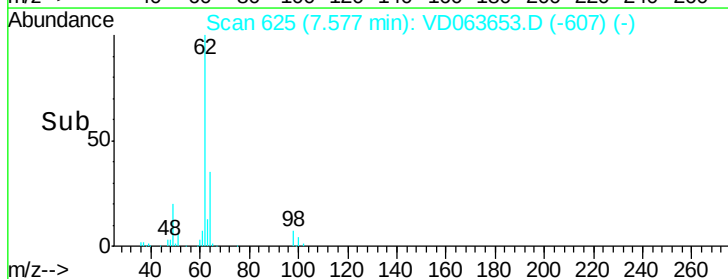
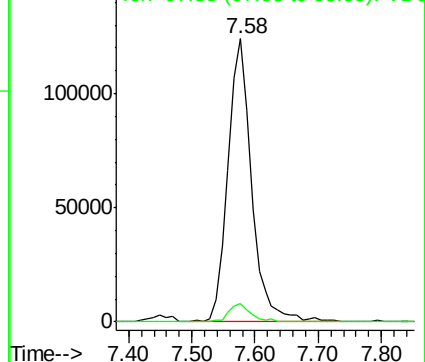
62 100

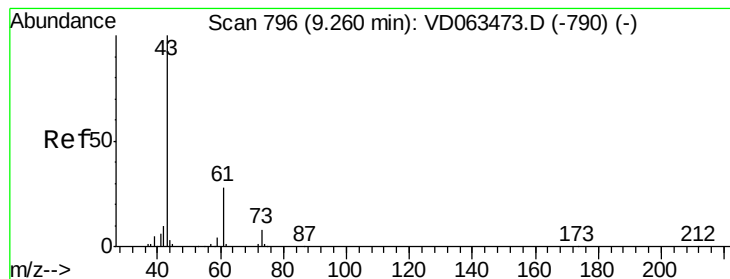
98 6.7 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.843 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

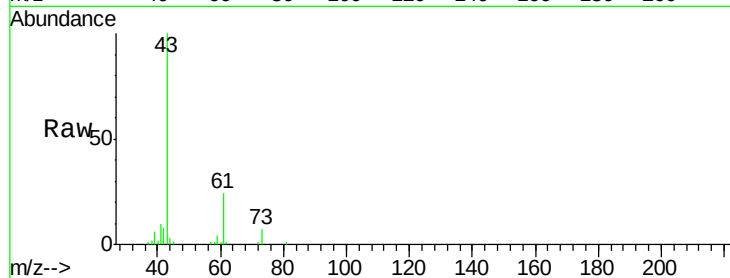
Tot Ion: 43 Resp: 150564

Ion Ratio Lower Upper

43 100

61 24.3 22.2 33.2

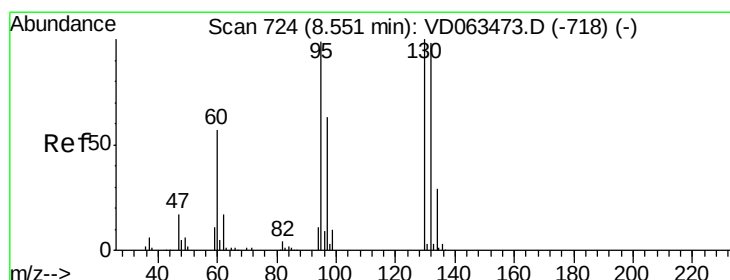
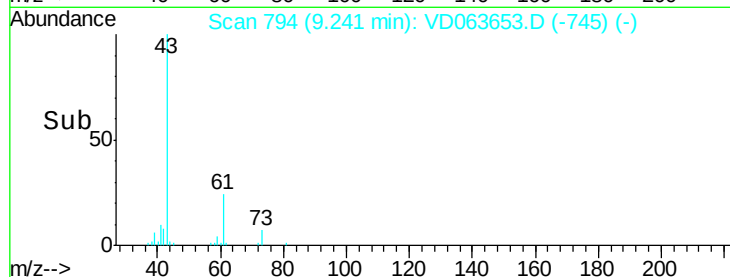
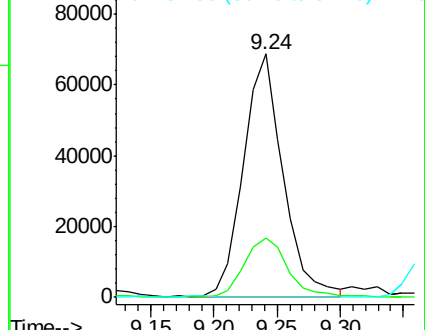
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.209 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063653.D

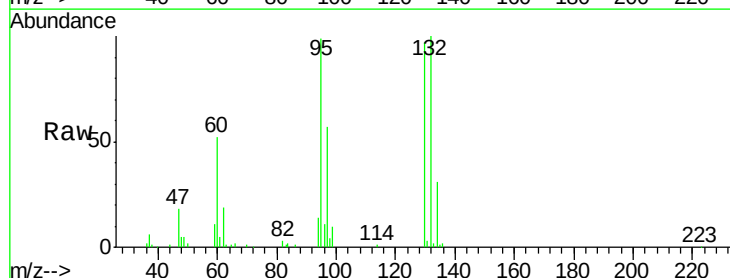
Acq: 19 Aug 2019 13:14

Tgt Ion:130 Resp: 241196

Ion Ratio Lower Upper

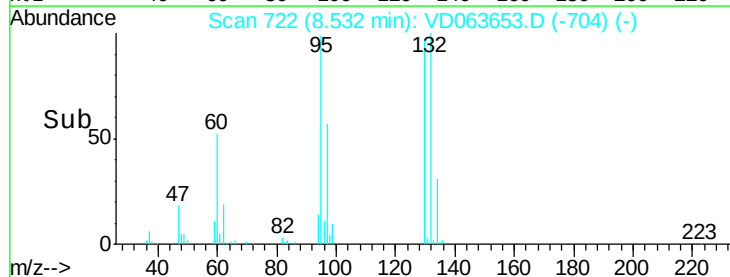
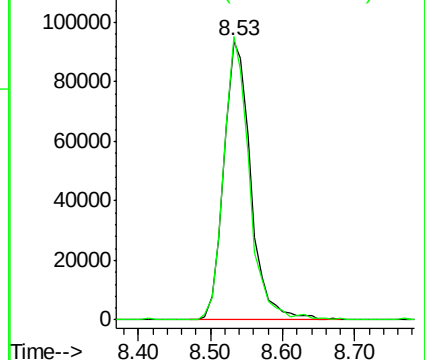
130 100

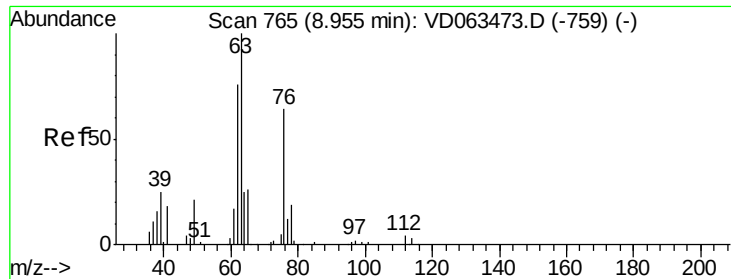
95 101.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.616 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

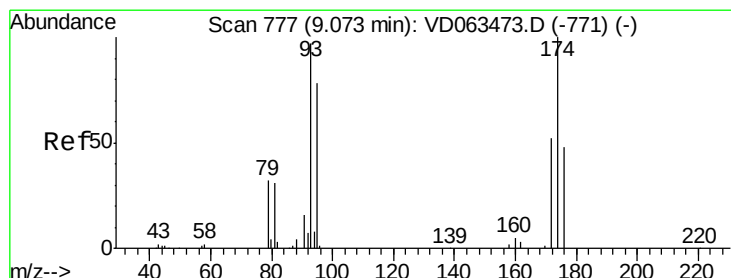
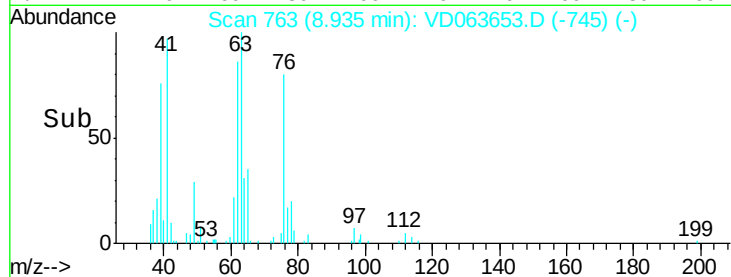
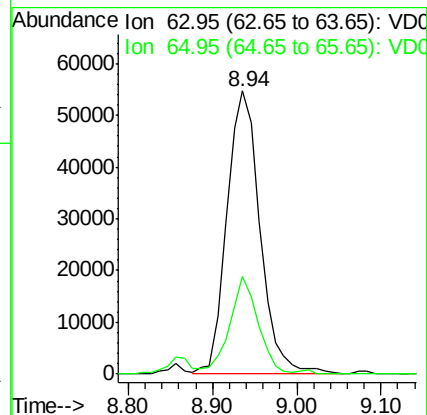
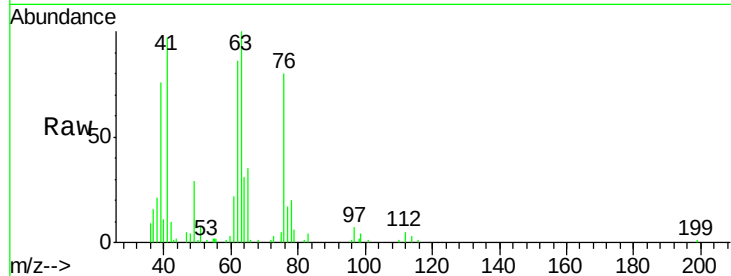
VD0819SBS01

Tot Ion: 63 Resp: 149775

Ion Ratio Lower Upper

63 100

65 34.6 22.5 33.7#



#46

Dibromomethane

Concen: 20.778 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

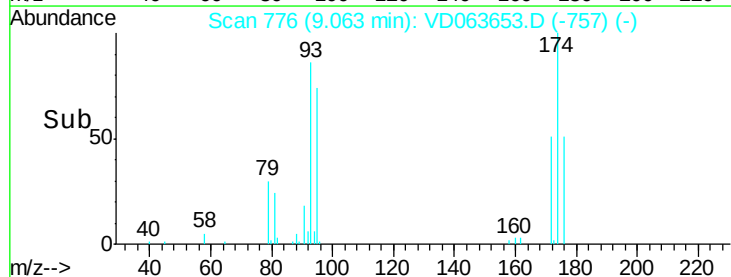
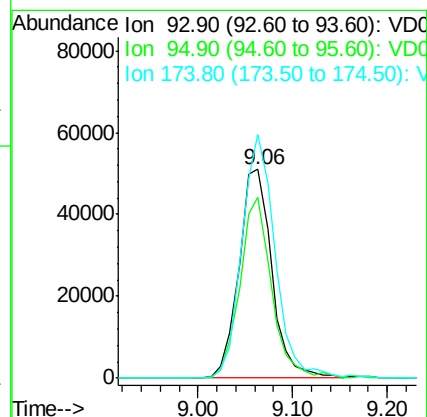
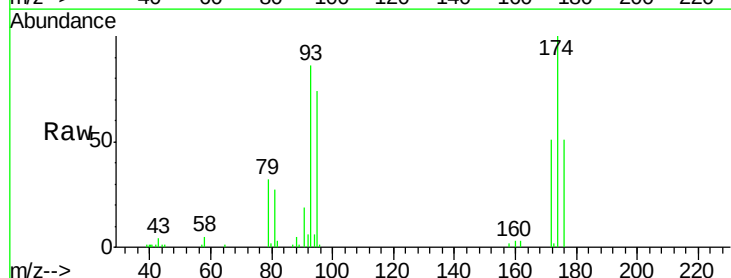
Tgt Ion: 93 Resp: 122945

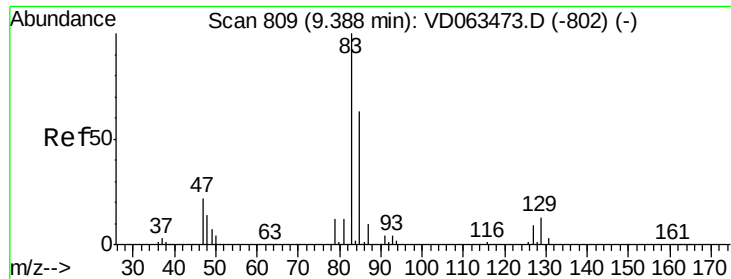
Ion Ratio Lower Upper

93 100

95 86.8 64.2 96.2

174 116.7 82.1 123.1





#47

Bromodichloromethane

Concen: 21.450 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

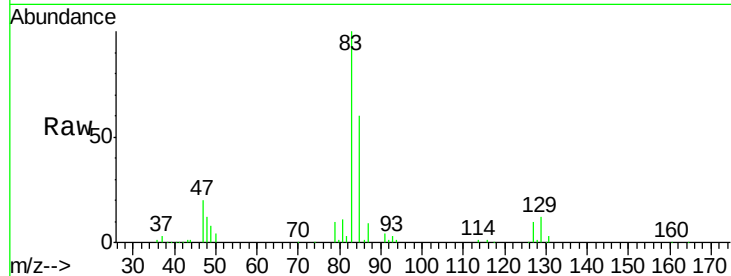
Tot Ion: 83 Resp: 325577

Ion Ratio Lower Upper

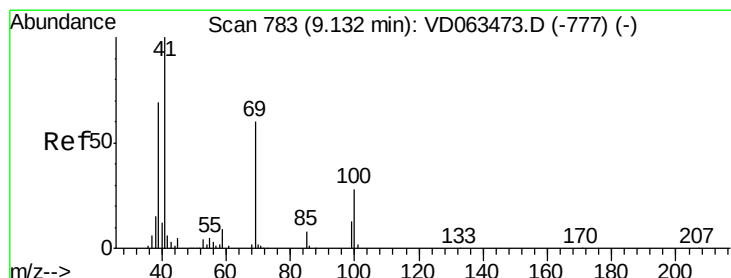
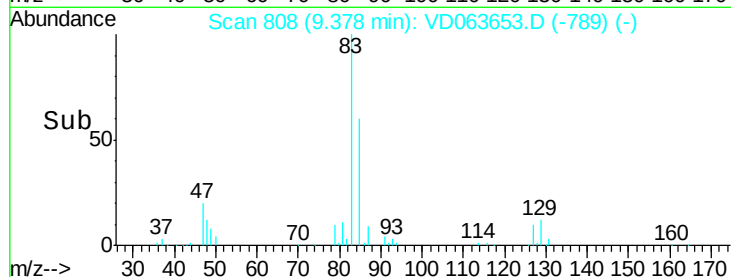
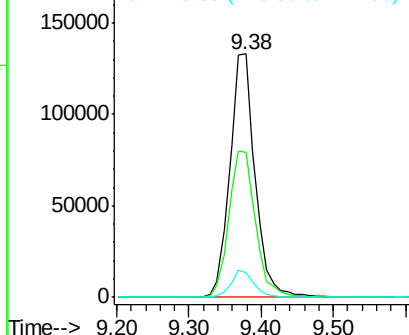
83 100

85 59.8 50.1 75.1

127 10.1 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: 20.052 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

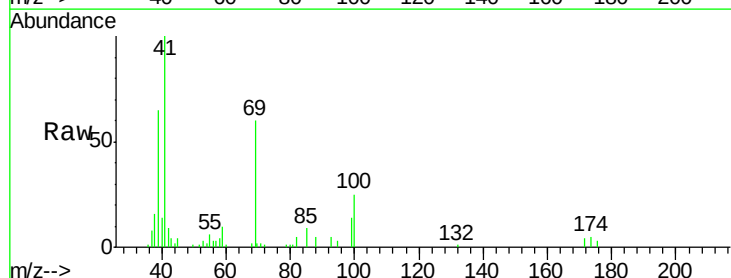
Tgt Ion: 41 Resp: 103186

Ion Ratio Lower Upper

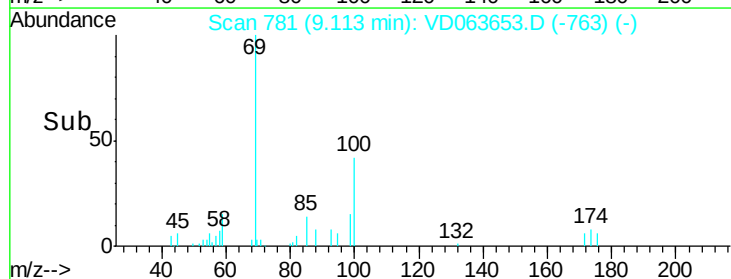
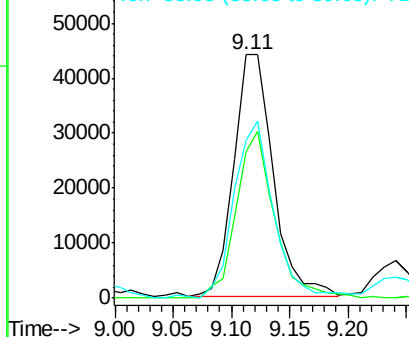
41 100

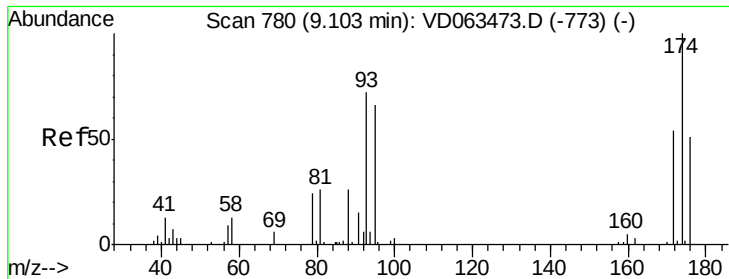
69 62.1 47.6 71.4

39 64.9 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: 383.539 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

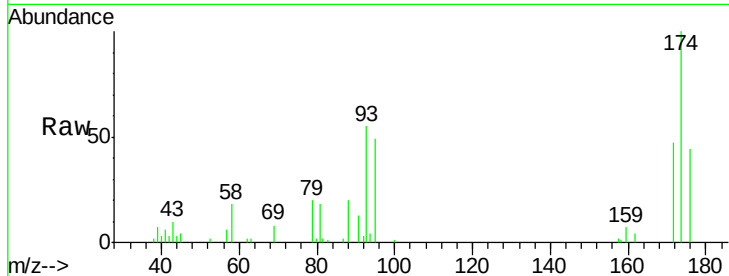
Tot Ion: 88 Resp: 16906

Ion Ratio Lower Upper

88 100

43 47.6 22.9 34.3#

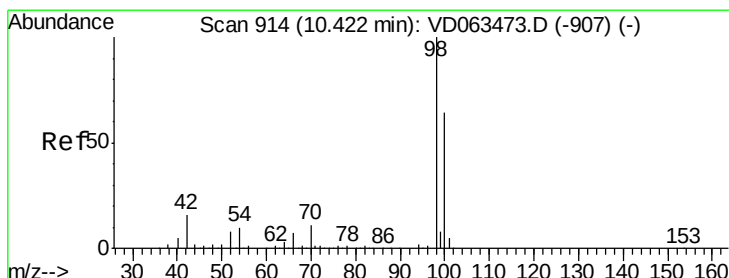
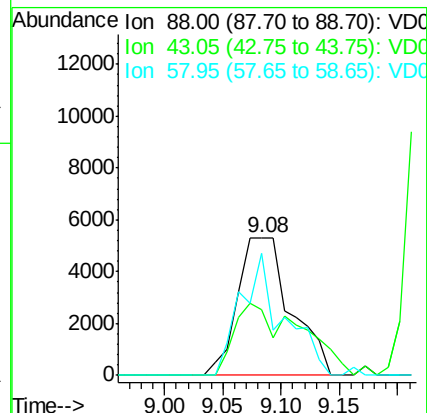
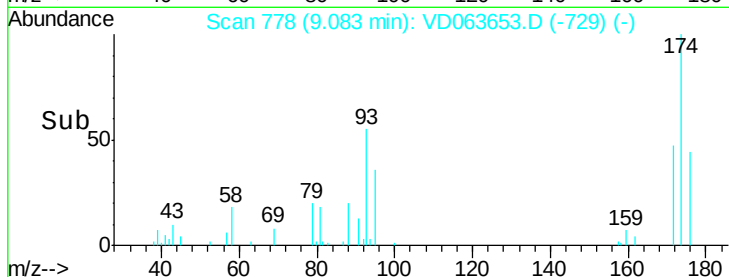
58 88.8 40.1 60.1#



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: 51.575 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063653.D

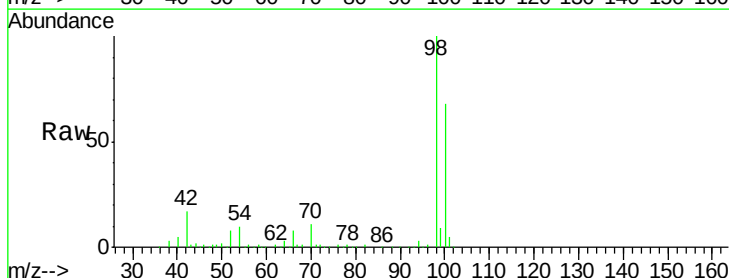
Acq: 19 Aug 2019 13:14

Tgt Ion: 98 Resp: 1460568

Ion Ratio Lower Upper

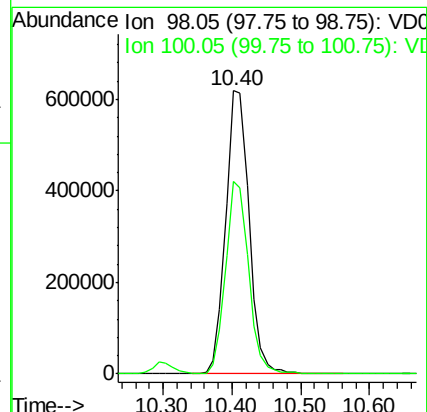
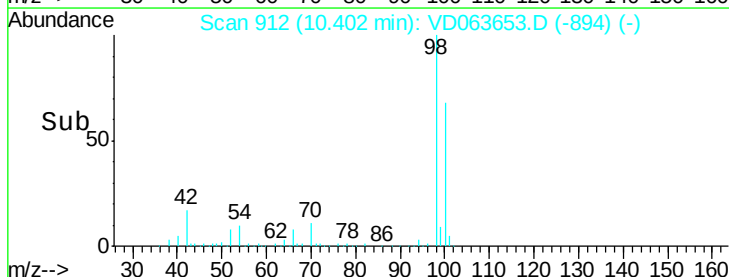
98 100

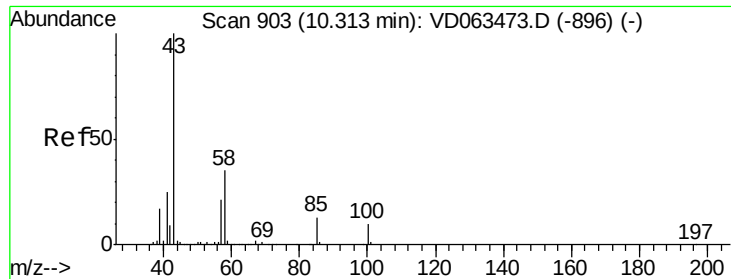
100 67.8 51.7 77.5



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: 98.788 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

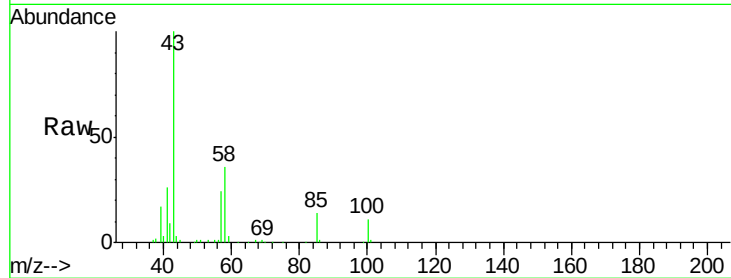
VD0819SBSD01

Tot Ion: 43 Resp: 512926

Ion Ratio Lower Upper

43 100

58 36.0 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

250000

200000

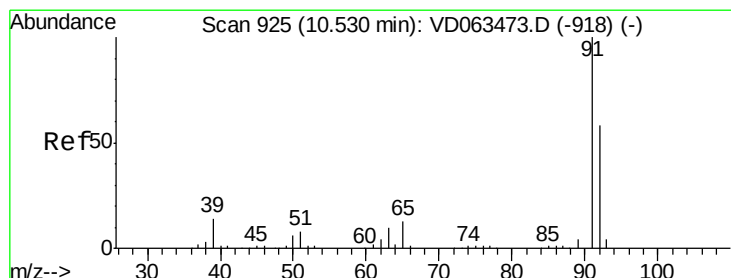
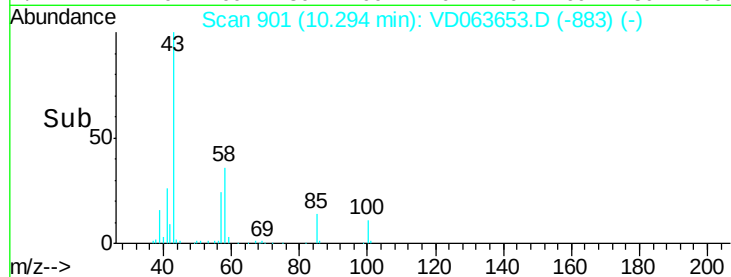
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.850 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063653.D

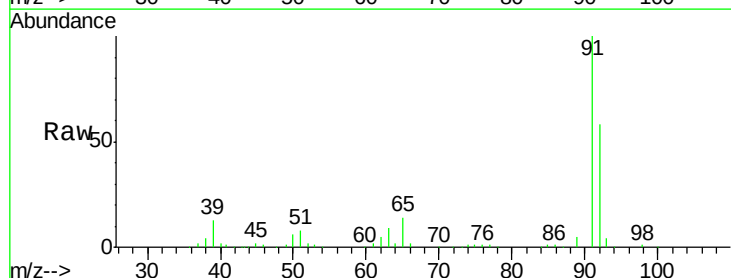
Acq: 19 Aug 2019 13:14

Tgt Ion: 92 Resp: 399582

Ion Ratio Lower Upper

92 100

91 172.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

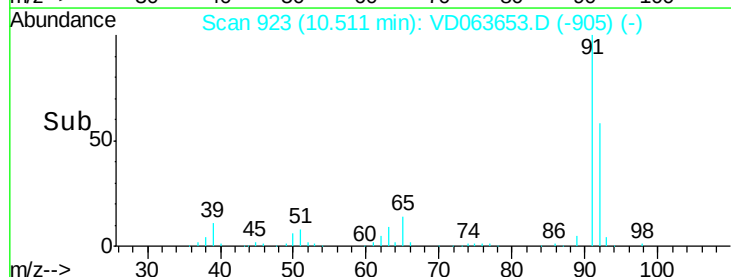
300000

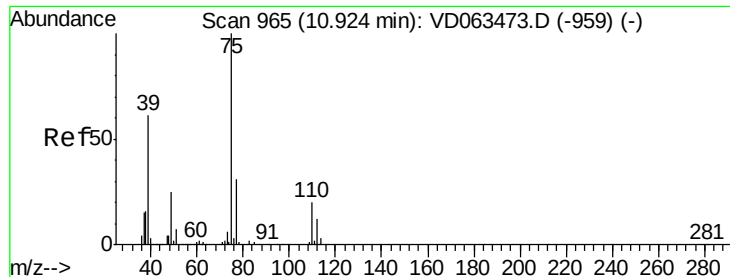
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.177 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

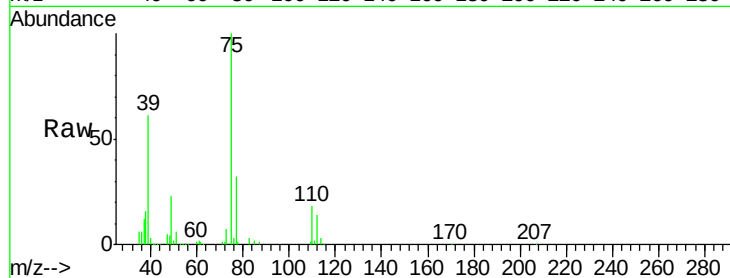
VD0819SBSD01

Tot Ion: 75 Resp: 262319

Ion Ratio Lower Upper

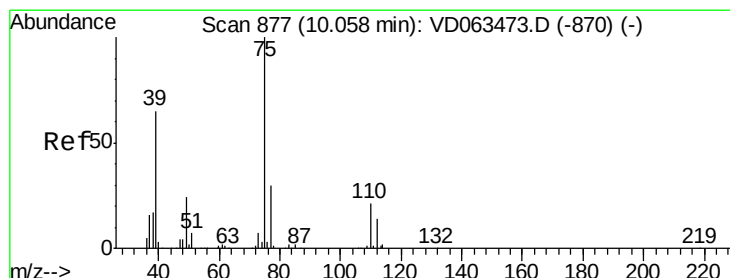
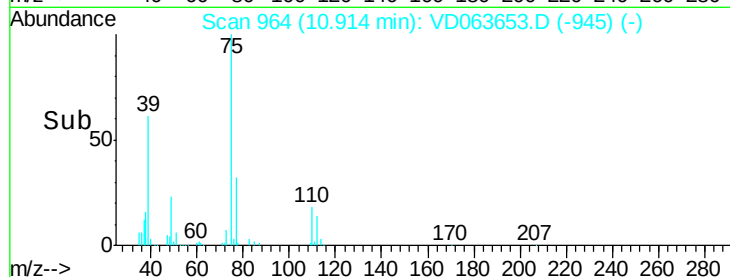
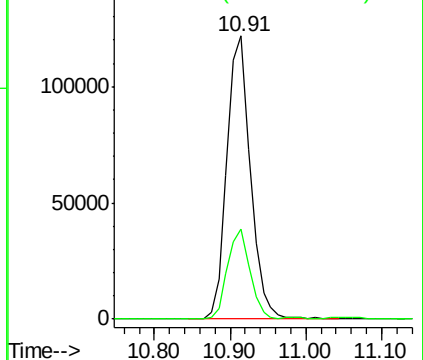
75 100

77 31.7 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.192 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

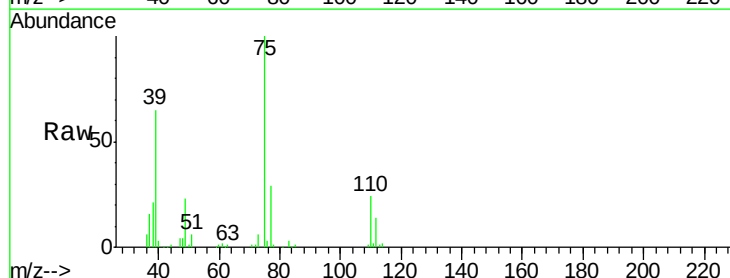
Tgt Ion: 75 Resp: 295995

Ion Ratio Lower Upper

75 100

77 28.8 23.7 35.5

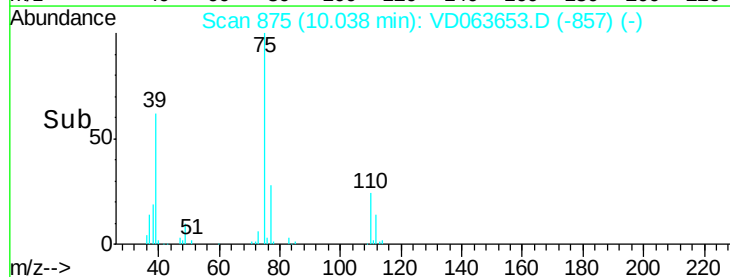
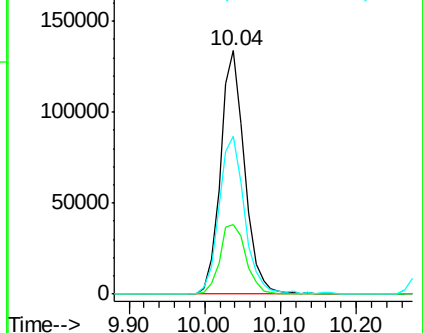
39 64.7 52.2 78.4

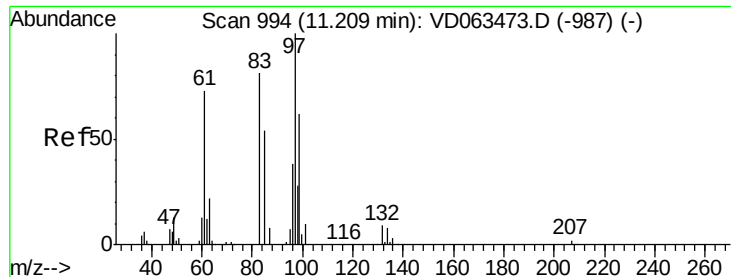


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.077 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

Tot Ion: 97 Resp: 136441

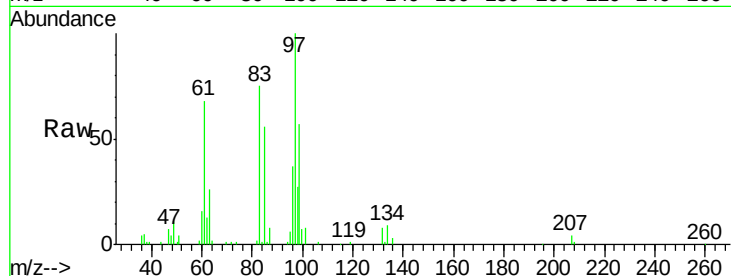
Ion Ratio Lower Upper

97 100

83 74.6 64.7 97.1

85 55.8 42.9 64.3

99 56.9 49.7 74.5

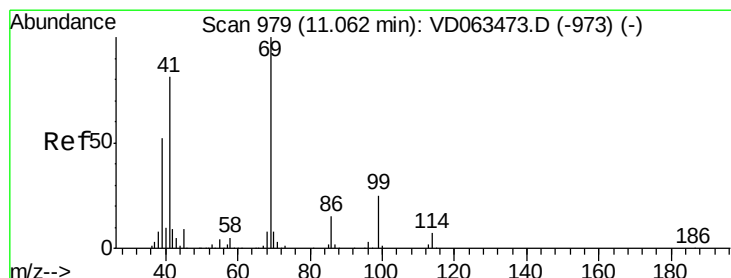
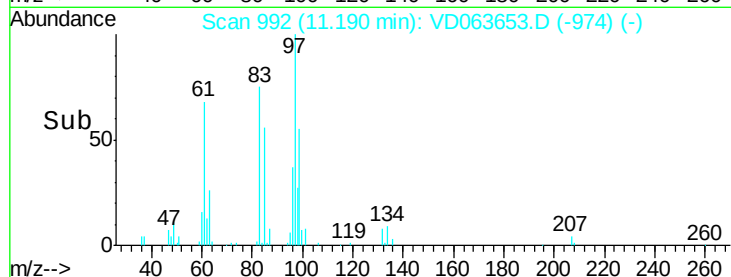
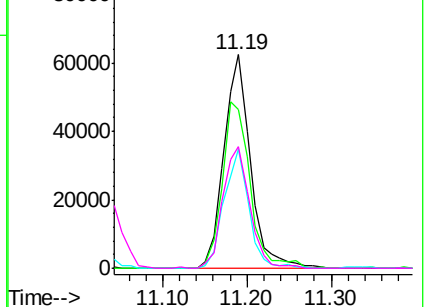


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.670 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

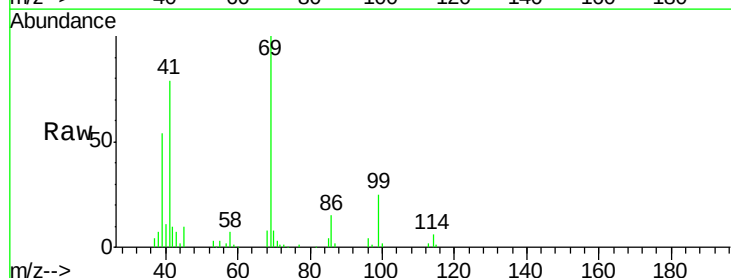
Tgt Ion: 69 Resp: 145237

Ion Ratio Lower Upper

69 100

41 79.3 64.8 97.2

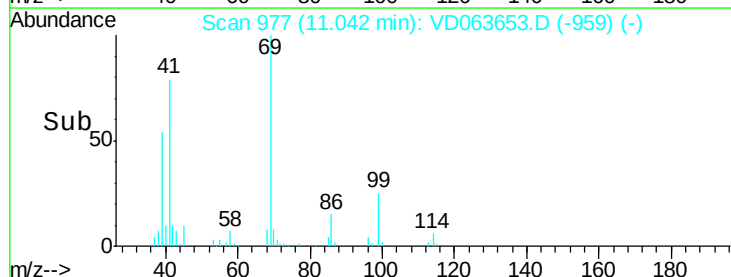
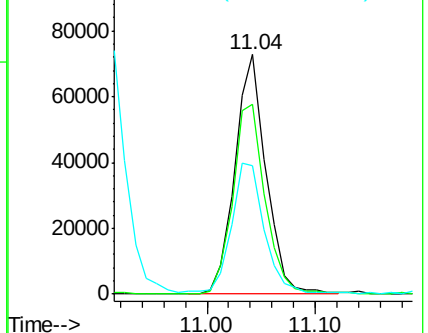
39 53.8 42.4 63.6

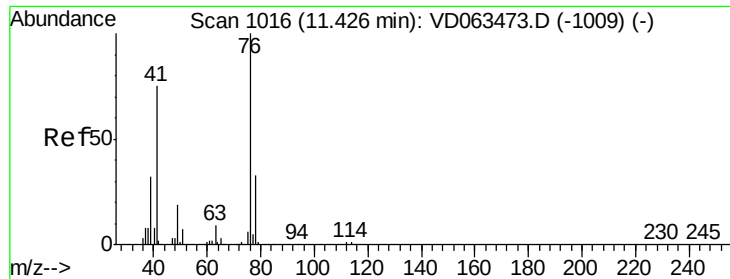


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

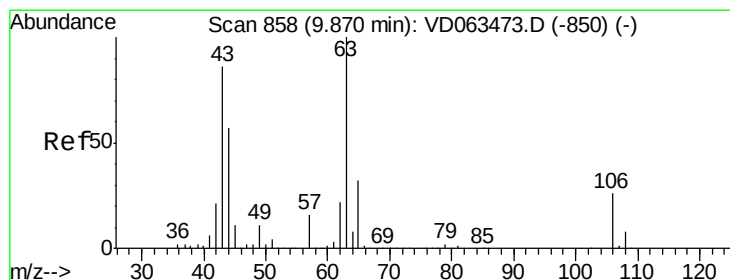
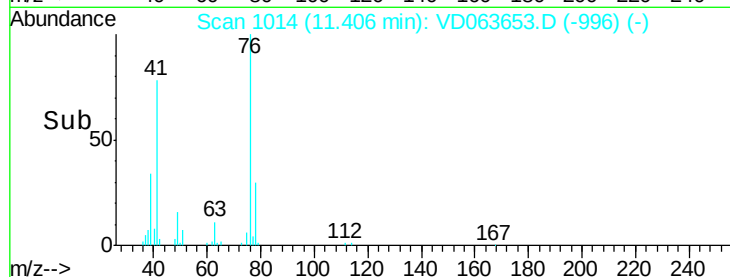
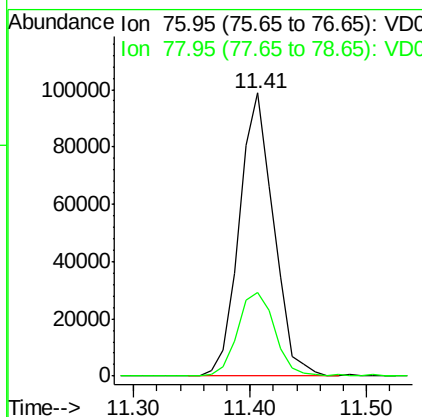
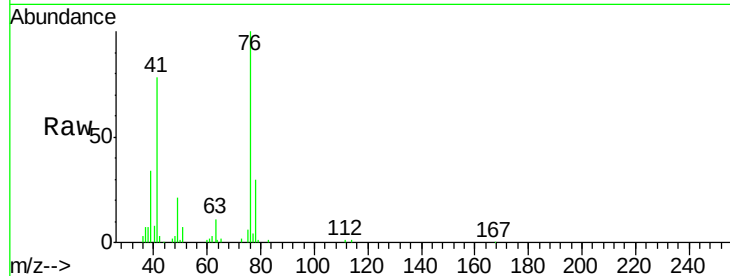




#57
 1,3-Dichloropropane
 Concen: 20.532 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

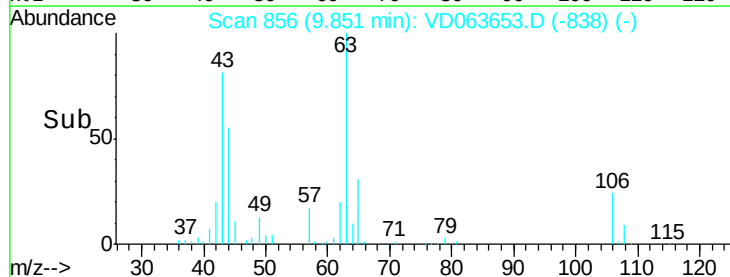
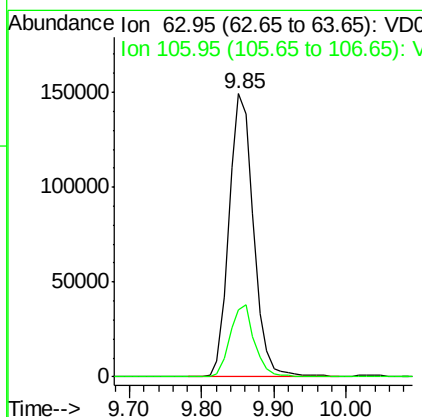
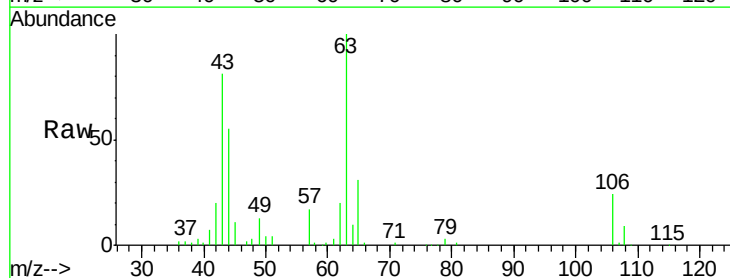
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

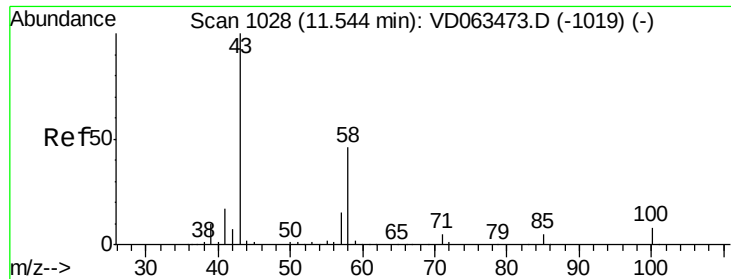
Tot Ion: 76 Resp: 200918
 Ion Ratio Lower Upper
 76 100
 78 29.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.400 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion: 63 Resp: 353886
 Ion Ratio Lower Upper
 63 100
 106 23.7 20.8 31.2

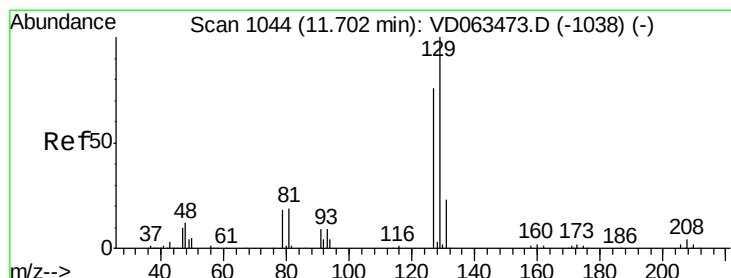
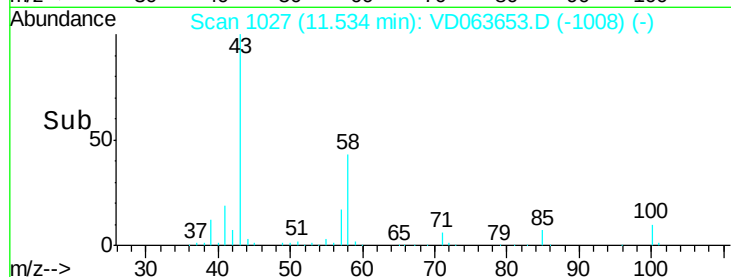
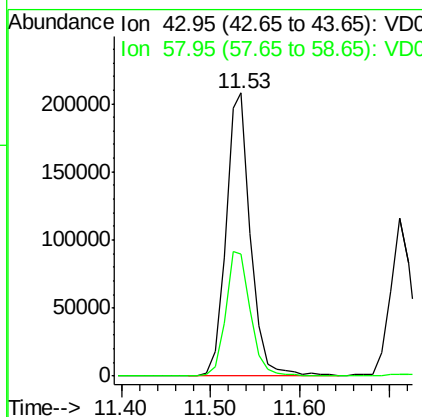
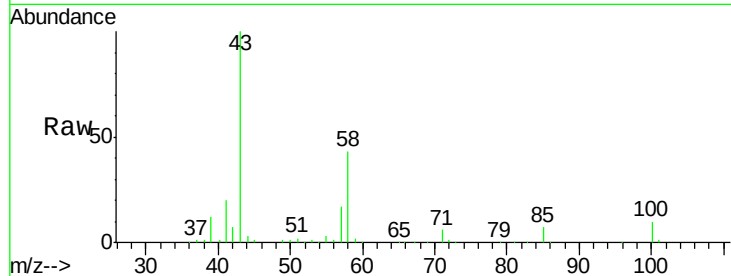




#59
2-Hexanone
Concen: 106.357 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

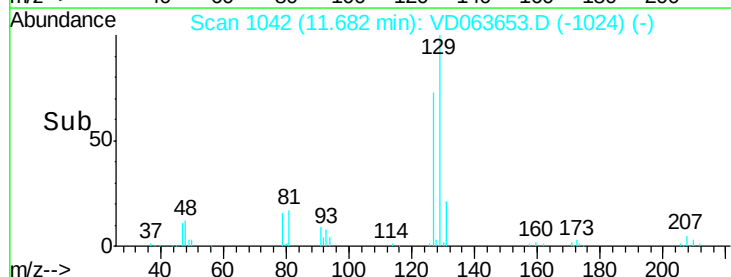
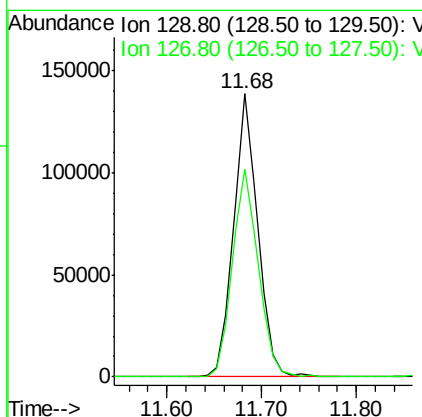
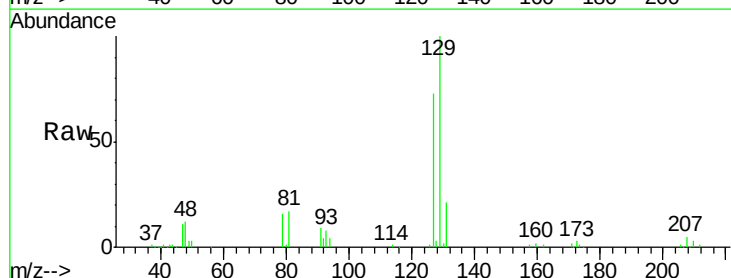
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

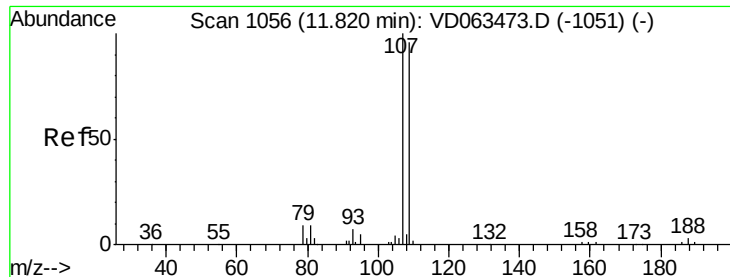
Tot Ion: 43 Resp: 401816
Ion Ratio Lower Upper
43 100
58 43.2 23.1 69.2



#60
Dibromochloromethane
Concen: 20.822 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 129 Resp: 245272
Ion Ratio Lower Upper
129 100
127 73.4 37.8 113.4

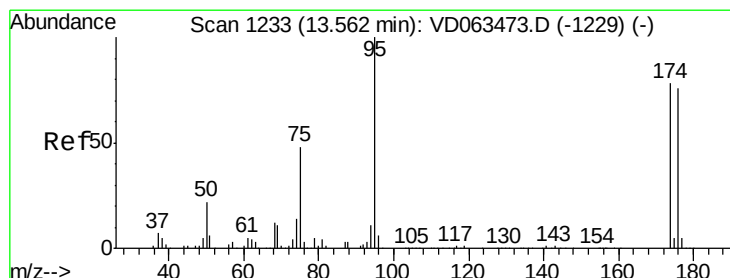
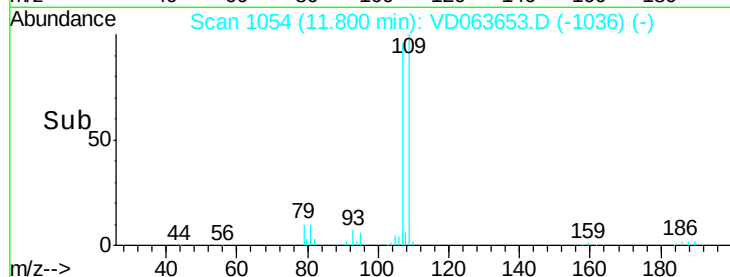
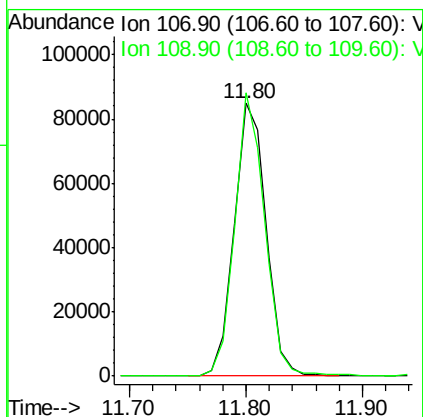
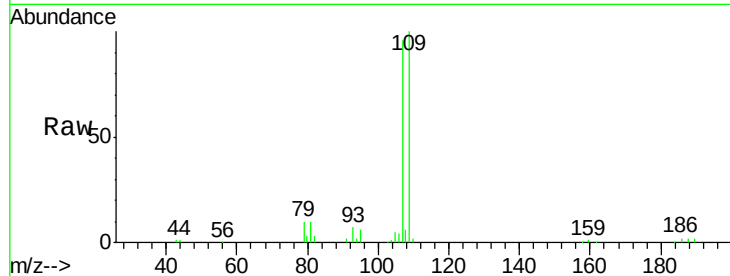




#61
 1,2-Dibromoethane
 Concen: 20.499 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

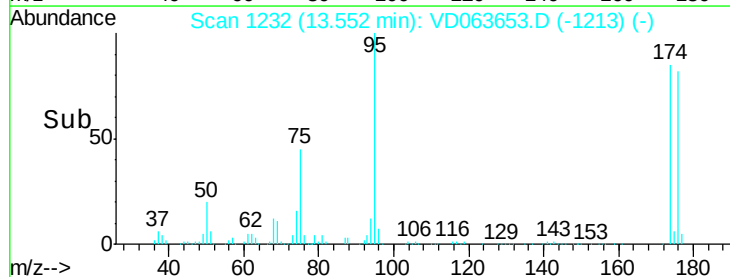
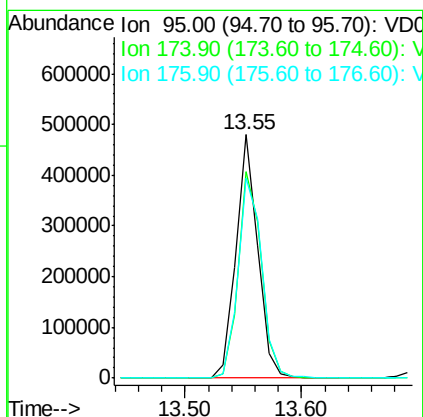
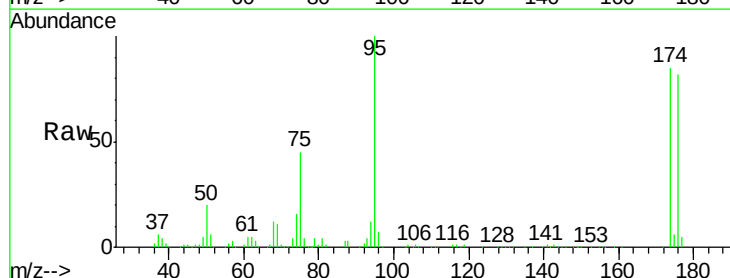
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

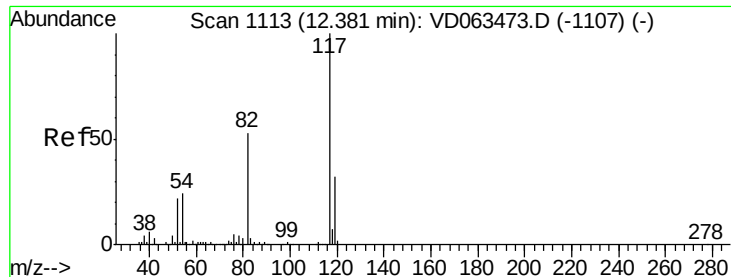
Tot Ion:107 Resp: 160651
 Ion Ratio Lower Upper
 107 100
 109 103.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.325 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion: 95 Resp: 620279
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 155.4
 176 82.1 0.0 152.4

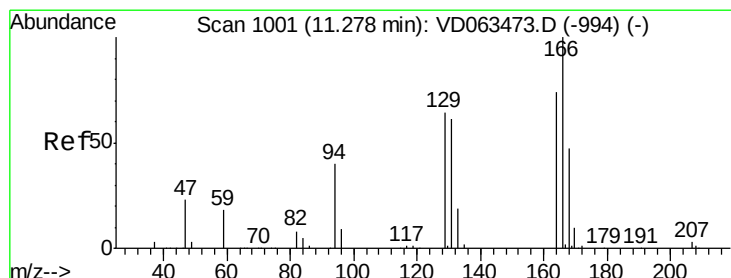
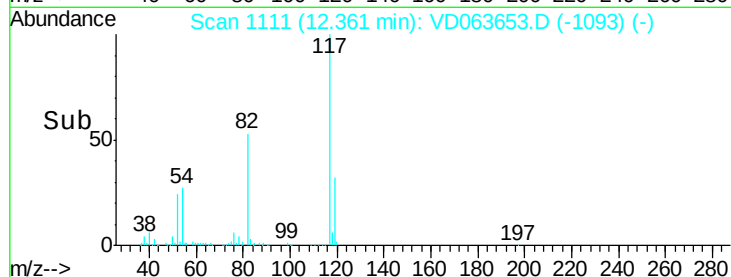
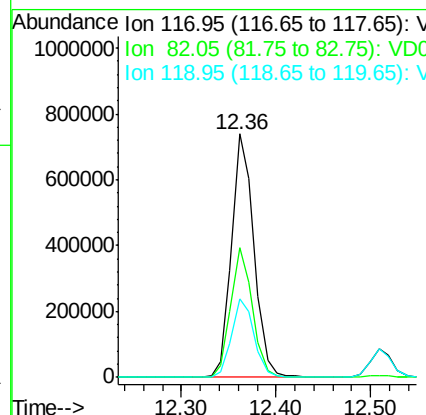
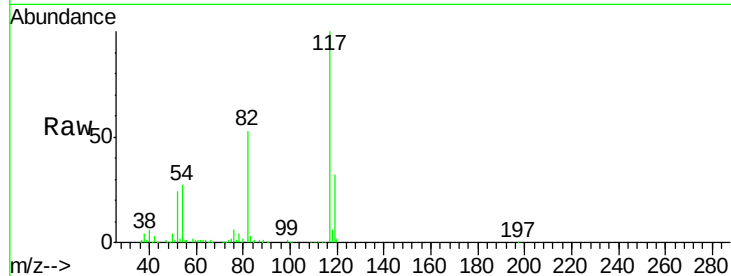




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

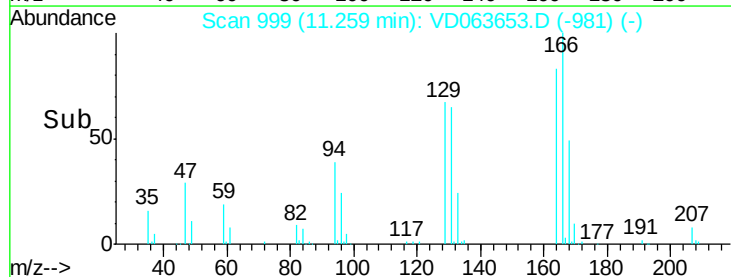
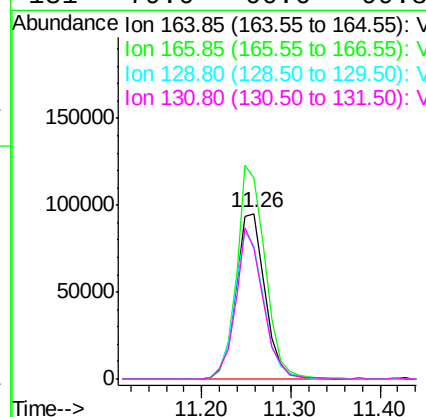
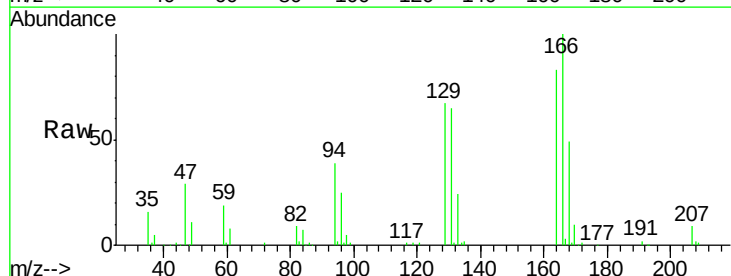
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

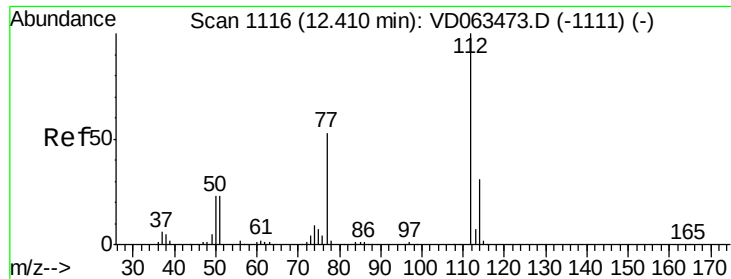
Tot Ion:117 Resp: 1214693
Ion Ratio Lower Upper
117 100
82 53.4 42.0 63.0
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 23.165 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion:164 Resp: 217217
Ion Ratio Lower Upper
164 100
166 121.1 108.6 163.0
129 80.6 69.0 103.6
131 79.0 66.6 99.8

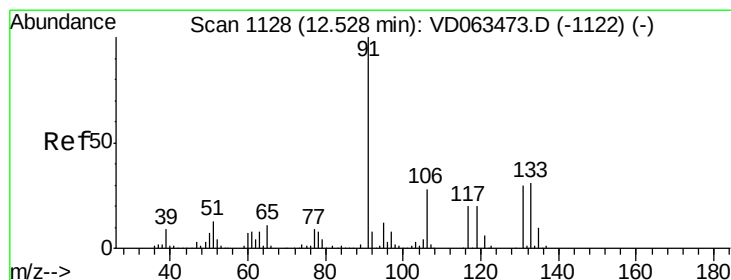
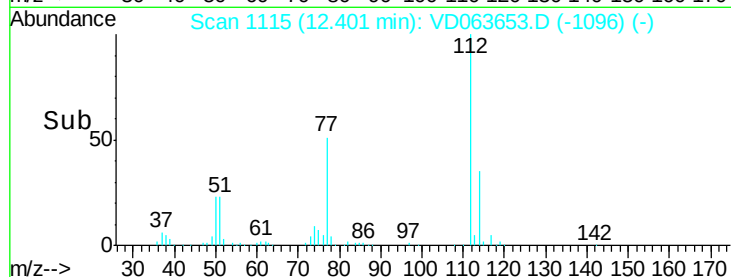
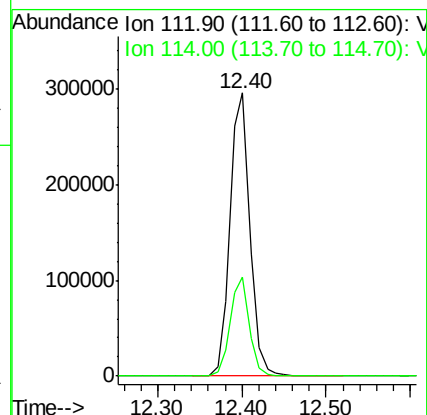
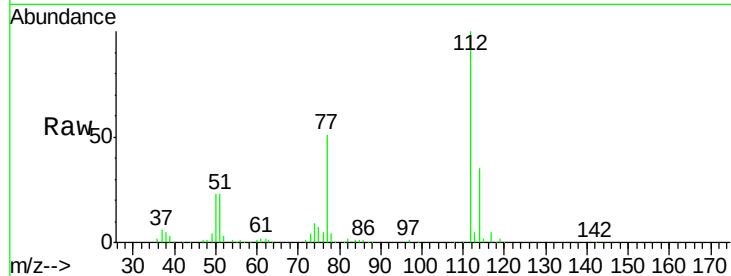




#65
Chlorobenzene
Concen: 21.257 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

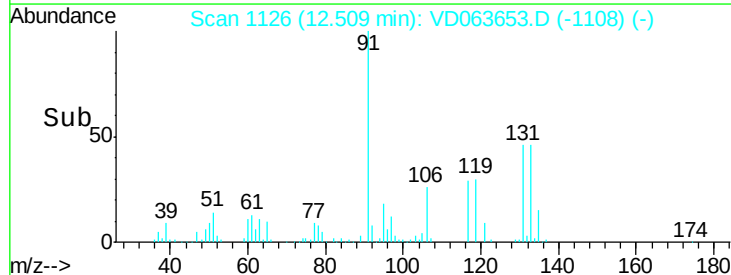
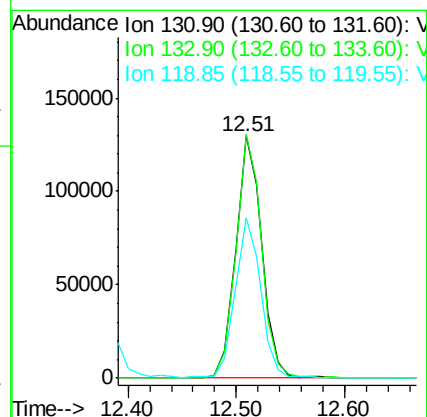
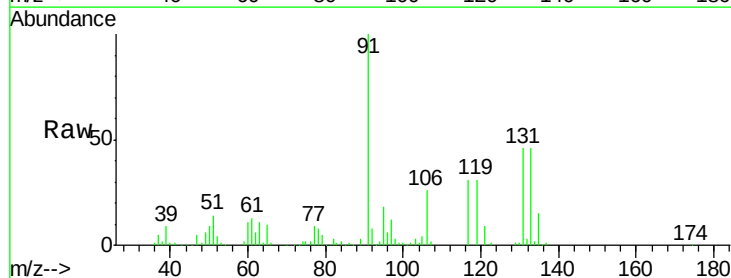
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

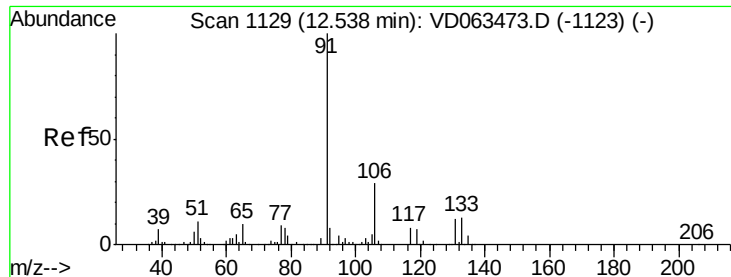
Tot Ion:112 Resp: 483946
Ion Ratio Lower Upper
112 100
114 35.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.520 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion:131 Resp: 215615
Ion Ratio Lower Upper
131 100
133 100.5 51.1 153.3
119 66.0 33.1 99.3

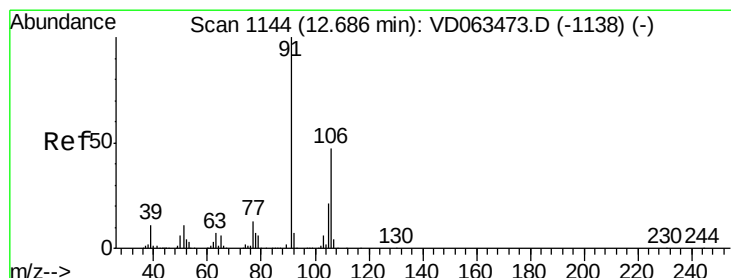
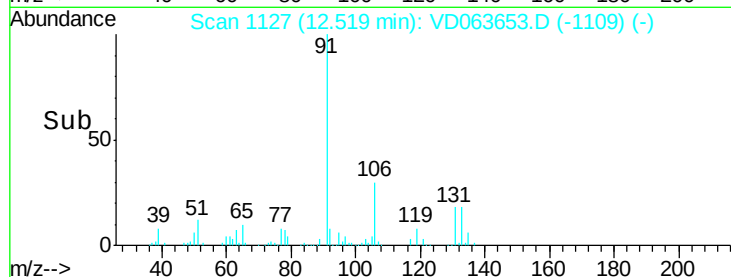
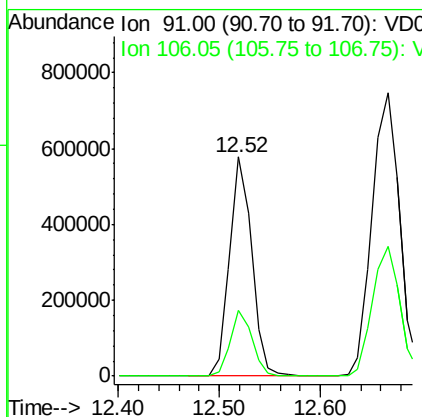
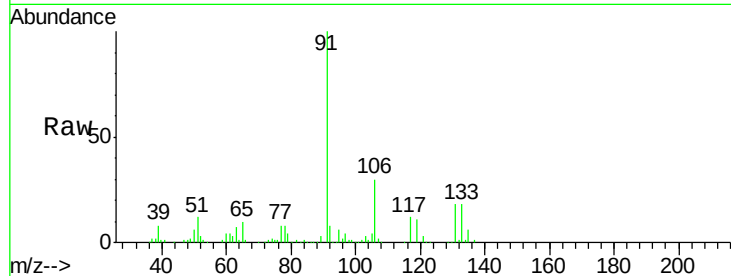




#67
Ethyl Benzene
Concen: 22.395 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

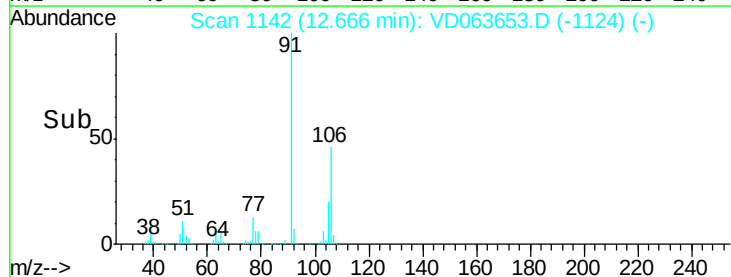
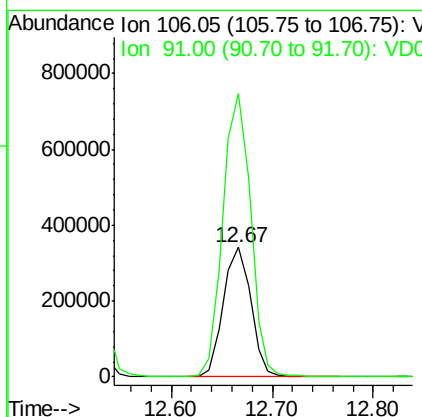
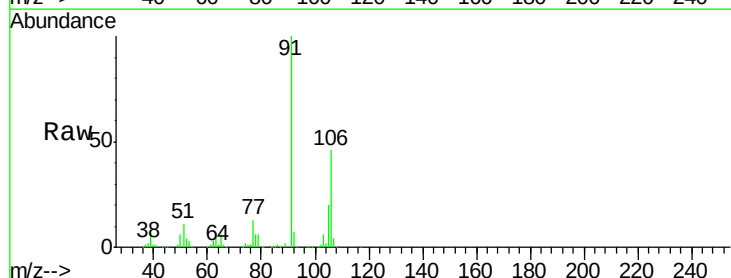
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

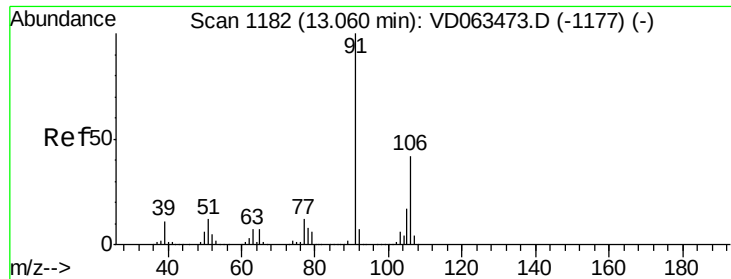
Tot Ion: 91 Resp: 886517
Ion Ratio Lower Upper
91 100
106 29.9 23.1 34.7



#68
m/p-Xylenes
Concen: 46.927 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 106 Resp: 652634
Ion Ratio Lower Upper
106 100
91 218.5 171.8 257.8

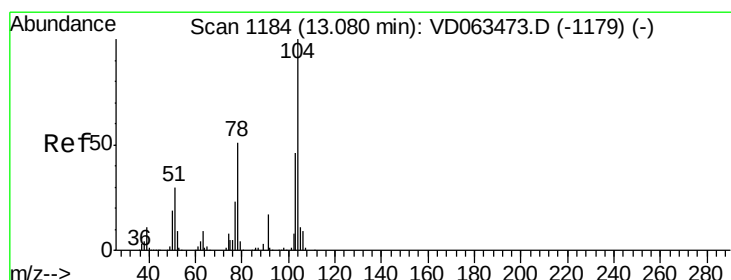
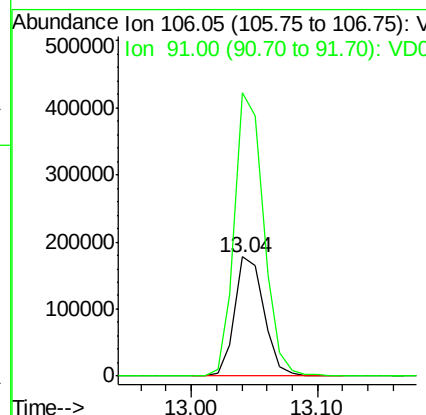
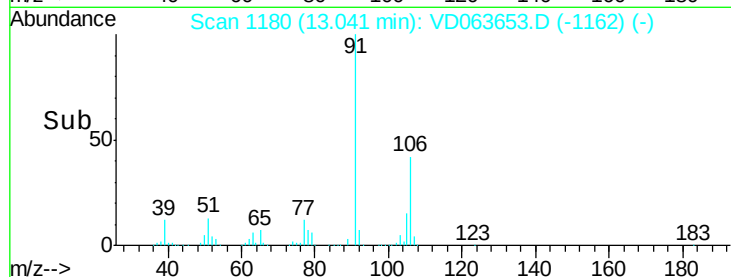
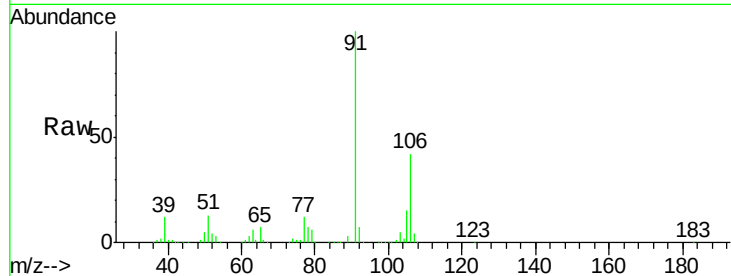




#69
o-Xylene
Concen: 21.219 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

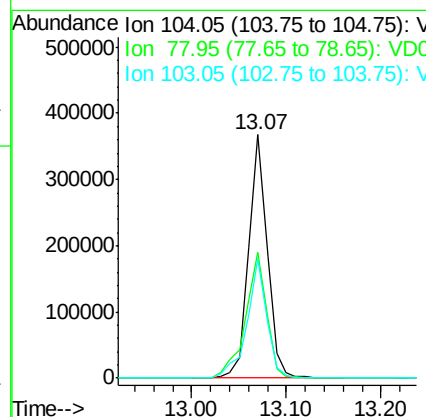
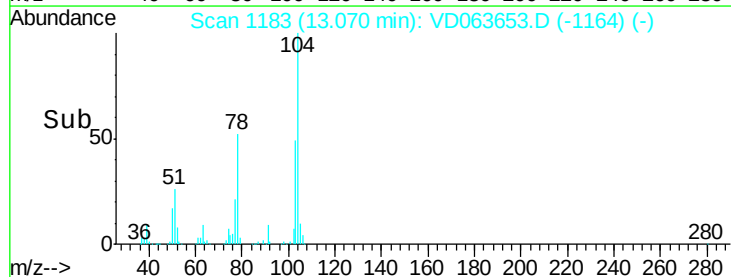
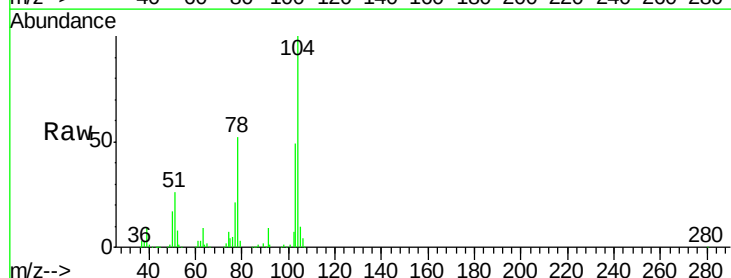
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

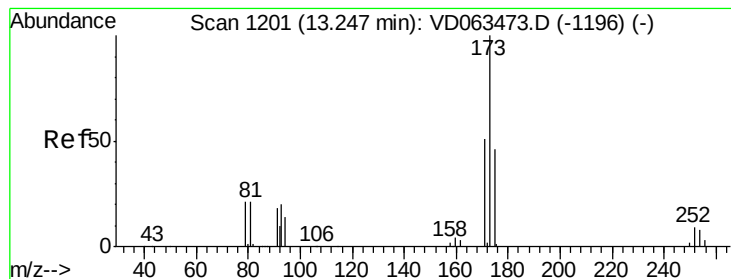
Tot Ion:106 Resp: 284020
Ion Ratio Lower Upper
106 100
91 237.6 118.1 354.2



#70
Styrene
Concen: 20.906 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion:104 Resp: 497775
Ion Ratio Lower Upper
104 100
78 51.9 40.8 61.2
103 49.3 36.4 54.6





#71

Bromoform

Concen: 21.735 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

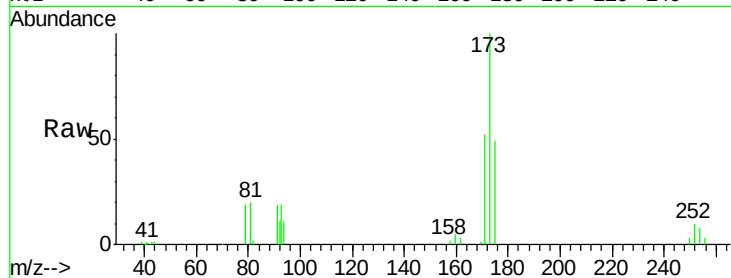
Tot Ion:173 Resp: 149325

Ion Ratio Lower Upper

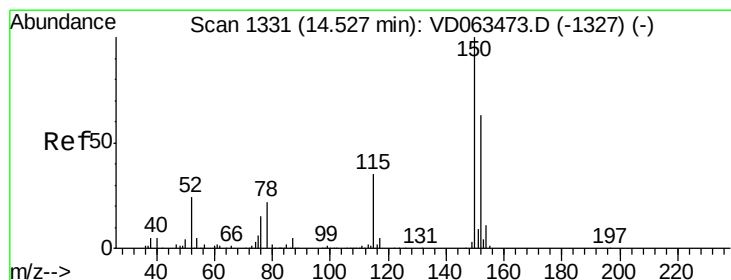
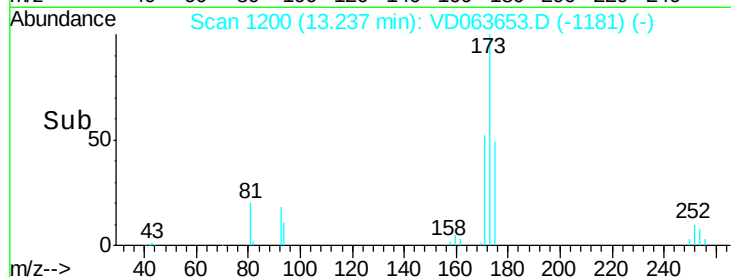
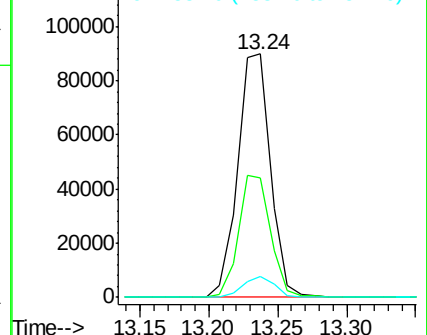
173 100

175 49.3 22.8 68.3

254 8.4 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. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

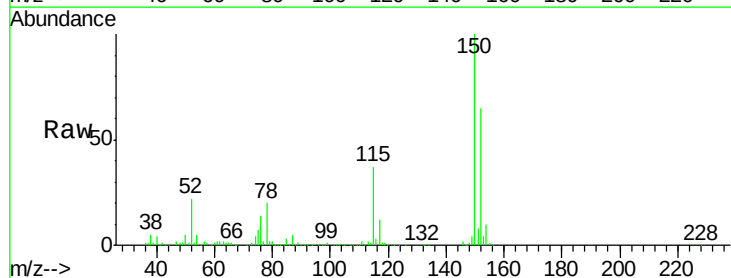
Tgt Ion:152 Resp: 695525

Ion Ratio Lower Upper

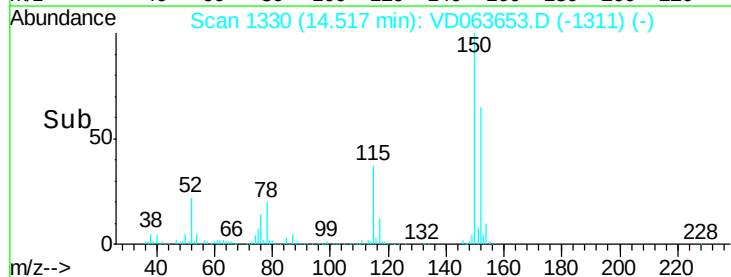
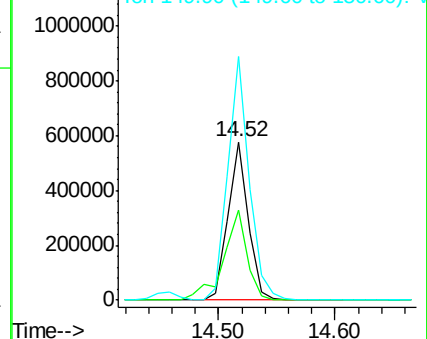
152 100

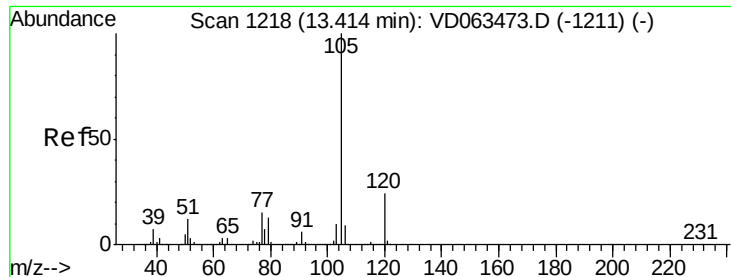
115 56.6 30.9 92.7

150 154.1 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: 20.954 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

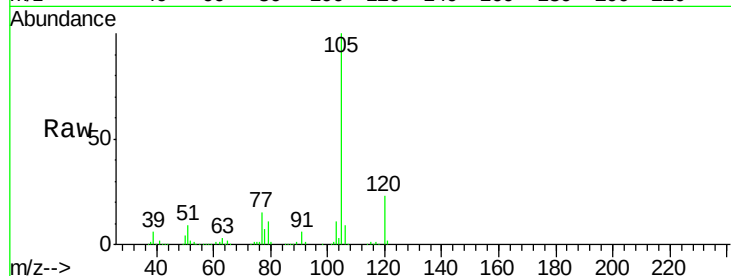
VD0819SBSD01

Tot Ion: 105 Resp: 926975

Ion Ratio Lower Upper

105 100

120 23.4 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

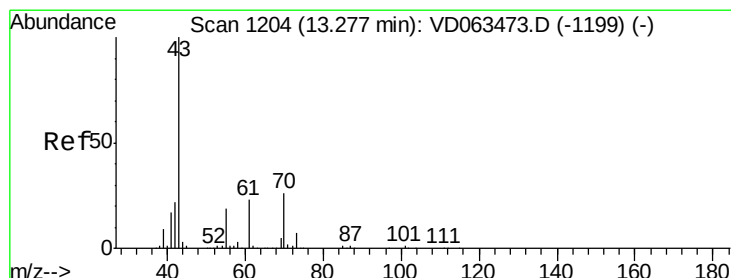
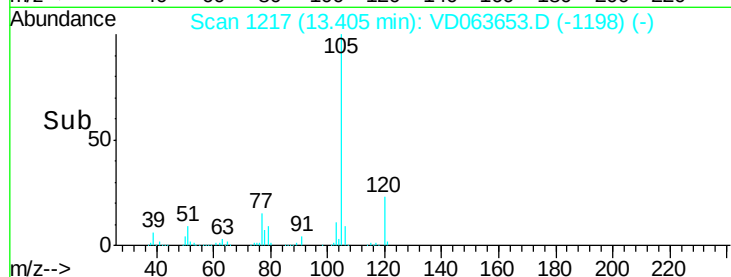
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.384 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Tgt Ion: 43 Resp: 215264

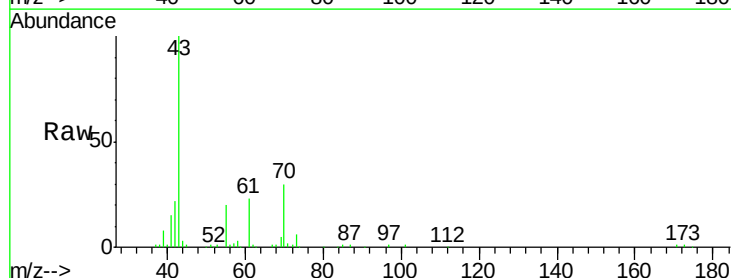
Ion Ratio Lower Upper

43 100

70 30.4 21.1 31.7

55 19.5 15.4 23.0

61 23.1 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

200000

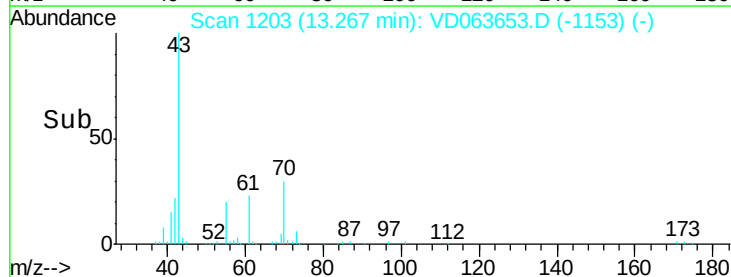
150000

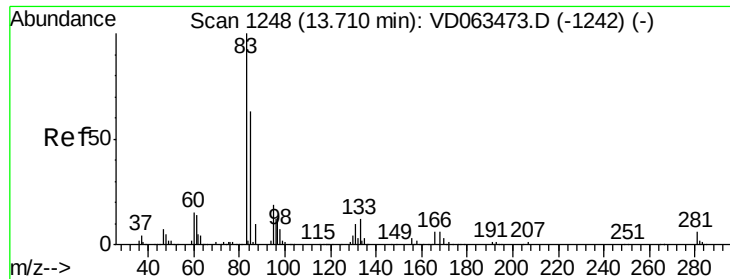
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.746 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

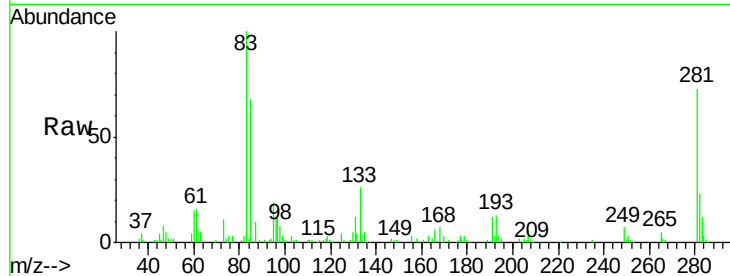
Tot Ion: 83 Resp: 144992

Ion Ratio Lower Upper

83 100

131 11.8 5.3 15.8

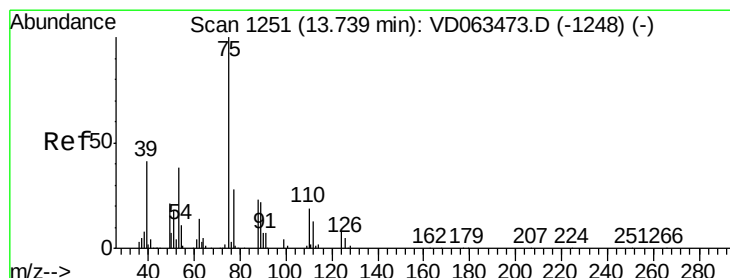
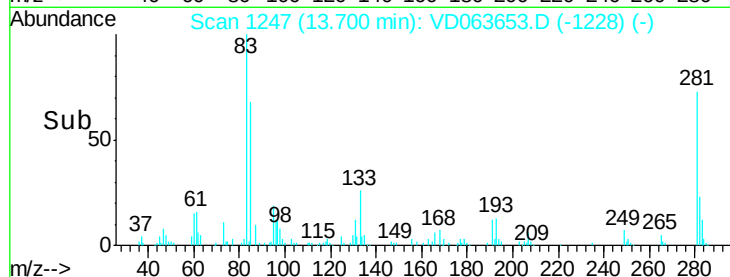
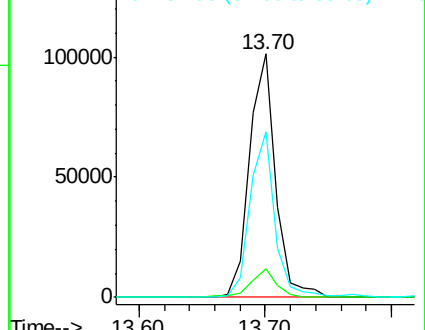
85 68.2 31.4 94.3



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: 21.073 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063653.D

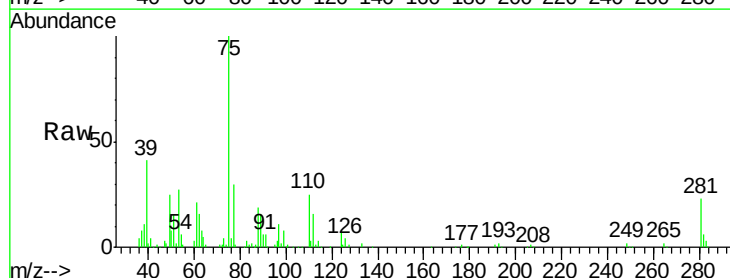
Acq: 19 Aug 2019 13:14

Tgt Ion: 75 Resp: 168209

Ion Ratio Lower Upper

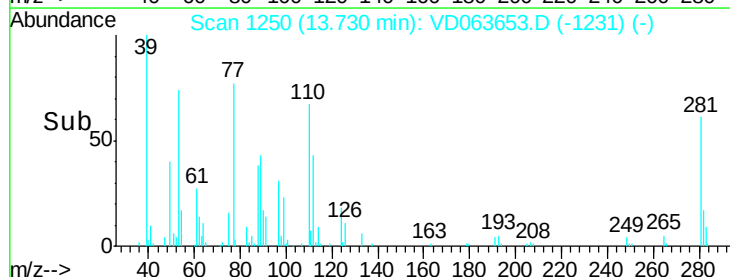
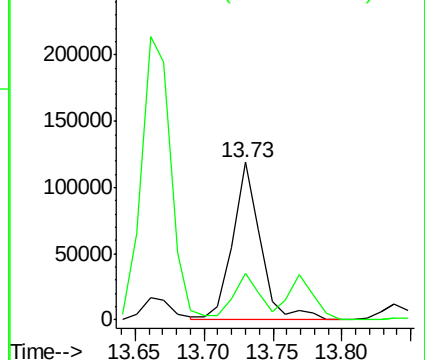
75 100

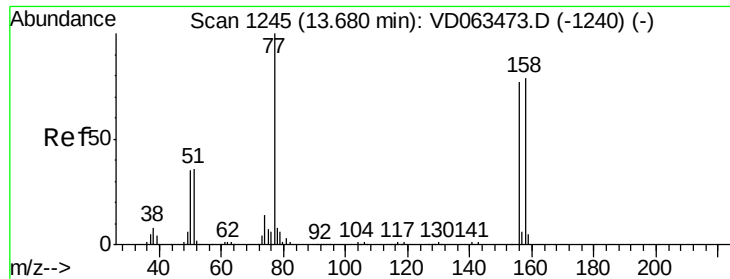
77 29.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

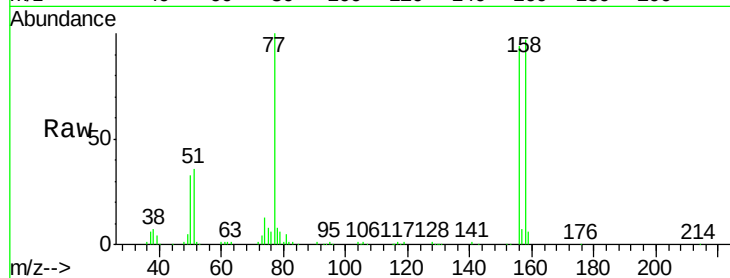




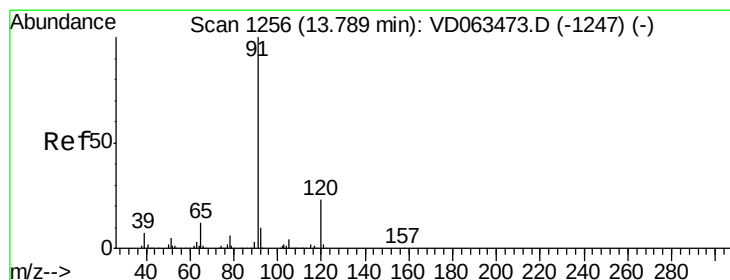
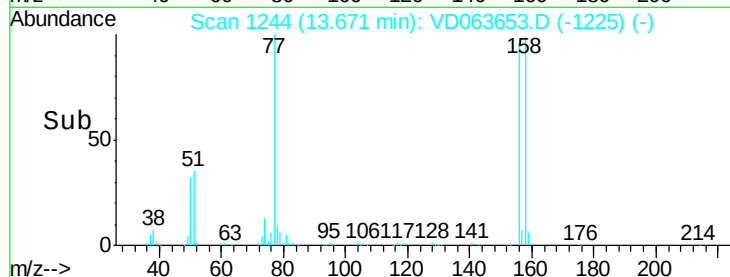
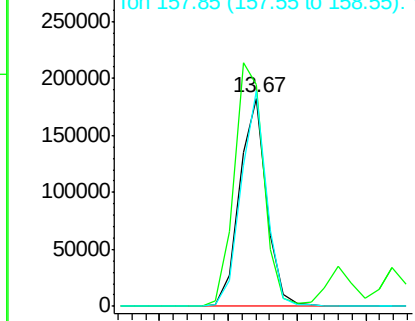
#77
Bromobenzene
Concen: 20.706 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion:156 Resp: 250356
Ion Ratio Lower Upper
156 100
77 106.2 64.6 193.8
158 103.2 50.9 152.7

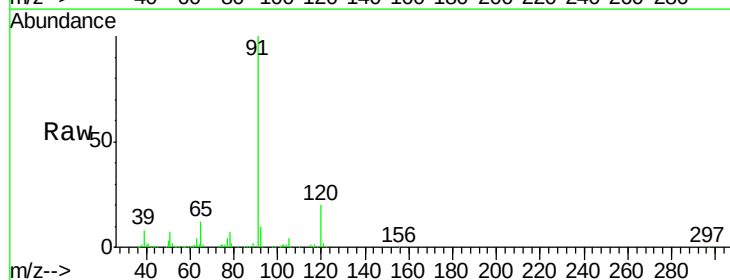


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

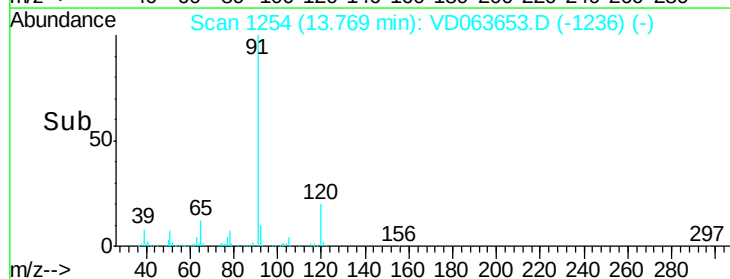
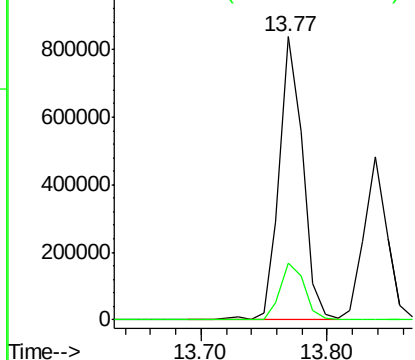


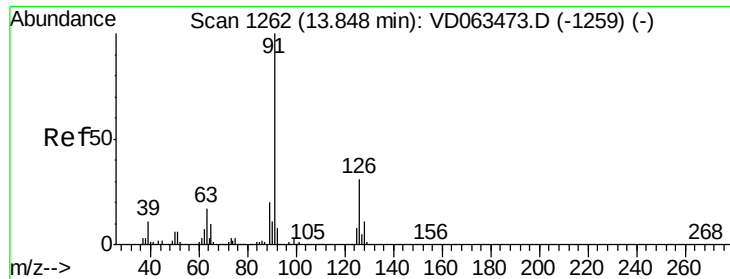
#78
n-propylbenzene
Concen: 21.232 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 91 Resp: 1099004
Ion Ratio Lower Upper
91 100
120 20.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

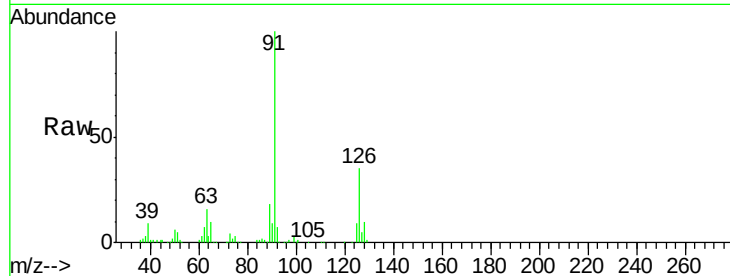




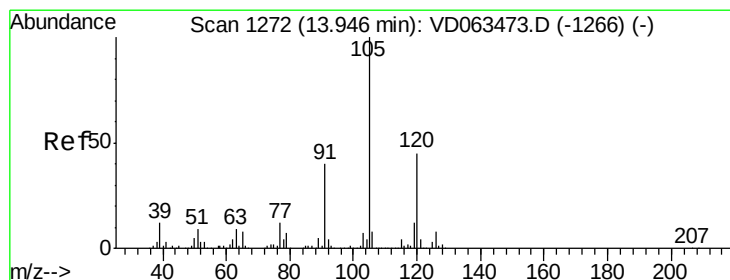
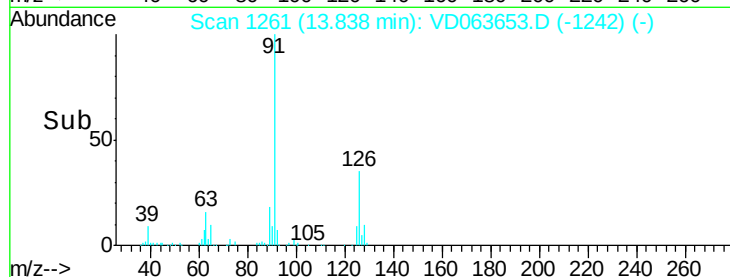
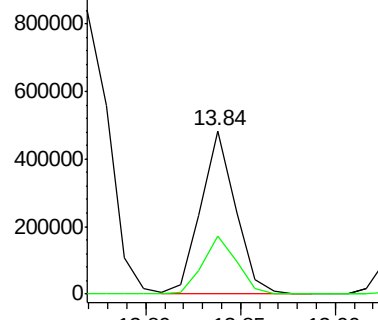
#79
2-Chlorotoluene
Concen: 20.478 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion: 91 Resp: 611148
Ion Ratio Lower Upper
91 100
126 35.3 15.6 46.7

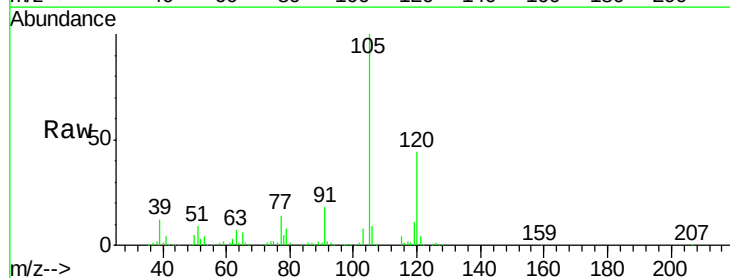


Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)
Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)

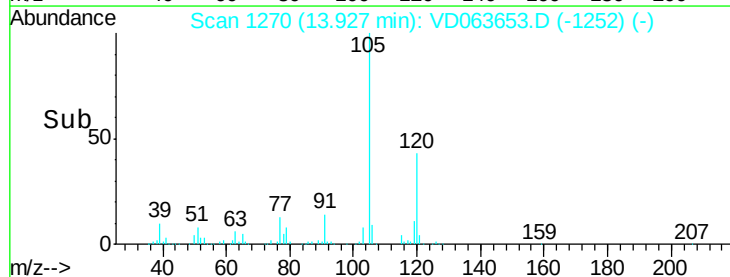
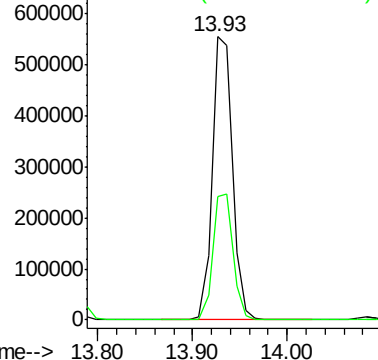


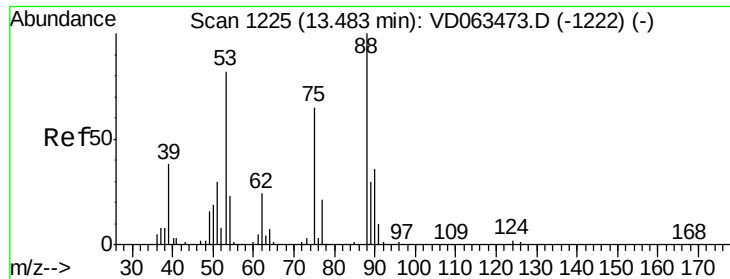
#80
1,3,5-Trimethylbenzene
Concen: 21.154 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 105 Resp: 817659
Ion Ratio Lower Upper
105 100
120 43.5 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)
Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

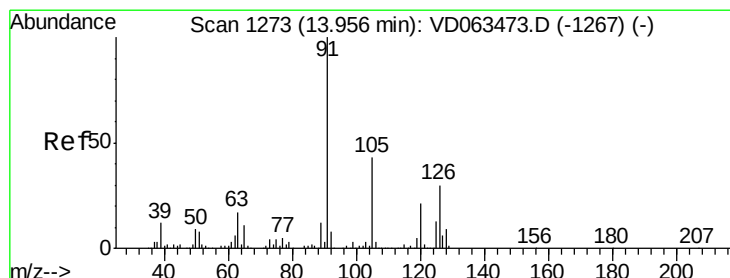
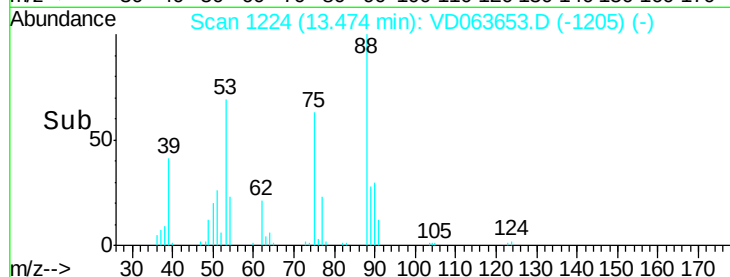
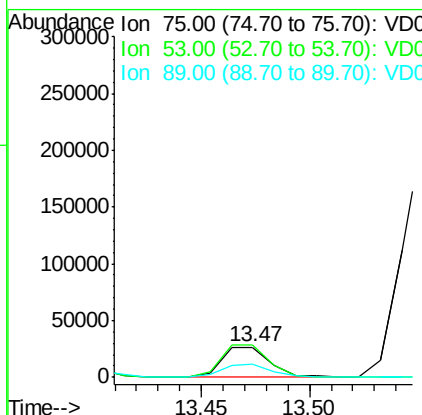
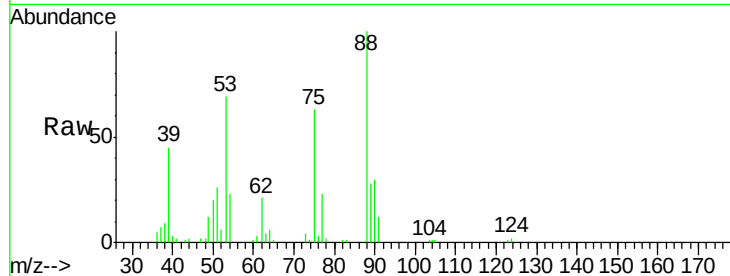




#81
trans-1,4-Dichloro-2-butene
Concen: 19.319 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

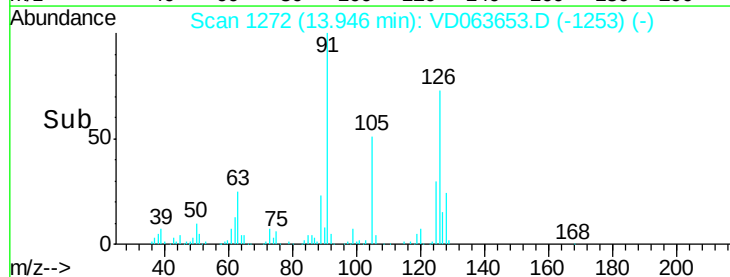
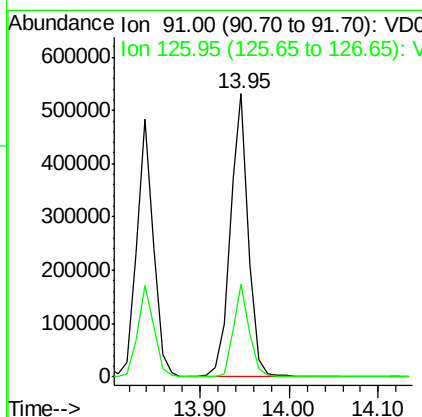
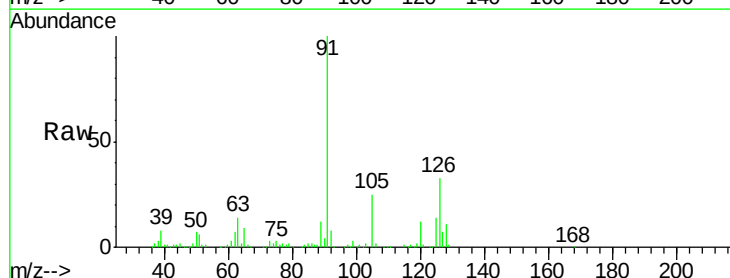
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

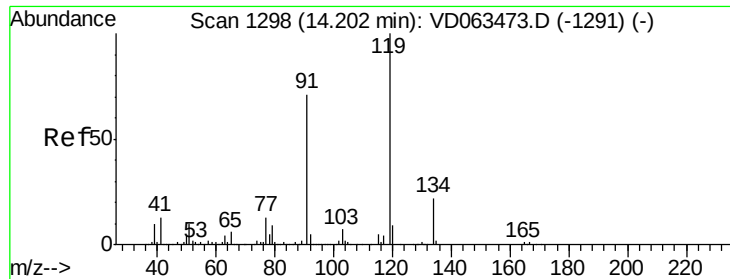
Tot Ion: 75 Resp: 41447
Ion Ratio Lower Upper
75 100
53 109.4 101.0 151.4
89 44.3 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.932 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 91 Resp: 751200
Ion Ratio Lower Upper
91 100
126 32.8 15.2 45.6





#83

tert-Butylbenzene

Concen: 21.664 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.02 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

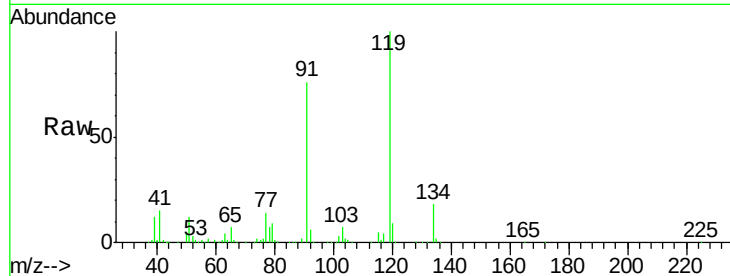
Tot Ion:119 Resp: 881820

Ion Ratio Lower Upper

119 100

91 76.3 35.5 106.7

134 18.1 11.1 33.1

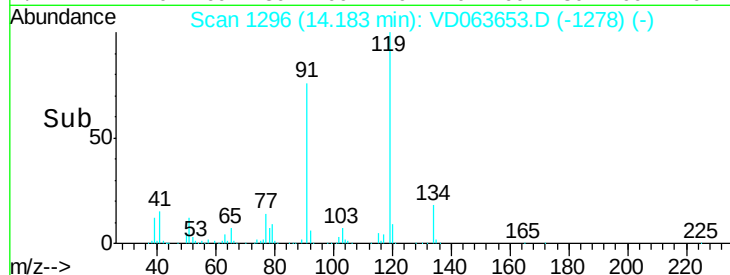


Abundance Ion 119.05 (118.75 to 119.75): V

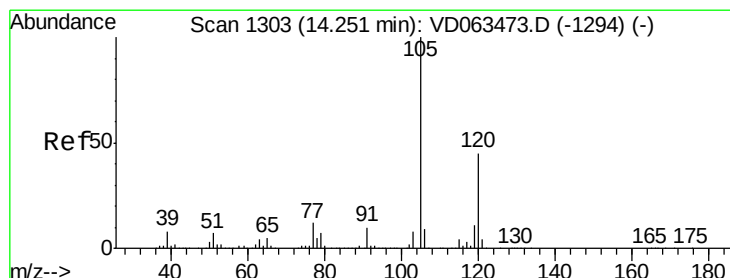
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 22.978 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.02 min

Lab File: VD063653.D

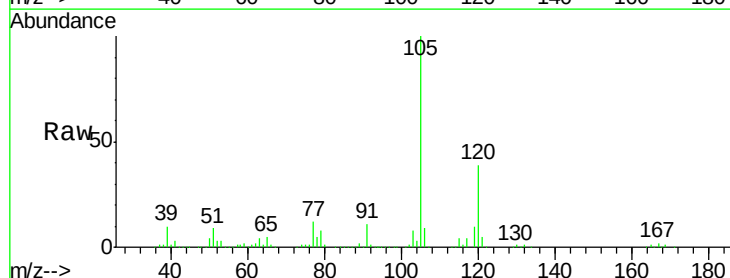
Acq: 19 Aug 2019 13:14

Tgt Ion:105 Resp: 821789

Ion Ratio Lower Upper

105 100

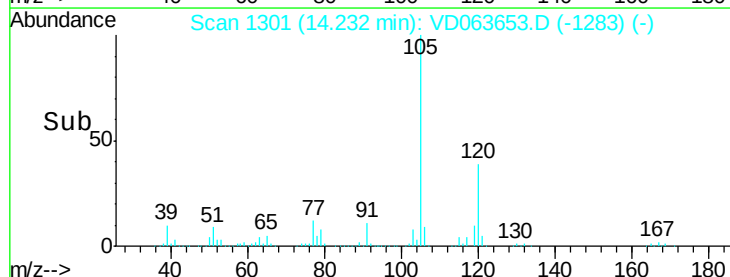
120 39.4 22.7 68.1



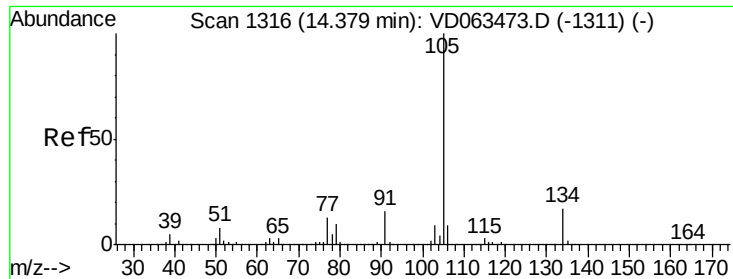
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 20.297 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

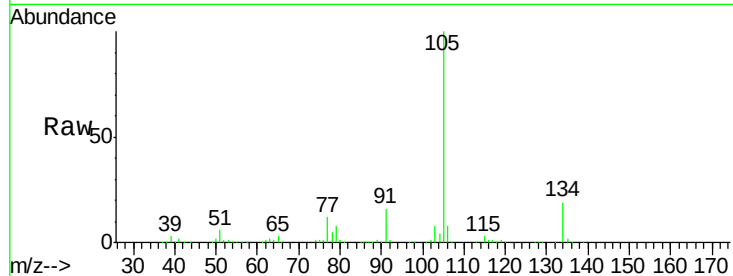
VD0819SBSD01

Tot Ion:105 Resp: 877368

Ion Ratio Lower Upper

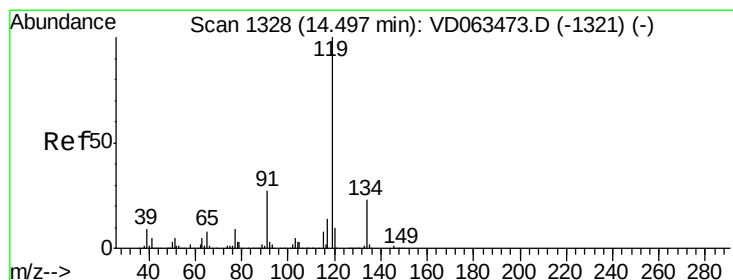
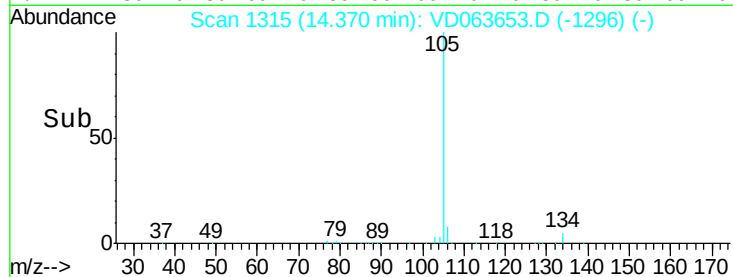
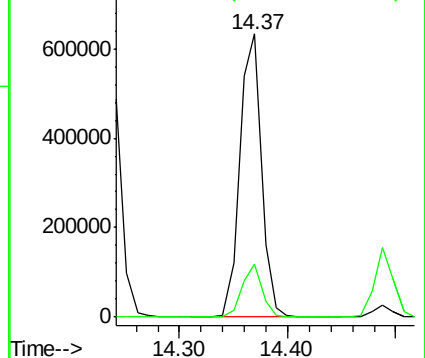
105 100

134 18.5 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: 20.868 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

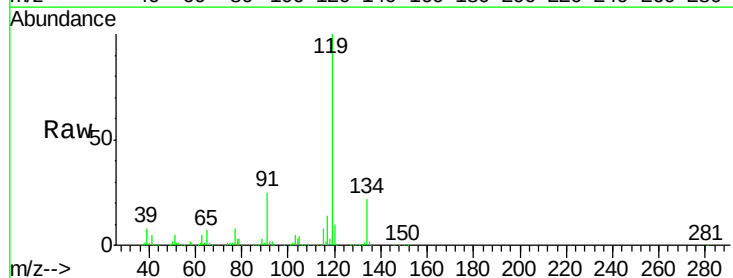
Tgt Ion:119 Resp: 862481

Ion Ratio Lower Upper

119 100

134 22.2 11.3 33.8

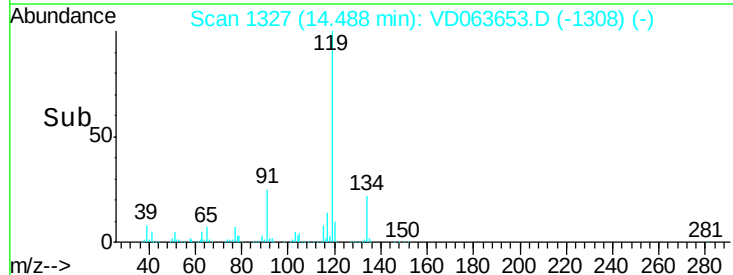
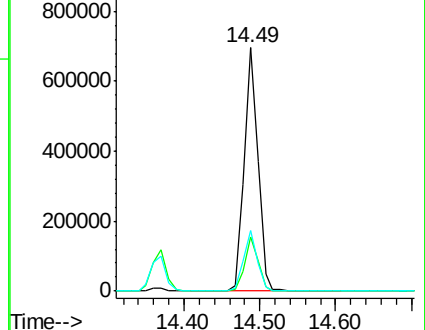
91 24.9 13.5 40.4

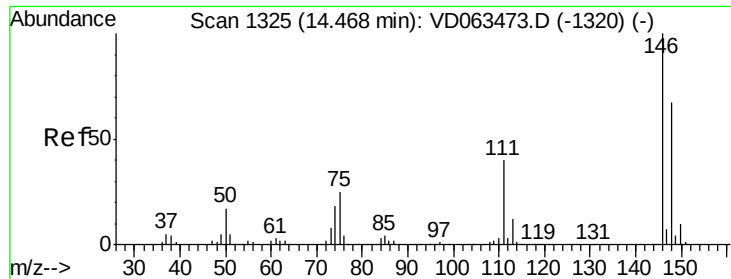


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

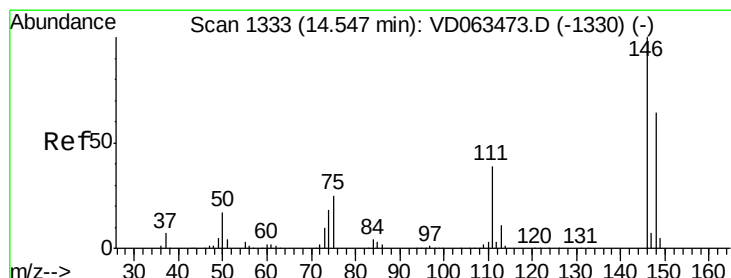
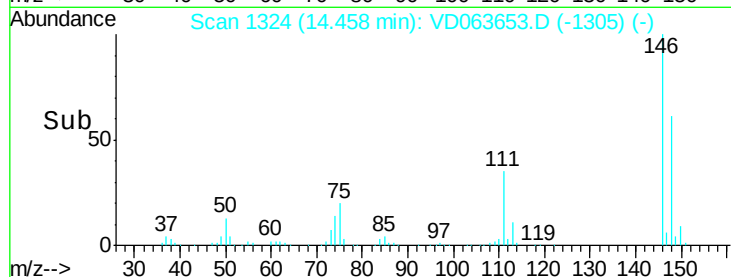
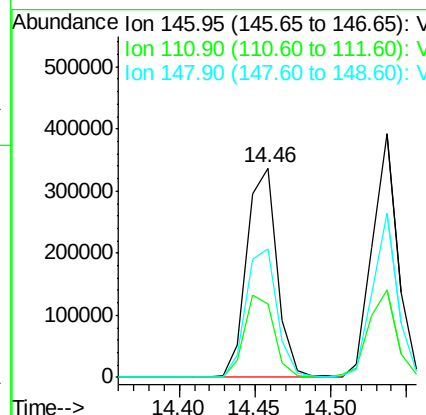
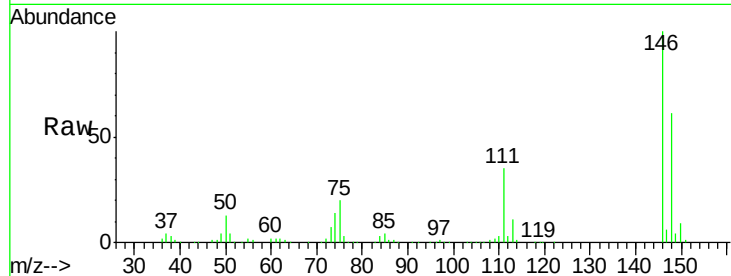




#87
 1,3-Dichlorobenzene
 Concen: 21.552 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

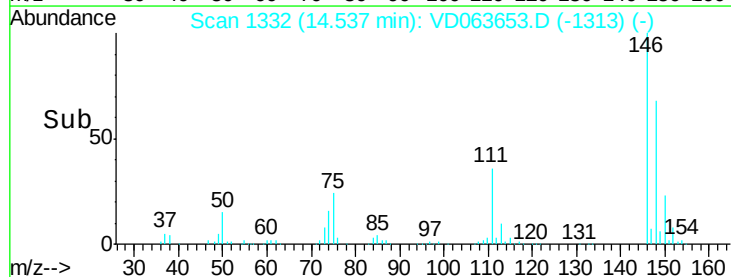
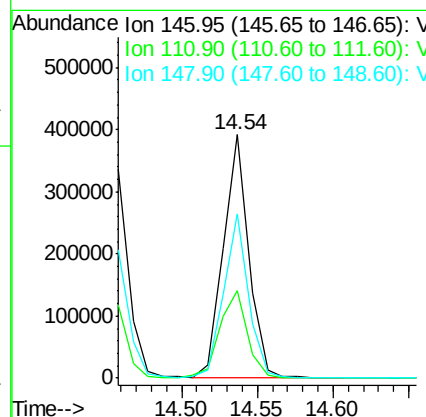
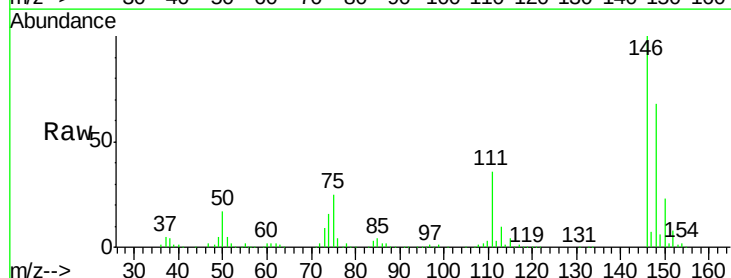
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

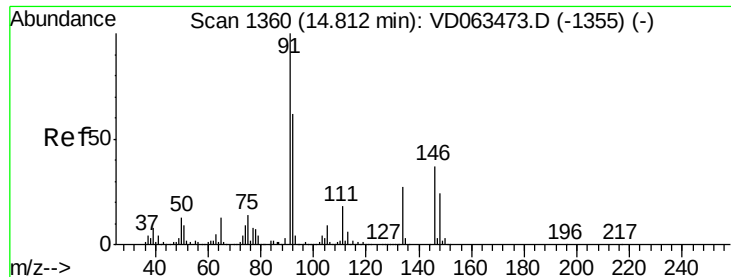
Tot Ion:146 Resp: 471335
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.0 60.0
 148 61.4 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.874 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion:146 Resp: 458969
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.7 59.0
 148 67.6 32.1 96.3

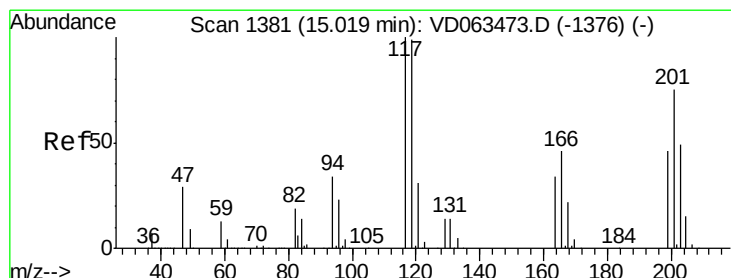
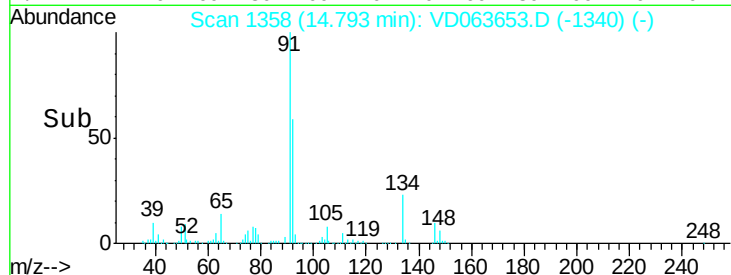
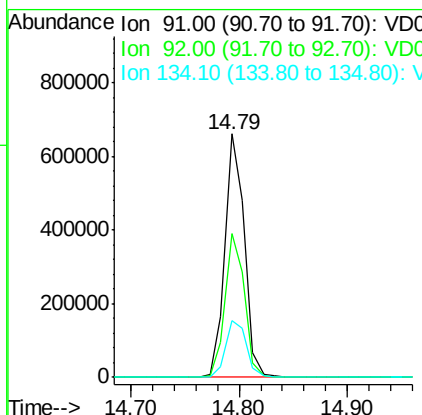
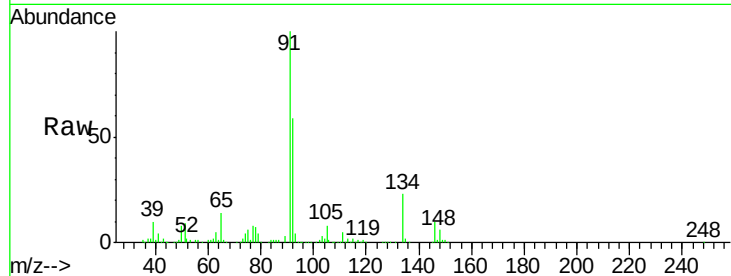




#89
n-Butylbenzene
Concen: 21.903 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

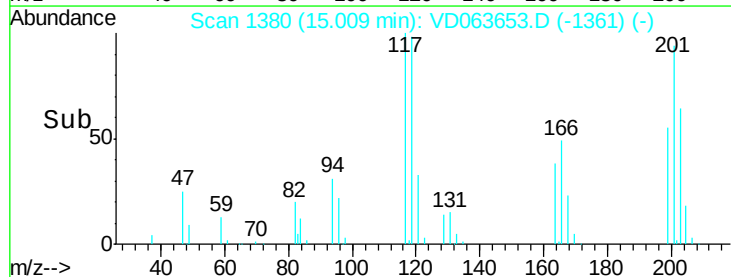
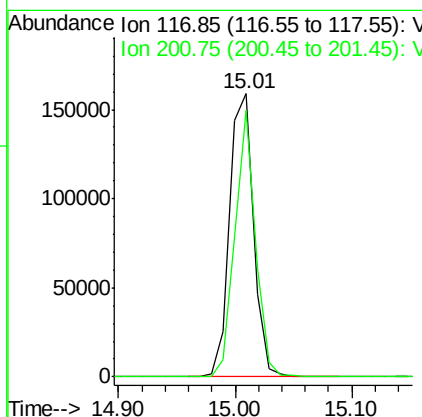
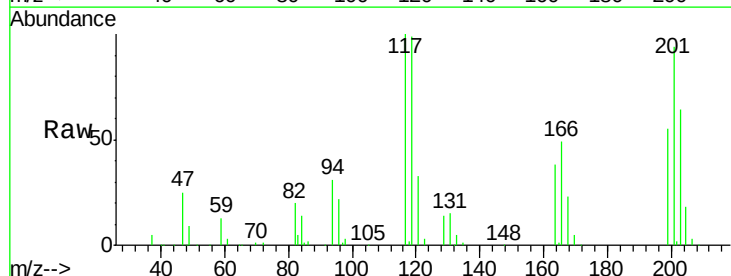
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

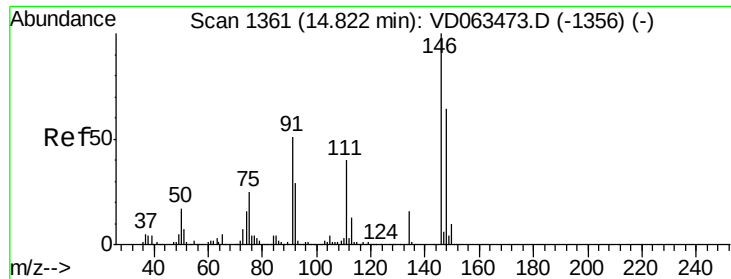
Tot Ion: 91 Resp: 826232
Ion Ratio Lower Upper
91 100
92 58.9 30.8 92.3
134 23.0 13.4 40.2



#90
Hexachloroethane
Concen: 21.792 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD063653.D
Acq: 19 Aug 2019 13:14

Tgt Ion: 117 Resp: 226386
Ion Ratio Lower Upper
117 100
201 94.3 37.5 112.5

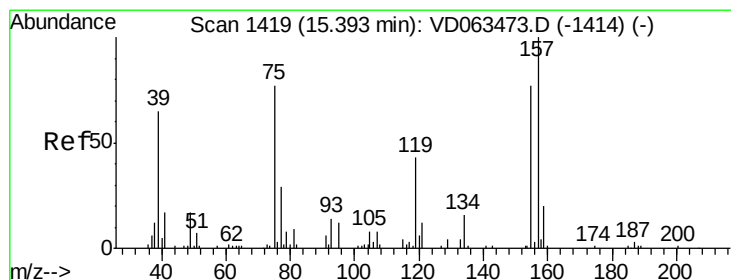
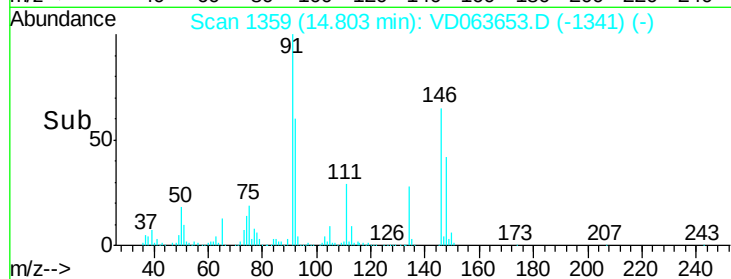
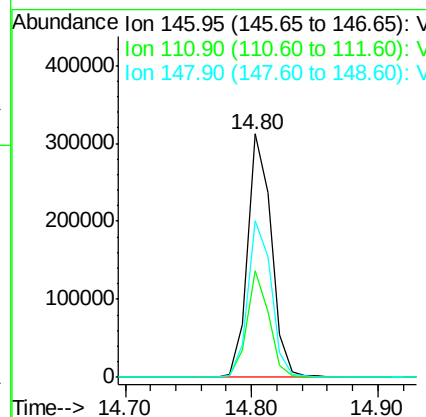
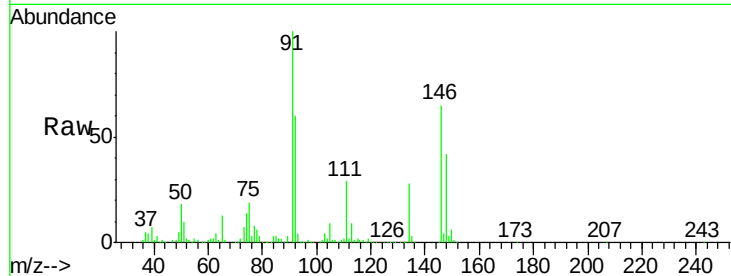




#91
 1,2-Dichlorobenzene
 Concen: 21.915 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

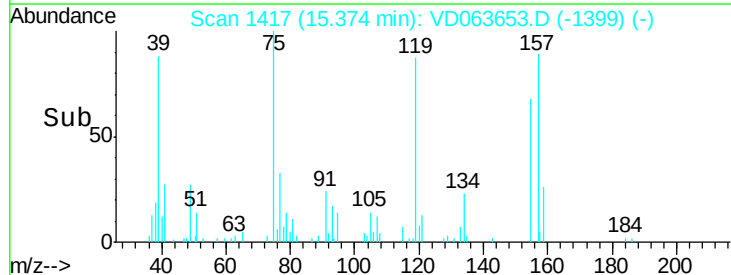
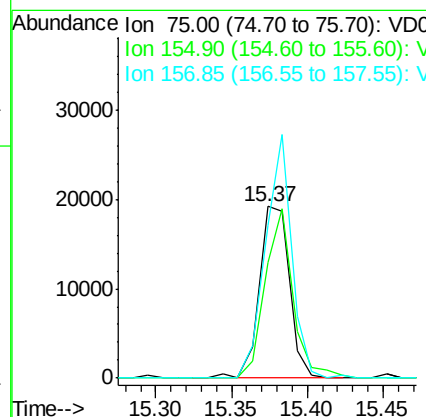
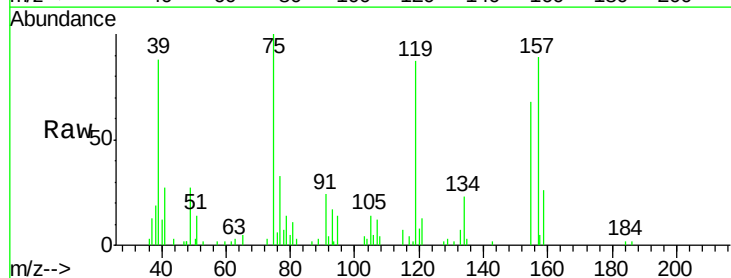
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

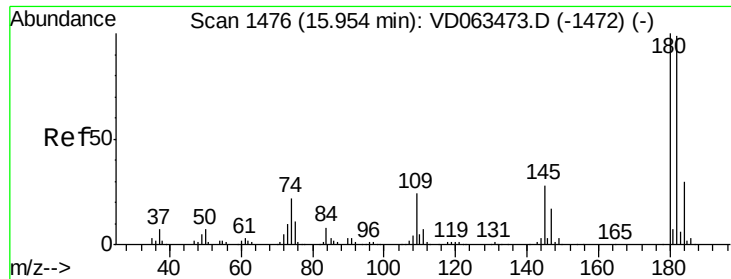
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.2	60.6
148	64.1	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.350 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.7	50.1	150.3
157	88.8	65.0	195.1

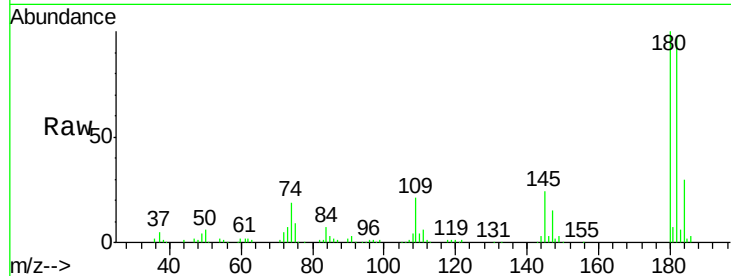




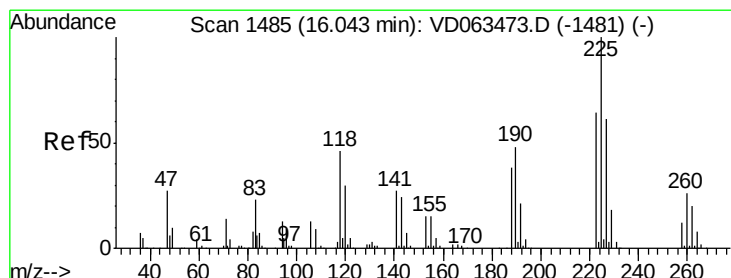
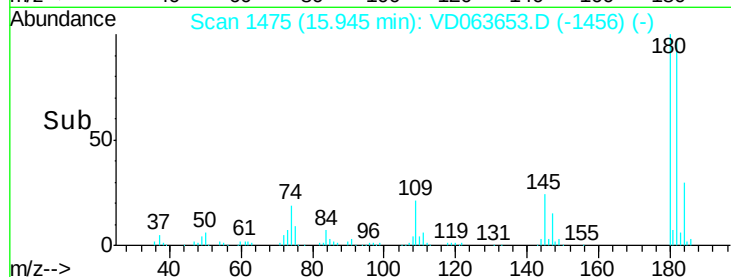
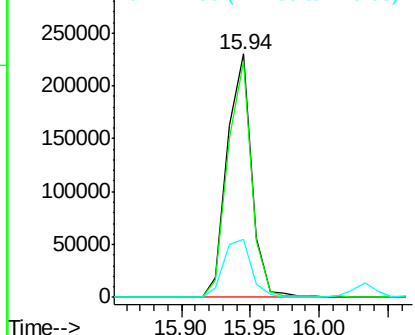
#93
 1,2,4-Trichlorobenzene
 Concen: 20.787 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	49.7	149.1
145	23.8	14.1	42.2

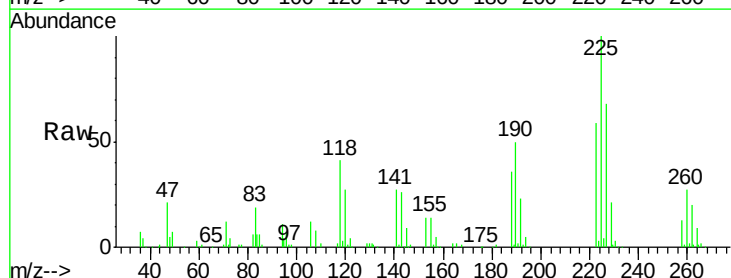


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

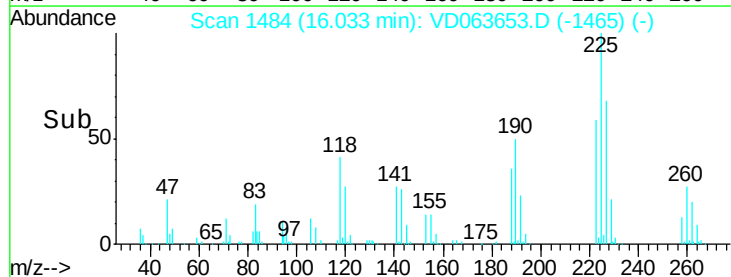
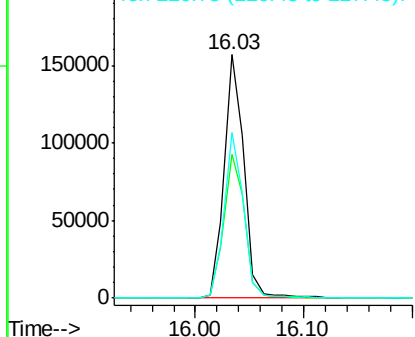


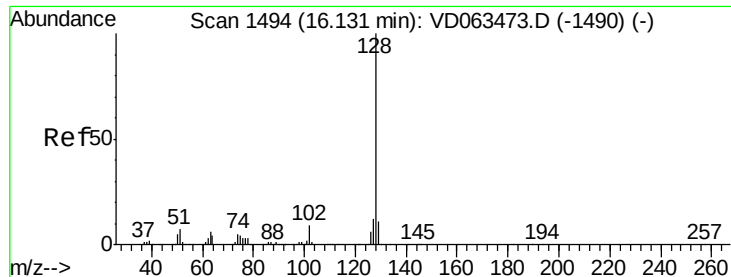
#94
 Hexachlorobutadiene
 Concen: 19.206 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063653.D
 Acq: 19 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	31.9	95.5
227	68.0	30.7	92.1



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





#95

Naphthalene

Concen: 19.574 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

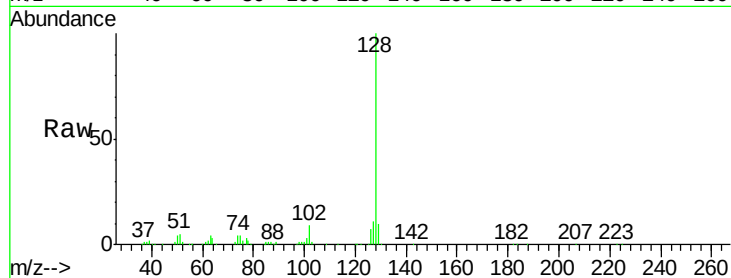
Tot Ion:128 Resp: 405006

Ion Ratio Lower Upper

128 100

127 11.0 9.4 14.0

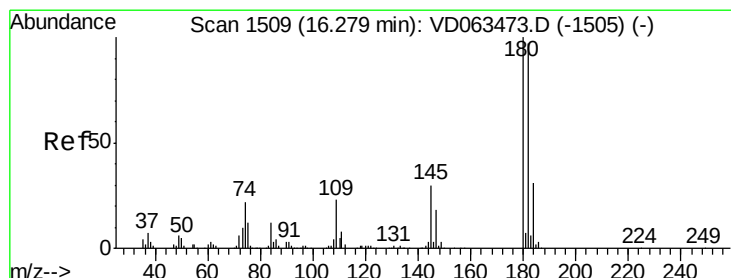
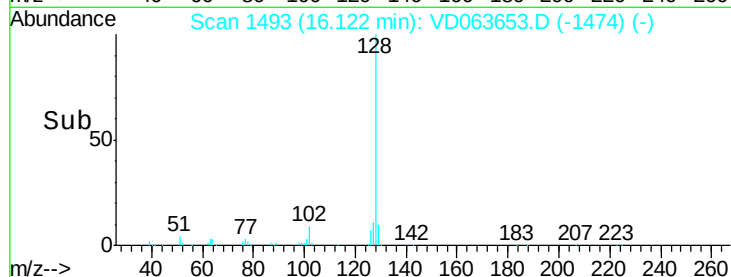
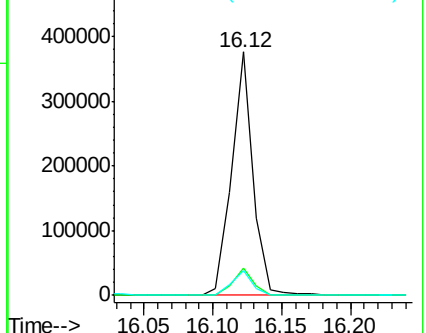
129 10.0 8.5 12.7



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: 19.977 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063653.D

Acq: 19 Aug 2019 13:14

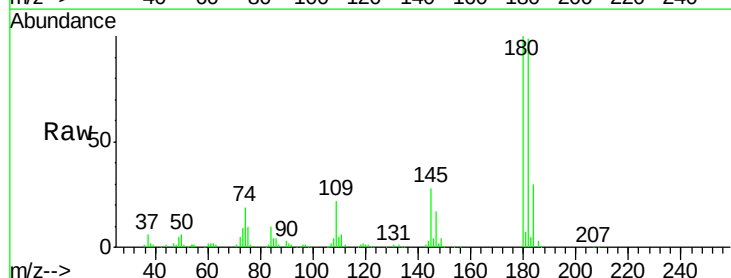
Tgt Ion:180 Resp: 220300

Ion Ratio Lower Upper

180 100

182 99.3 48.4 145.2

145 28.0 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

