

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062638.D
 Acq On : 7 Jun 2019 12:14
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 07 23:31:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	720325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	995038	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	847855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	461601	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	493228	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
35) Dibromofluoromethane	6.92	113	466719	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	
50) Toluene-d8	10.41	98	986896	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	
62) 4-Bromofluorobenzene	13.55	95	493922	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	391543	42.232	ug/l	100
3) Chloromethane	1.74	50	338877	46.671	ug/l	100
4) Vinyl Chloride	1.85	62	346826	47.277	ug/l	100
5) Bromomethane	2.15	94	184841	50.229	ug/l	100
6) Chloroethane	2.26	64	184429	48.655	ug/l	100
7) Trichlorofluoromethane	2.53	101	812603	48.738	ug/l	100
8) Diethyl Ether	2.86	74	110524	48.610	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	452271	48.915	ug/l	100
10) Methyl Iodide	3.29	142	571783	48.508	ug/l	100
11) Tert butyl alcohol	4.07	59	93805	206.212	ug/l	100
12) 1,1-Dichloroethene	3.12	96	334424	51.909	ug/l	100
13) Acrolein	3.03	56	32630	259.545	ug/l	100
14) Allyl chloride	3.61	41	492968	49.770	ug/l	100
15) Acrylonitrile	4.20	53	238267	241.933	ug/l	100
16) Acetone	3.22	43	513742	263.792	ug/l	100
17) Carbon Disulfide	3.36	76	928115	48.212	ug/l	100
18) Methyl Acetate	3.64	43	137330	43.331	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	783418	49.310	ug/l	100
20) Methylene Chloride	3.81	84	329383	45.351	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	328682	45.546	ug/l	100
22) Diisopropyl ether	5.12	45	1005244	49.585	ug/l	100
23) Vinyl Acetate	5.06	43	3335719	260.761	ug/l	100
24) 1,1-Dichloroethane	4.98	63	645851	48.246	ug/l	100
25) 2-Butanone	6.07	43	484657	255.317	ug/l	100
26) 2,2-Dichloropropane	6.02	77	729218	47.087	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	379021	49.355	ug/l	100
28) Bromochloromethane	6.44	49	243387	50.776	ug/l	100
29) Tetrahydrofuran	6.45	42	211903	248.067	ug/l	100
30) Chloroform	6.66	83	831186	48.236	ug/l	100
31) Cyclohexane	6.95	56	409174	49.872	ug/l	100
32) 1,1,1-Trichloroethane	6.87	97	832226	47.756	ug/l	100
36) 1,1-Dichloropropene	7.14	75	536636	45.283	ug/l	100
37) Ethyl Acetate	6.18	43	221802	42.932	ug/l	100
38) Carbon Tetrachloride	7.10	117	967203	51.707	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	456720	48.429	ug/l	100
40) Benzene	7.45	78	1078101	47.757	ug/l	100
41) Methacrylonitrile	6.44	41	291307	47.047	ug/l	100
42) 1,2-Dichloroethane	7.58	62	673912	49.777	ug/l	100
43) Isopropyl Acetate	9.24	43	300252	49.494	ug/l	100
44) Trichloroethene	8.54	130	444301	47.680	ug/l	100
45) 1,2-Dichloropropane	8.94	63	274376	50.100	ug/l	100
46) Dibromomethane	9.05	93	239536	48.838	ug/l	100
47) Bromodichloromethane	9.37	83	619420	46.517	ug/l	100
48) Methyl methacrylate	9.11	41	213921	47.368	ug/l	100
49) 1,4-Dioxane	9.07	88	38907	1090.572	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	1049991	243.754	ug/l	100
52) Toluene	10.51	92	769879	49.839	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	540833	49.342	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	549718	48.469	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	251415	48.710	ug/l	100
56) Ethyl methacrylate	11.04	69	284983	50.512	ug/l	100
57) 1,3-Dichloropropane	11.41	76	379489	46.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	582511	205.436	ug/l	100
59) 2-Hexanone	11.53	43	799898	246.700	ug/l	100
60) Dibromochloromethane	11.68	129	523430	51.056	ug/l	100
61) 1,2-Dibromoethane	11.80	107	315157	50.348	ug/l	100
64) Tetrachloroethene	11.26	164	414337	51.473	ug/l	100
65) Chlorobenzene	12.40	112	960786	50.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	458753	50.405	ug/l	100
67) Ethyl Benzene	12.52	91	1649720	48.854	ug/l	100
68) m/p-Xylenes	12.67	106	1169002	98.667	ug/l	100
69) o-Xylene	13.05	106	538962	48.464	ug/l	100
70) Styrene	13.07	104	973841	49.110	ug/l	100
71) Bromoform	13.24	173	326870	51.669	ug/l	100
73) Isopropylbenzene	13.40	105	1543068	45.909	ug/l	100
74) N-amyl acetate	13.27	43	457845	50.591	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	297783	52.365	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	316243	49.658	ug/l	100
77) Bromobenzene	13.67	156	485507	51.340	ug/l	100
78) n-propylbenzene	13.77	91	2101812	51.657	ug/l	100
79) 2-Chlorotoluene	13.84	91	1270053	53.504	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	1405864	47.924	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	87388	53.271	ug/l	100
82) 4-Chlorotoluene	13.95	91	1367180	47.872	ug/l	100
83) tert-Butylbenzene	14.19	119	1761478	53.820	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1555138	52.768	ug/l	100
85) sec-Butylbenzene	14.37	105	1749458	51.401	ug/l	100
86) p-Isopropyltoluene	14.49	119	1766716	53.505	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	901945	51.563	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	799873	48.683	ug/l	100
89) n-Butylbenzene	14.79	91	1580908	52.547	ug/l	100
90) Hexachloroethane	15.01	117	441648	50.778	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	768599	53.463	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	61575	49.033	ug/l	100

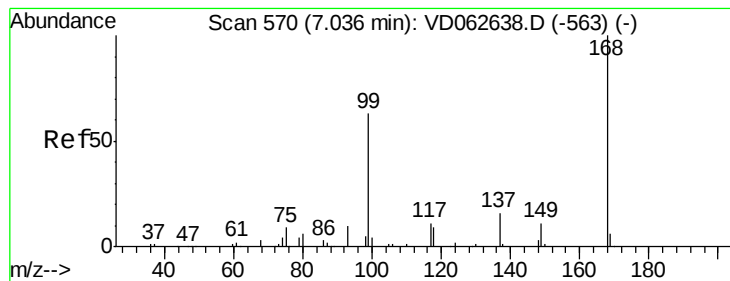
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	553072	50.710	ug/l	100
94) Hexachlorobutadiene	16.03	225	426454	49.518	ug/l	100
95) Naphthalene	16.12	128	803473	53.026	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	437789	52.981	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

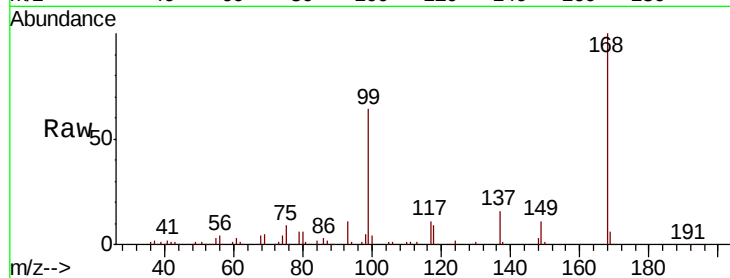
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 720325

Ion Ratio Lower Upper

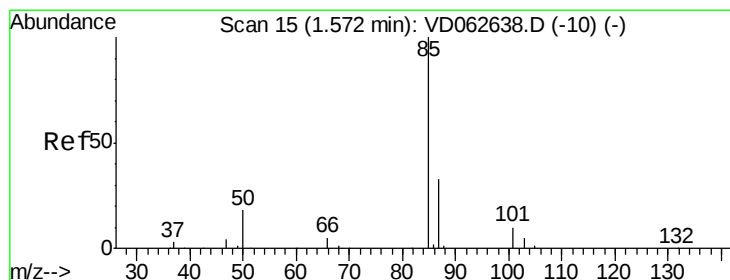
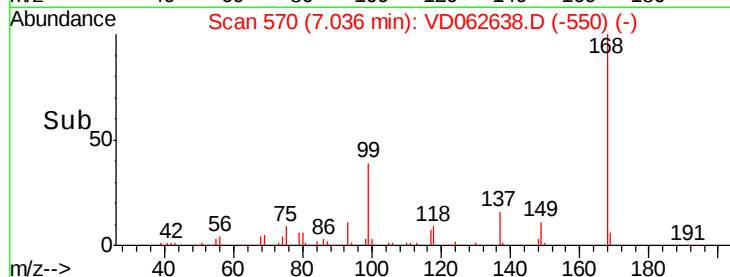
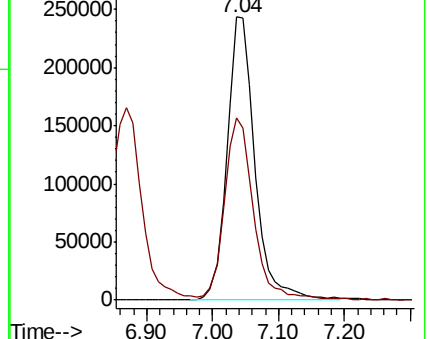
168 100

99 64.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.232 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062638.D

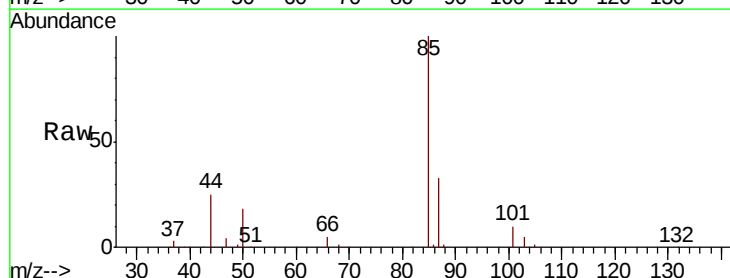
Acq: 7 Jun 2019 12:14

Tgt Ion: 85 Resp: 391543

Ion Ratio Lower Upper

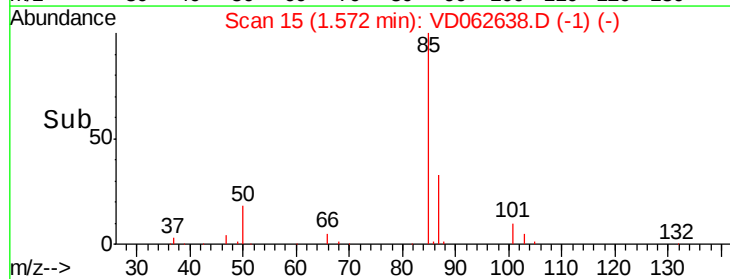
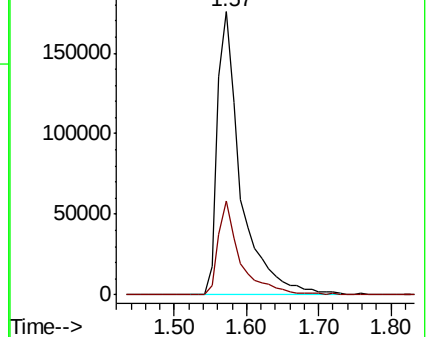
85 100

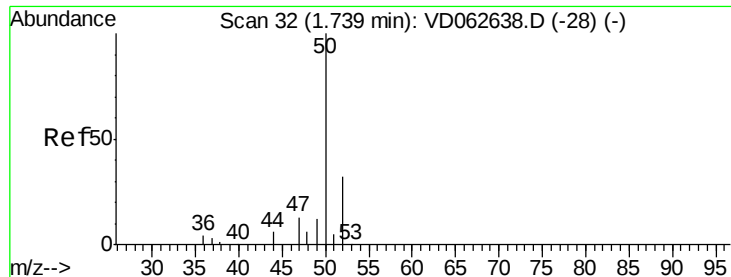
87 33.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.671 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

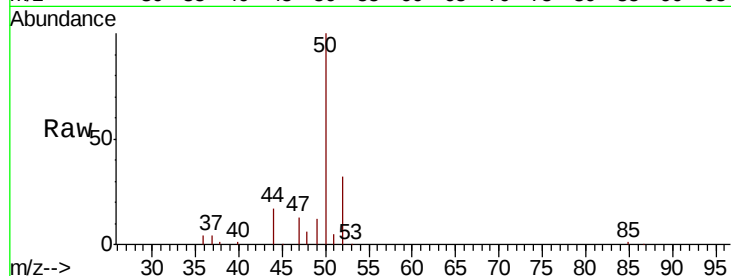
ClientSampleId :

Tot Ion: 50 Resp: 338877

Ion Ratio Lower Upper

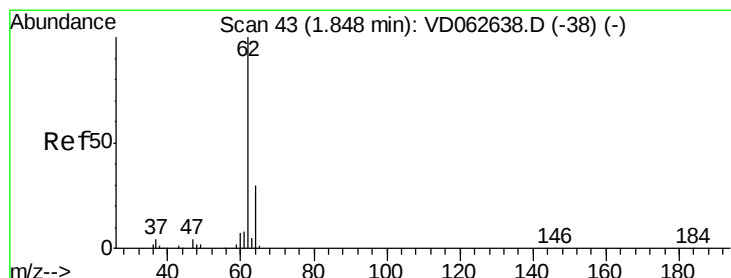
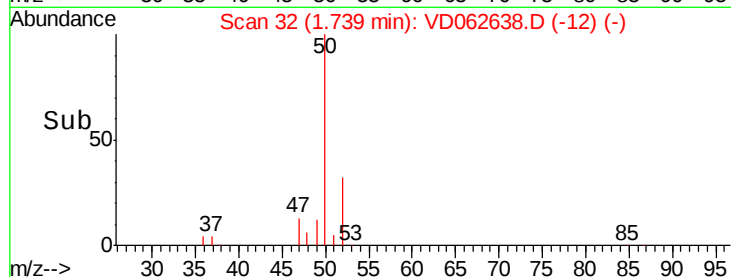
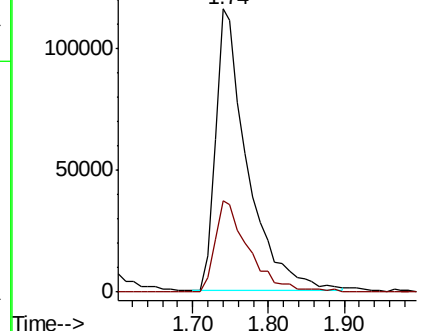
50 100

52 32.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.277 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062638.D

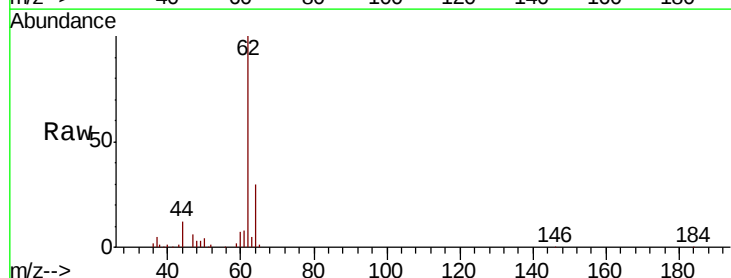
Acq: 7 Jun 2019 12:14

Tgt Ion: 62 Resp: 346826

Ion Ratio Lower Upper

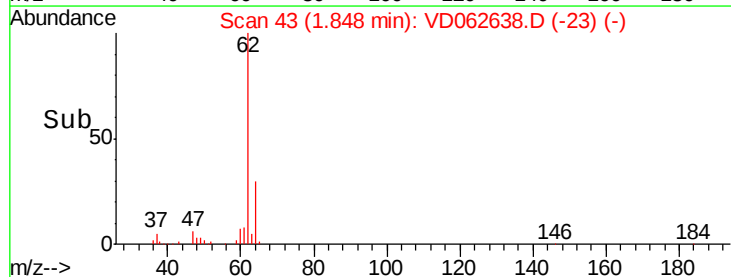
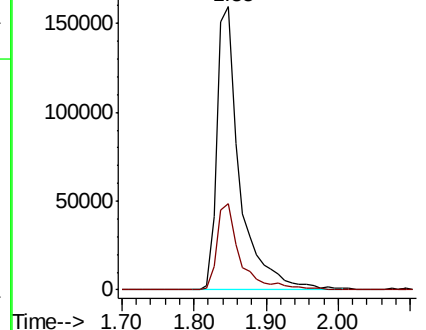
62 100

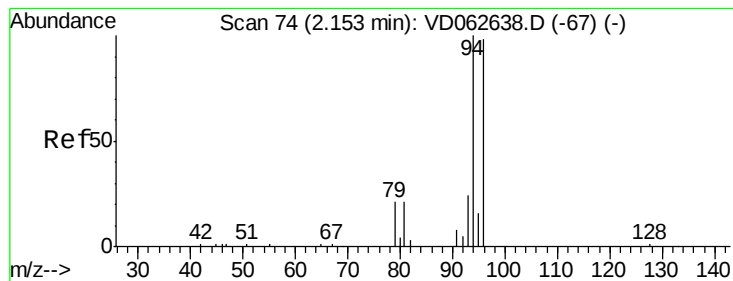
64 30.3 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.229 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

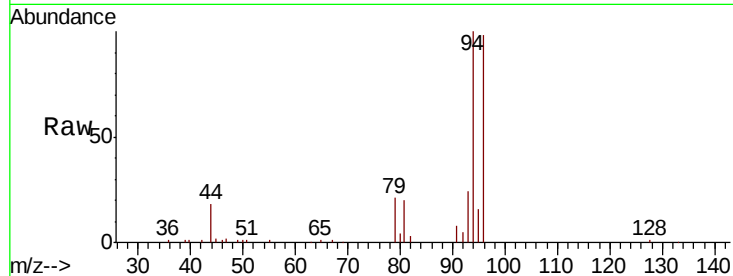
Tot Ion: 94 Resp: 184841

Ion Ratio Lower Upper

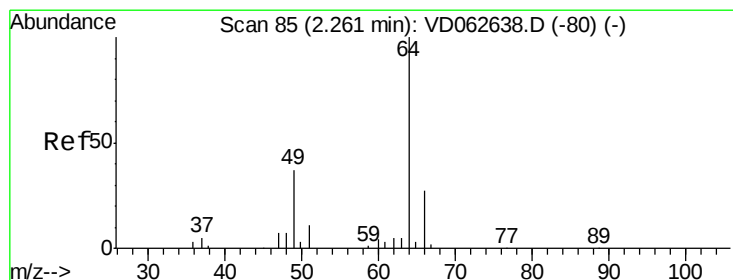
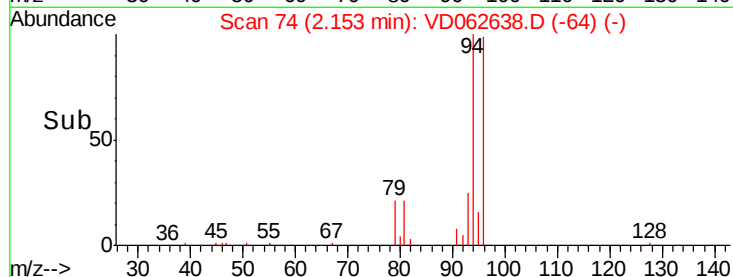
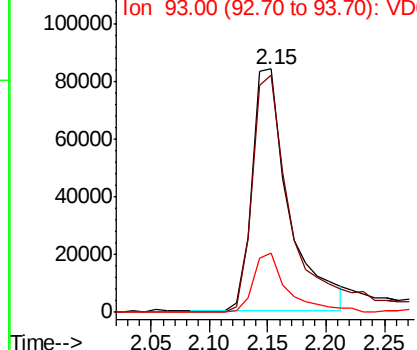
94 100

96 97.6 78.1 117.1

93 24.5 19.6 29.4



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: 48.655 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062638.D

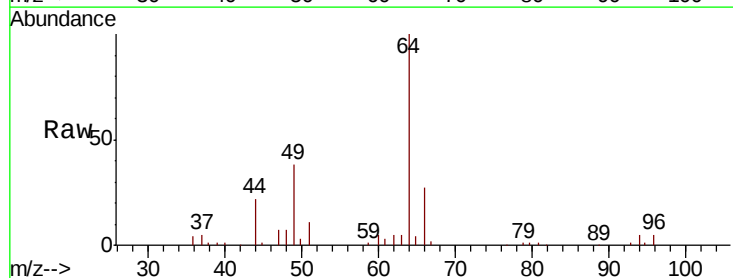
Acq: 7 Jun 2019 12:14

Tgt Ion: 64 Resp: 184429

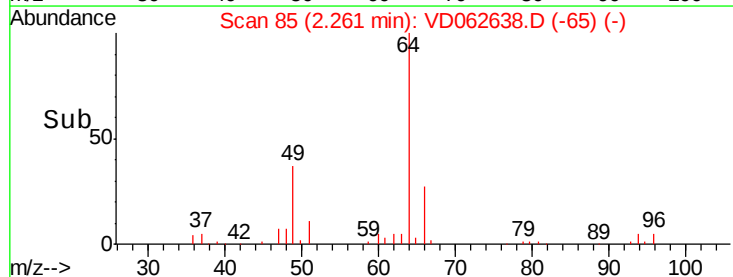
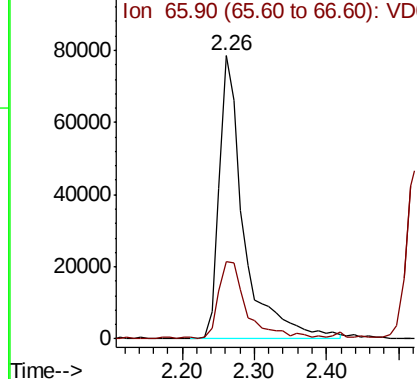
Ion Ratio Lower Upper

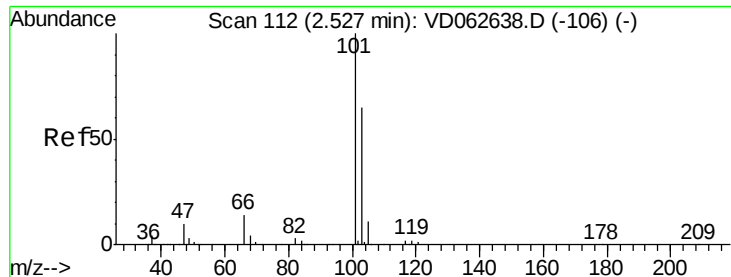
64 100

66 27.4 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



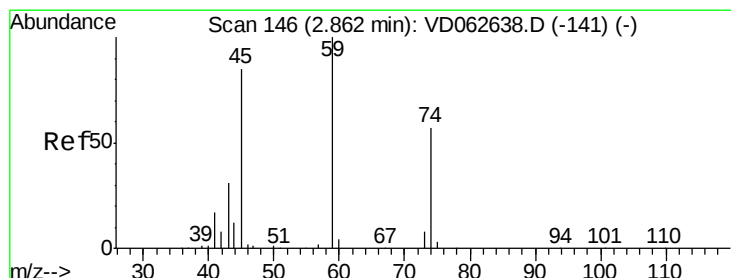
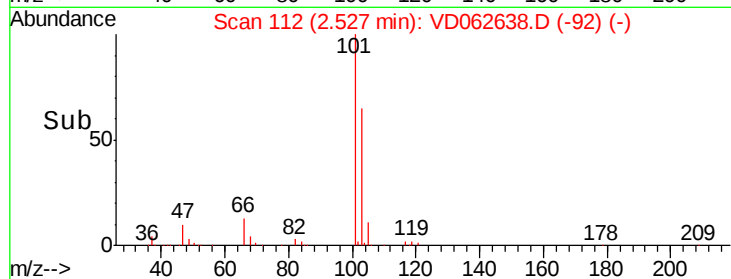
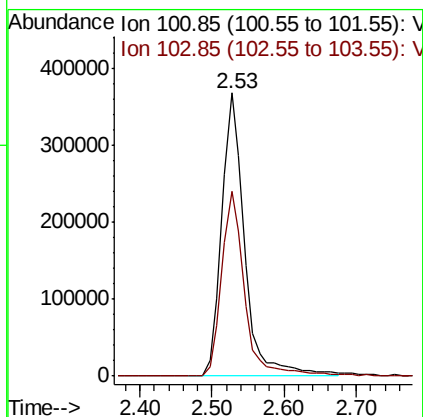
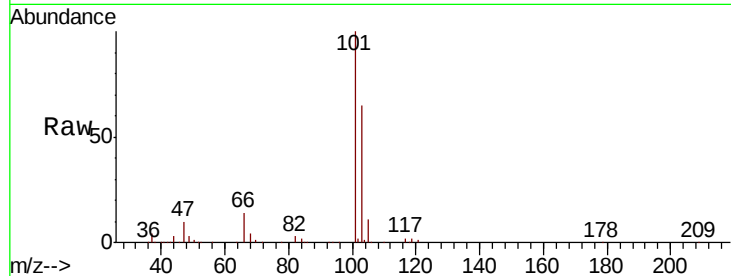


#7

Trichlorofluoromethane
 Concen: 48.738 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

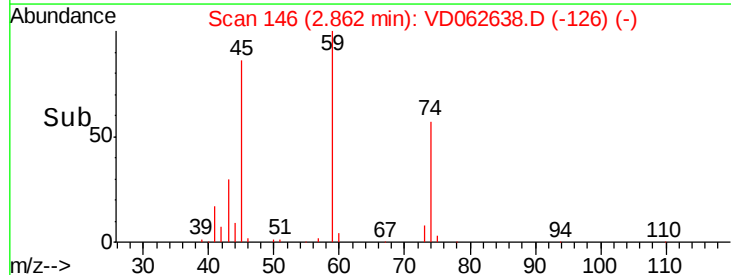
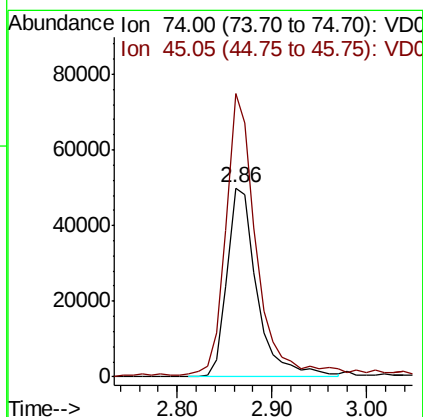
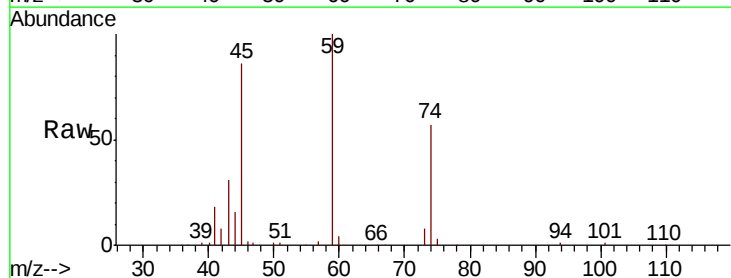
Tot Ion:101 Resp: 812603
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.2 78.2

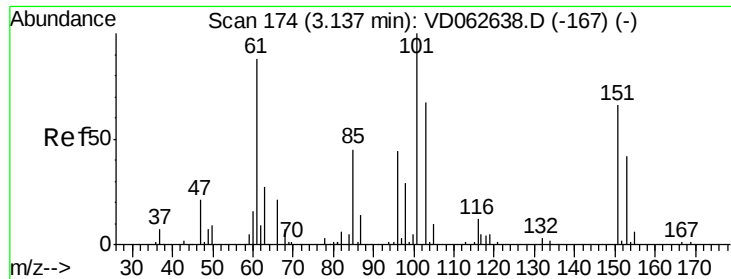


#8

Diethyl Ether
 Concen: 48.610 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 74 Resp: 110524
 Ion Ratio Lower Upper
 74 100
 45 149.8 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.915 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampled :

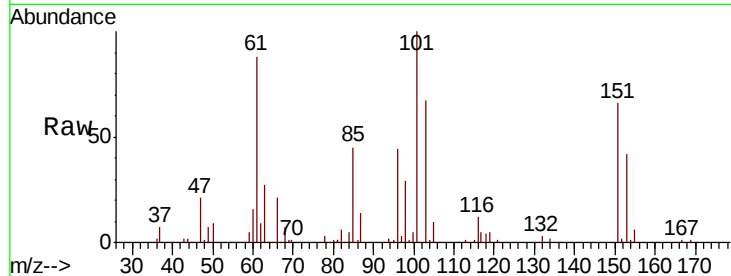
Tot Ion:101 Resp: 452271

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

151 65.8 52.6 79.0

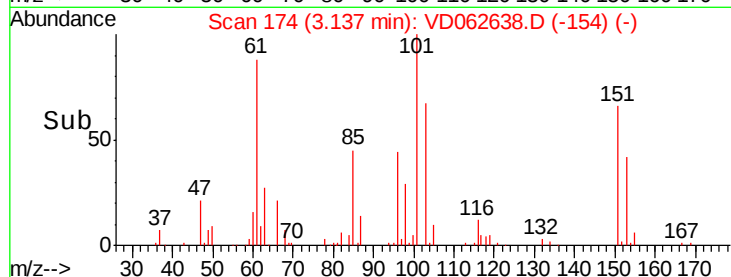


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

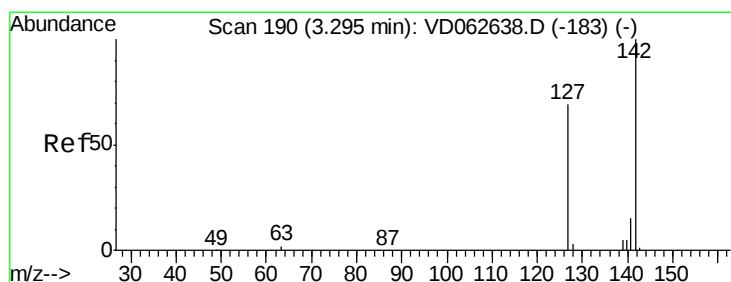
Ion 150.90 (150.60 to 151.60): V

Time-->



Abundance

Time-->



#10

Methyl Iodide

Concen: 48.508 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

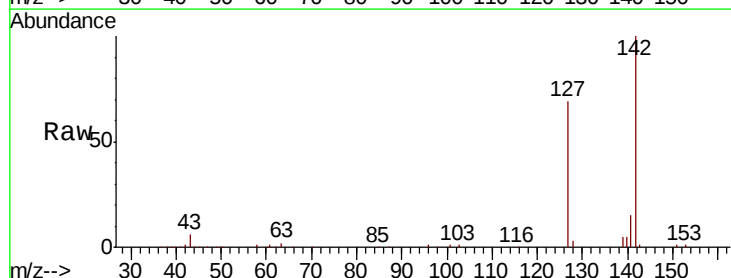
Tgt Ion:142 Resp: 571783

Ion Ratio Lower Upper

142 100

127 69.0 55.2 82.8

141 15.1 12.1 18.1

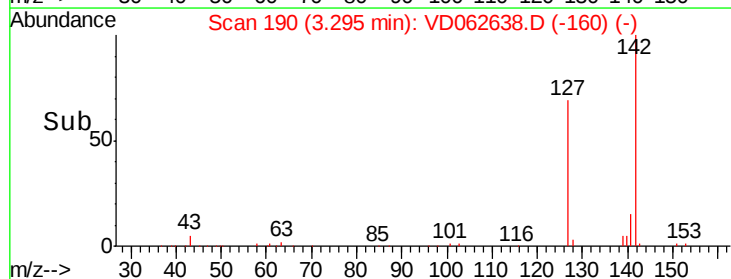


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

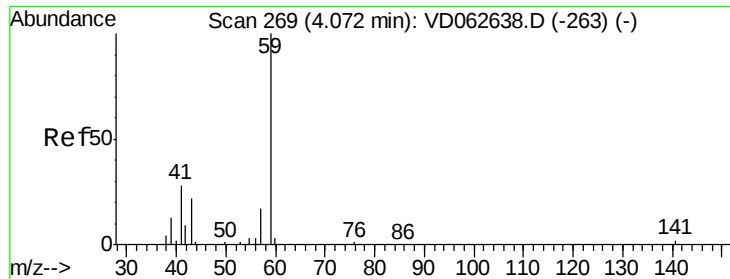
Ion 140.85 (140.55 to 141.55): V

Time-->



Abundance

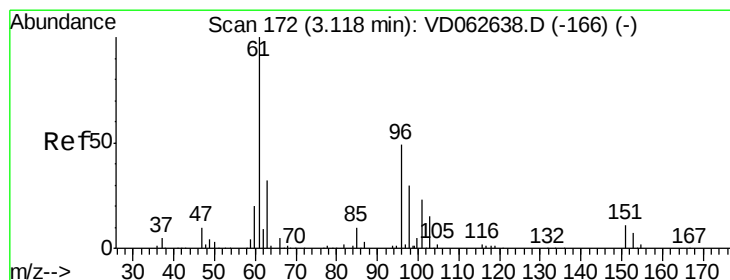
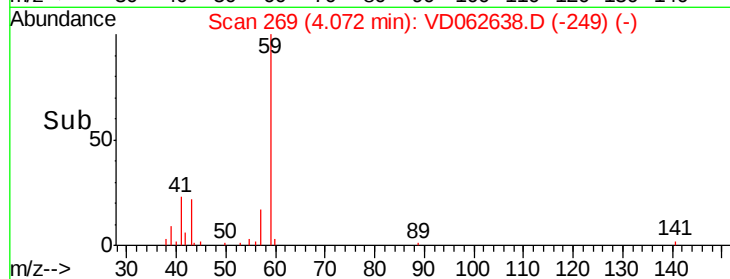
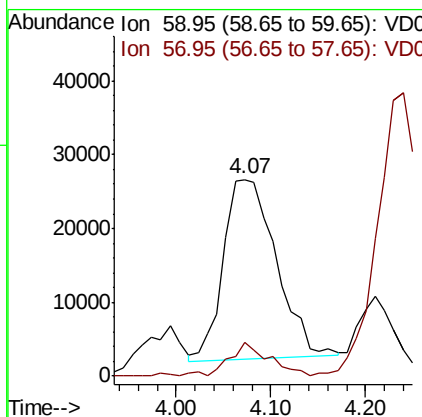
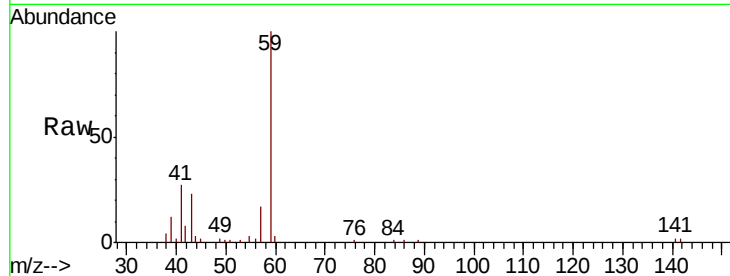
Time-->



#11
Tert butyl alcohol
Concen: 206.212 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

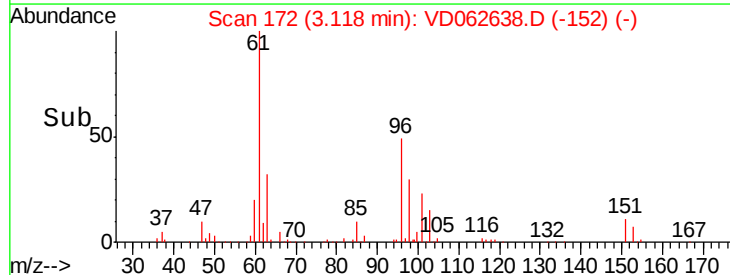
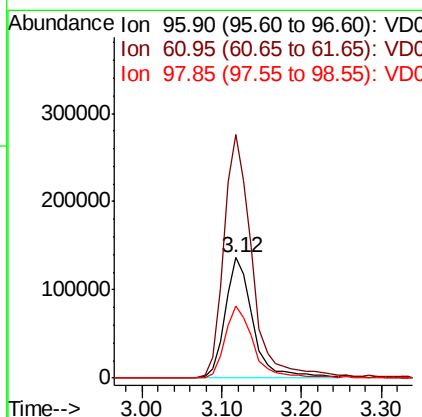
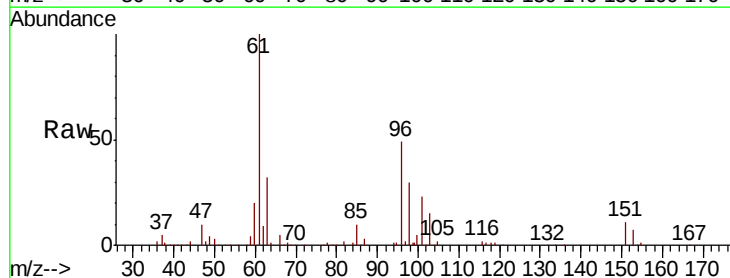
Instrument :
MSVOA_D
ClientSampled :

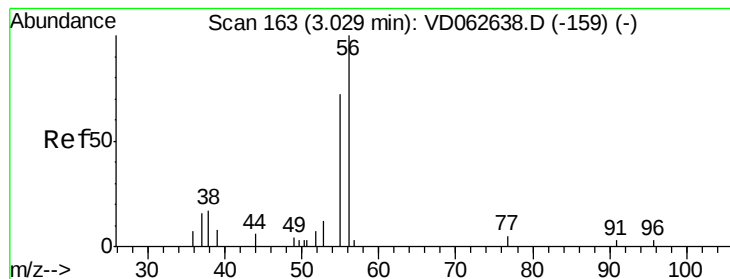
Tot Ion: 59 Resp: 93805
Ion Ratio Lower Upper
59 100
57 17.1 13.7 20.5



#12
1,1-Dichloroethene
Concen: 51.909 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 96 Resp: 334424
Ion Ratio Lower Upper
96 100
61 202.3 161.8 242.8
98 60.3 48.2 72.4





#13

Acrolein

Concen: 259.545 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

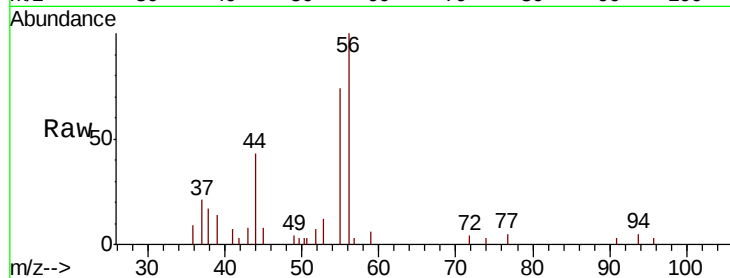
ClientSampled :

Tot Ion: 56 Resp: 32630

Ion Ratio Lower Upper

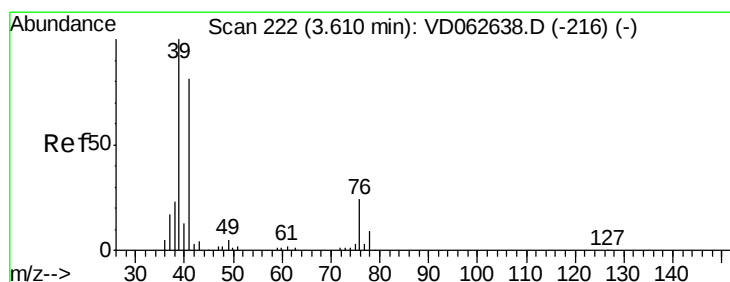
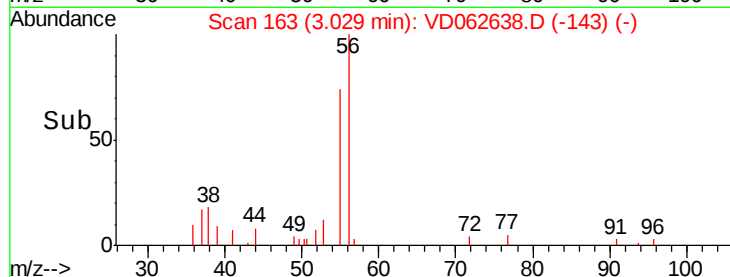
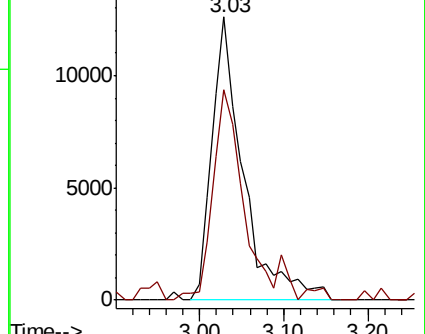
56 100

55 74.2 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.770 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

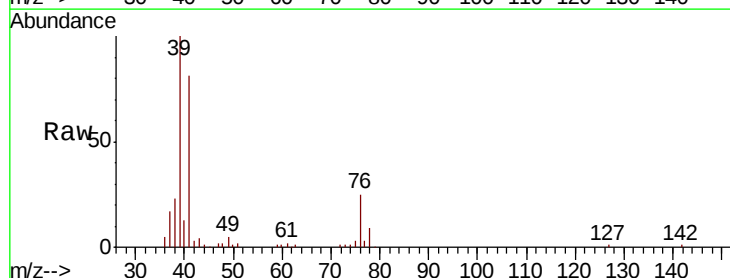
Tgt Ion: 41 Resp: 492968

Ion Ratio Lower Upper

41 100

39 123.9 99.1 148.7

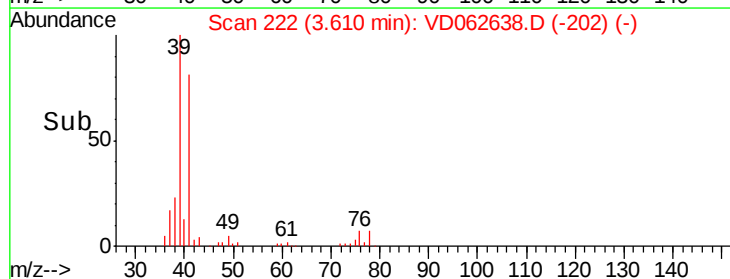
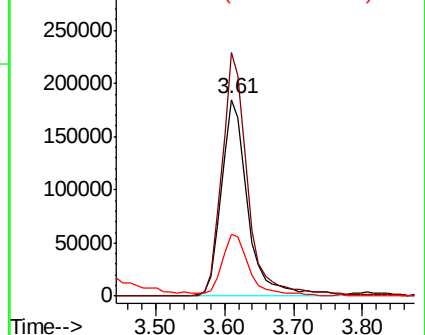
76 31.3 25.0 37.6

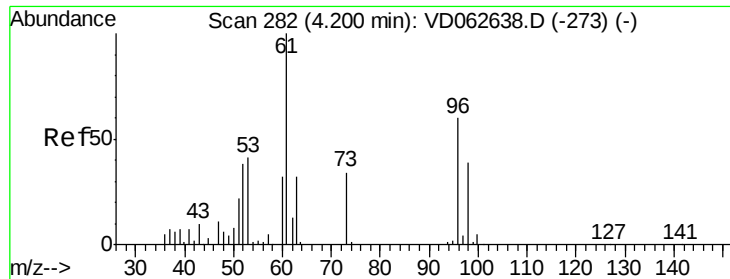


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 241.933 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampled :

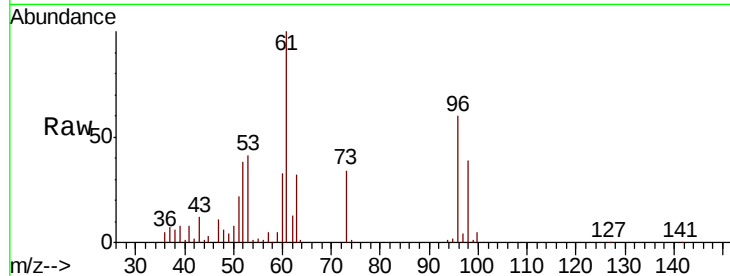
Tot Ion: 53 Resp: 238267

Ion Ratio Lower Upper

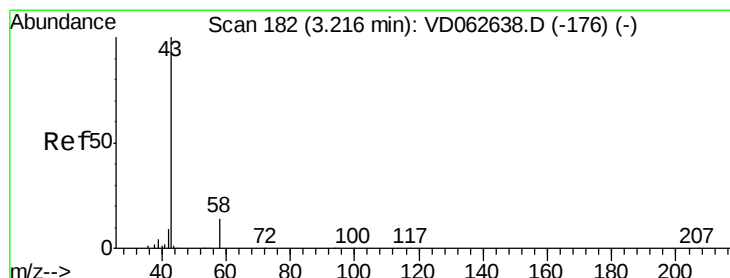
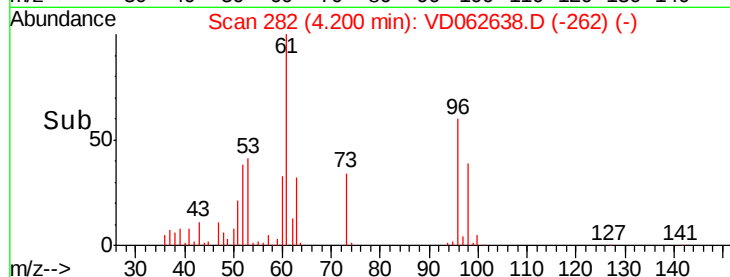
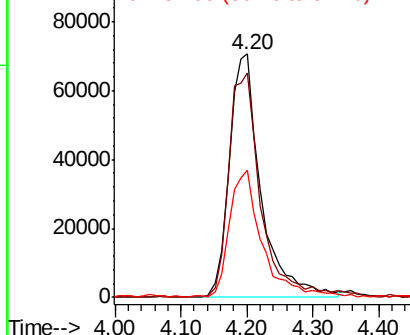
53 100

52 92.0 73.6 110.4

51 52.5 42.0 63.0



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: 263.792 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062638.D

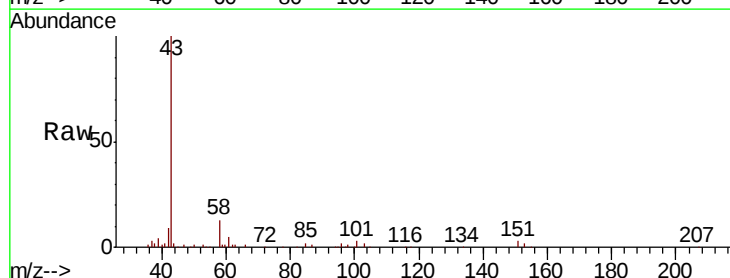
Acq: 7 Jun 2019 12:14

Tgt Ion: 43 Resp: 513742

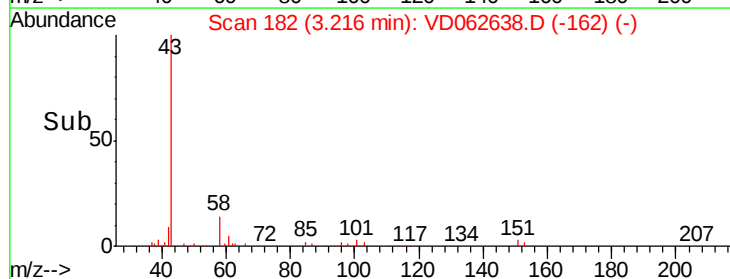
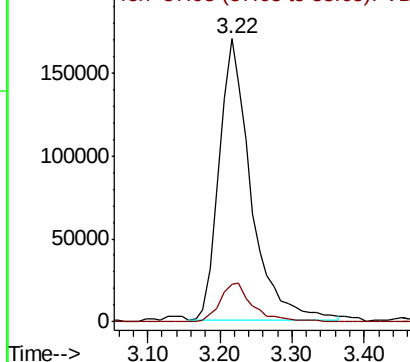
Ion Ratio Lower Upper

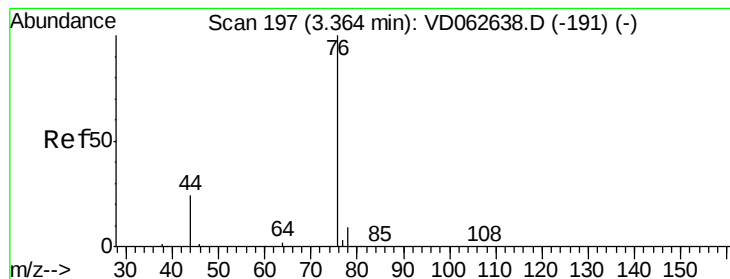
43 100

58 13.5 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.212 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

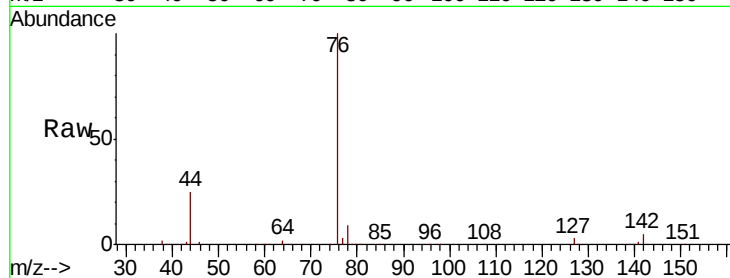
ClientSampleId :

Tot Ion: 76 Resp: 928115

Ion Ratio Lower Upper

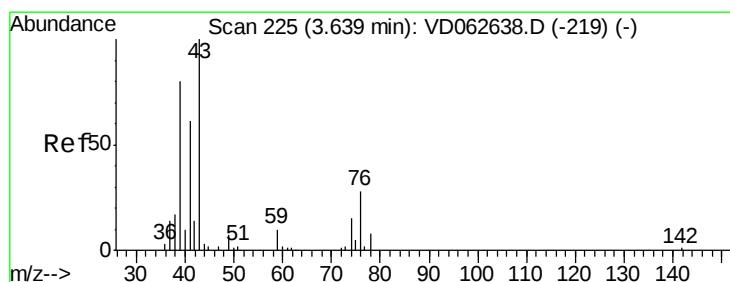
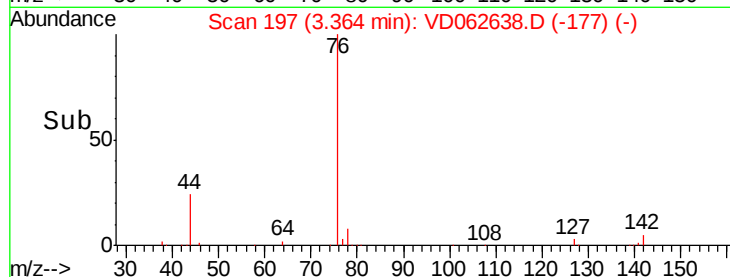
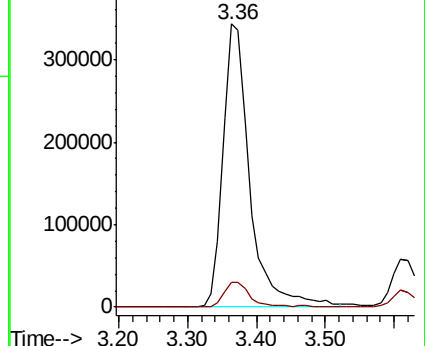
76 100

78 8.7 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 43.331 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062638.D

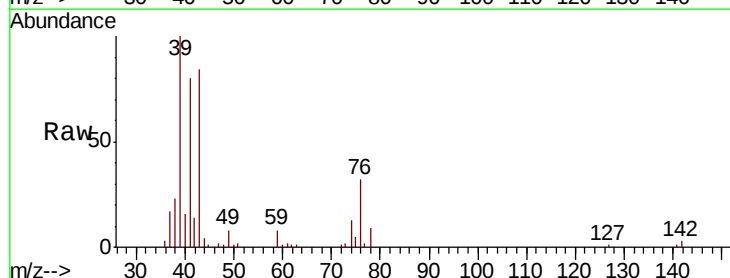
Acq: 7 Jun 2019 12:14

Tgt Ion: 43 Resp: 137330

Ion Ratio Lower Upper

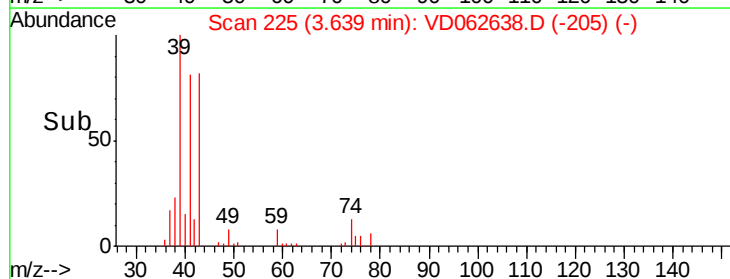
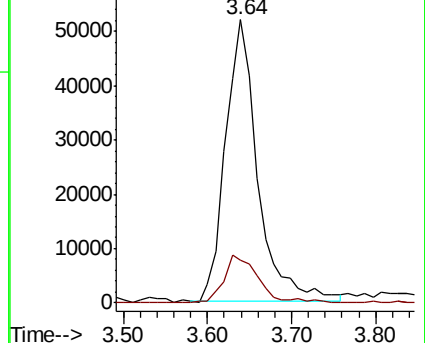
43 100

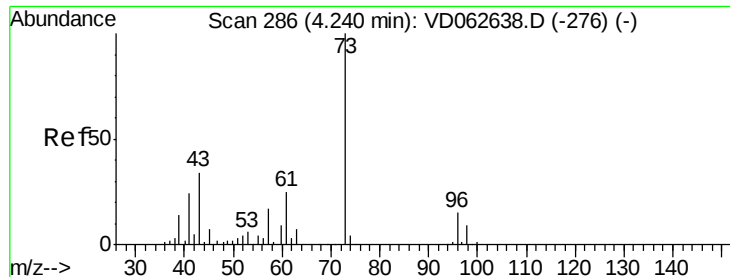
74 15.1 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

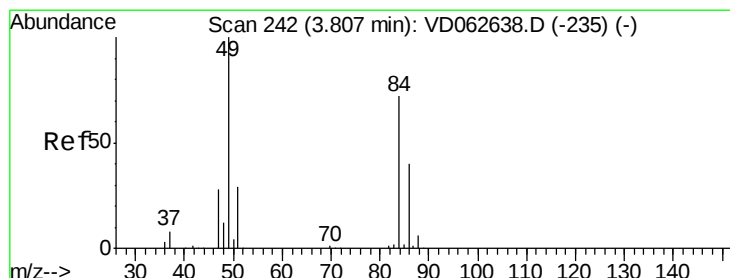
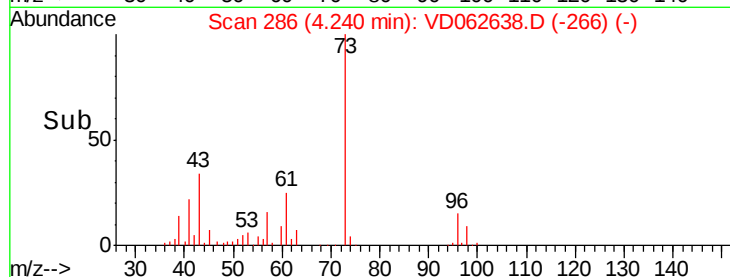
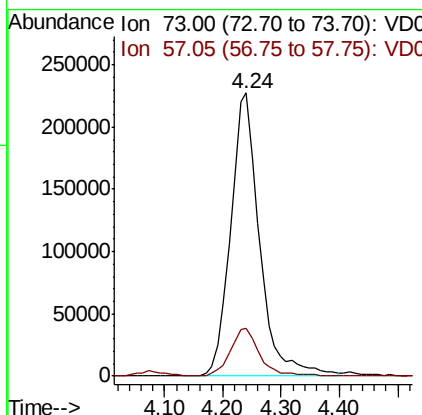
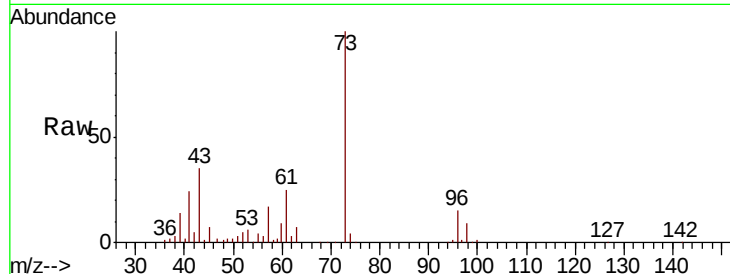




#19
Methyl tert-butyl Ether
Concen: 49.310 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

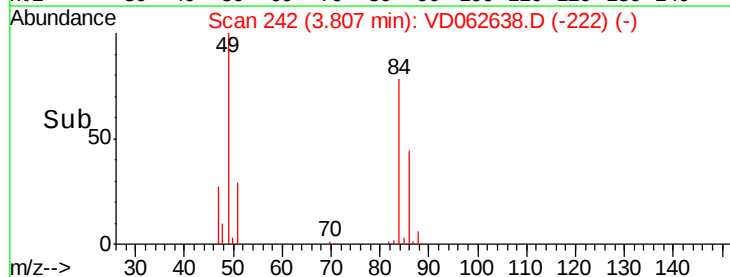
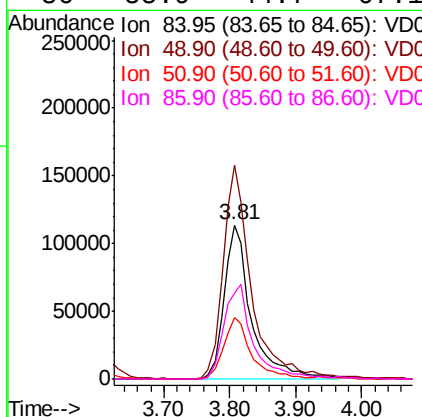
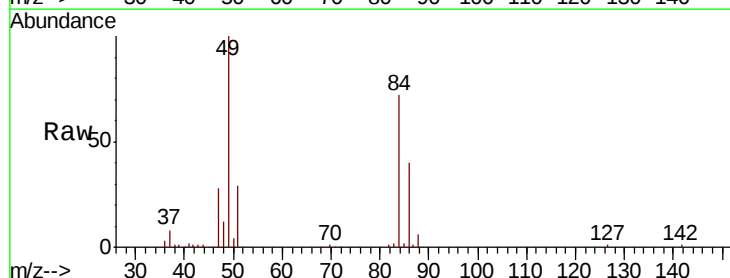
Instrument :
MSVOA_D
ClientSampleId :

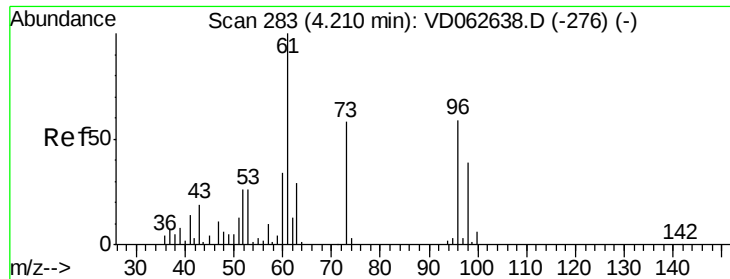
Tot Ion: 73 Resp: 783418
Ion Ratio Lower Upper
73 100
57 16.9 13.5 20.3



#20
Methylene Chloride
Concen: 45.351 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 84 Resp: 329383
Ion Ratio Lower Upper
84 100
49 139.0 111.2 166.8
51 39.9 31.9 47.9
86 55.9 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 45.546 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

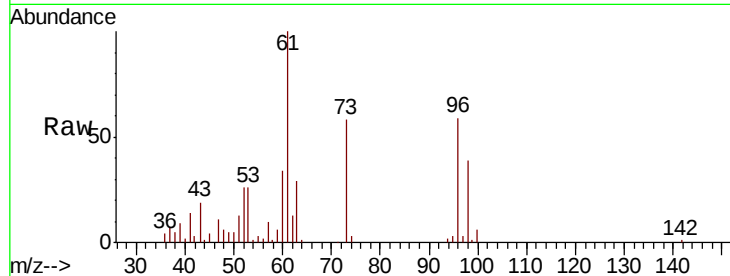
Tot Ion: 96 Resp: 328682

Ion Ratio Lower Upper

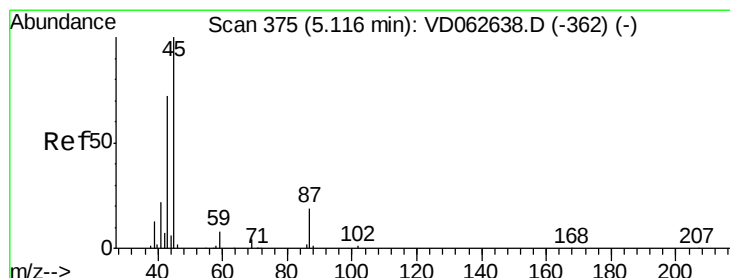
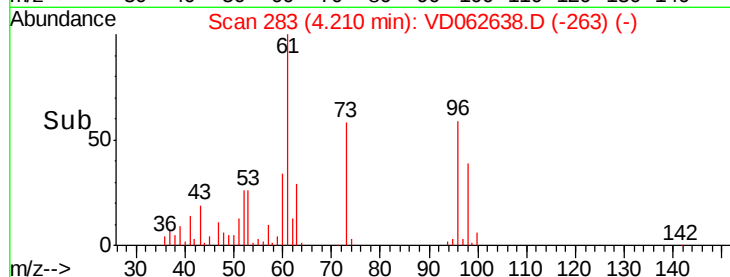
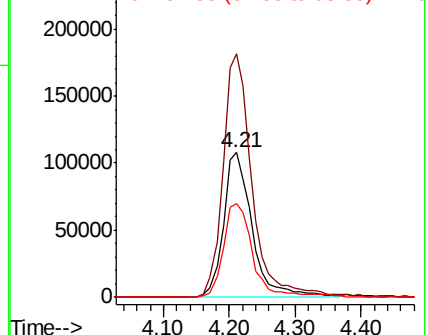
96 100

61 168.2 134.6 201.8

98 64.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 49.585 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion: 45 Resp: 1005244

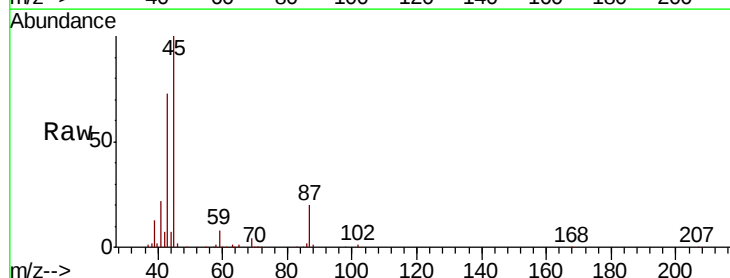
Ion Ratio Lower Upper

45 100

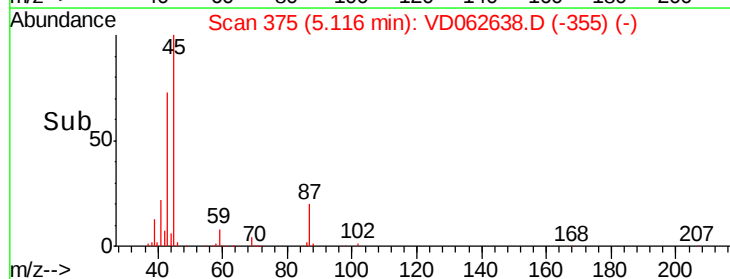
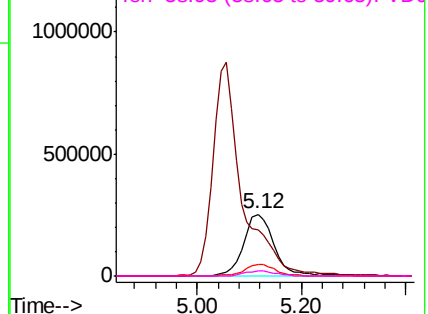
43 73.5 58.8 88.2

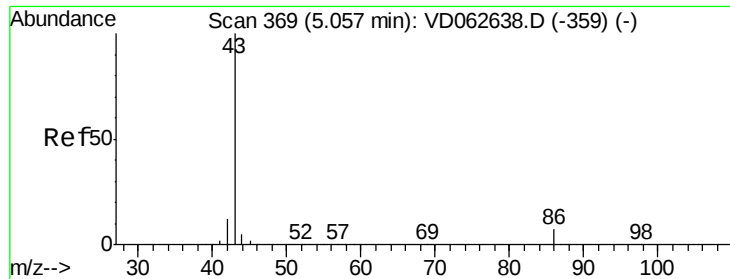
87 19.6 15.7 23.5

59 8.2 6.6 9.8



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

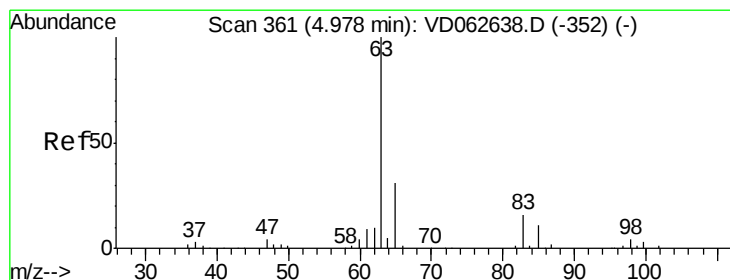
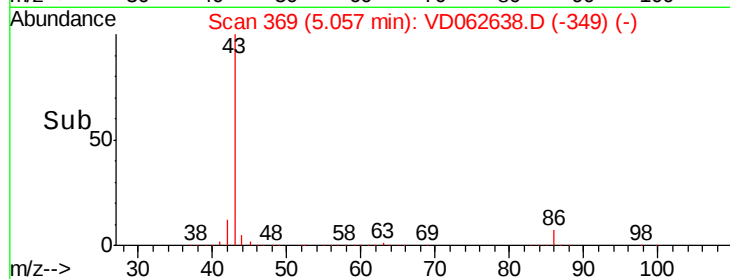
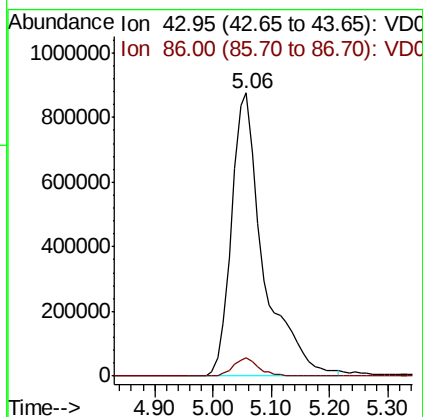
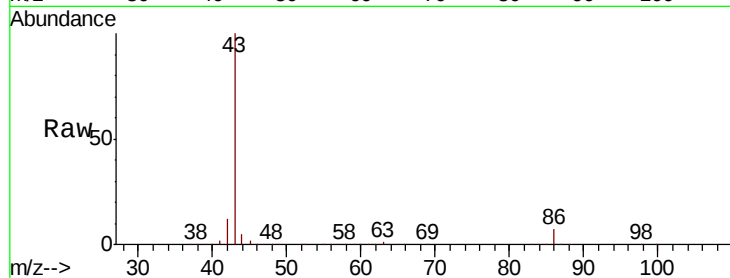




#23
 Vinyl Acetate
 Concen: 260.761 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

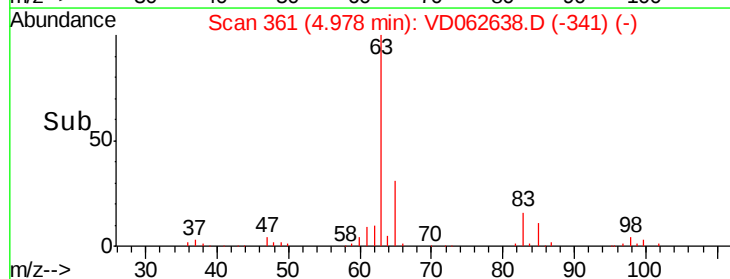
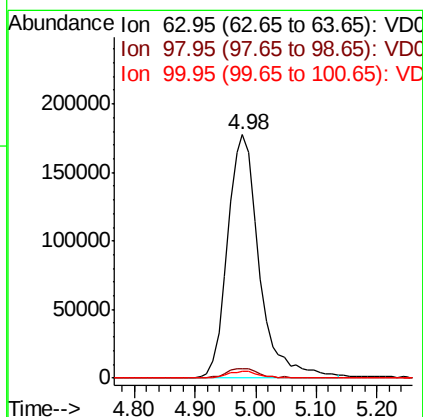
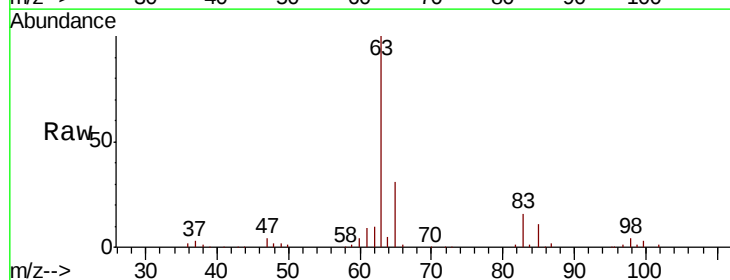
Instrument :
 MSVOA_D
 ClientSampleId :

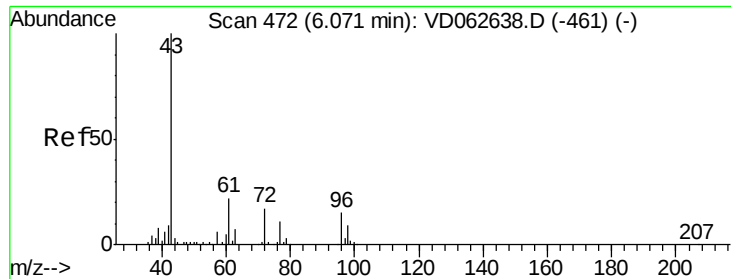
Tot Ion: 43 Resp: 3335719
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.3 7.9



#24
 1,1-Dichloroethane
 Concen: 48.246 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 63 Resp: 645851
 Ion Ratio Lower Upper
 63 100
 98 3.6 1.8 5.4
 100 2.9 1.5 4.4





#25

2-Butanone

Concen: 255.317 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

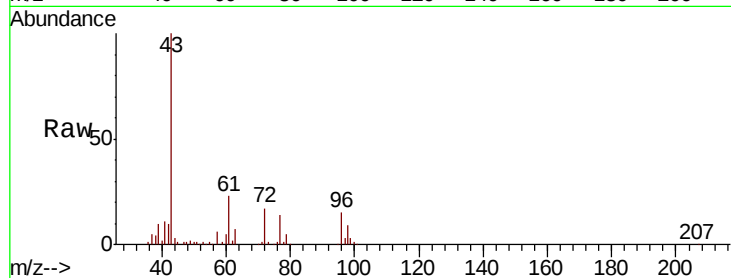
ClientSampled :

Tot Ion: 43 Resp: 484657

Ion Ratio Lower Upper

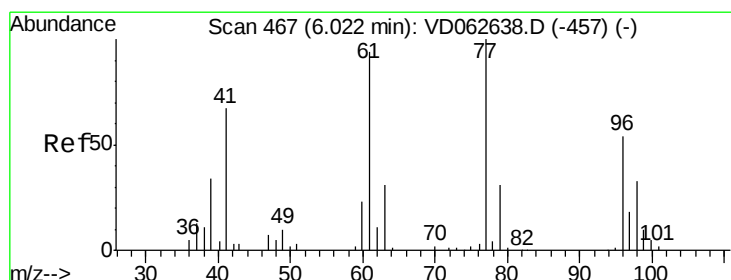
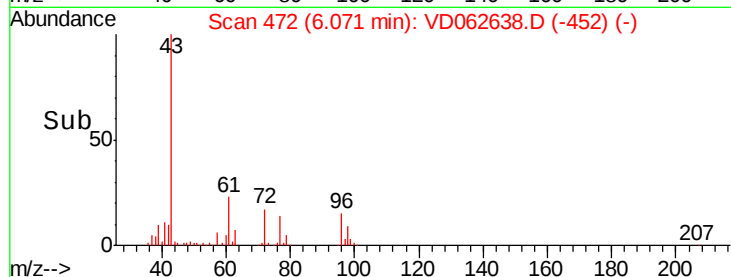
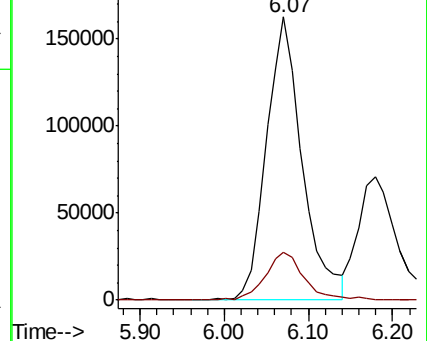
43 100

72 16.9 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.087 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062638.D

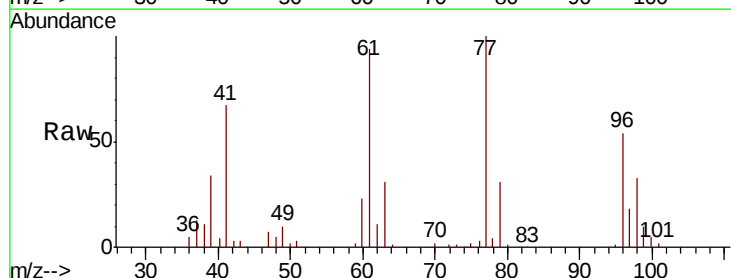
Acq: 7 Jun 2019 12:14

Tgt Ion: 77 Resp: 729218

Ion Ratio Lower Upper

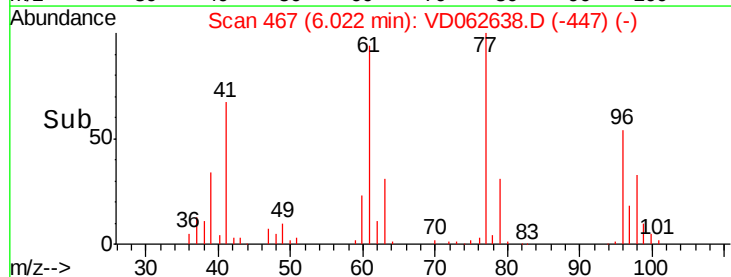
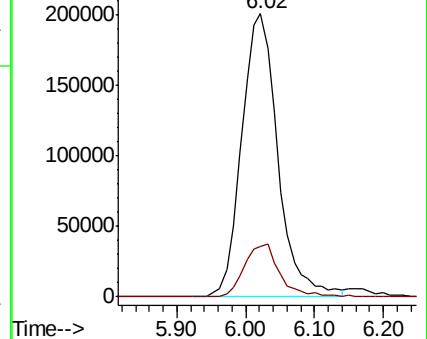
77 100

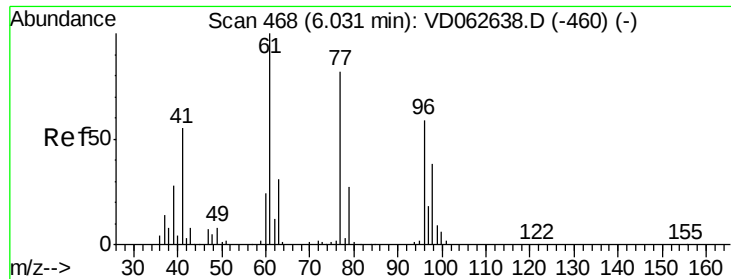
97 17.7 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



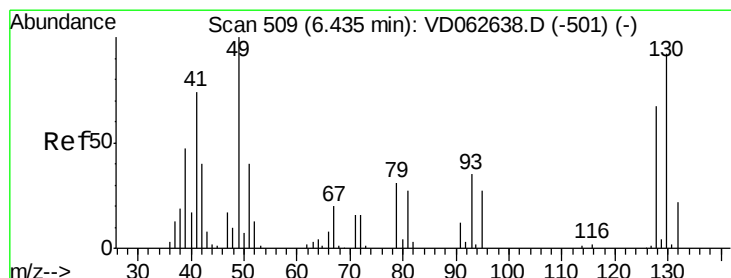
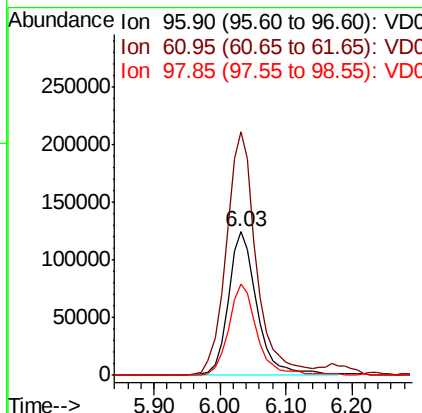
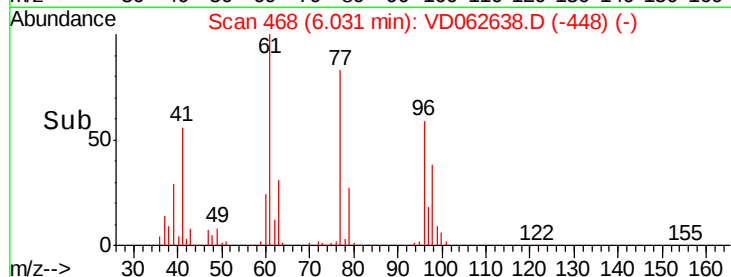
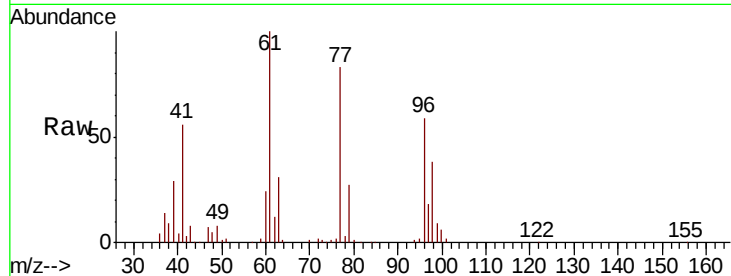


#27

cis-1,2-Dichloroethene
Concen: 49.355 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampled :

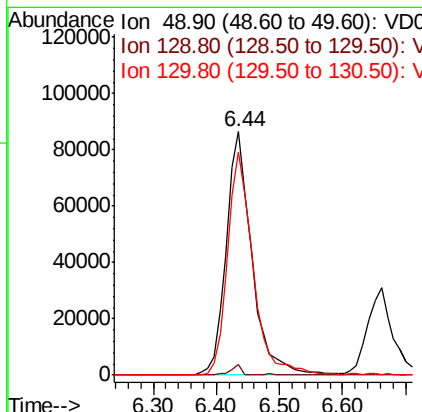
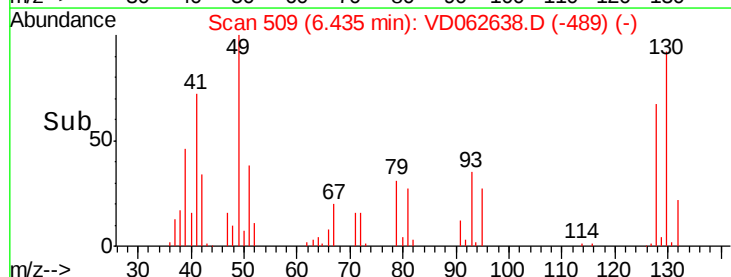
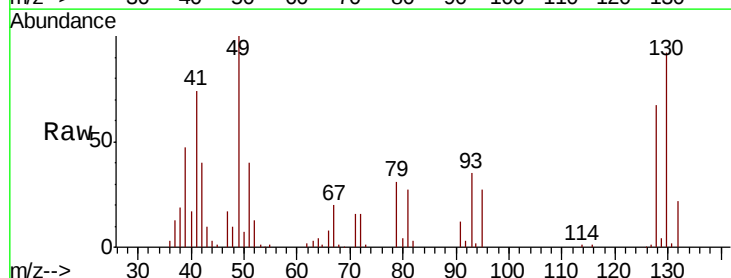
Tot Ion: 96 Resp: 379021
Ion Ratio Lower Upper
96 100
61 170.0 0.0 340.0
98 63.8 0.0 127.6



#28

Bromochloromethane
Concen: 50.776 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 49 Resp: 243387
Ion Ratio Lower Upper
49 100
129 4.1 0.0 8.2
130 91.7 73.4 110.0





#29

Tetrahydrofuran

Concen: 248.067 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

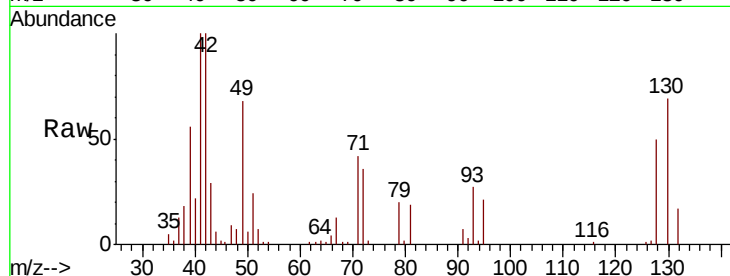
Tot Ion: 42 Resp: 211903

Ion Ratio Lower Upper

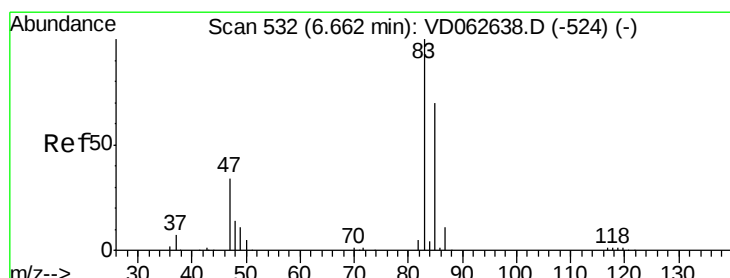
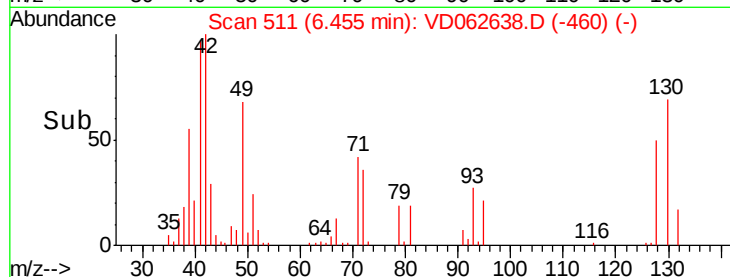
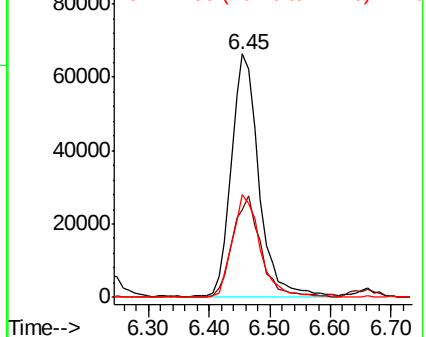
42 100

72 42.2 33.8 50.6

71 42.8 34.2 51.4



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: 48.236 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD062638.D

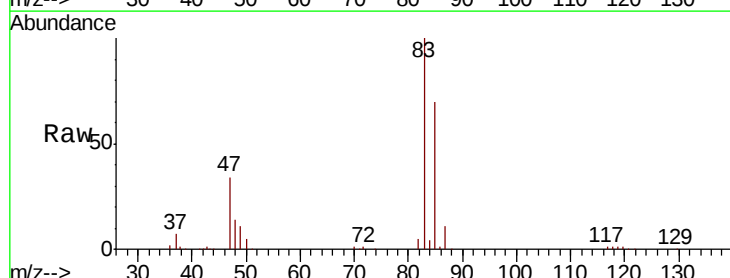
Acq: 7 Jun 2019 12:14

Tgt Ion: 83 Resp: 831186

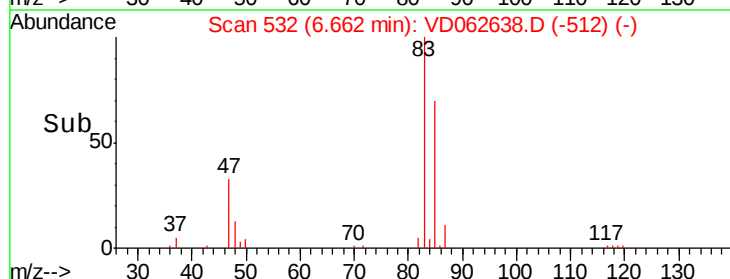
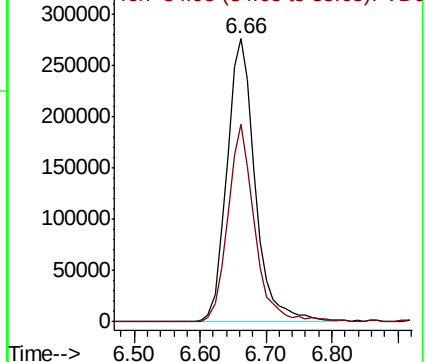
Ion Ratio Lower Upper

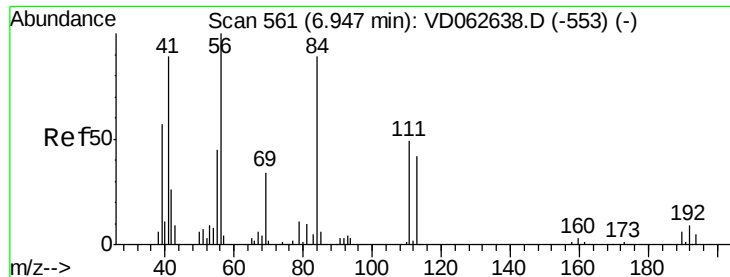
83 100

85 69.7 55.8 83.6



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

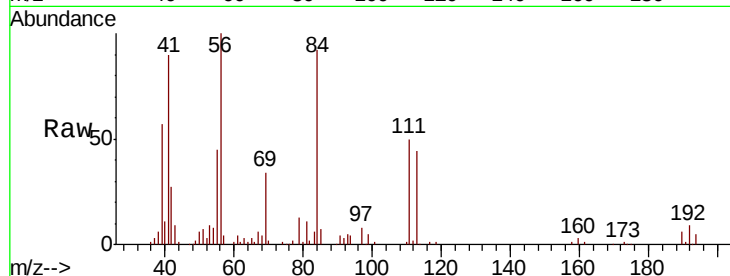




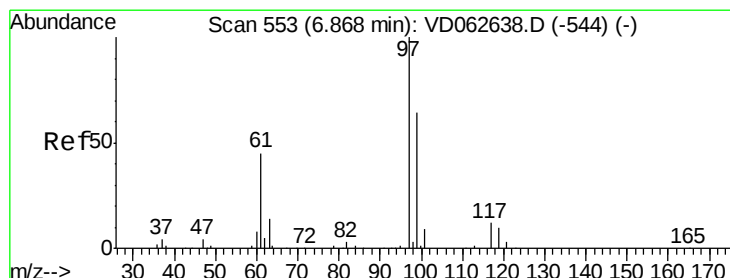
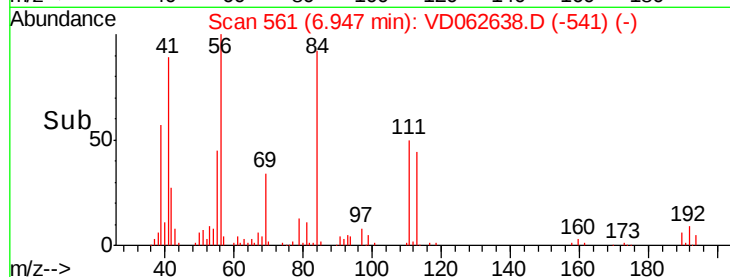
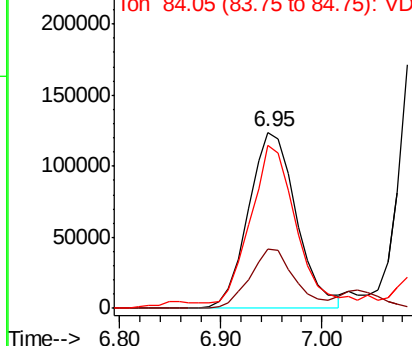
#31
Cyclohexane
Concen: 49.872 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 409174
Ion Ratio Lower Upper
56 100
69 33.5 26.8 40.2
84 92.4 73.9 110.9

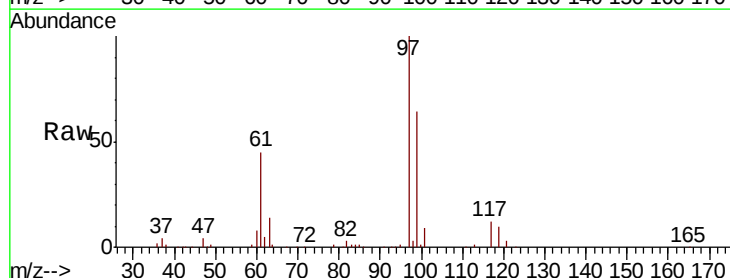


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

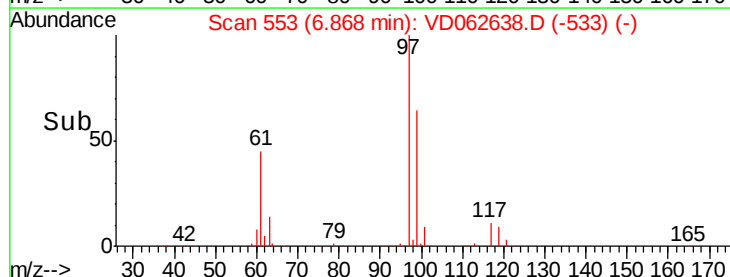
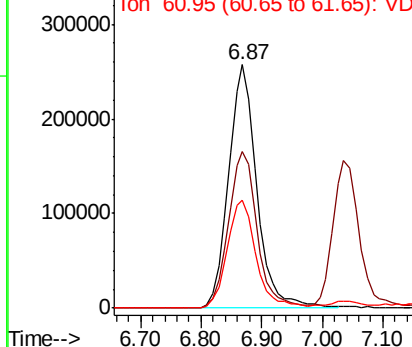


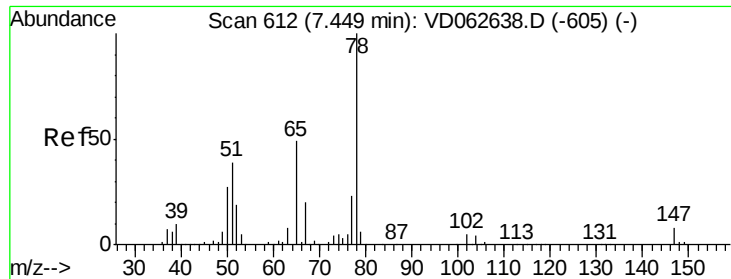
#32
1,1,1-Trichloroethane
Concen: 47.756 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 97 Resp: 832226
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 44.5 35.6 53.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.059 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

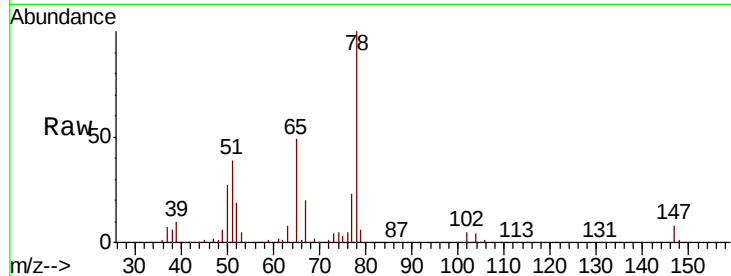
ClientSampleId :

Tot Ion: 65 Resp: 493228

Ion Ratio Lower Upper

65 100

67 40.9 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

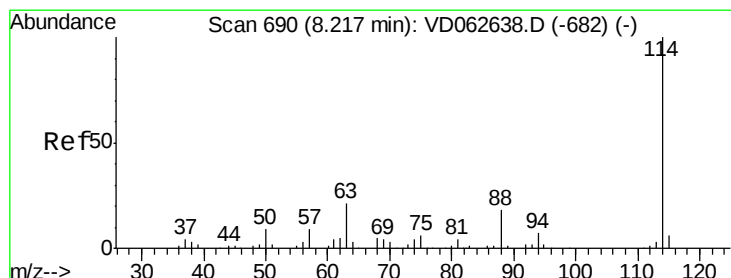
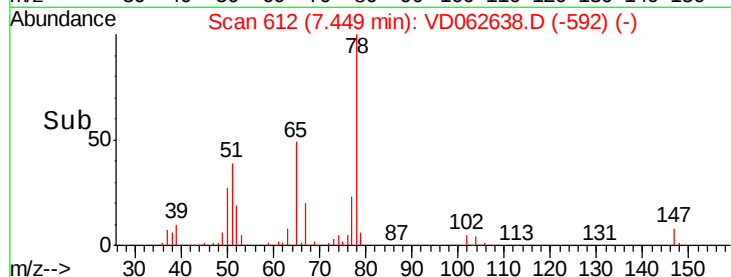
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

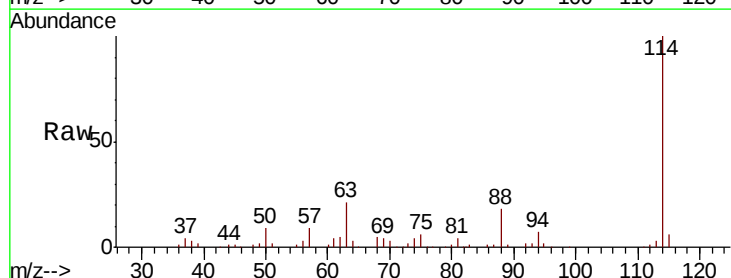
Tgt Ion: 114 Resp: 995038

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 18.4 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

500000

400000

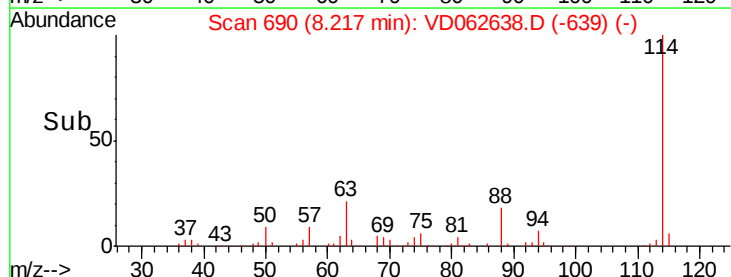
300000

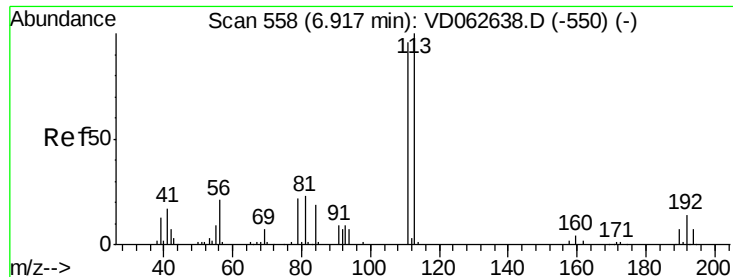
200000

100000

0

Time--> 8.00 8.20 8.40

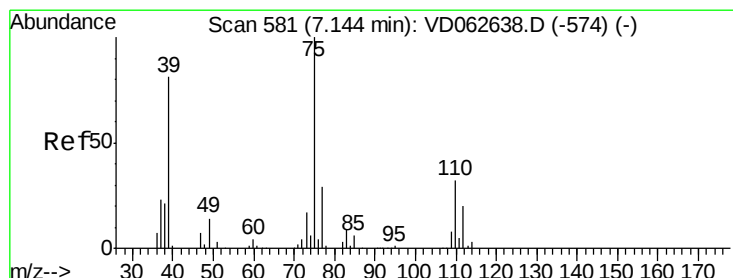
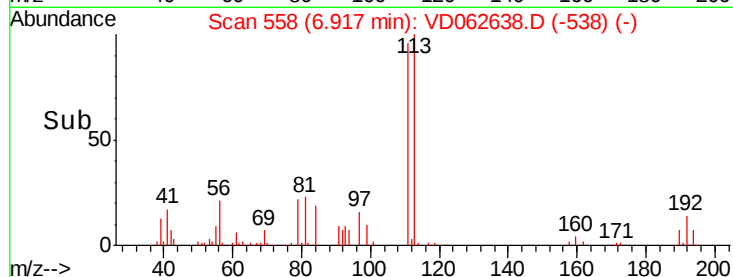
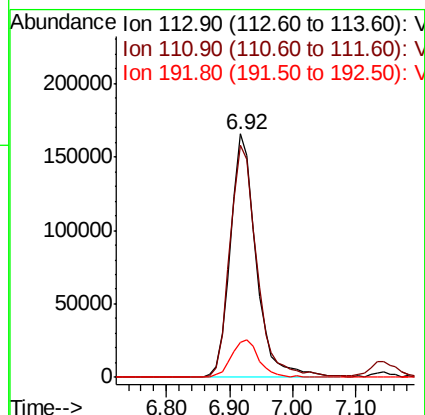
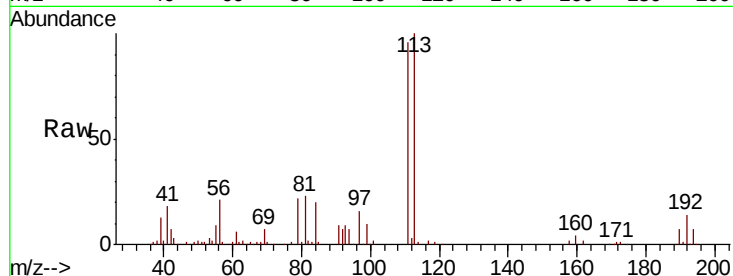




#35
 Dibromofluoromethane
 Concen: 44.465 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

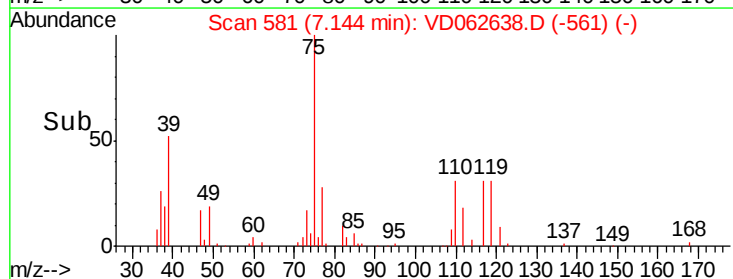
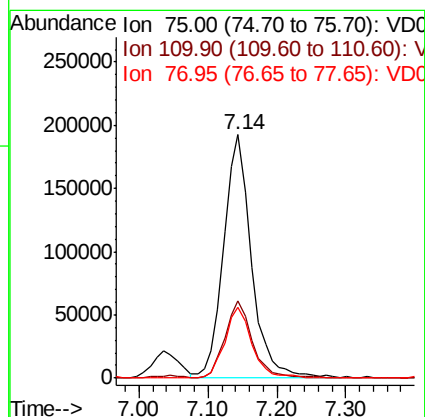
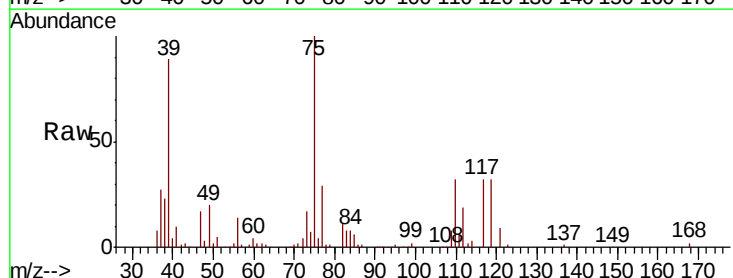
Instrument :
 MSVOA_D
 ClientSampleId :

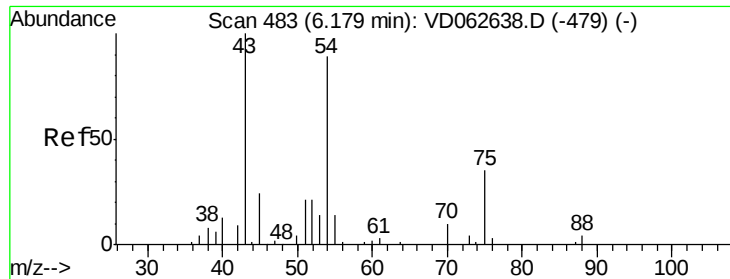
Tot Ion:113 Resp: 466719
 Ion Ratio Lower Upper
 113 100
 111 95.5 76.4 114.6
 192 14.2 11.4 17.0



#36
 1,1-Dichloropropene
 Concen: 45.283 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 75 Resp: 536636
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.9 47.7
 77 29.1 23.3 34.9

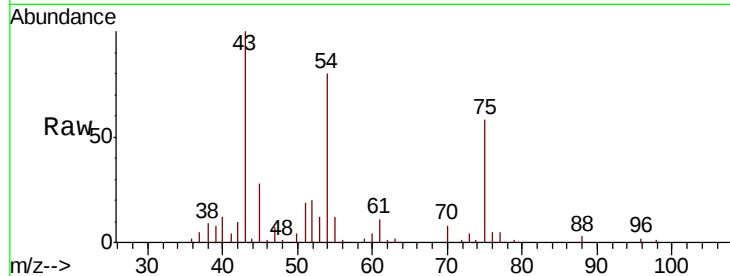




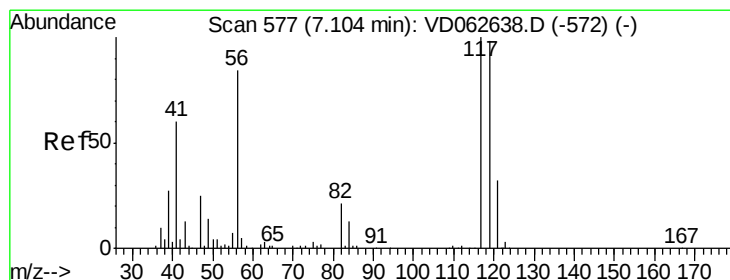
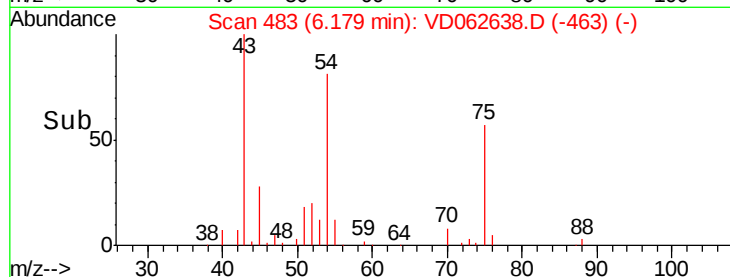
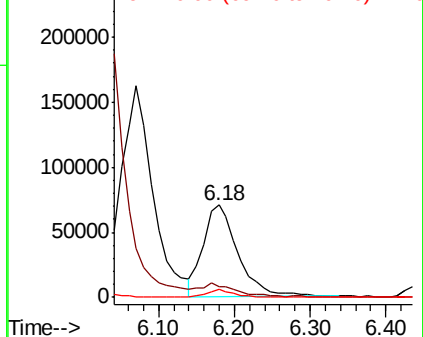
#37
Ethyl Acetate
Concen: 42.932 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 221802
Ion Ratio Lower Upper
43 100
61 10.9 8.7 13.1
70 8.1 6.5 9.7

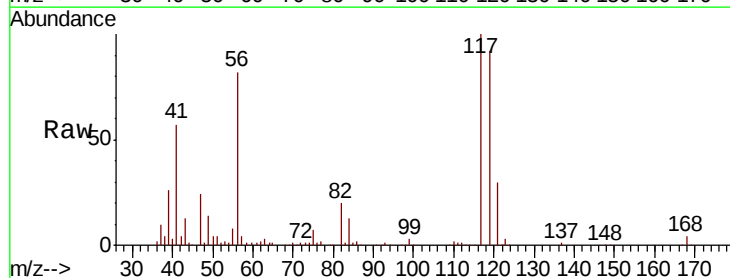


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

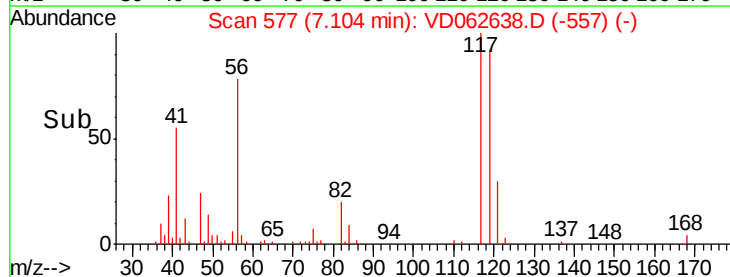
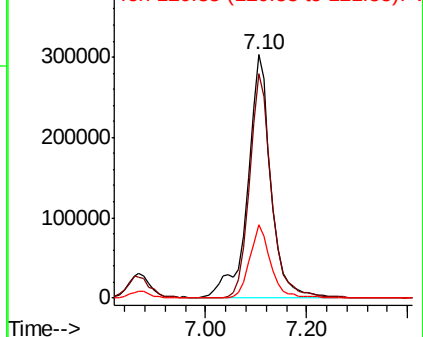


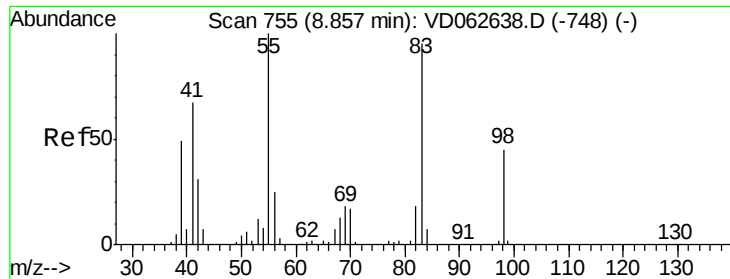
#38
Carbon Tetrachloride
Concen: 51.707 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 117 Resp: 967203
Ion Ratio Lower Upper
117 100
119 91.9 73.5 110.3
121 30.3 24.2 36.4



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

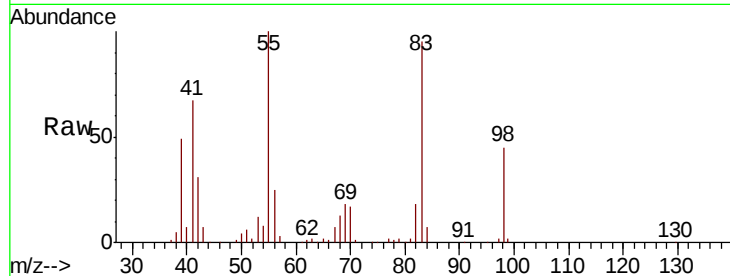




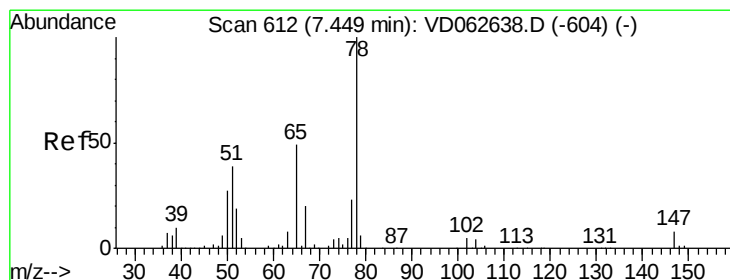
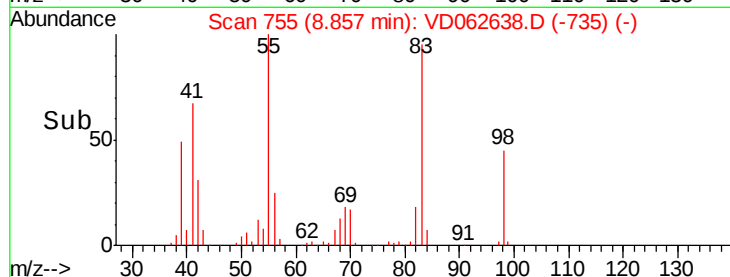
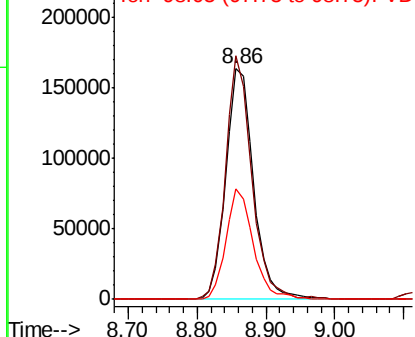
#39
Methvlcvclohexane
Concen: 48.429 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 456720
Ion Ratio Lower Upper
83 100
55 105.8 84.6 127.0
98 47.8 38.2 57.4

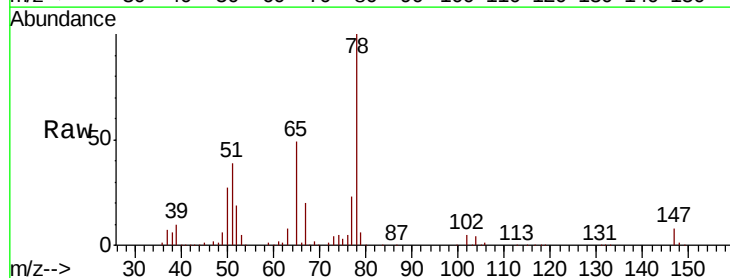


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

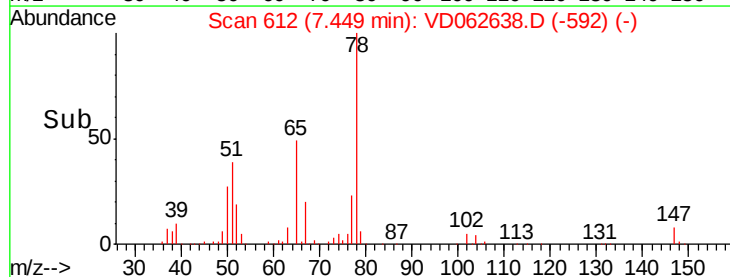
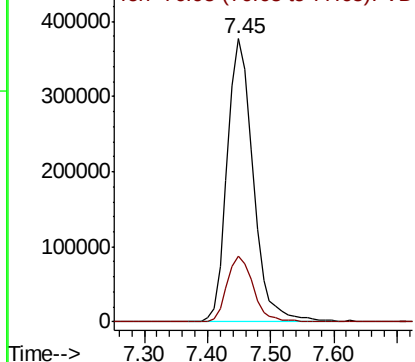


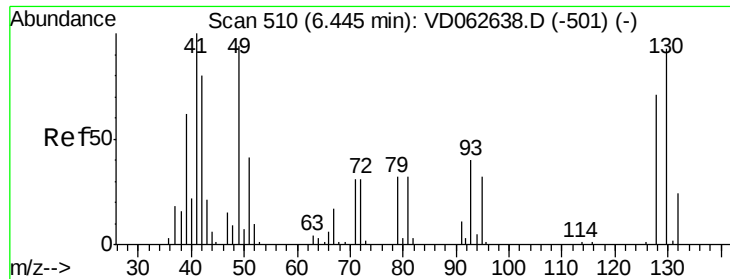
#40
Benzene
Concen: 47.757 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 78 Resp: 1078101
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0



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

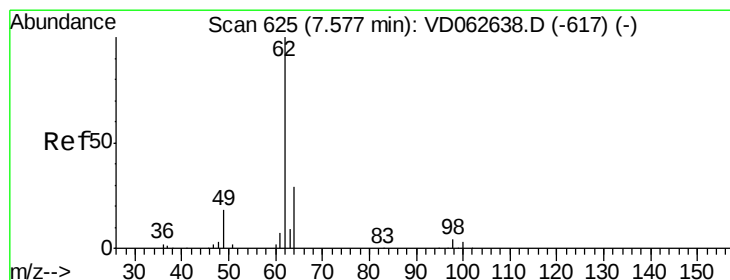
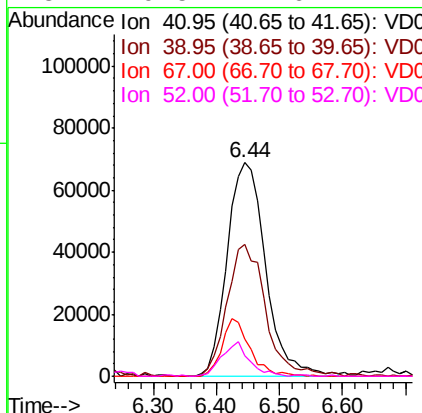
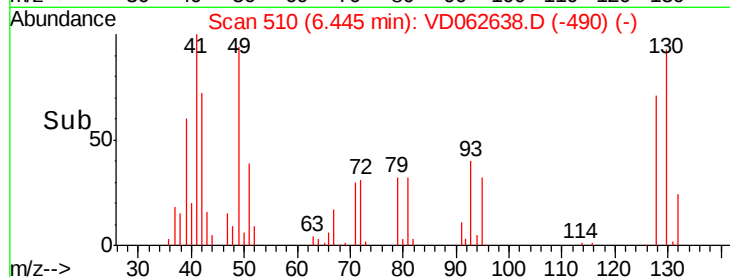
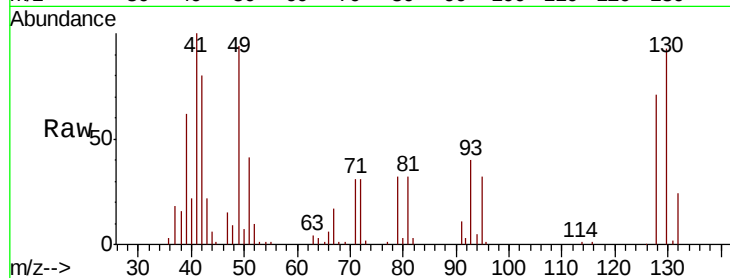




#41
Methacrylonitrile
Concen: 47.047 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

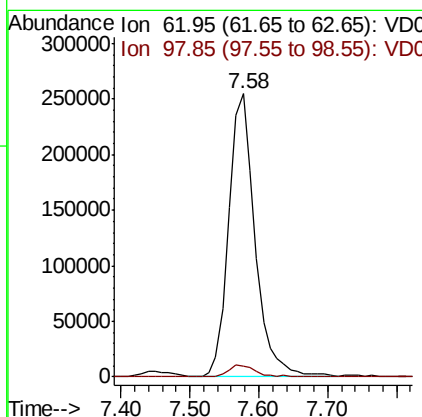
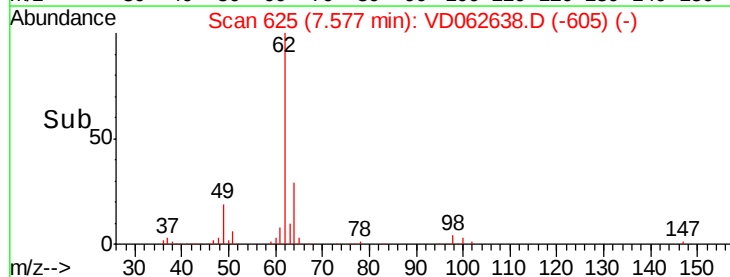
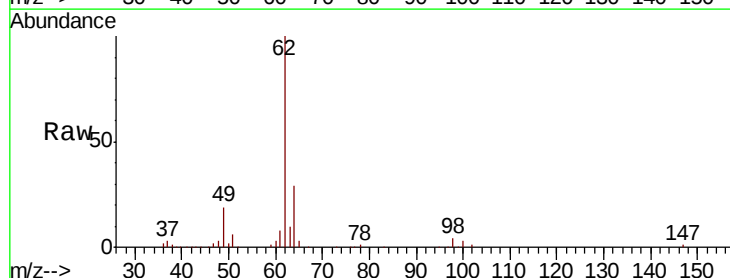
Instrument :
MSVOA_D
ClientSampleId :

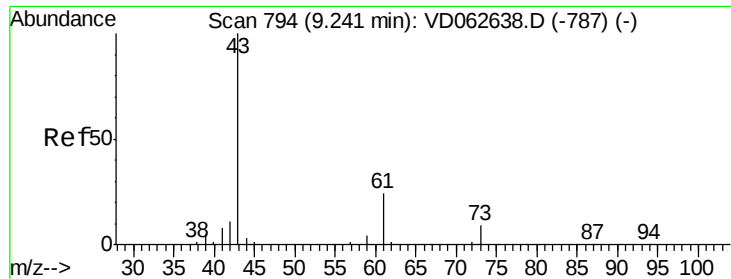
Tot Ion:	41	Resp:	291307
Ion	Ratio	Lower	Upper
41	100		
39	61.5	49.2	73.8
67	17.4	13.9	20.9
52	9.5	7.6	11.4



#42
1,2-Dichloroethane
Concen: 49.777 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:	62	Resp:	673912
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	7.4





#43

Isopropyl Acetate

Concen: 49.494 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

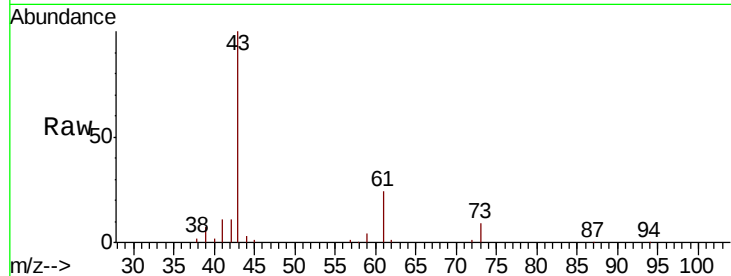
Tot Ion: 43 Resp: 300252

Ion Ratio Lower Upper

43 100

61 23.8 19.0 28.6

87 0.4 0.3 0.5

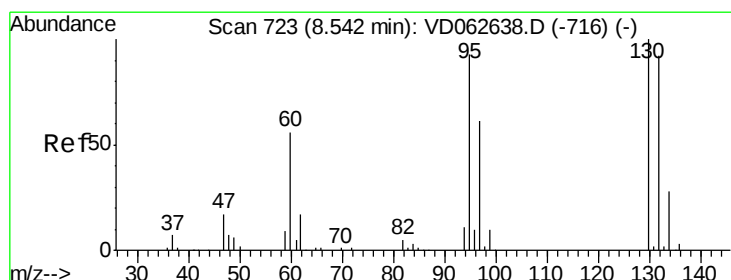
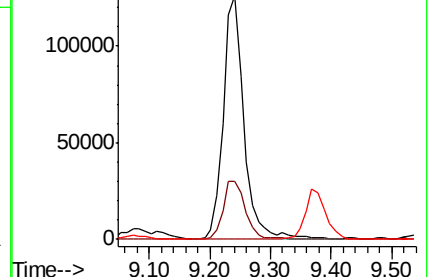
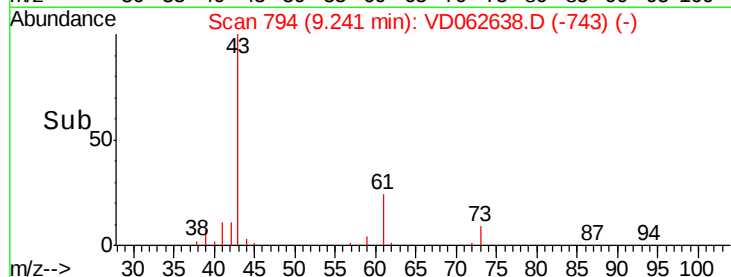


Abundance Ion 42.95 (42.65 to 43.65): VD062638.D (-787) (-)

Ion 60.95 (60.65 to 61.65): VD062638.D (-787) (-)

Ion 87.00 (86.70 to 87.70): VD062638.D (-787) (-)

9.24



#44

Trichloroethene

Concen: 47.680 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD062638.D

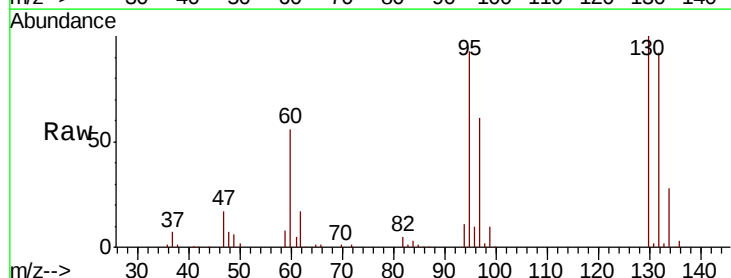
Acq: 7 Jun 2019 12:14

Tgt Ion:130 Resp: 444301

Ion Ratio Lower Upper

130 100

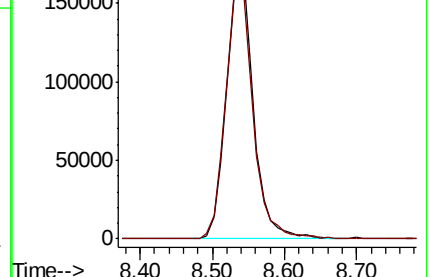
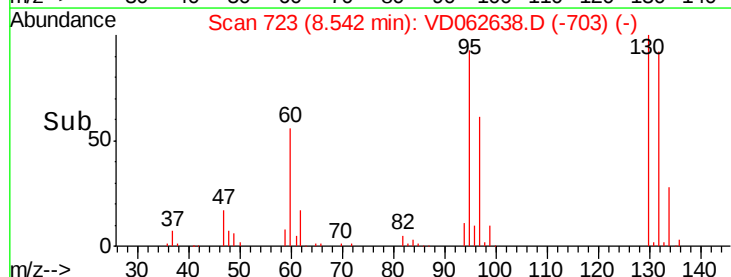
95 92.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VD062638.D (-716) (-)

Ion 94.90 (94.60 to 95.60): VD062638.D (-716) (-)

8.54

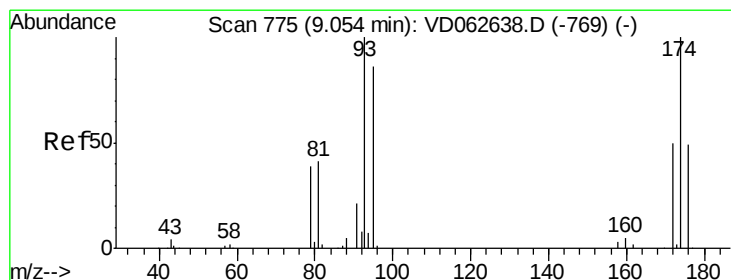
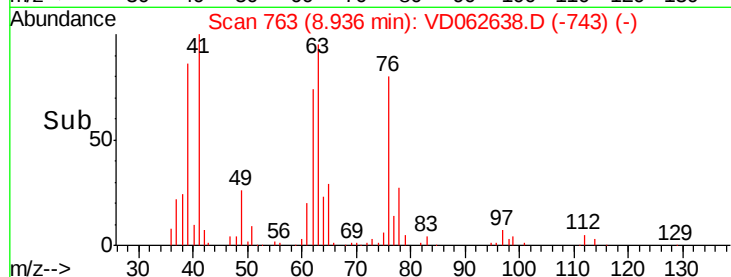
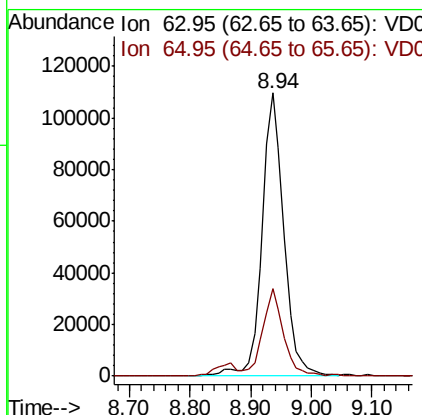
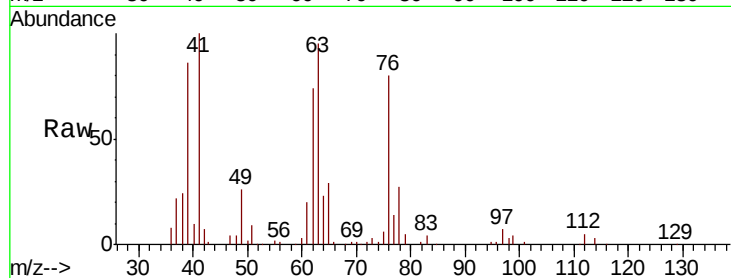




#45
 1,2-Dichloropropane
 Concen: 50.100 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

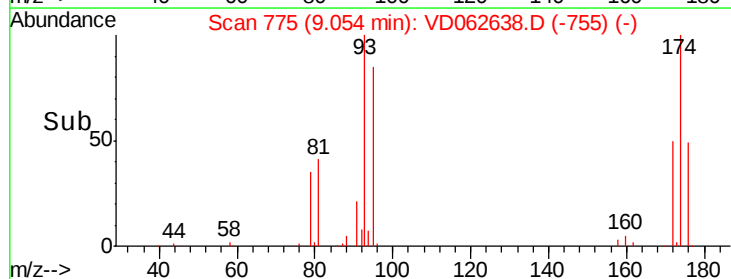
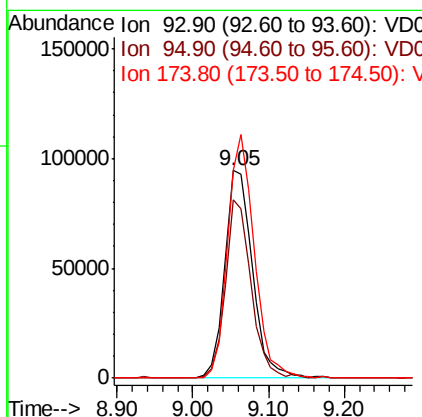
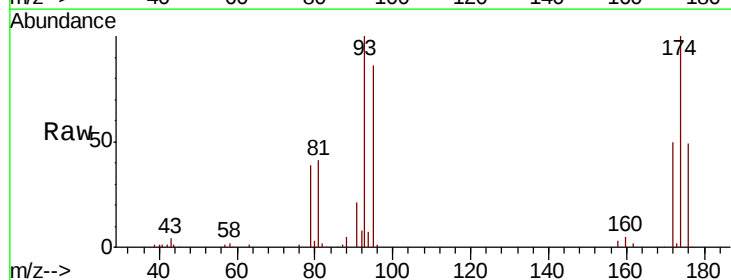
Instrument :
 MSVOA_D
 ClientSampleId :

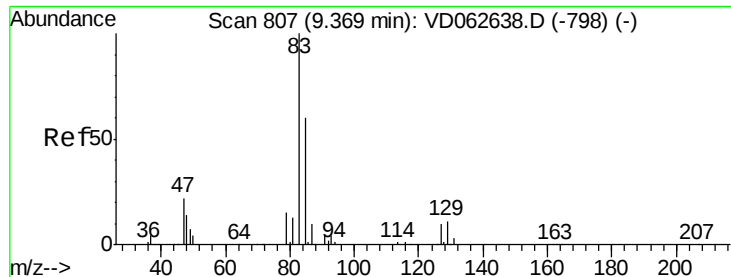
Tot Ion: 63 Resp: 274376
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0



#46
 Dibromomethane
 Concen: 48.838 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 93 Resp: 239536
 Ion Ratio Lower Upper
 93 100
 95 85.9 68.7 103.1
 174 99.8 79.8 119.8





#47

Bromodichloromethane

Concen: 46.517 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

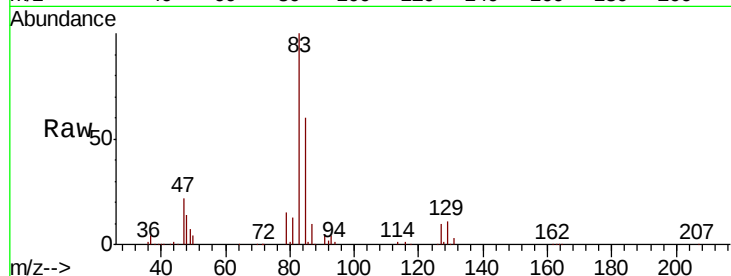
Tot Ion: 83 Resp: 619420

Ion Ratio Lower Upper

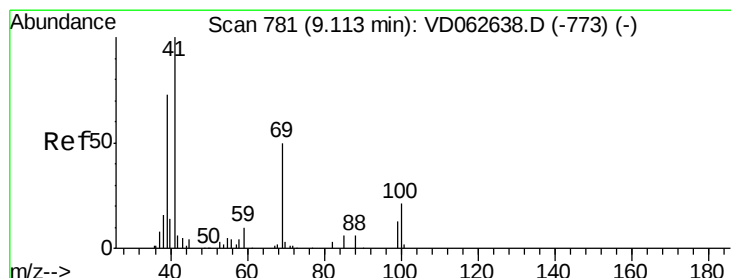
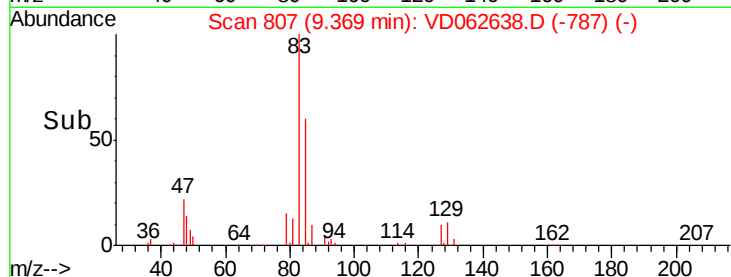
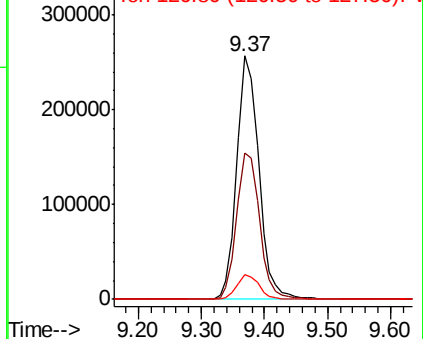
83 100

85 59.9 47.9 71.9

127 10.3 8.2 12.4



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: 47.368 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

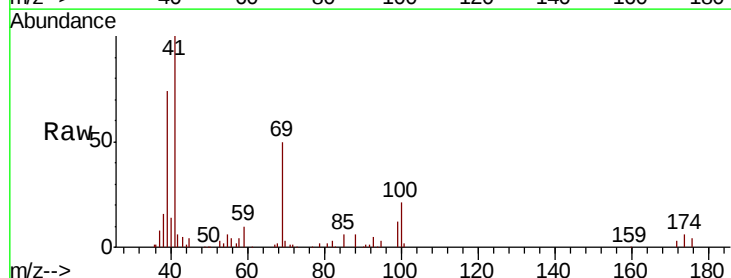
Tgt Ion: 41 Resp: 213921

Ion Ratio Lower Upper

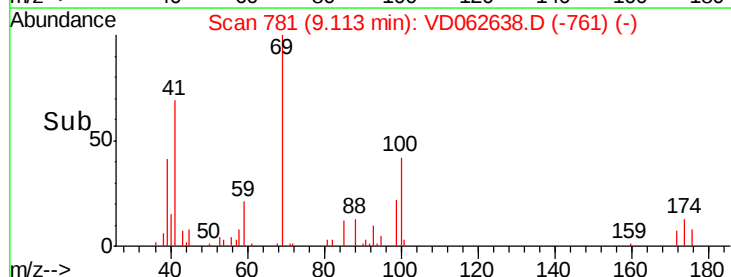
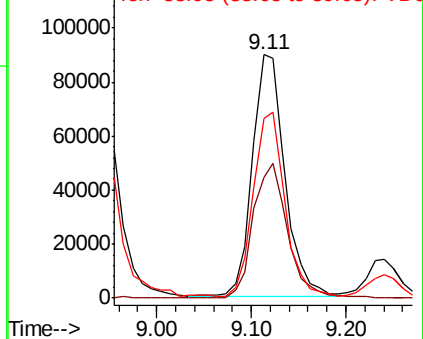
41 100

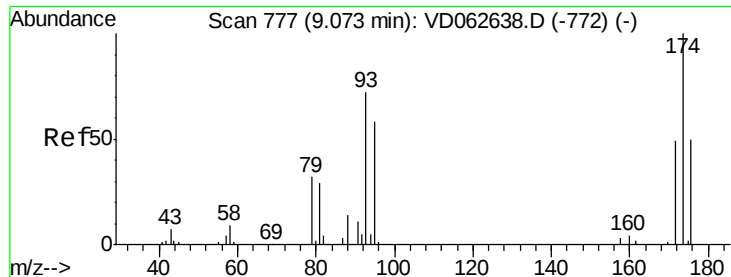
69 49.7 39.8 59.6

39 73.9 59.1 88.7



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

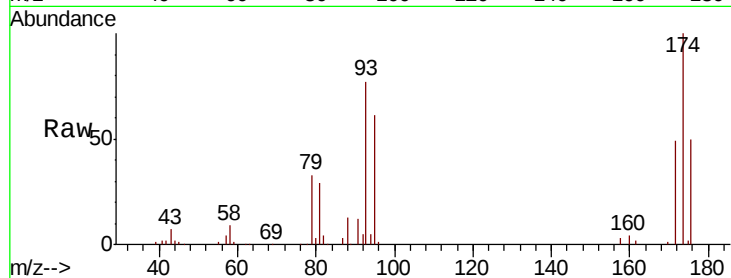




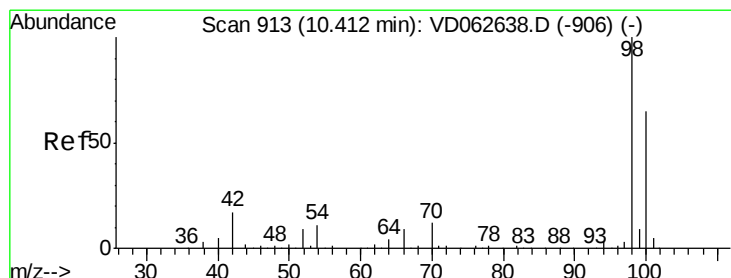
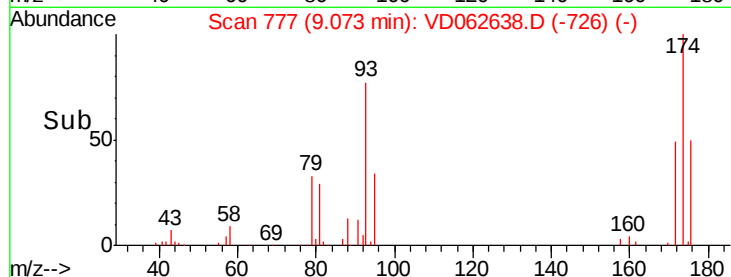
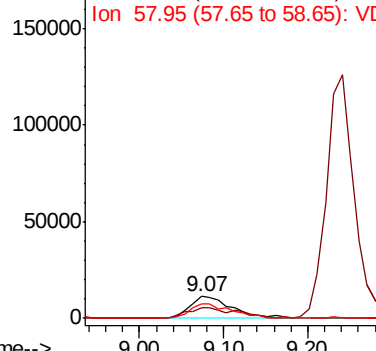
#49
1,4-Dioxane
Concen: 1090.572 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 38907
Ion Ratio Lower Upper
88 100
43 50.9 40.7 61.1
58 67.8 54.2 81.4

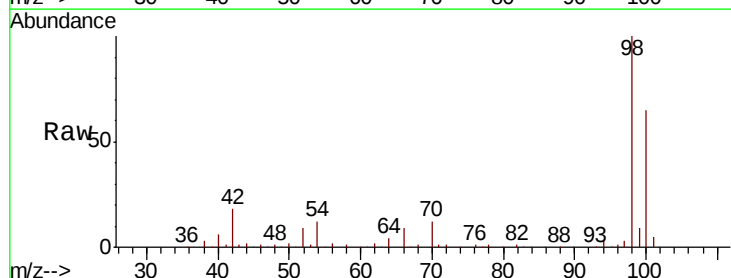


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

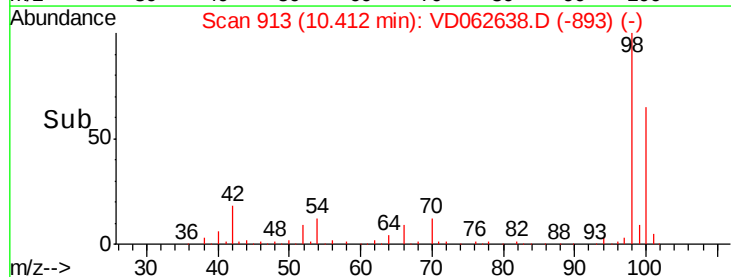
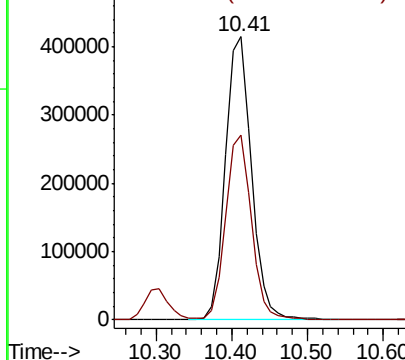


#50
Toluene-d8
Concen: 44.158 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 98 Resp: 986896
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



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: 243.754 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

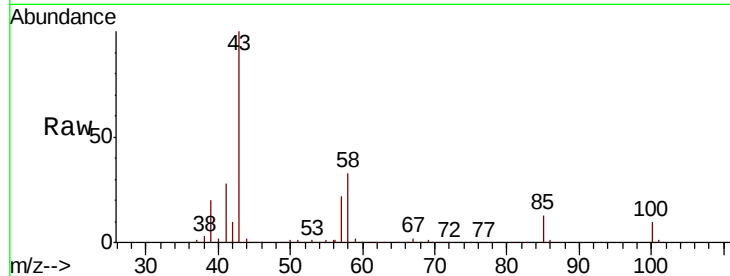
ClientSampleId :

Tot Ion: 43 Resp: 1049991

Ion Ratio Lower Upper

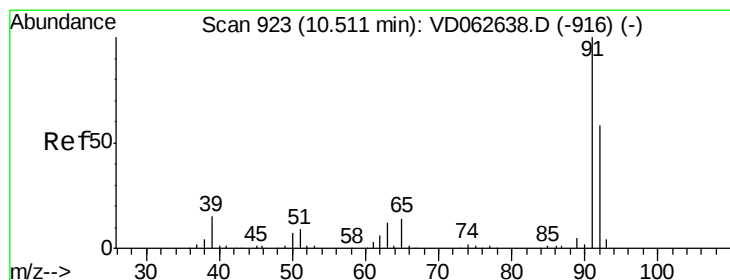
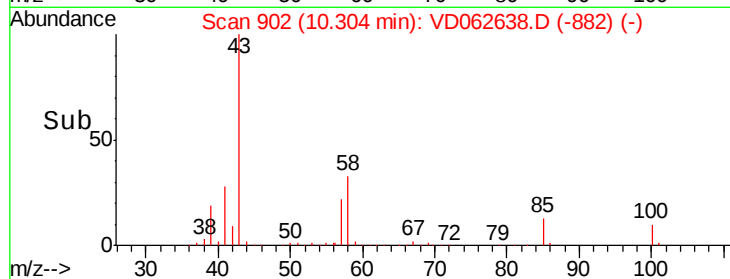
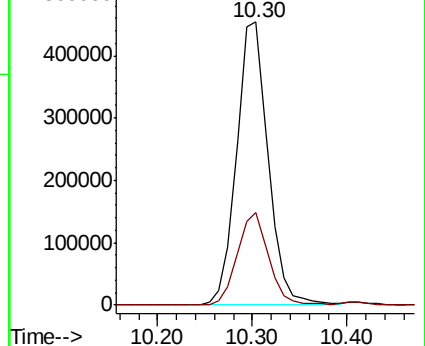
43 100

58 32.6 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.839 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062638.D

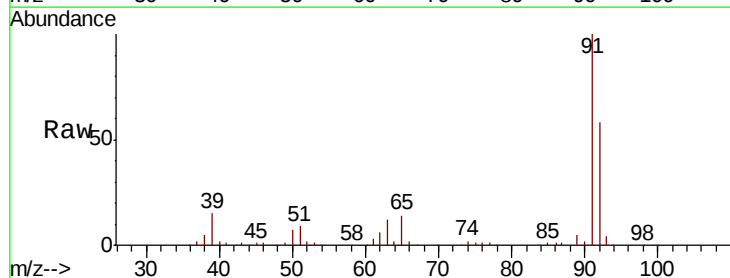
Acq: 7 Jun 2019 12:14

Tgt Ion: 92 Resp: 769879

Ion Ratio Lower Upper

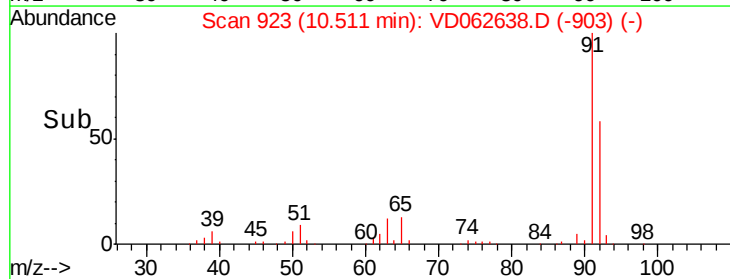
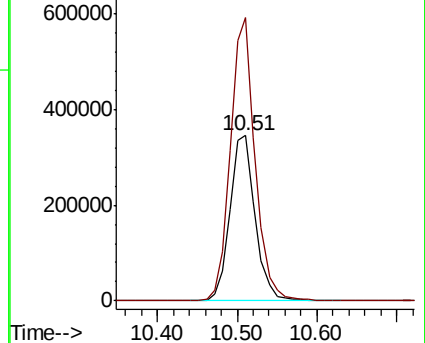
92 100

91 171.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

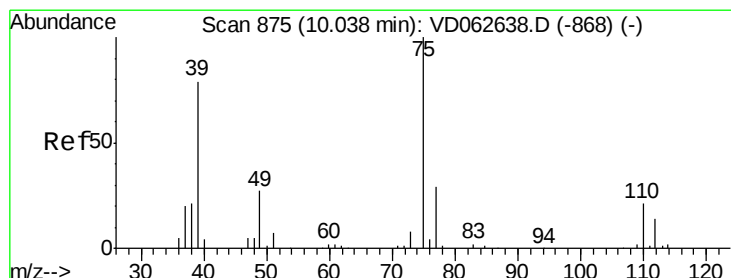
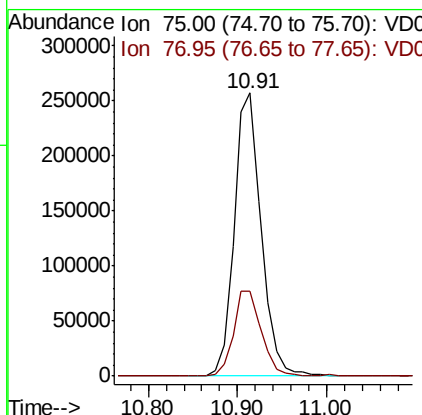
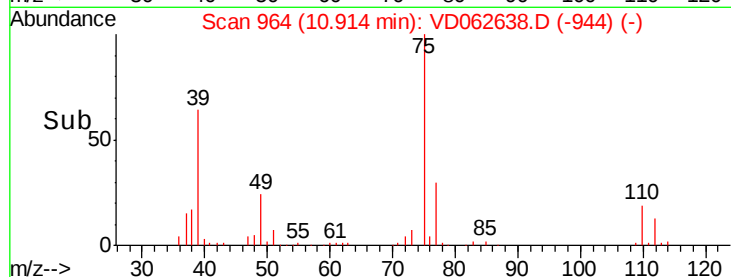
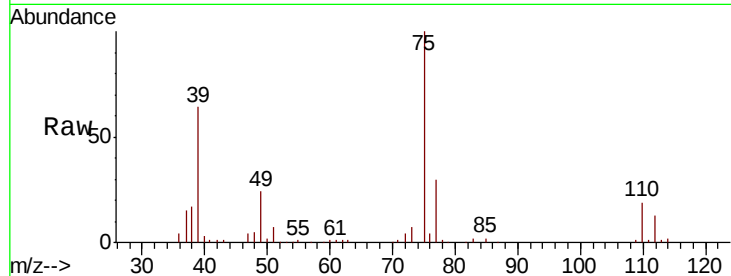




#53
 t-1,3-Dichloropropene
 Concen: 49.342 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

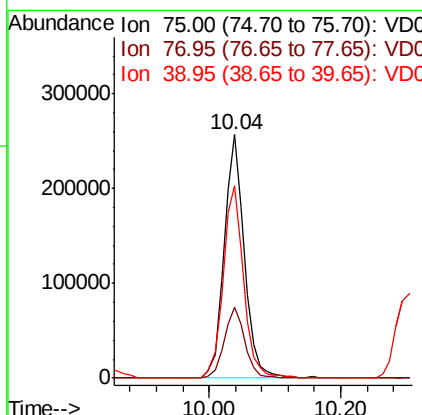
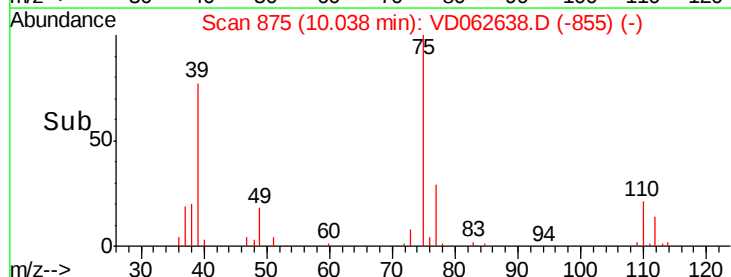
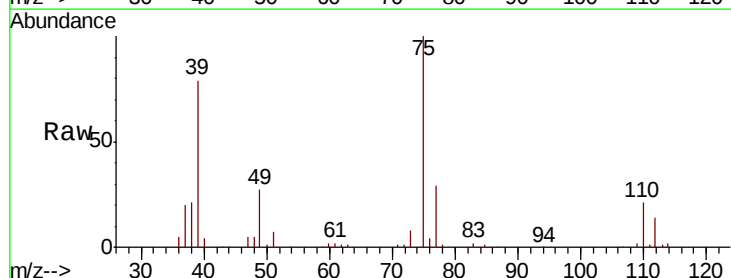
Instrument :
 MSVOA_D
 ClientSampled :

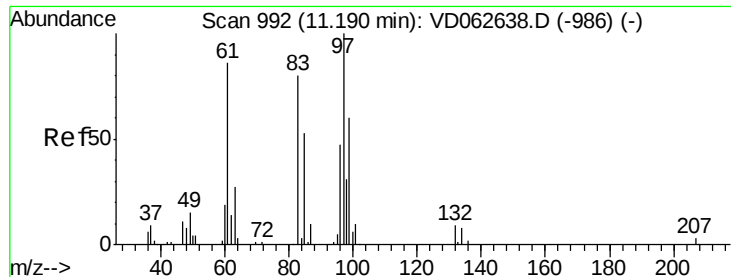
Tot Ion: 75 Resp: 540833
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 48.469 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 75 Resp: 549718
 Ion Ratio Lower Upper
 75 100
 77 28.9 23.1 34.7
 39 79.3 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 48.710 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 251415

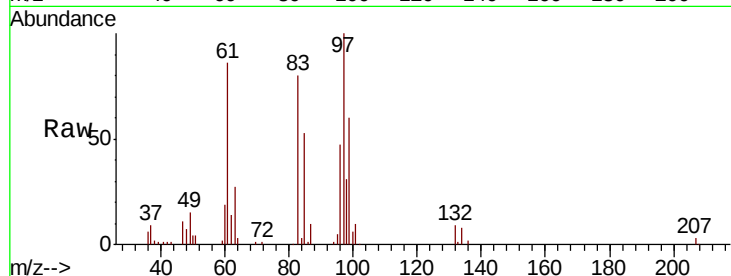
Ion Ratio Lower Upper

97 100

83 79.8 63.8 95.8

85 52.9 42.3 63.5

99 60.0 48.0 72.0

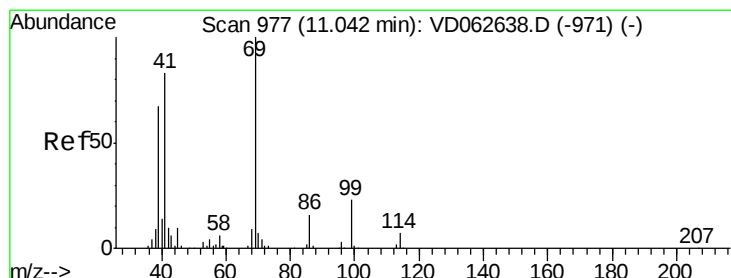
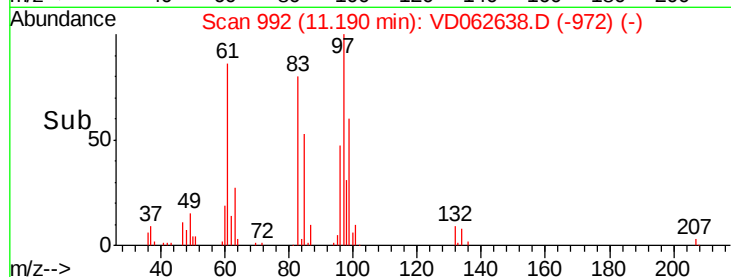
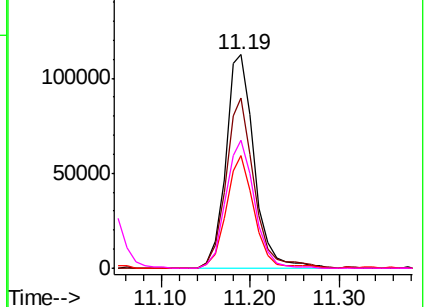


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 50.512 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

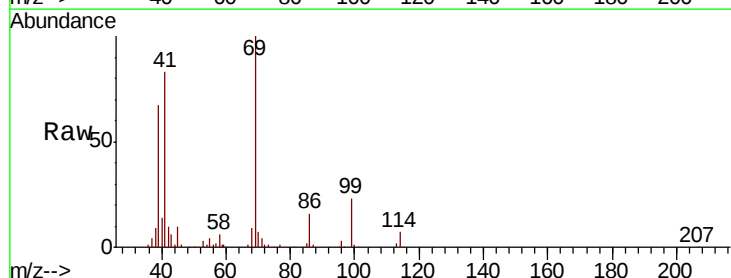
Tgt Ion: 69 Resp: 284983

Ion Ratio Lower Upper

69 100

41 82.8 66.2 99.4

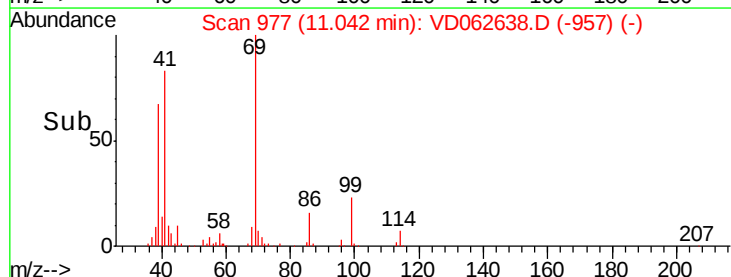
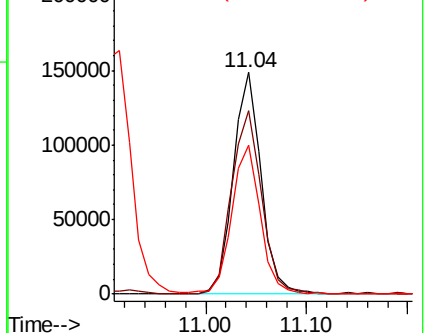
39 67.3 53.8 80.8

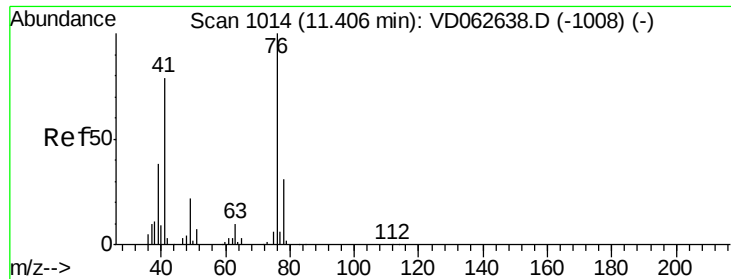


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

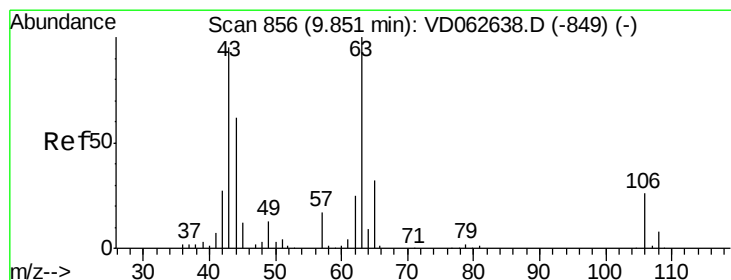
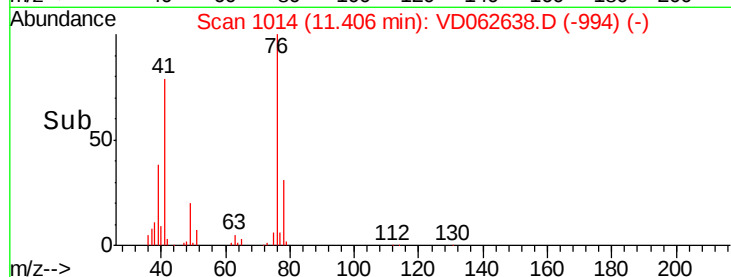
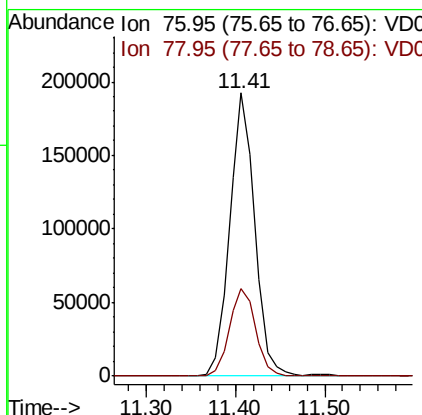
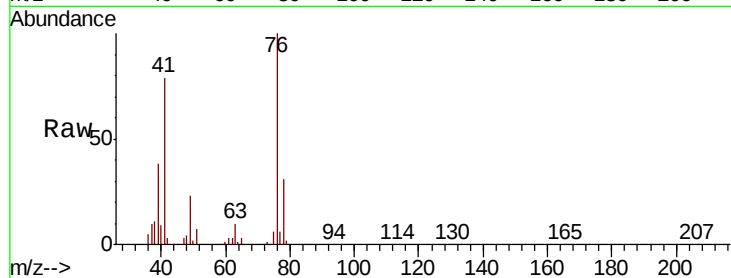




#57
 1,3-Dichloropropane
 Concen: 46.750 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

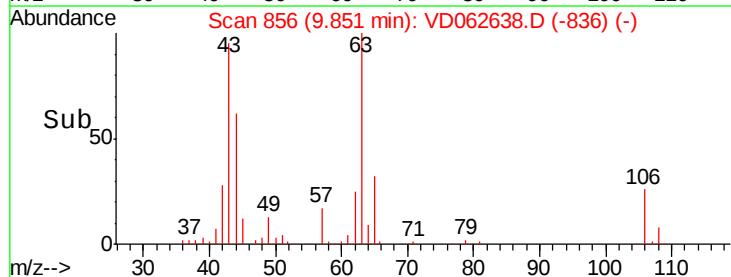
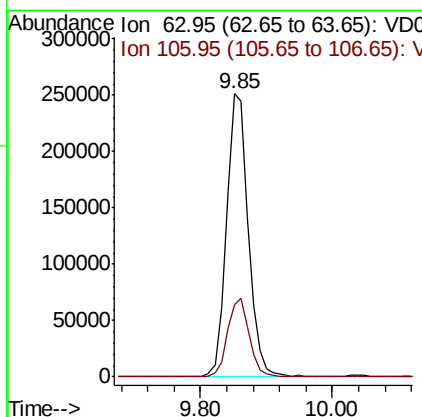
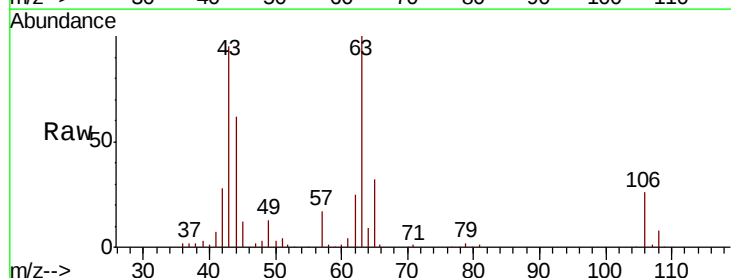
Instrument :
 MSVOA_D
 ClientSampled :

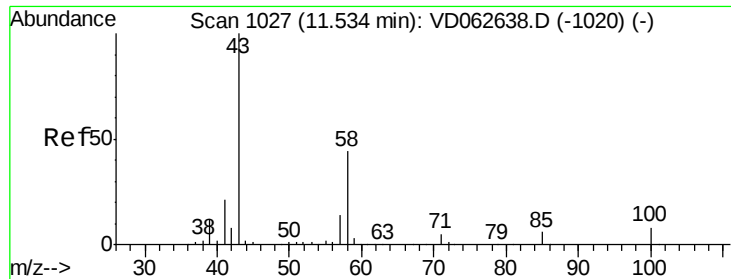
Tot Ion: 76 Resp: 379489
 Ion Ratio Lower Upper
 76 100
 78 31.1 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 205.436 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 63 Resp: 582511
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.5 30.7

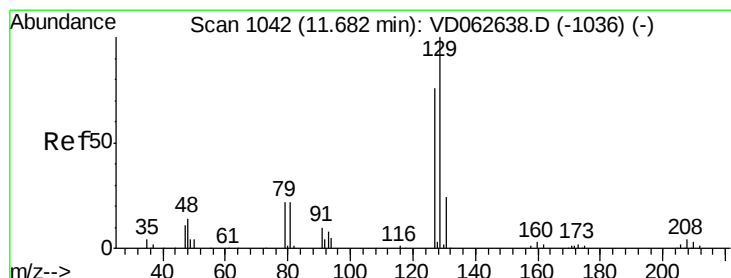
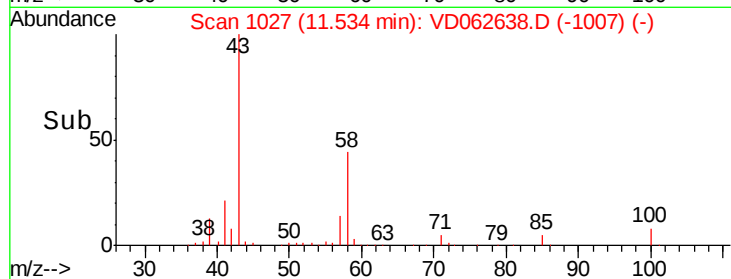
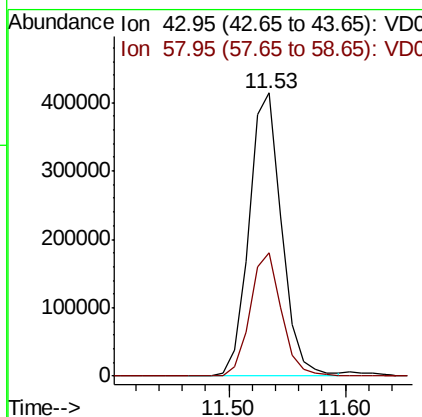
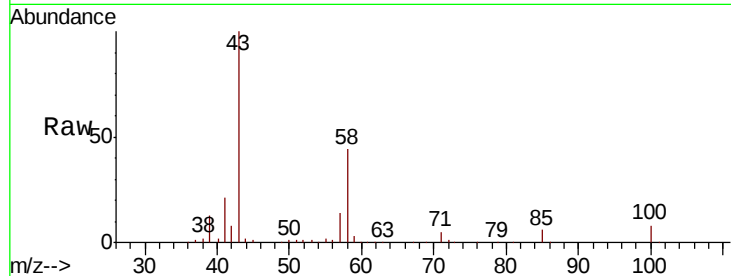




#59
2-Hexanone
Concen: 246.700 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

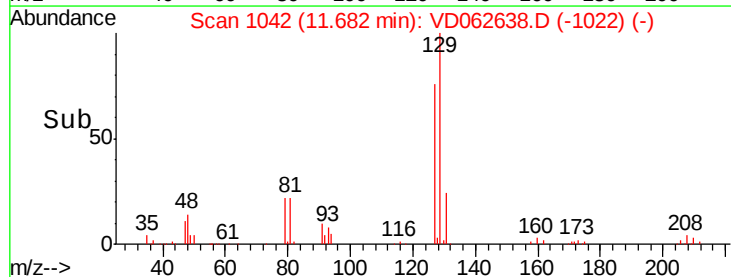
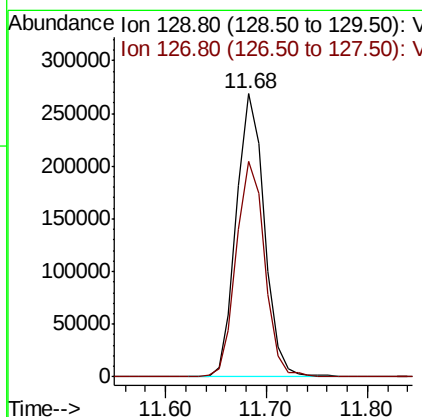
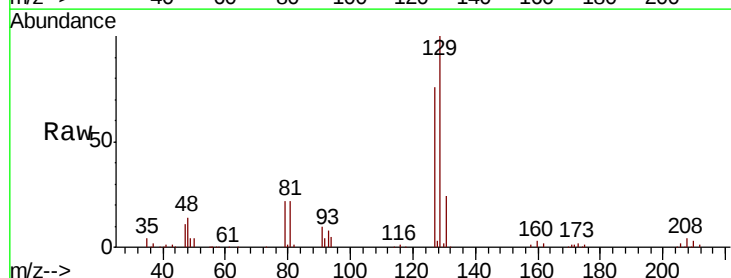
Instrument :
MSVOA_D
ClientSampled :

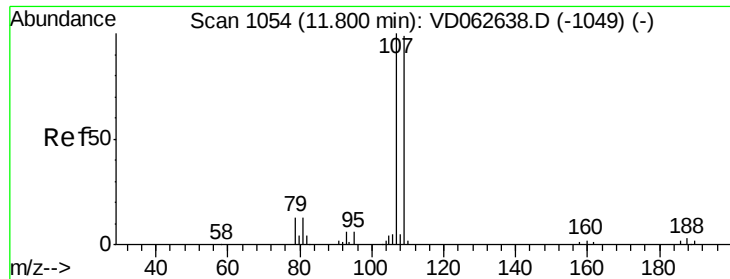
Tot Ion: 43 Resp: 799898
Ion Ratio Lower Upper
43 100
58 43.6 21.8 65.4



#60
Dibromochloromethane
Concen: 51.056 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 129 Resp: 523430
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1

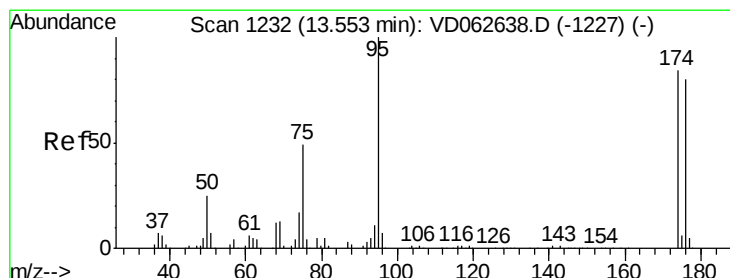
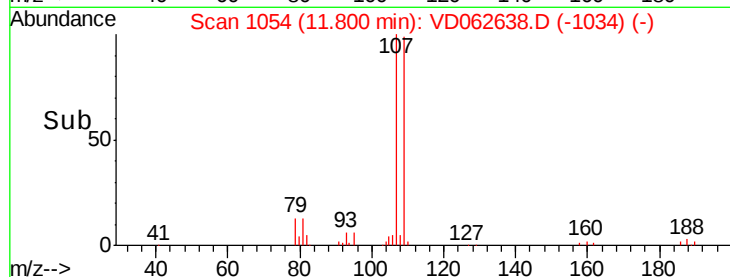
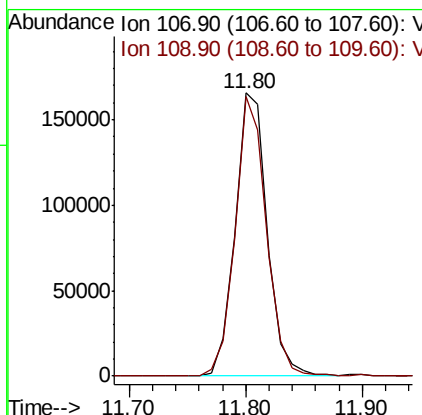
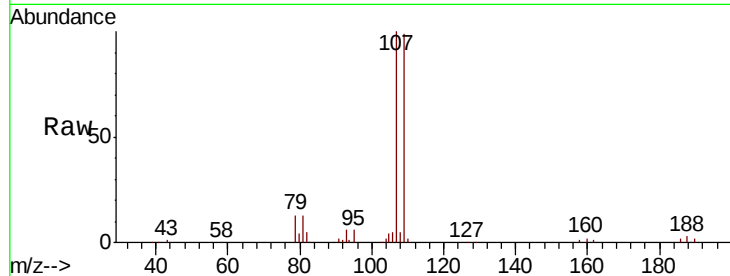




#61
 1,2-Dibromoethane
 Concen: 50.348 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

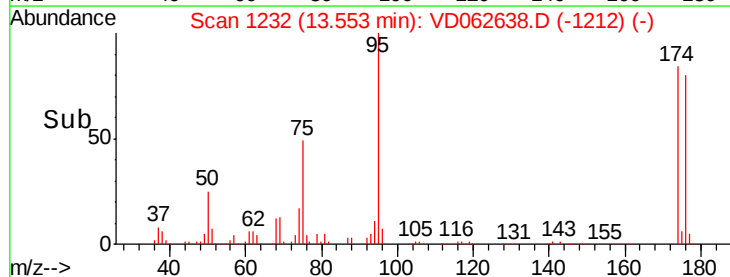
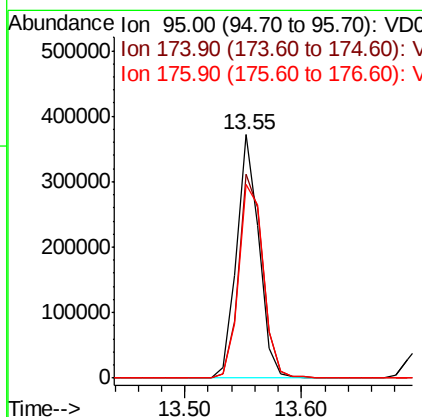
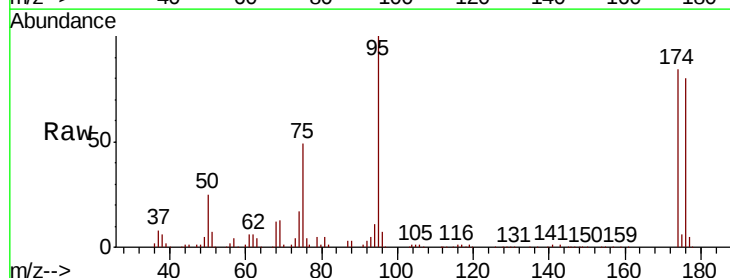
Instrument :
 MSVOA_D
 ClientSampleId :

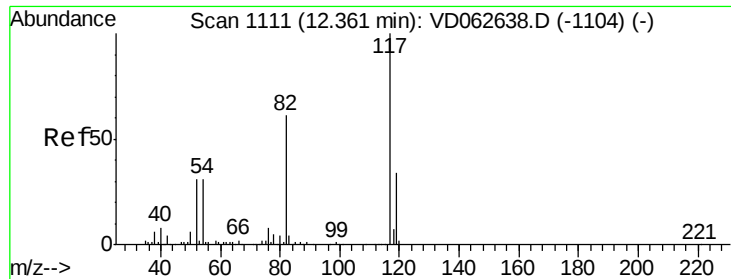
Tot Ion:107 Resp: 315157
 Ion Ratio Lower Upper
 107 100
 109 99.0 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 46.581 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 95 Resp: 493922
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 167.0
 176 79.6 0.0 159.2

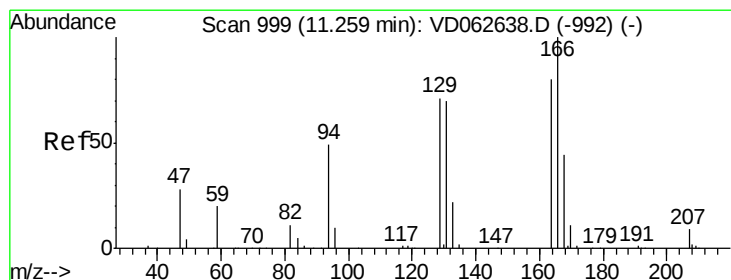
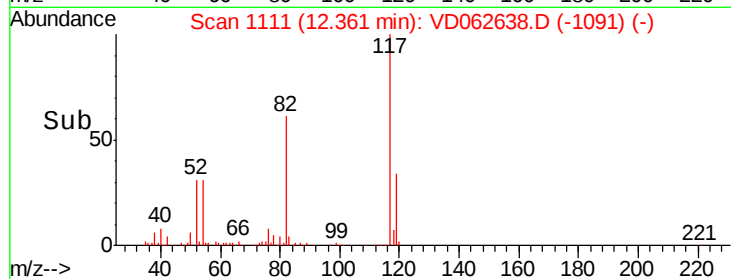
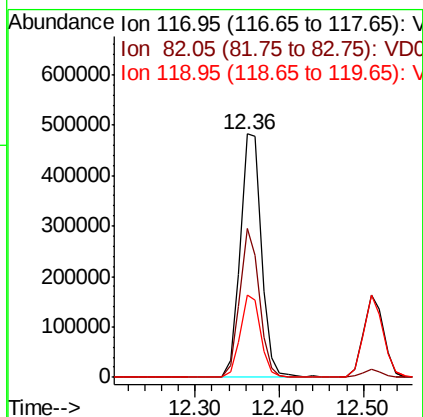
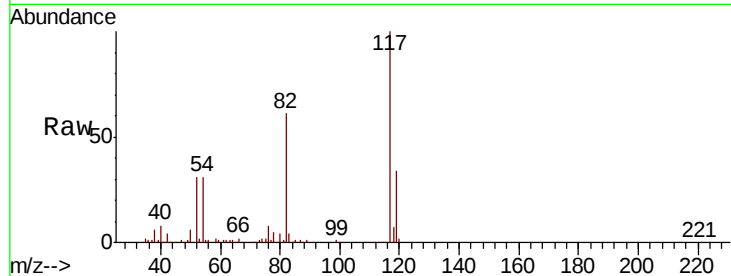




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

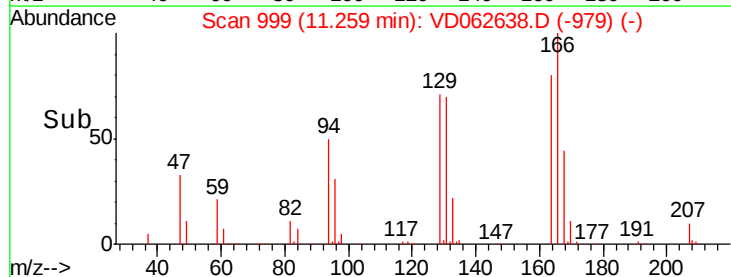
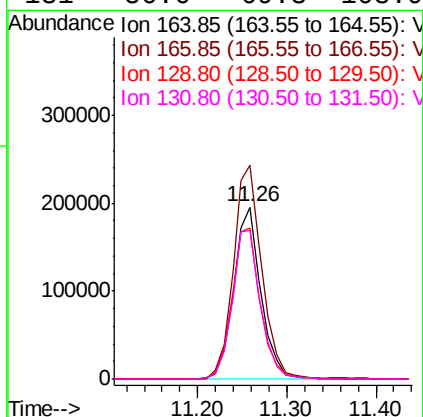
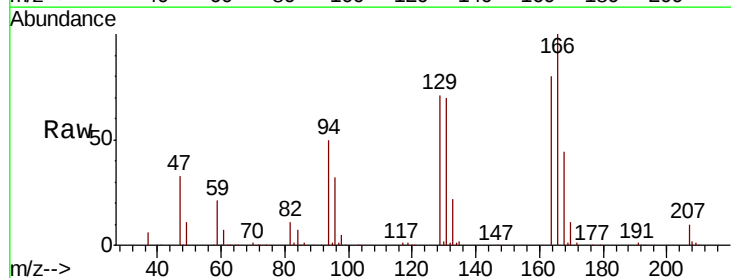
Instrument :
MSVOA_D
ClientSampleId :

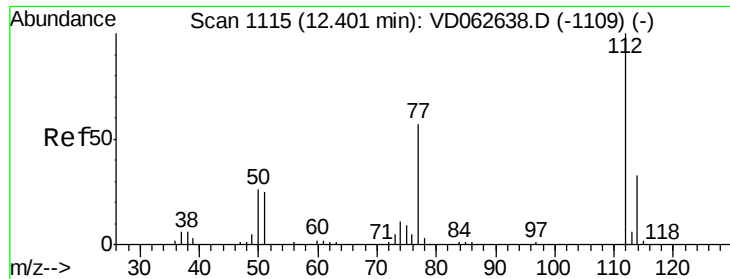
Tot Ion:117 Resp: 847855
Ion Ratio Lower Upper
117 100
82 60.9 48.7 73.1
119 33.8 27.0 40.6



#64
Tetrachloroethene
Concen: 51.473 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:164 Resp: 414337
Ion Ratio Lower Upper
164 100
166 124.3 99.4 149.2
129 87.8 70.2 105.4
131 86.6 69.3 103.9





#65

Chlorobenzene

Concen: 50.585 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

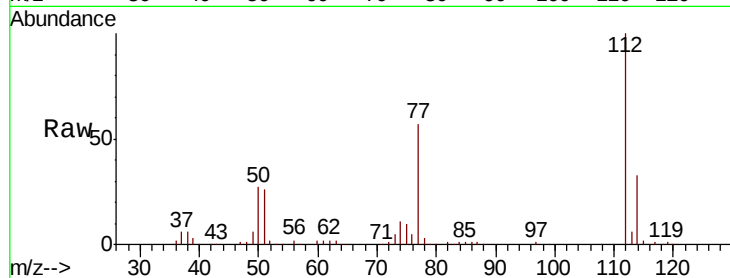
ClientSampleId :

Tot Ion:112 Resp: 960786

Ion Ratio Lower Upper

112 100

114 32.9 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.40

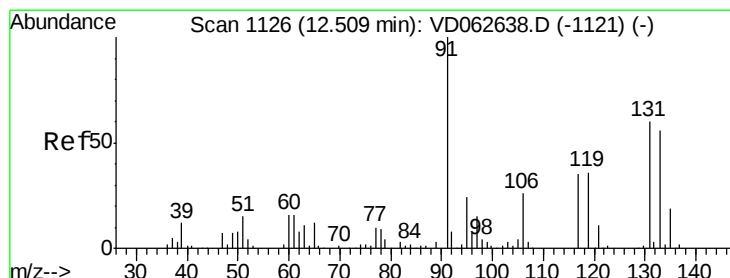
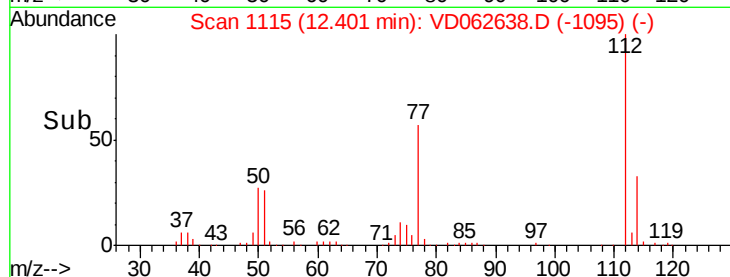
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.405 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

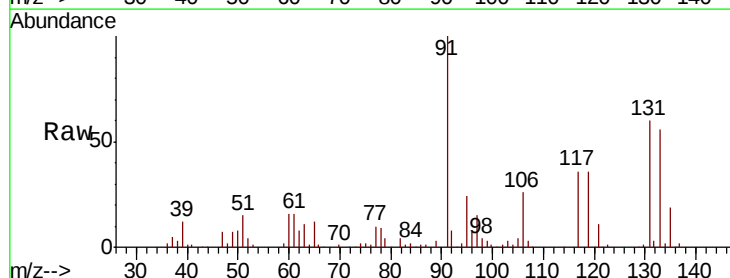
Tgt Ion:131 Resp: 458753

Ion Ratio Lower Upper

131 100

133 93.5 46.8 140.3

119 59.9 29.9 89.8



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.51

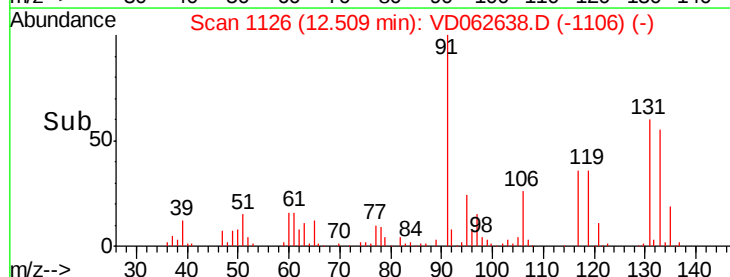
300000

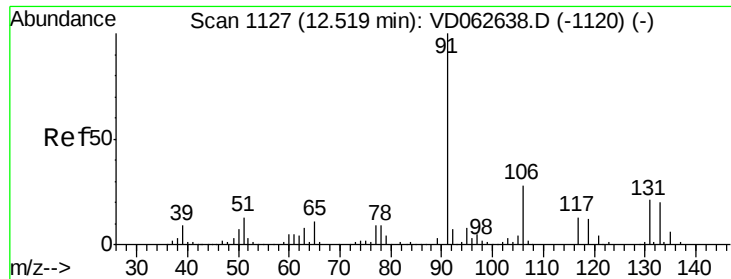
200000

100000

0

Time-->

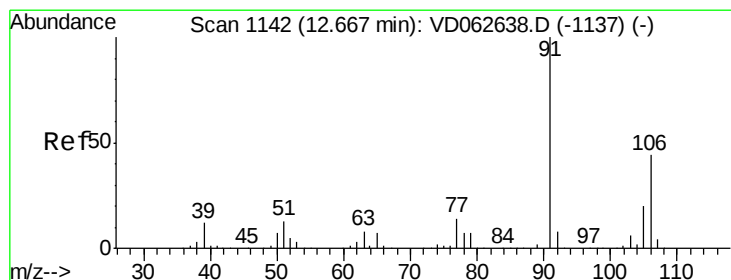
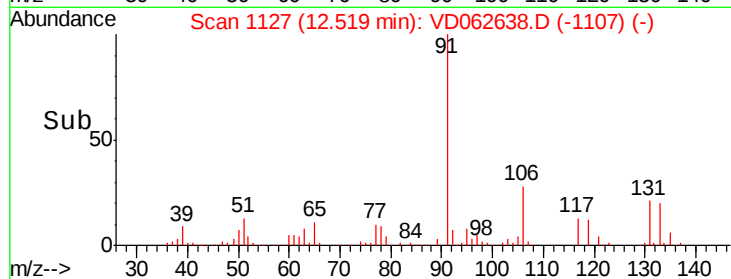
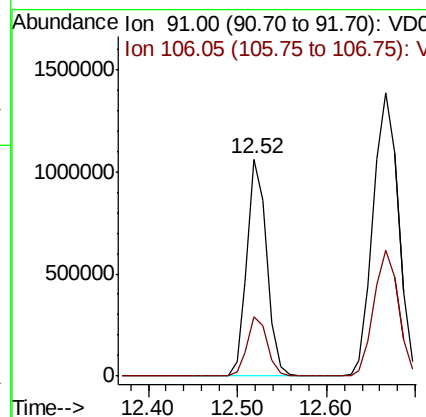
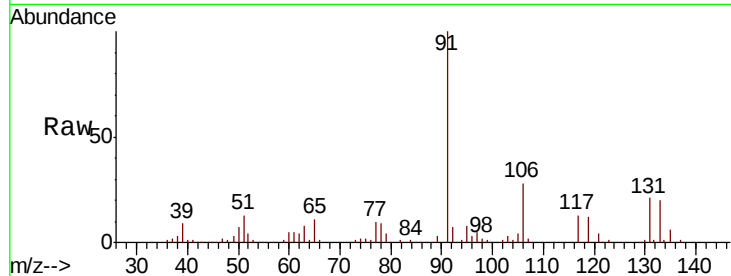




#67
Ethyl Benzene
Concen: 48.854 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

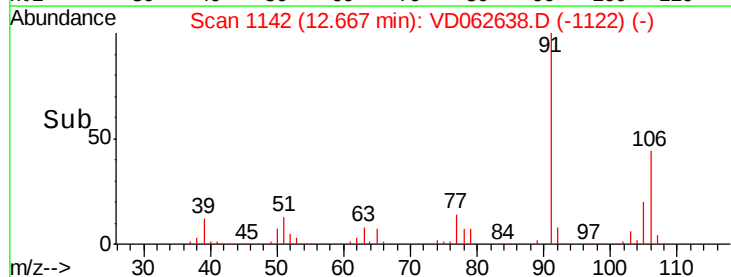
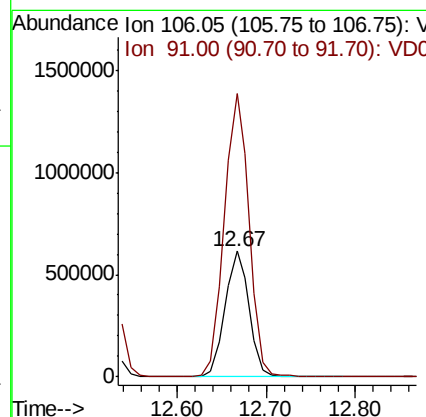
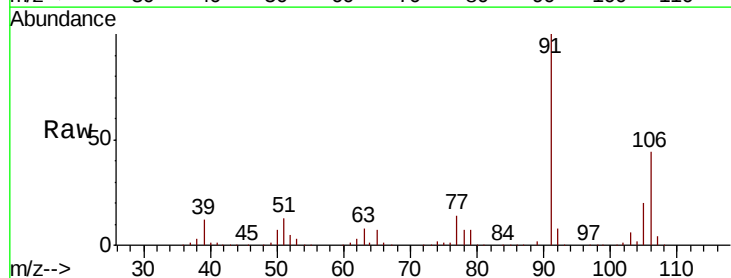
Instrument :
MSVOA_D
ClientSampled :

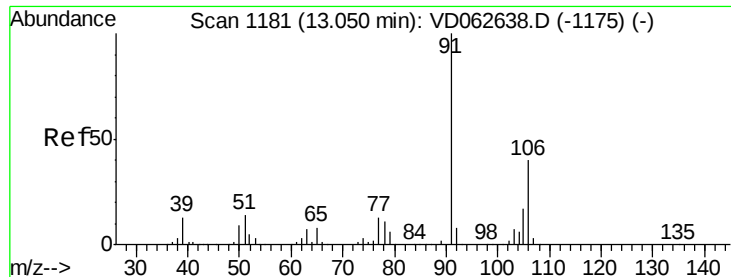
Tot Ion: 91 Resp: 1649720
Ion Ratio Lower Upper
91 100
106 27.6 22.1 33.1



#68
m/p-Xylenes
Concen: 98.667 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 106 Resp: 1169002
Ion Ratio Lower Upper
106 100
91 225.3 180.2 270.4

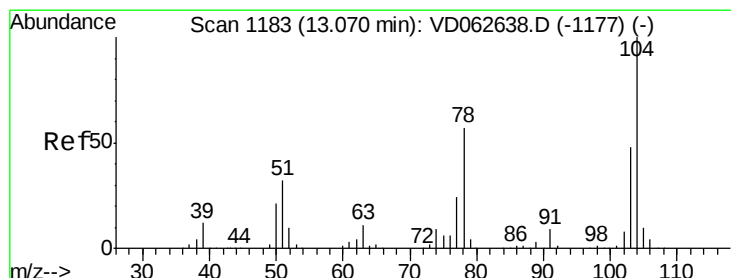
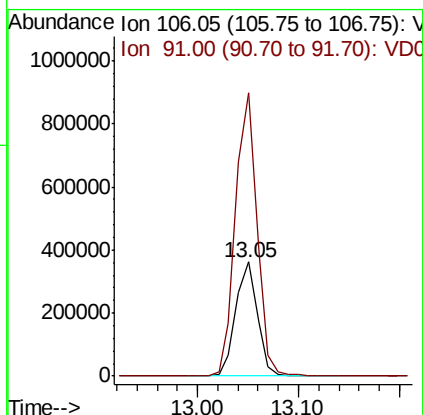
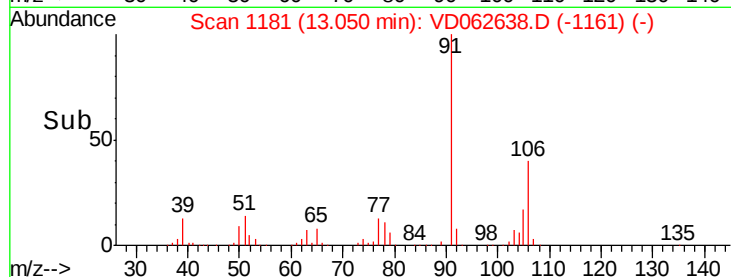
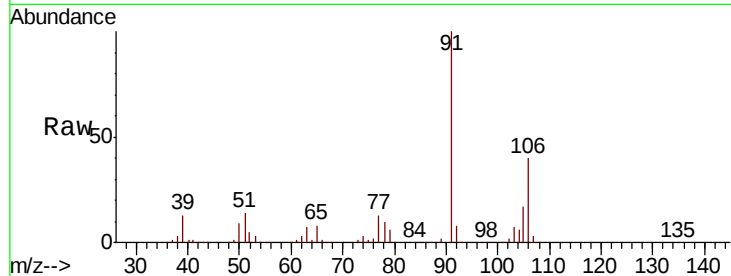




#69
o-Xylene
Concen: 48.464 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

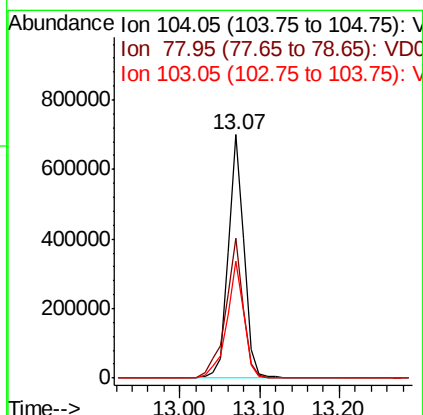
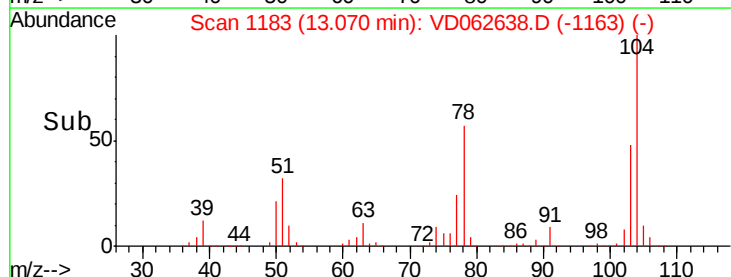
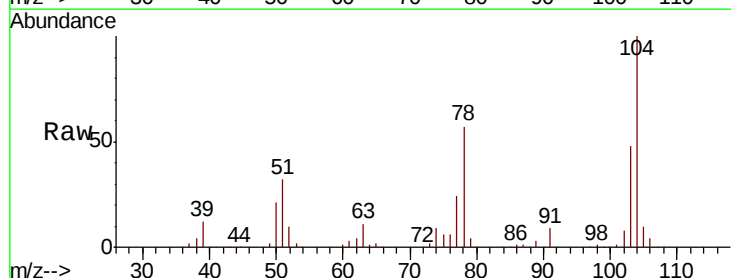
Instrument :
MSVOA_D
ClientSampled :

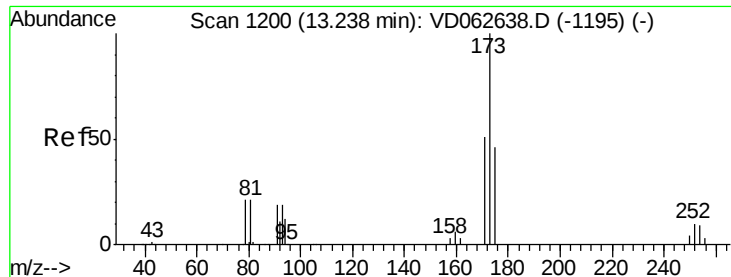
Tot Ion:106 Resp: 538962
Ion Ratio Lower Upper
106 100
91 248.1 124.1 372.1



#70
Styrene
Concen: 49.110 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:104 Resp: 973841
Ion Ratio Lower Upper
104 100
78 57.4 45.9 68.9
103 48.0 38.4 57.6

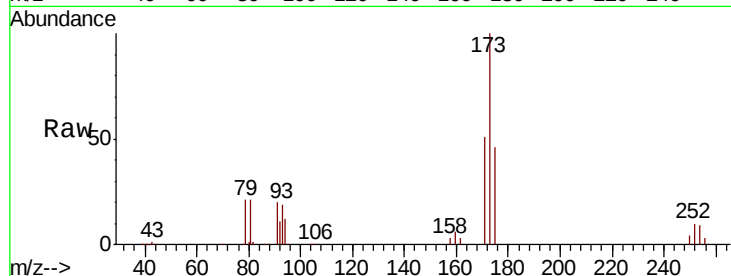




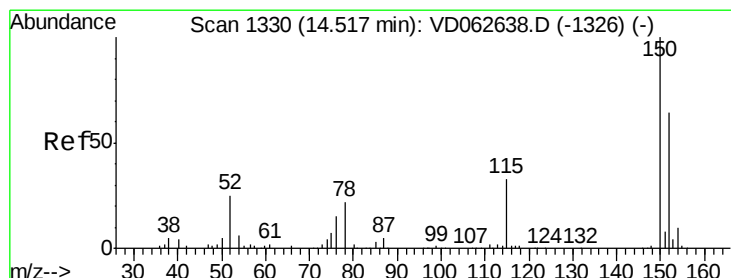
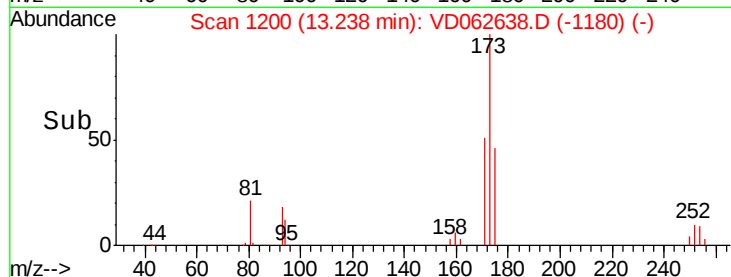
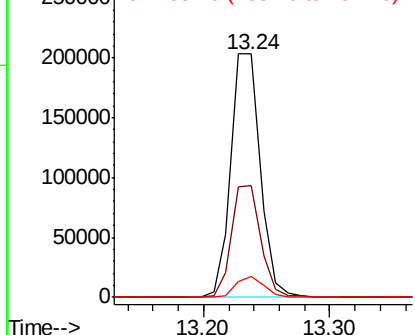
#71
Bromoform
Concen: 51.669 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:173 Resp: 326870
Ion Ratio Lower Upper
173 100
175 45.8 22.9 68.7
254 8.7 7.0 10.4

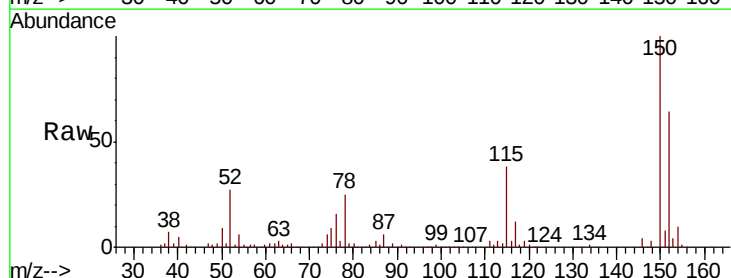


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

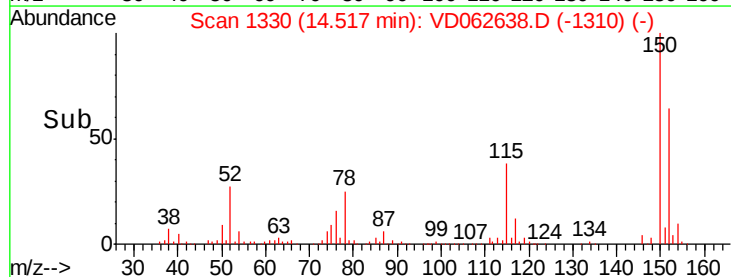
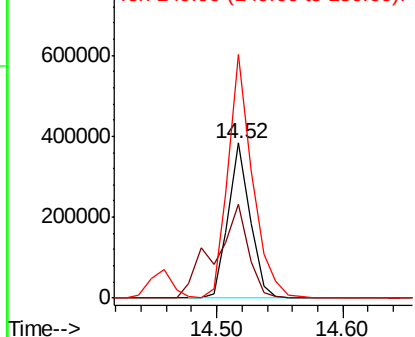


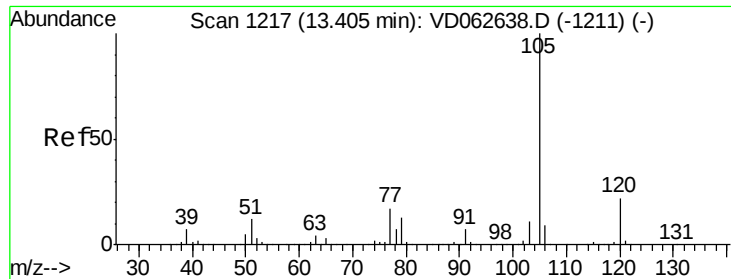
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:152 Resp: 461601
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 157.0 0.0 314.0



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

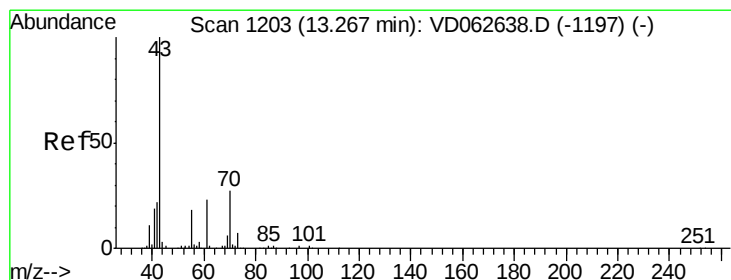
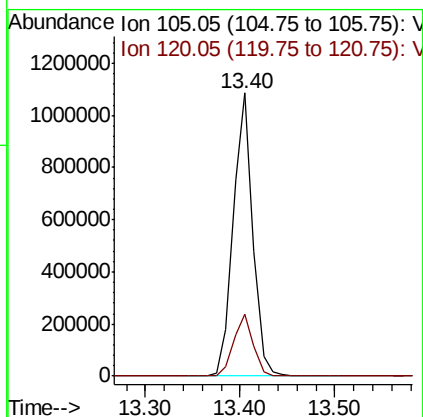
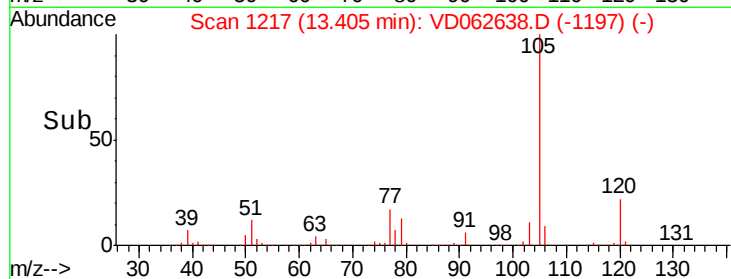
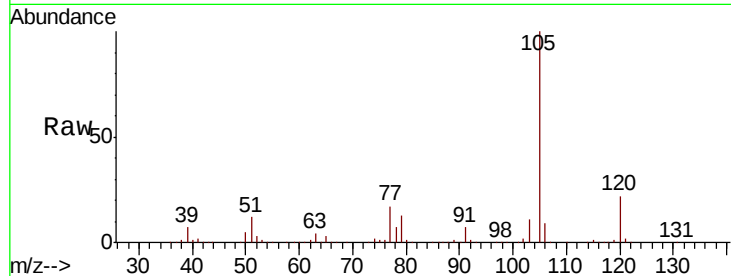




#73
Isopropylbenzene
Concen: 45.909 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

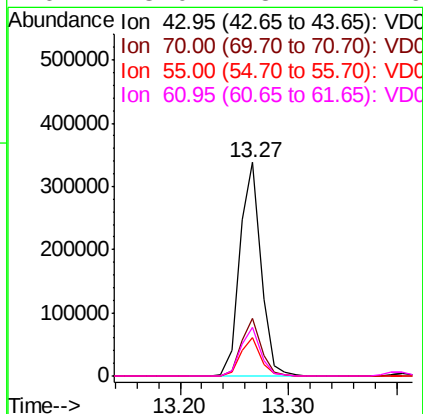
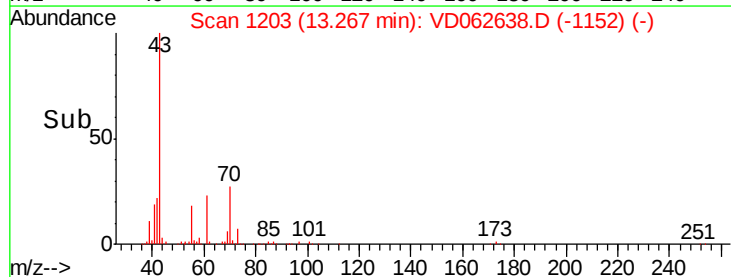
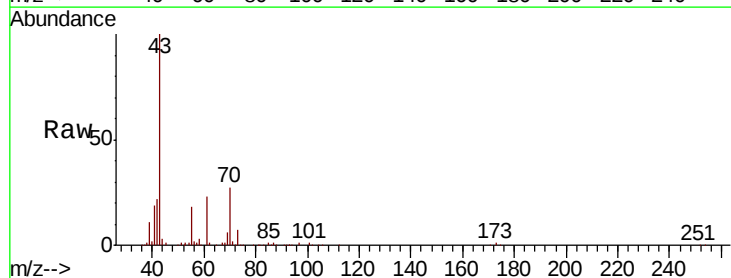
Instrument :
MSVOA_D
ClientSampleId :

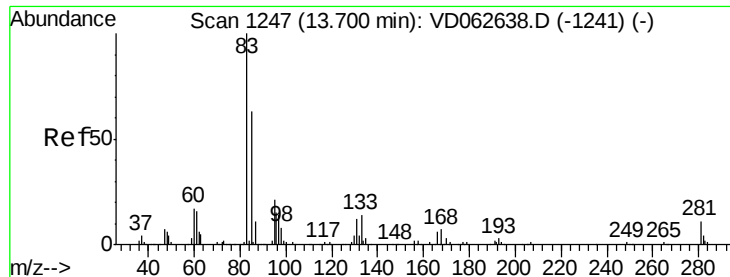
Tot Ion:105 Resp: 1543068
Ion Ratio Lower Upper
105 100
120 21.8 10.9 32.7



#74
N-ethyl acetate
Concen: 50.591 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 43 Resp: 457845
Ion Ratio Lower Upper
43 100
70 27.3 21.8 32.8
55 18.2 14.6 21.8
61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.365 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

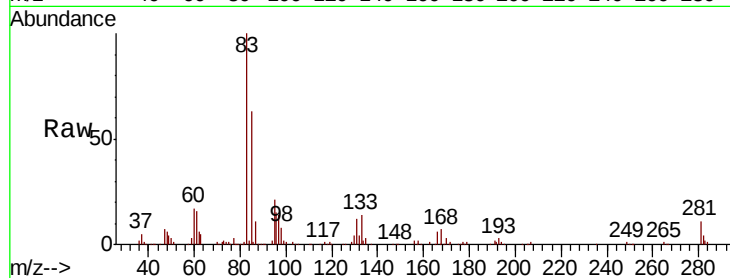
Tot Ion: 83 Resp: 297783

Ion Ratio Lower Upper

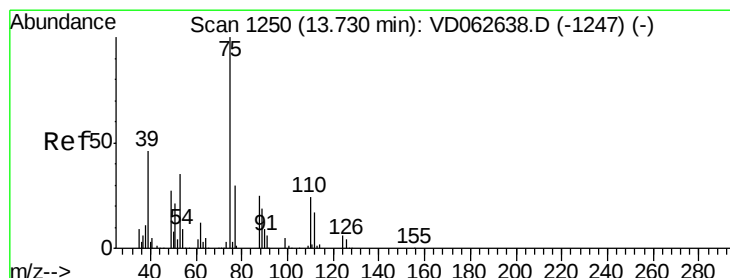
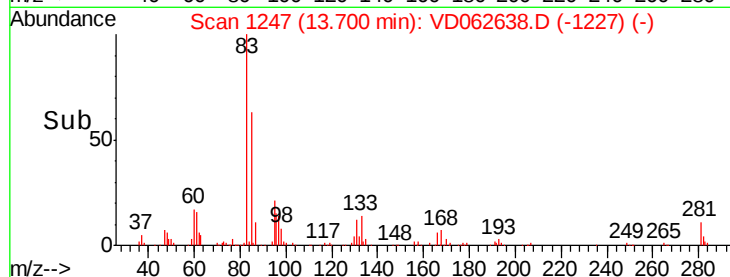
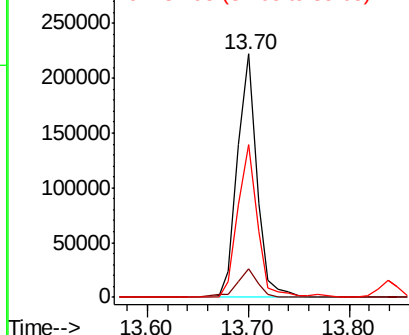
83 100

131 11.8 5.9 17.7

85 62.6 31.3 93.9



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: 49.658 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062638.D

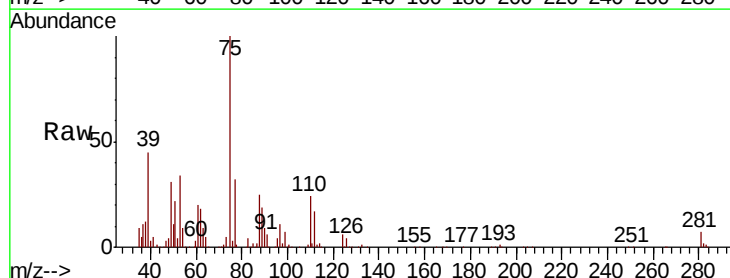
Acq: 7 Jun 2019 12:14

Tgt Ion: 75 Resp: 316243

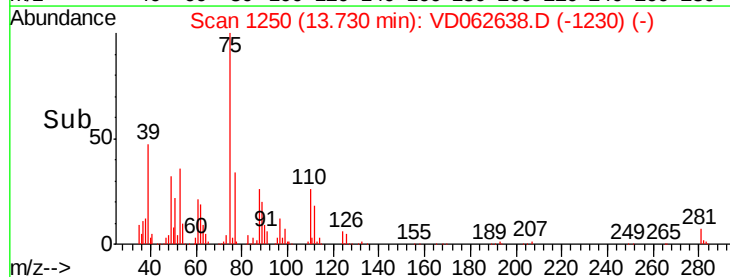
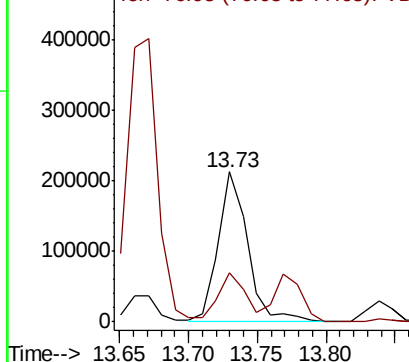
Ion Ratio Lower Upper

75 100

77 32.4 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.340 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

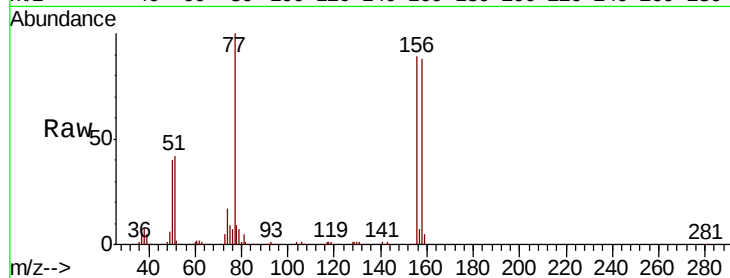
Tot Ion:156 Resp: 485507

Ion Ratio Lower Upper

156 100

77 112.5 56.3 168.8

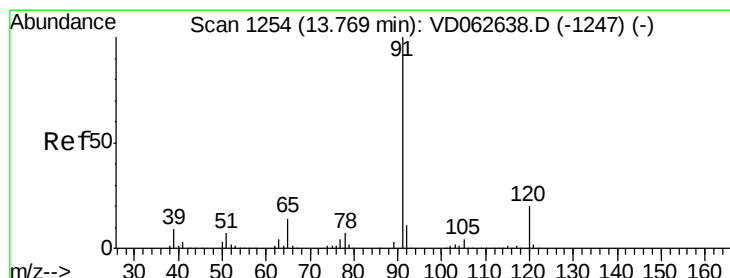
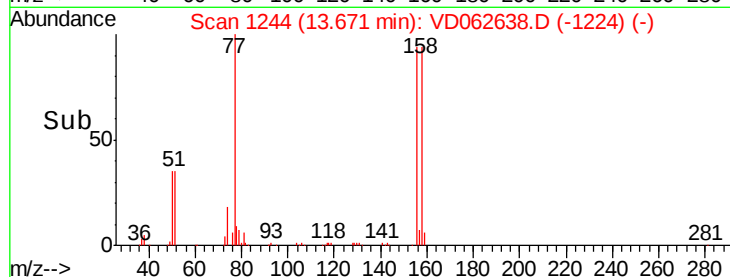
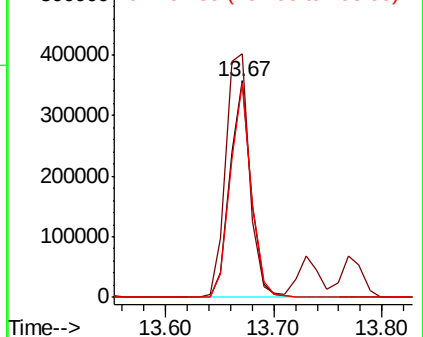
158 99.2 49.6 148.8



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: 51.657 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062638.D

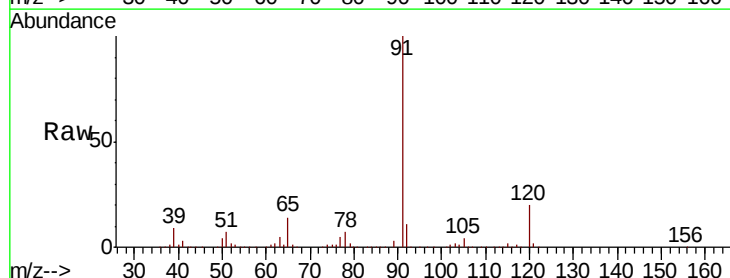
Acq: 7 Jun 2019 12:14

Tgt Ion: 91 Resp: 2101812

Ion Ratio Lower Upper

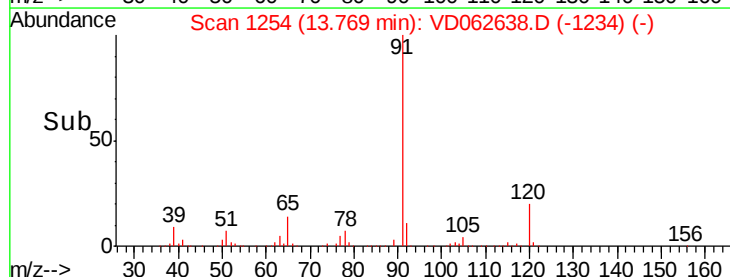
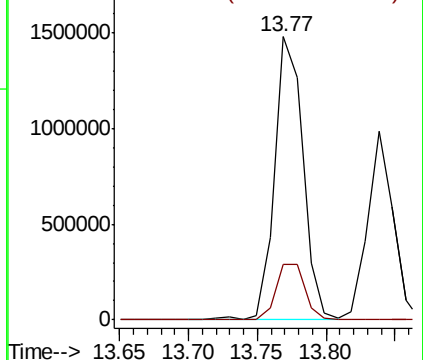
91 100

120 19.7 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

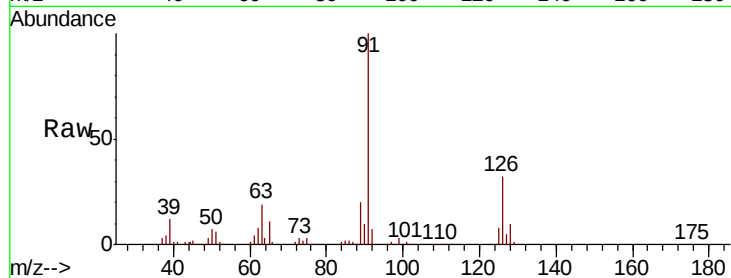




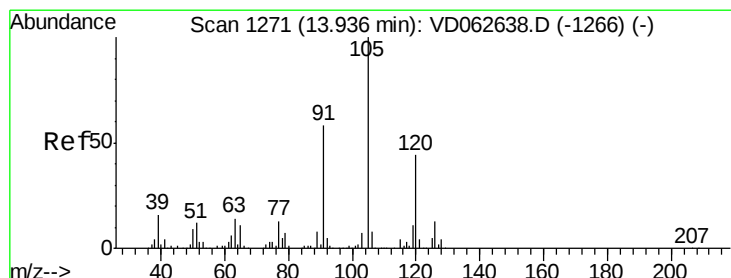
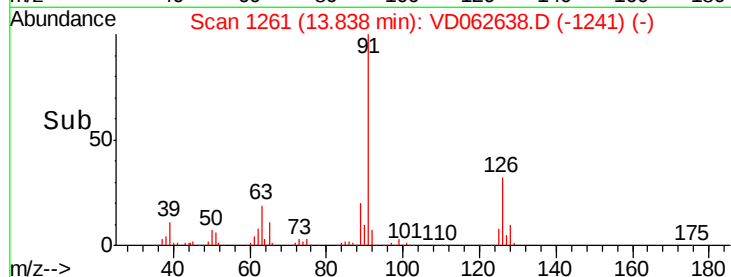
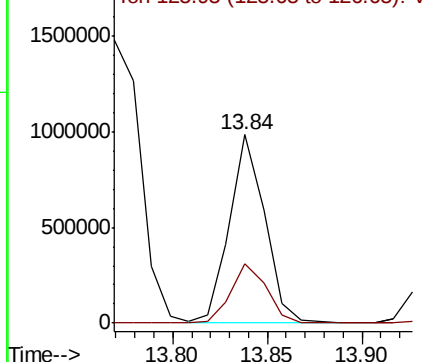
#79
 2-Chlorotoluene
 Concen: 53.504 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 1270053
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.8 47.4

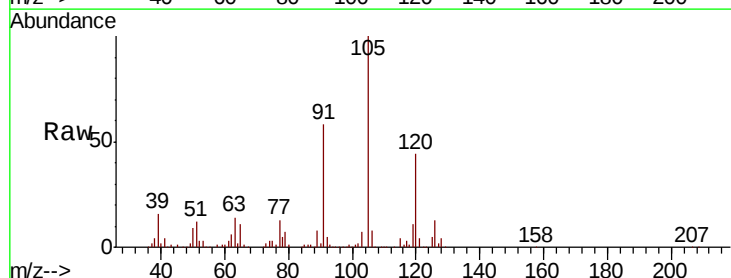


Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)

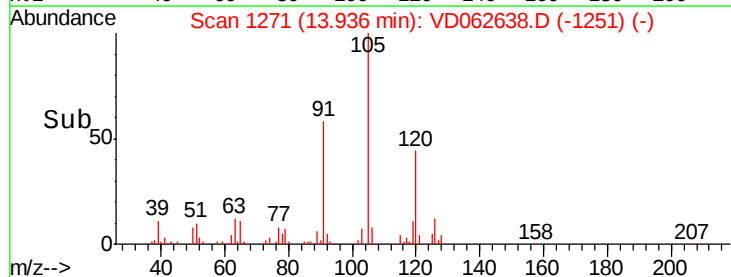
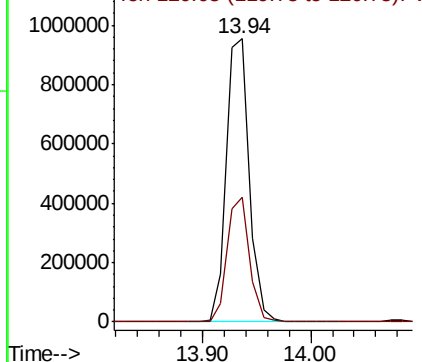


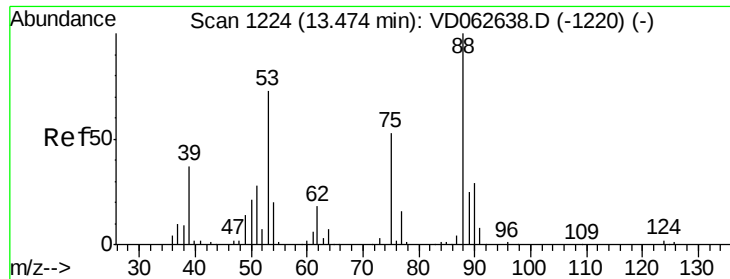
#80
 1,3,5-Trimethylbenzene
 Concen: 47.924 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 105 Resp: 1405864
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)
 Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.271 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

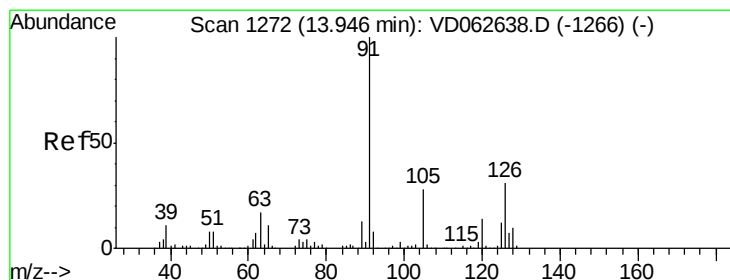
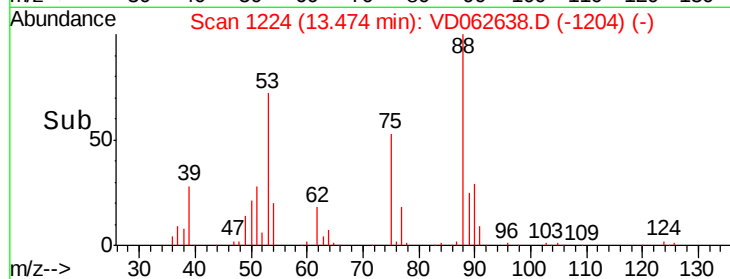
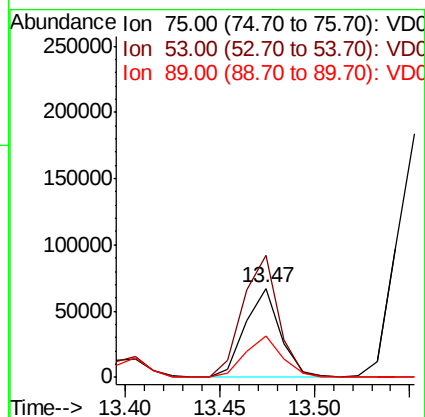
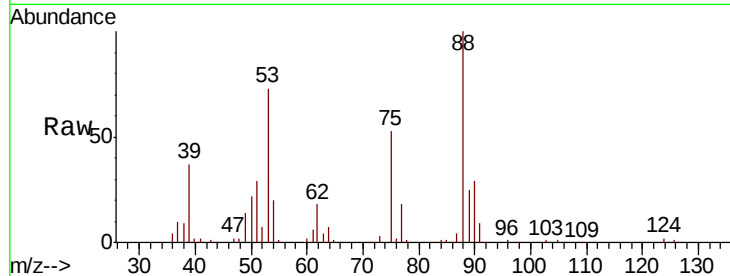
Tot Ion: 75 Resp: 87388

Ion Ratio Lower Upper

75 100

53 136.8 109.4 164.2

89 46.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 47.872 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062638.D

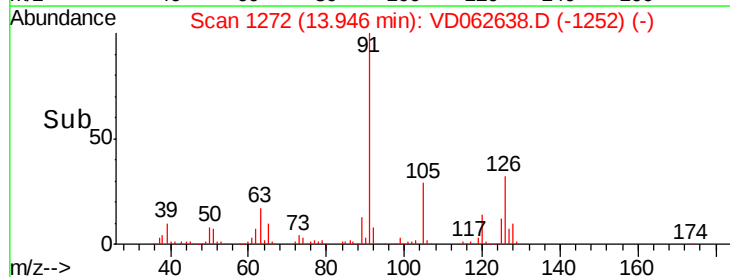
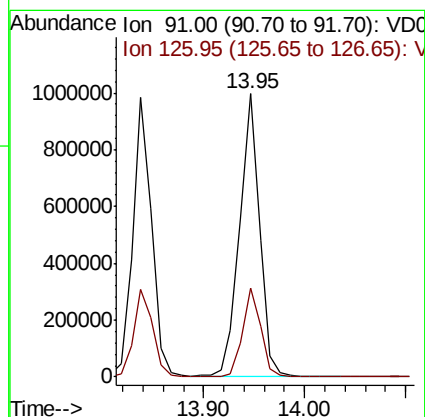
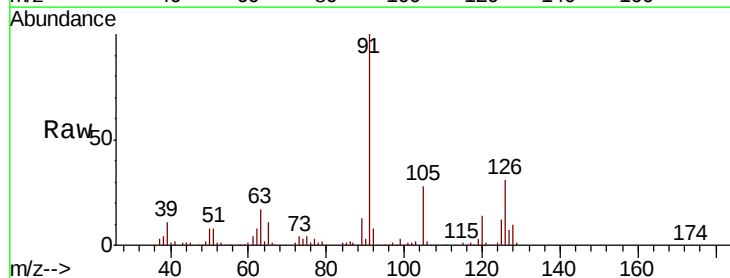
Acq: 7 Jun 2019 12:14

Tgt Ion: 91 Resp: 1367180

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

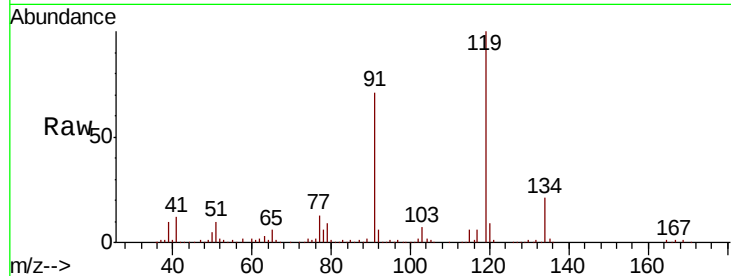




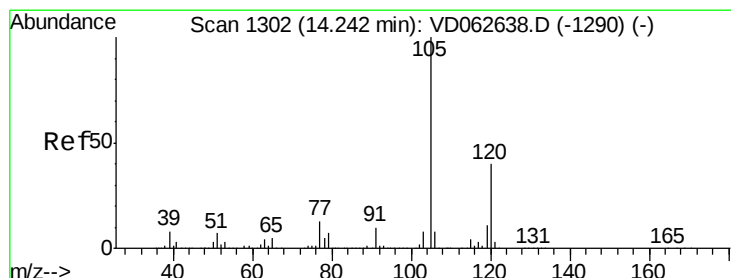
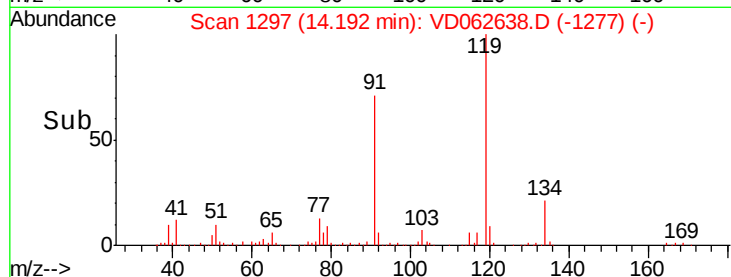
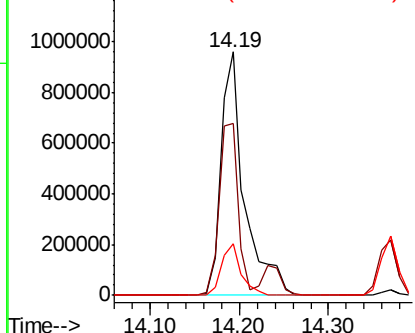
#83
tert-Butylbenzene
Concen: 53.820 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1761478
Ion Ratio Lower Upper
119 100
91 70.7 35.4 106.1
134 21.5 10.8 32.3

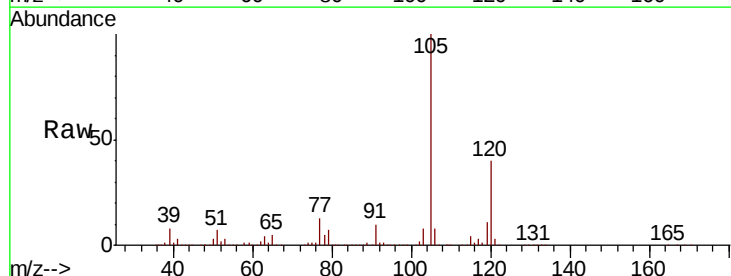


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

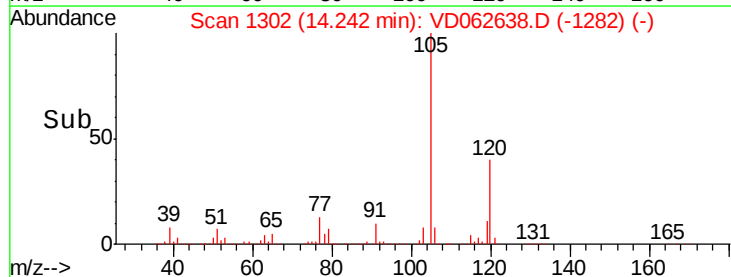
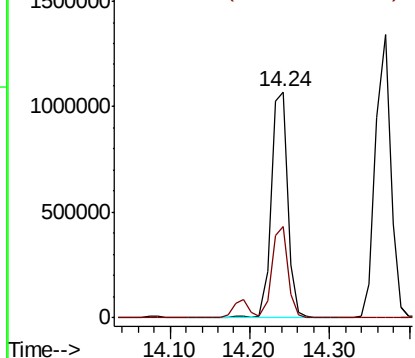


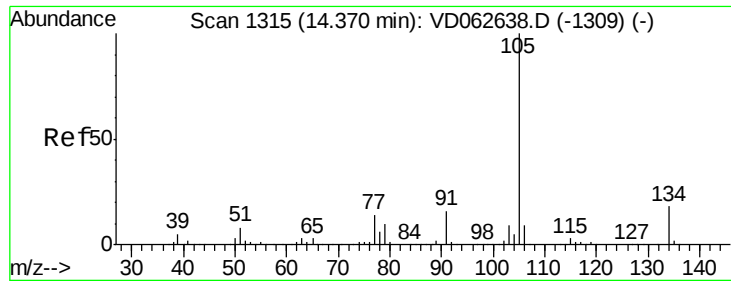
#84
1,2,4-Trimethylbenzene
Concen: 52.768 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:105 Resp: 1555138
Ion Ratio Lower Upper
105 100
120 40.5 20.3 60.8



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





#85

sec-Butylbenzene

Concen: 51.401 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

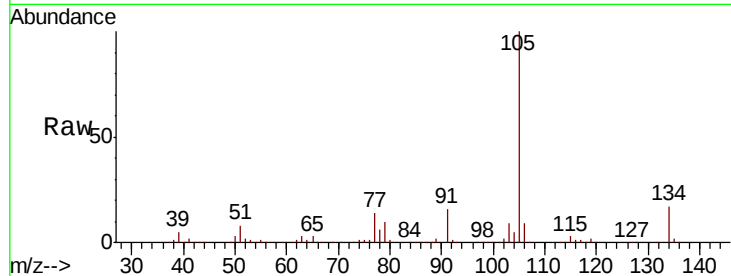
ClientSampled :

Tot Ion:105 Resp: 1749458

Ion Ratio Lower Upper

105 100

134 17.5 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

1500000

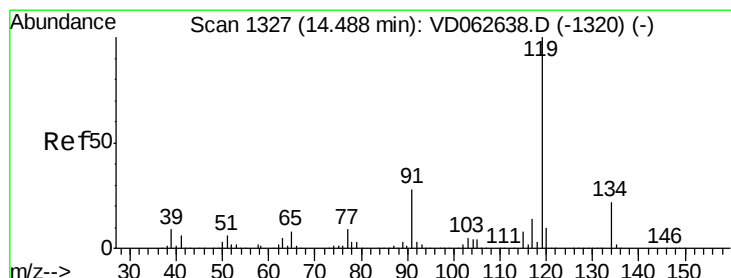
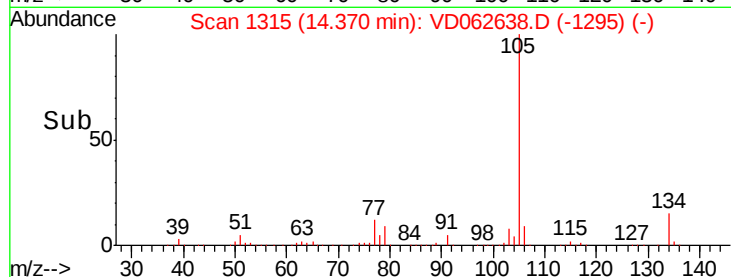
1000000

500000

0

Time-->

14.30 14.40



#86

p-Isopropyltoluene

Concen: 53.505 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

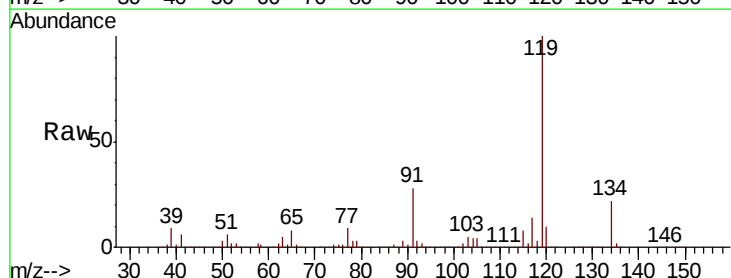
Tgt Ion:119 Resp: 1766716

Ion Ratio Lower Upper

119 100

134 21.7 10.9 32.6

91 27.7 13.9 41.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

2000000

1500000

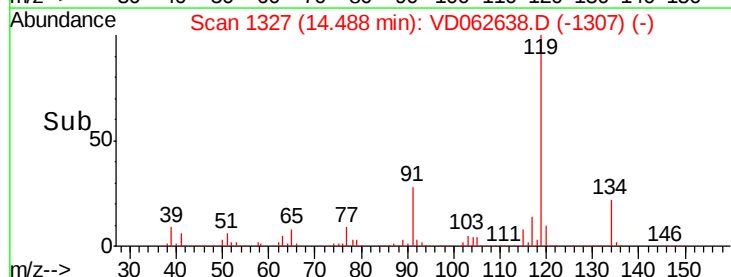
1000000

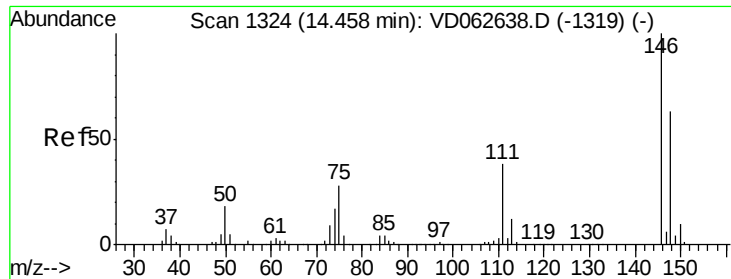
500000

0

Time-->

14.40 14.50 14.60

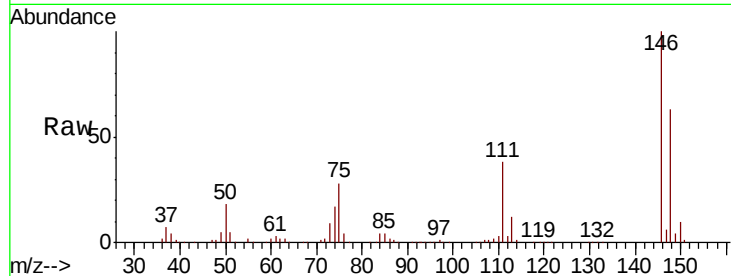




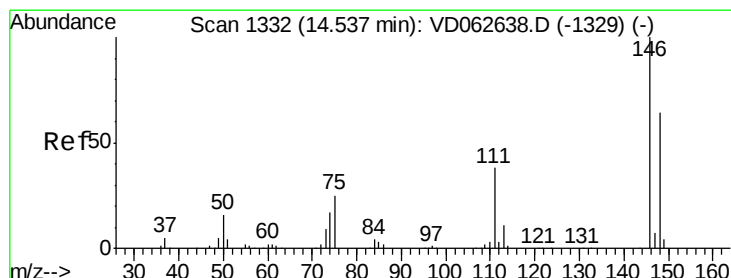
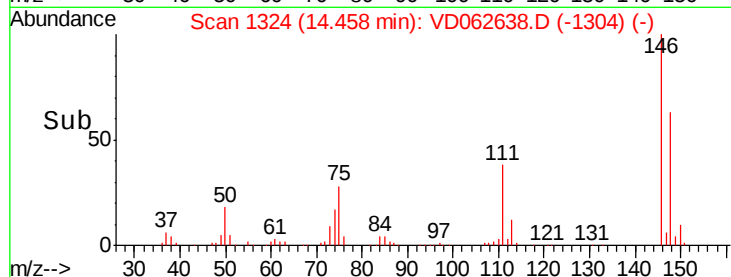
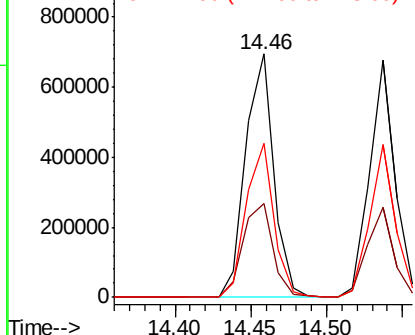
#87
 1,3-Dichlorobenzene
 Concen: 51.563 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.3	31.6	95.0

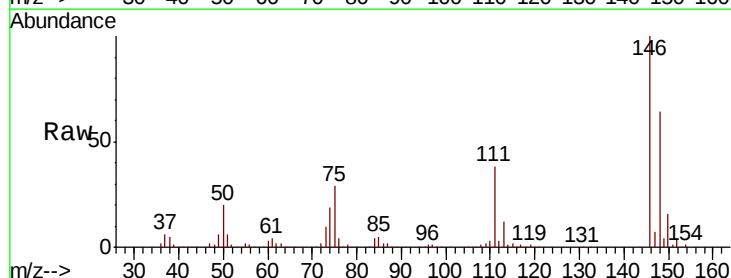


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

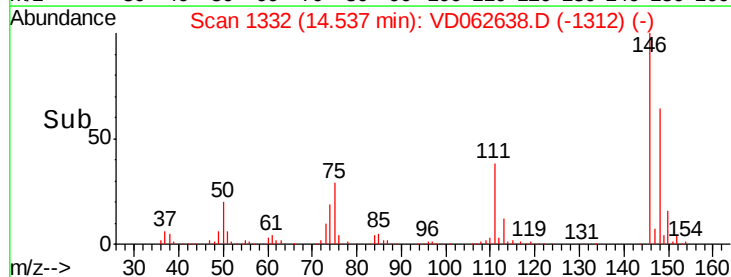
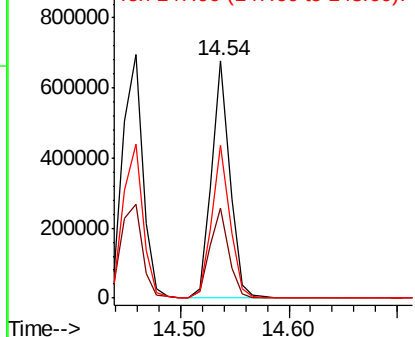


#88
 1,4-Dichlorobenzene
 Concen: 48.683 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.5	32.3	96.8



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





#89

n-Butylbenzene

Concen: 52.547 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

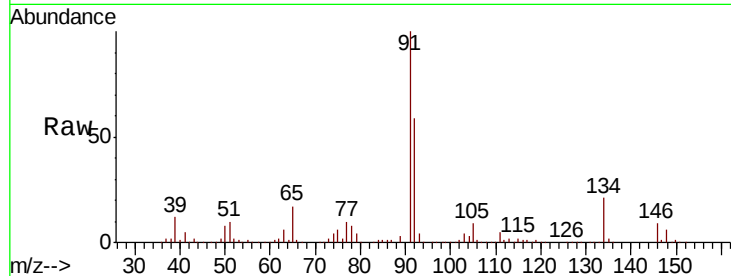
Tot Ion: 91 Resp: 1580908

Ion Ratio Lower Upper

91 100

92 58.9 29.4 88.3

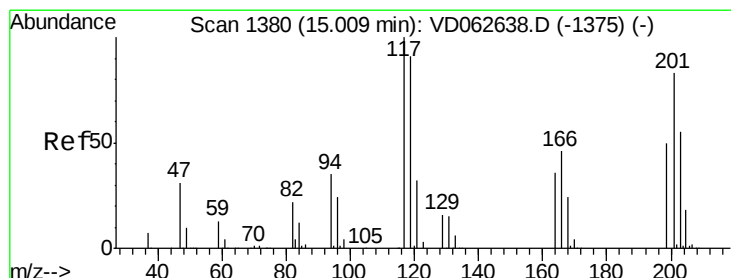
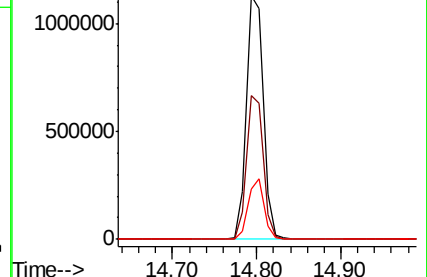
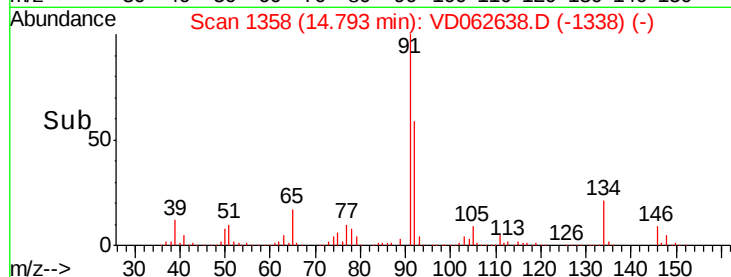
134 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 50.778 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062638.D

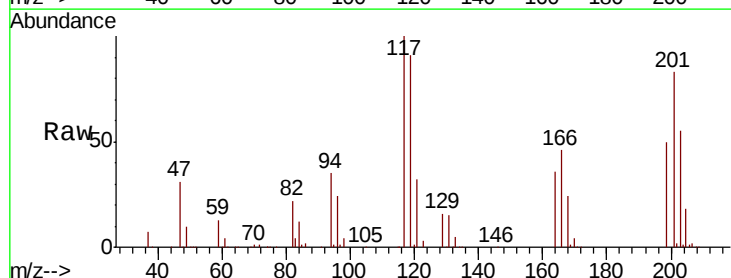
Acq: 7 Jun 2019 12:14

Tgt Ion: 117 Resp: 441648

Ion Ratio Lower Upper

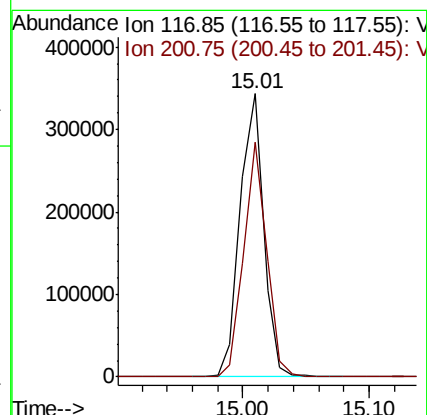
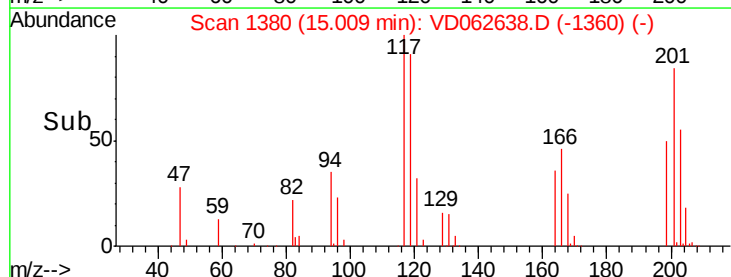
117 100

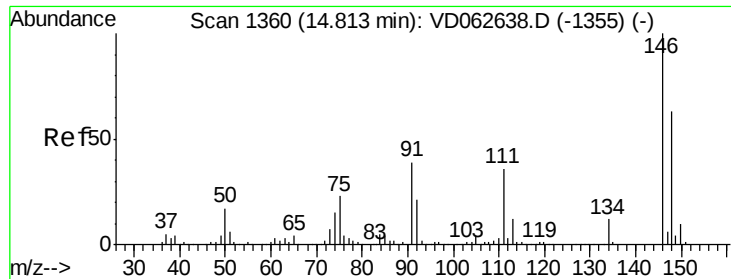
201 83.1 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 53.463 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

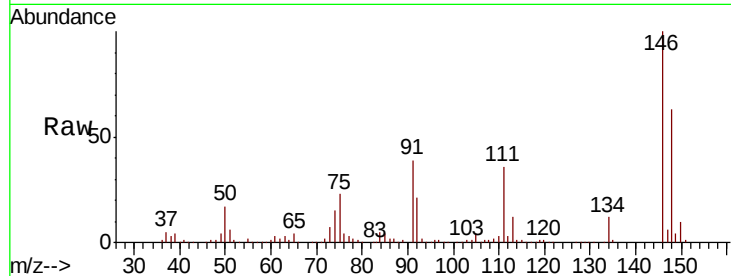
Tot Ion:146 Resp: 768599

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.3

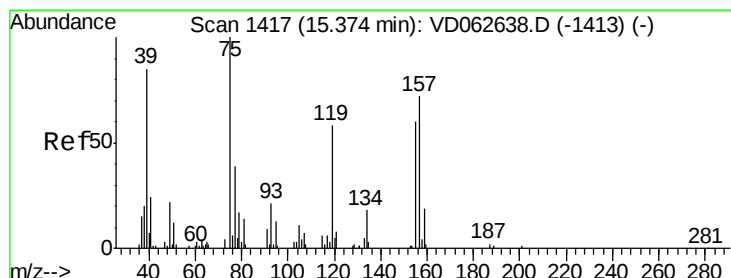
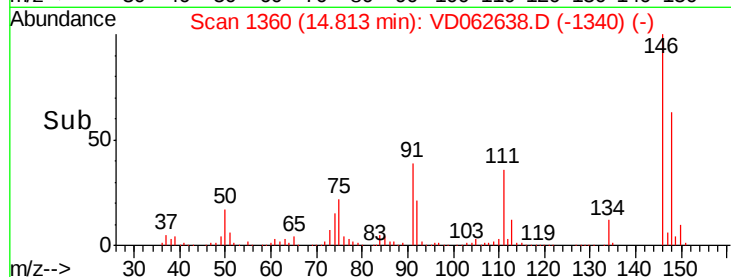
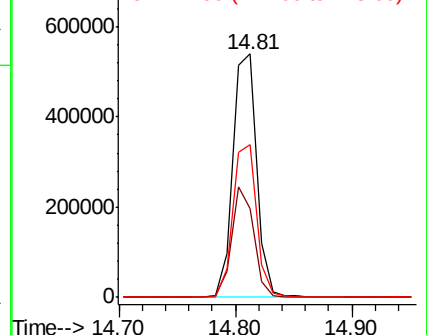
148 62.7 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.033 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

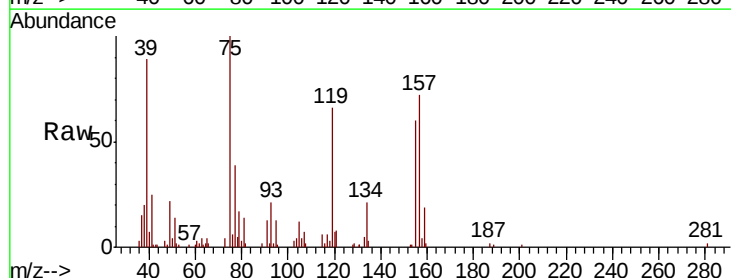
Tgt Ion: 75 Resp: 61575

Ion Ratio Lower Upper

75 100

155 60.3 30.1 90.5

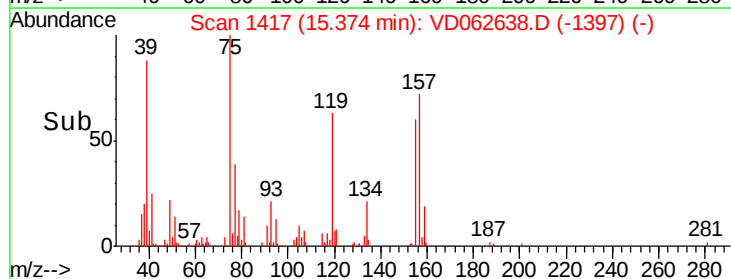
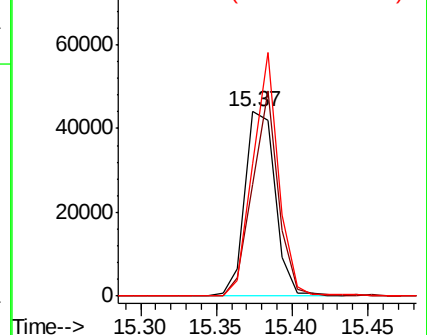
157 71.9 35.9 107.8

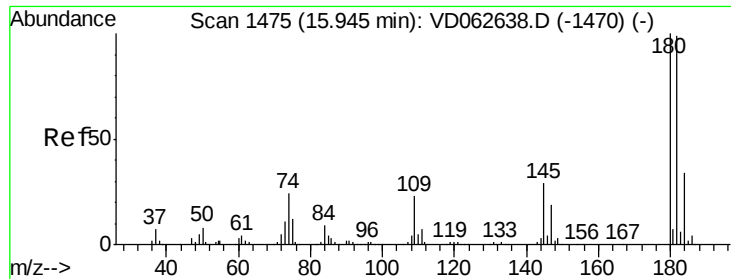


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

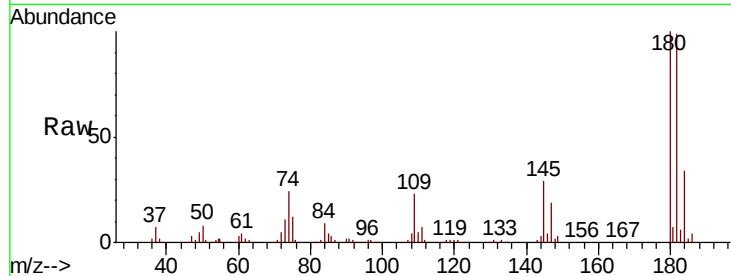




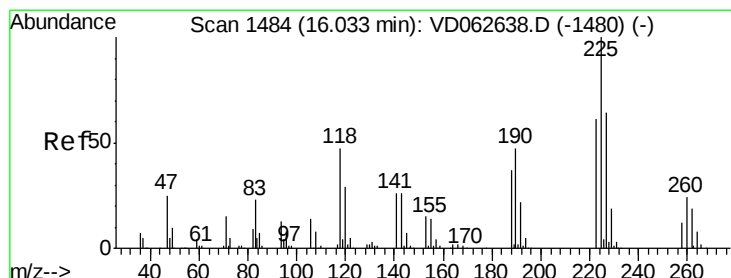
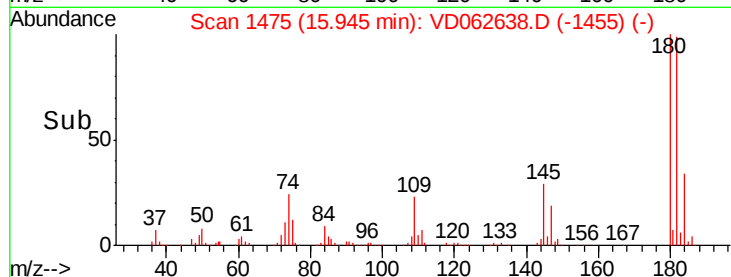
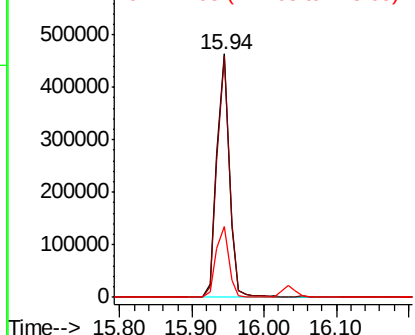
#93
 1,2,4-Trichlorobenzene
 Concen: 50.710 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 553072
 Ion Ratio Lower Upper
 180 100
 182 98.8 49.4 148.2
 145 29.1 14.5 43.6

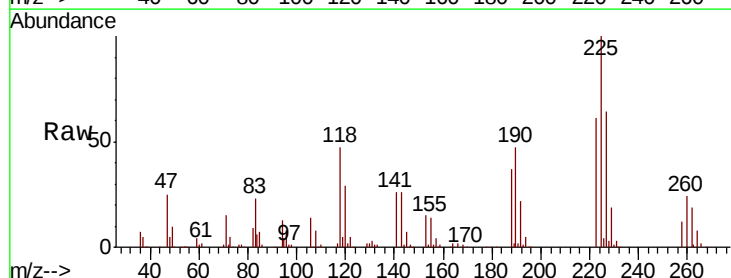


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

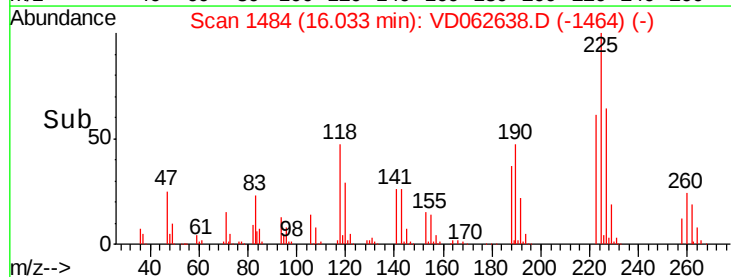
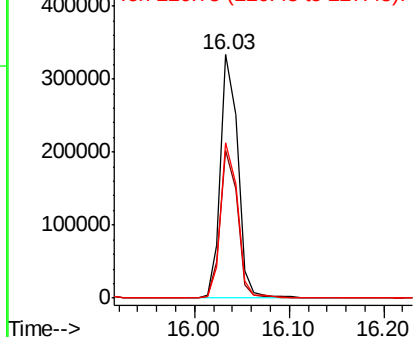


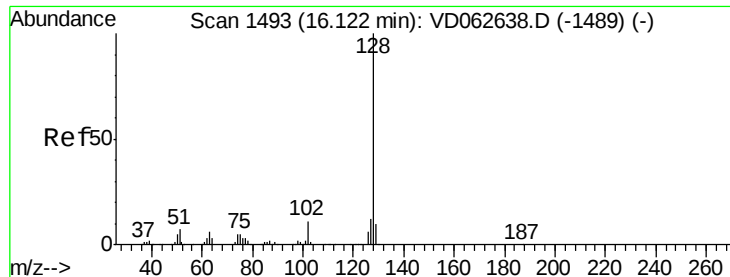
#94
 Hexachlorobutadiene
 Concen: 49.518 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion:225 Resp: 426454
 Ion Ratio Lower Upper
 225 100
 223 60.7 30.3 91.0
 227 63.6 31.8 95.4



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

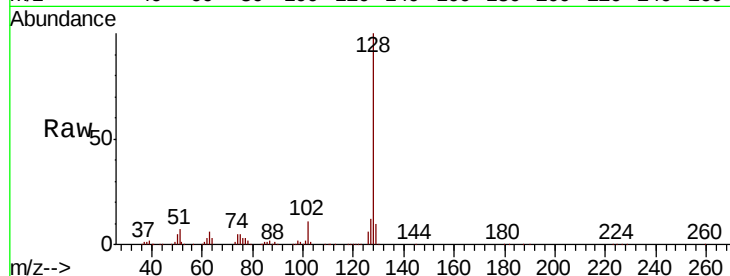




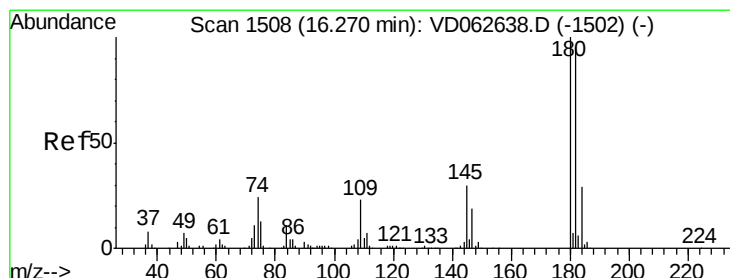
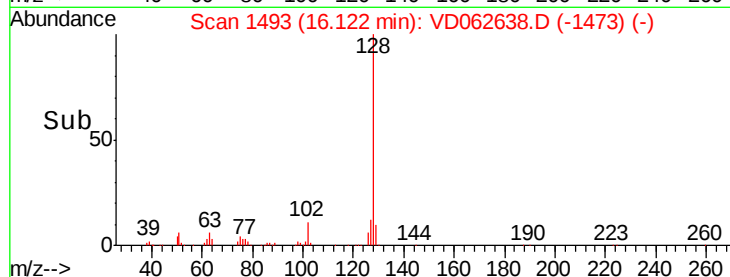
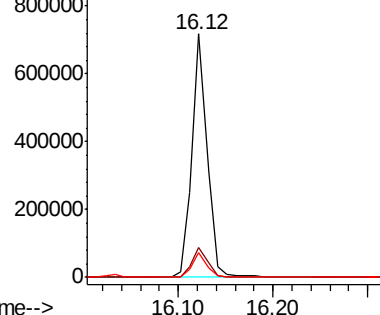
#95
Naphthalene
Concen: 53.026 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 803473
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 10.1 8.1 12.1

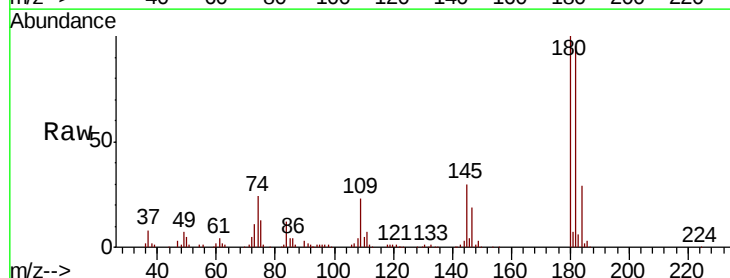


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.981 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:180 Resp: 437789
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 30.0 15.0 45.0



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

