

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062455.D
 Acq On : 20 May 2019 14:50
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: May 20 16:07:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	655308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	873522	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	734211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	391384	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	72436	11.89	ug/l	0.00
Spiked Amount			Recovery	=	23.78%	
35) Dibromofluoromethane	6.94	113	80105	11.05	ug/l	0.00
Spiked Amount			Recovery	=	22.10%	
50) Toluene-d8	10.42	98	168607	9.65	ug/l	0.00
Spiked Amount			Recovery	=	19.30%	
62) 4-Bromofluorobenzene	13.56	95	77827	11.09	ug/l	0.00
Spiked Amount			Recovery	=	22.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	78891	12.587	ug/l	95
3) Chloromethane	1.74	50	44561	9.840	ug/l	89
4) Vinyl Chloride	1.85	62	47432	10.657	ug/l	98
5) Bromomethane	2.15	94	23899	22.916	ug/l #	80
6) Chloroethane	2.26	64	20585	11.022	ug/l #	86
7) Trichlorofluoromethane	2.53	101	113846	13.157	ug/l	91
8) Diethyl Ether	2.87	74	15173	9.092	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.15	101	63908	9.764	ug/l	93
10) Methyl Iodide	3.31	142	79092	7.995	ug/l #	82
11) Tert butyl alcohol	4.08	59	14243	45.819	ug/l	96
12) 1,1-Dichloroethene	3.13	96	46381	9.282	ug/l #	74
13) Acrolein	3.03	56	13938	43.351	ug/l	86
14) Allyl chloride	3.62	41	70705	9.732	ug/l #	69
15) Acrylonitrile	4.20	53	33560	41.074	ug/l #	91
16) Acetone	3.23	43	56654	44.361	ug/l #	84
17) Carbon Disulfide	3.38	76	140313	9.762	ug/l	96
18) Methyl Acetate	3.65	43	19545	7.803	ug/l #	86
19) Methyl tert-butyl Ether	4.24	73	105315	9.833	ug/l #	91
20) Methylene Chloride	3.82	84	74103	13.897	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	54808	9.857	ug/l	89
22) Diisopropyl ether	5.13	45	142647	9.227	ug/l	93
23) Vinyl Acetate	5.06	43	413009	50.634	ug/l	97
24) 1,1-Dichloroethane	4.99	63	87828	9.417	ug/l	97
25) 2-Butanone	6.08	43	57746	41.454	ug/l	98
26) 2,2-Dichloropropane	6.03	77	98687	10.623	ug/l	92
27) cis-1,2-Dichloroethene	6.05	96	54561	8.767	ug/l	89
28) Bromochloromethane	6.45	49	36629	9.983	ug/l	92
29) Tetrahydrofuran	6.48	42	28069	43.732	ug/l	96
30) Chloroform	6.67	83	114264	10.166	ug/l	98
31) Cyclohexane	6.96	56	66113	10.347	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	116717	10.986	ug/l	95
36) 1,1-Dichloropropene	7.15	75	83769	11.696	ug/l	94
37) Ethyl Acetate	6.19	43	30709	10.111	ug/l	94
38) Carbon Tetrachloride	7.12	117	117135	11.816	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	62703	9.138	ug/l	92
40) Benzene	7.47	78	154823	9.573	ug/l	96
41) Methacrylonitrile	6.46	41	38186	10.288	ug/l #	78
42) 1,2-Dichloroethane	7.59	62	81384	11.877	ug/l	91
43) Isopropyl Acetate	9.25	43	39783	9.236	ug/l	89
44) Trichloroethene	8.55	130	60412	9.803	ug/l	81
45) 1,2-Dichloropropane	8.95	63	38251	9.562	ug/l	99
46) Dibromomethane	9.07	93	35119	10.796	ug/l #	86
47) Bromodichloromethane	9.39	83	84414	10.609	ug/l	96
48) Methyl methacrylate	9.13	41	27050	10.195	ug/l	89
49) 1,4-Dioxane	9.10	88	4590	160.333	ug/l #	62
51) 4-Methyl-2-Pentanone	10.31	43	129225	46.669	ug/l	93
52) Toluene	10.52	92	107789	10.244	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	64542	9.385	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	77622	10.346	ug/l #	80
55) 1,1,2-Trichloroethane	11.20	97	35692	9.586	ug/l	95
56) Ethyl methacrylate	11.05	69	38214	9.877	ug/l #	74
57) 1,3-Dichloropropane	11.42	76	53167	9.452	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	111634	52.824	ug/l	97
59) 2-Hexanone	11.54	43	93154	45.645	ug/l	89
60) Dibromochloromethane	11.69	129	65034	10.107	ug/l	93
61) 1,2-Dibromoethane	11.82	107	44310	9.789	ug/l	99
64) Tetrachloroethene	11.27	164	58289	10.153	ug/l	93
65) Chlorobenzene	12.41	112	135509	9.909	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	63802	10.720	ug/l	92
67) Ethyl Benzene	12.53	91	250687	10.950	ug/l	97
68) m/p-Xylenes	12.67	106	176440	21.183	ug/l	91
69) o-Xylene	13.06	106	77570	10.017	ug/l	82
70) Styrene	13.08	104	138317	10.544	ug/l	94
71) Bromoform	13.25	173	39733	9.596	ug/l #	94
73) Isopropylbenzene	13.41	105	240614	10.256	ug/l	97
74) N-amyl acetate	13.28	43	55698	9.055	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	41860	9.425	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	44334	9.532	ug/l	99
77) Bromobenzene	13.68	156	65236	9.933	ug/l	94
78) n-propylbenzene	13.78	91	276957	9.896	ug/l	91
79) 2-Chlorotoluene	13.85	91	183005	11.418	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	198358	10.040	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	12134	9.241	ug/l #	67
82) 4-Chlorotoluene	13.95	91	198683	10.534	ug/l	86
83) tert-Butylbenzene	14.20	119	236862	10.667	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	212291	10.708	ug/l	84
85) sec-Butylbenzene	14.38	105	247561	10.168	ug/l	99
86) p-Isopropyltoluene	14.50	119	216522	9.954	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	117582	9.801	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	111077	9.423	ug/l	96
89) n-Butylbenzene	14.80	91	216470	11.087	ug/l	90
90) Hexachloroethane	15.02	117	58614	9.909	ug/l	71
91) 1,2-Dichlorobenzene	14.82	146	102416	10.365	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.39	75	7621	10.453	ug/l	95

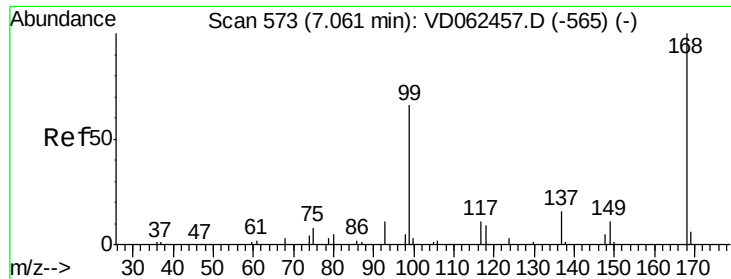
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052019\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	74810	10.402	ug/l	89
94) Hexachlorobutadiene	16.04	225	60919	11.389	ug/l	95
95) Naphthalene	16.13	128	100091	9.969	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	63043	13.942	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

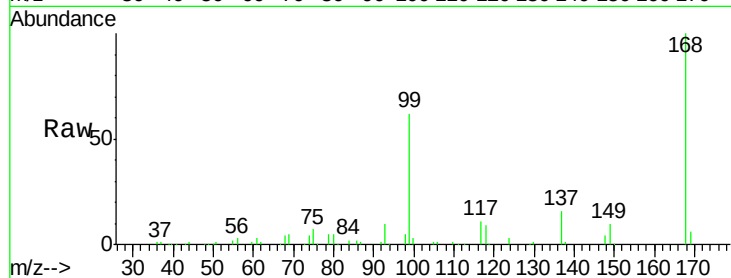
VSTDIC010

Tot Ion:168 Resp: 655308

Ion Ratio Lower Upper

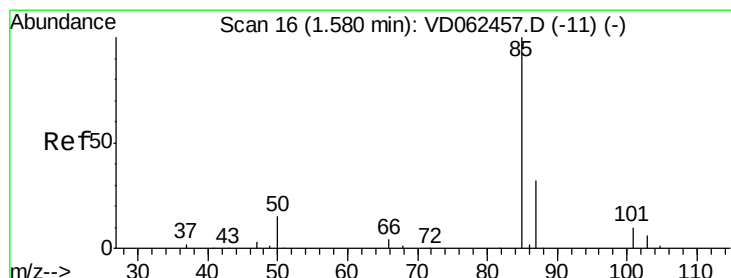
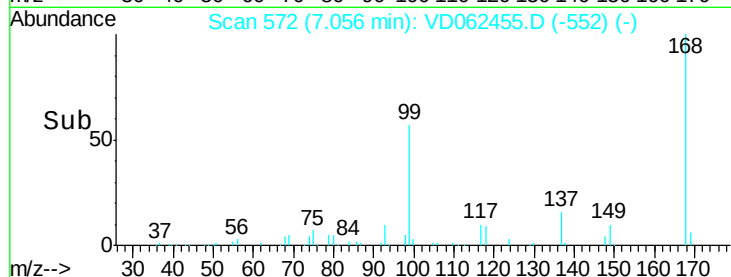
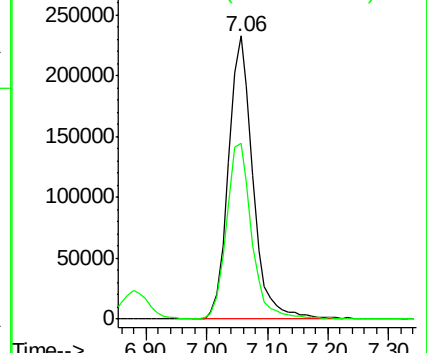
168 100

99 62.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 12.587 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062455.D

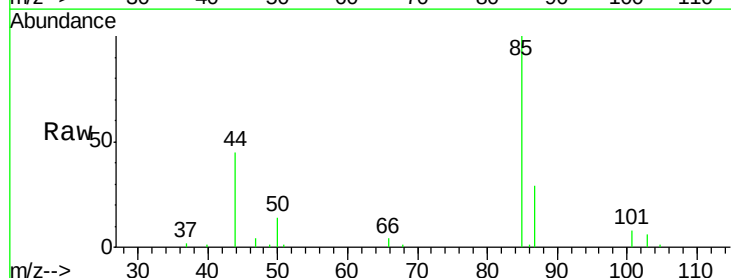
Acq: 20 May 2019 14:50

Tgt Ion: 85 Resp: 78891

Ion Ratio Lower Upper

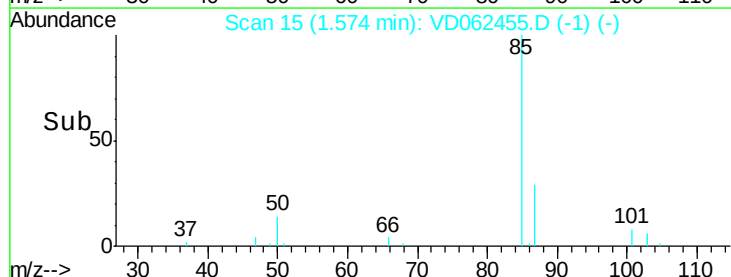
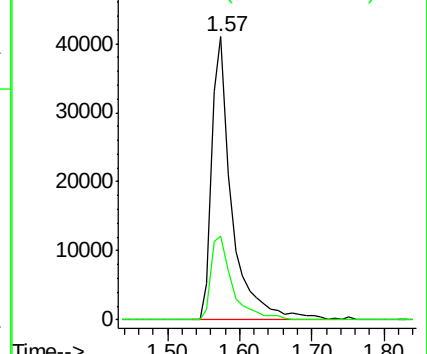
85 100

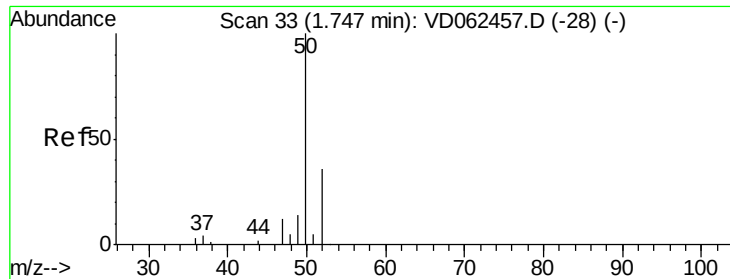
87 29.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.840 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

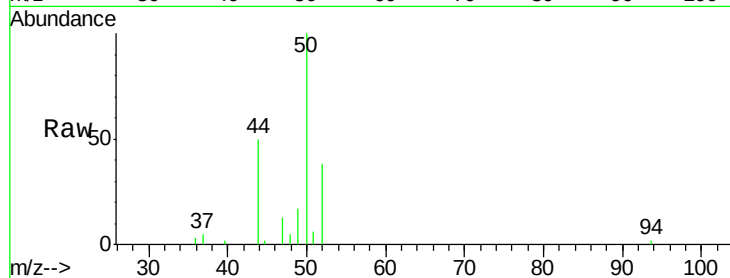
VSTDIC010

Tot Ion: 50 Resp: 44561

Ion Ratio Lower Upper

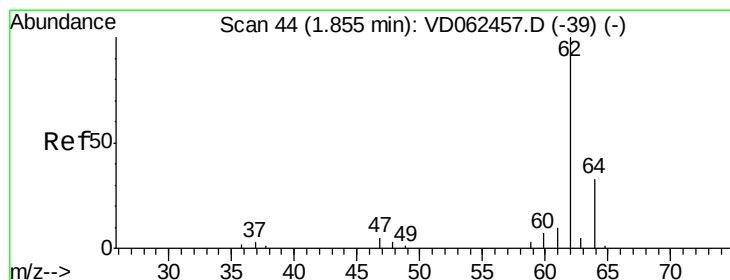
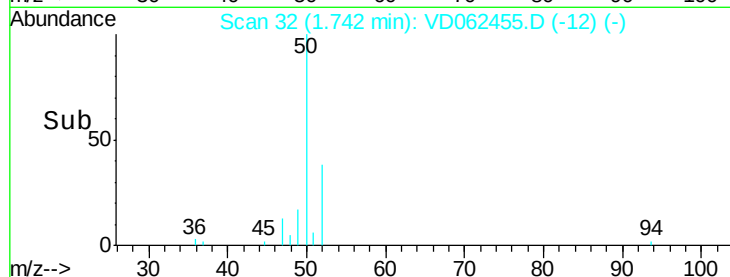
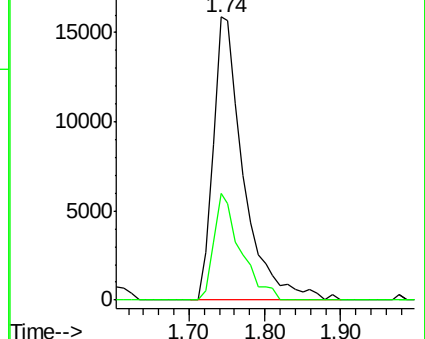
50 100

52 37.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 10.657 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062455.D

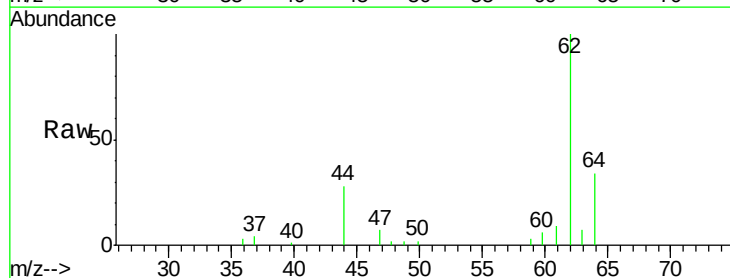
Acq: 20 May 2019 14:50

Tgt Ion: 62 Resp: 47432

Ion Ratio Lower Upper

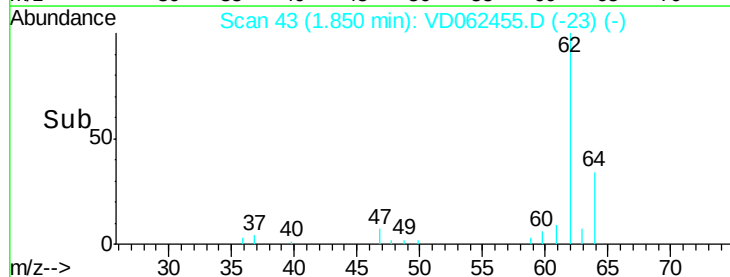
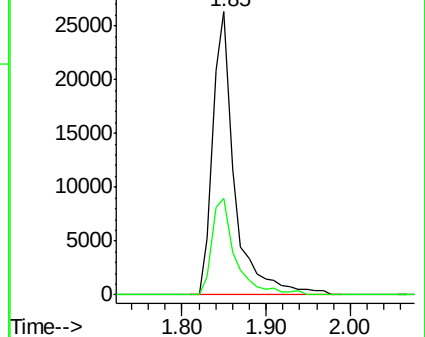
62 100

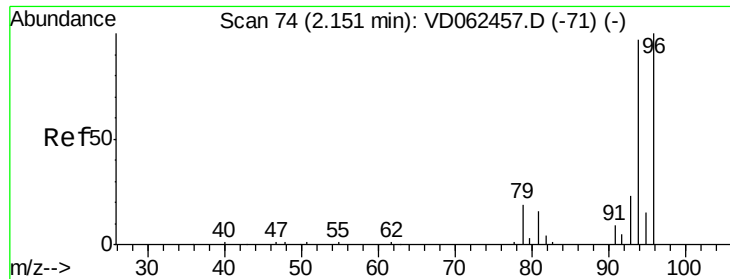
64 34.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 22.916 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

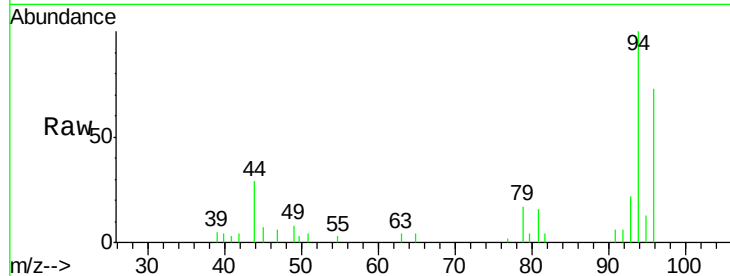
Tot Ion: 94 Resp: 23899

Ion Ratio Lower Upper

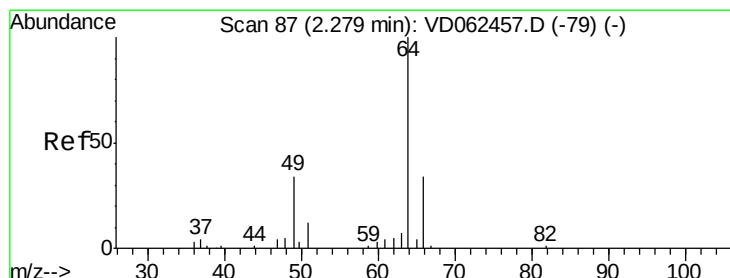
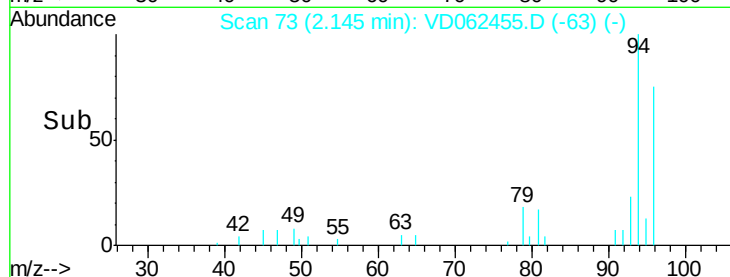
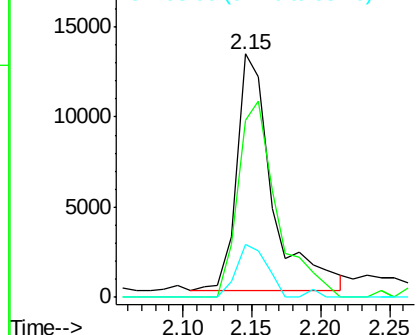
94 100

96 72.7 76.6 115.0#

93 21.9 18.5 27.7



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: 11.022 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062455.D

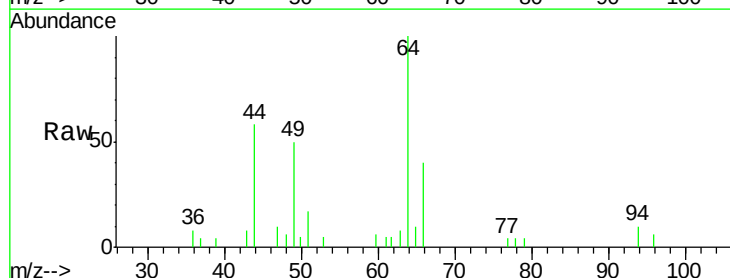
Acq: 20 May 2019 14:50

Tgt Ion: 64 Resp: 20585

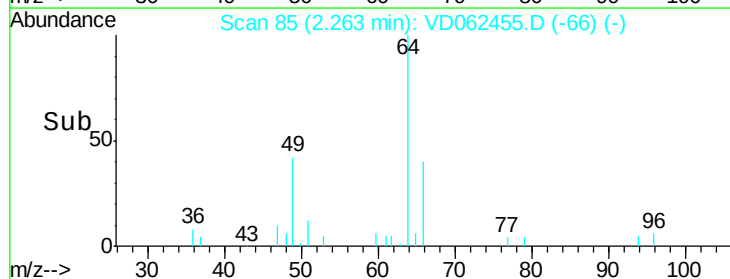
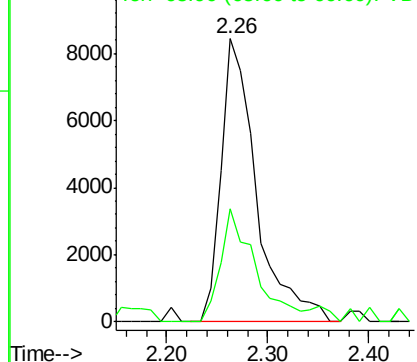
Ion Ratio Lower Upper

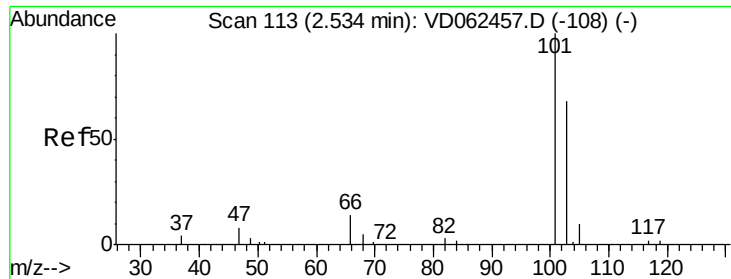
64 100

66 40.0 25.6 38.4#



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



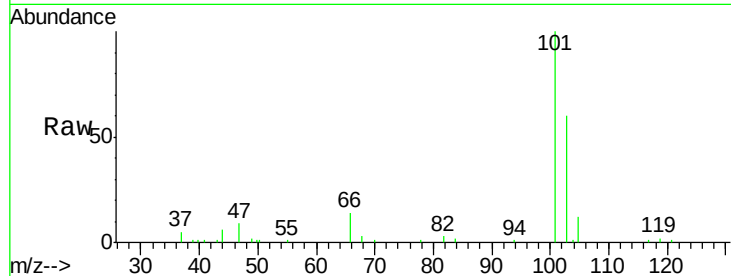


#7

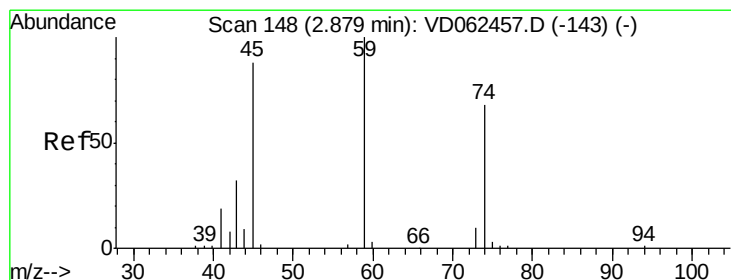
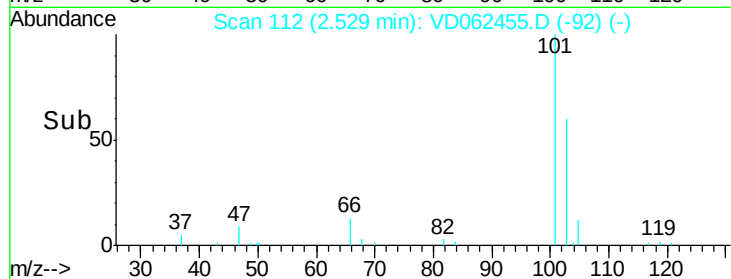
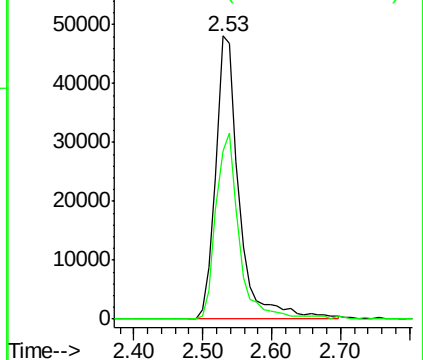
Trichlorofluoromethane
 Concen: 13.157 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Instrument :
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 VSTDIC010

Tot Ion:101 Resp: 113846
 Ion Ratio Lower Upper
 101 100
 103 59.6 53.6 80.4



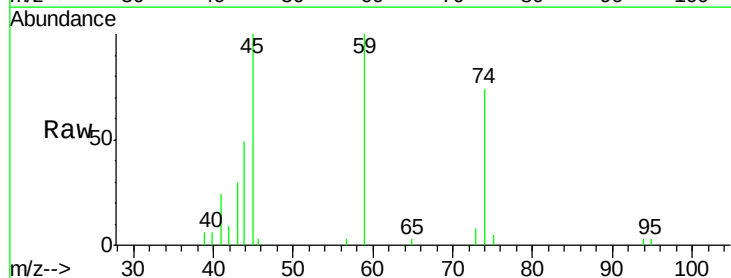
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



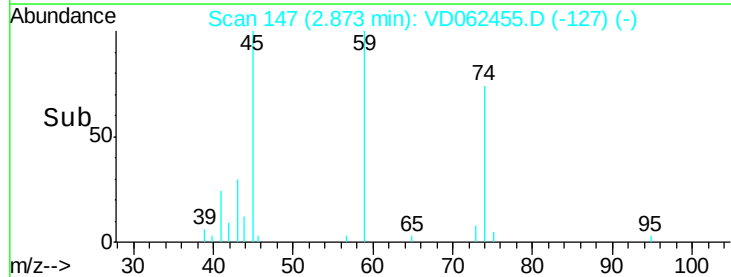
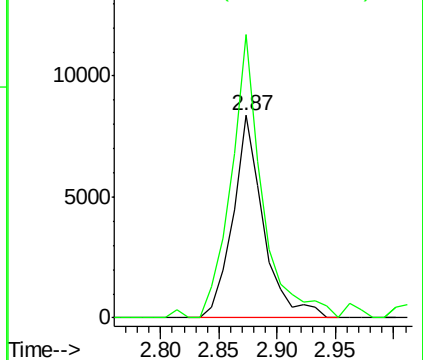
#8

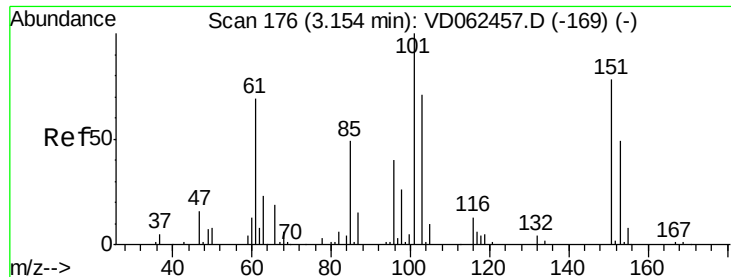
Diethyl Ether
 Concen: 9.092 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion: 74 Resp: 15173
 Ion Ratio Lower Upper
 74 100
 45 139.7 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.764 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

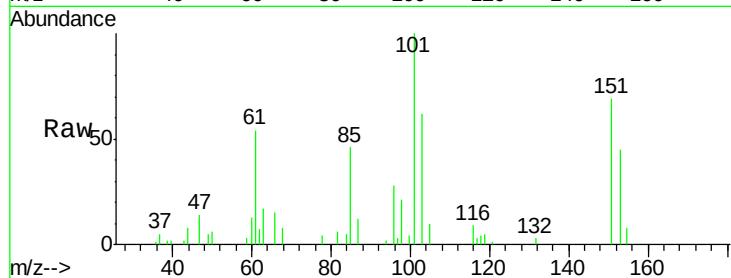
Tot Ion:101 Resp: 63908

Ion Ratio Lower Upper

101 100

85 46.1 32.4 48.6

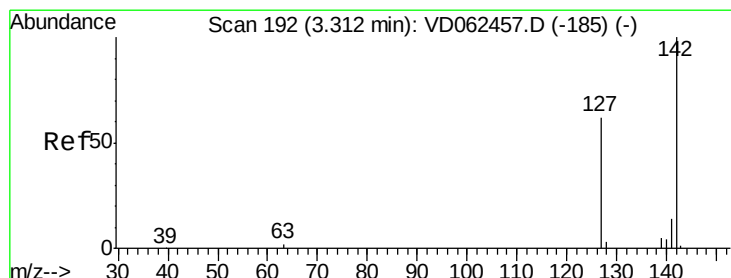
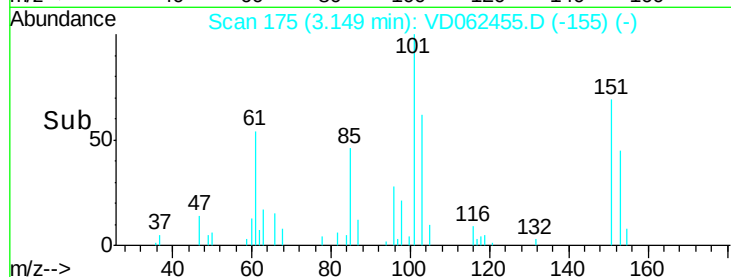
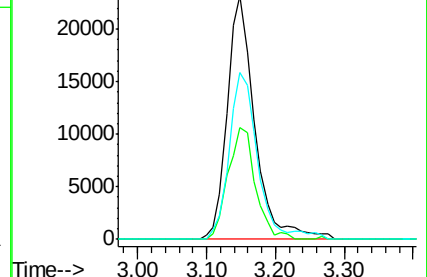
151 68.6 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 7.995 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

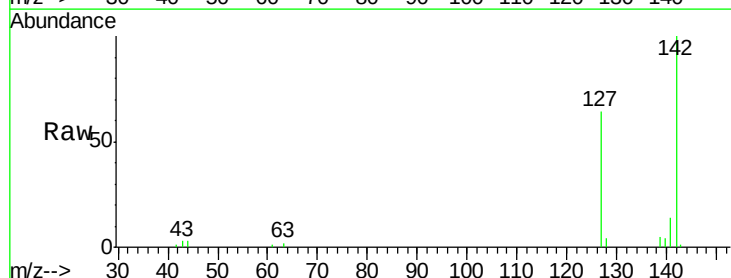
Tgt Ion:142 Resp: 79092

Ion Ratio Lower Upper

142 100

127 63.9 38.8 58.2#

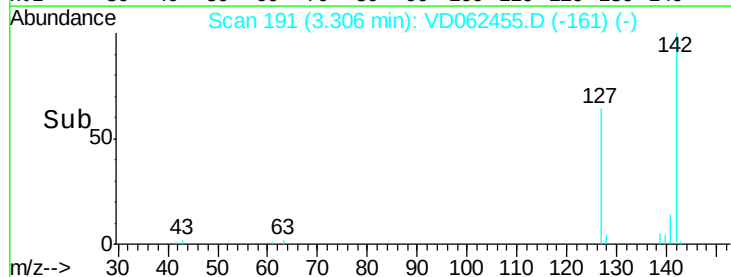
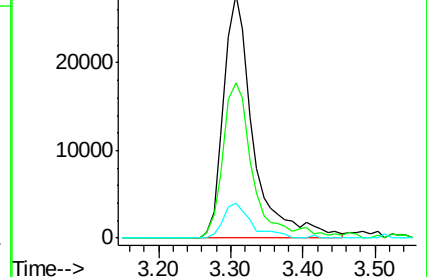
141 14.2 11.4 17.0

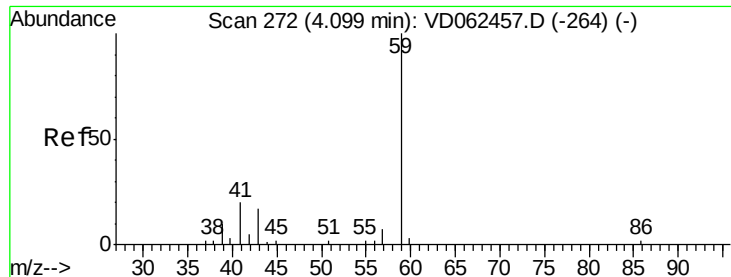


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



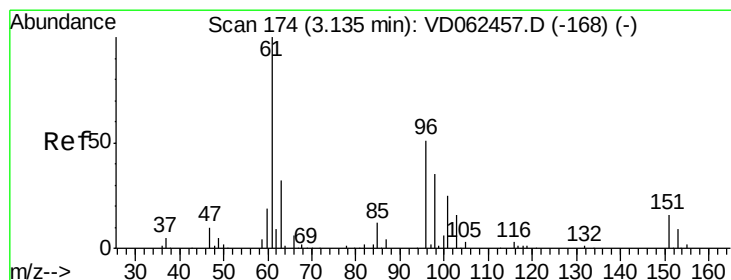
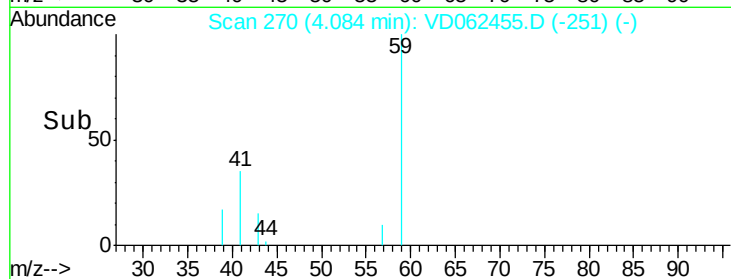
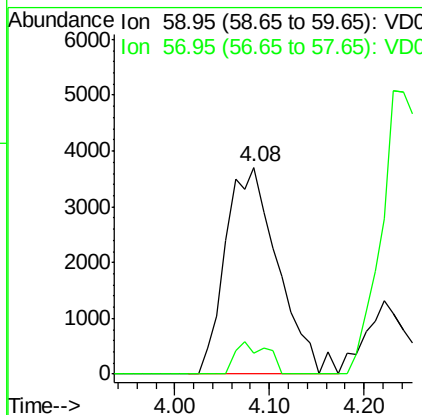
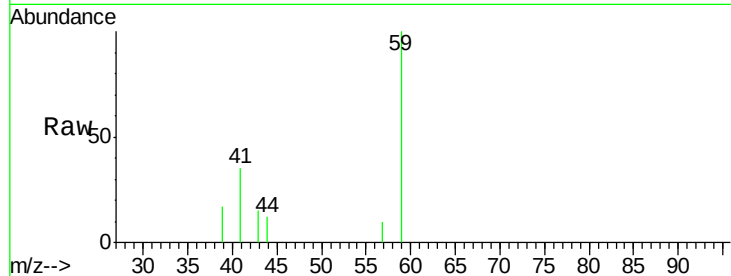


#11

Tert butyl alcohol
 Concen: 45.819 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.02 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

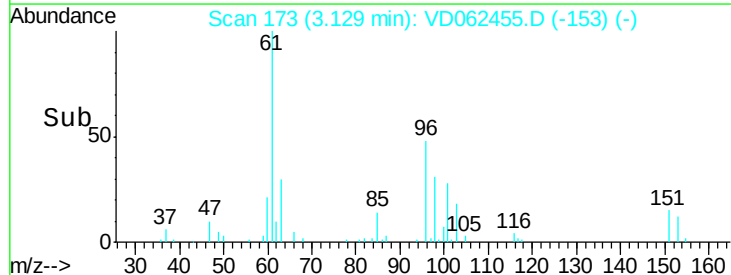
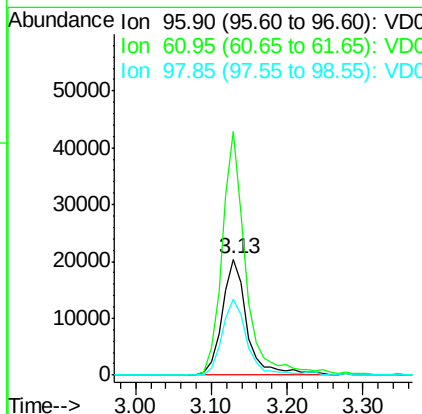
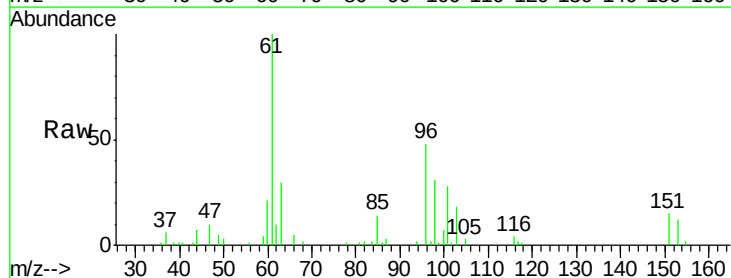
Tot Ion: 59 Resp: 14243
 Ion Ratio Lower Upper
 59 100
 57 9.9 6.9 10.3

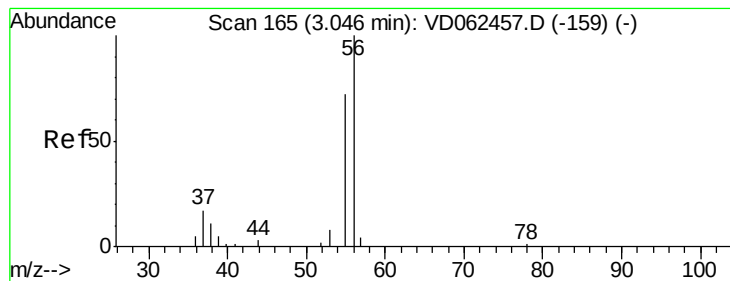


#12

1,1-Dichloroethene
 Concen: 9.282 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion: 96 Resp: 46381
 Ion Ratio Lower Upper
 96 100
 61 209.5 129.8 194.8#
 98 65.4 51.2 76.8





#13

Acrolein

Concen: 43.351 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

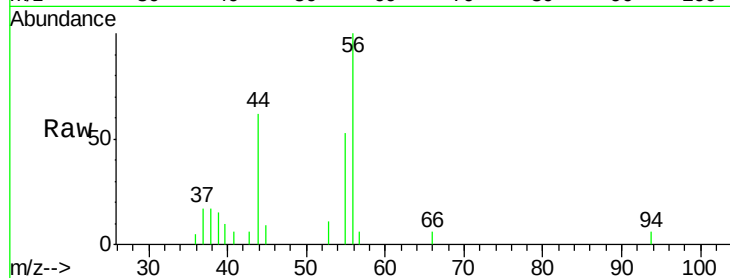
VSTDIC010

Tot Ion: 56 Resp: 13938

Ion Ratio Lower Upper

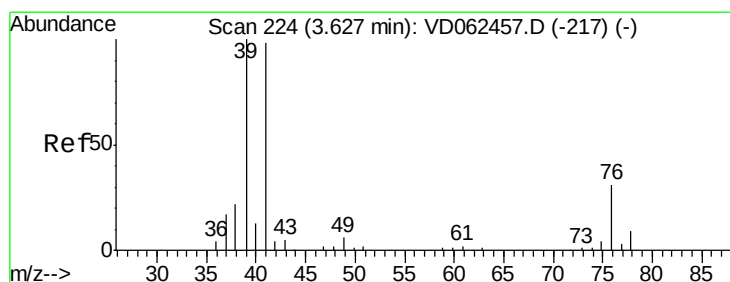
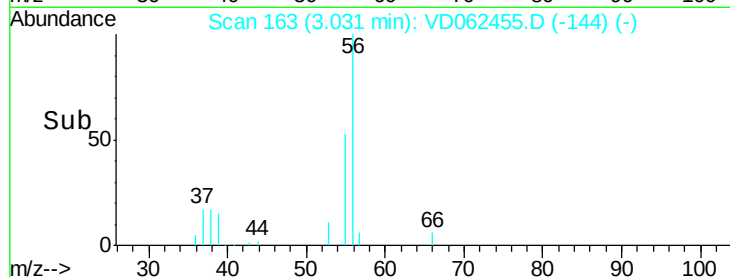
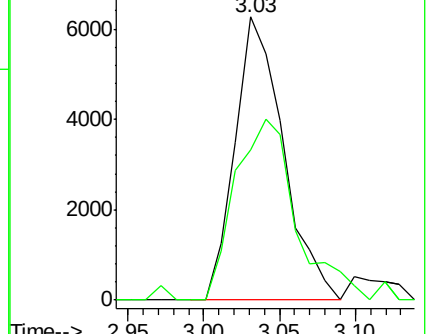
56 100

55 53.0 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.732 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

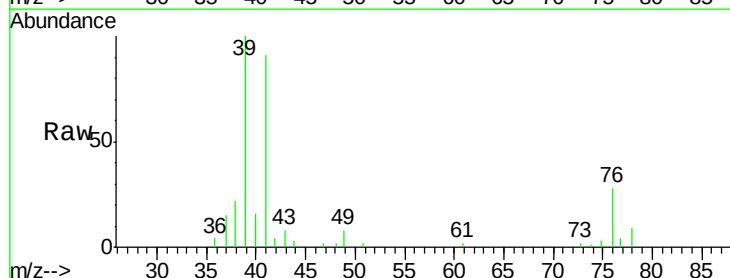
Tgt Ion: 41 Resp: 70705

Ion Ratio Lower Upper

41 100

39 109.9 60.5 90.7#

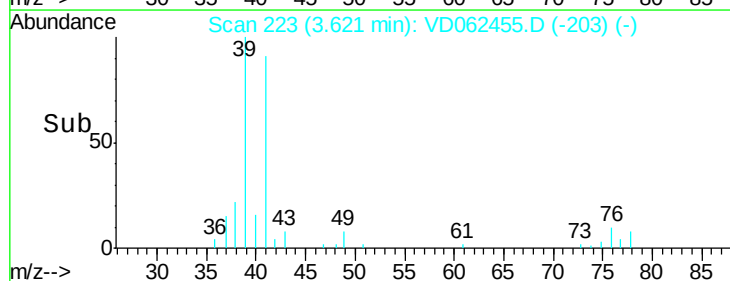
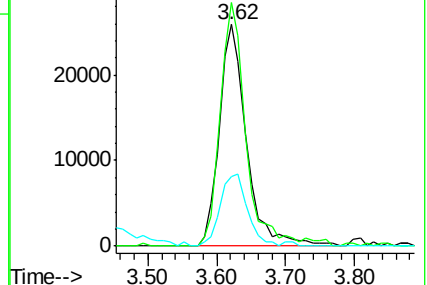
76 31.2 31.8 47.8#

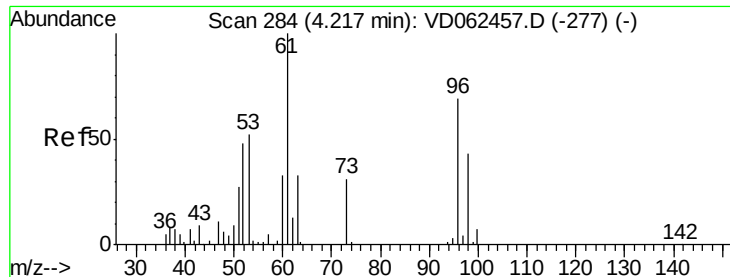


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 41.074 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

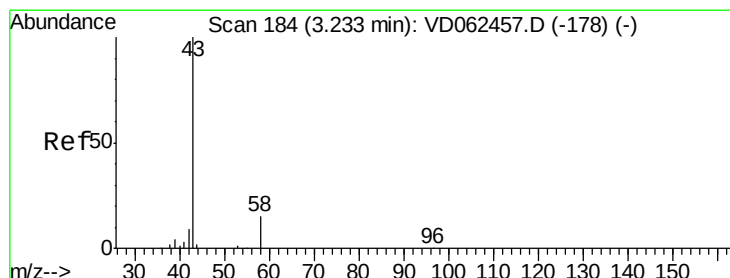
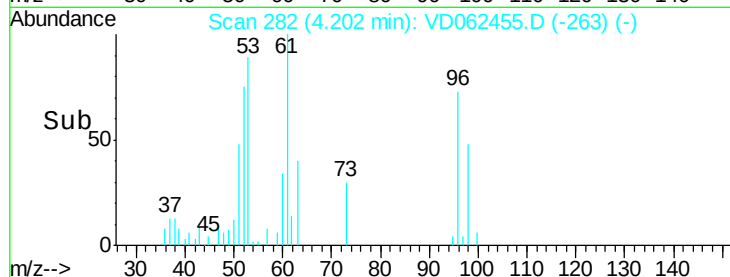
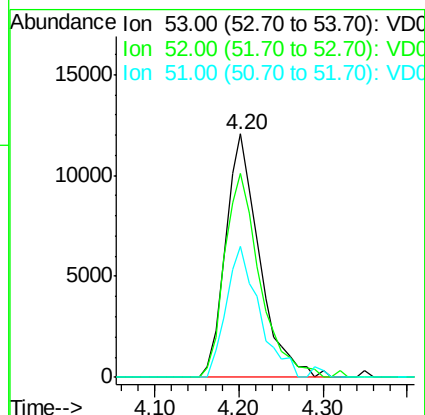
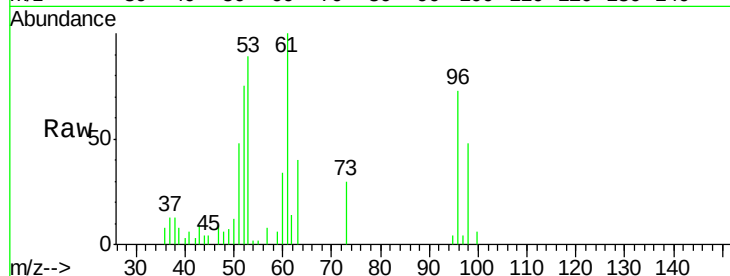
Tot Ion: 53 Resp: 33560

Ion Ratio Lower Upper

53 100

52 83.9 65.0 97.4

51 53.7 32.6 48.8#



#16

Acetone

Concen: 44.361 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062455.D

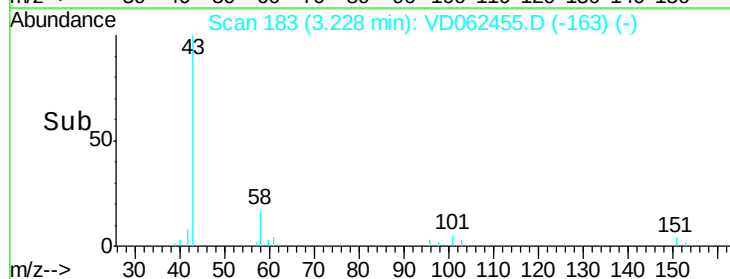
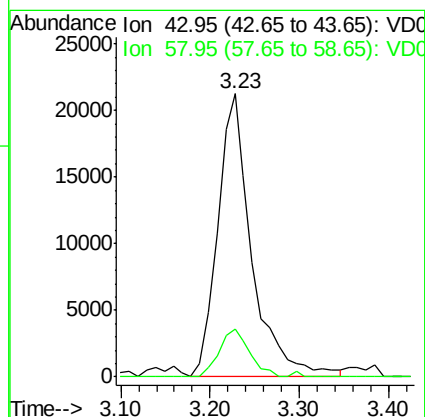
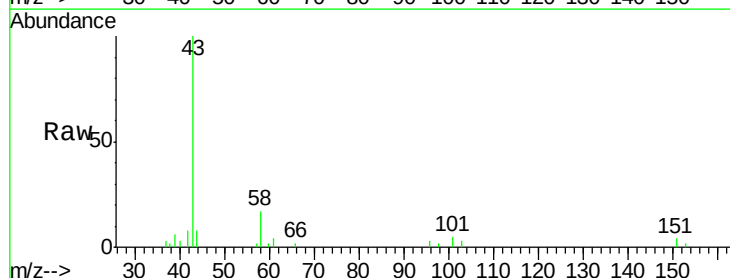
Acq: 20 May 2019 14:50

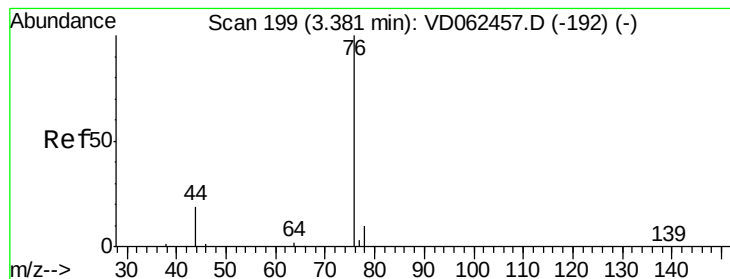
Tgt Ion: 43 Resp: 56654

Ion Ratio Lower Upper

43 100

58 16.9 19.9 29.9#





#17

Carbon Disulfide

Concen: 9.762 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

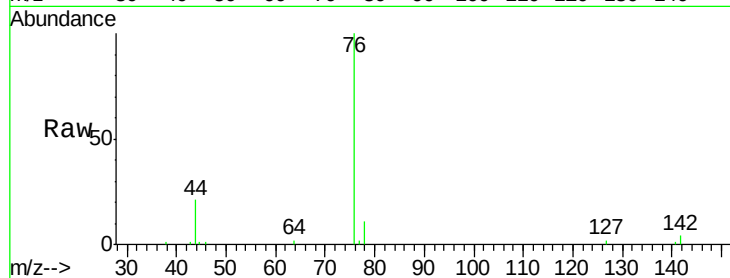
VSTDIC010

Tot Ion: 76 Resp: 140313

Ion Ratio Lower Upper

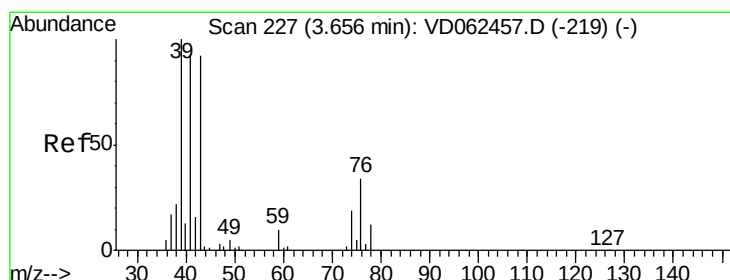
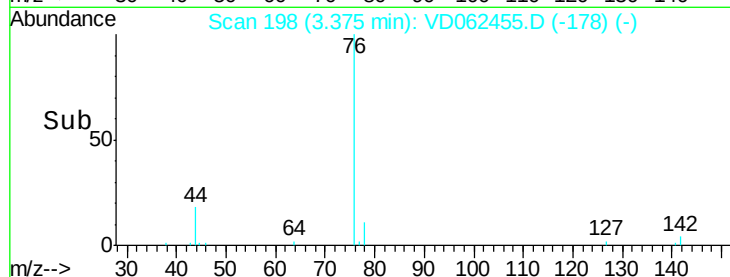
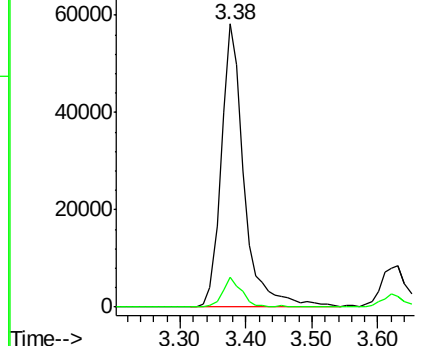
76 100

78 10.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 7.803 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD062455.D

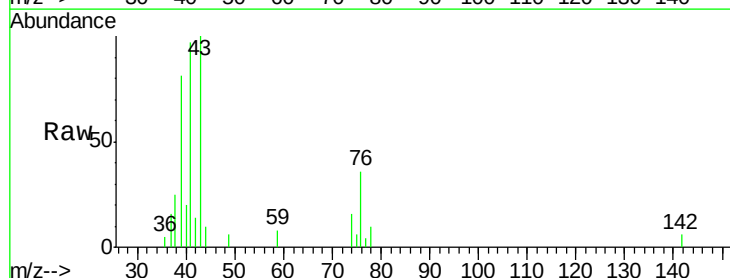
Acq: 20 May 2019 14:50

Tgt Ion: 43 Resp: 19545

Ion Ratio Lower Upper

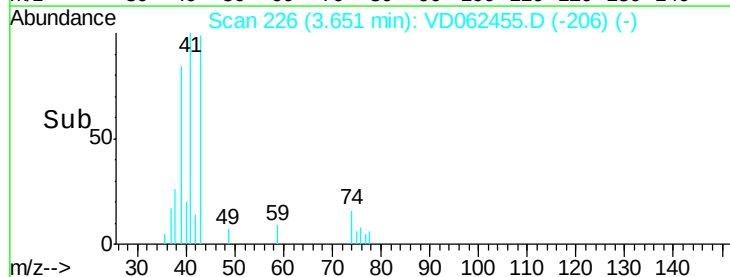
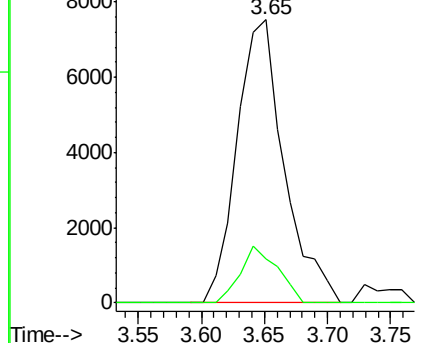
43 100

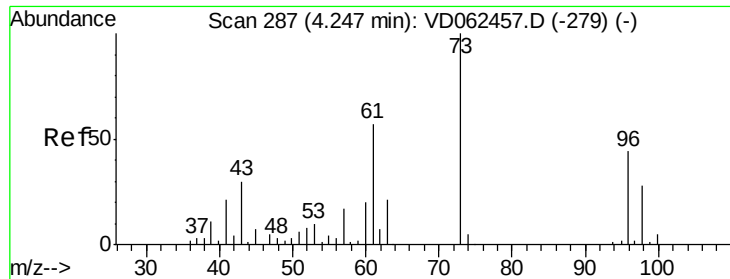
74 15.6 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



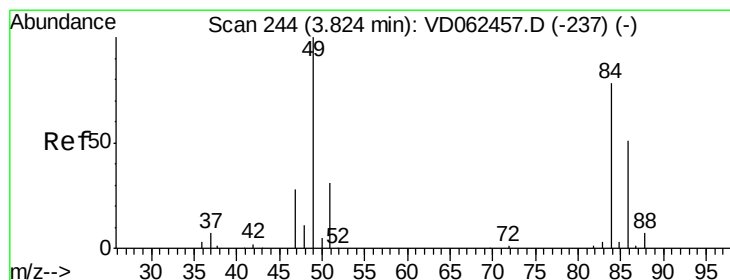
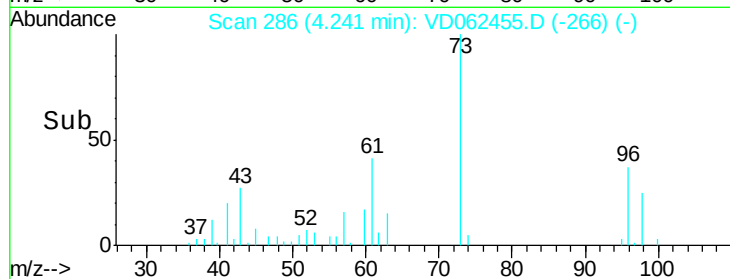
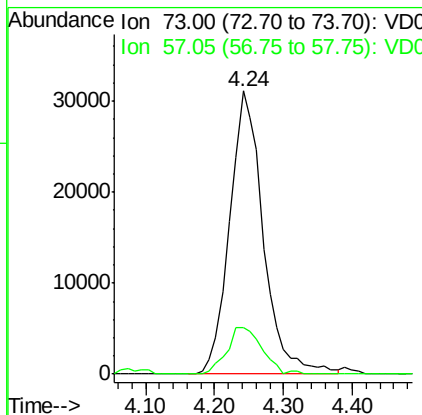
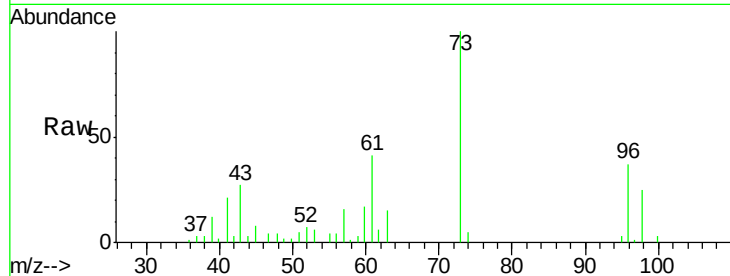


#19

Methyl tert-butyl Ether
 Concen: 9.833 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

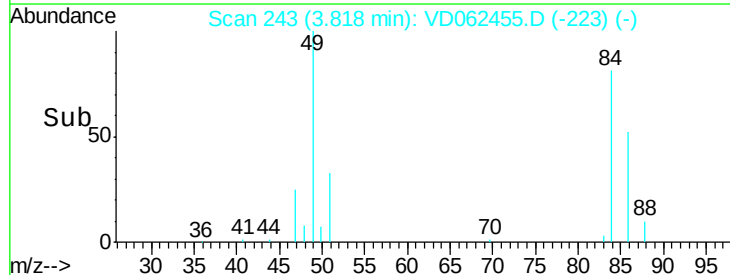
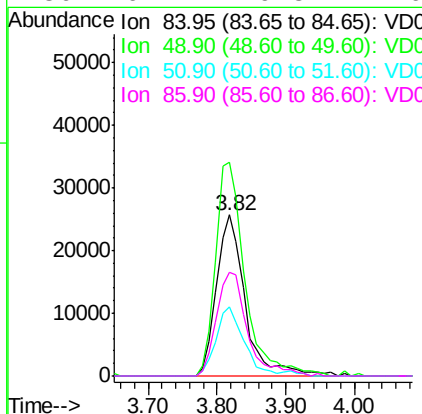
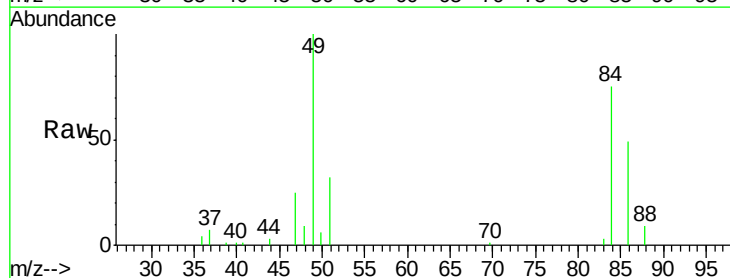
Tot Ion: 73 Resp: 105315
 Ion Ratio Lower Upper
 73 100
 57 16.3 16.3 24.5#

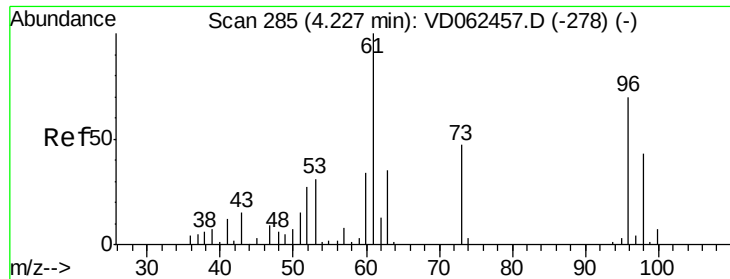


#20

Methylene Chloride
 Concen: 13.897 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion: 84 Resp: 74103
 Ion Ratio Lower Upper
 84 100
 49 132.7 94.0 141.0
 51 42.7 29.0 43.4
 86 64.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 9.857 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

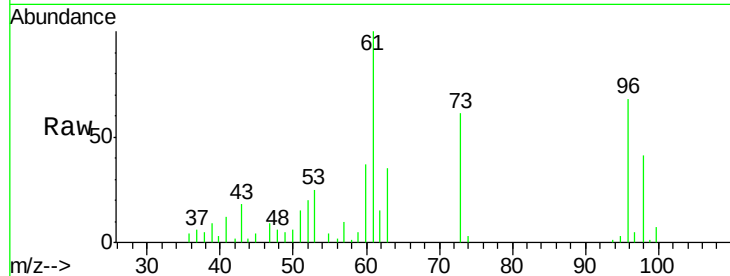
Tot Ion: 96 Resp: 54808

Ion Ratio Lower Upper

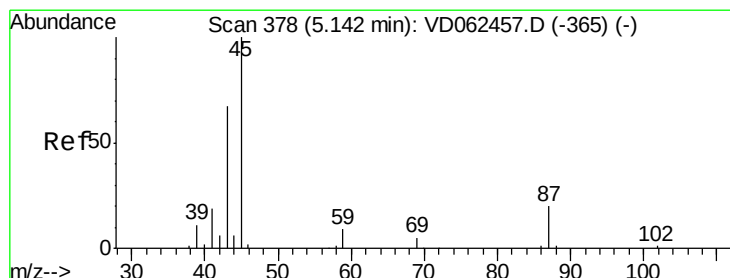
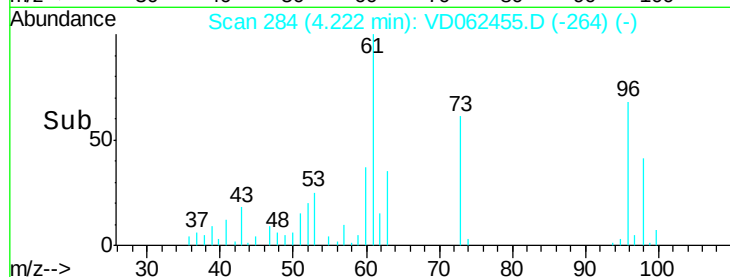
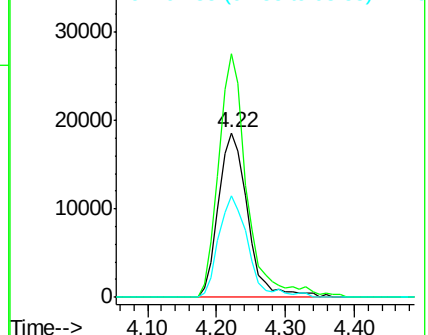
96 100

61 148.1 104.4 156.6

98 61.4 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: 9.227 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Tgt Ion: 45 Resp: 142647

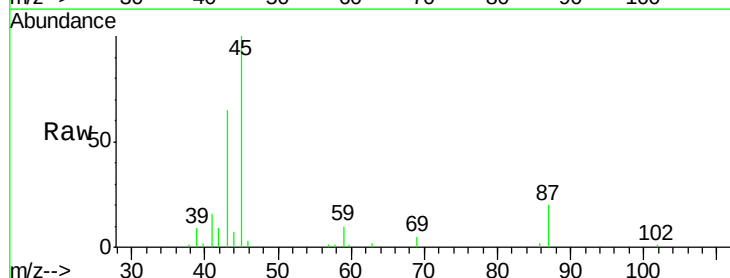
Ion Ratio Lower Upper

45 100

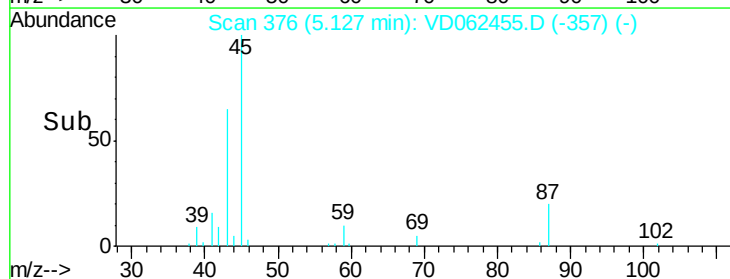
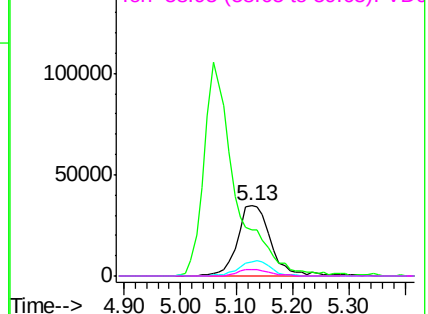
43 65.1 46.2 69.2

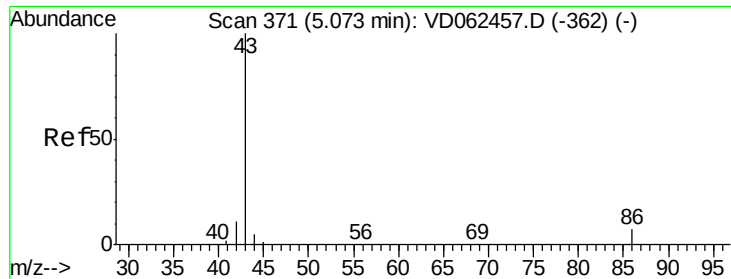
87 20.0 15.9 23.9

59 9.8 7.9 11.9



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: 50.634 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

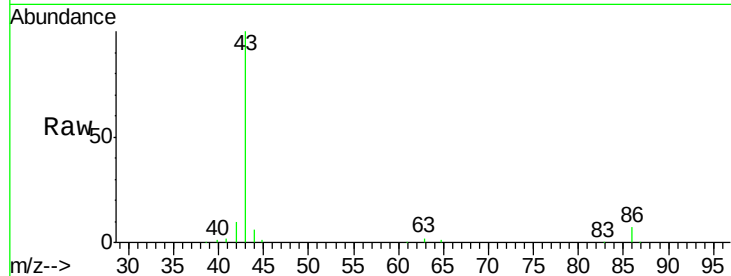
VSTDIC010

Tot Ion: 43 Resp: 413009

Ion Ratio Lower Upper

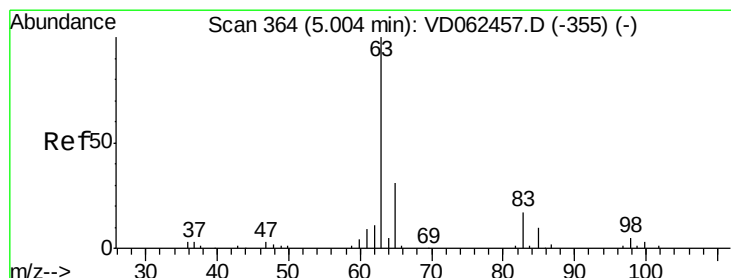
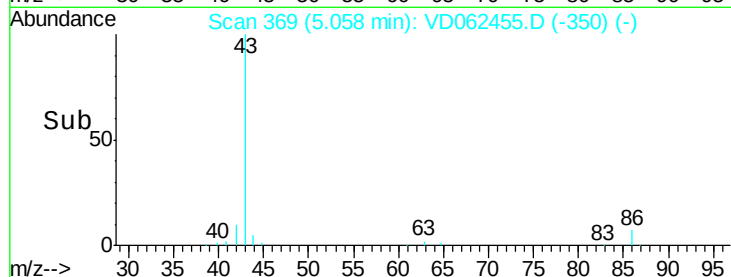
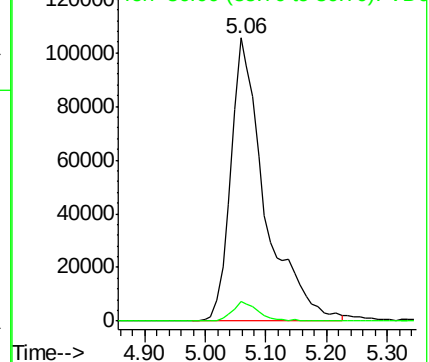
43 100

86 7.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.417 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

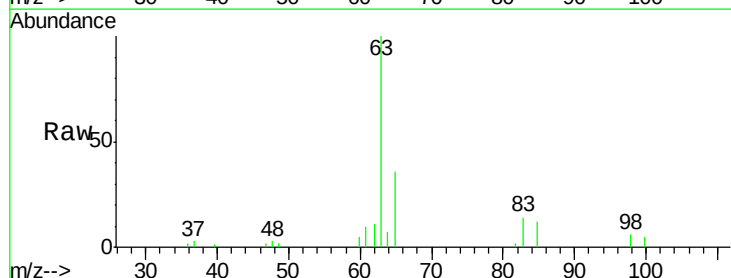
Tgt Ion: 63 Resp: 87828

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

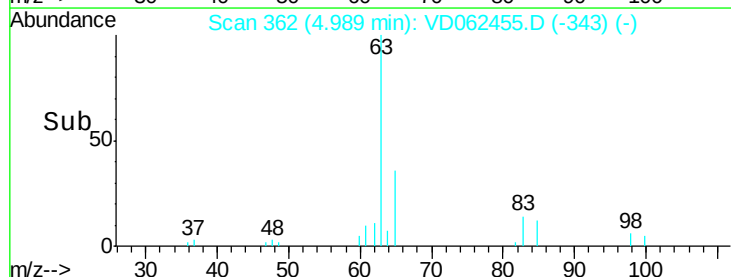
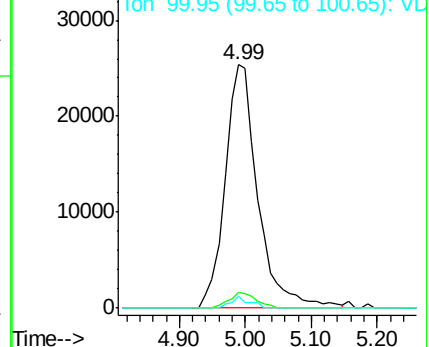
100 4.9 1.8 5.5

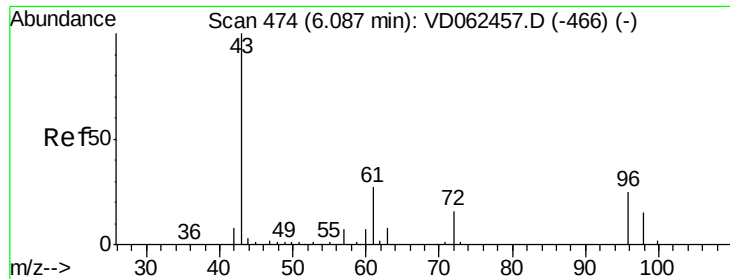


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 41.454 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

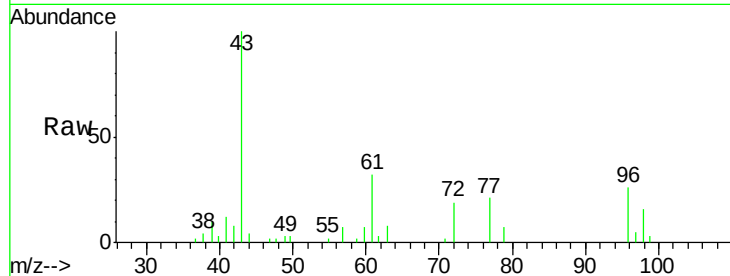
VSTDIC010

Tot Ion: 43 Resp: 57746

Ion Ratio Lower Upper

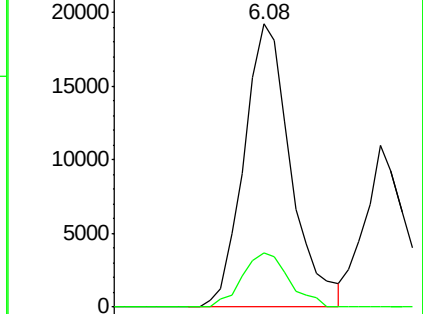
43 100

72 19.2 16.2 24.4

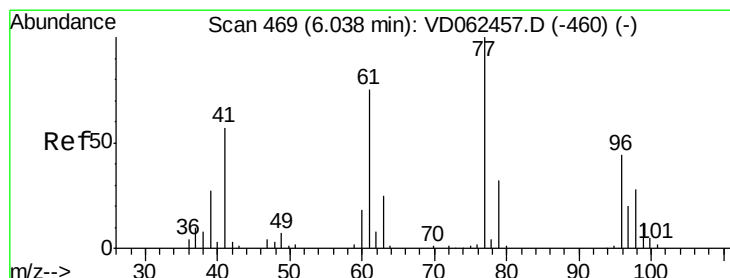
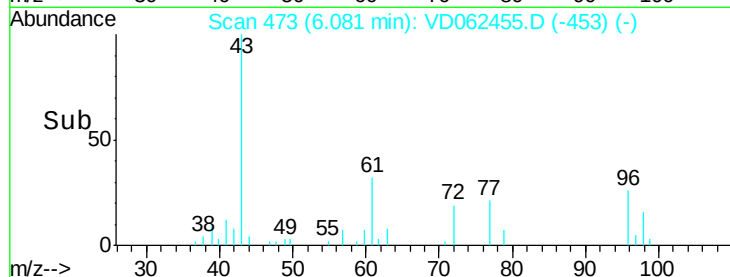


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 10.623 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062455.D

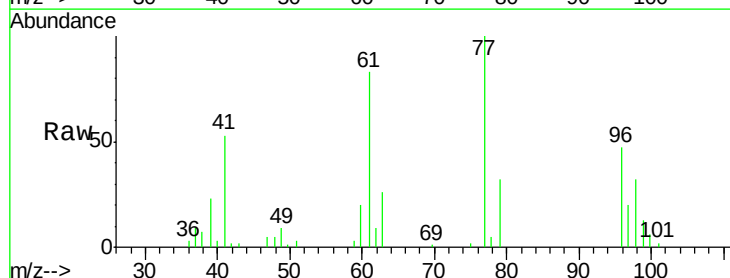
Acq: 20 May 2019 14:50

Tgt Ion: 77 Resp: 98687

Ion Ratio Lower Upper

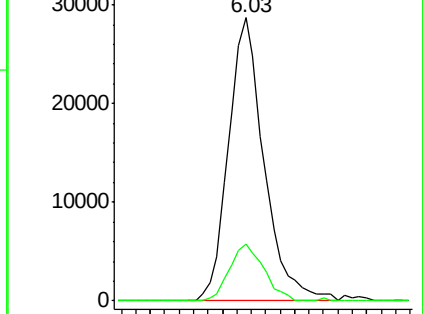
77 100

97 19.9 11.9 35.9

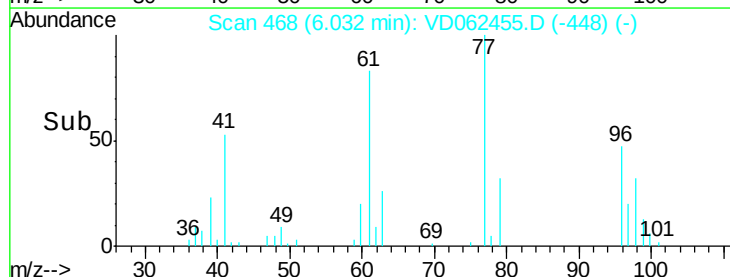


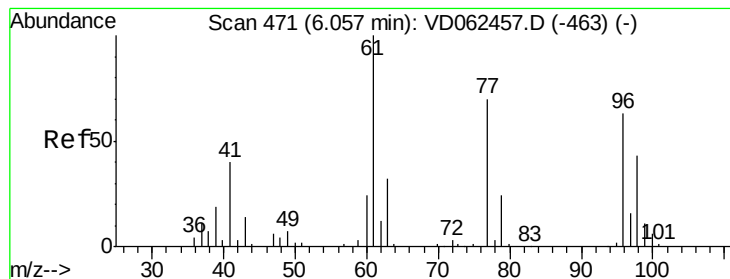
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 8.767 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

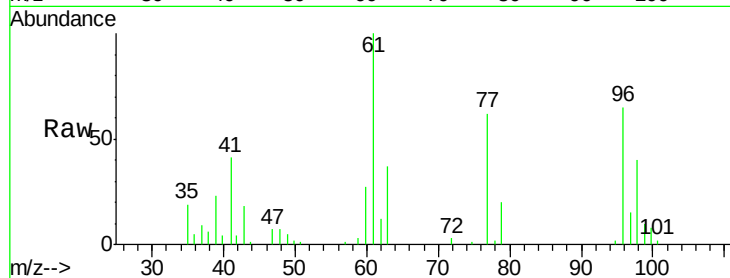
Tot Ion: 96 Resp: 54561

Ion Ratio Lower Upper

96 100

61 154.7 0.0 279.8

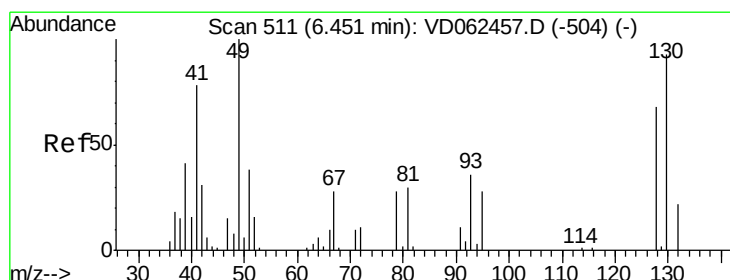
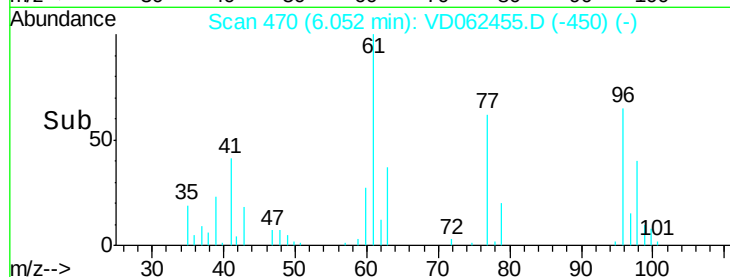
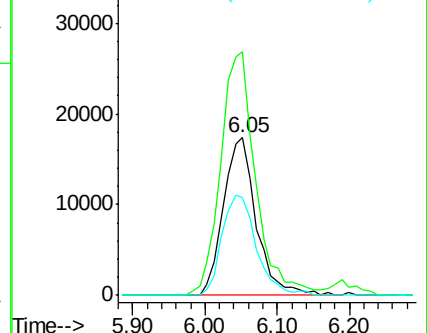
98 62.2 0.0 136.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 9.983 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

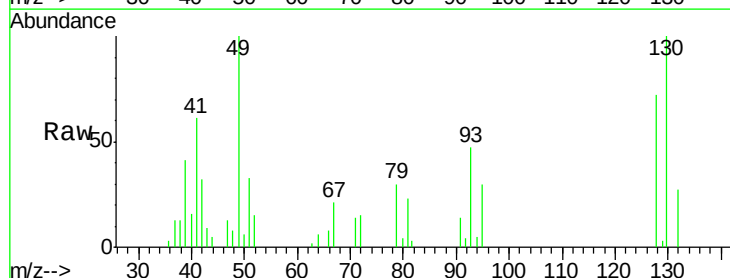
Tgt Ion: 49 Resp: 36629

Ion Ratio Lower Upper

49 100

129 3.0 0.0 6.6

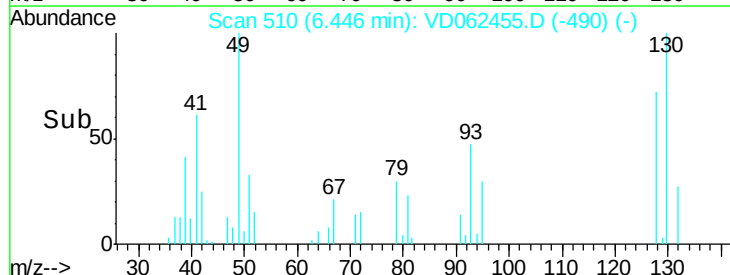
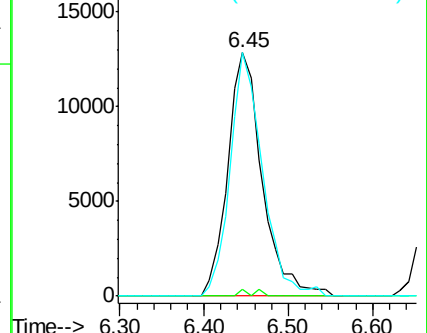
130 100.0 86.7 130.1

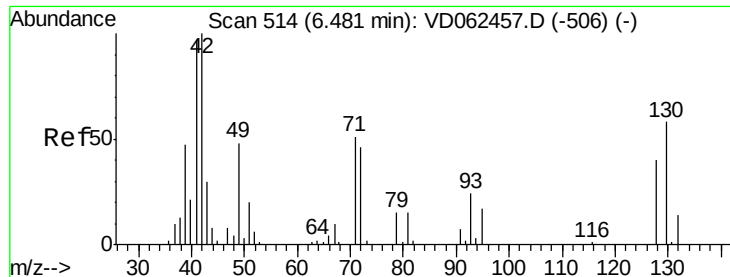


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 43.732 ug/l

RT: 6.48 min Scan# 513

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

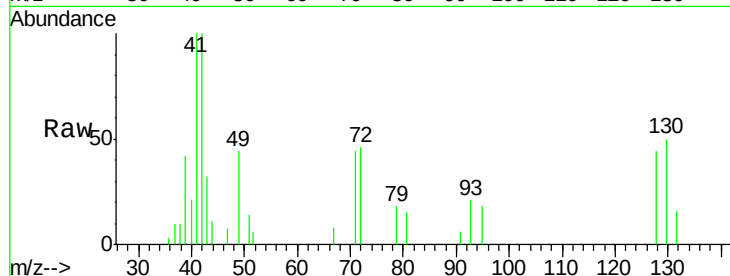
Tot Ion: 42 Resp: 28069

Ion Ratio Lower Upper

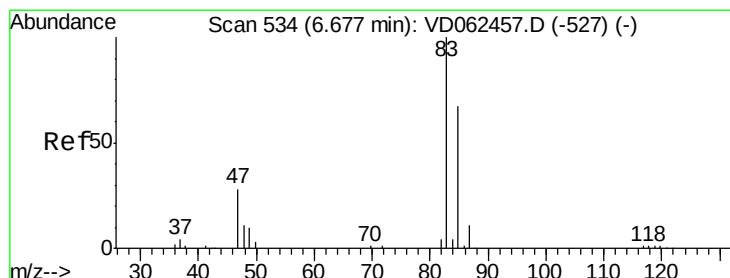
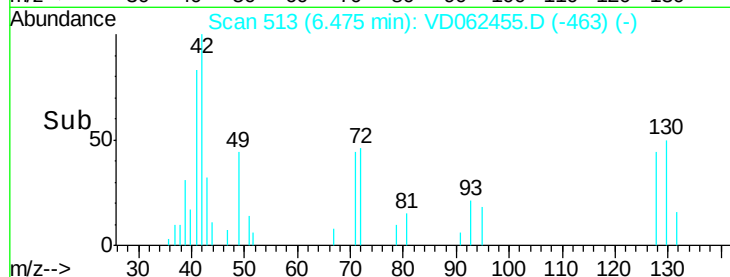
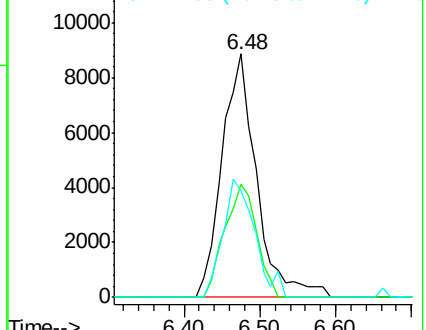
42 100

72 43.0 37.8 56.6

71 44.2 36.7 55.1



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: 10.166 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062455.D

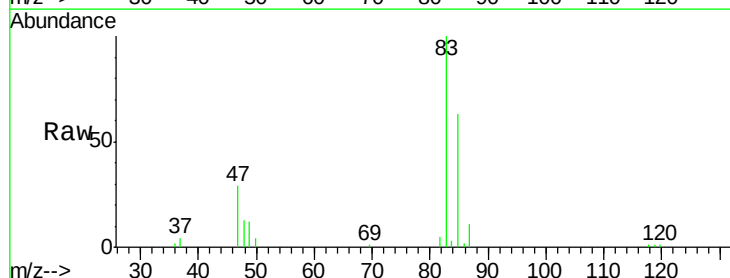
Acq: 20 May 2019 14:50

Tgt Ion: 83 Resp: 114264

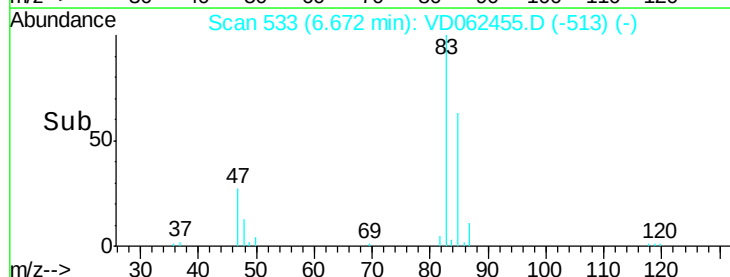
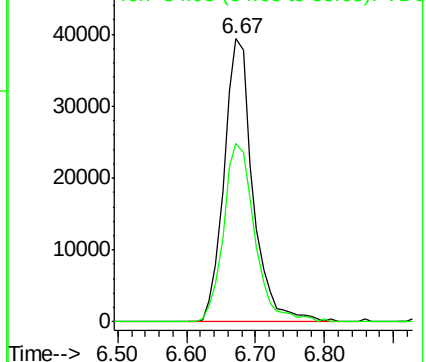
Ion Ratio Lower Upper

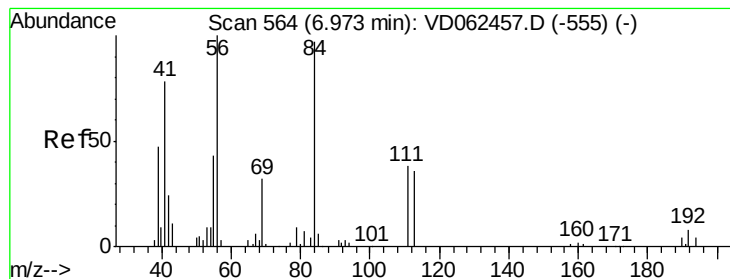
83 100

85 63.0 51.7 77.5



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





#31

Cyclohexane

Concen: 10.347 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

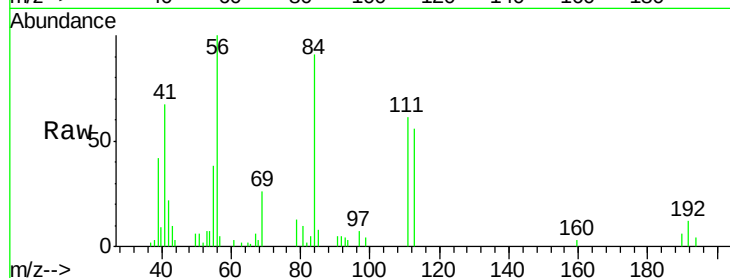
Tot Ion: 56 Resp: 66113

Ion Ratio Lower Upper

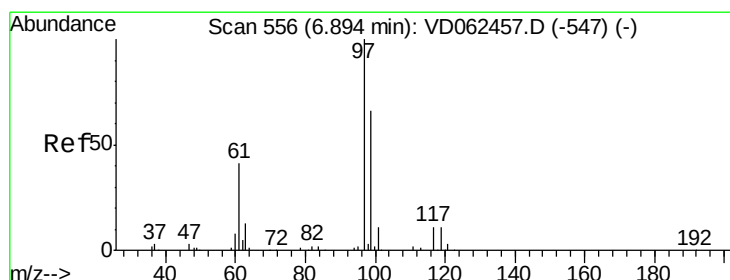
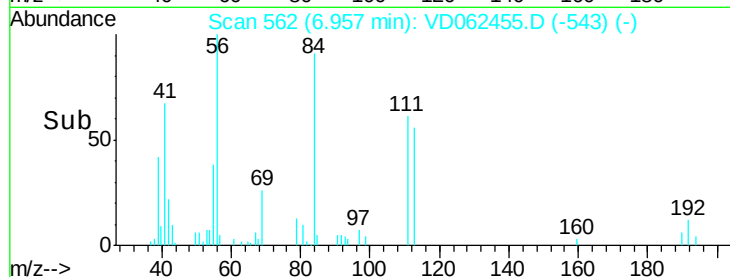
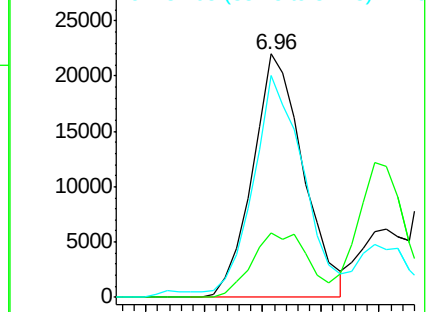
56 100

69 26.5 25.8 38.6

84 91.2 72.2 108.4



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: 10.986 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

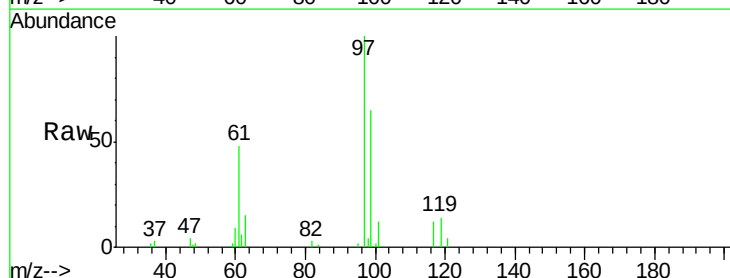
Tgt Ion: 97 Resp: 116717

Ion Ratio Lower Upper

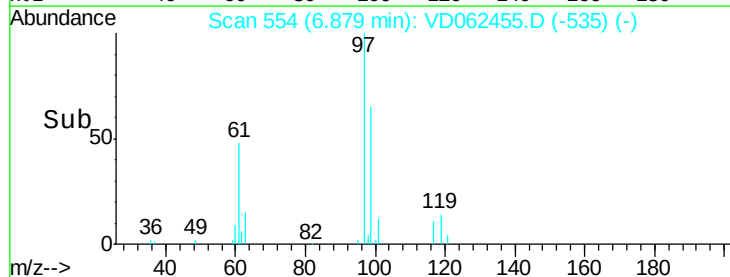
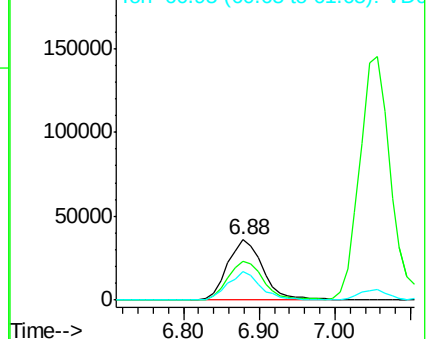
97 100

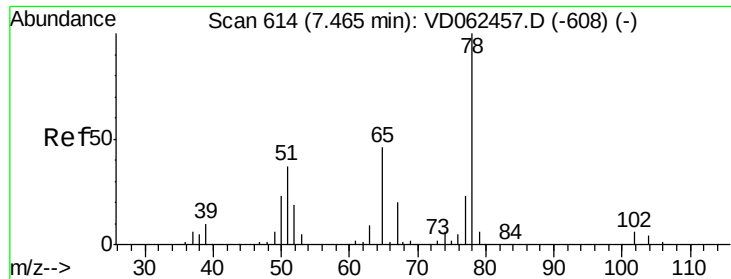
99 65.3 52.2 78.2

61 47.7 32.4 48.6



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

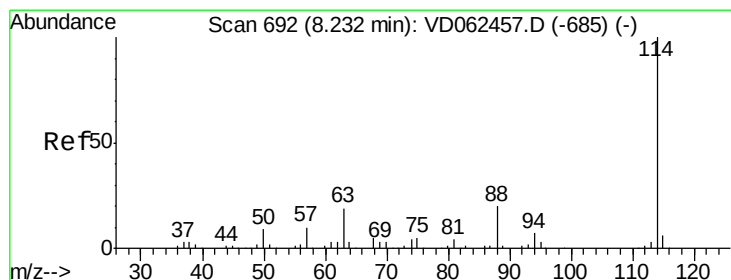
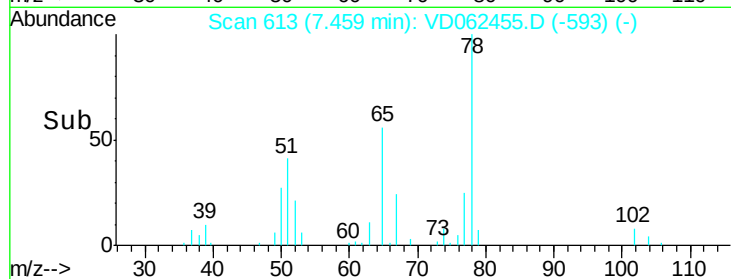
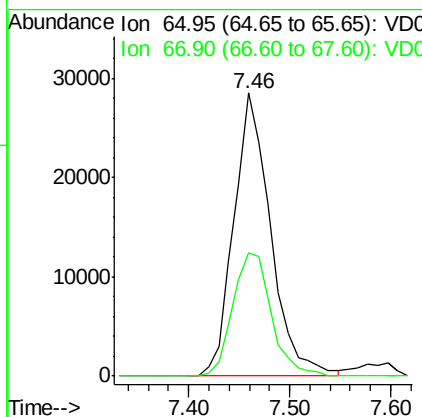
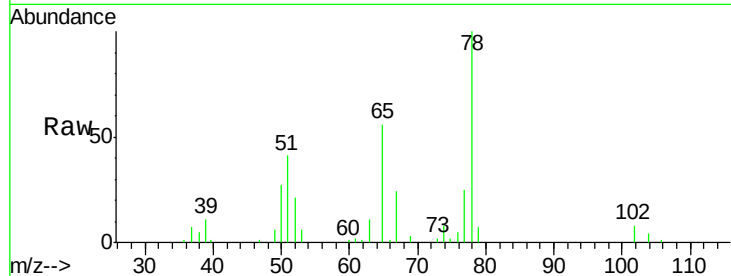




#33
 1,2-Dichloroethane-d4
 Concen: 11.895 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

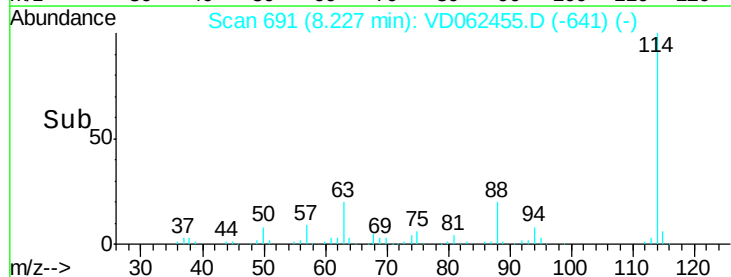
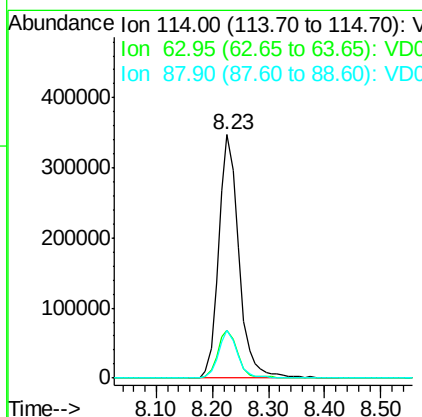
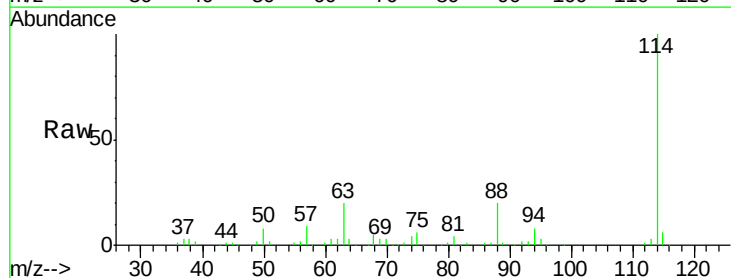
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

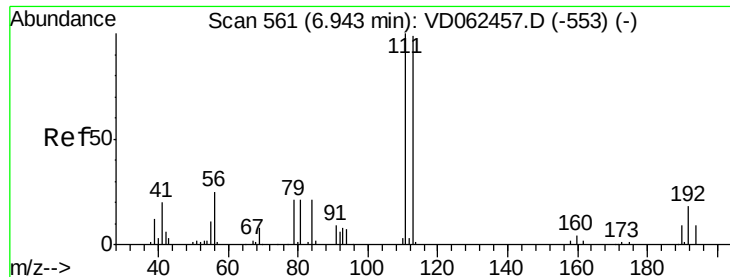
Tot Ion: 65 Resp: 72436
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion: 114 Resp: 873522
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 32.4
 88 19.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 11.052 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

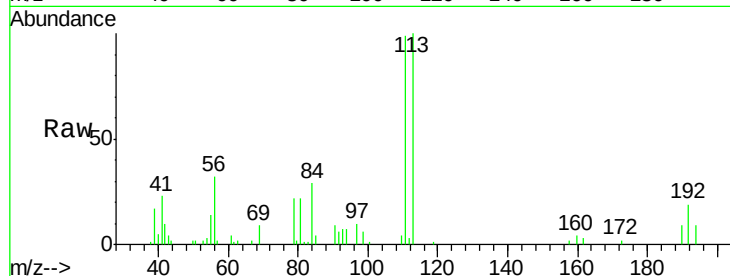
Tot Ion:113 Resp: 80105

Ion Ratio Lower Upper

113 100

111 99.4 78.5 117.7

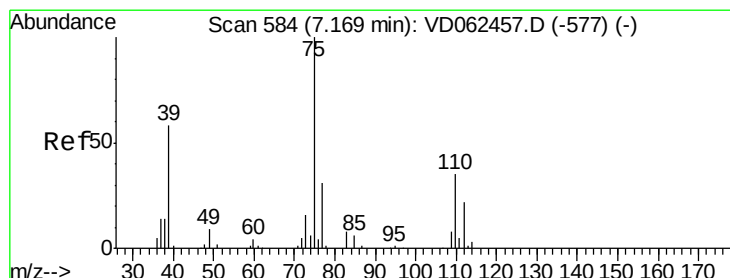
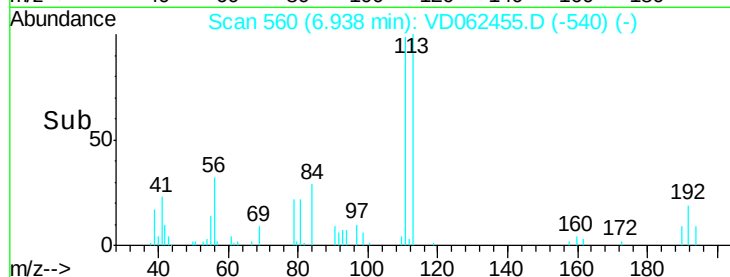
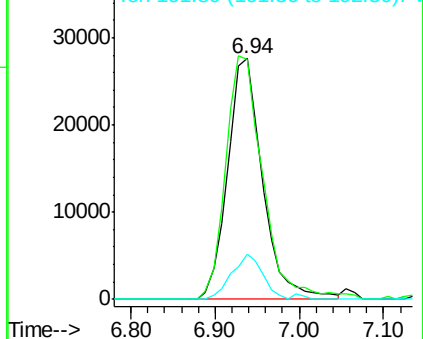
192 18.8 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 11.696 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

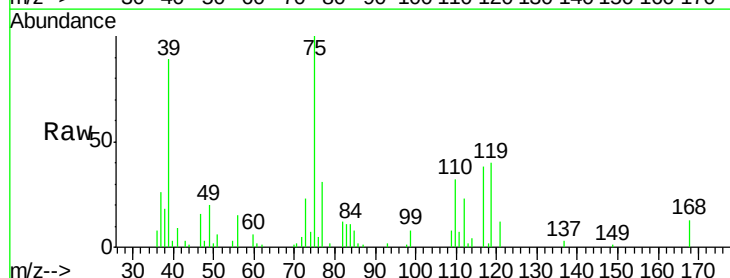
Tgt Ion: 75 Resp: 83769

Ion Ratio Lower Upper

75 100

110 32.1 19.1 57.1

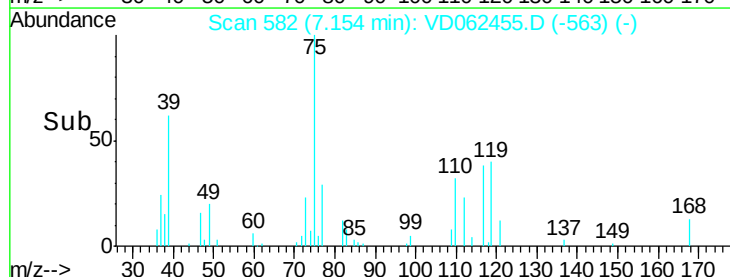
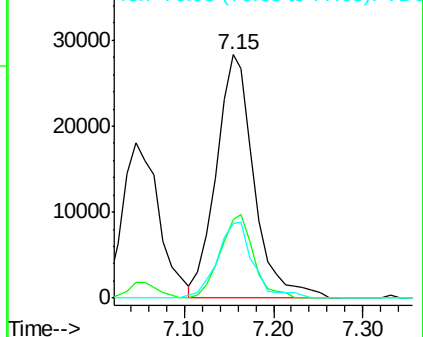
77 30.8 25.6 38.4

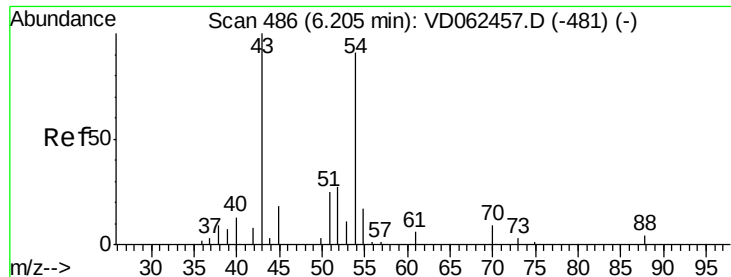


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

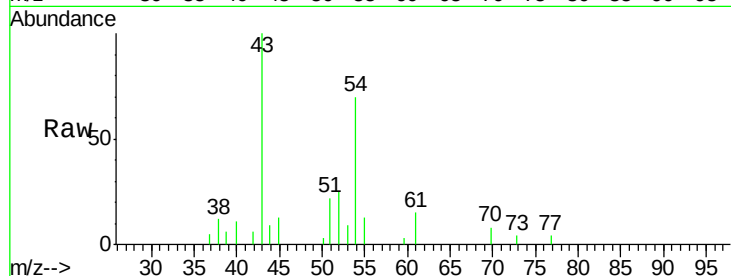




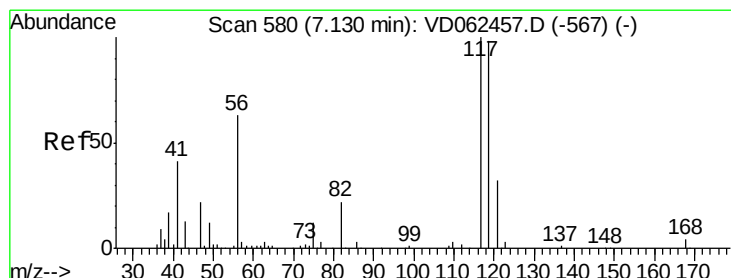
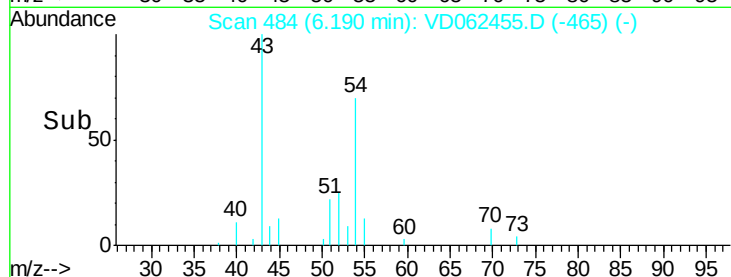
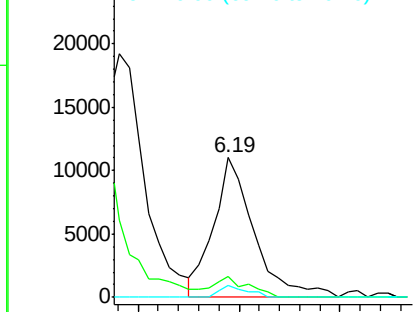
#37
Ethyl Acetate
Concen: 10.111 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 30709
Ion Ratio Lower Upper
43 100
61 15.3 14.7 22.1
70 8.1 7.8 11.6

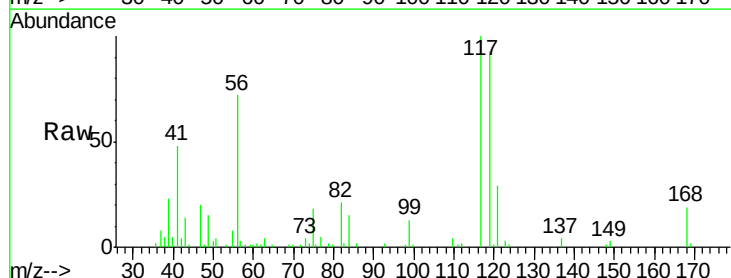


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

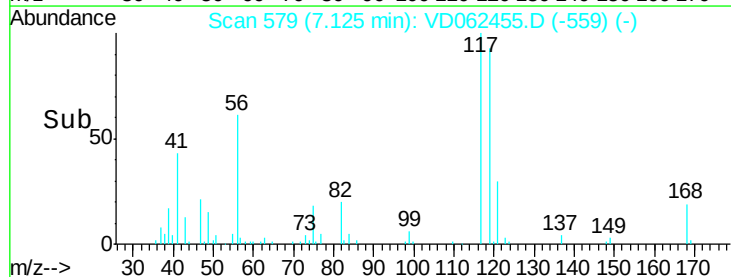
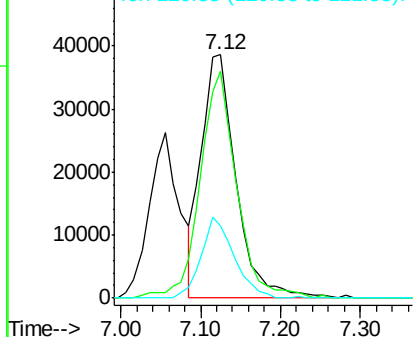


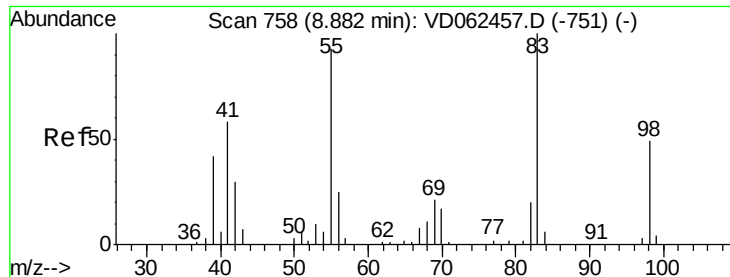
#38
Carbon Tetrachloride
Concen: 11.816 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion: 117 Resp: 117135
Ion Ratio Lower Upper
117 100
119 93.2 75.8 113.8
121 29.4 25.9 38.9



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

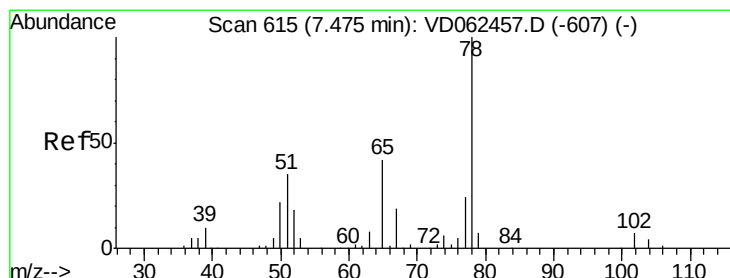
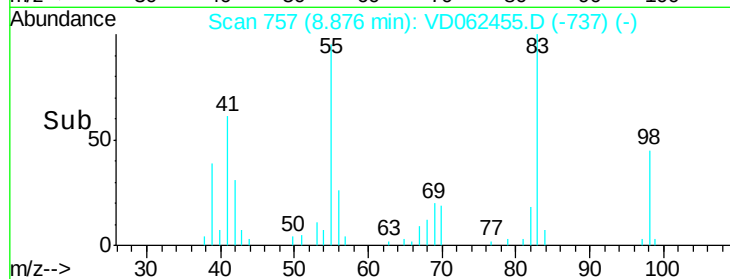
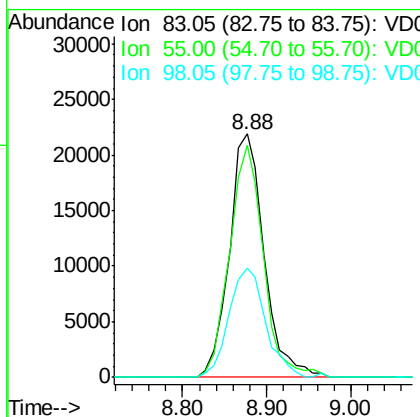
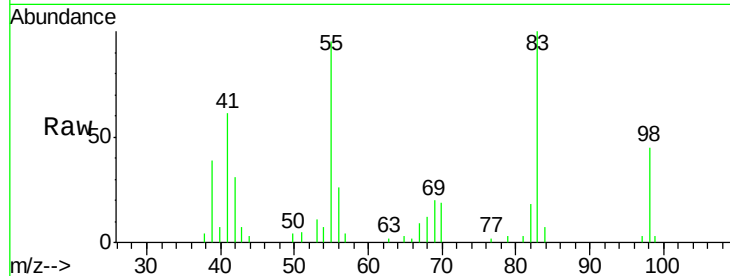




#39
Methylvlcyclohexane
Concen: 9.138 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

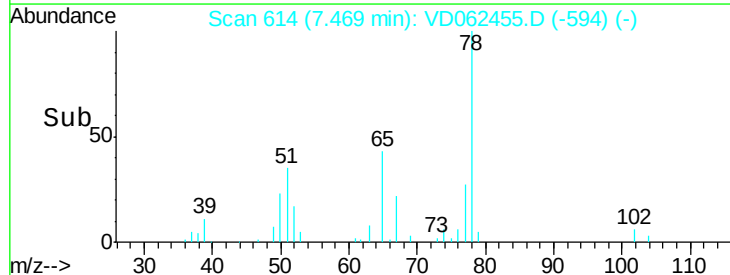
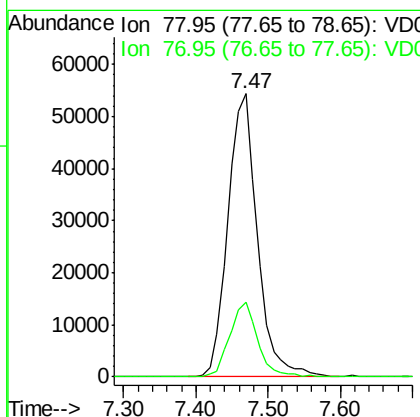
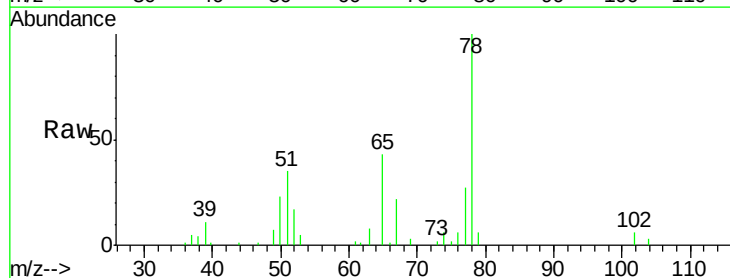
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

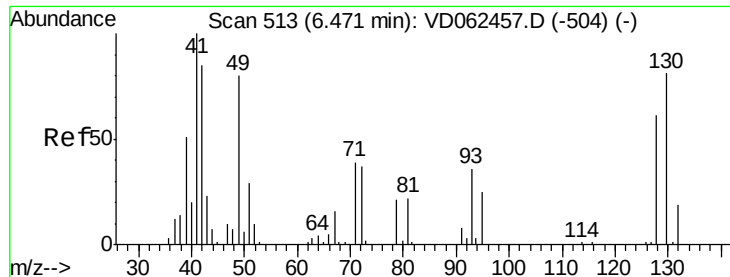
Tot Ion: 83 Resp: 62703
Ion Ratio Lower Upper
83 100
55 95.4 68.2 102.4
98 45.1 38.2 57.4



#40
Benzene
Concen: 9.573 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion: 78 Resp: 154823
Ion Ratio Lower Upper
78 100
77 26.5 19.7 29.5





#41

Methacrylonitrile

Concen: 10.288 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 38186

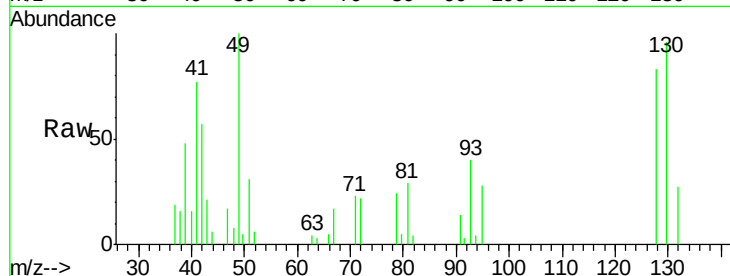
Ion Ratio Lower Upper

41 100

39 62.1 34.1 51.1#

67 21.4 23.8 35.6#

52 7.5 8.8 13.2#

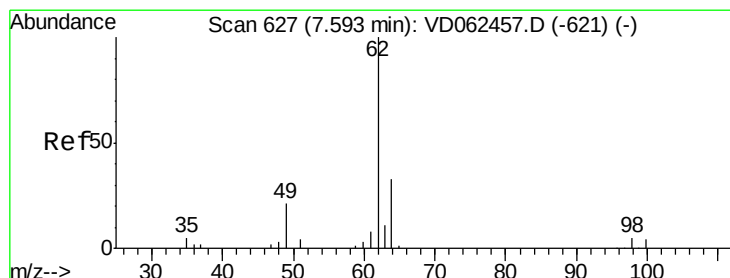
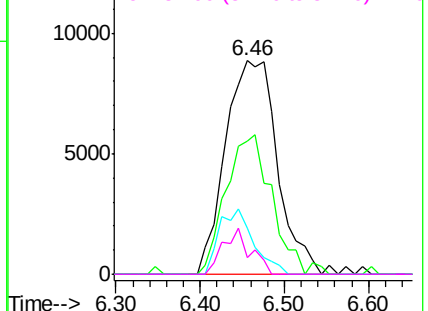
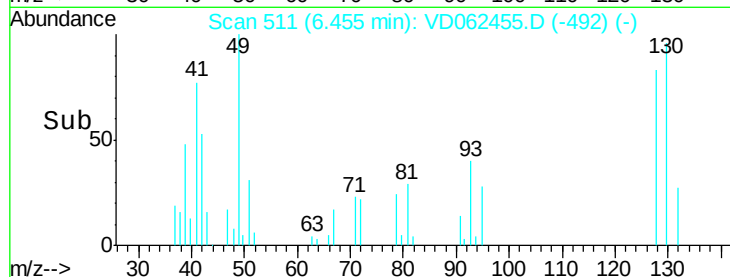


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 11.877 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062455.D

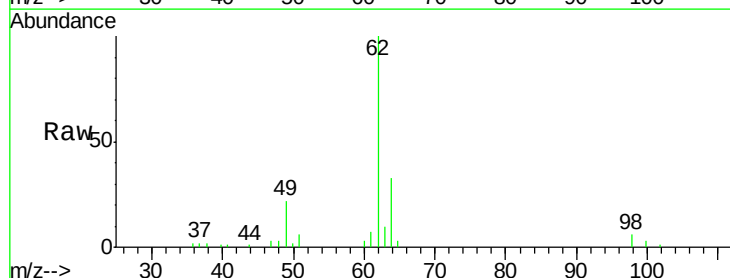
Acq: 20 May 2019 14:50

Tgt Ion: 62 Resp: 81384

Ion Ratio Lower Upper

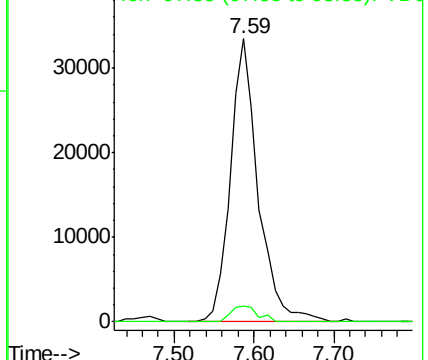
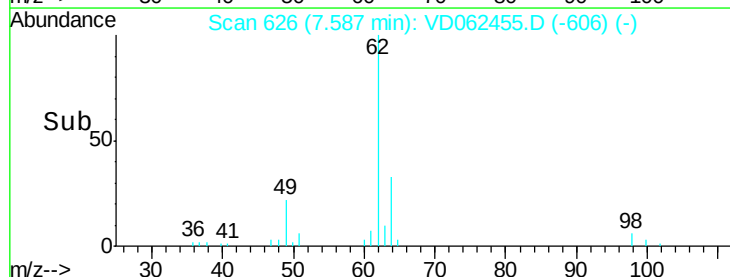
62 100

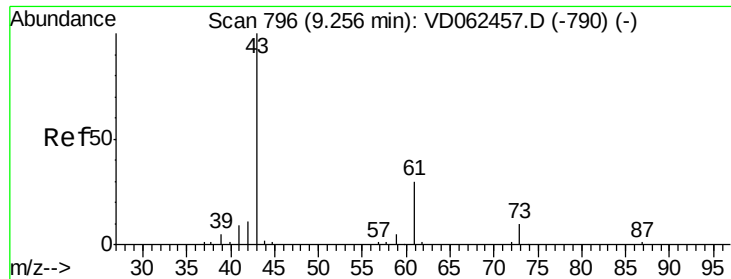
98 5.8 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.236 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

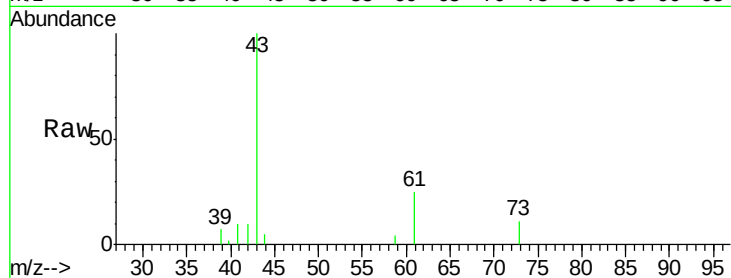
Tot Ion: 43 Resp: 39783

Ion Ratio Lower Upper

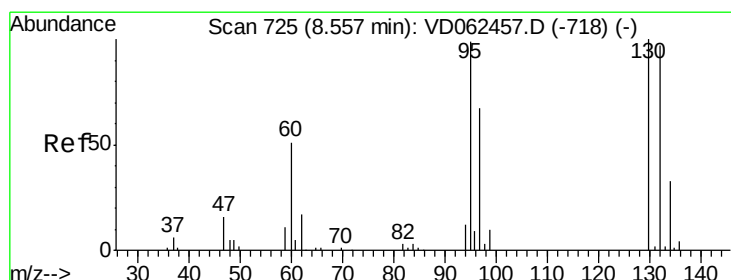
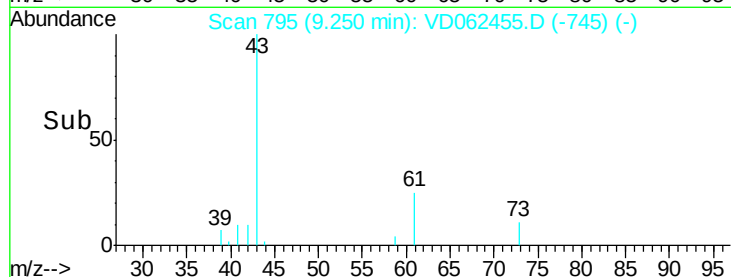
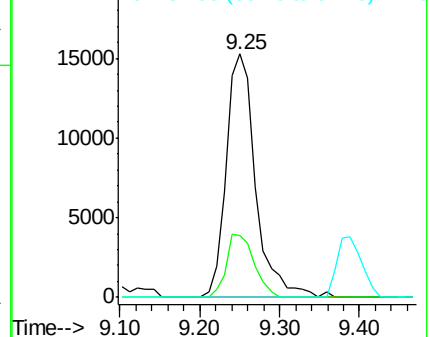
43 100

61 25.4 25.1 37.7

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 9.803 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD062455.D

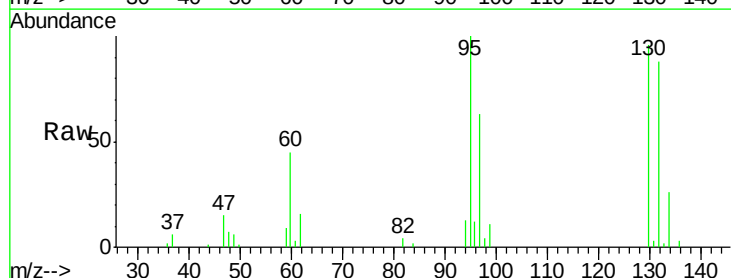
Acq: 20 May 2019 14:50

Tgt Ion: 130 Resp: 60412

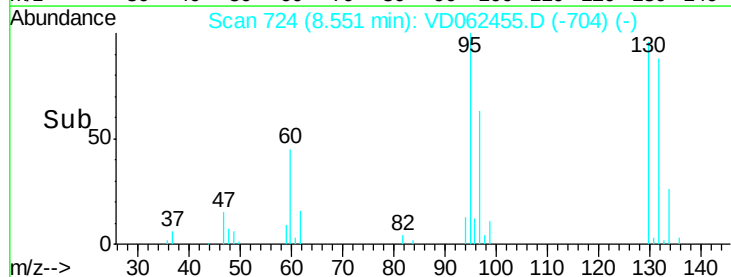
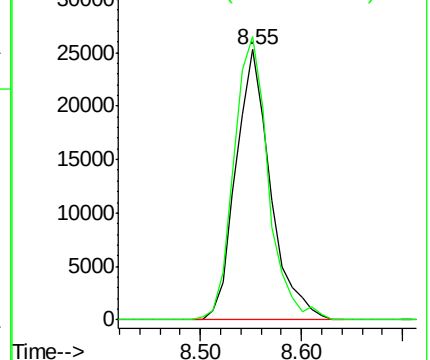
Ion Ratio Lower Upper

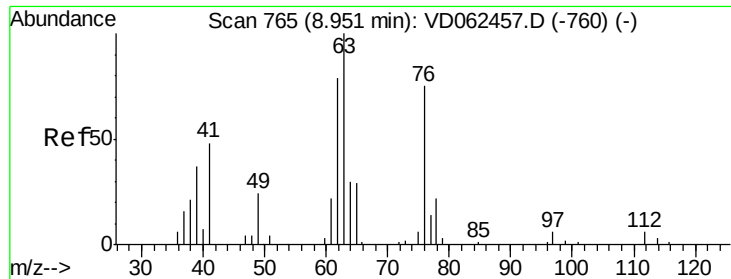
130 100

95 104.6 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 9.562 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

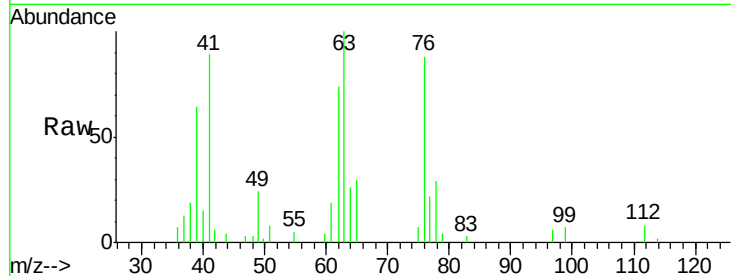
VSTDIC010

Tot Ion: 63 Resp: 38251

Ion Ratio Lower Upper

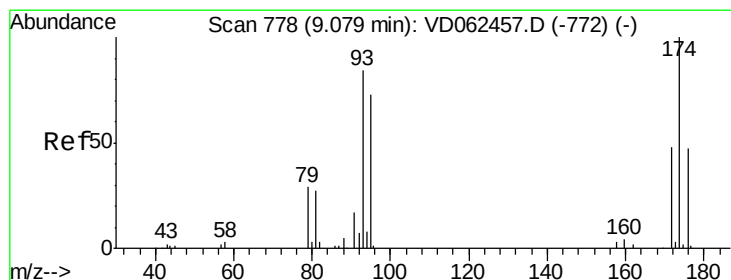
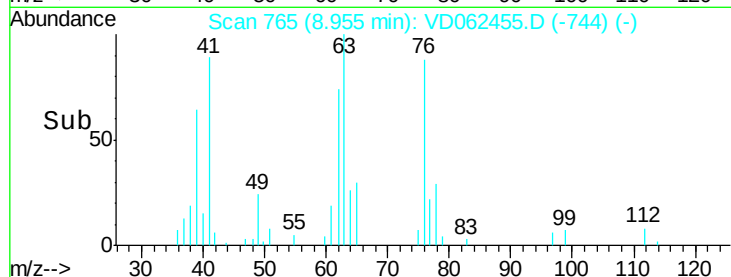
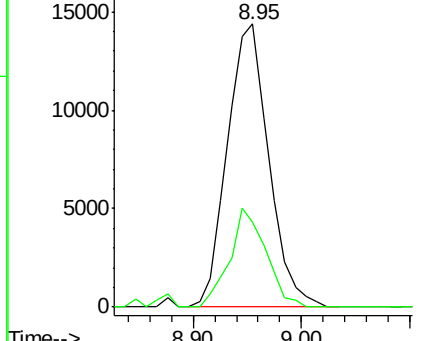
63 100

65 30.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 10.796 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

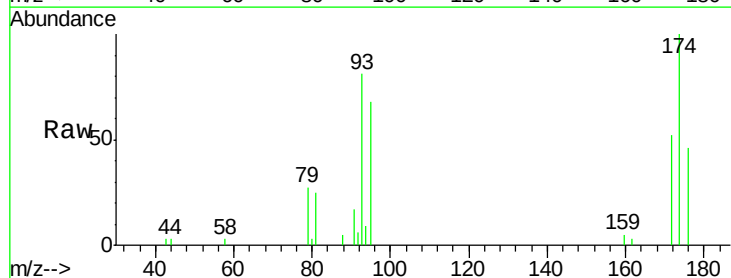
Tgt Ion: 93 Resp: 35119

Ion Ratio Lower Upper

93 100

95 83.2 64.8 97.2

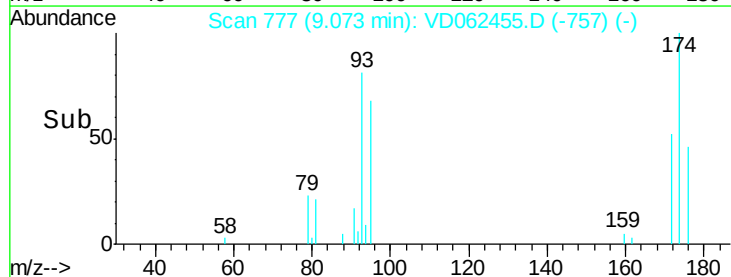
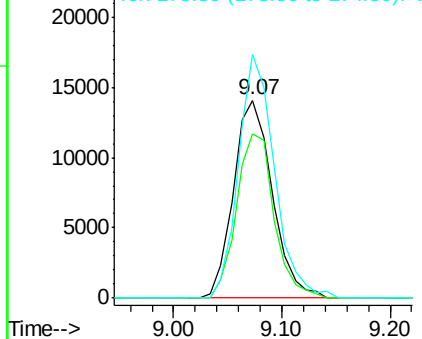
174 123.1 79.3 118.9#

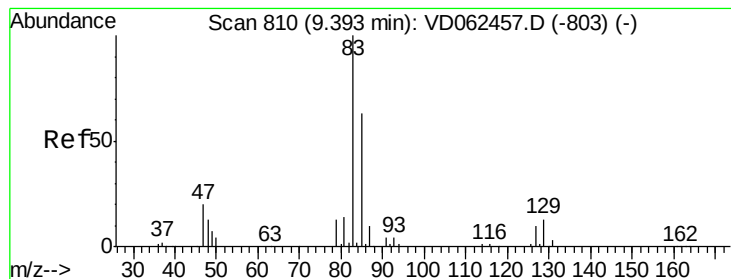


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 10.609 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

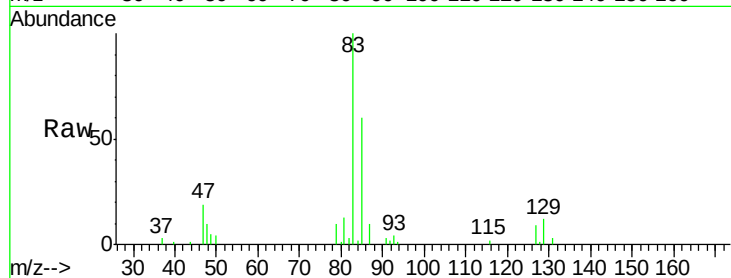
Tot Ion: 83 Resp: 84414

Ion Ratio Lower Upper

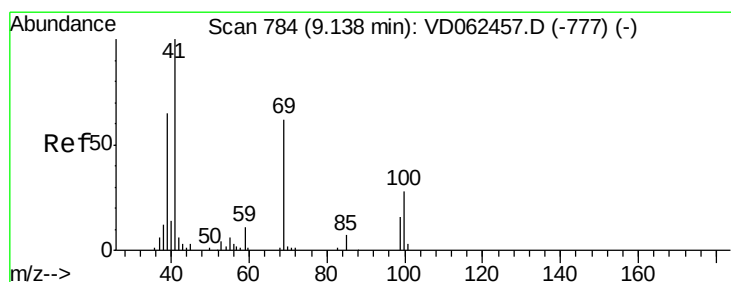
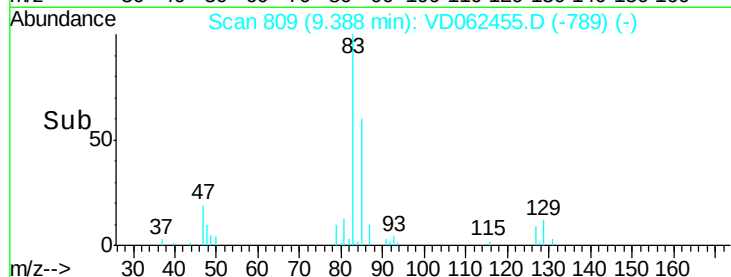
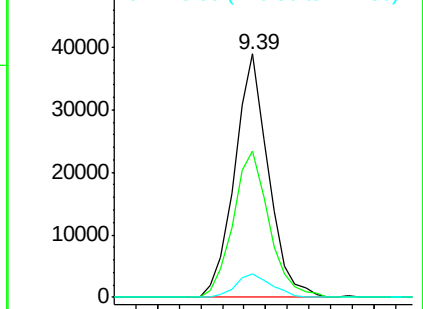
83 100

85 60.0 50.9 76.3

127 9.5 8.1 12.1



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: 10.195 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

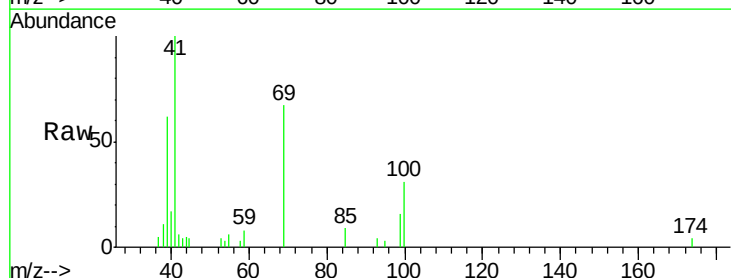
Tgt Ion: 41 Resp: 27050

Ion Ratio Lower Upper

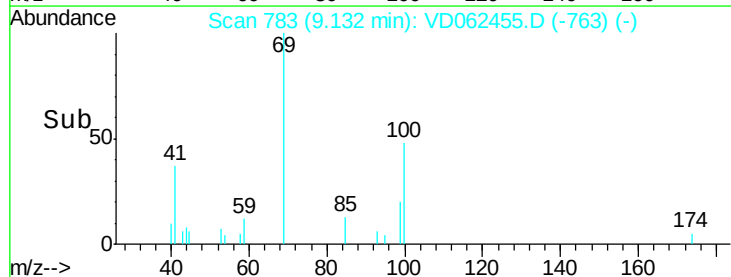
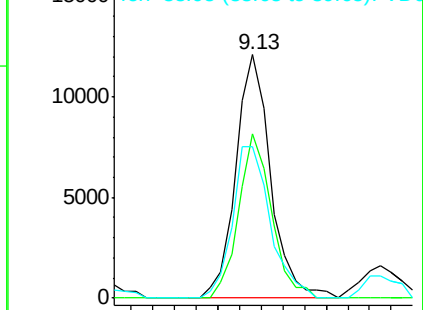
41 100

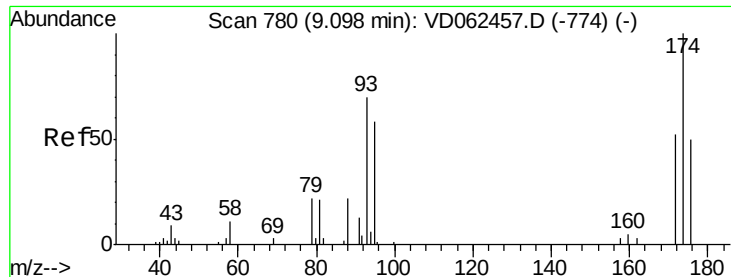
69 67.3 64.2 96.2

39 62.2 46.8 70.2



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: 160.333 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

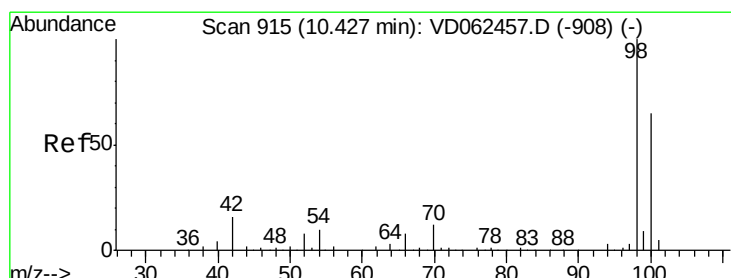
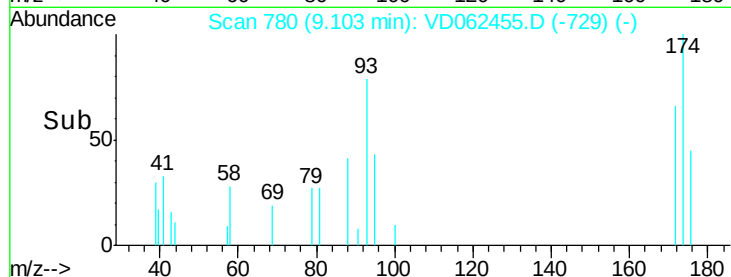
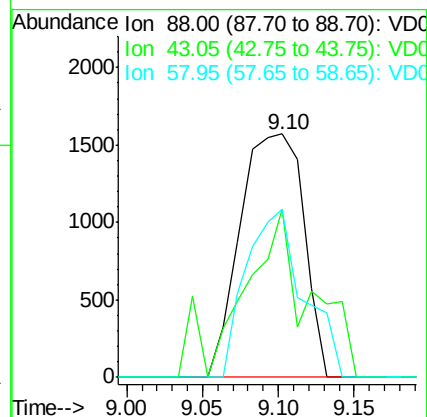
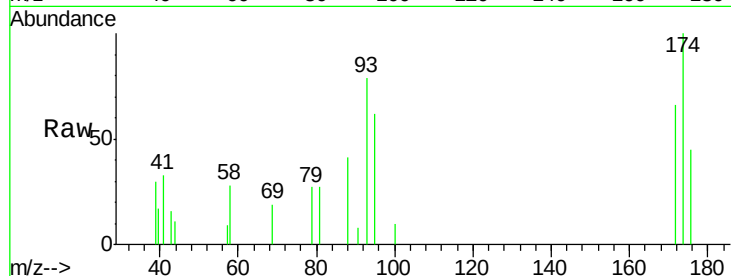
Tot Ion: 88 Resp: 4590

Ion Ratio Lower Upper

88 100

43 68.9 23.4 35.0#

58 68.9 44.0 66.0#



#50

Toluene-d8

Concen: 9.649 ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD062455.D

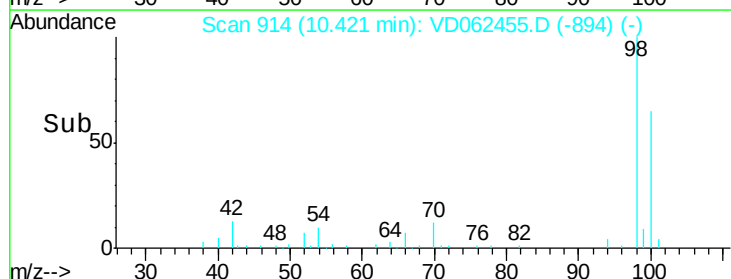
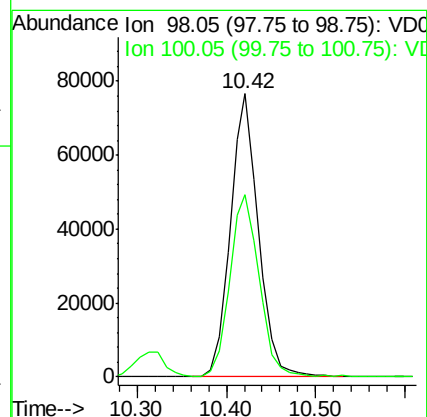
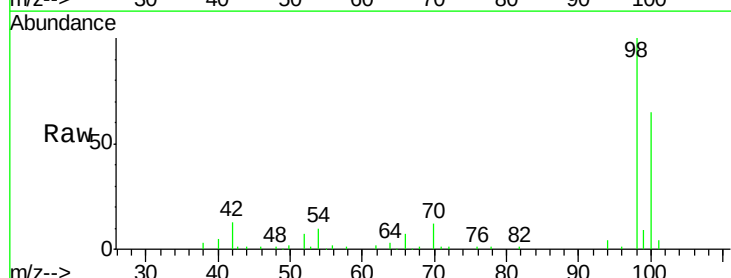
Acq: 20 May 2019 14:50

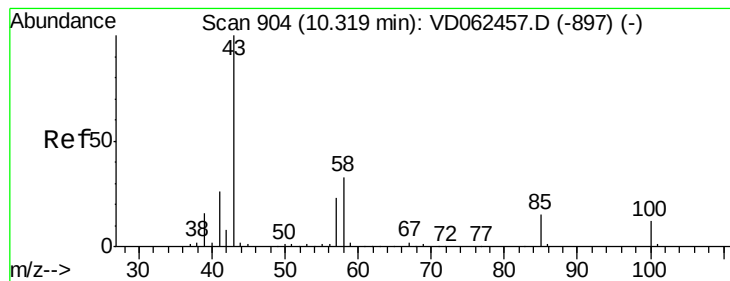
Tgt Ion: 98 Resp: 168607

Ion Ratio Lower Upper

98 100

100 64.6 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 46.669 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

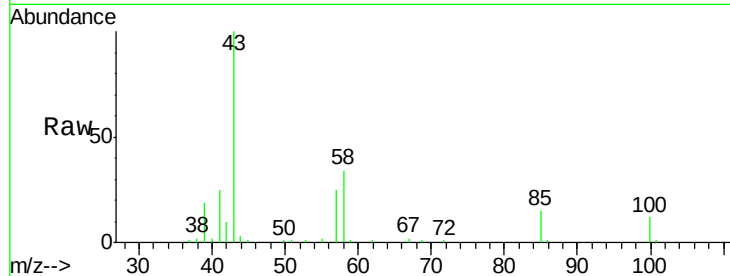
VSTDIC010

Tot Ion: 43 Resp: 129225

Ion Ratio Lower Upper

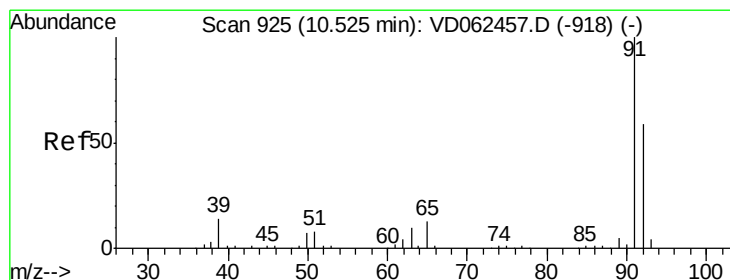
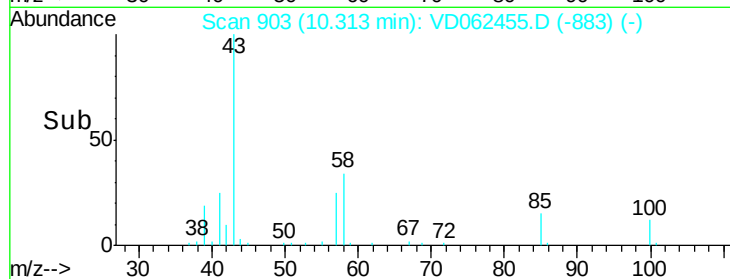
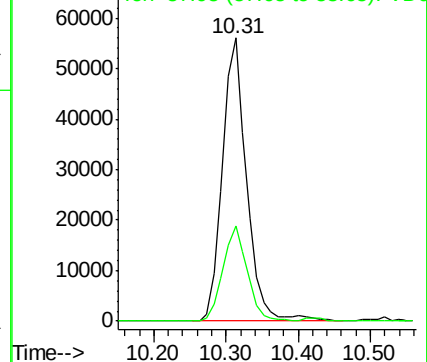
43 100

58 33.6 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.244 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD062455.D

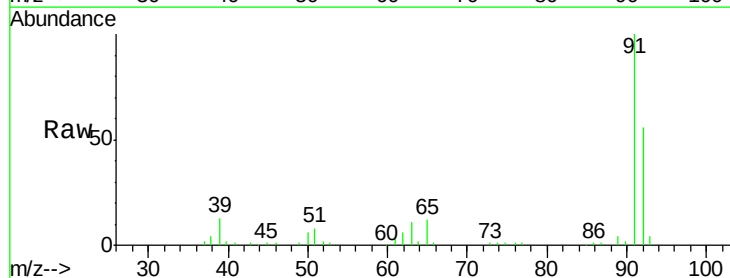
Acq: 20 May 2019 14:50

Tgt Ion: 92 Resp: 107789

Ion Ratio Lower Upper

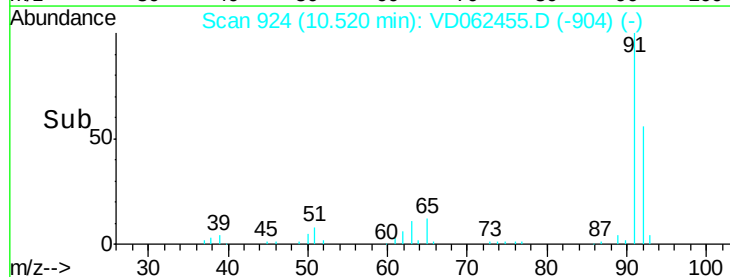
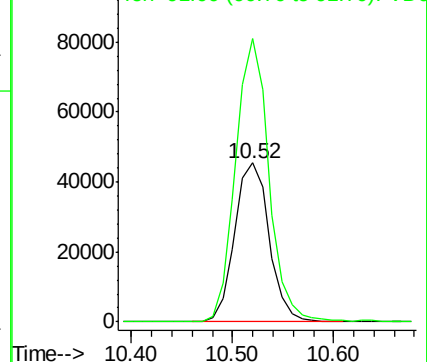
92 100

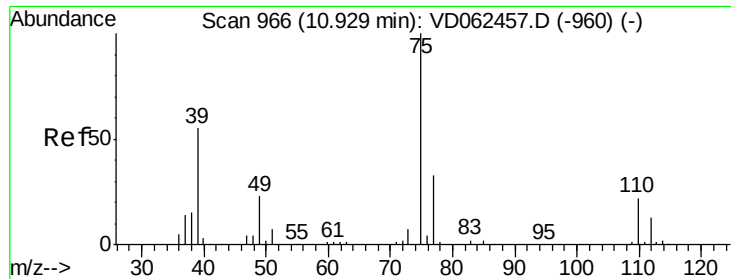
91 178.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

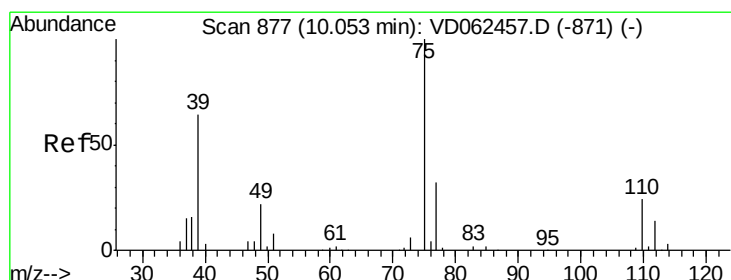
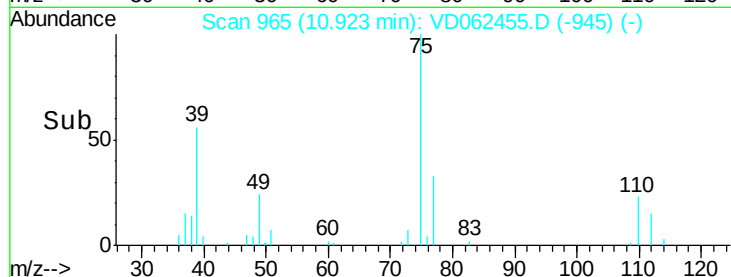
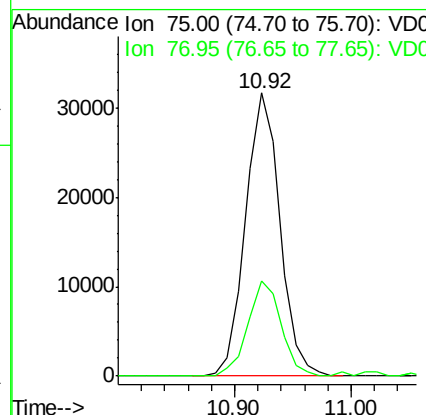
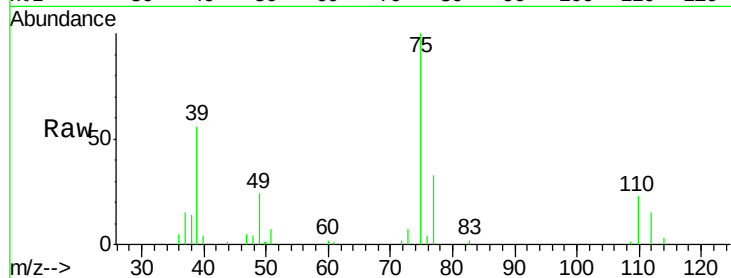




#53
 t-1,3-Dichloropropene
 Concen: 9.385 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

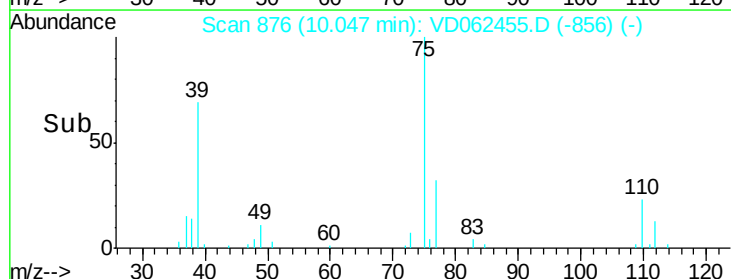
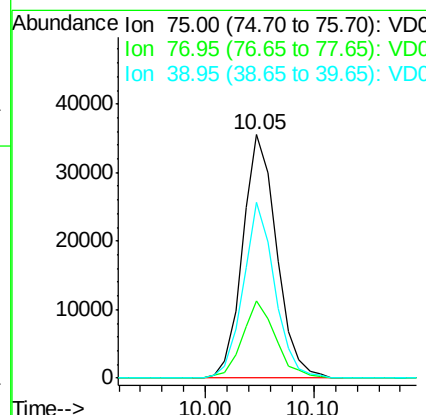
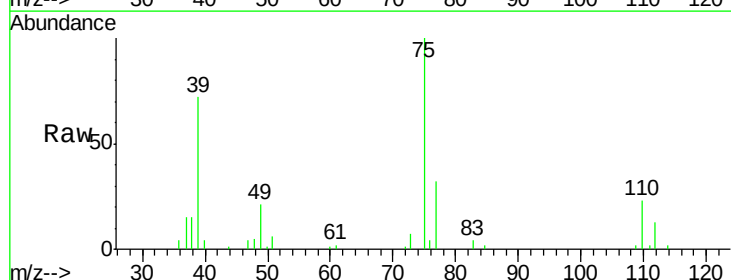
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

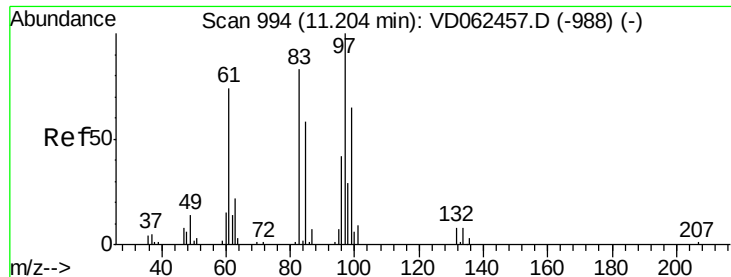
Tot Ion: 75 Resp: 64542
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 10.346 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion: 75 Resp: 77622
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 72.0 39.4 59.2#

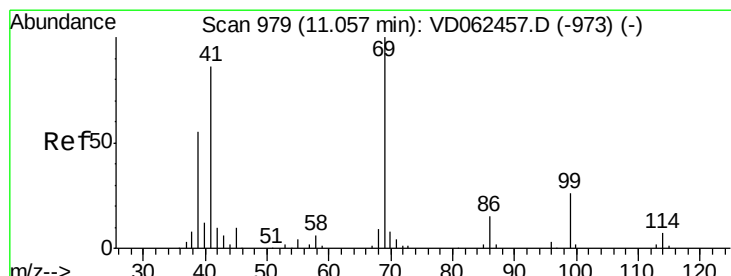
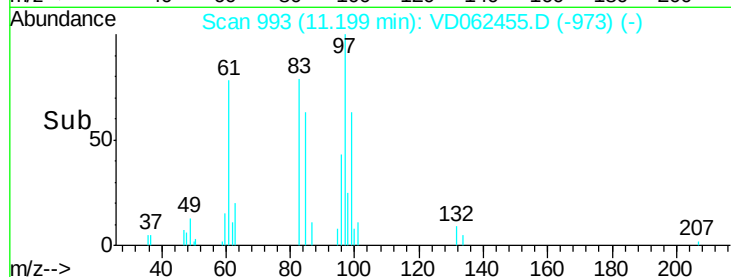
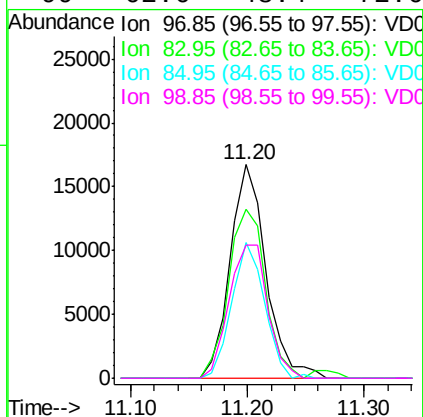
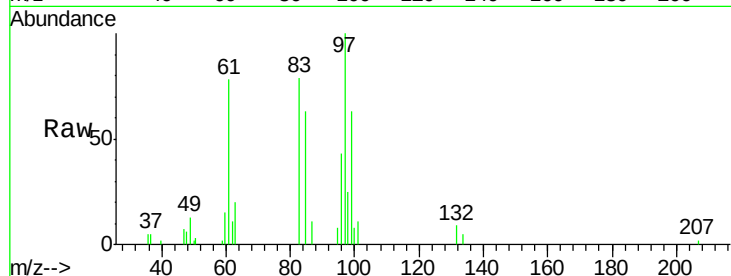




#55
 1,1,2-Trichloroethane
 Concen: 9.586 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

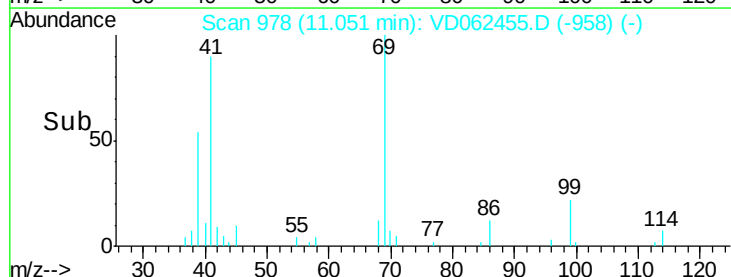
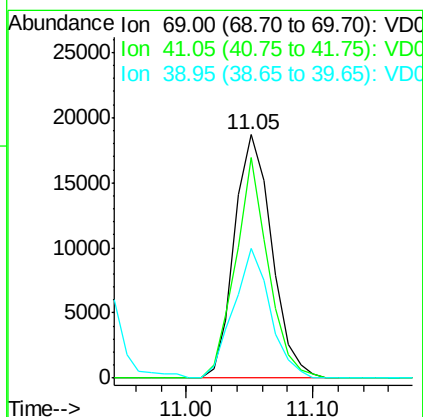
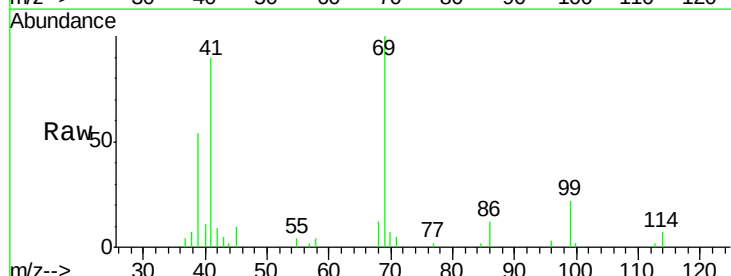
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

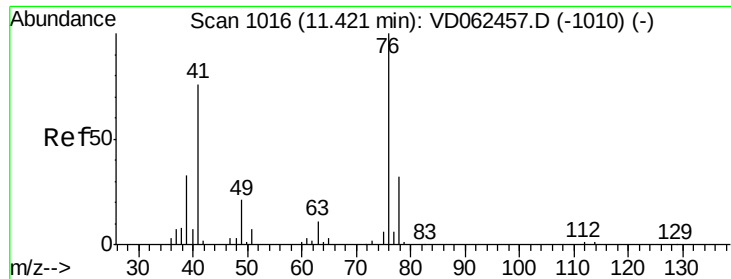
Tot Ion:	97	Resp:	35692
Ion	Ratio	Lower	Upper
97	100		
83	79.1	65.7	98.5
85	63.3	45.6	68.4
99	62.6	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 9.877 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion:	69	Resp:	38214
Ion	Ratio	Lower	Upper
69	100		
41	90.5	56.3	84.5#
39	53.5	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 9.452 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

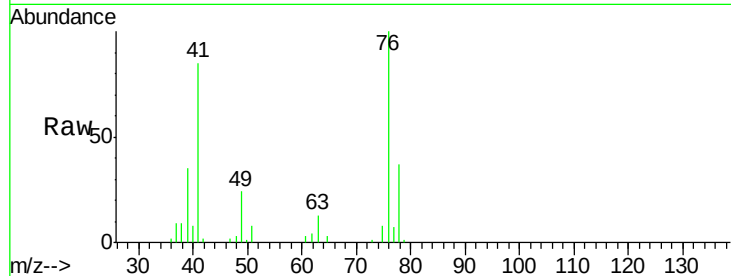
VSTDIC010

Tot Ion: 76 Resp: 53167

Ion Ratio Lower Upper

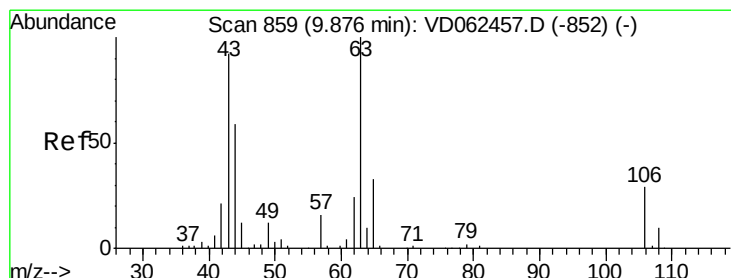
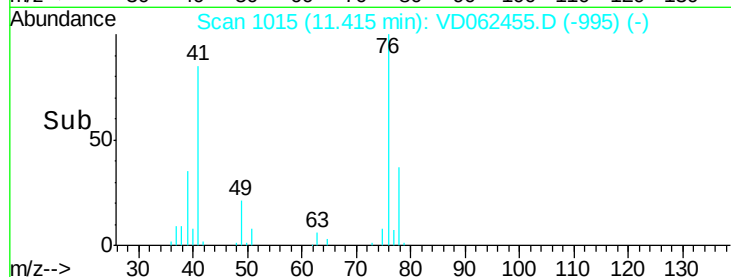
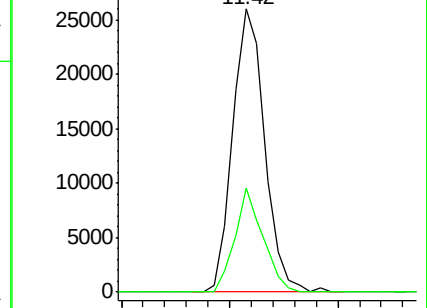
76 100

78 36.7 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 52.824 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.01 min

Lab File: VD062455.D

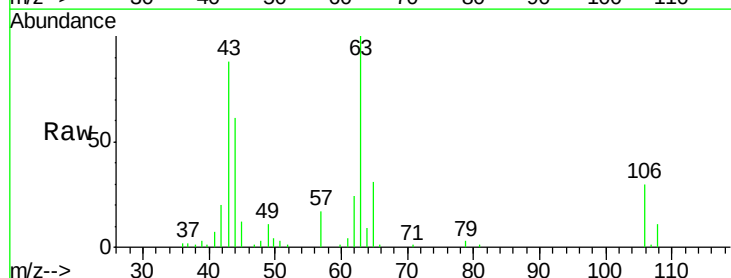
Acq: 20 May 2019 14:50

Tgt Ion: 63 Resp: 111634

Ion Ratio Lower Upper

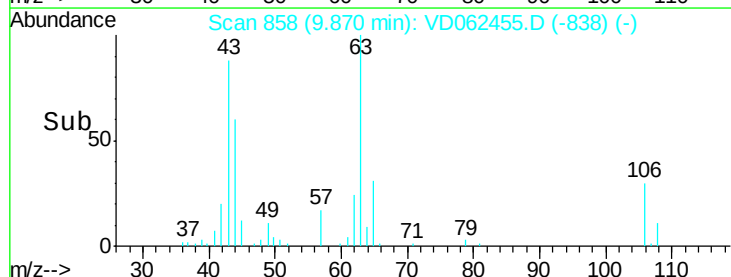
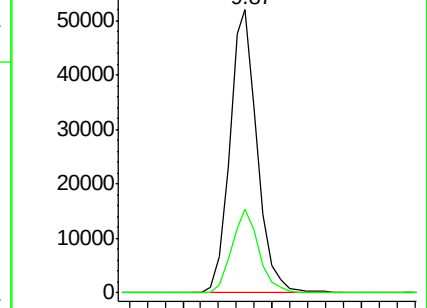
63 100

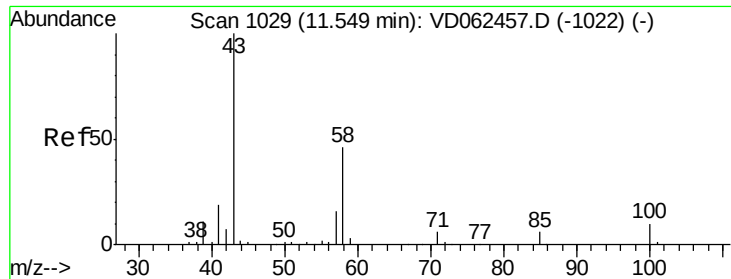
106 29.6 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

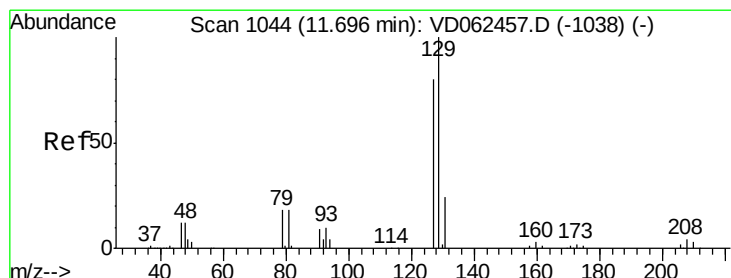
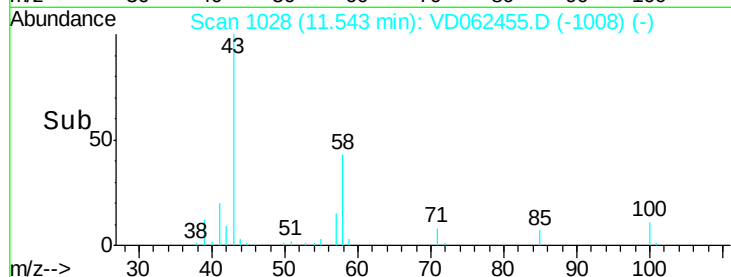
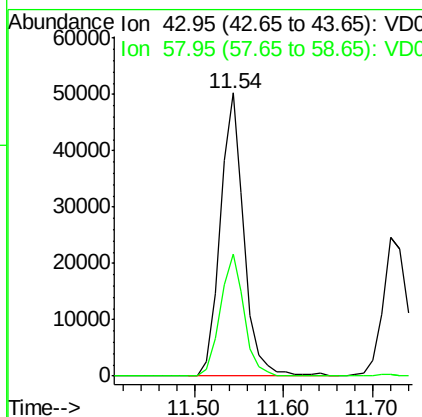
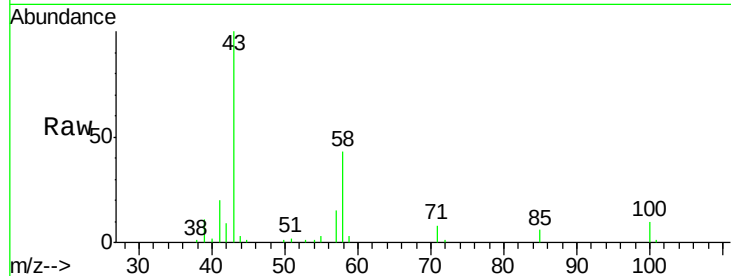




#59
2-Hexanone
Concen: 45.645 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

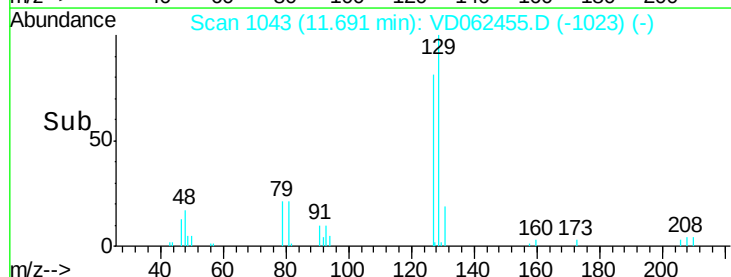
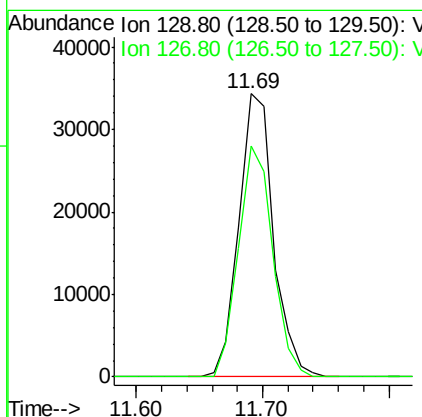
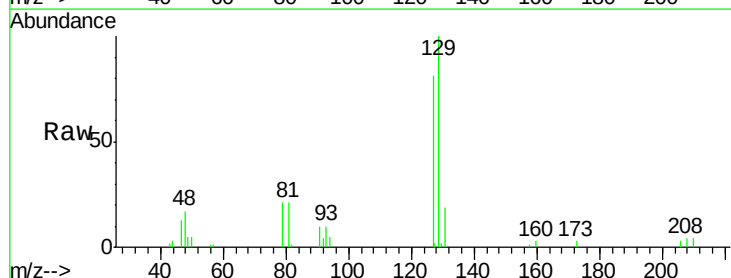
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

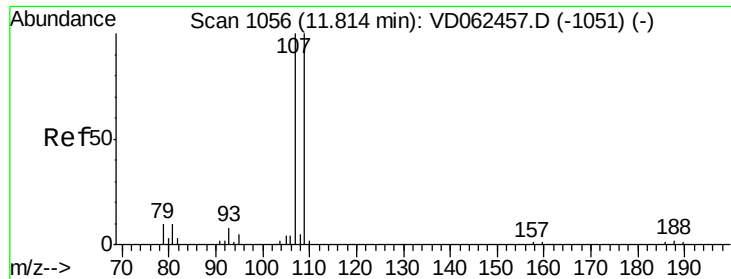
Tot Ion: 43 Resp: 93154
Ion Ratio Lower Upper
43 100
58 43.2 25.4 76.4



#60
Dibromochloromethane
Concen: 10.107 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion: 129 Resp: 65034
Ion Ratio Lower Upper
129 100
127 81.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 9.789 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

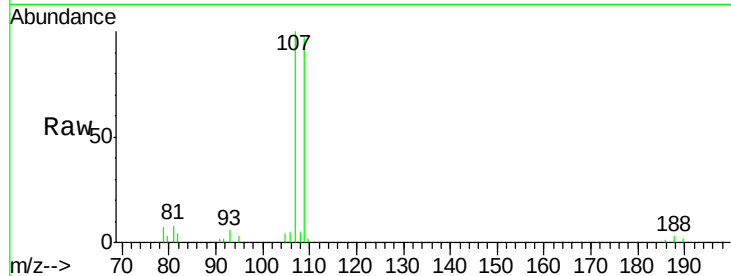
VSTDIC010

Tot Ion:107 Resp: 44310

Ion Ratio Lower Upper

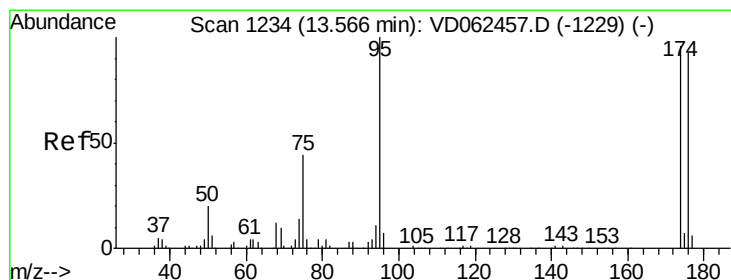
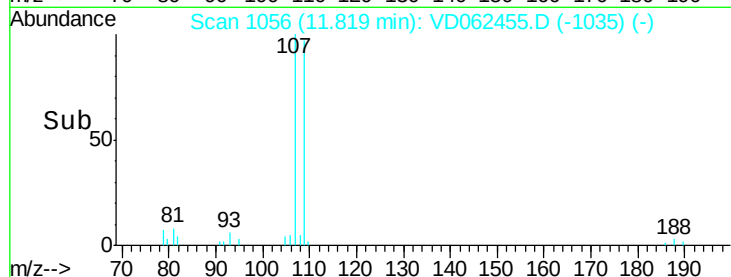
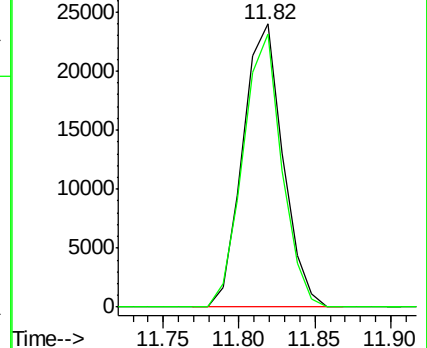
107 100

109 96.6 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 11.091 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

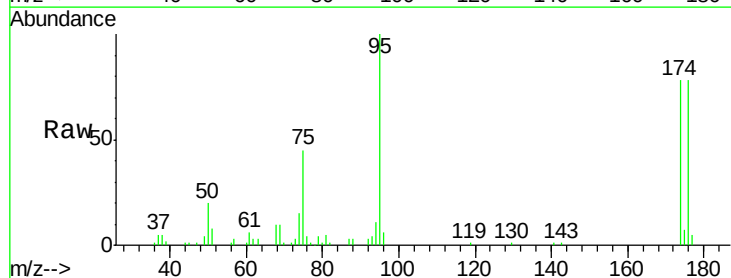
Tgt Ion: 95 Resp: 77827

Ion Ratio Lower Upper

95 100

174 78.2 0.0 181.8

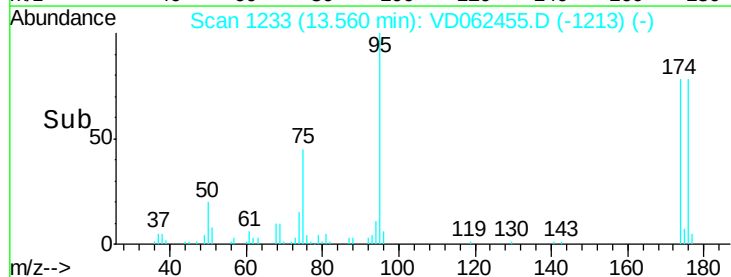
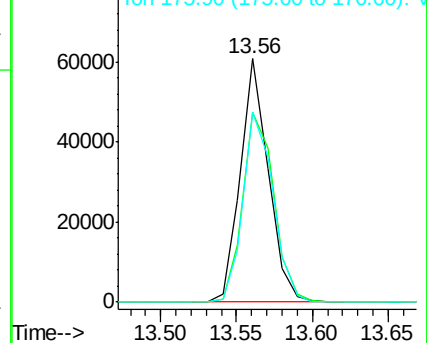
176 77.8 0.0 174.4

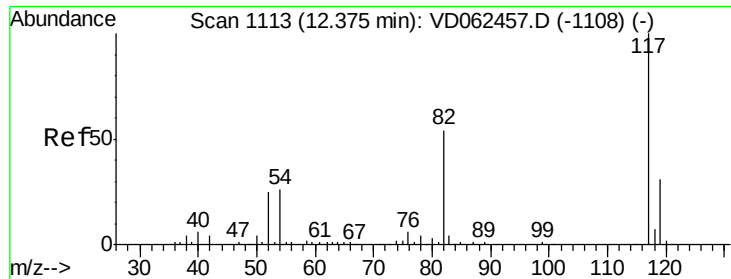


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

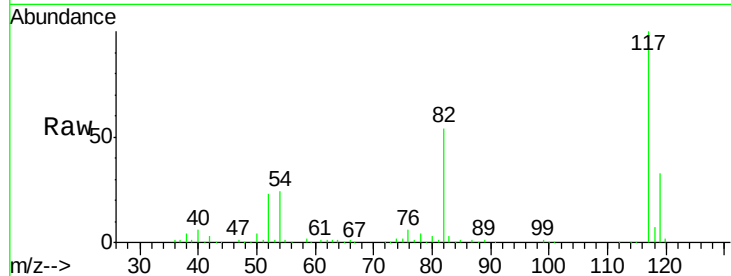




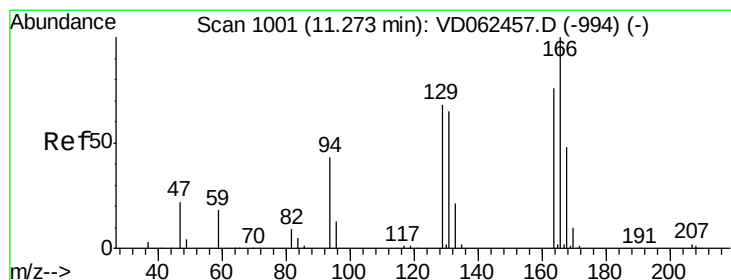
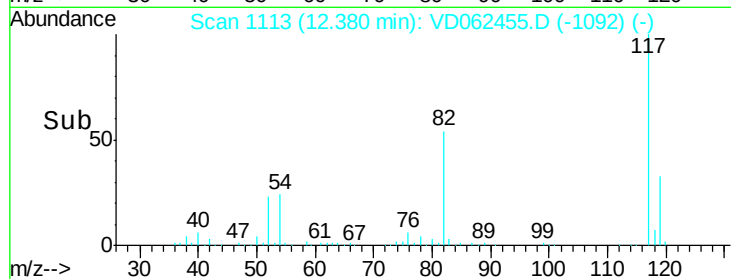
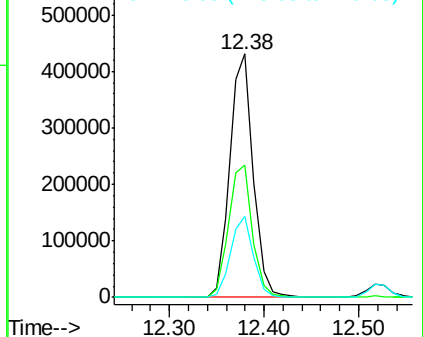
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 734211
Ion Ratio Lower Upper
117 100
82 54.2 36.2 54.2
119 33.2 26.2 39.4

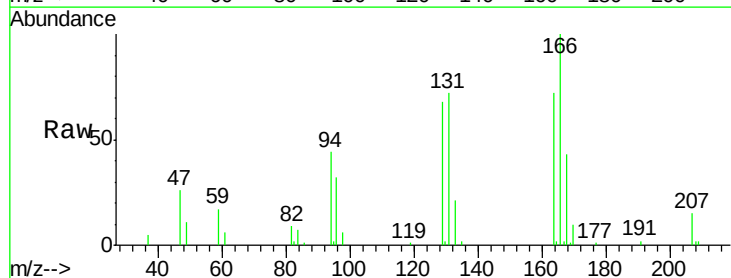


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

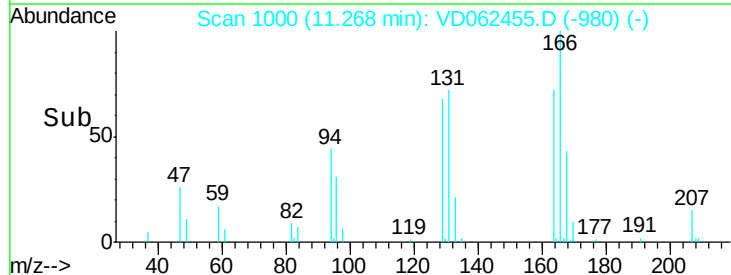
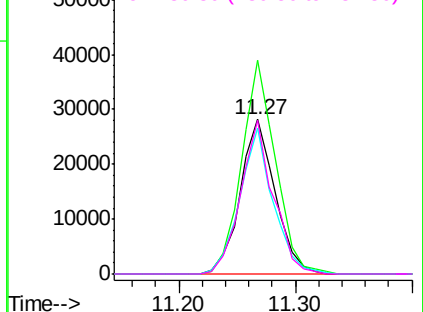


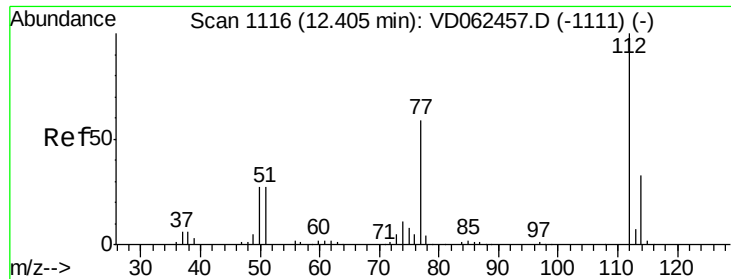
#64
Tetrachloroethene
Concen: 10.153 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion:164 Resp: 58289
Ion Ratio Lower Upper
164 100
166 138.2 101.5 152.3
129 94.2 74.6 112.0
131 99.5 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

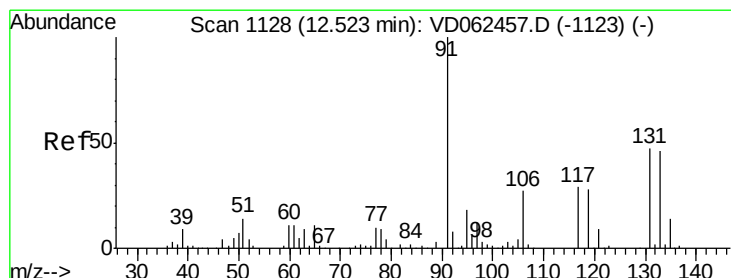
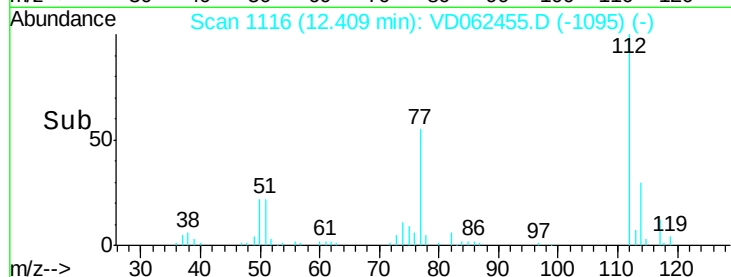
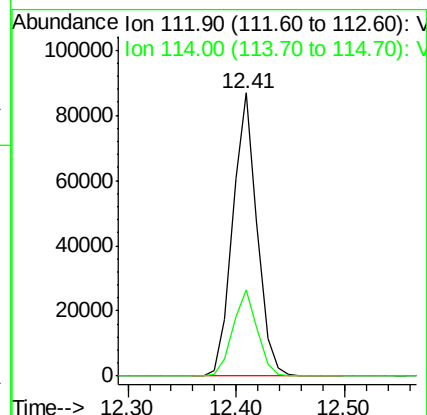
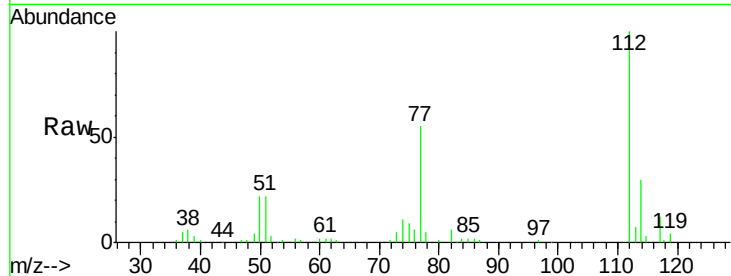




#65
Chlorobenzene
Concen: 9.909 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.00 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

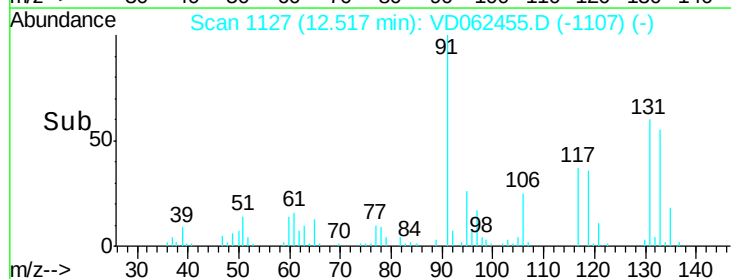
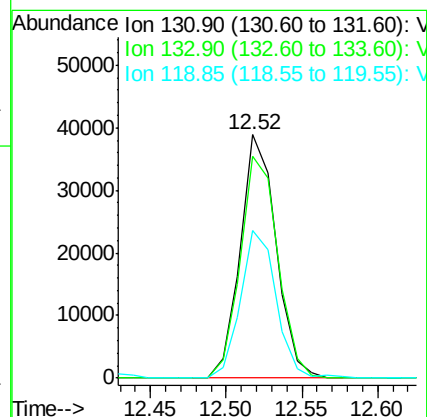
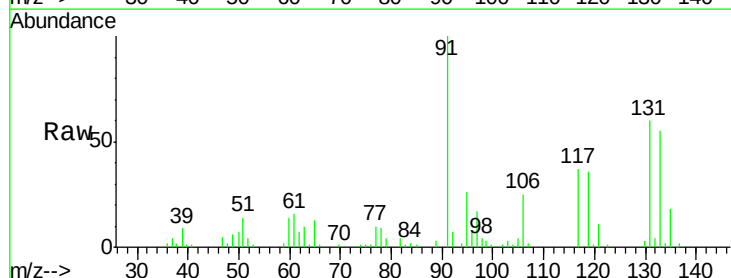
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

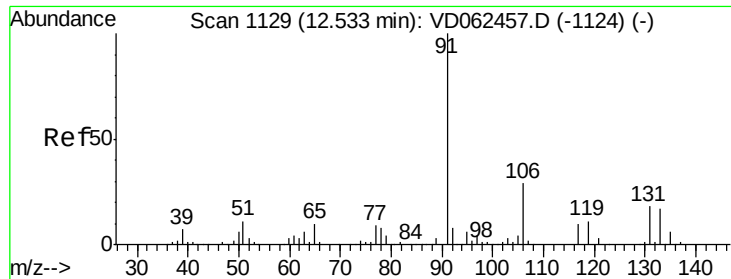
Tot Ion:112 Resp: 135509
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 10.720 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion:131 Resp: 63802
Ion Ratio Lower Upper
131 100
133 91.2 48.6 145.8
119 60.7 34.7 104.1

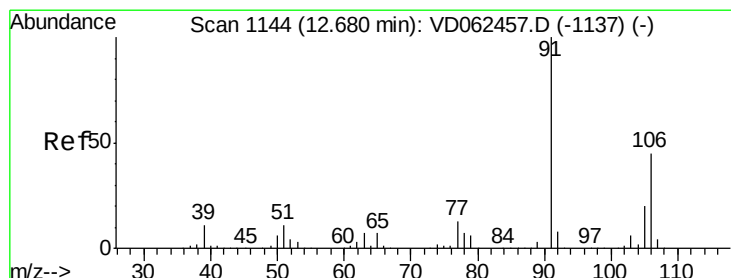
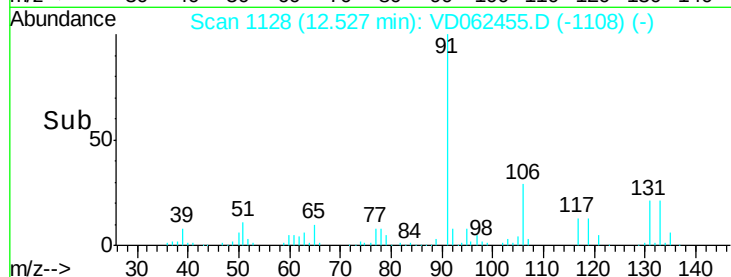
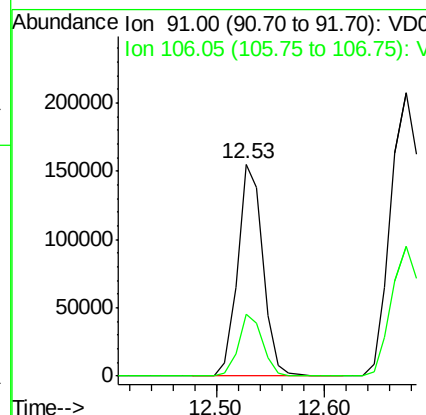
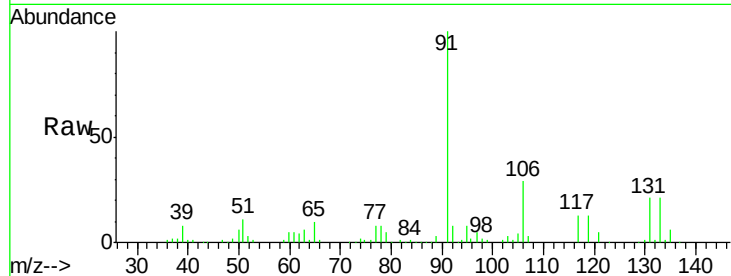




#67
Ethyl Benzene
Concen: 10.950 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

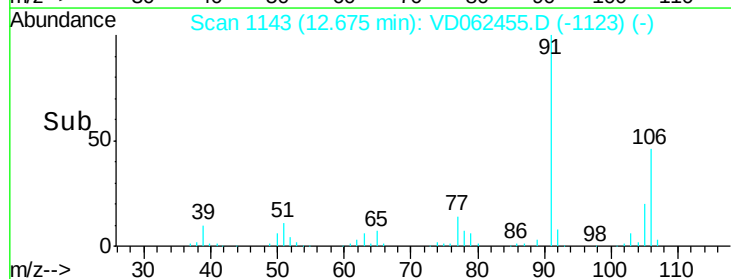
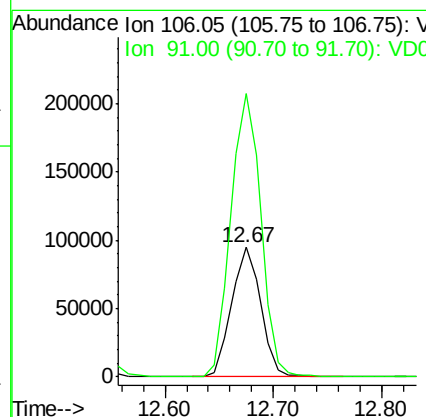
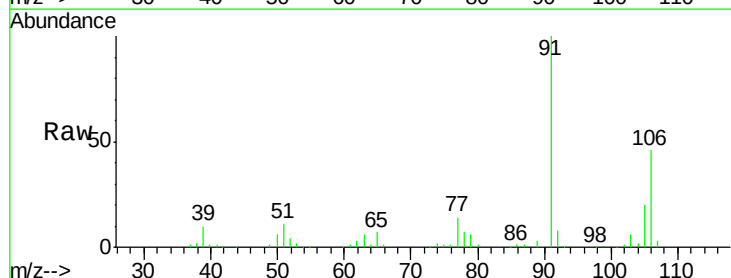
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

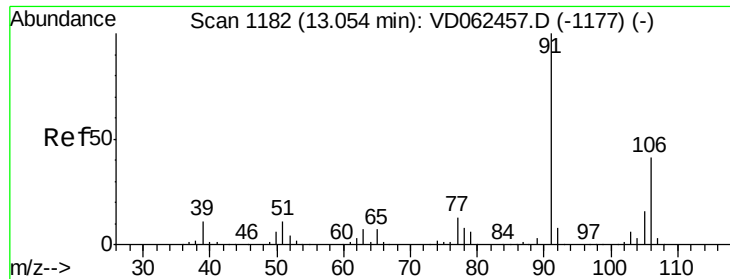
Tot Ion: 91 Resp: 250687
Ion Ratio Lower Upper
91 100
106 29.2 24.7 37.1



#68
m/p-Xylenes
Concen: 21.183 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion: 106 Resp: 176440
Ion Ratio Lower Upper
106 100
91 219.0 164.0 246.0

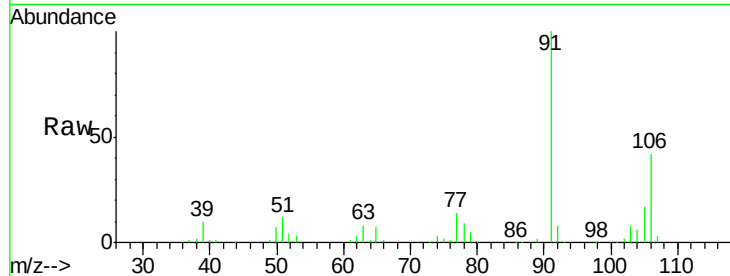




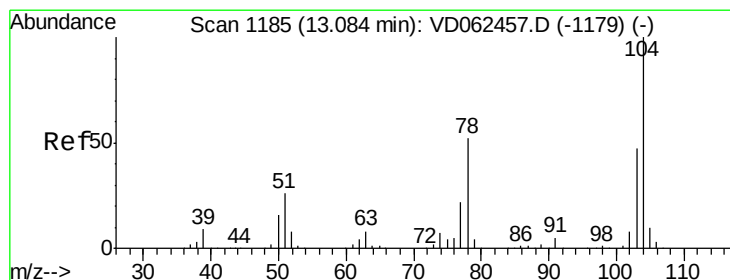
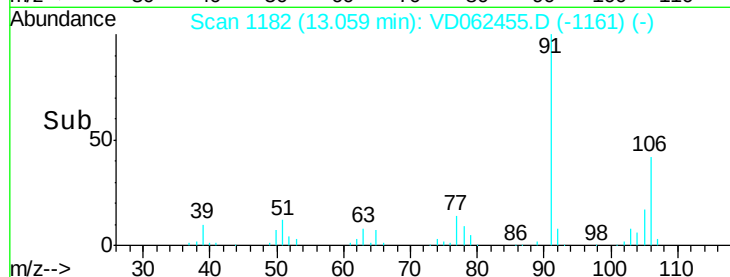
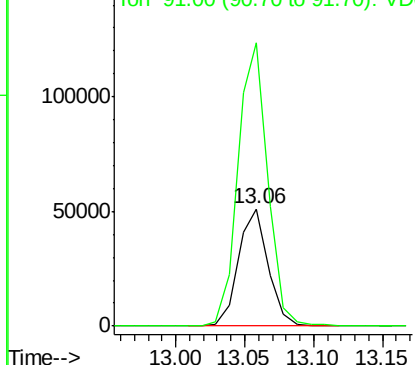
#69
o-Xylene
Concen: 10.017 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 77570
Ion Ratio Lower Upper
106 100
91 240.9 106.7 319.9

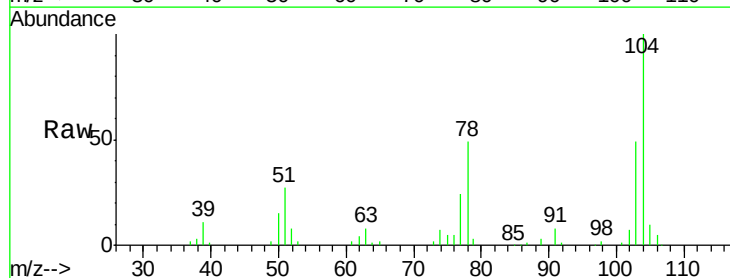


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

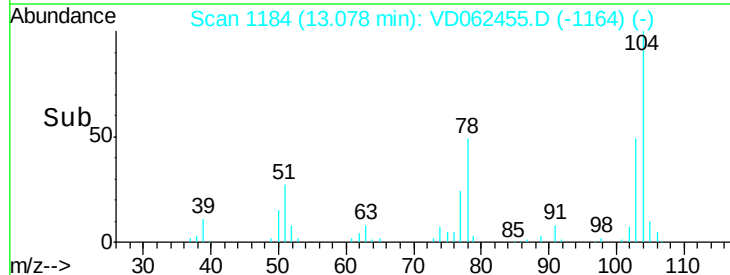
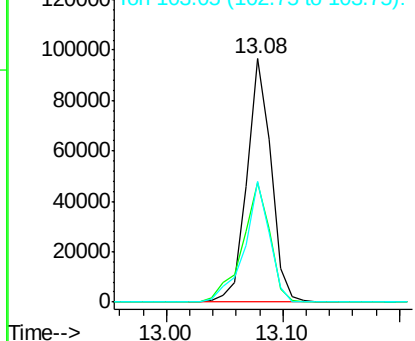


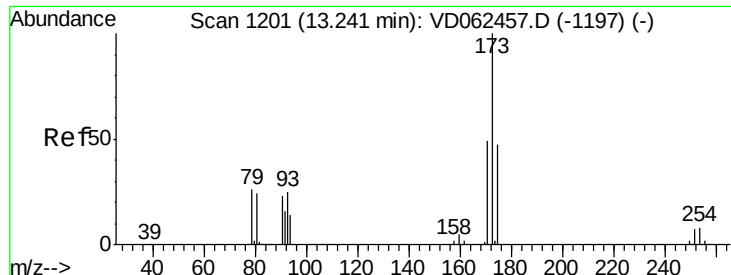
#70
Styrene
Concen: 10.544 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion:104 Resp: 138317
Ion Ratio Lower Upper
104 100
78 49.1 35.4 53.2
103 49.5 37.5 56.3



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





#71

Bromoform

Concen: 9.596 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

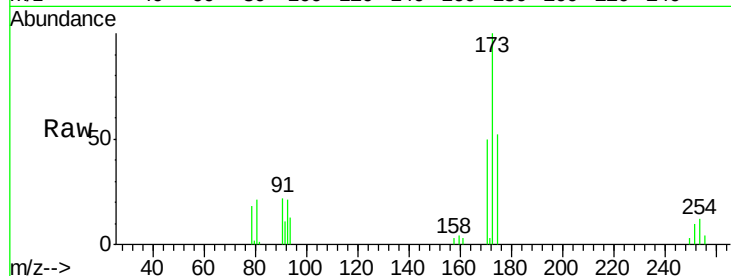
Tot Ion:173 Resp: 39733

Ion Ratio Lower Upper

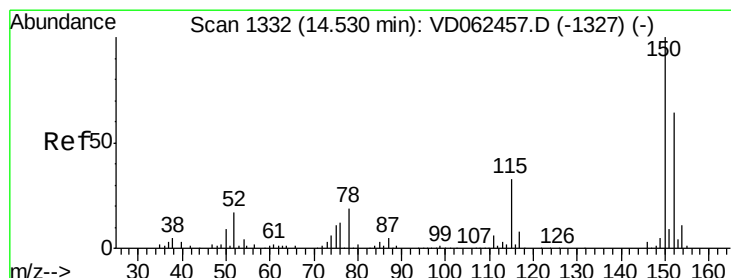
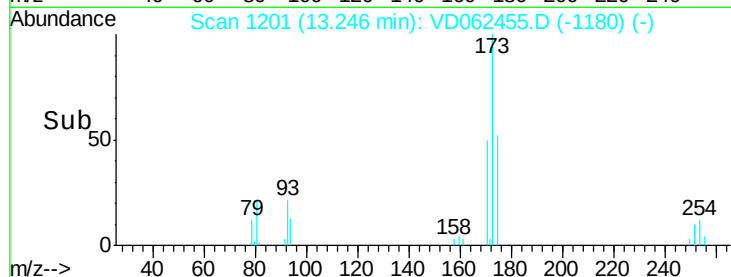
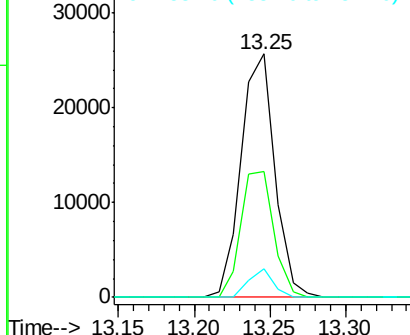
173 100

175 51.9 24.4 73.4

254 11.7 5.4 8.2#



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# 1331

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

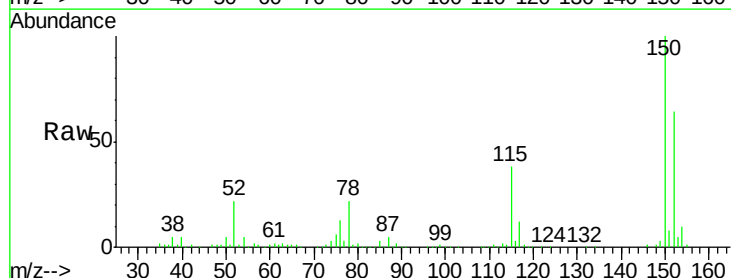
Tgt Ion:152 Resp: 391384

Ion Ratio Lower Upper

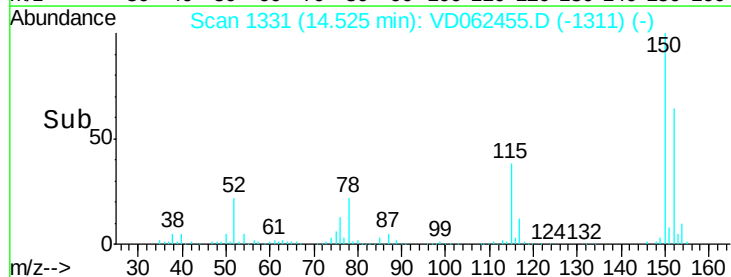
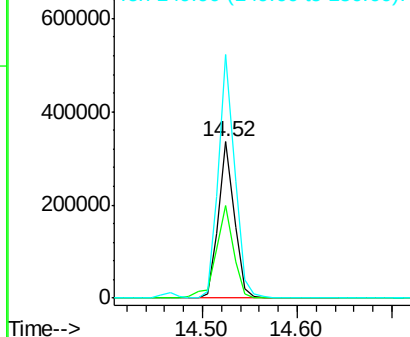
152 100

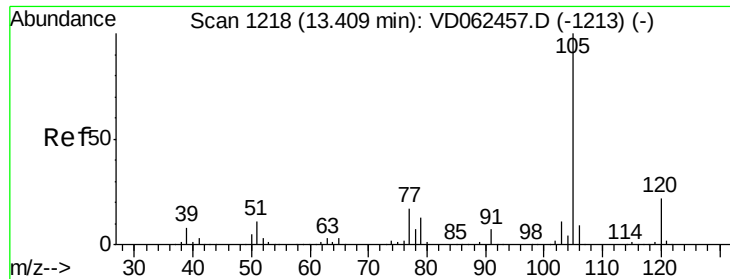
115 59.2 30.9 92.7

150 155.8 0.0 314.8



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: 10.256 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

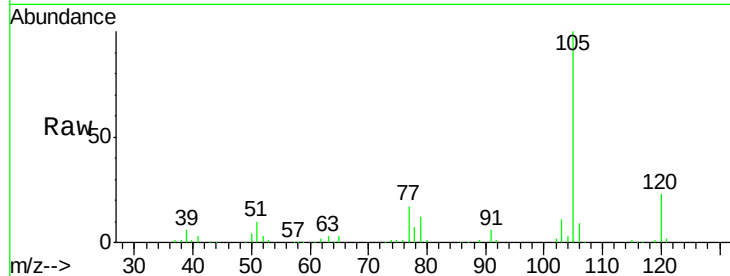
VSTDIC010

Tot Ion:105 Resp: 240614

Ion Ratio Lower Upper

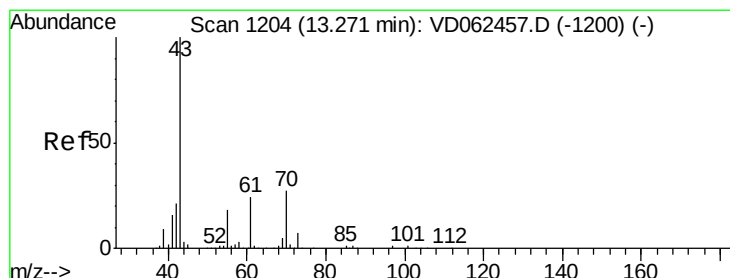
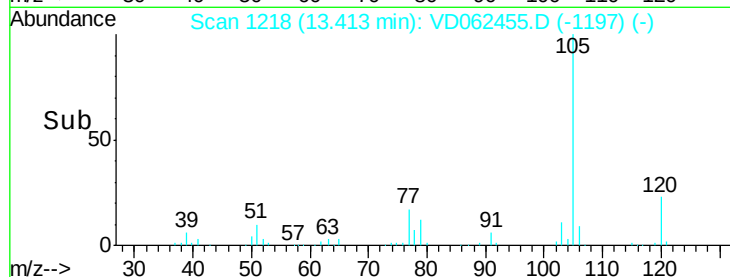
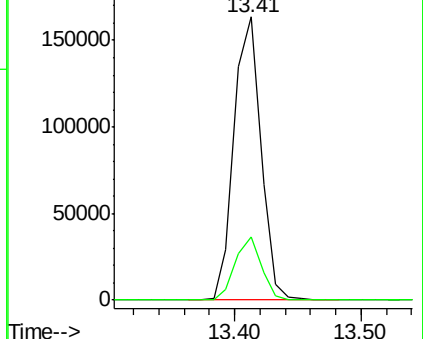
105 100

120 22.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.055 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Tgt Ion: 43 Resp: 55698

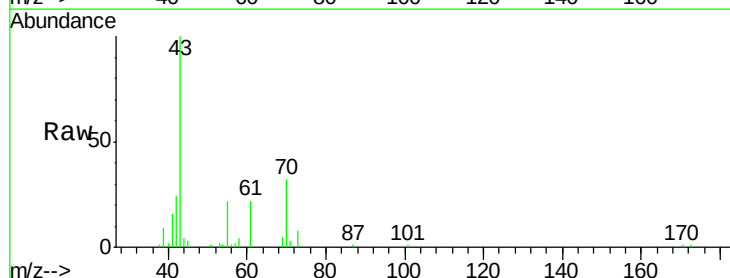
Ion Ratio Lower Upper

43 100

70 31.7 24.2 36.4

55 22.1 16.0 24.0

61 21.7 21.6 32.4

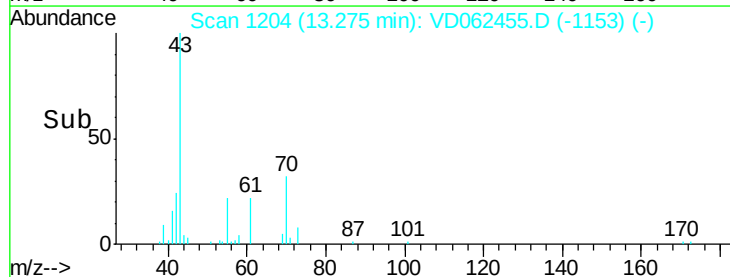
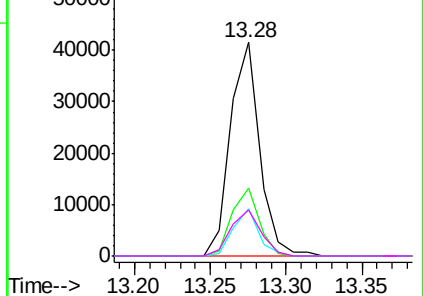


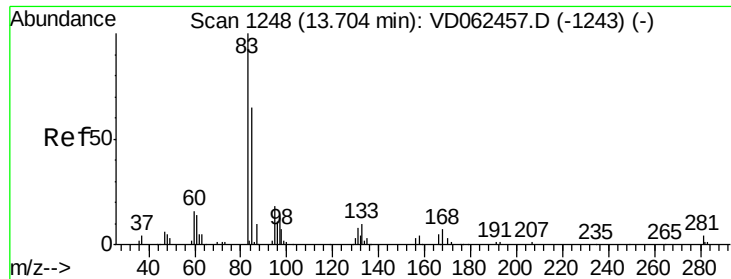
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 9.425 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

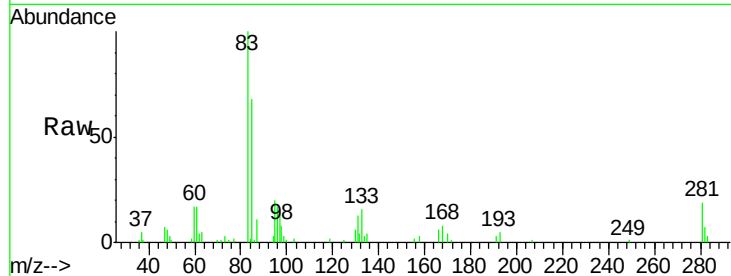
MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 41860

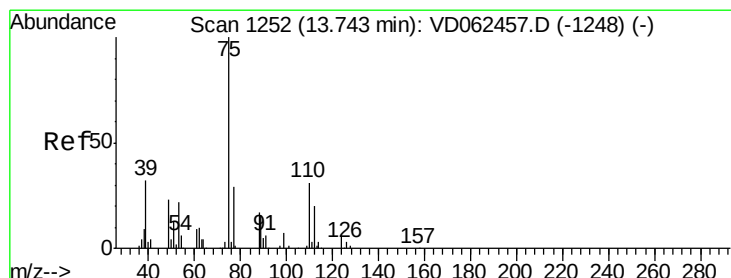
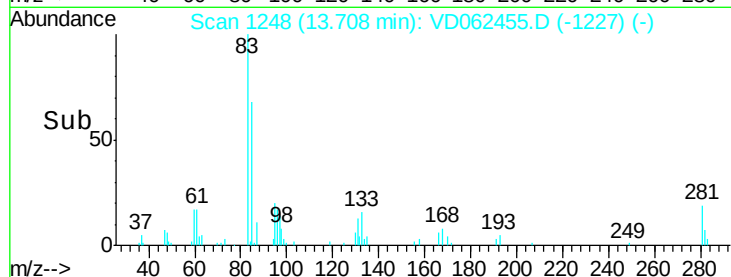
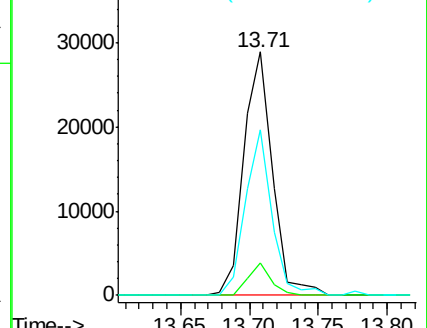
Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.0	14.9
85	69.0	32.6	97.7



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: 9.532 ug/l

RT: 13.74 min Scan# 1251

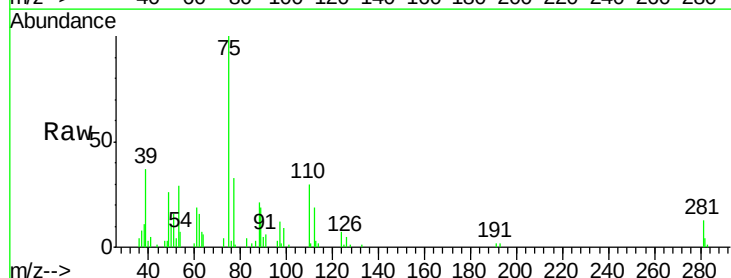
Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

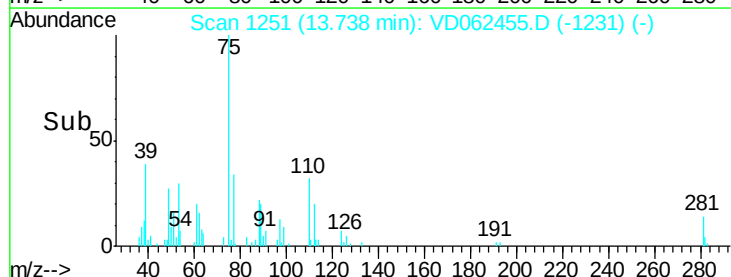
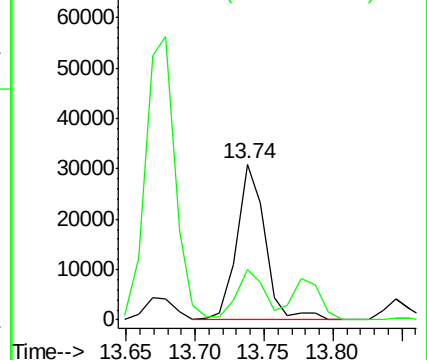
Tgt Ion: 75 Resp: 44334

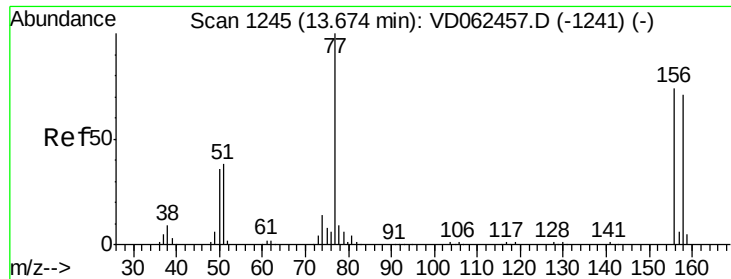
Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 9.933 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

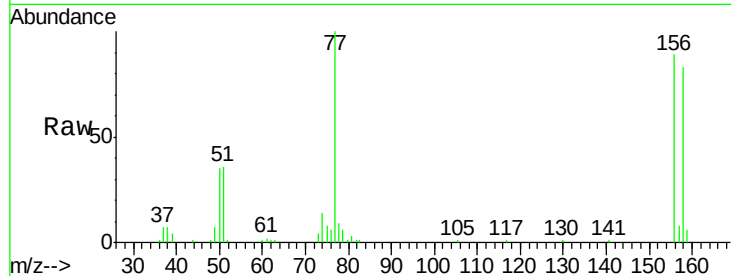
Tot Ion:156 Resp: 65236

Ion Ratio Lower Upper

156 100

77 112.5 53.1 159.4

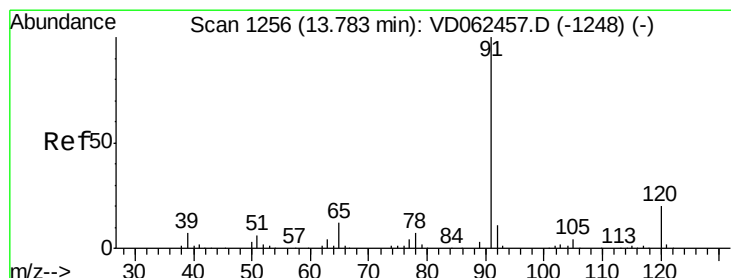
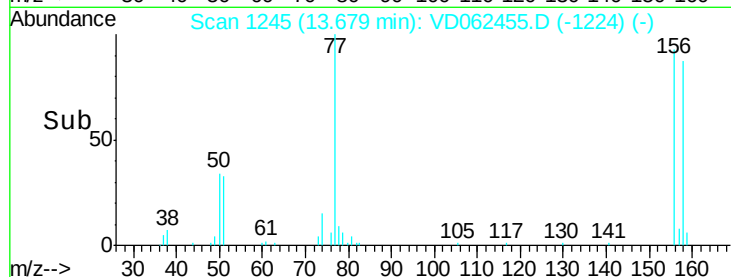
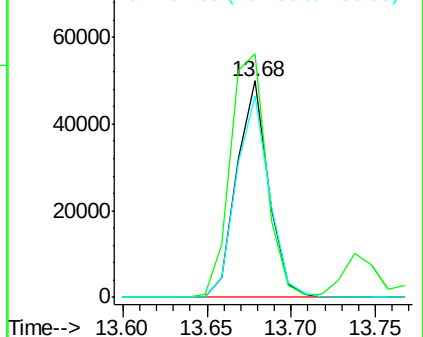
158 93.3 49.4 148.0



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: 9.896 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062455.D

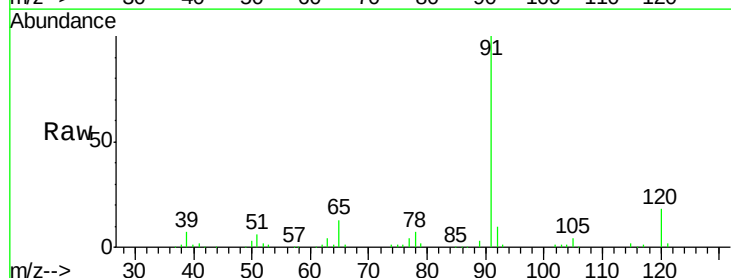
Acq: 20 May 2019 14:50

Tgt Ion: 91 Resp: 276957

Ion Ratio Lower Upper

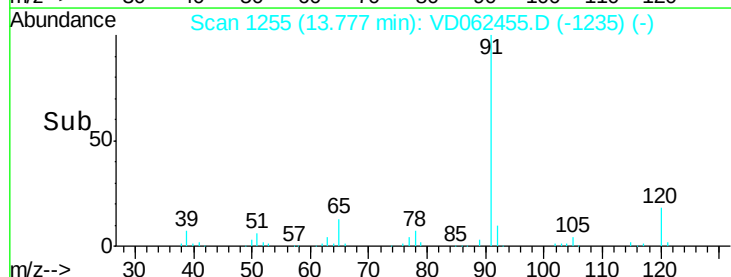
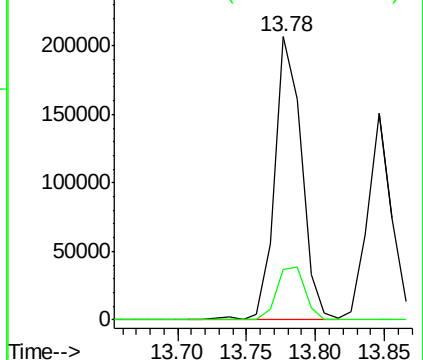
91 100

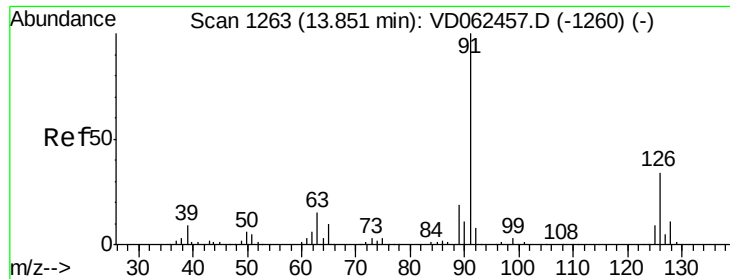
120 17.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

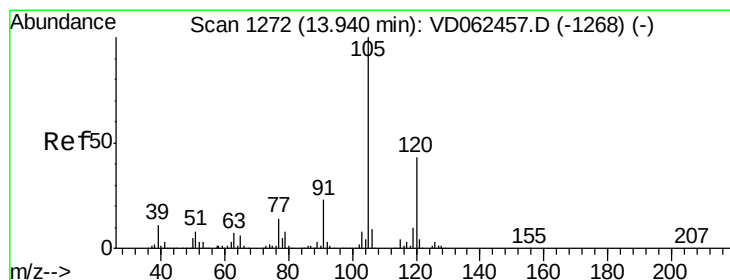
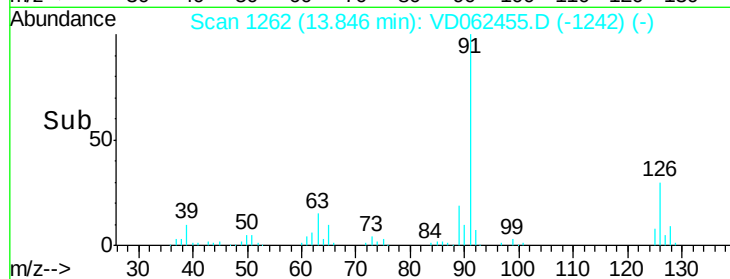
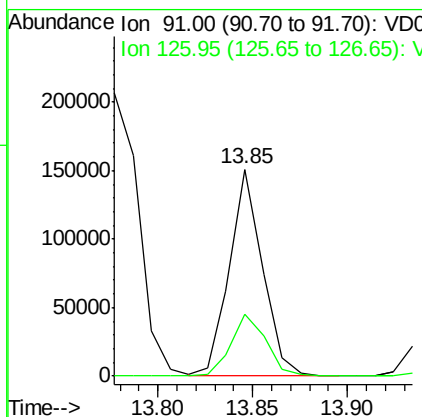
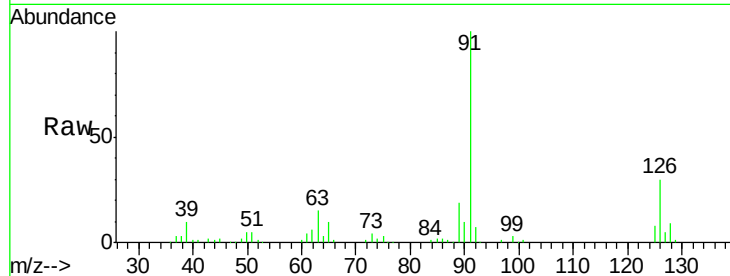




#79
 2-Chlorotoluene
 Concen: 11.418 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

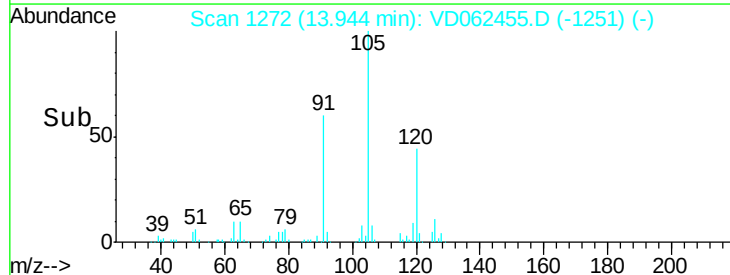
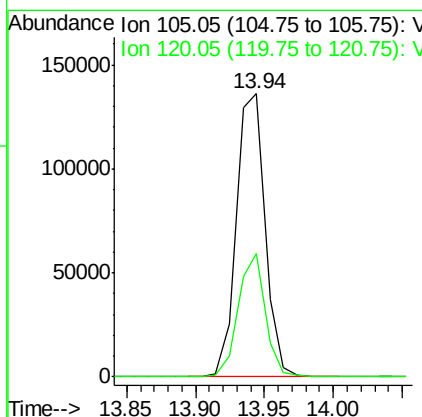
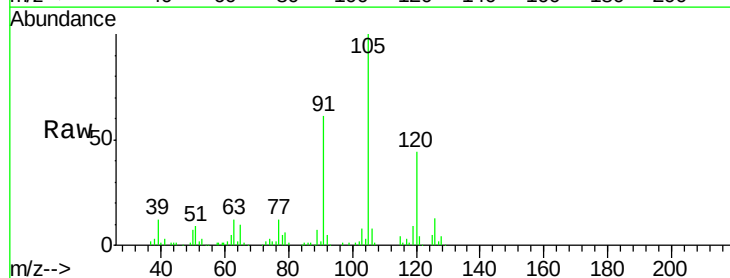
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

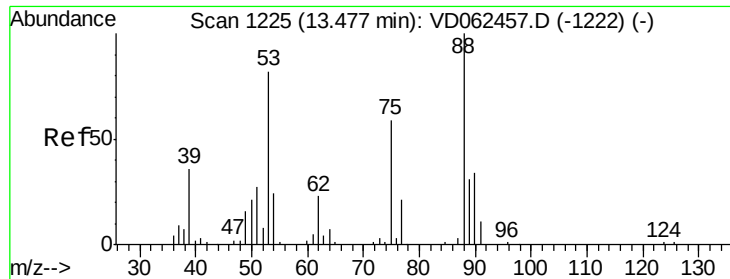
Tot Ion: 91 Resp: 183005
 Ion Ratio Lower Upper
 91 100
 126 29.8 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 10.040 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion: 105 Resp: 198358
 Ion Ratio Lower Upper
 105 100
 120 43.8 24.0 72.0

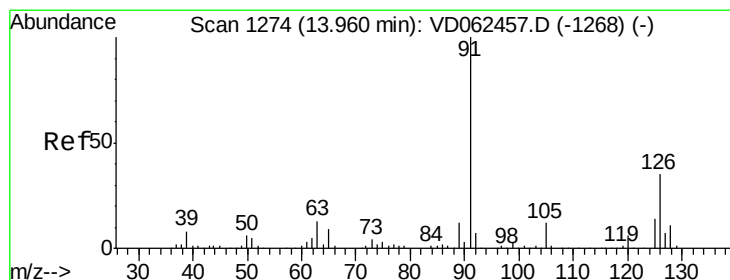
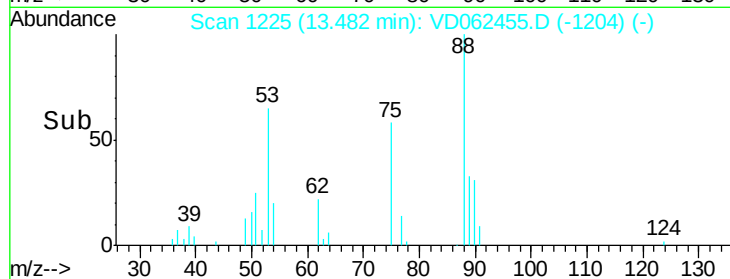
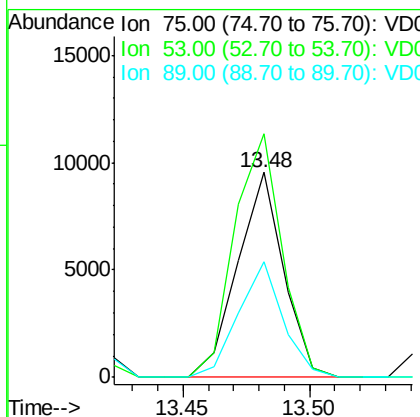
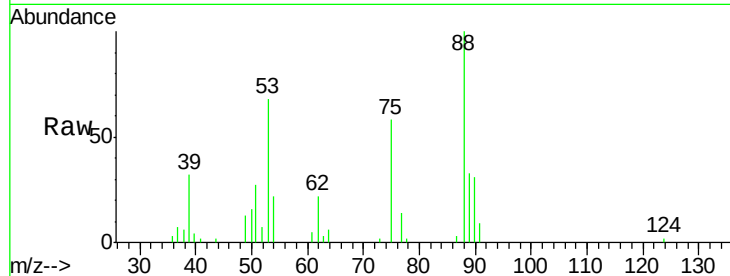




#81
trans-1,4-Dichloro-2-butene
Concen: 9.241 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

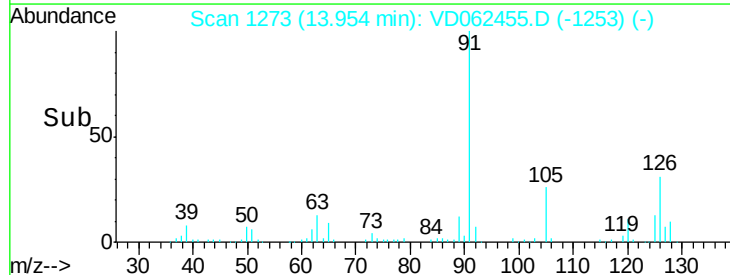
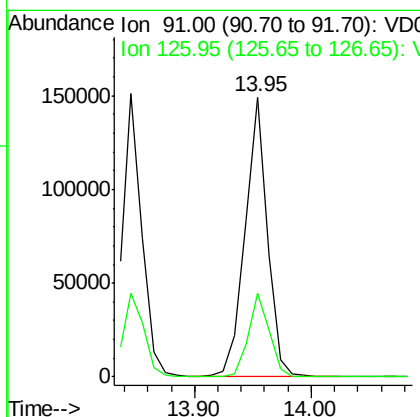
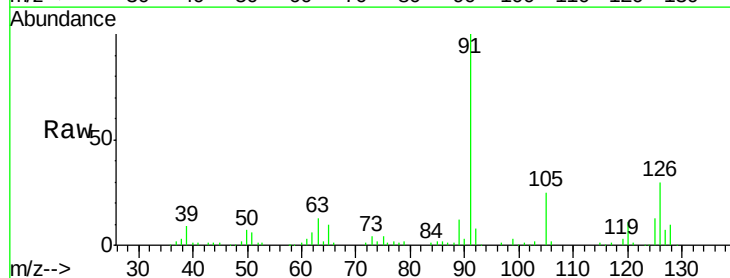
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

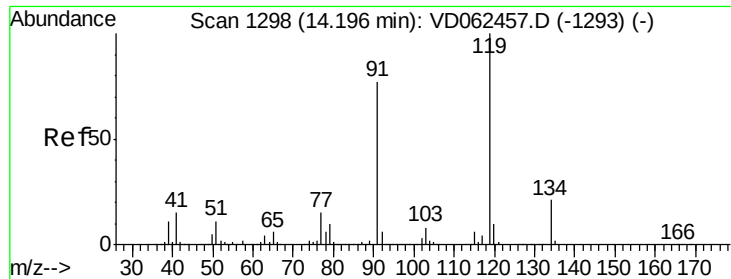
Tot Ion: 75 Resp: 12134
Ion Ratio Lower Upper
75 100
53 118.8 65.8 98.8#
89 56.5 35.0 52.6#



#82
4-Chlorotoluene
Concen: 10.534 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion: 91 Resp: 198683
Ion Ratio Lower Upper
91 100
126 30.0 19.1 57.5

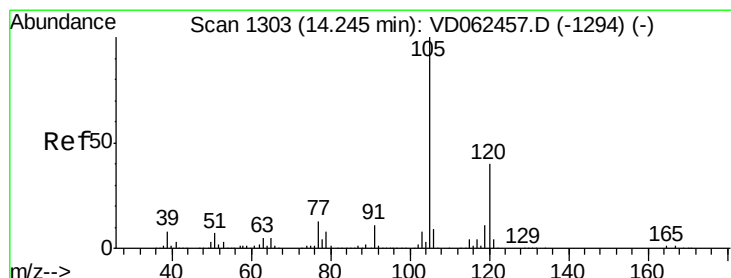
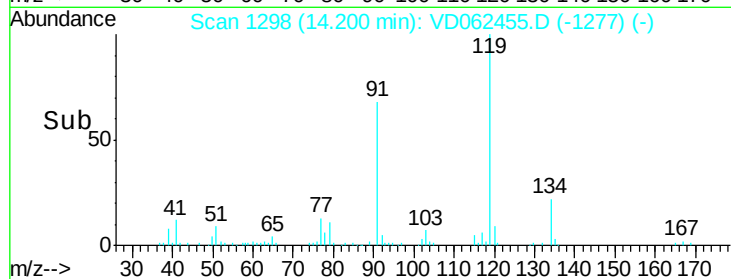
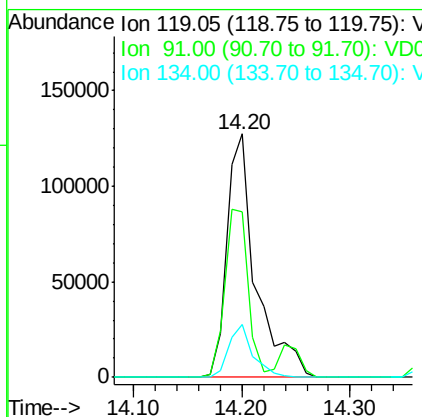
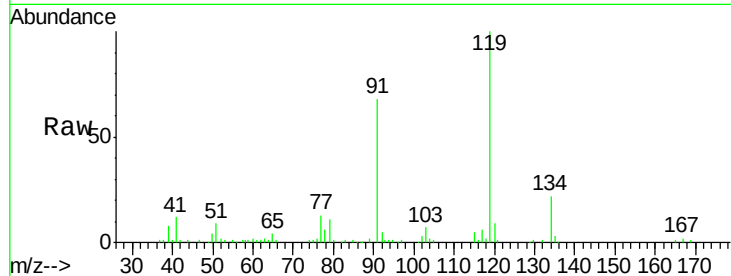




#83
 tert-Butylbenzene
 Concen: 10.667 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

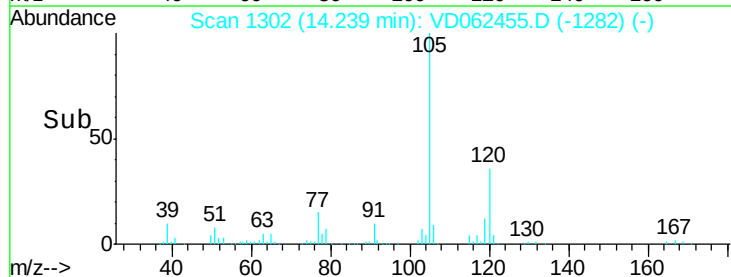
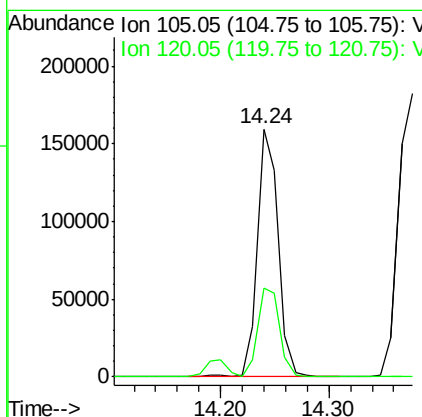
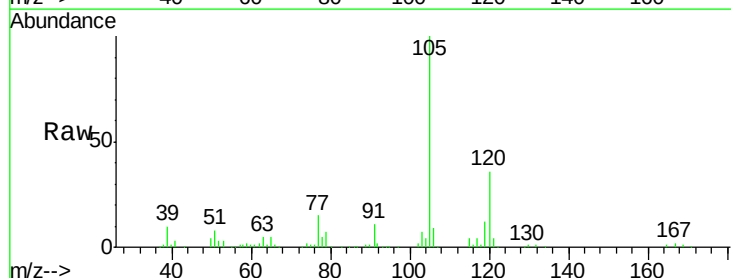
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

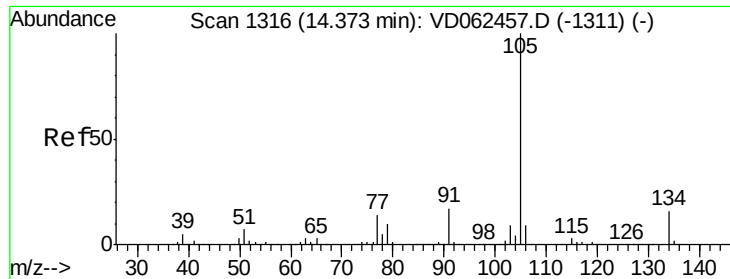
Tot Ion:119 Resp: 236862
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.2 102.6
 134 21.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 10.708 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion:105 Resp: 212291
 Ion Ratio Lower Upper
 105 100
 120 35.7 23.1 69.2

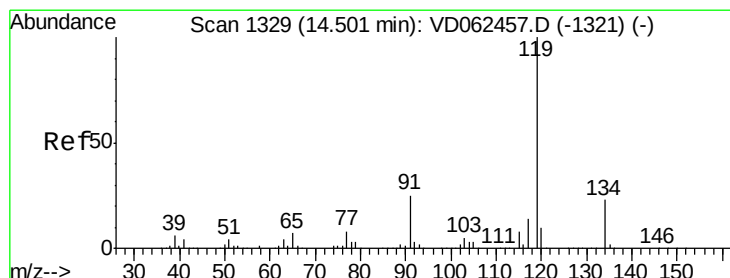
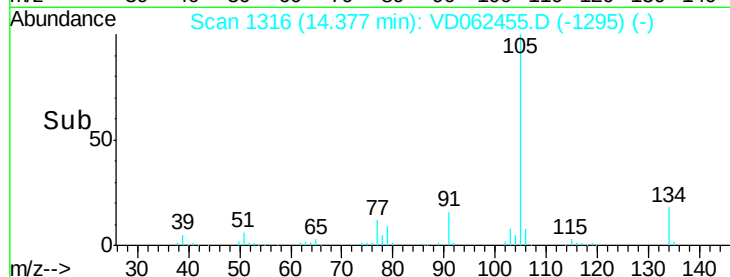
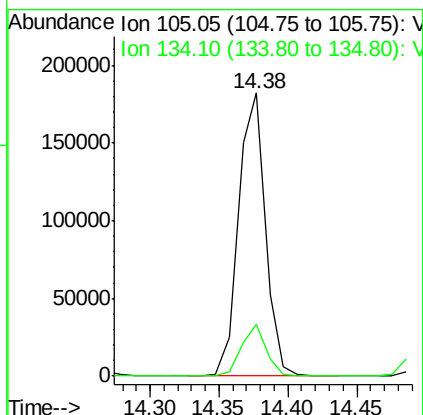
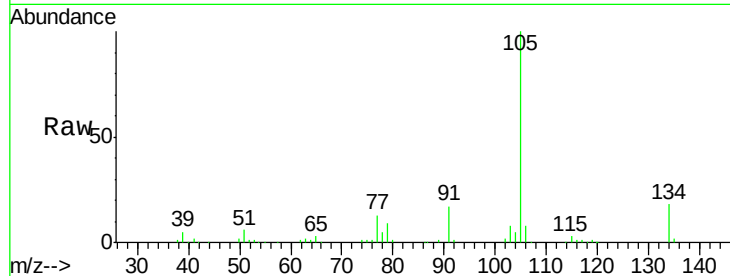




#85
 sec-Butylbenzene
 Concen: 10.168 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

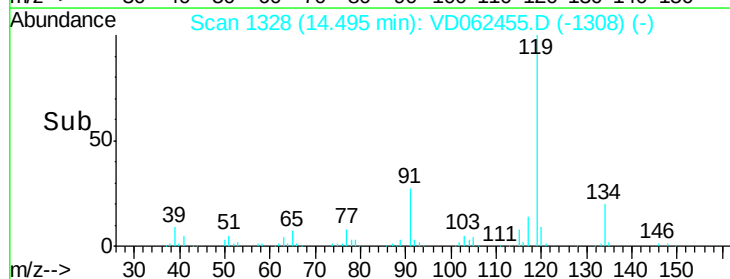
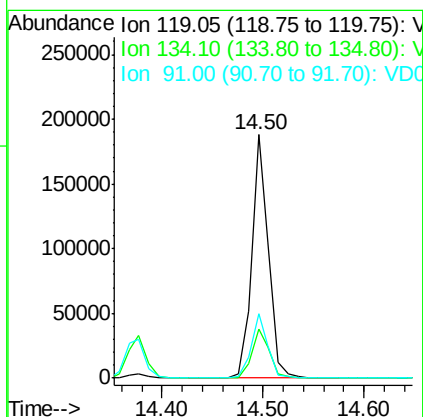
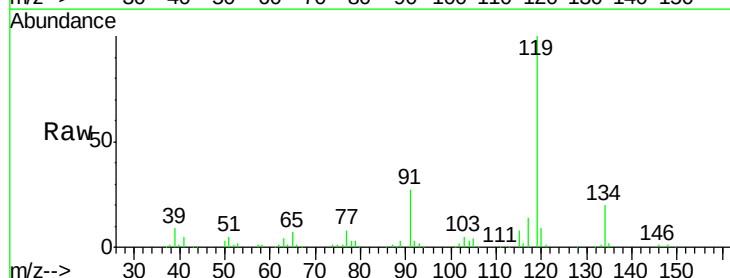
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

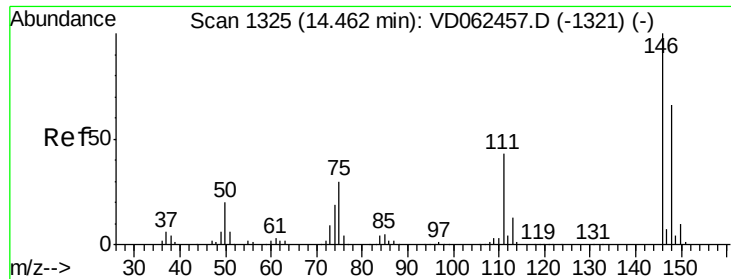
Tot Ion:105 Resp: 247561
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 9.954 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion:119 Resp: 216522
 Ion Ratio Lower Upper
 119 100
 134 20.4 12.8 38.3
 91 26.7 10.7 32.1

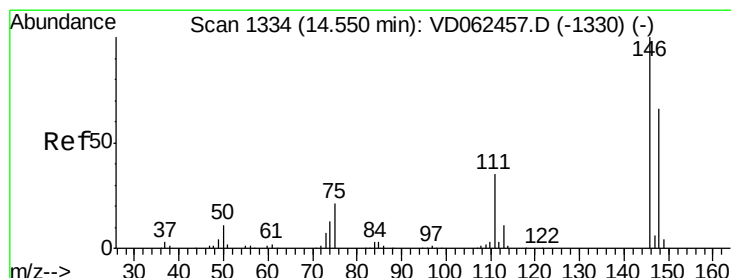
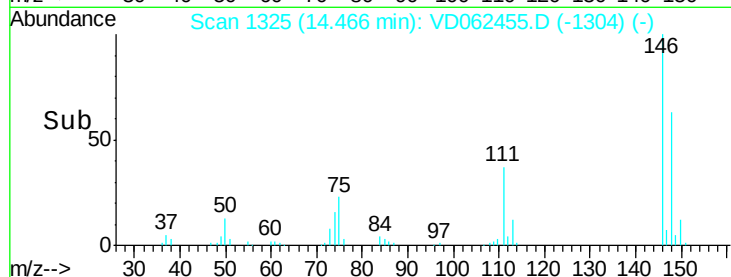
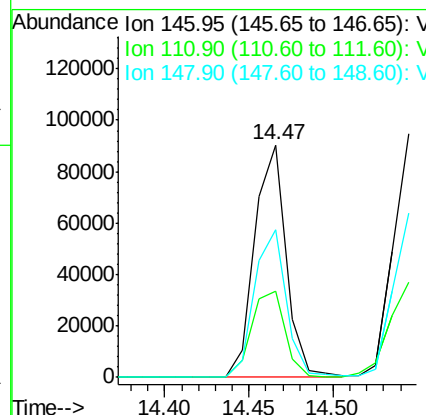
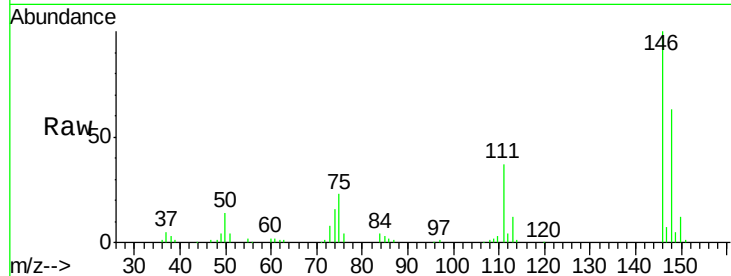




#87
 1,3-Dichlorobenzene
 Concen: 9.801 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

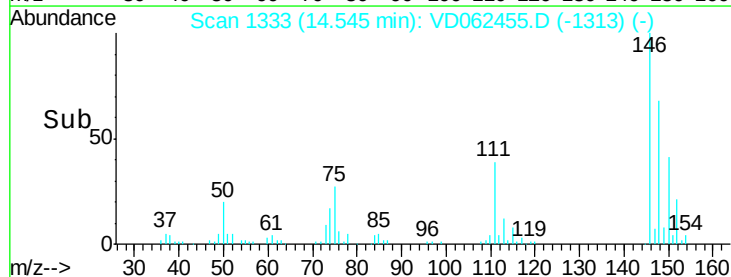
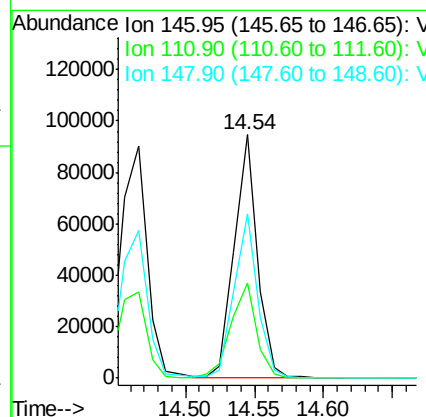
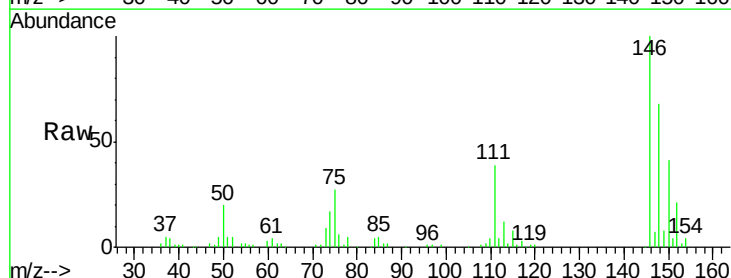
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

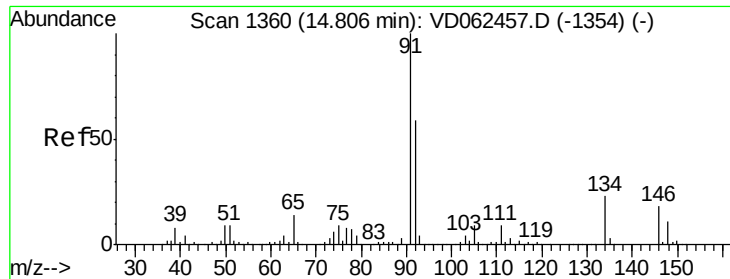
Tot Ion:146 Resp: 117582
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.0 60.0
 148 63.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 9.423 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion:146 Resp: 111077
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.2 60.5
 148 67.7 32.0 96.2





#89

n-Butylbenzene

Concen: 11.087 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062455.D

Acq: 20 May 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

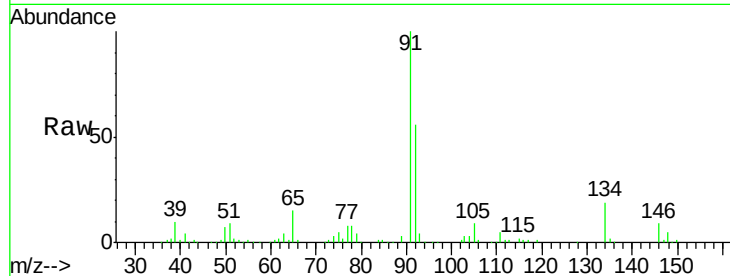
Tot Ion: 91 Resp: 216470

Ion Ratio Lower Upper

91 100

92 56.4 30.3 91.0

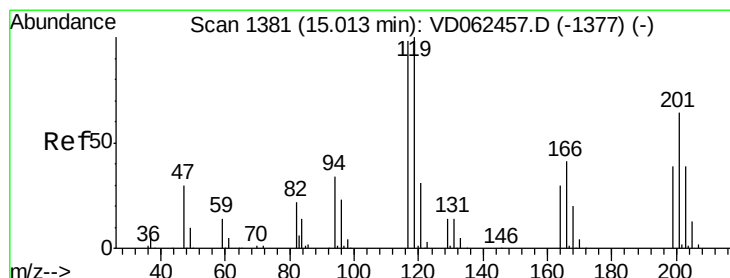
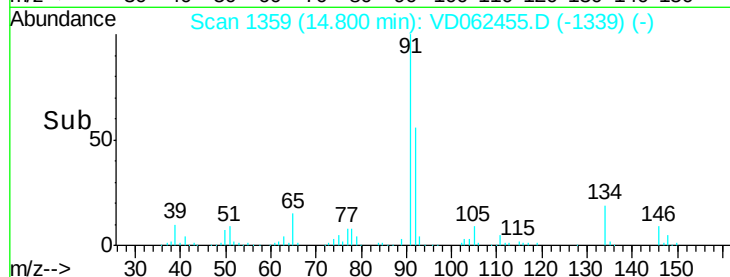
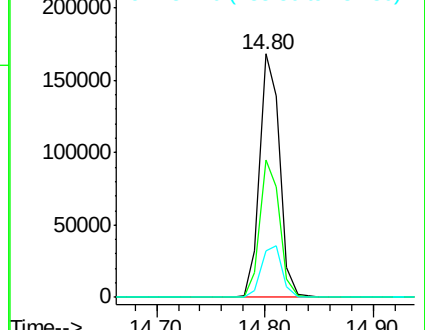
134 19.2 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 9.909 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VD062455.D

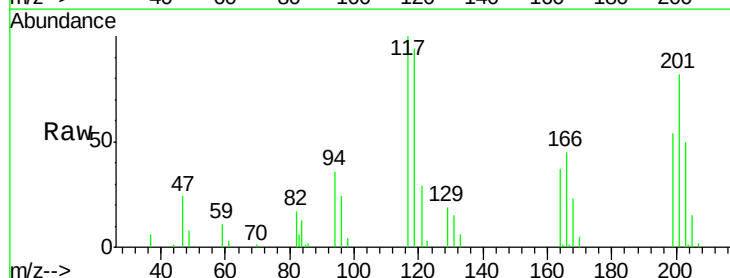
Acq: 20 May 2019 14:50

Tgt Ion: 117 Resp: 58614

Ion Ratio Lower Upper

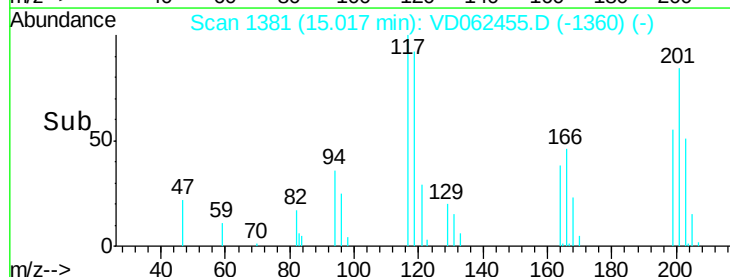
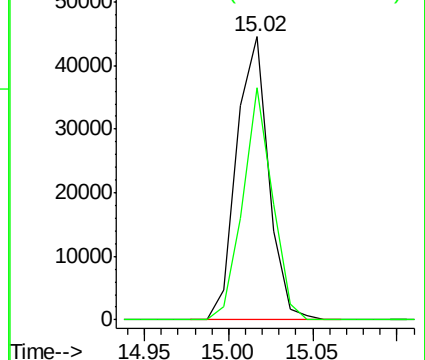
117 100

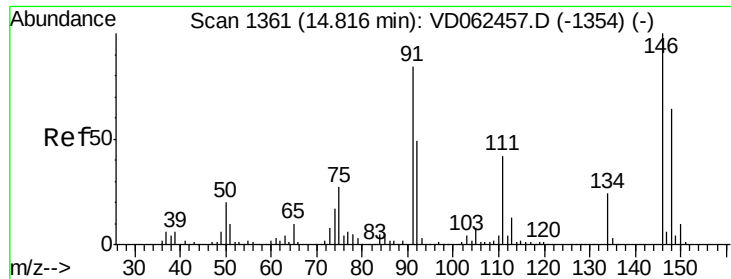
201 82.0 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

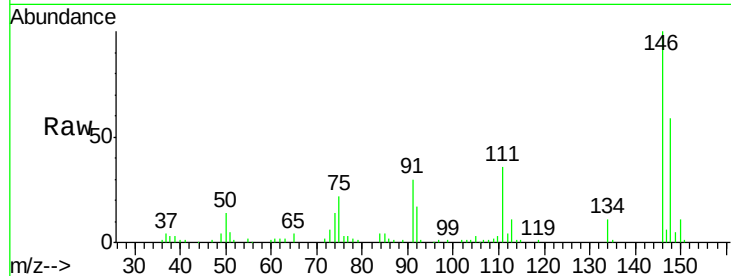




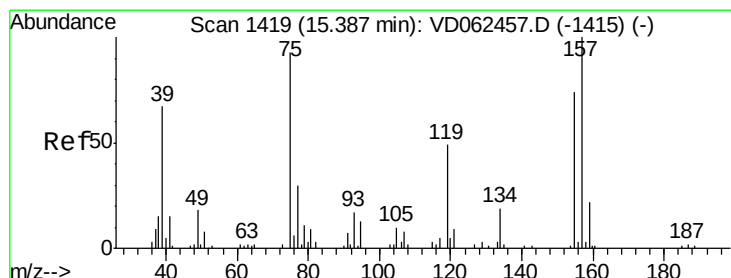
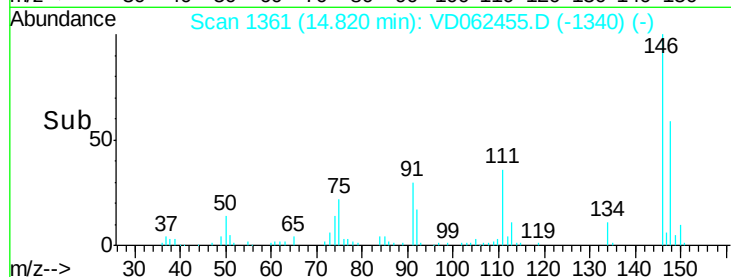
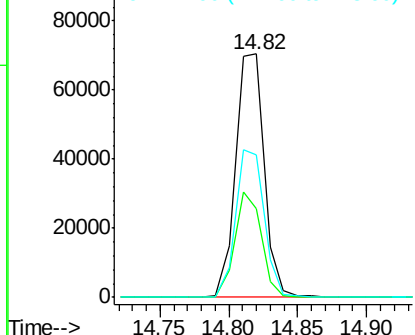
#91
 1,2-Dichlorobenzene
 Concen: 10.365 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 102416
 Ion Ratio Lower Upper
 146 100
 111 36.2 20.0 59.9
 148 58.7 32.3 96.8

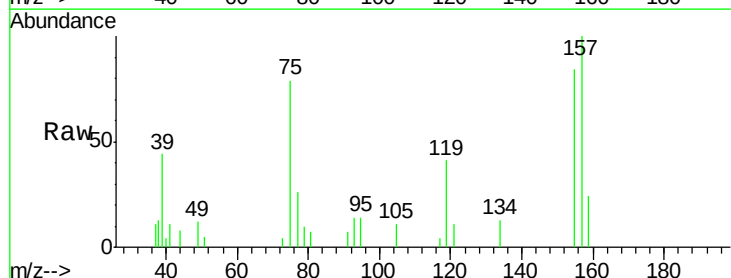


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

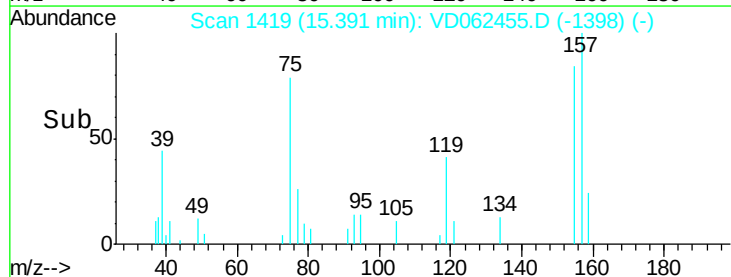
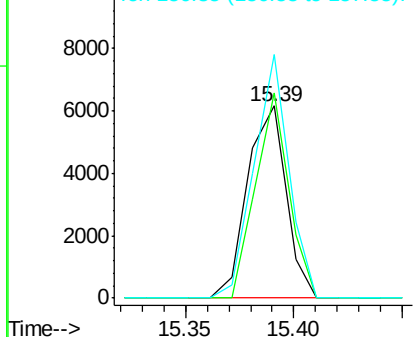


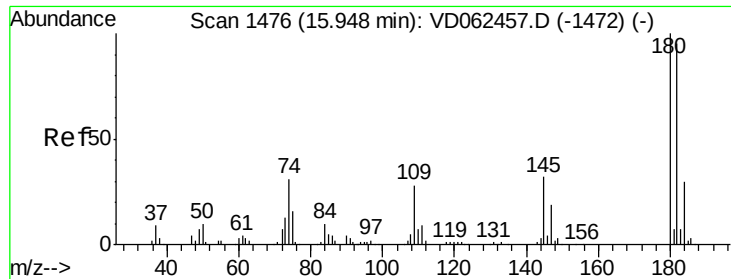
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.453 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion: 75 Resp: 7621
 Ion Ratio Lower Upper
 75 100
 155 107.0 55.3 165.8
 157 126.9 67.8 203.2



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

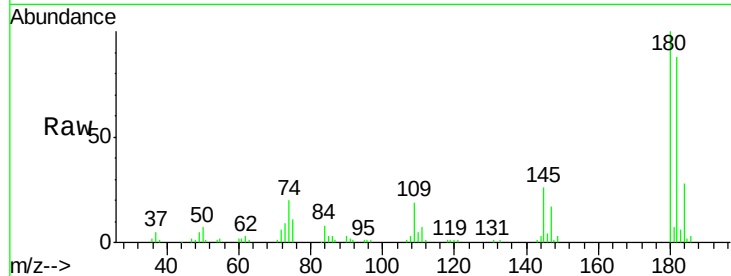




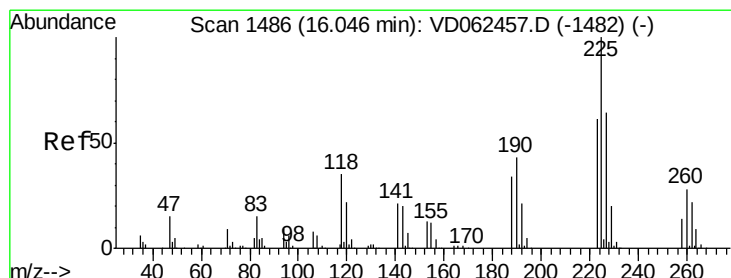
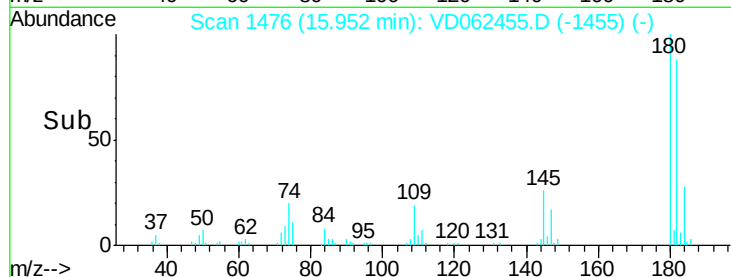
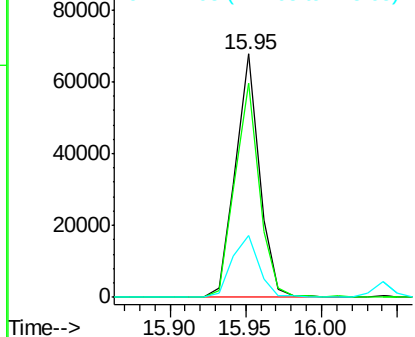
#93
 1,2,4-Trichlorobenzene
 Concen: 10.402 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 74810
 Ion Ratio Lower Upper
 180 100
 182 87.8 49.3 147.8
 145 25.5 16.2 48.6

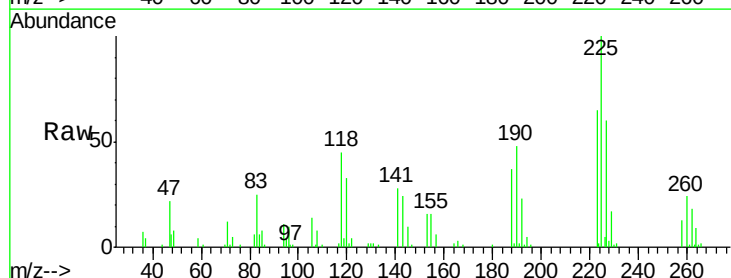


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

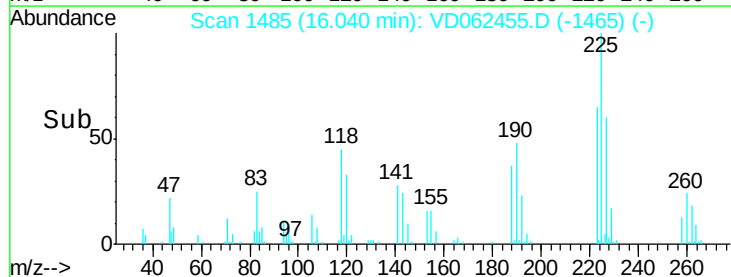
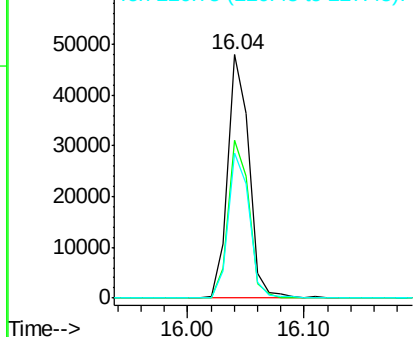


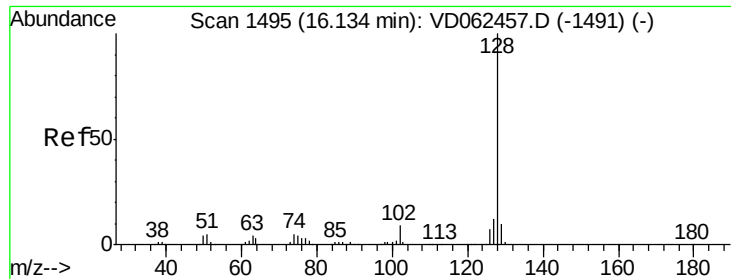
#94
 Hexachlorobutadiene
 Concen: 11.389 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062455.D
 Acq: 20 May 2019 14:50

Tgt Ion:225 Resp: 60919
 Ion Ratio Lower Upper
 225 100
 223 64.8 30.6 92.0
 227 59.6 32.0 96.2



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

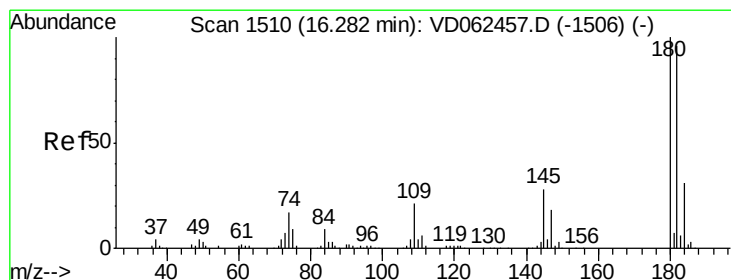
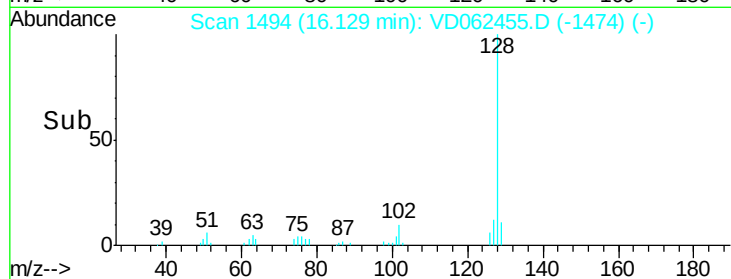
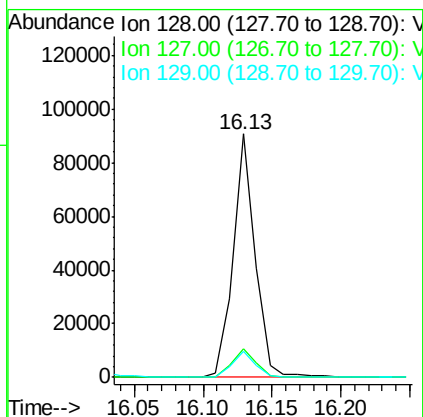
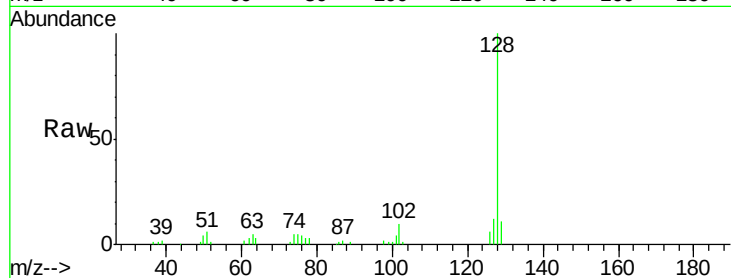




#95
Naphthalene
Concen: 9.969 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 100091
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 13.942 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VD062455.D
Acq: 20 May 2019 14:50

Tgt Ion:180 Resp: 63043
Ion Ratio Lower Upper
180 100
182 96.5 47.0 141.0
145 31.0 17.0 51.0

