

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062642.D
 Acq On : 7 Jun 2019 14:10
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 07 23:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	709461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	952344	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	827659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	481877	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	50124	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	
35) Dibromofluoromethane	6.92	113	52511	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
50) Toluene-d8	10.41	98	98817	4.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.24%	
62) 4-Bromofluorobenzene	13.56	95	47837	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.57	85	58349	6.390	ug/l	96
3) Chloromethane	1.74	50	40875	5.716	ug/l #	83
4) Vinyl Chloride	1.84	62	39794	5.507	ug/l	94
5) Bromomethane	2.15	94	20578	5.678	ug/l	95
6) Chloroethane	2.27	64	16644	4.458	ug/l #	52
7) Trichlorofluoromethane	2.53	101	77607	4.726	ug/l	91
8) Diethyl Ether	2.88	74	11346	5.067	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.13	101	38421	4.219	ug/l	90
10) Methyl Iodide	3.29	142	46169	3.977	ug/l	99
11) Tert butyl alcohol	4.08	59	12873	28.732	ug/l #	61
12) 1,1-Dichloroethene	3.11	96	28562	4.501	ug/l	96
13) Acrolein	3.03	56	4293	34.670	ug/l	94
14) Allyl chloride	3.61	41	46241	4.740	ug/l	91
15) Acrylonitrile	4.18	53	21290	21.949	ug/l	88
16) Acetone	3.22	43	45037	23.479	ug/l	97
17) Carbon Disulfide	3.37	76	84092	4.435	ug/l #	94
18) Methyl Acetate	3.63	43	19013	6.091	ug/l #	65
19) Methyl tert-butyl Ether	4.23	73	69175	4.421	ug/l	93
20) Methylene Chloride	3.81	84	58600	8.192	ug/l #	91
21) trans-1,2-Dichloroethene	4.20	96	28626	4.028	ug/l #	82
22) Diisopropyl ether	5.11	45	93429	4.679	ug/l #	91
23) Vinyl Acetate	5.05	43	273690	21.723	ug/l	98
24) 1,1-Dichloroethane	4.98	63	56244	4.266	ug/l #	96
25) 2-Butanone	6.07	43	42224	22.584	ug/l #	89
26) 2,2-Dichloropropane	6.02	77	65575	4.299	ug/l	88
27) cis-1,2-Dichloroethene	6.04	96	34627	4.578	ug/l	85
28) Bromochloromethane	6.43	49	25023	5.300	ug/l #	68
29) Tetrahydrofuran	6.46	42	20456	24.314	ug/l	98
30) Chloroform	6.66	83	73617	4.338	ug/l	92
31) Cyclohexane	6.94	56	35813	4.432	ug/l #	93
32) 1,1,1-Trichloroethane	6.87	97	67523	3.934	ug/l	98
36) 1,1-Dichloropropene	7.15	75	49736	4.385	ug/l	96
37) Ethyl Acetate	6.17	43	33330	6.741	ug/l #	72
38) Carbon Tetrachloride	7.10	117	77294	4.317	ug/l	94

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 Data File : VD062642.D
 Acq On : 7 Jun 2019 14:10
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 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Jun 07 23:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	39565	4.383	ug/l	94
40) Benzene	7.44	78	98736	4.570	ug/l	99
41) Methacrylonitrile	6.45	41	27088	4.571	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	59587	4.599	ug/l #	82
43) Isopropyl Acetate	9.23	43	28496	4.908	ug/l #	98
44) Trichloroethene	8.54	130	38590	4.327	ug/l	84
45) 1,2-Dichloropropane	8.94	63	21402	4.083	ug/l	89
46) Dibromomethane	9.06	93	20718	4.414	ug/l	86
47) Bromodichloromethane	9.37	83	54327	4.263	ug/l	98
48) Methyl methacrylate	9.12	41	18854	4.362	ug/l	97
49) 1,4-Dioxane	9.09	88	2849	83.438	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	95383	23.136	ug/l	96
52) Toluene	10.50	92	66486	4.497	ug/l	91
53) t-1,3-Dichloropropene	10.91	75	41896	3.994	ug/l	89
54) cis-1,3-Dichloropropene	10.03	75	43061	3.967	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	25164	5.094	ug/l	97
56) Ethyl methacrylate	11.04	69	22572	4.180	ug/l #	91
57) 1,3-Dichloropropane	11.40	76	35119	4.520	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	77414	28.526	ug/l	92
59) 2-Hexanone	11.53	43	68153	21.962	ug/l	90
60) Dibromochloromethane	11.69	129	42775	4.359	ug/l	95
61) 1,2-Dibromoethane	11.80	107	26611	4.442	ug/l	97
64) Tetrachloroethene	11.25	164	36298	4.619	ug/l	98
65) Chlorobenzene	12.39	112	82531	4.451	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	38436	4.326	ug/l	92
67) Ethyl Benzene	12.52	91	145777	4.422	ug/l	97
68) m/p-Xylenes	12.67	106	102048	8.823	ug/l	93
69) o-Xylene	13.04	106	41968	3.866	ug/l	79
70) Styrene	13.07	104	79103	4.086	ug/l	92
71) Bromoform	13.23	173	23367	3.784	ug/l	82
73) Isopropylbenzene	13.40	105	150564	4.291	ug/l	98
74) N-amyl acetate	13.26	43	39047	4.133	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	24691	4.159	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	30214	4.545	ug/l	94
77) Bromobenzene	13.66	156	41475	4.201	ug/l	86
78) n-propylbenzene	13.77	91	176871	4.164	ug/l	99
79) 2-Chlorotoluene	13.84	91	108896	4.394	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	132521	4.327	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	7441	4.345	ug/l #	80
82) 4-Chlorotoluene	13.94	91	128834	4.321	ug/l	89
83) tert-Butylbenzene	14.19	119	136514	3.996	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	121635	3.954	ug/l	99
85) sec-Butylbenzene	14.36	105	148333	4.175	ug/l	96
86) p-Isopropyltoluene	14.49	119	147399	4.276	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	76168	4.171	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	72334	4.217	ug/l	92
89) n-Butylbenzene	14.80	91	128592	4.094	ug/l	97
90) Hexachloroethane	15.00	117	37343	4.113	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	67022	4.466	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	5678	4.331	ug/l	85

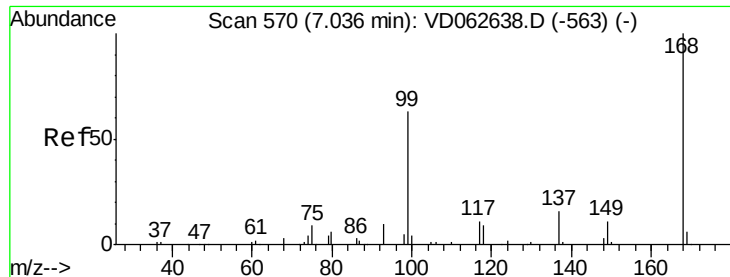
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
Data File : VD062642.D
Acq On : 7 Jun 2019 14:10
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 23:32:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 07 23:24:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	44003	3.865	ug/l	92
94) Hexachlorobutadiene	16.04	225	35147	3.909	ug/l	93
95) Naphthalene	16.13	128	67015	4.237	ug/l #	96
96) 1,2,3-Trichlorobenzene	16.27	180	37583	4.357	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

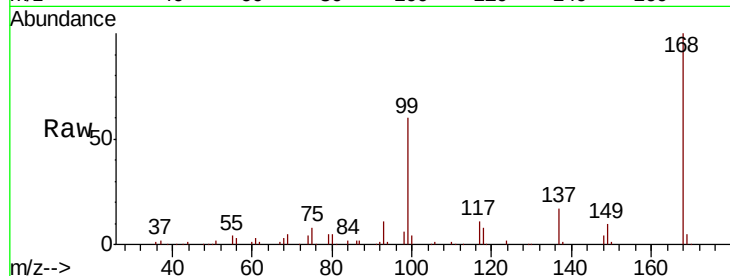
VSTDIC005

Tot Ion:168 Resp: 709461

Ion Ratio Lower Upper

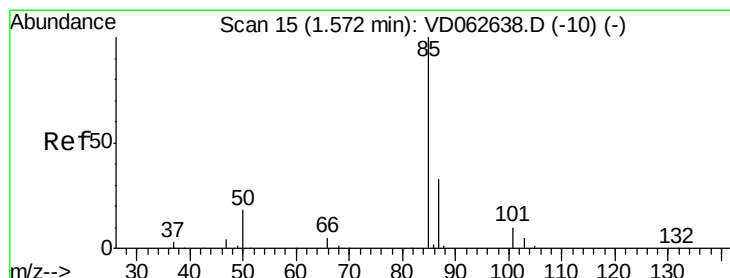
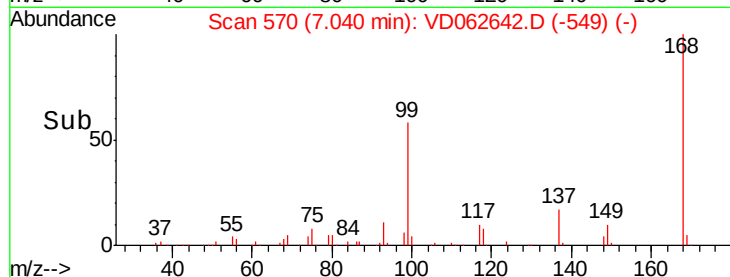
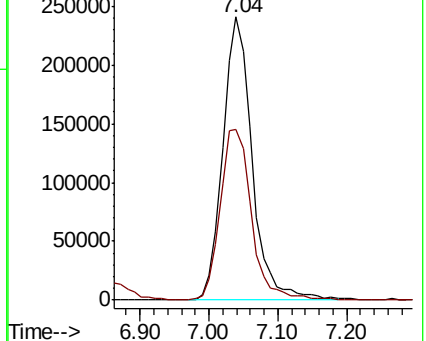
168 100

99 60.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 6.390 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062642.D

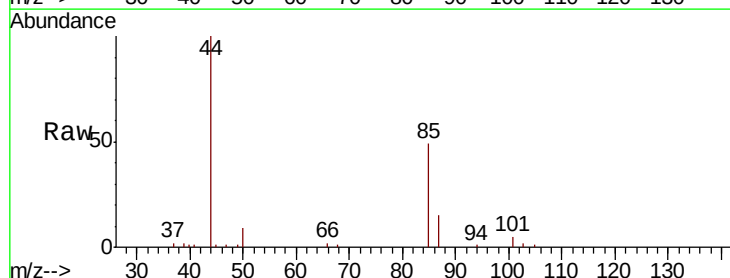
Acq: 7 Jun 2019 14:10

Tgt Ion: 85 Resp: 58349

Ion Ratio Lower Upper

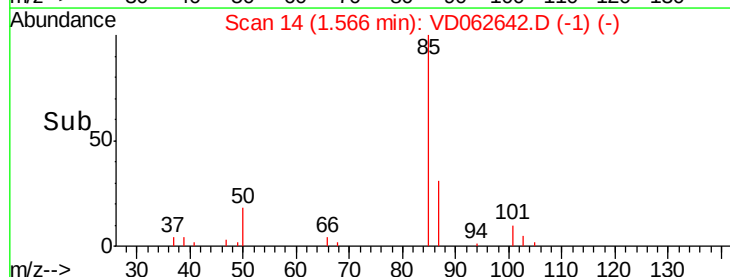
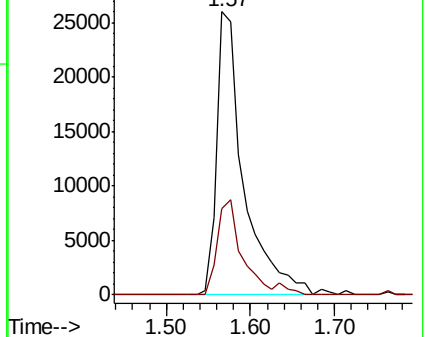
85 100

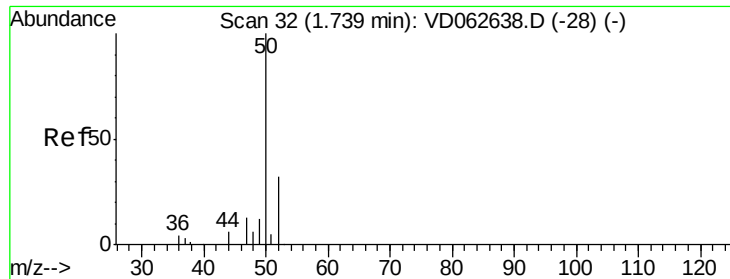
87 30.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.716 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

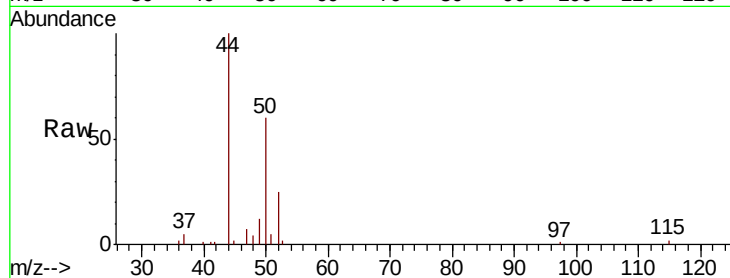
VSTDIC005

Tot Ion: 50 Resp: 40875

Ion Ratio Lower Upper

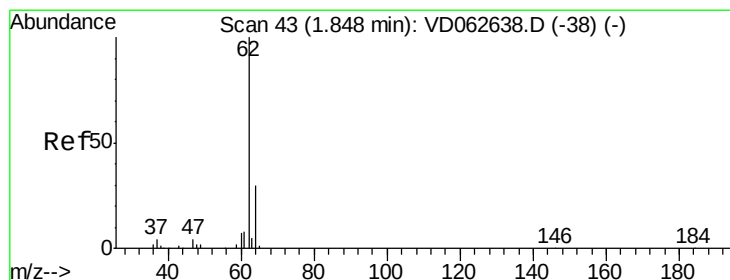
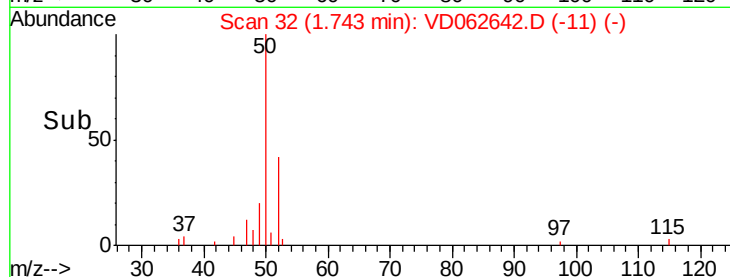
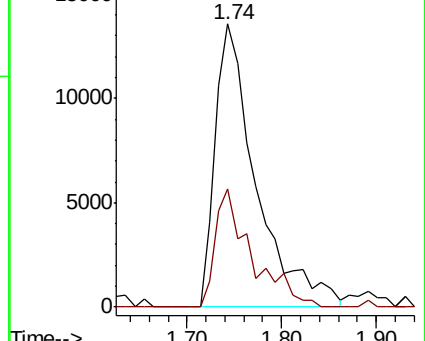
50 100

52 41.9 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.507 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062642.D

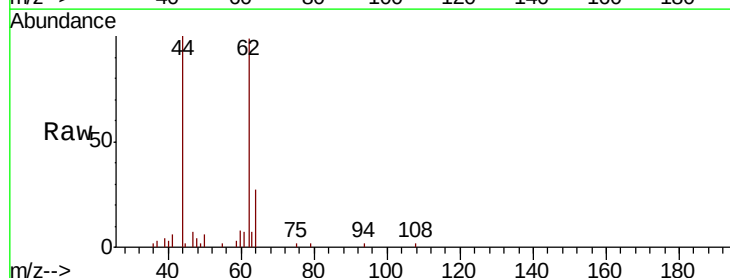
Acq: 7 Jun 2019 14:10

Tgt Ion: 62 Resp: 39794

Ion Ratio Lower Upper

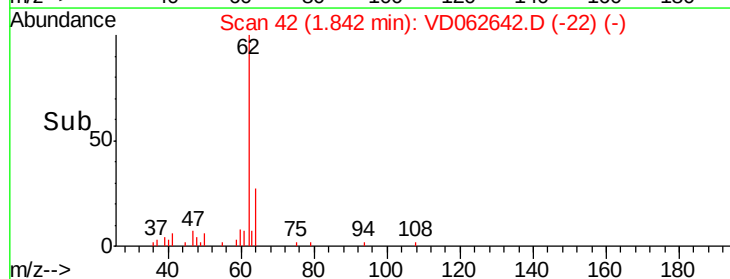
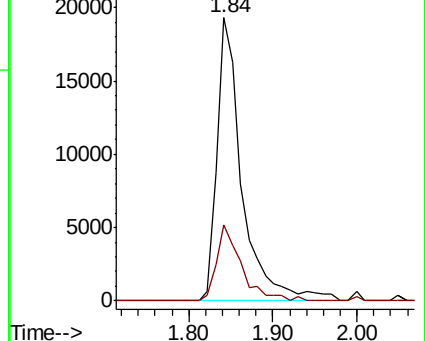
62 100

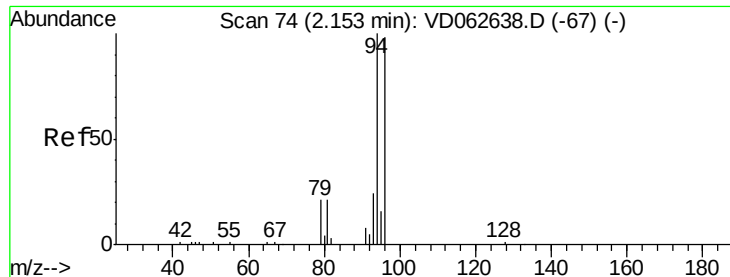
64 26.9 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.678 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

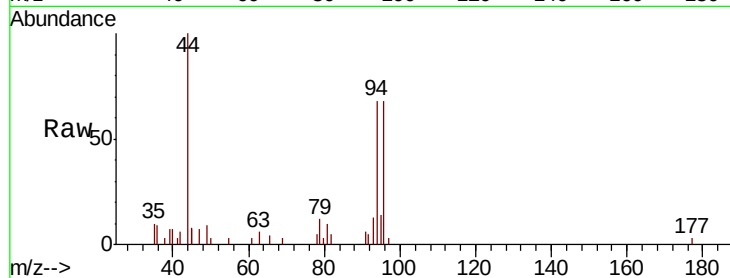
Tot Ion: 94 Resp: 20578

Ion Ratio Lower Upper

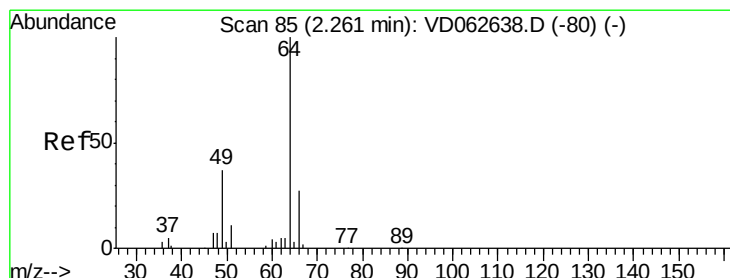
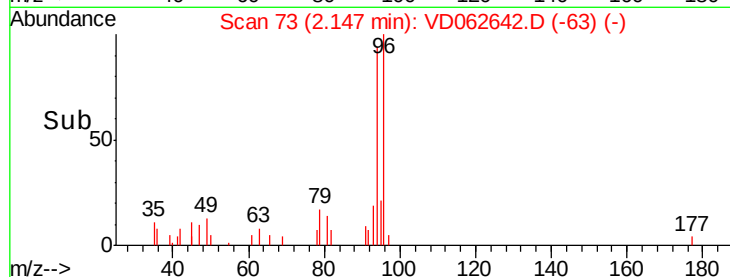
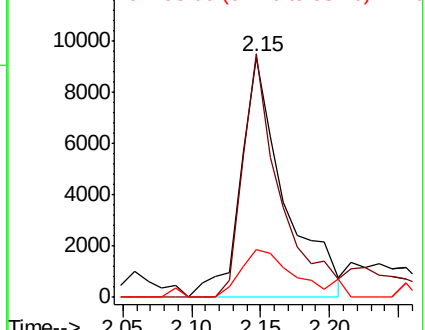
94 100

96 101.4 78.1 117.1

93 19.8 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 4.458 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062642.D

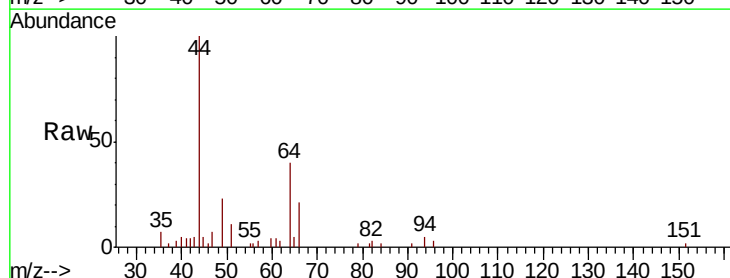
Acq: 7 Jun 2019 14:10

Tgt Ion: 64 Resp: 16644

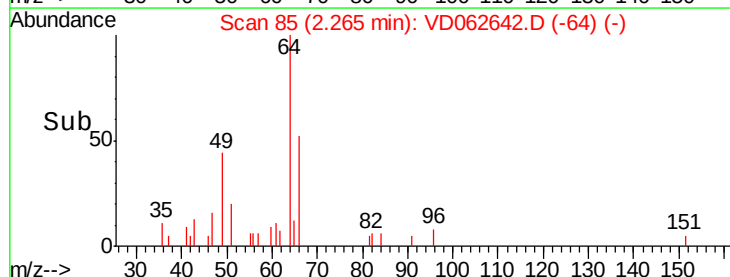
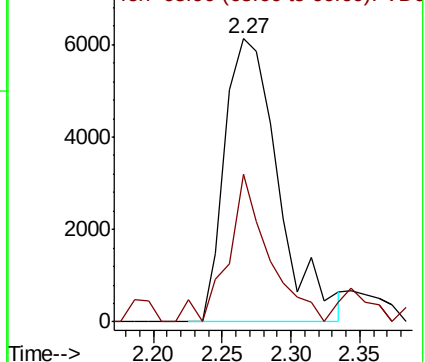
Ion Ratio Lower Upper

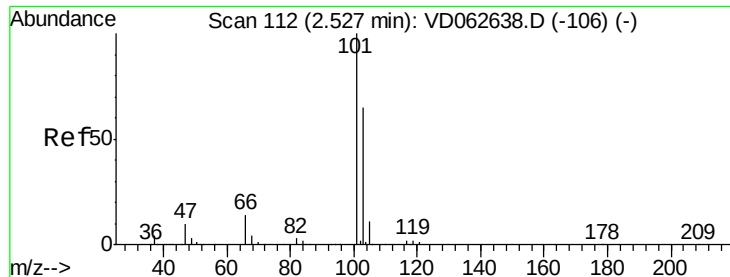
64 100

66 52.2 21.9 32.9#



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



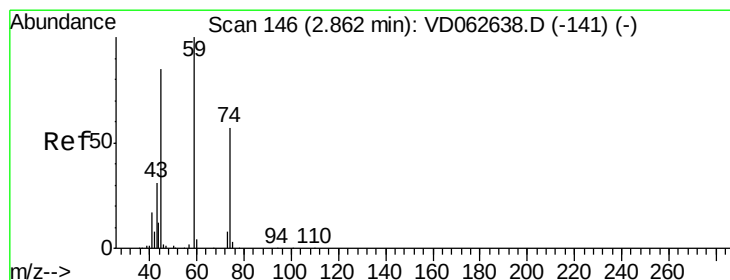
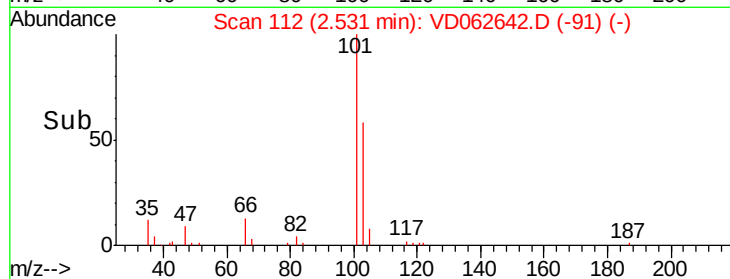
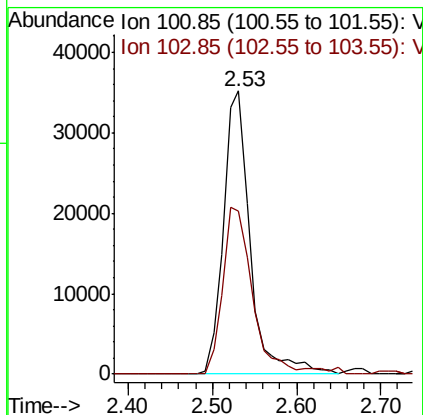
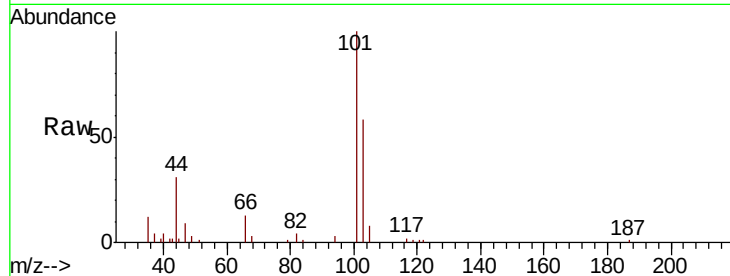


#7

Trichlorofluoromethane
Concen: 4.726 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

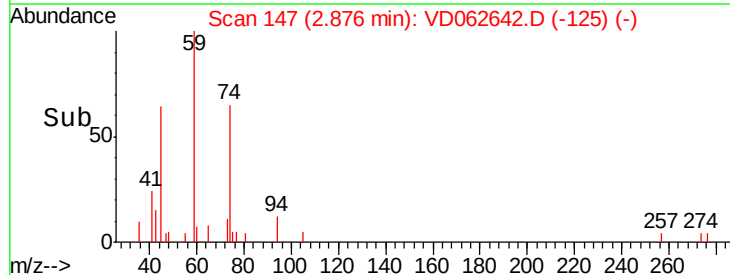
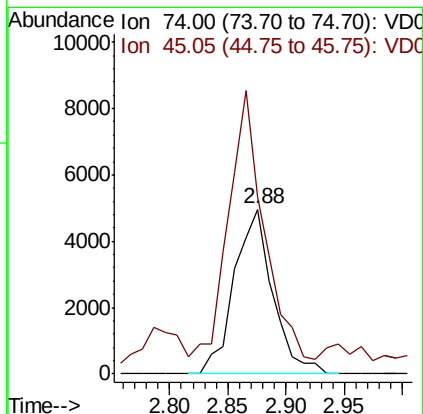
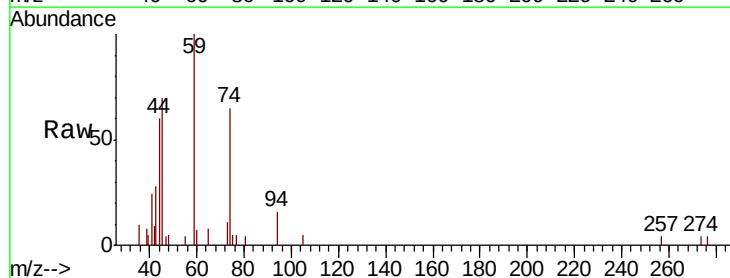
Tot Ion:101 Resp: 77607
Ion Ratio Lower Upper
101 100
103 57.8 52.2 78.2

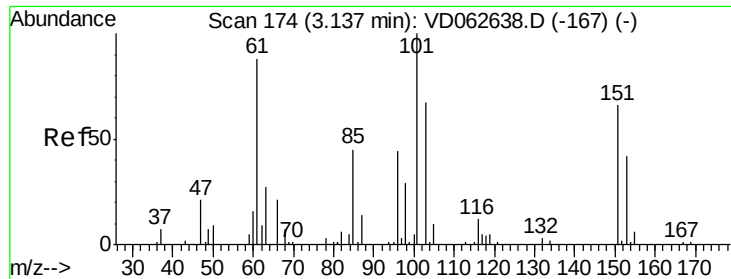


#8

Diethyl Ether
Concen: 5.067 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 74 Resp: 11346
Ion Ratio Lower Upper
74 100
45 107.9 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.219 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

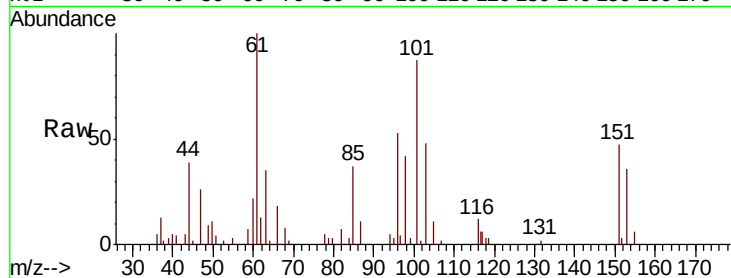
Tot Ion:101 Resp: 38421

Ion Ratio Lower Upper

101 100

85 42.9 36.0 54.0

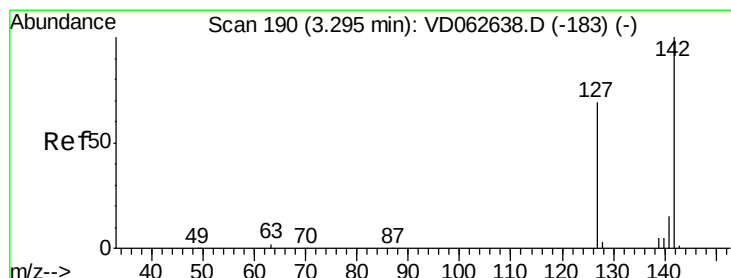
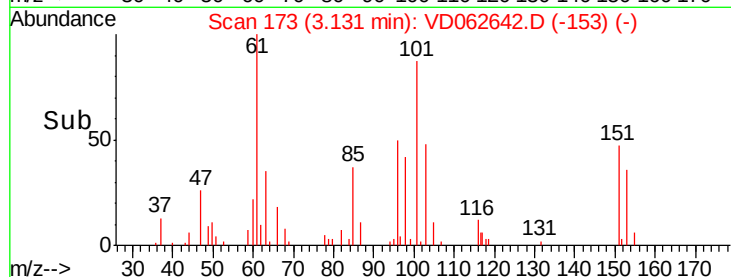
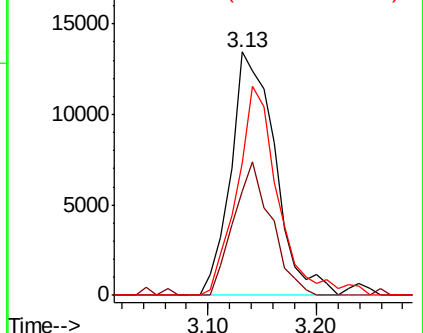
151 54.1 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 3.977 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

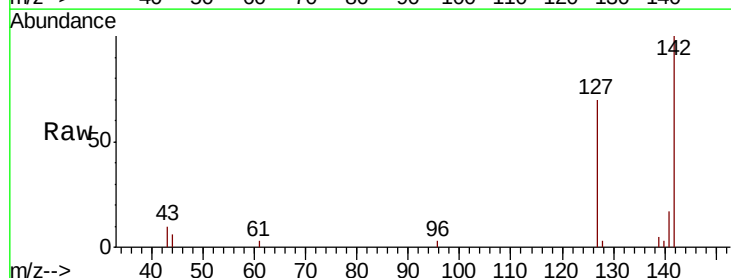
Tgt Ion:142 Resp: 46169

Ion Ratio Lower Upper

142 100

127 69.6 55.2 82.8

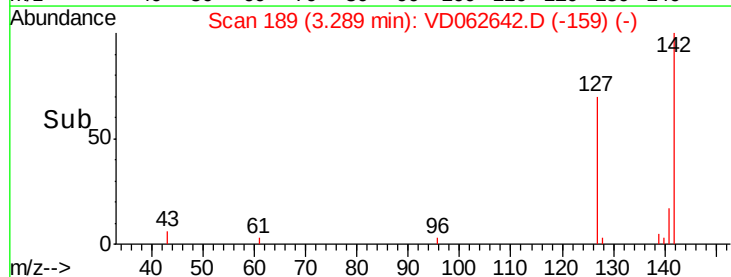
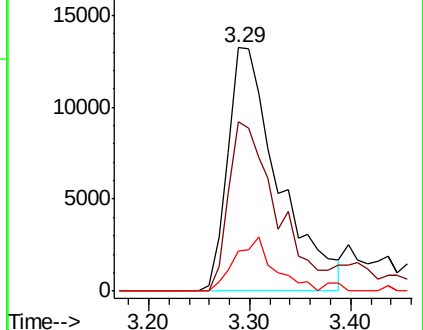
141 16.6 12.1 18.1

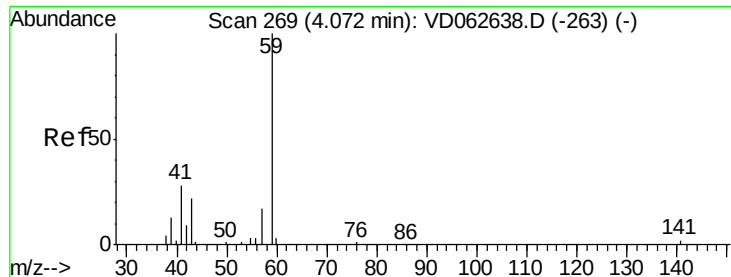


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



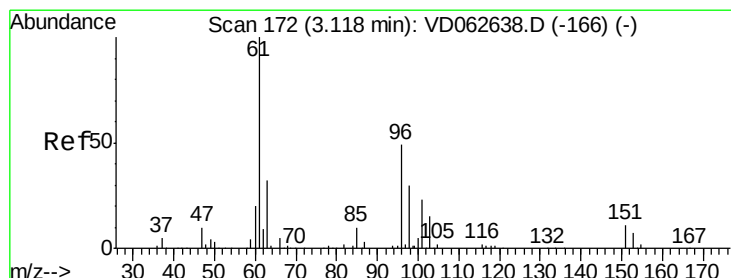
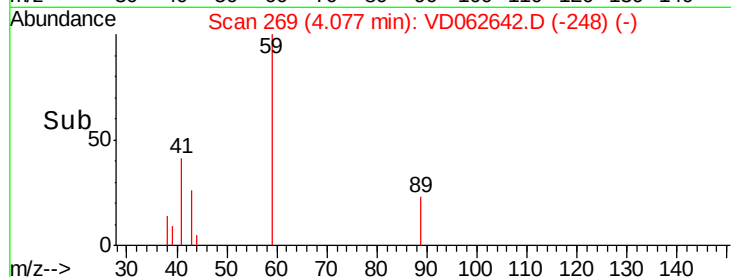
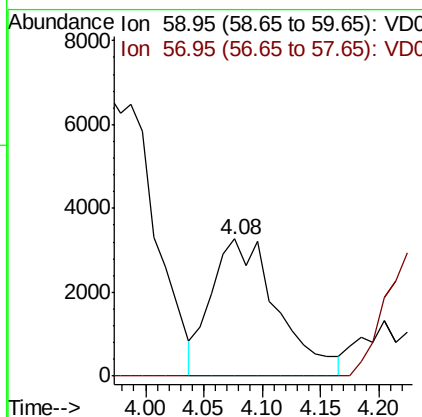
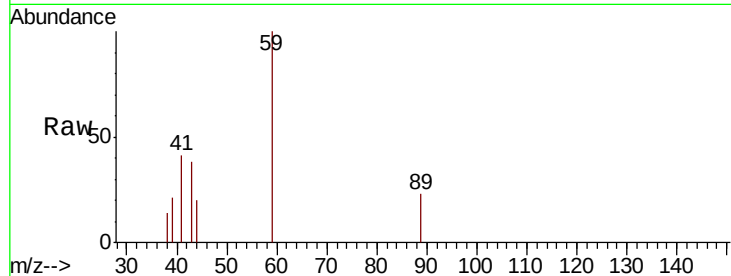


#11

Tert butyl alcohol
 Concen: 28.732 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

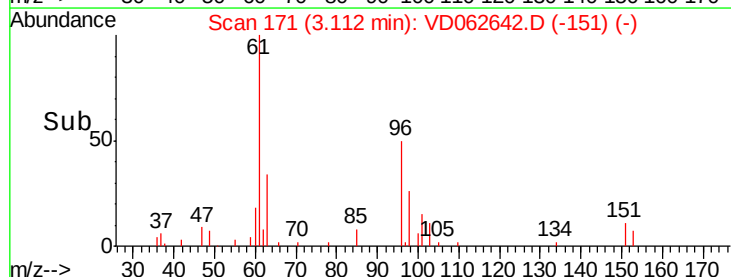
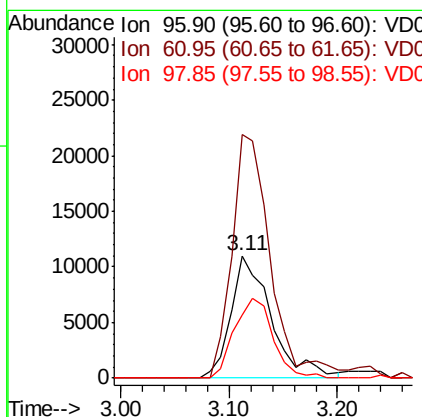
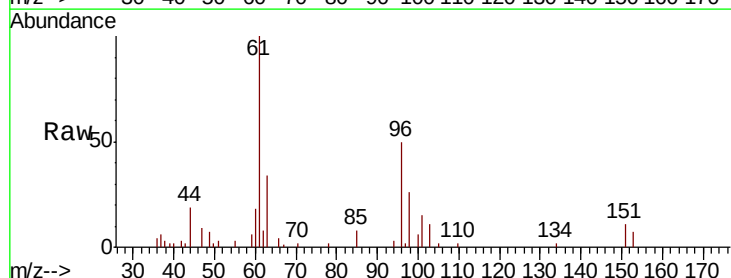
Tot Ion: 59 Resp: 12873
 Ion Ratio Lower Upper
 59 100
 57 0.0 13.7 20.5#

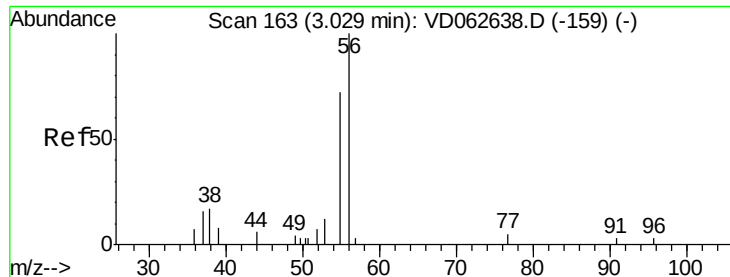


#12

1,1-Dichloroethene
 Concen: 4.501 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion: 96 Resp: 28562
 Ion Ratio Lower Upper
 96 100
 61 199.1 161.8 242.8
 98 51.3 48.2 72.4





#13

Acrolein

Concen: 34.670 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

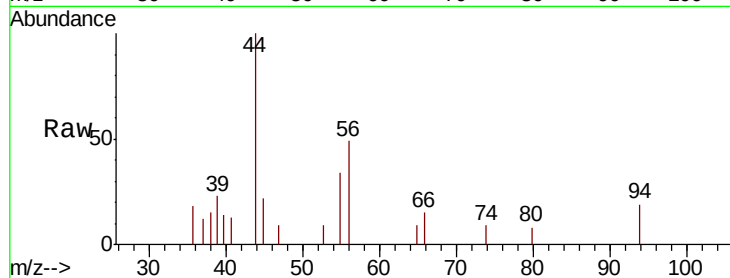
VSTDIC005

Tot Ion: 56 Resp: 4293

Ion Ratio Lower Upper

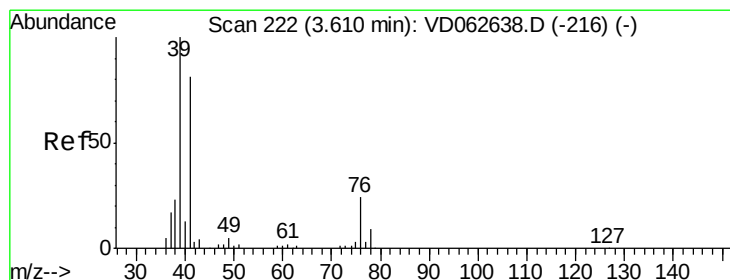
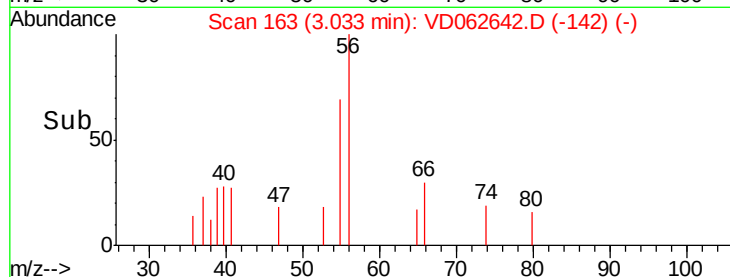
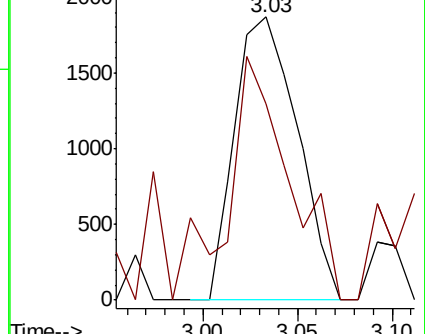
56 100

55 69.4 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.740 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

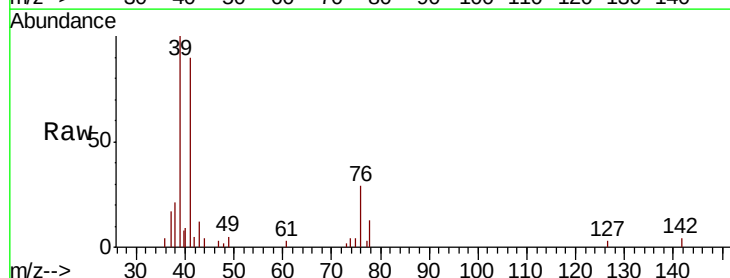
Tgt Ion: 41 Resp: 46241

Ion Ratio Lower Upper

41 100

39 110.9 99.1 148.7

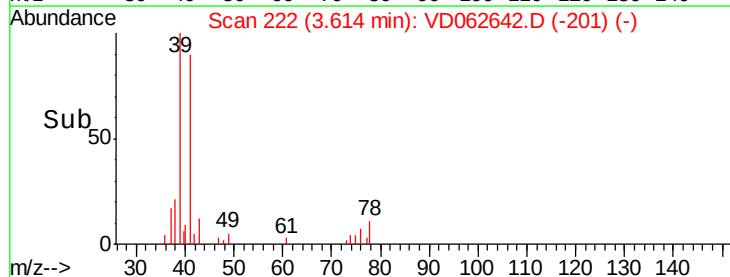
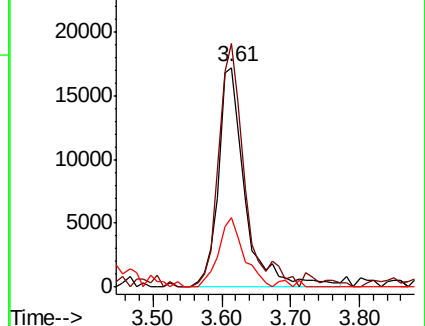
76 31.9 25.0 37.6

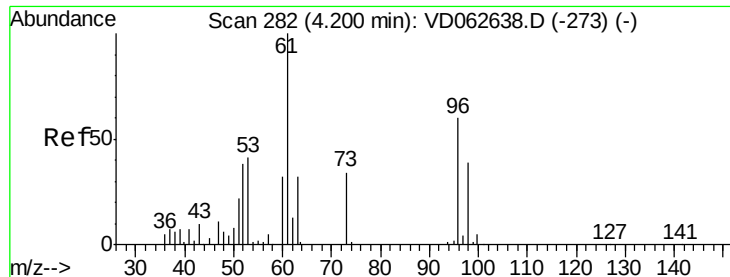


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 21.949 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

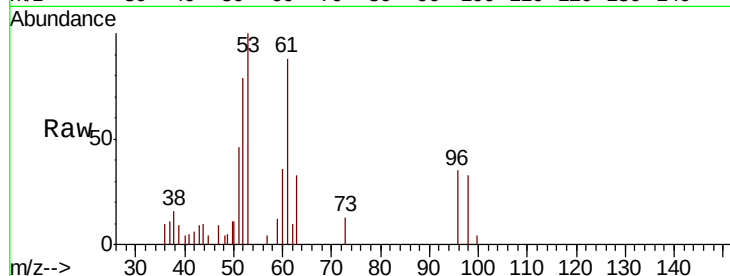
Tot Ion: 53 Resp: 21290

Ion Ratio Lower Upper

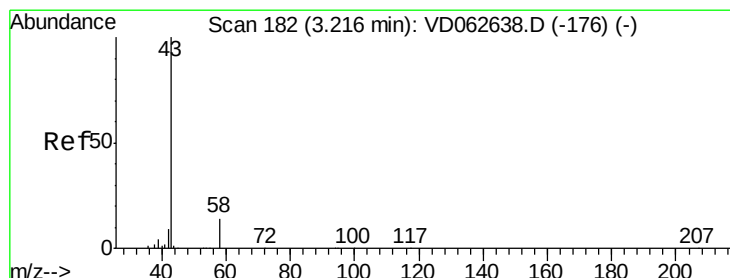
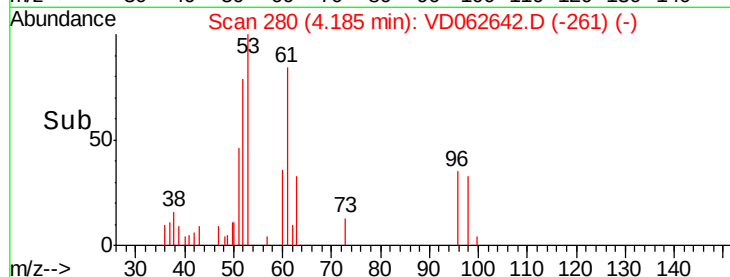
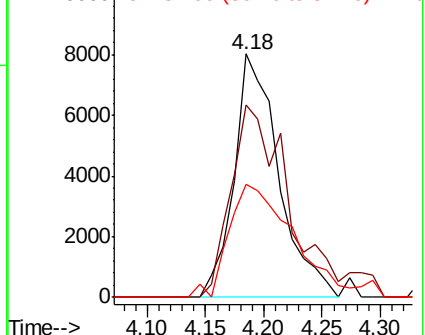
53 100

52 79.3 73.6 110.4

51 46.4 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 23.479 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062642.D

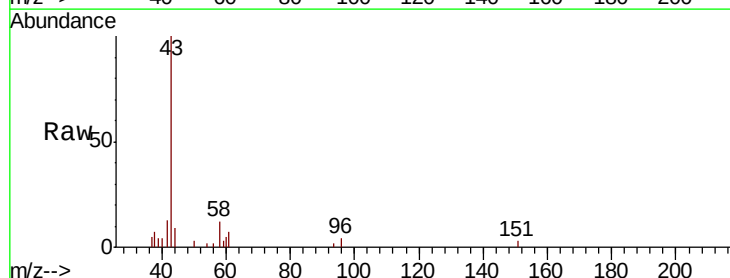
Acq: 7 Jun 2019 14:10

Tgt Ion: 43 Resp: 45037

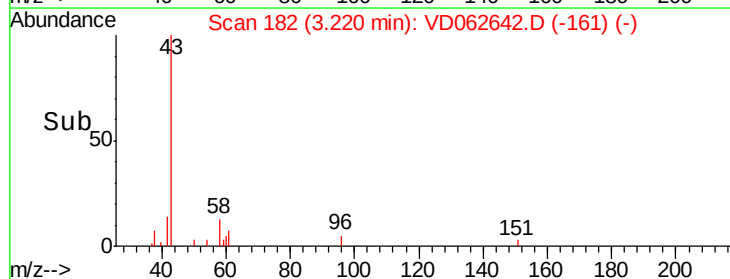
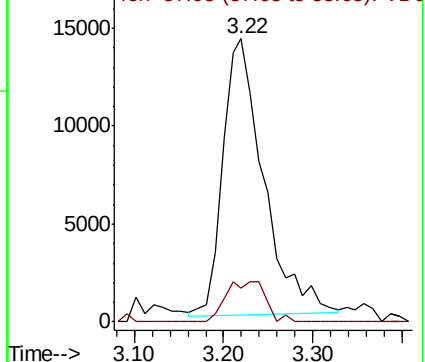
Ion Ratio Lower Upper

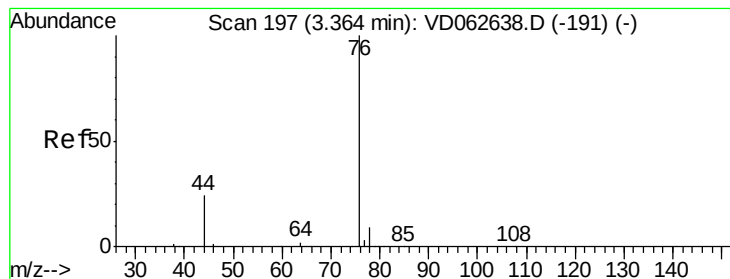
43 100

58 12.1 10.8 16.2



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





#17

Carbon Disulfide

Concen: 4.435 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

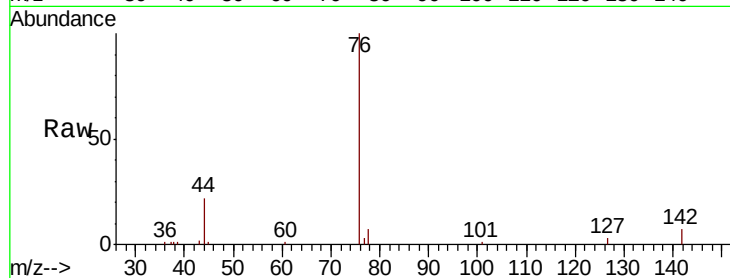
VSTDIC005

Tot Ion: 76 Resp: 84092

Ion Ratio Lower Upper

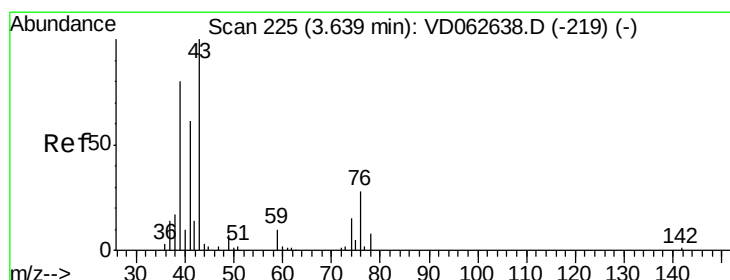
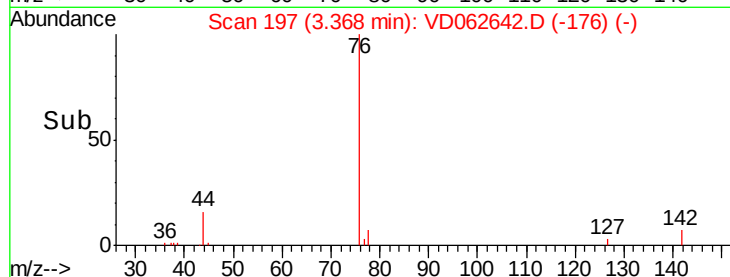
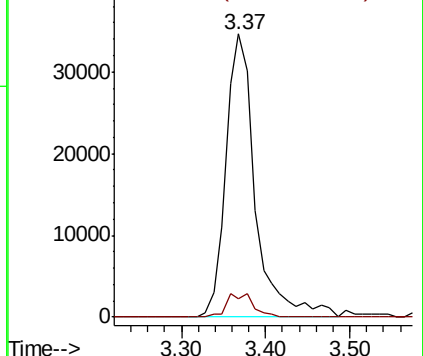
76 100

78 6.6 7.0 10.4#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.091 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062642.D

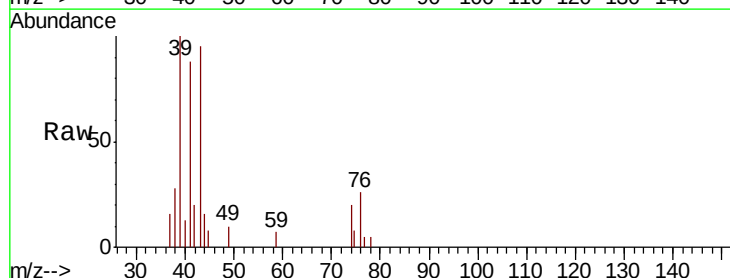
Acq: 7 Jun 2019 14:10

Tgt Ion: 43 Resp: 19013

Ion Ratio Lower Upper

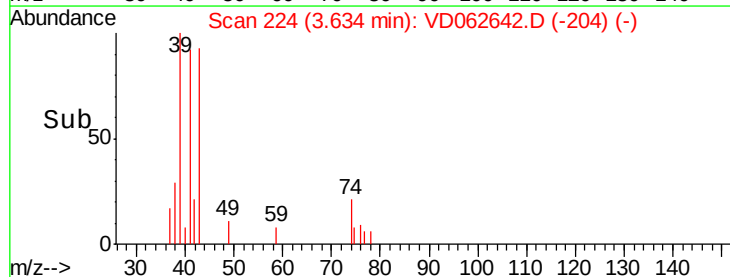
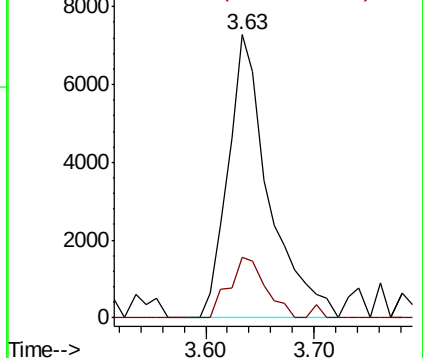
43 100

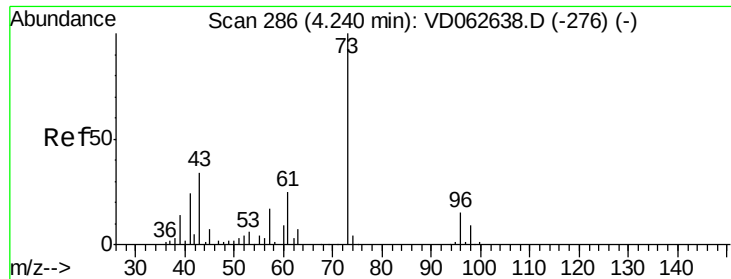
74 29.6 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

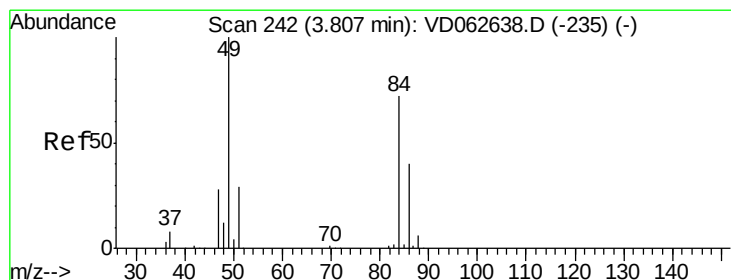
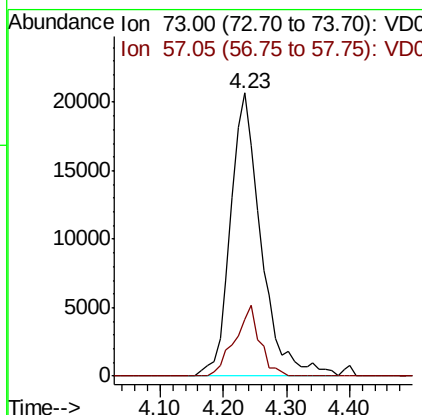
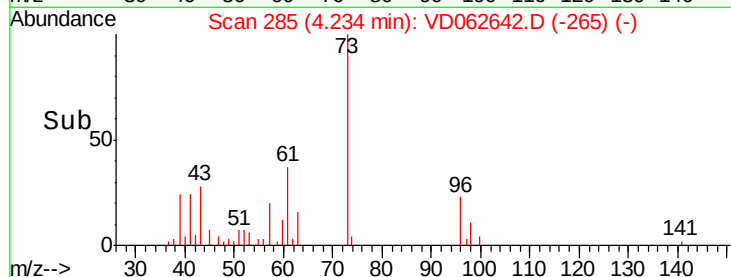
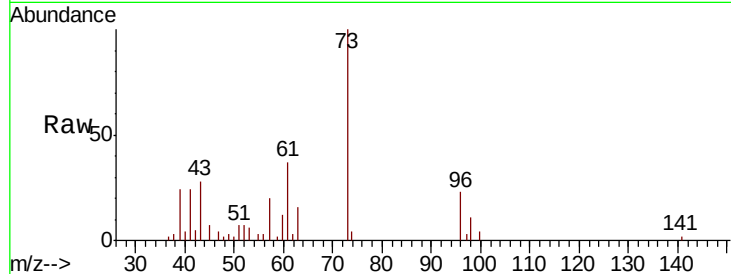




#19
Methyl tert-butyl Ether
Concen: 4.421 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

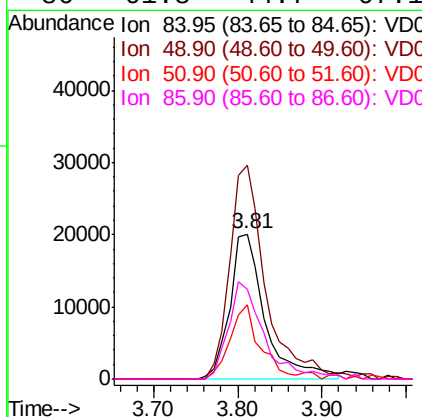
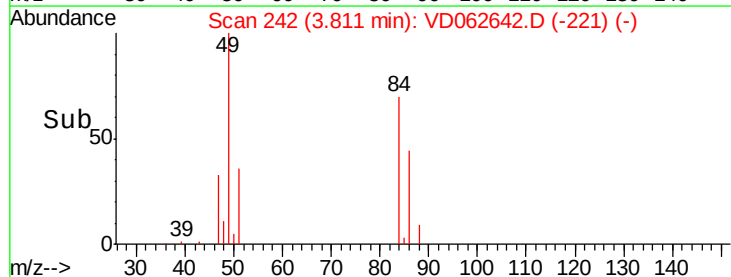
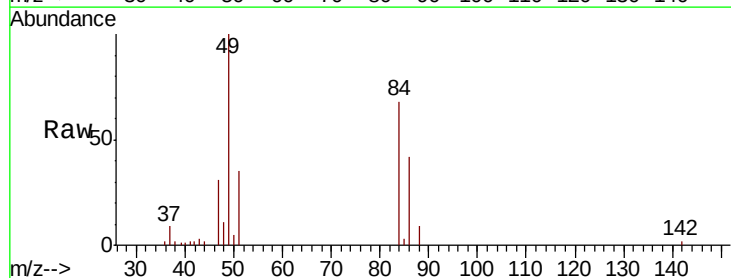
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

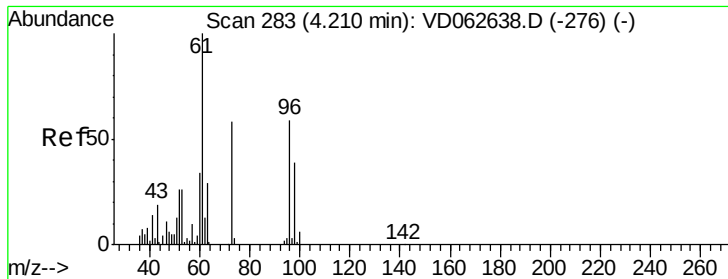
Tot Ion: 73 Resp: 69175
Ion Ratio Lower Upper
73 100
57 20.1 13.5 20.3



#20
Methylene Chloride
Concen: 8.192 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 84 Resp: 58600
Ion Ratio Lower Upper
84 100
49 147.2 111.2 166.8
51 50.9 31.9 47.9#
86 61.8 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 4.028 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

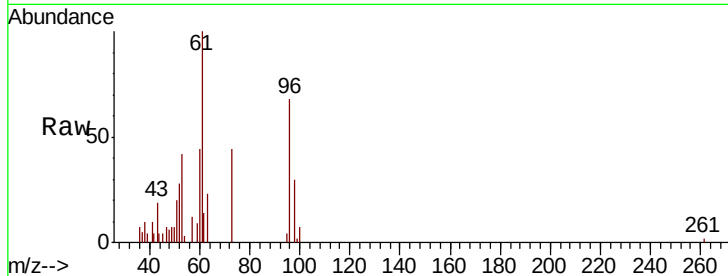
Tot Ion: 96 Resp: 28626

Ion Ratio Lower Upper

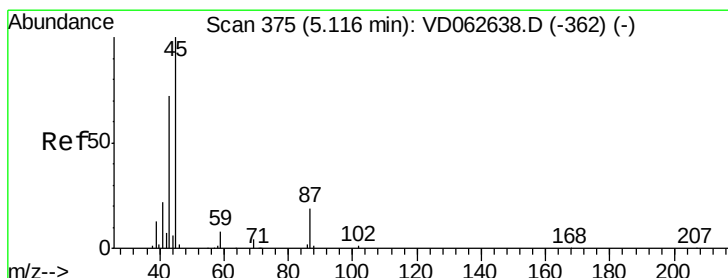
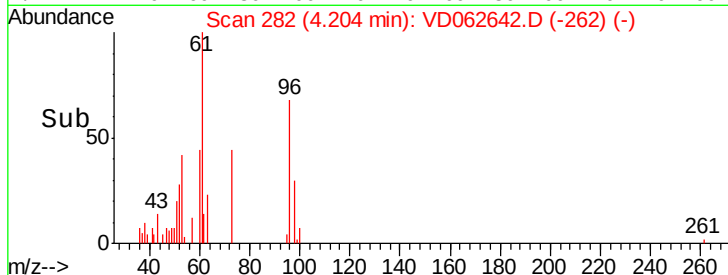
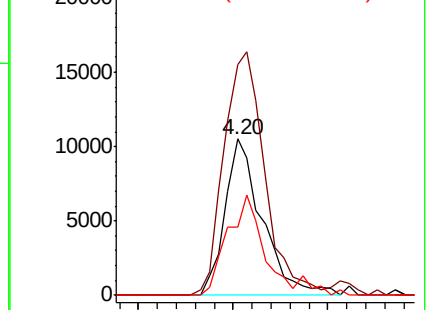
96 100

61 148.1 134.6 201.8

98 43.9 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: 4.679 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Tgt Ion: 45 Resp: 93429

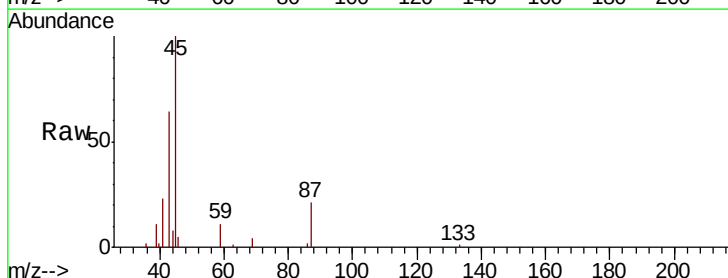
Ion Ratio Lower Upper

45 100

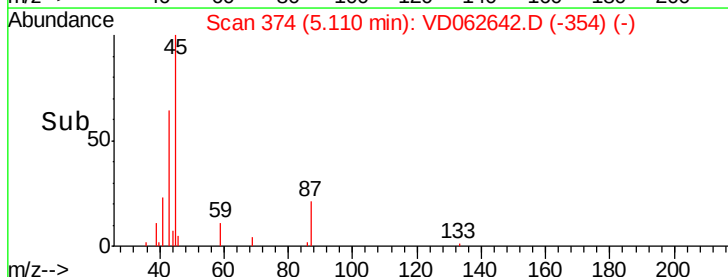
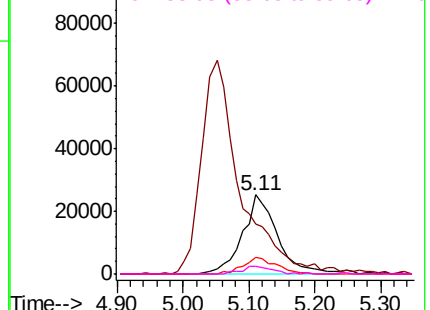
43 63.9 58.8 88.2

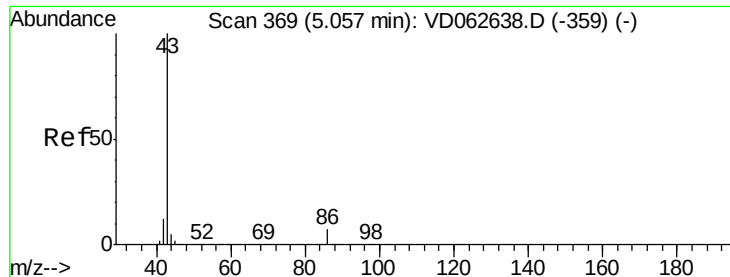
87 21.0 15.7 23.5

59 10.5 6.6 9.8#



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





#23

Vinyl Acetate

Concen: 21.723 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

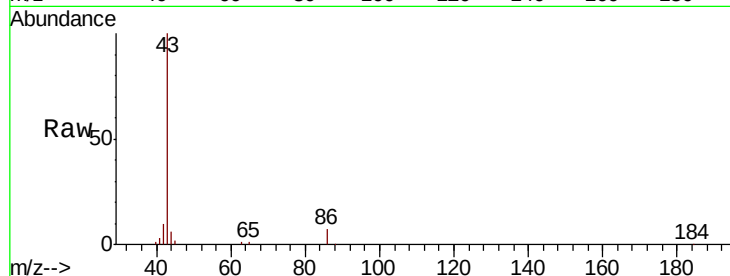
VSTDIC005

Tot Ion: 43 Resp: 273690

Ion Ratio Lower Upper

43 100

86 7.3 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

80000

60000

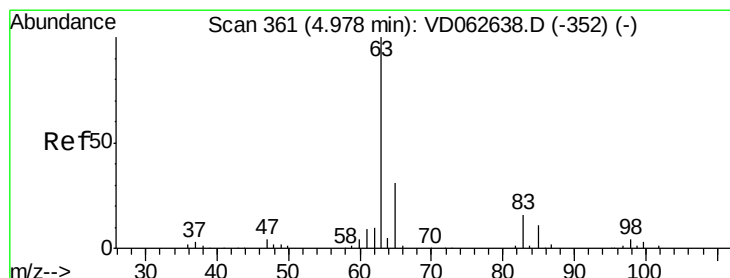
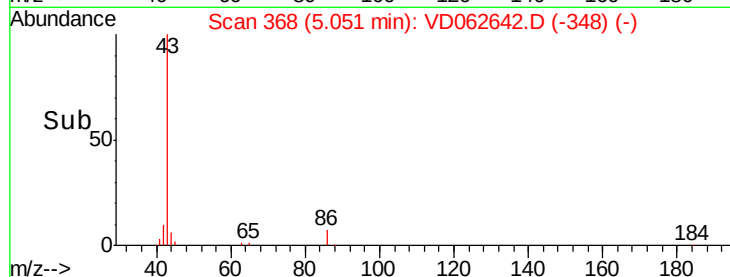
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 4.266 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

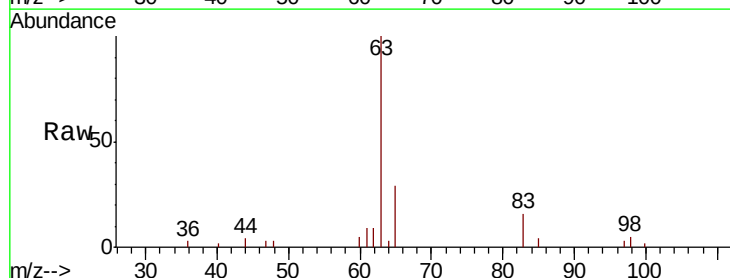
Tgt Ion: 63 Resp: 56244

Ion Ratio Lower Upper

63 100

98 5.5 1.8 5.4#

100 2.0 1.5 4.4



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

4.98

20000

15000

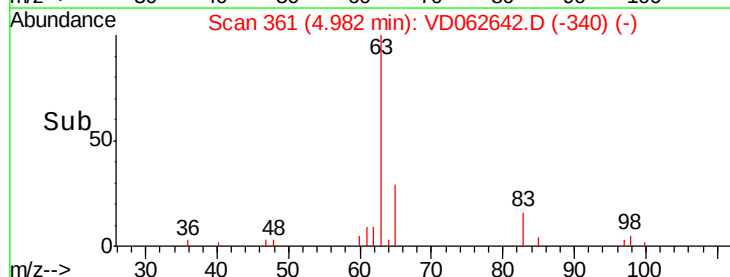
10000

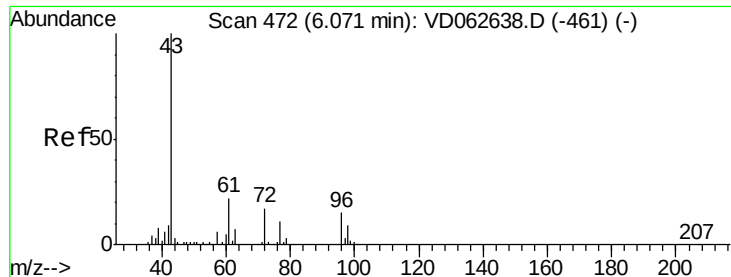
5000

0

Time-->

4.90 5.00 5.10





#25

2-Butanone

Concen: 22.584 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

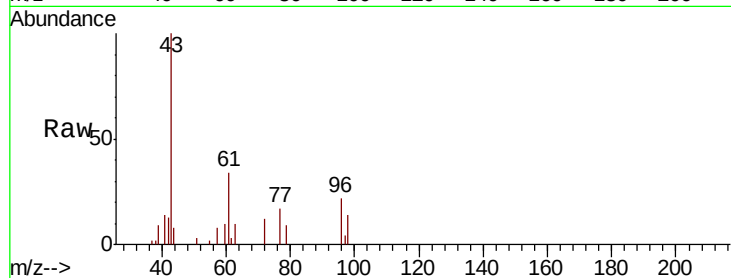
VSTDIC005

Tot Ion: 43 Resp: 42224

Ion Ratio Lower Upper

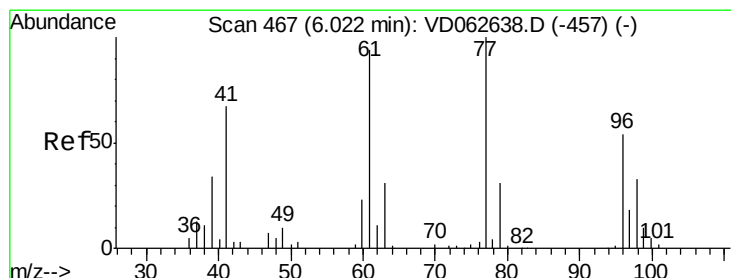
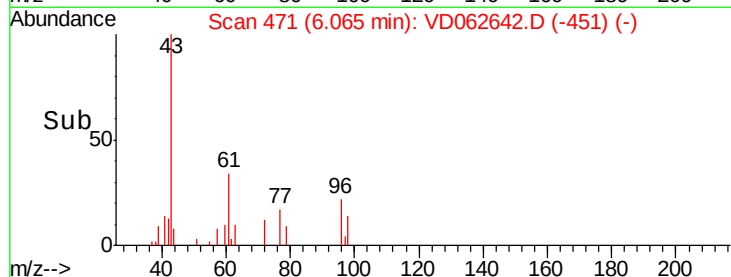
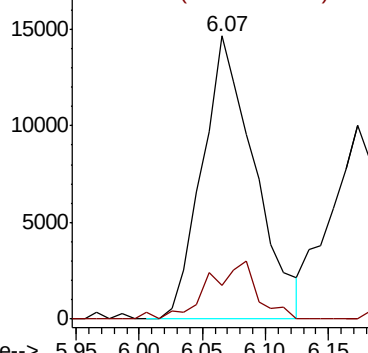
43 100

72 12.0 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.299 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062642.D

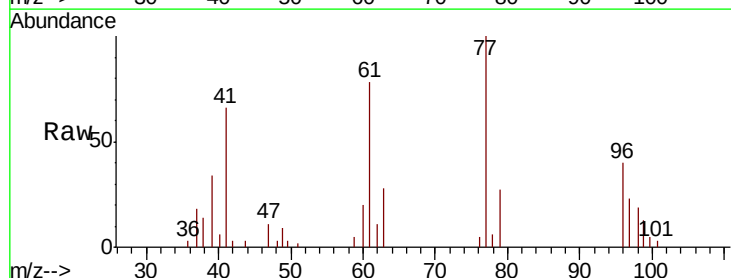
Acq: 7 Jun 2019 14:10

Tgt Ion: 77 Resp: 65575

Ion Ratio Lower Upper

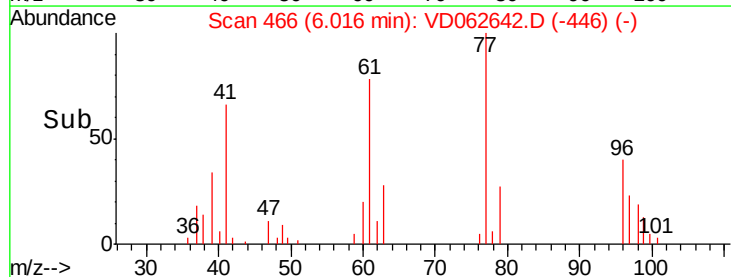
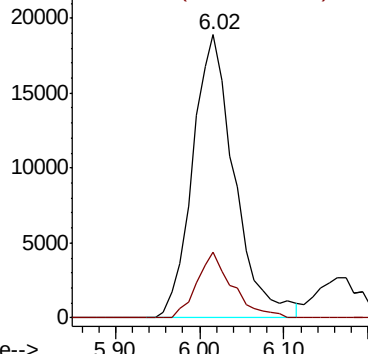
77 100

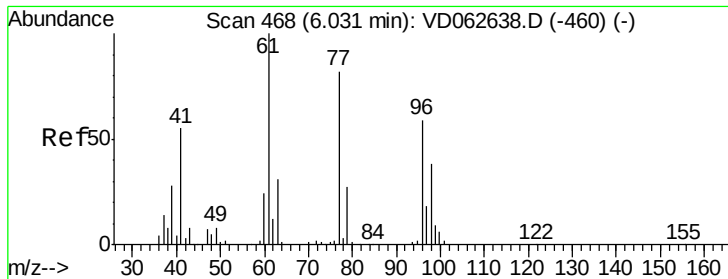
97 23.2 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 4.578 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

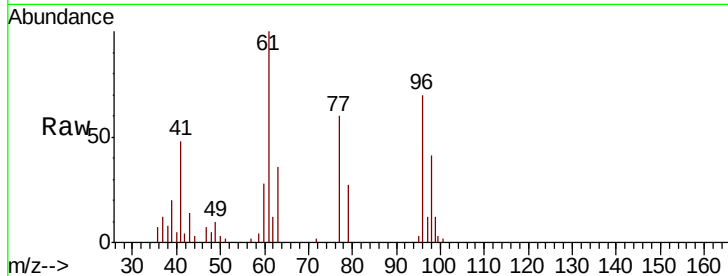
Tot Ion: 96 Resp: 34627

Ion Ratio Lower Upper

96 100

61 143.9 0.0 340.0

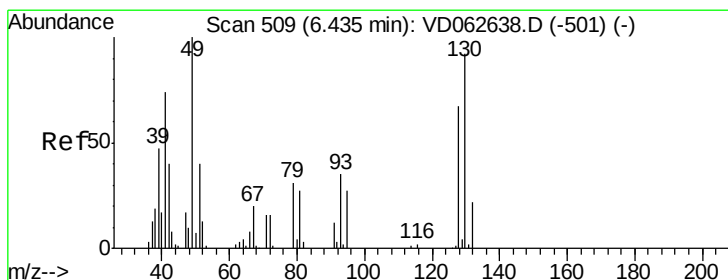
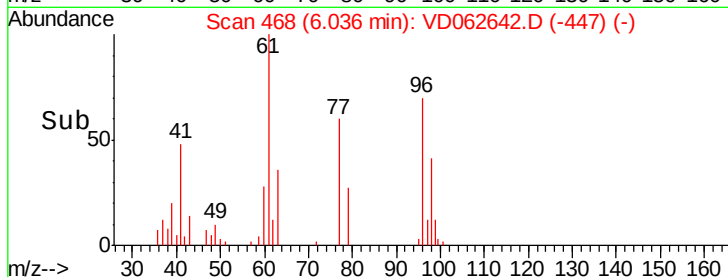
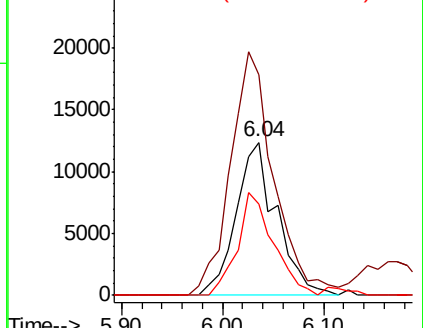
98 59.4 0.0 127.6



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: 5.300 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

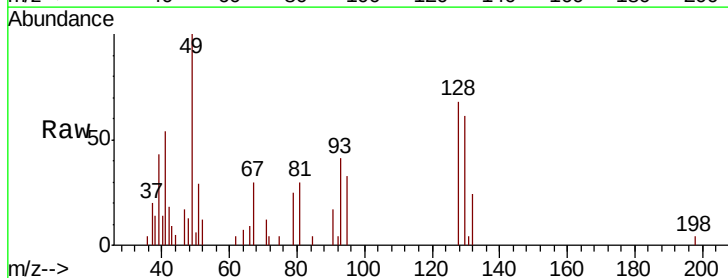
Tgt Ion: 49 Resp: 25023

Ion Ratio Lower Upper

49 100

129 0.0 0.0 8.2

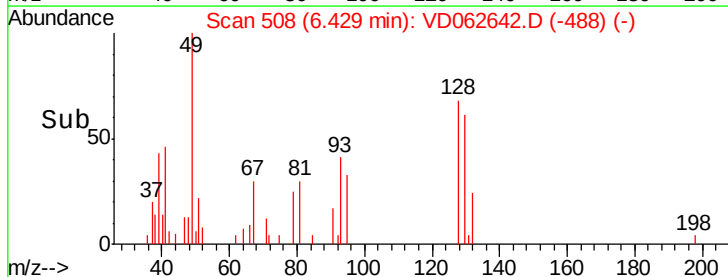
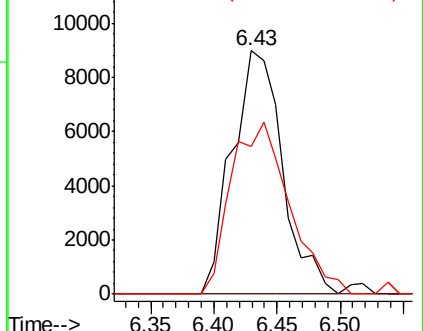
130 60.8 73.4 110.0#

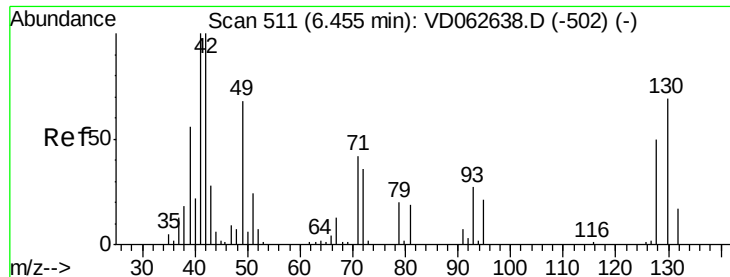


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 24.314 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

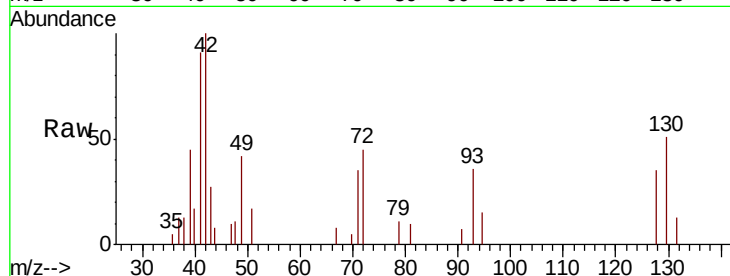
Tot Ion: 42 Resp: 20456

Ion Ratio Lower Upper

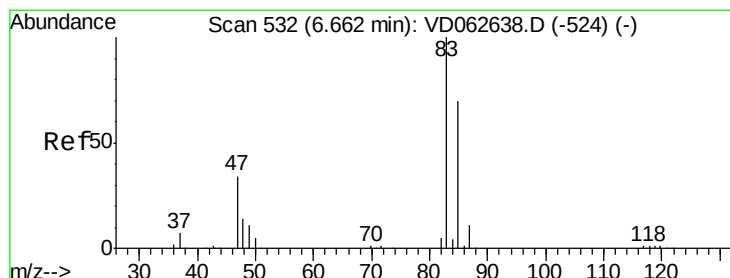
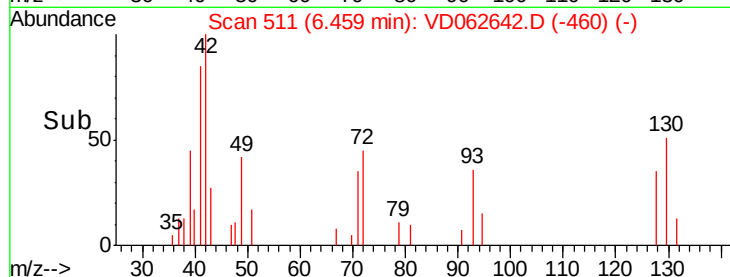
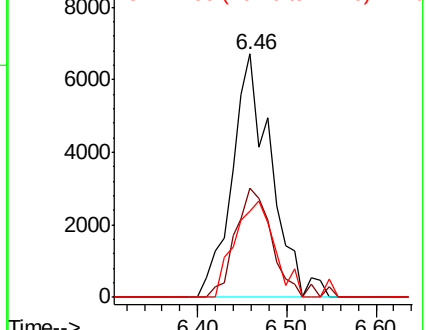
42 100

72 41.4 33.8 50.6

71 40.6 34.2 51.4



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



#30

Chloroform

Concen: 4.338 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062642.D

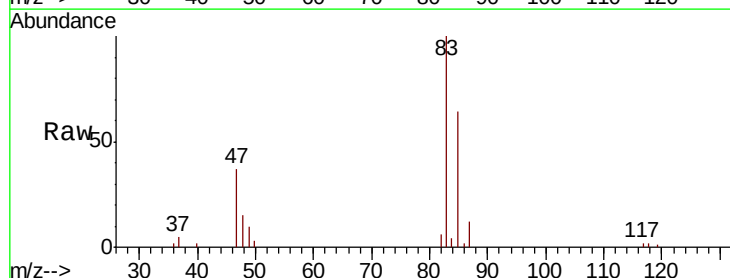
Acq: 7 Jun 2019 14:10

Tgt Ion: 83 Resp: 73617

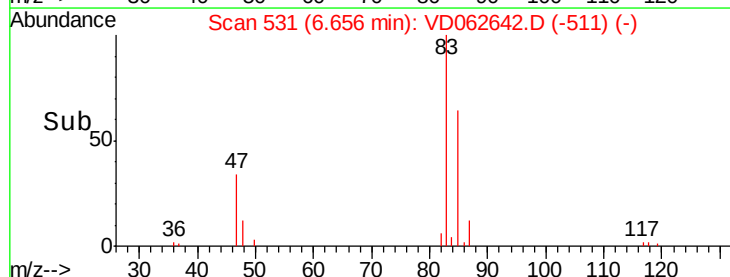
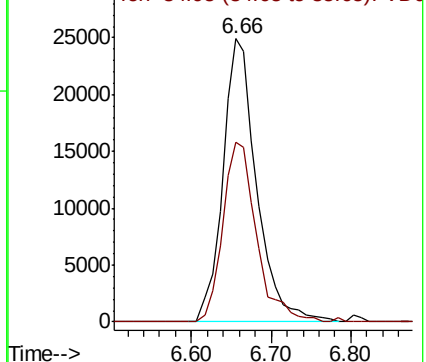
Ion Ratio Lower Upper

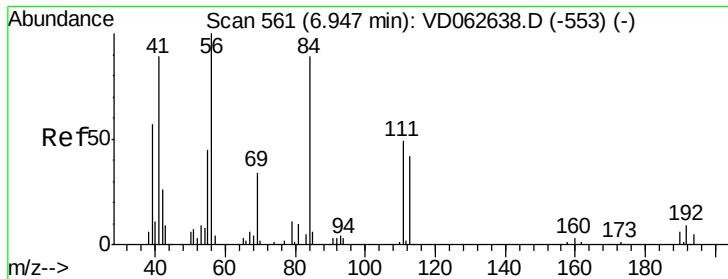
83 100

85 63.5 55.8 83.6



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

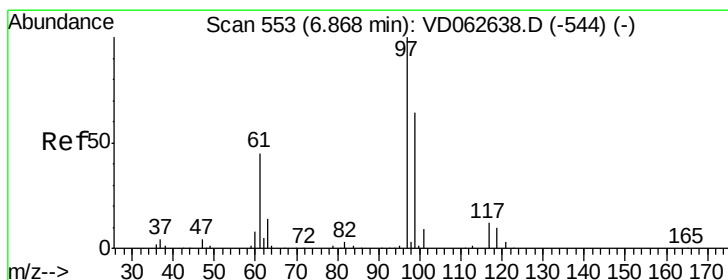
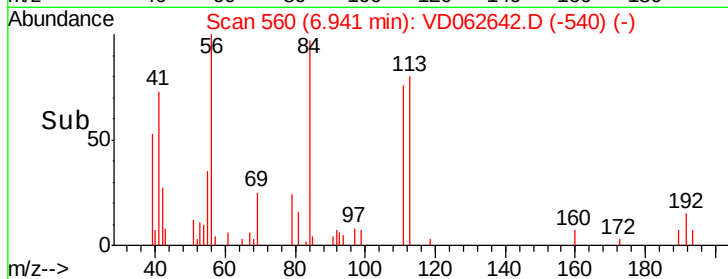
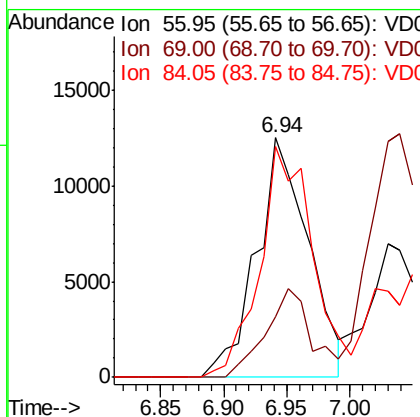
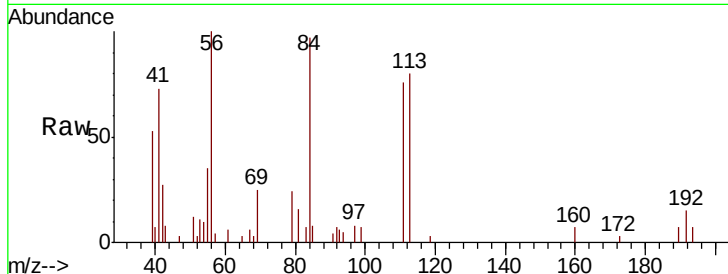




#31
Cyclohexane
Concen: 4.432 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

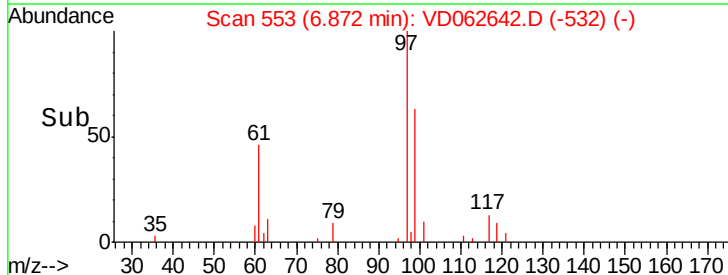
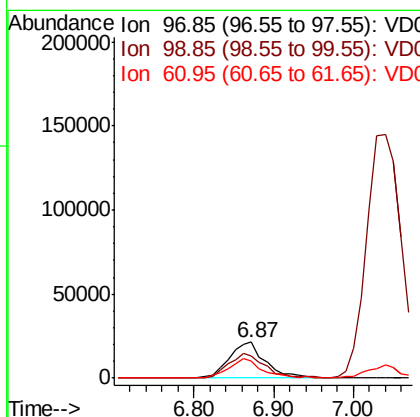
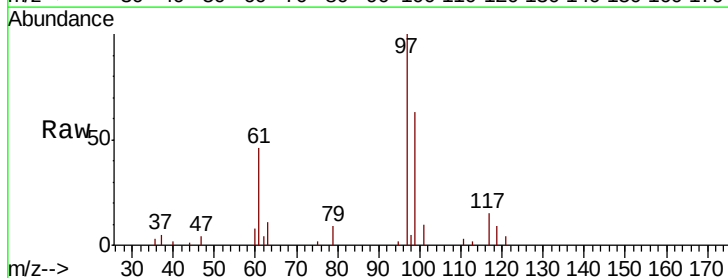
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

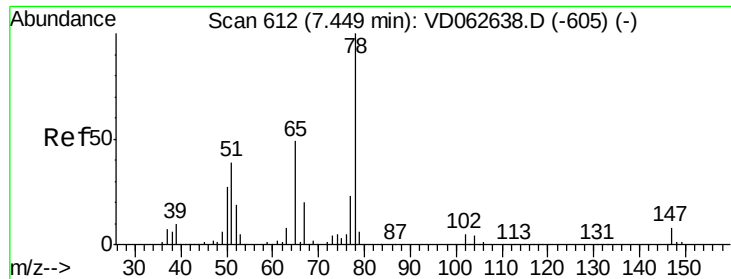
Tot Ion: 56 Resp: 35813
Ion Ratio Lower Upper
56 100
69 25.3 26.8 40.2#
84 96.7 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 3.934 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 97 Resp: 67523
Ion Ratio Lower Upper
97 100
99 62.6 51.4 77.0
61 46.3 35.6 53.4

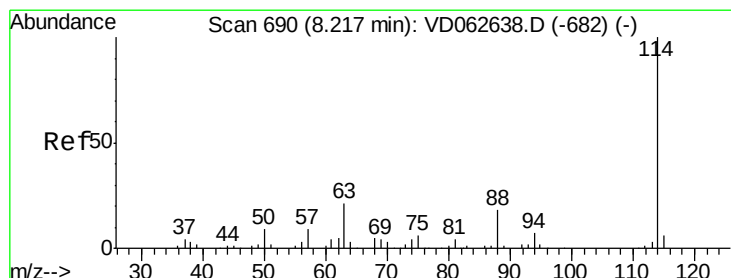
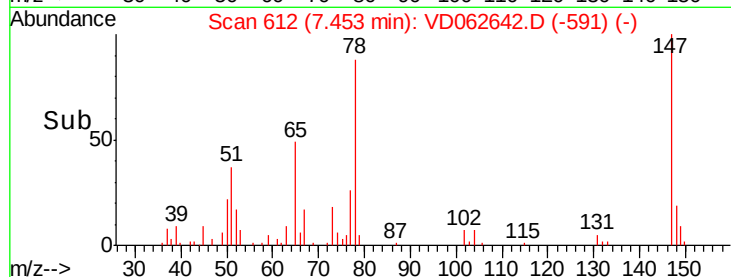
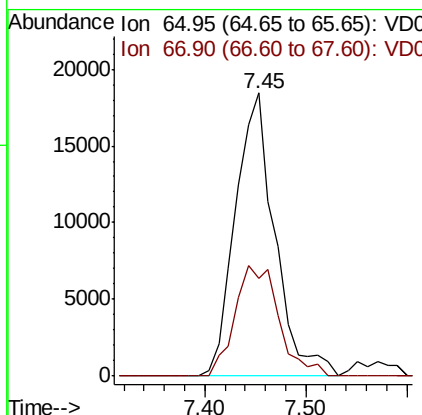
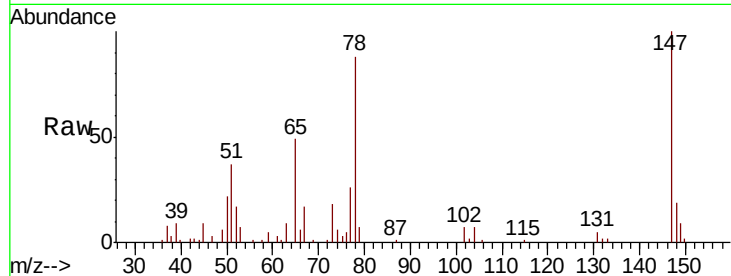




#33
 1,2-Dichloroethane-d4
 Concen: 4.856 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

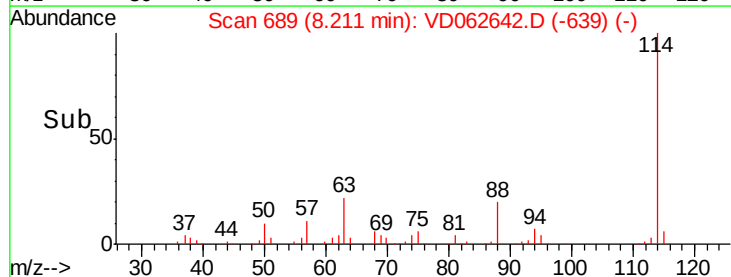
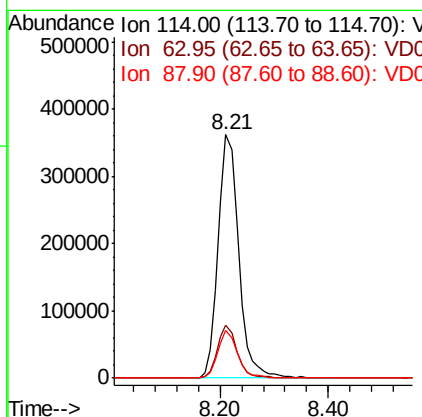
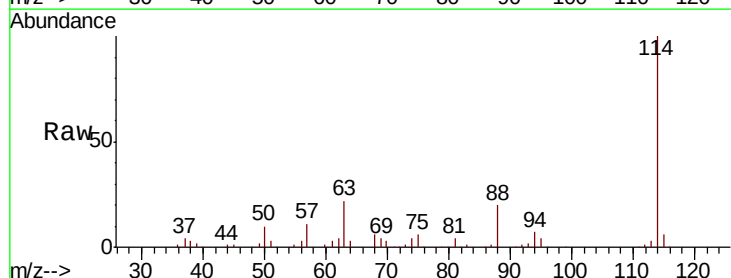
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

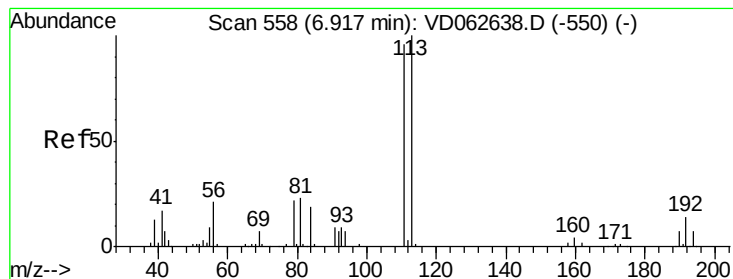
Tot Ion: 65 Resp: 50124
 Ion Ratio Lower Upper
 65 100
 67 34.7 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion: 114 Resp: 952344
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.4
 88 19.6 0.0 36.8





#35

Dibromofluoromethane

Concen: 5.227 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

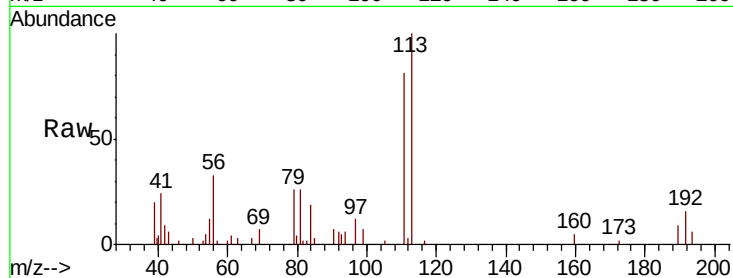
Tot Ion:113 Resp: 52511

Ion Ratio Lower Upper

113 100

111 81.3 76.4 114.6

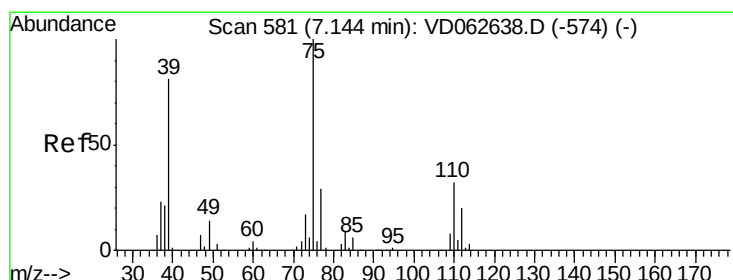
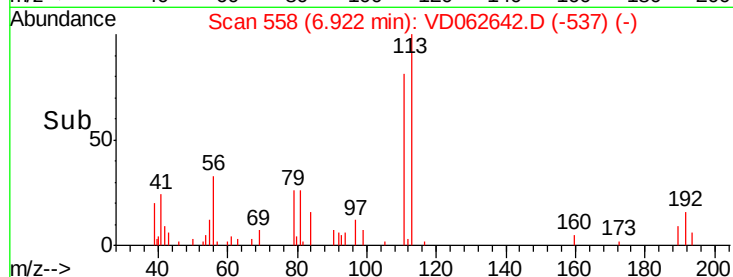
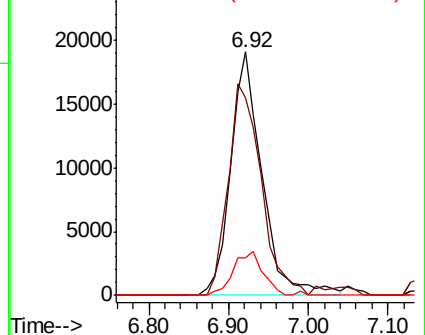
192 15.7 11.4 17.0



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: 4.385 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

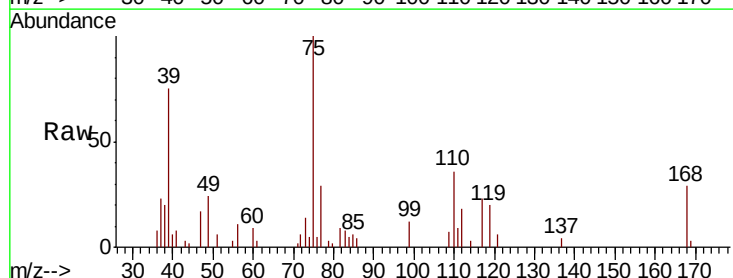
Tgt Ion: 75 Resp: 49736

Ion Ratio Lower Upper

75 100

110 35.7 15.9 47.7

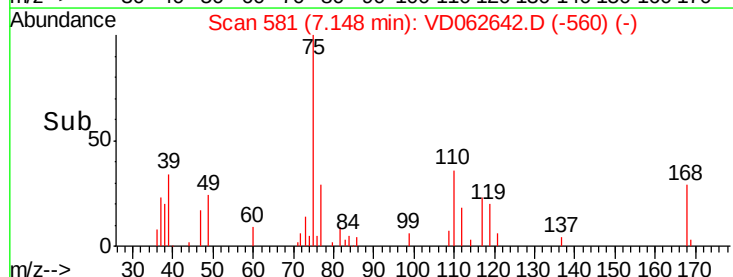
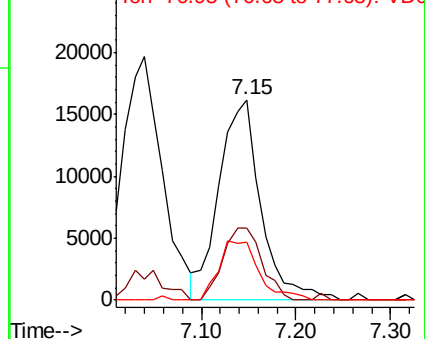
77 28.7 23.3 34.9

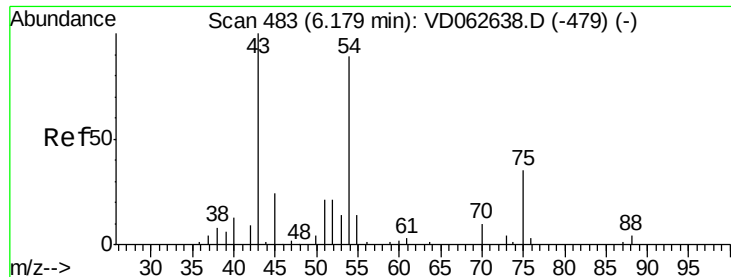


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

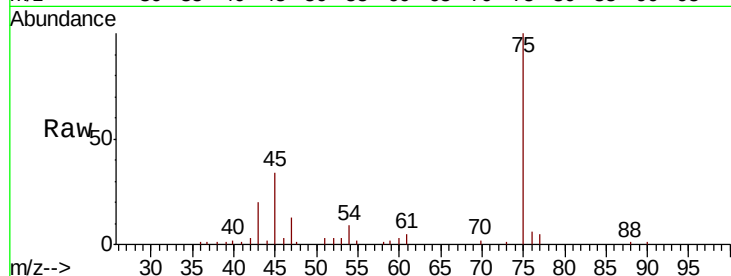




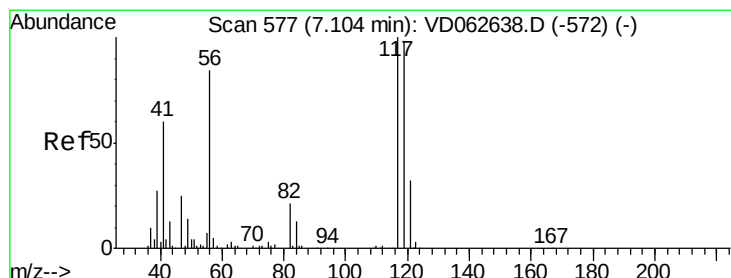
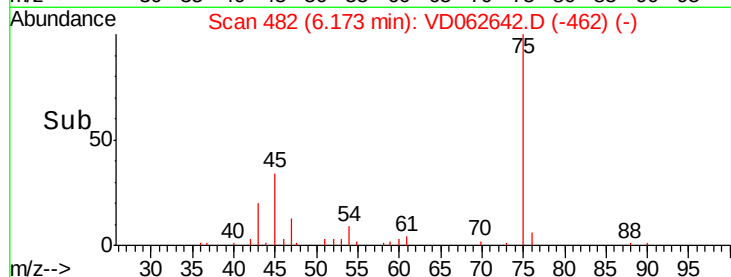
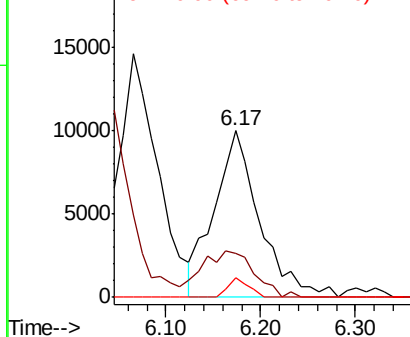
#37
Ethyl Acetate
Concen: 6.741 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 33330
Ion Ratio Lower Upper
43 100
61 26.7 8.7 13.1#
70 11.8 6.5 9.7#

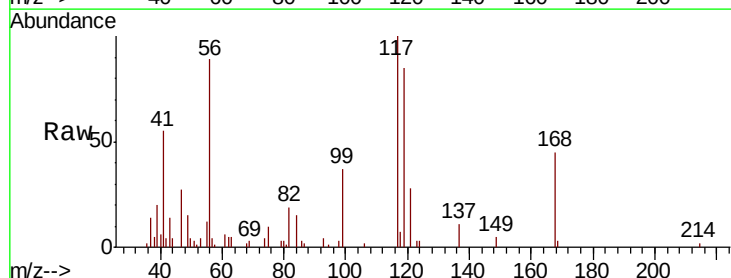


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

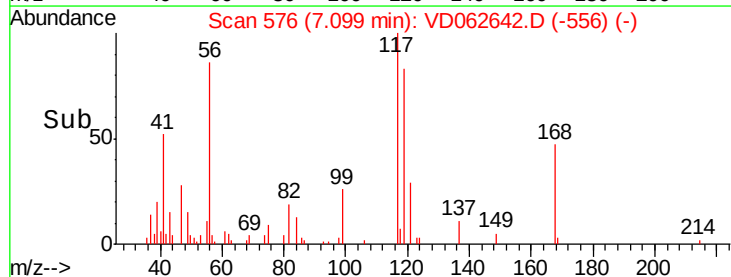
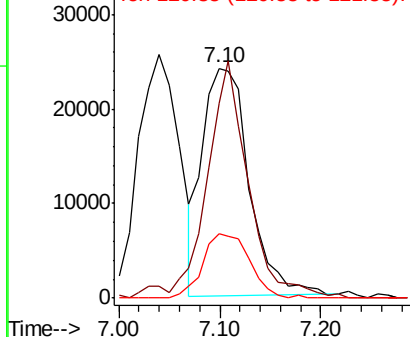


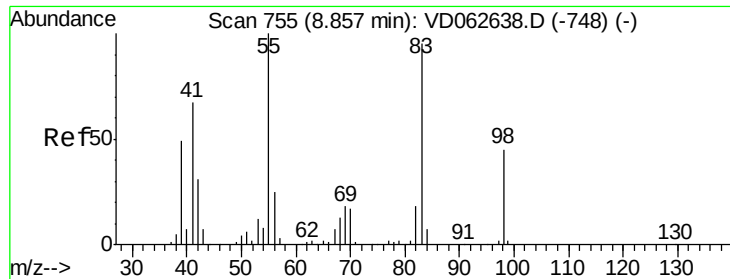
#38
Carbon Tetrachloride
Concen: 4.317 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 117 Resp: 77294
Ion Ratio Lower Upper
117 100
119 84.9 73.5 110.3
121 28.2 24.2 36.4



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

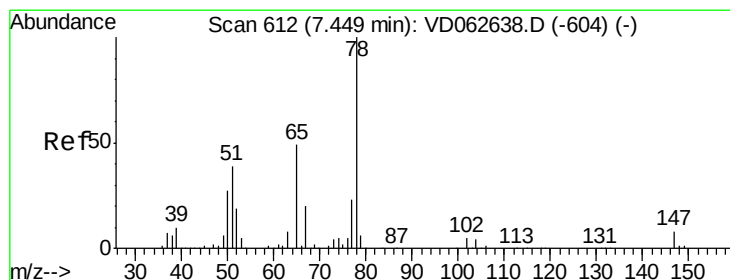
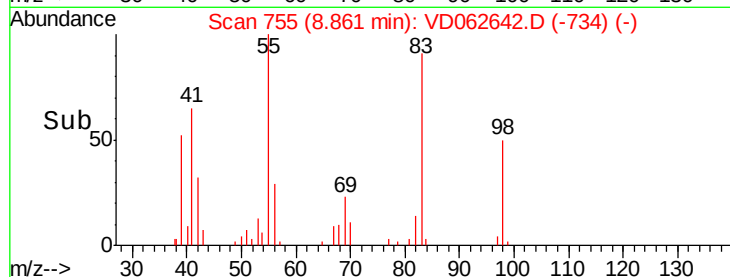
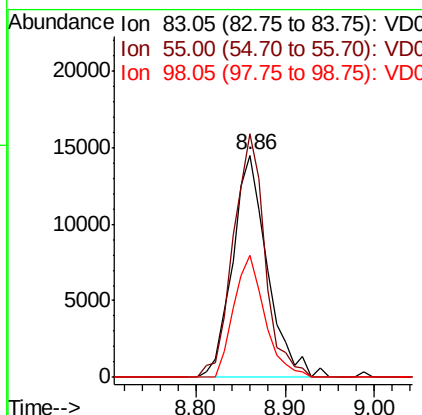
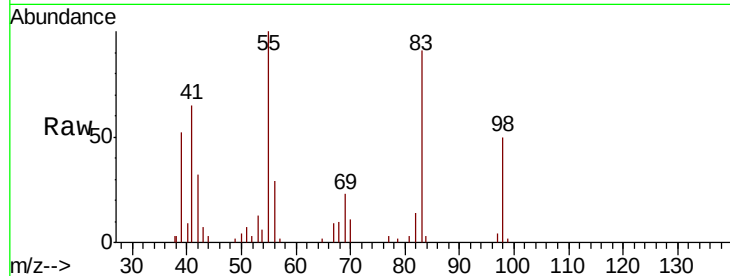




#39
Methylvlcyclohexane
Concen: 4.383 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

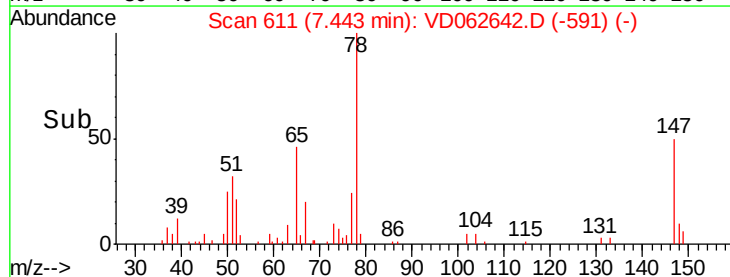
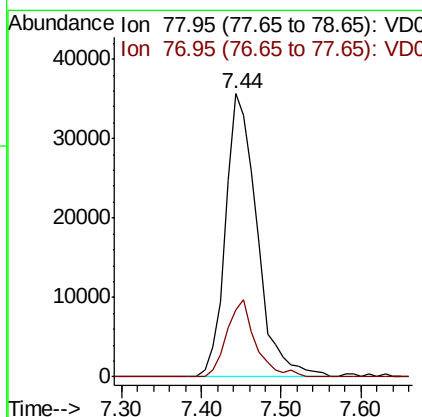
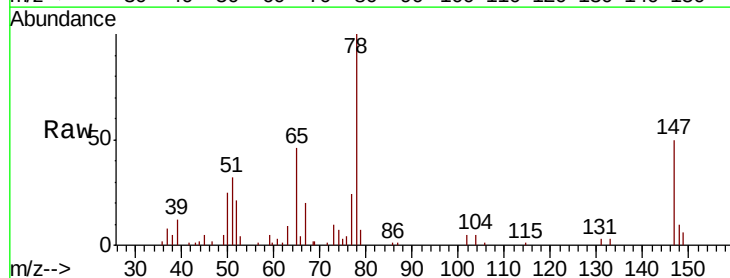
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

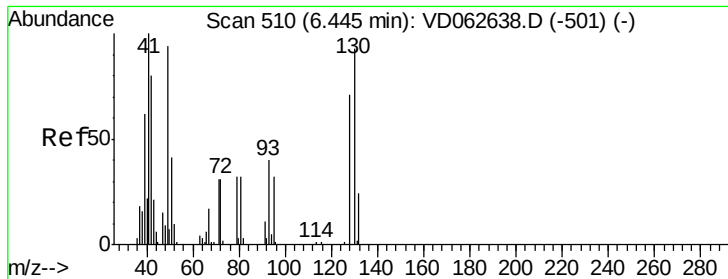
Tot Ion: 83 Resp: 39565
Ion Ratio Lower Upper
83 100
55 109.6 84.6 127.0
98 55.1 38.2 57.4



#40
Benzene
Concen: 4.570 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 78 Resp: 98736
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

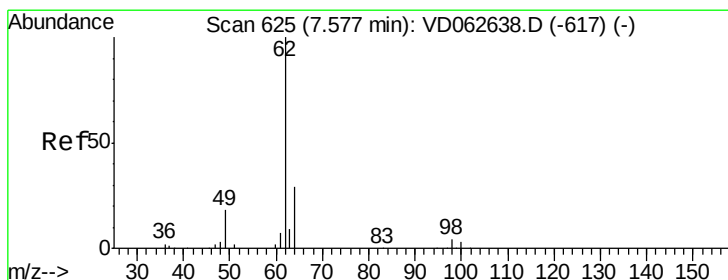
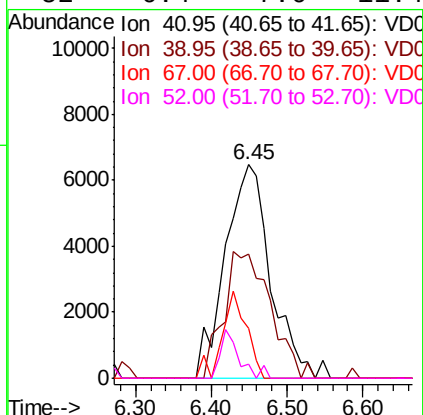
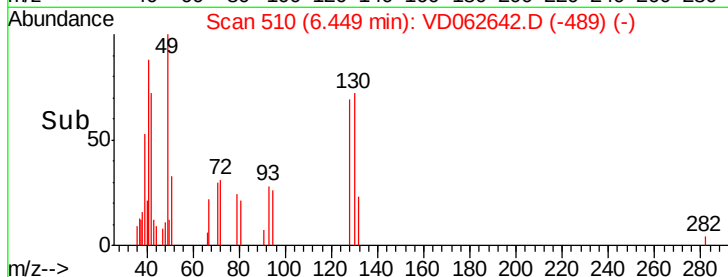
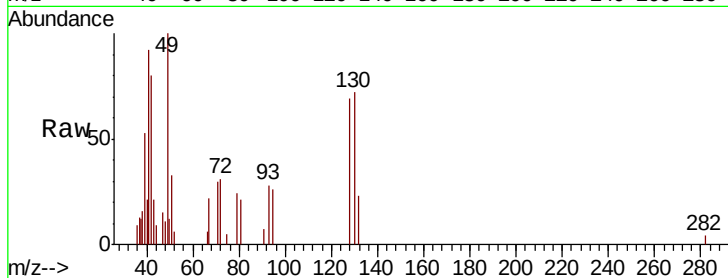




#41
Methacrylonitrile
Concen: 4.571 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

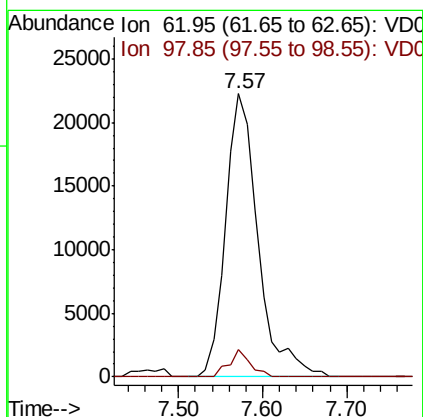
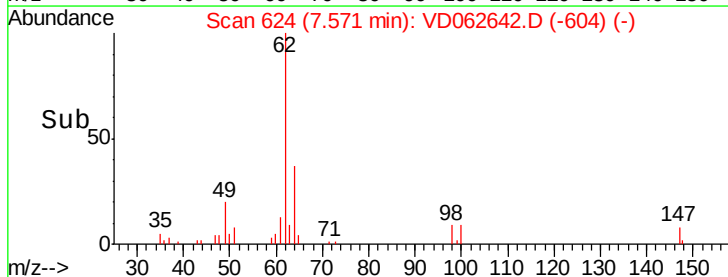
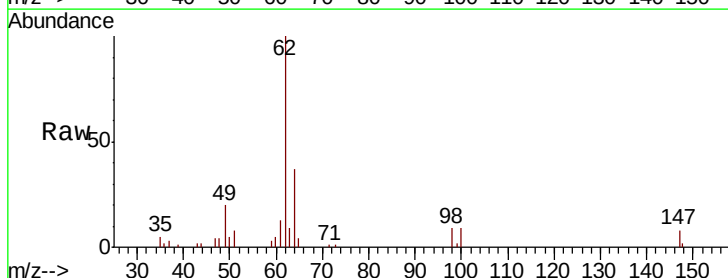
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

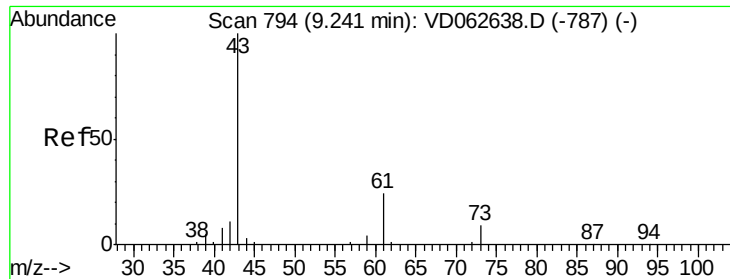
Tot Ion: 41 Resp: 27088
Ion Ratio Lower Upper
41 100
39 57.9 49.2 73.8
67 23.6 13.9 20.9#
52 6.4 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 4.599 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 62 Resp: 59587
Ion Ratio Lower Upper
62 100
98 9.5 0.0 7.4#





#43

Isopropyl Acetate

Concen: 4.908 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

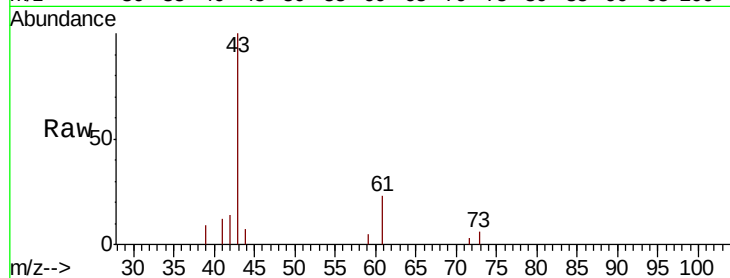
Tot Ion: 43 Resp: 28496

Ion Ratio Lower Upper

43 100

61 22.7 19.0 28.6

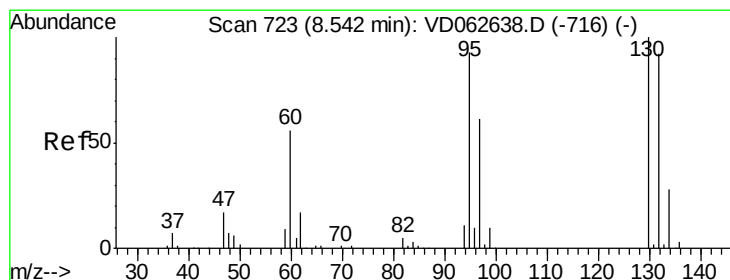
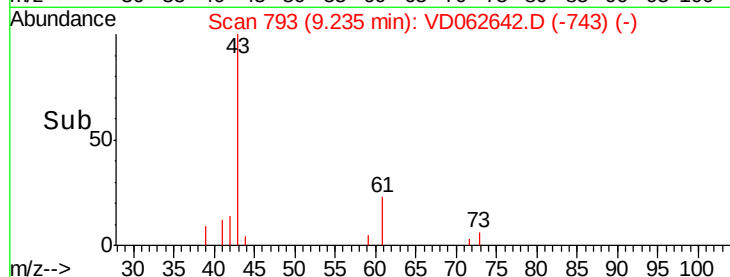
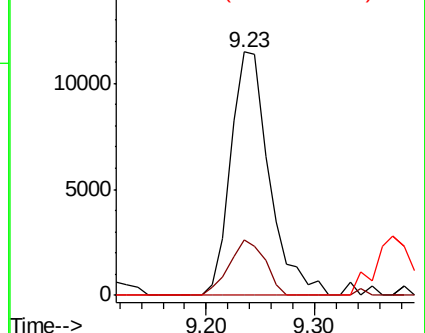
87 0.0 0.3 0.5#



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: 4.327 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062642.D

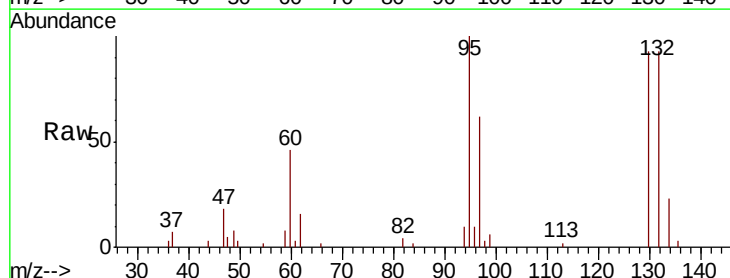
Acq: 7 Jun 2019 14:10

Tgt Ion:130 Resp: 38590

Ion Ratio Lower Upper

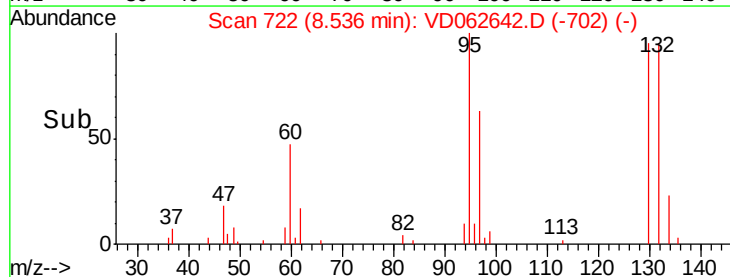
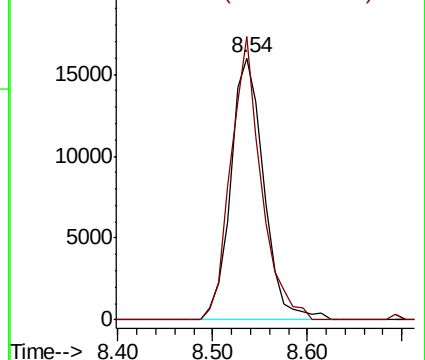
130 100

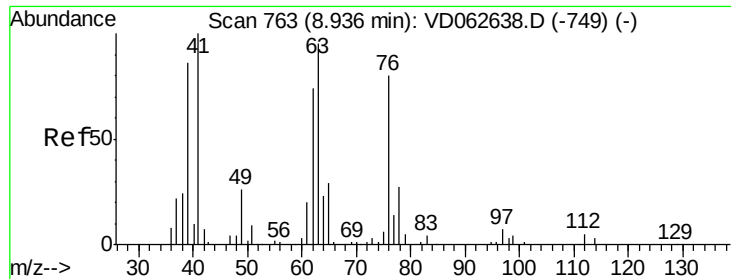
95 107.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

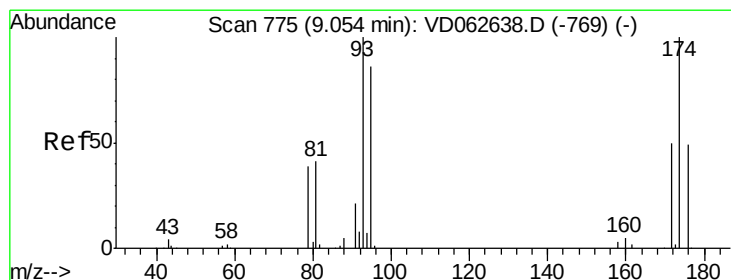
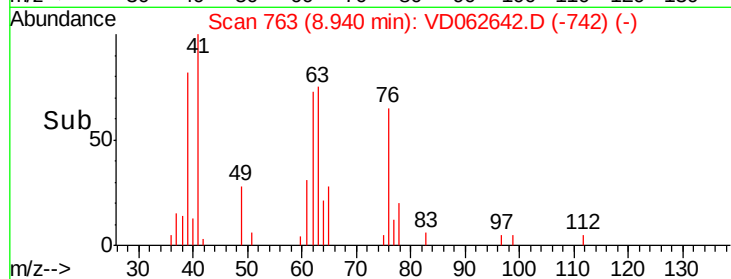
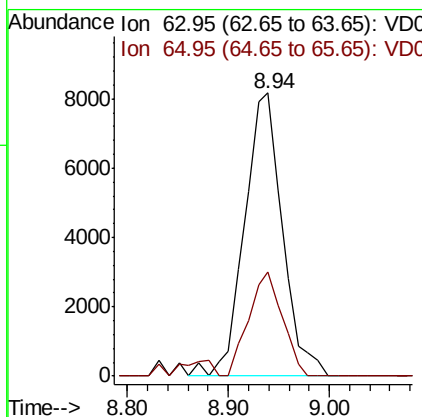
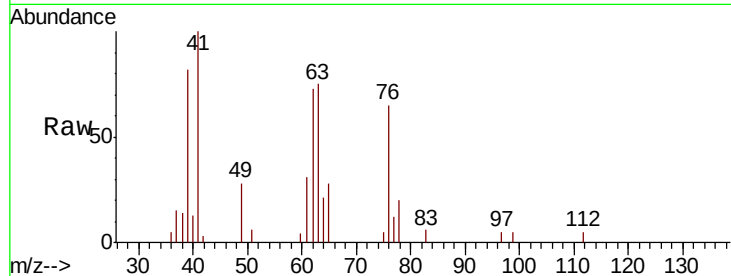




#45
 1,2-Dichloropropane
 Concen: 4.083 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

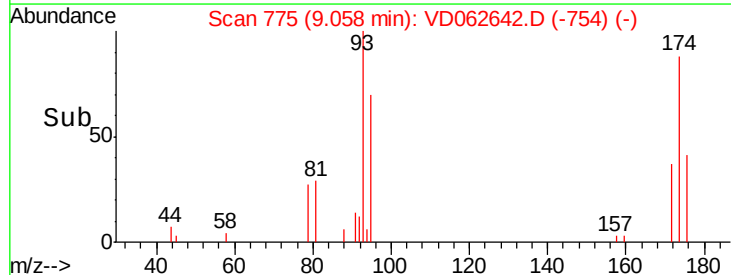
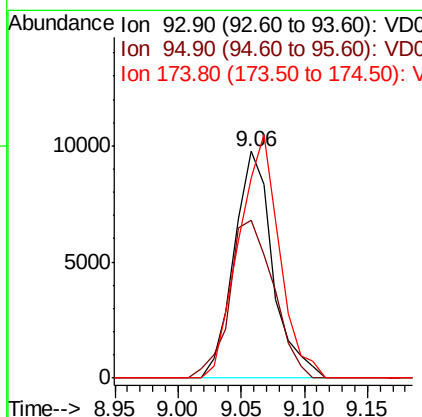
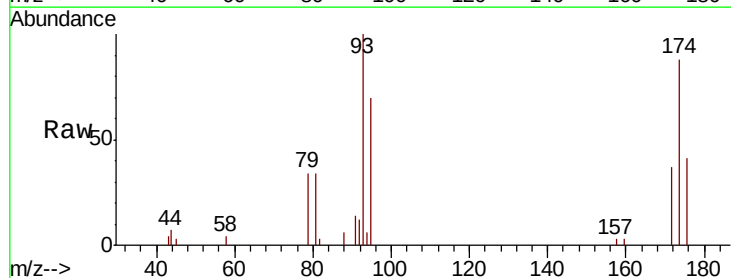
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

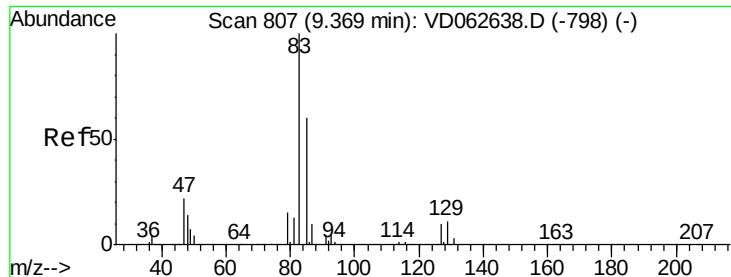
Tot Ion: 63 Resp: 21402
 Ion Ratio Lower Upper
 63 100
 65 36.8 24.6 37.0



#46
 Dibromomethane
 Concen: 4.414 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion: 93 Resp: 20718
 Ion Ratio Lower Upper
 93 100
 95 69.8 68.7 103.1
 174 88.3 79.8 119.8





#47

Bromodichloromethane

Concen: 4.263 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

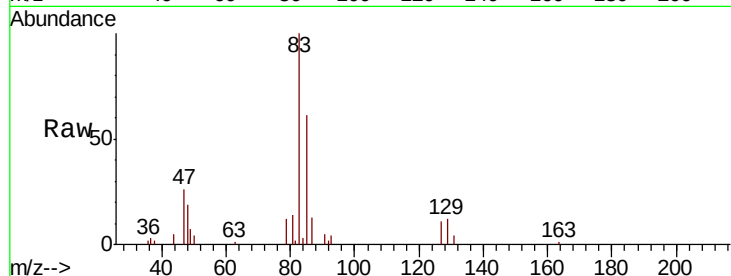
Tot Ion: 83 Resp: 54327

Ion Ratio Lower Upper

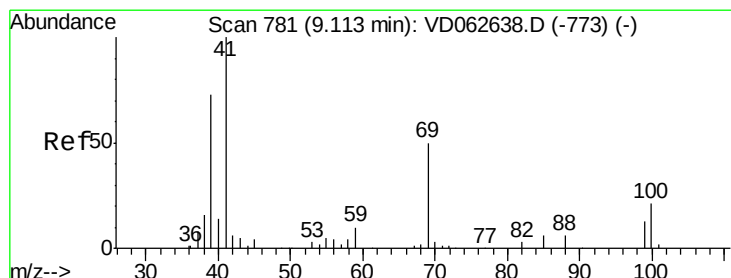
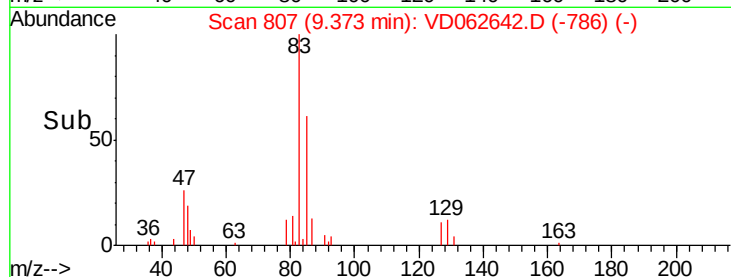
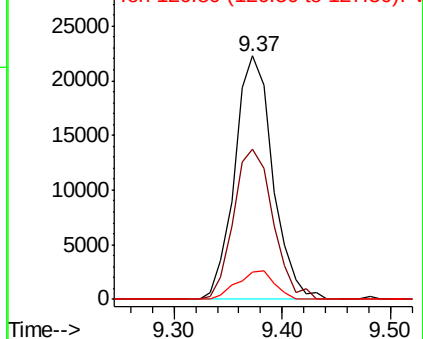
83 100

85 61.5 47.9 71.9

127 11.3 8.2 12.4



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



#48

Methyl methacrylate

Concen: 4.362 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

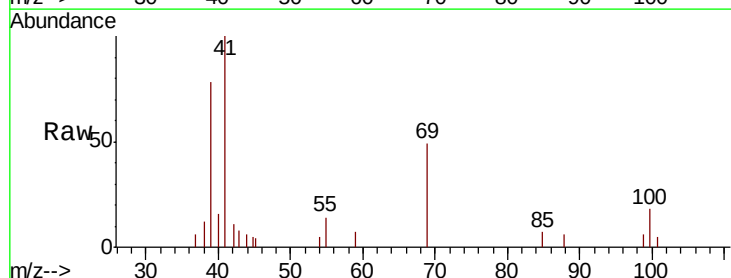
Tgt Ion: 41 Resp: 18854

Ion Ratio Lower Upper

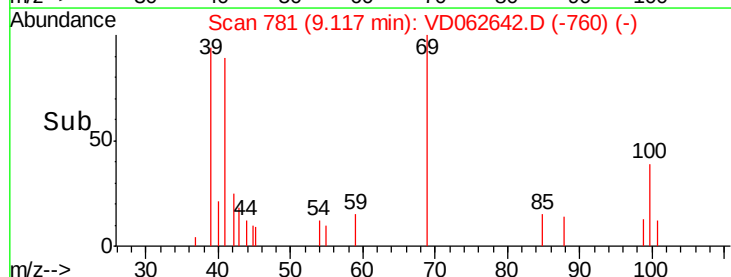
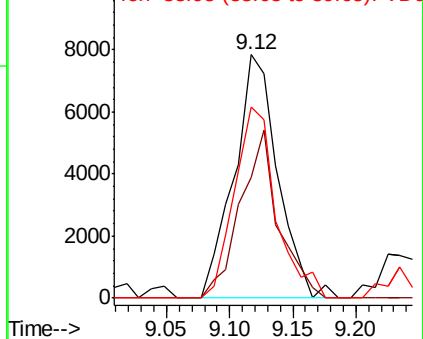
41 100

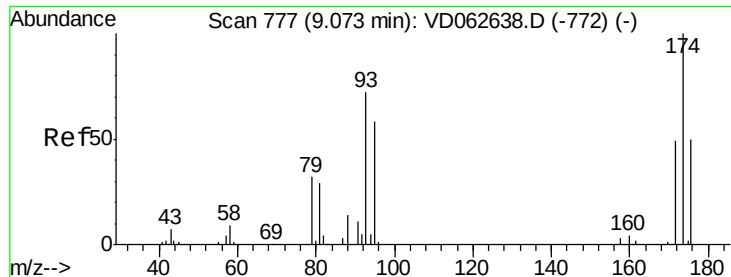
69 49.5 39.8 59.6

39 78.5 59.1 88.7



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

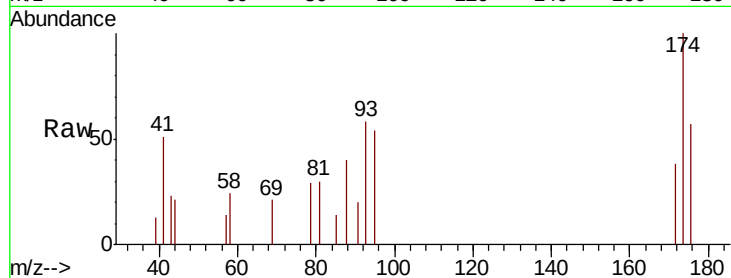




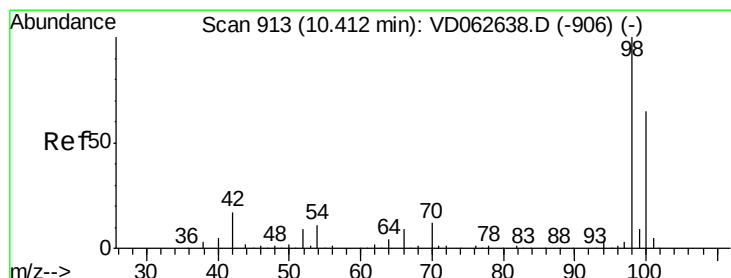
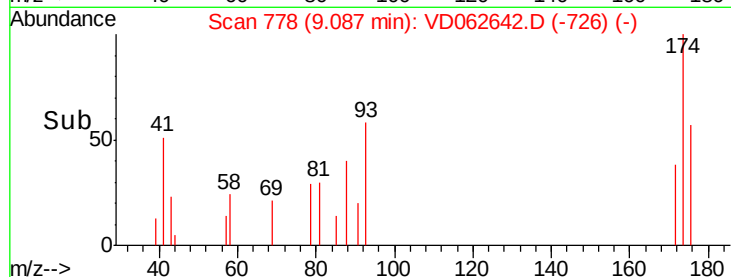
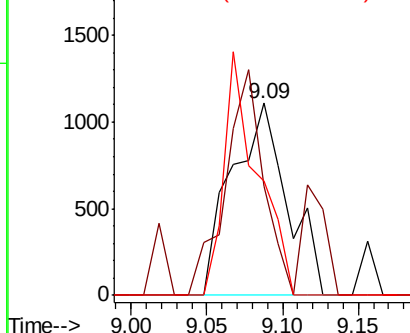
#49
1,4-Dioxane
Concen: 83.438 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 2849
Ion Ratio Lower Upper
88 100
43 57.2 40.7 61.1
58 59.7 54.2 81.4

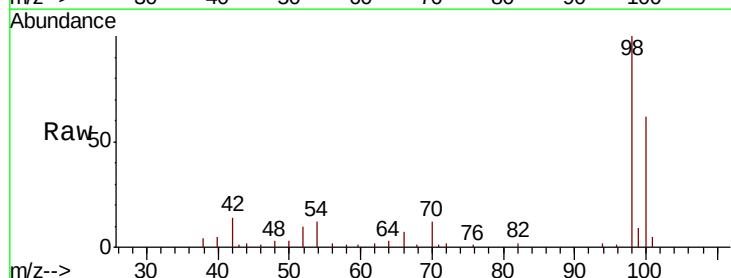


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

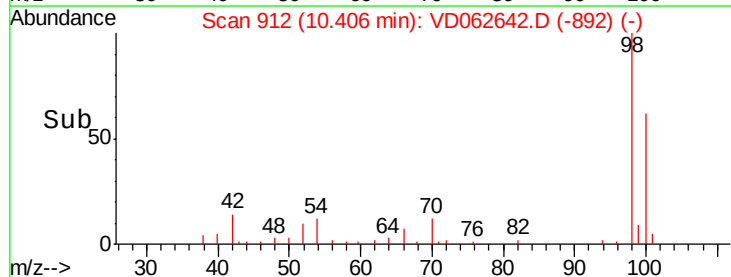
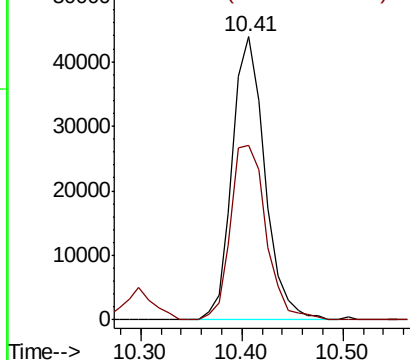


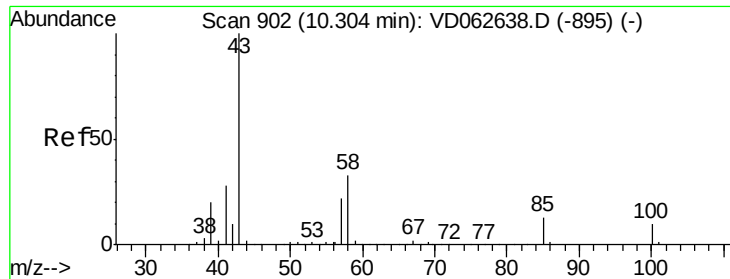
#50
Toluene-d8
Concen: 4.620 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 98 Resp: 98817
Ion Ratio Lower Upper
98 100
100 61.6 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 23.136 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

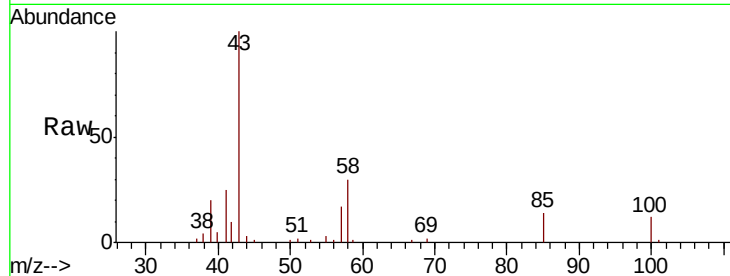
VSTDIC005

Tot Ion: 43 Resp: 95383

Ion Ratio Lower Upper

43 100

58 30.4 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

40000

30000

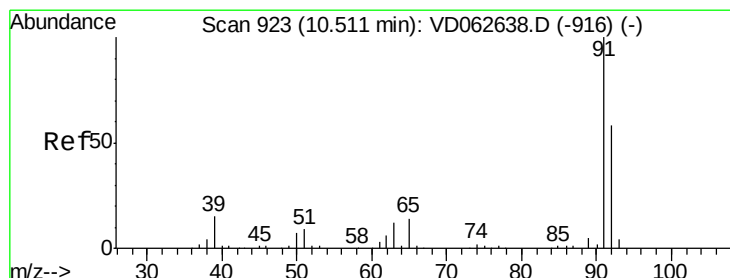
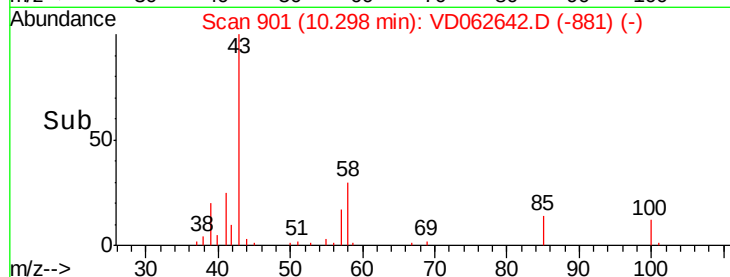
20000

10000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 4.497 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062642.D

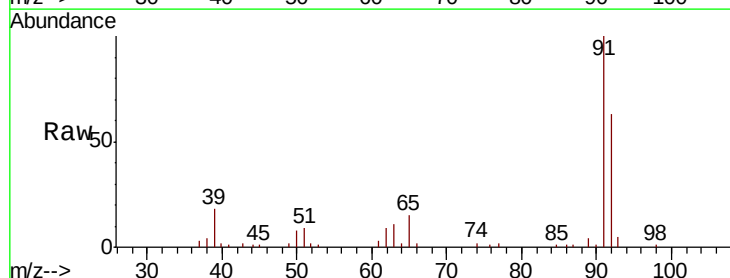
Acq: 7 Jun 2019 14:10

Tgt Ion: 92 Resp: 66486

Ion Ratio Lower Upper

92 100

91 159.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

60000

50000

40000

30000

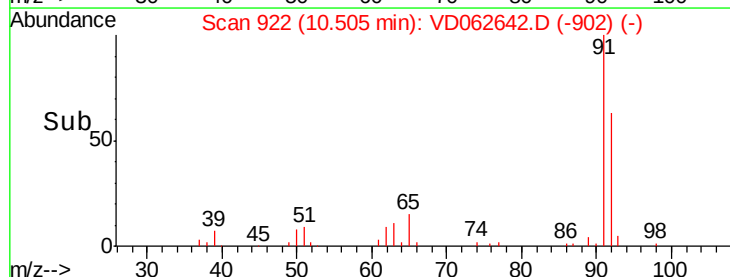
20000

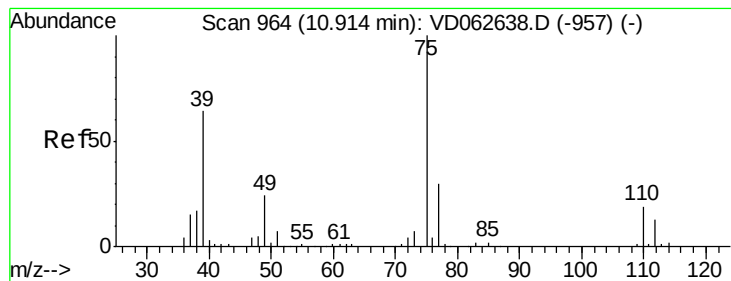
10000

0

Time-->

10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 3.994 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

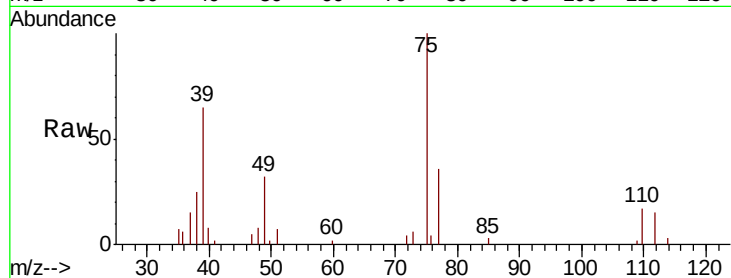
VSTDIC005

Tot Ion: 75 Resp: 41896

Ion Ratio Lower Upper

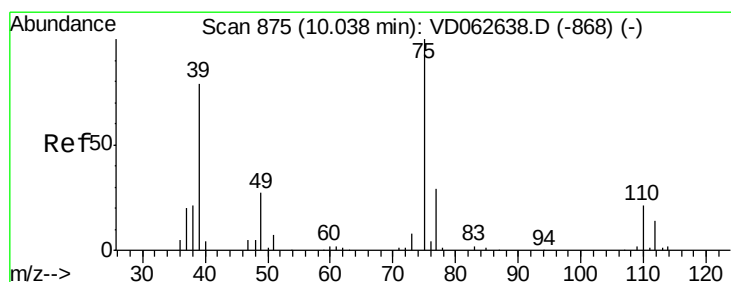
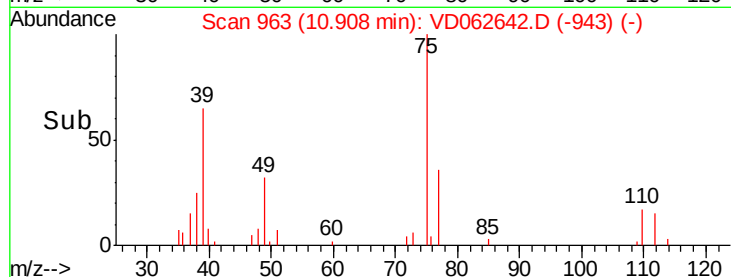
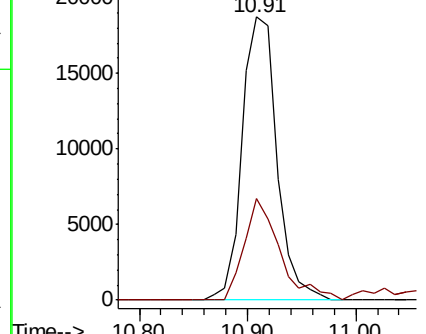
75 100

77 35.9 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 3.967 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

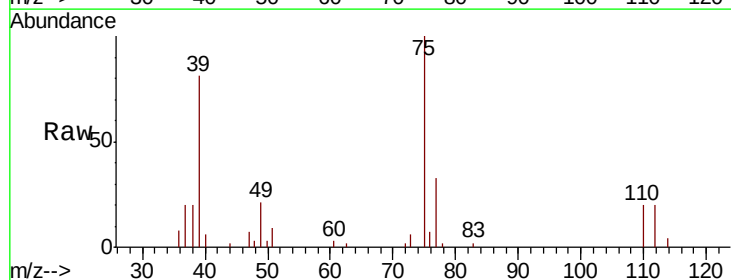
Tgt Ion: 75 Resp: 43061

Ion Ratio Lower Upper

75 100

77 32.9 23.1 34.7

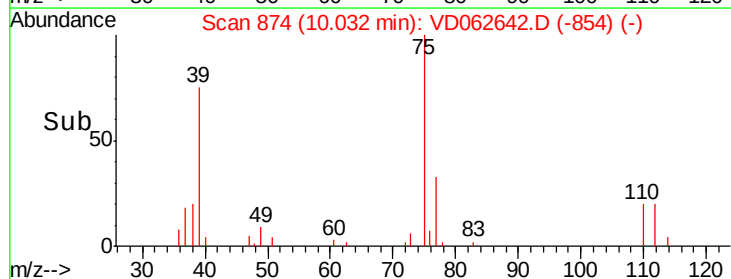
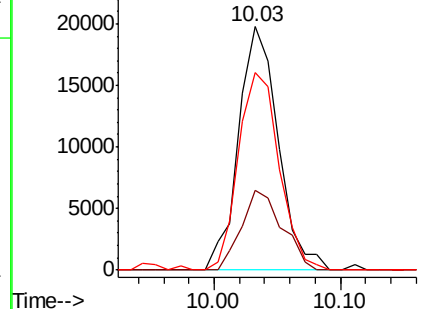
39 81.2 63.4 95.2

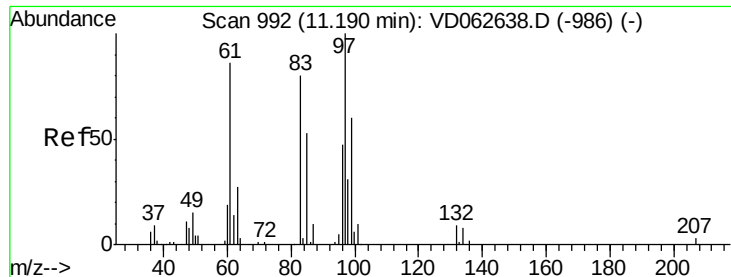


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

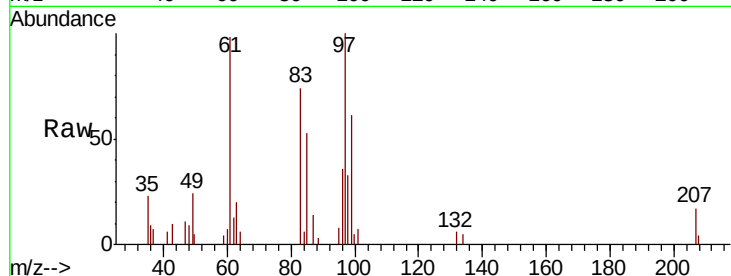




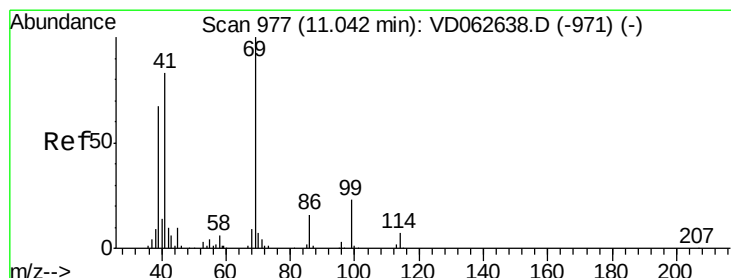
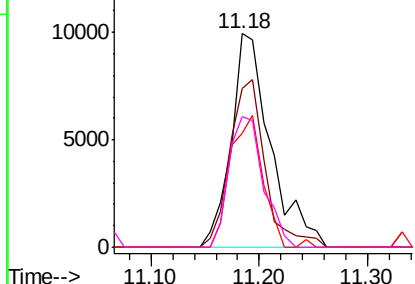
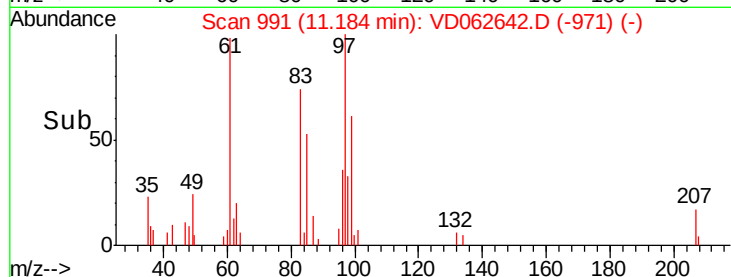
#55
 1,1,2-Trichloroethane
 Concen: 5.094 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 97 Resp: 25164
 Ion Ratio Lower Upper
 97 100
 83 74.3 63.8 95.8
 85 53.4 42.3 63.5
 99 61.4 48.0 72.0

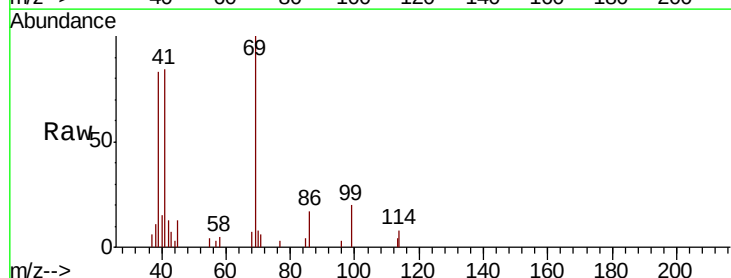


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

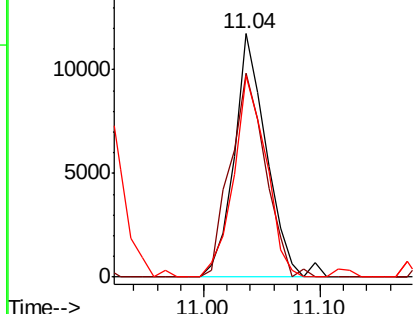
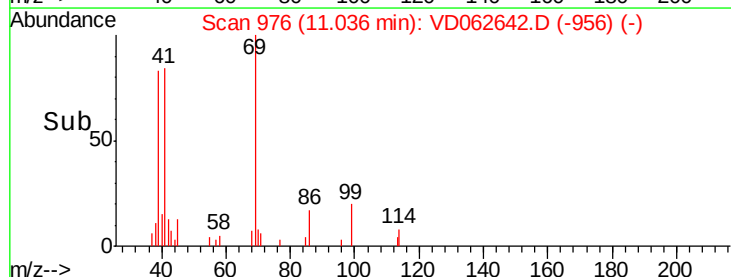


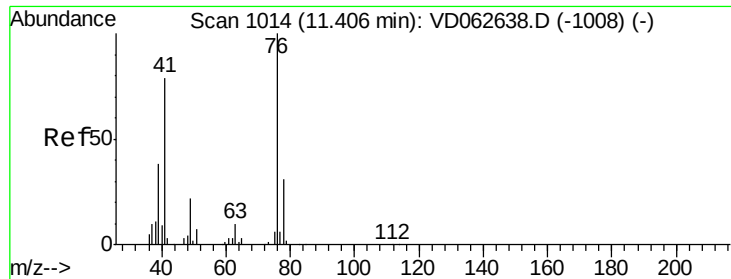
#56
 Ethyl methacrylate
 Concen: 4.180 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion: 69 Resp: 22572
 Ion Ratio Lower Upper
 69 100
 41 84.0 66.2 99.4
 39 82.6 53.8 80.8#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 4.520 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

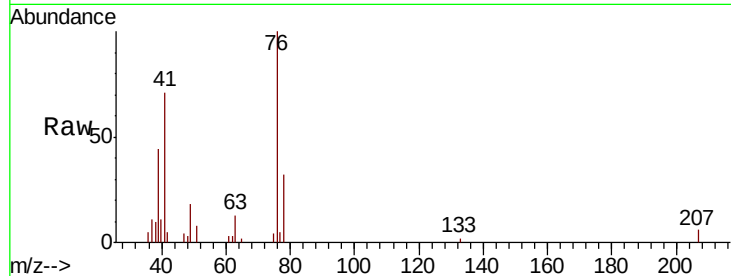
VSTDIC005

Tot Ion: 76 Resp: 35119

Ion Ratio Lower Upper

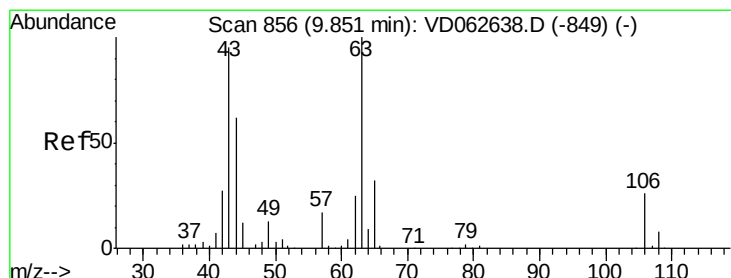
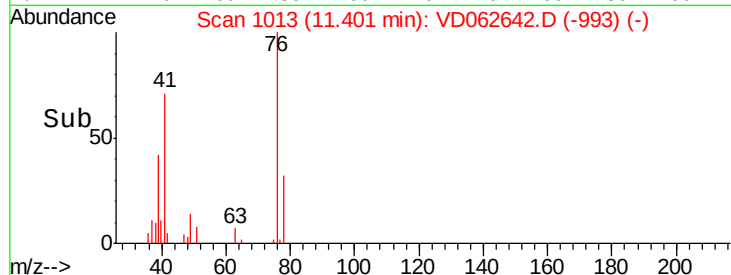
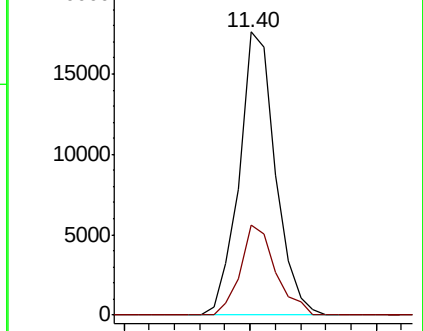
76 100

78 31.7 24.9 37.3



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: 28.526 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062642.D

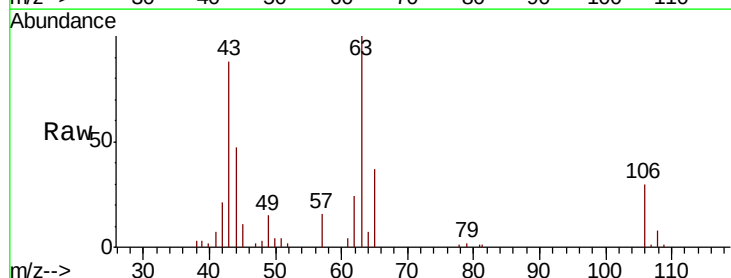
Acq: 7 Jun 2019 14:10

Tgt Ion: 63 Resp: 77414

Ion Ratio Lower Upper

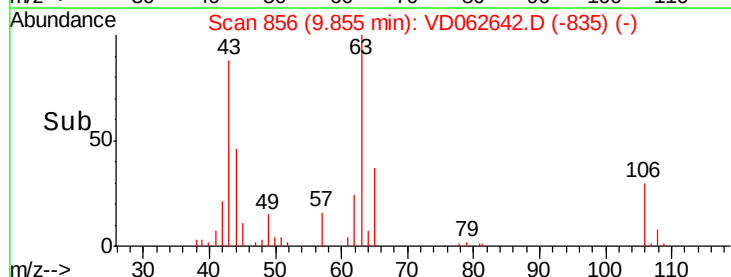
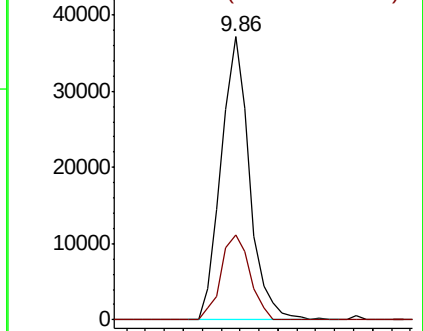
63 100

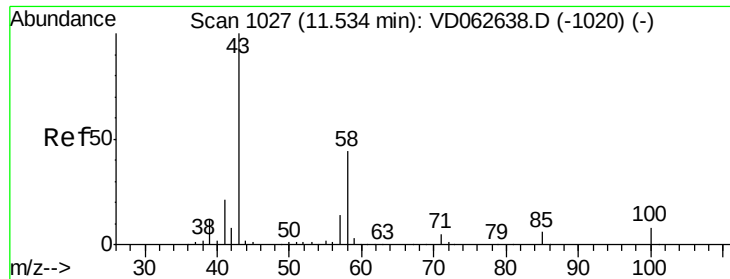
106 29.9 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

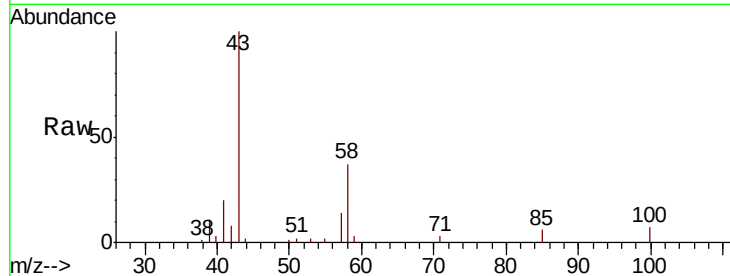




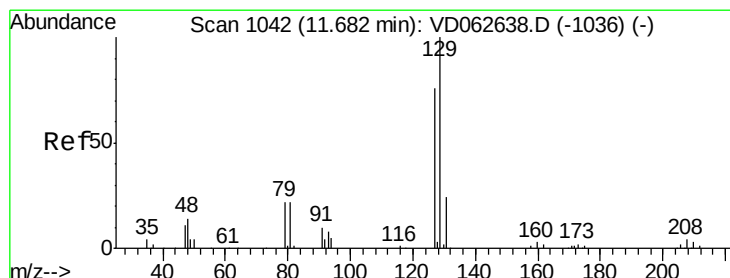
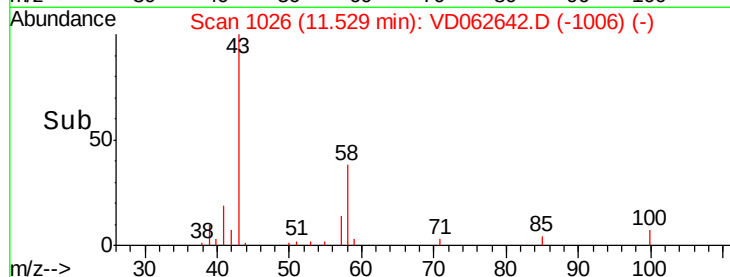
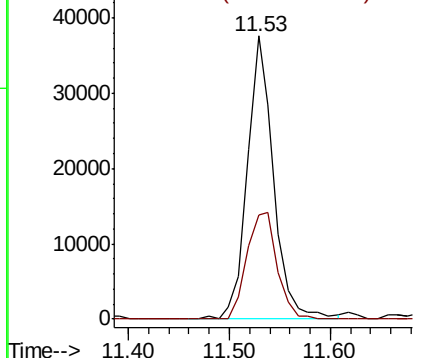
#59
2-Hexanone
Concen: 21.962 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 68153
Ion Ratio Lower Upper
43 100
58 36.9 21.8 65.4

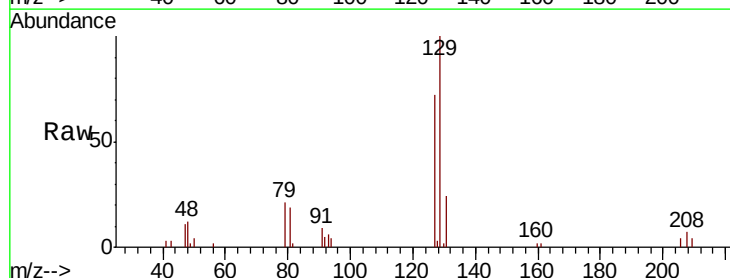


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

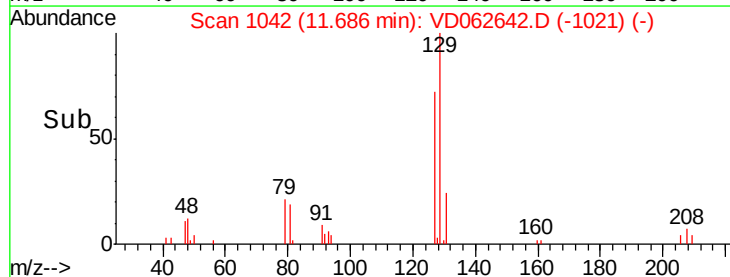
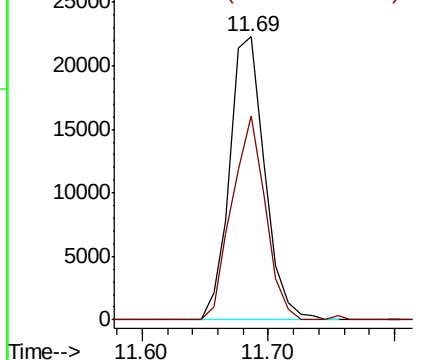


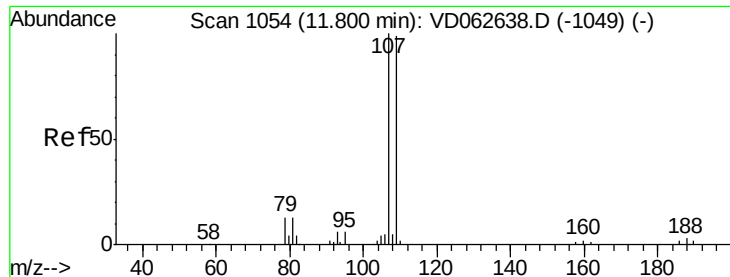
#60
Dibromochloromethane
Concen: 4.359 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 129 Resp: 42775
Ion Ratio Lower Upper
129 100
127 72.1 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

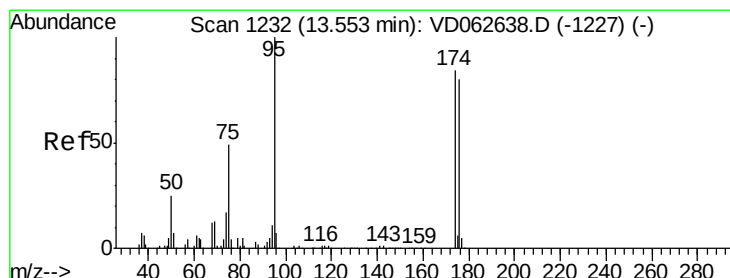
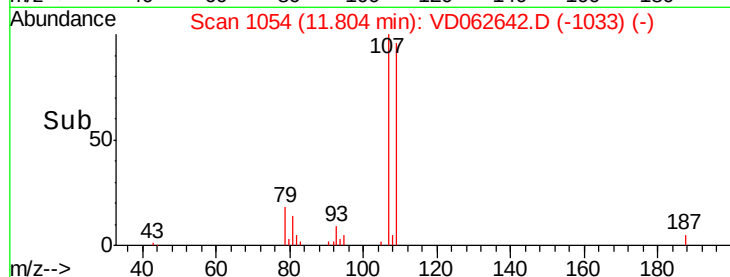
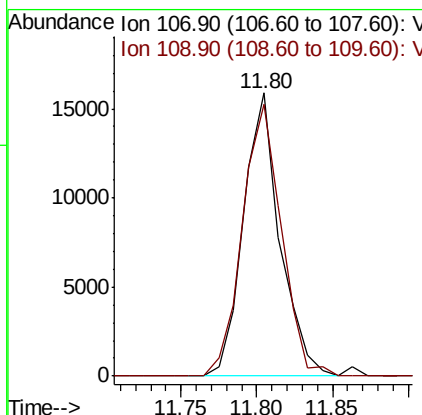
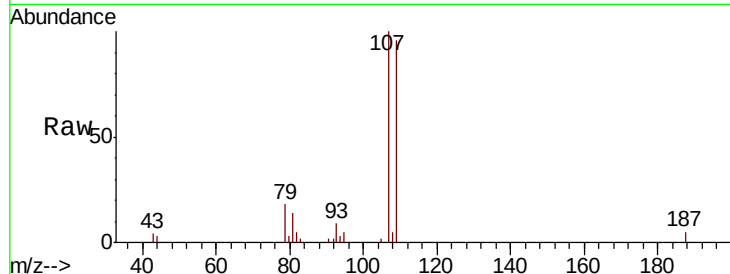




#61
 1,2-Dibromoethane
 Concen: 4.442 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

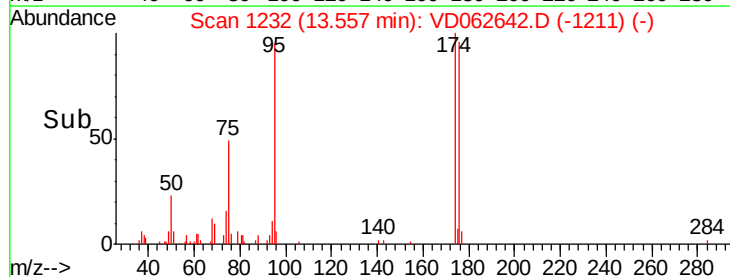
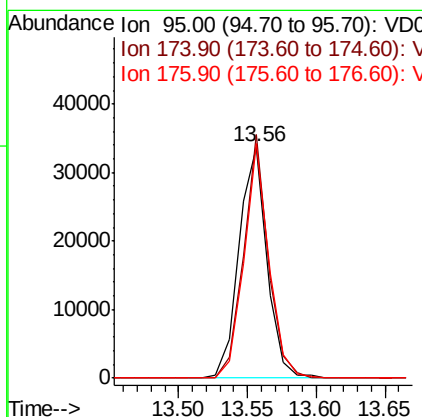
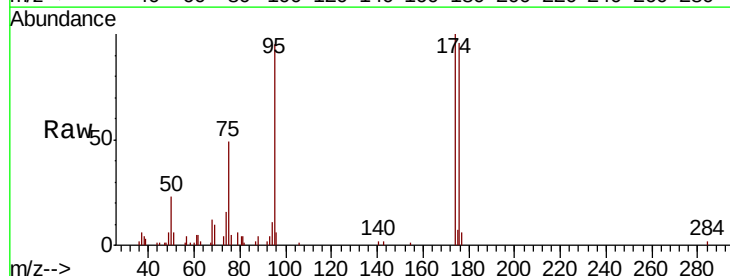
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

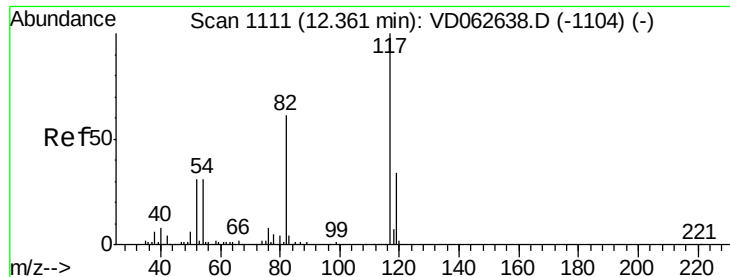
Tot Ion:107 Resp: 26611
 Ion Ratio Lower Upper
 107 100
 109 95.9 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 4.714 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion: 95 Resp: 47837
 Ion Ratio Lower Upper
 95 100
 174 105.3 0.0 167.0
 176 101.4 0.0 159.2

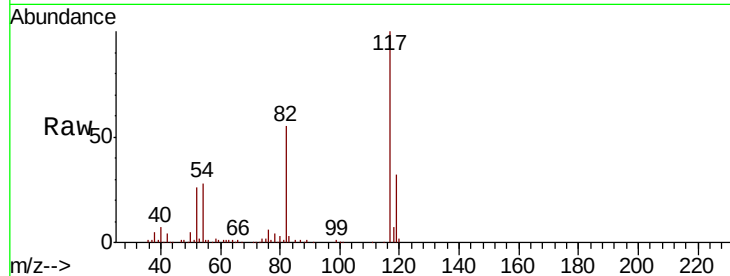




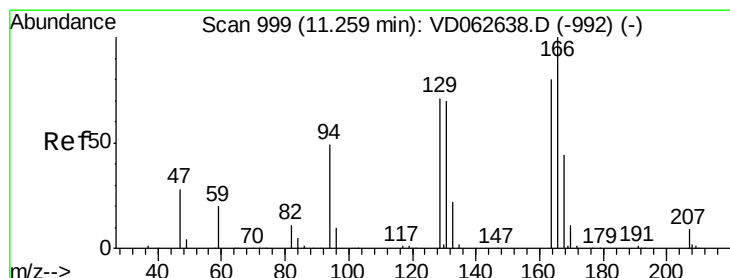
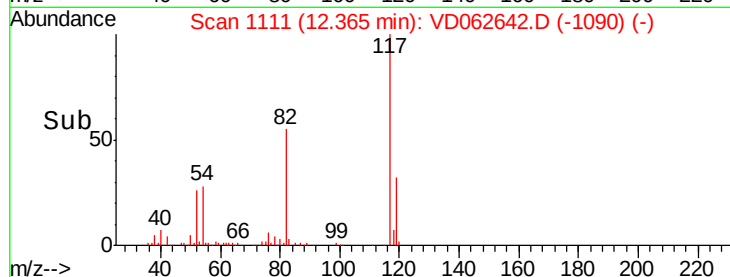
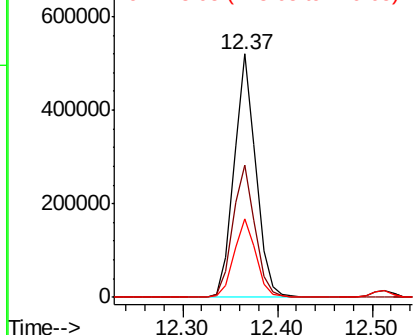
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 827659
Ion Ratio Lower Upper
117 100
82 54.6 48.7 73.1
119 32.2 27.0 40.6

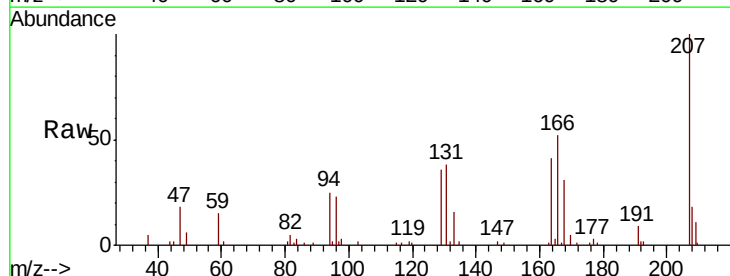


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

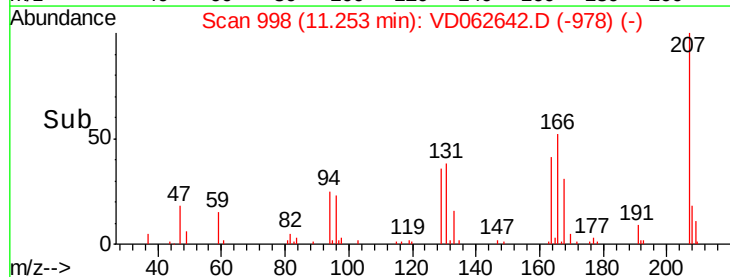
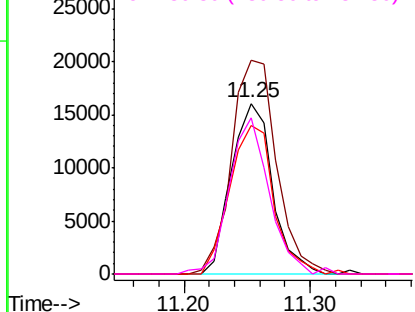


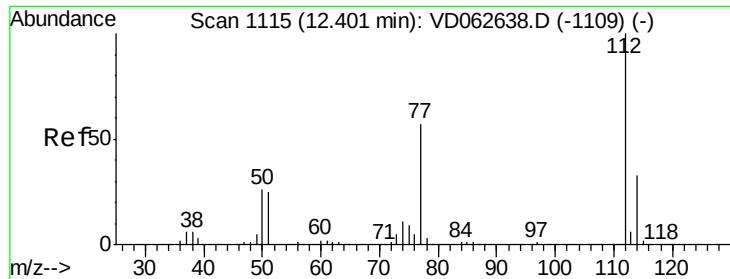
#64
Tetrachloroethene
Concen: 4.619 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion:164 Resp: 36298
Ion Ratio Lower Upper
164 100
166 125.4 99.4 149.2
129 86.9 70.2 105.4
131 91.5 69.3 103.9



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

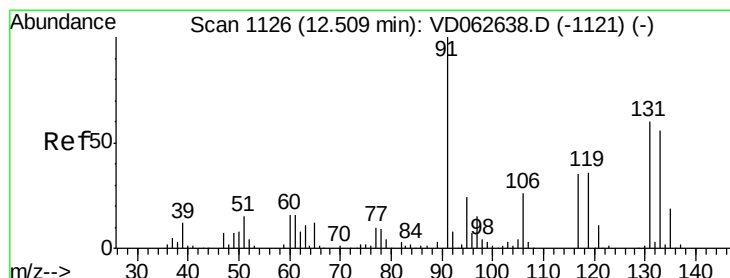
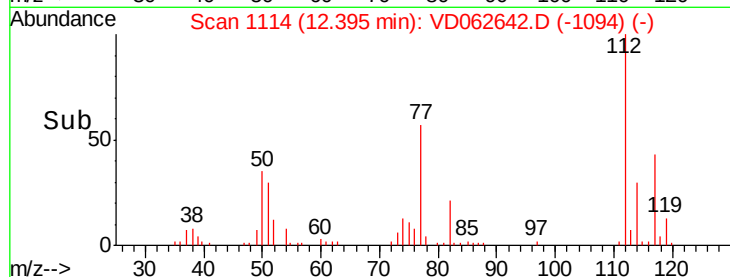
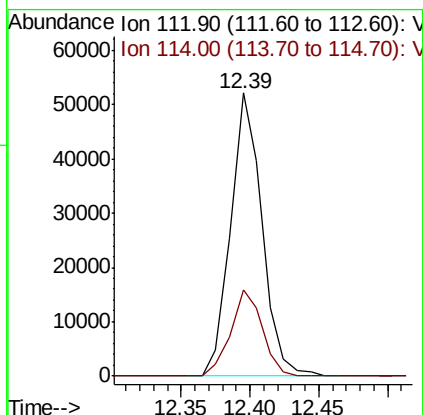
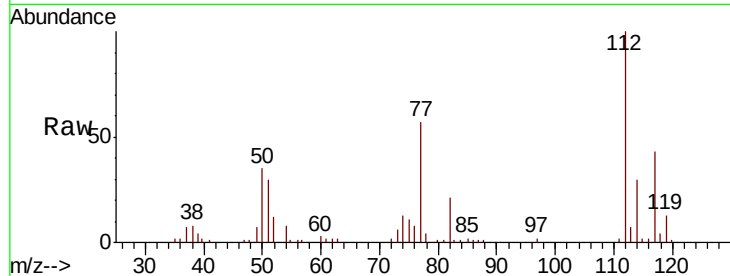




#65
Chlorobenzene
Concen: 4.451 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

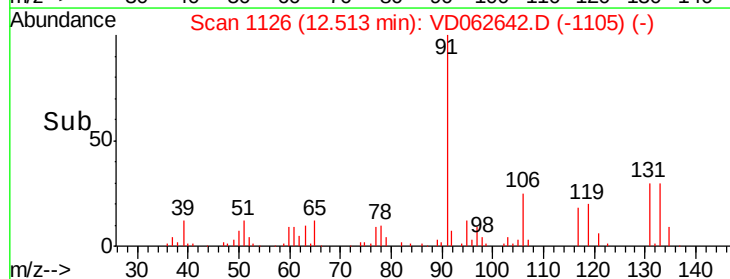
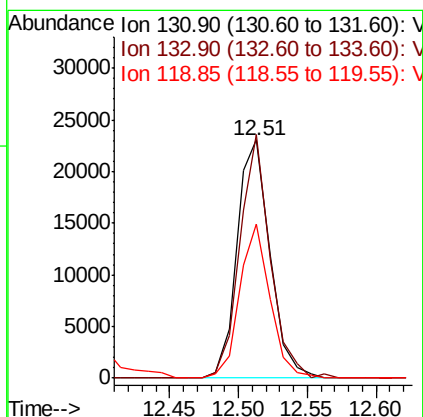
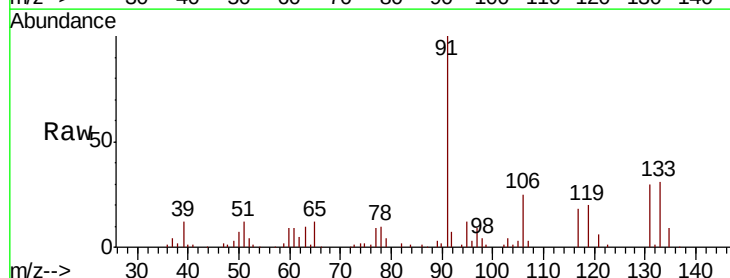
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

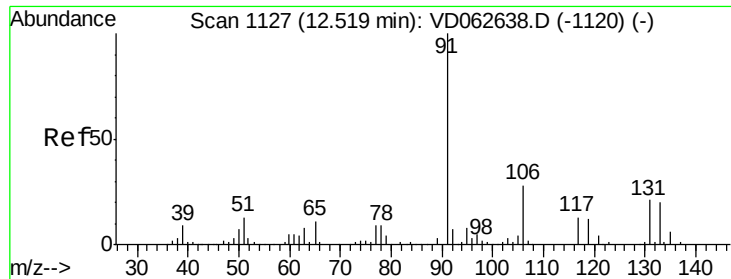
Tot Ion:112 Resp: 82531
Ion Ratio Lower Upper
112 100
114 30.5 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 4.326 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion:131 Resp: 38436
Ion Ratio Lower Upper
131 100
133 102.3 46.8 140.3
119 64.9 29.9 89.8

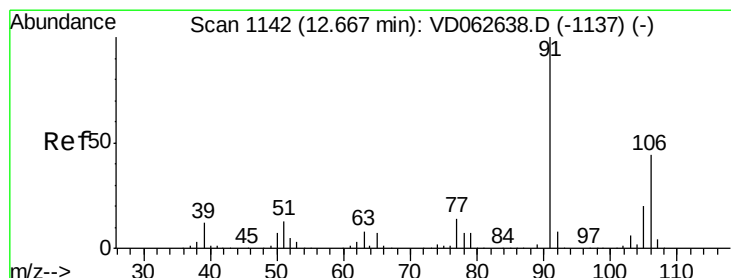
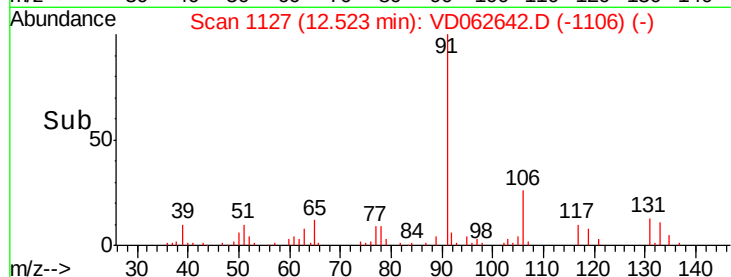
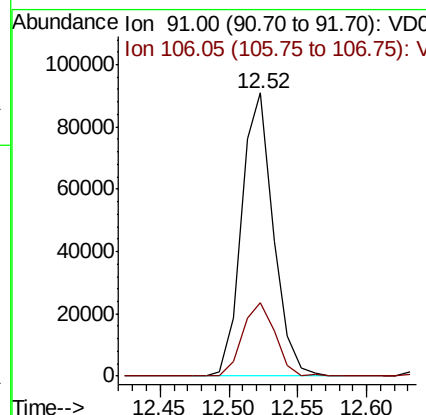
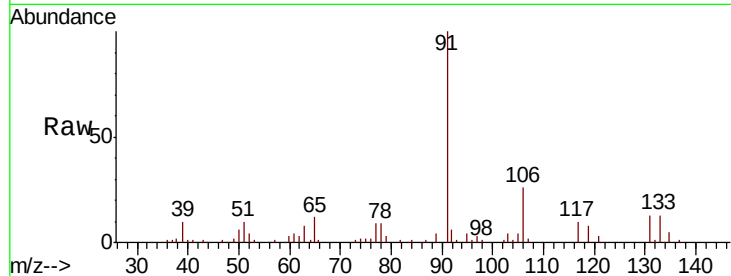




#67
Ethyl Benzene
Concen: 4.422 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

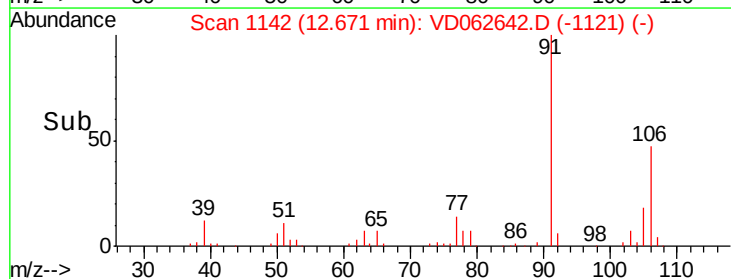
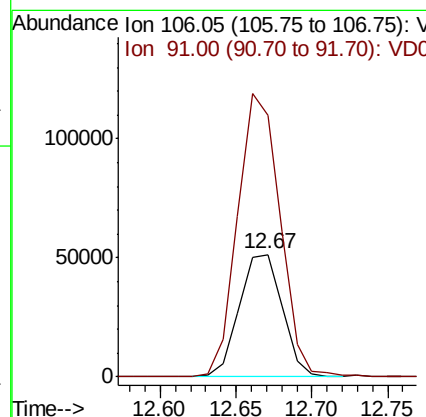
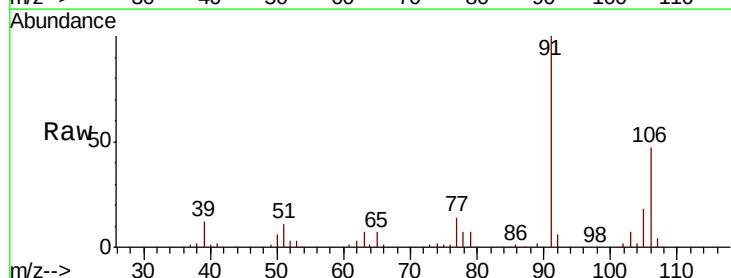
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

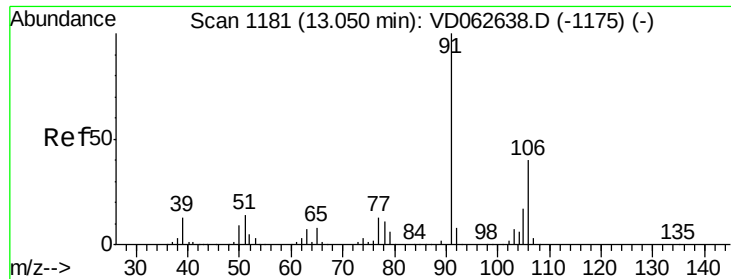
Tot Ion: 91 Resp: 145777
Ion Ratio Lower Upper
91 100
106 25.8 22.1 33.1



#68
m/p-Xylenes
Concen: 8.823 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion: 106 Resp: 102048
Ion Ratio Lower Upper
106 100
91 214.1 180.2 270.4

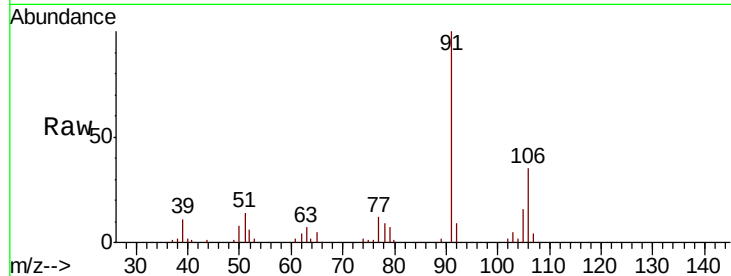




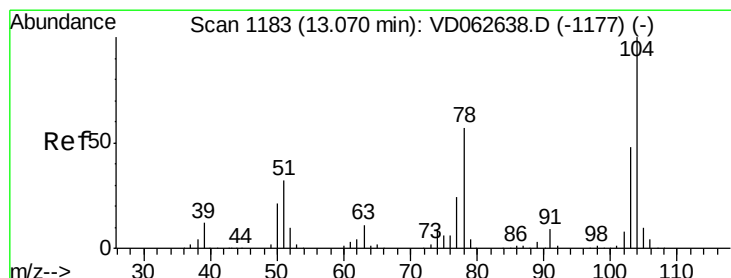
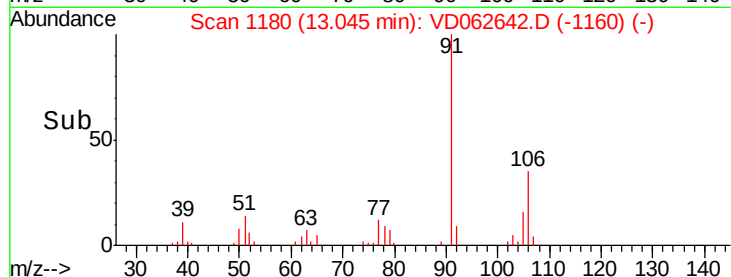
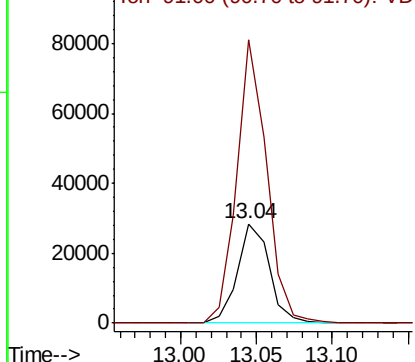
#69
o-Xylene
Concen: 3.866 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 41968
Ion Ratio Lower Upper
106 100
91 284.8 124.1 372.1

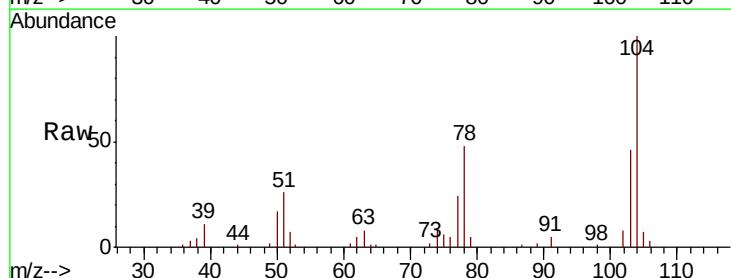


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

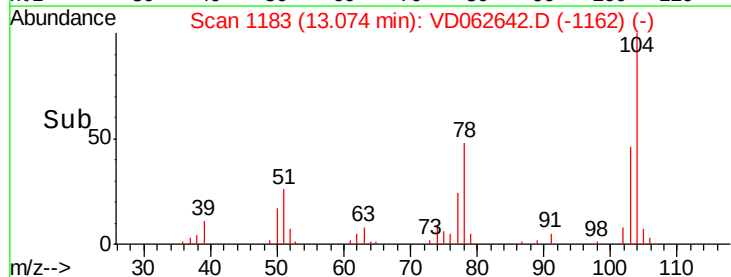
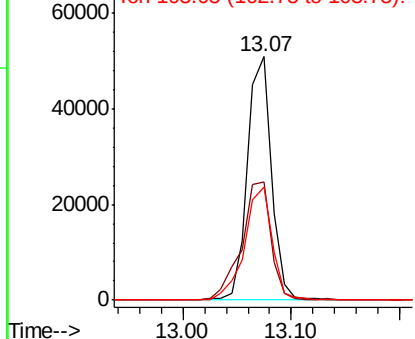


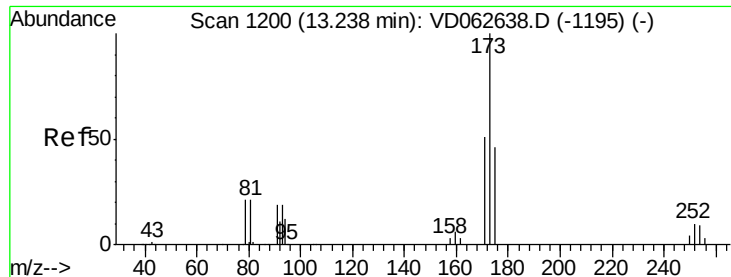
#70
Styrene
Concen: 4.086 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062642.D
Acq: 7 Jun 2019 14:10

Tgt Ion:104 Resp: 79103
Ion Ratio Lower Upper
104 100
78 48.3 45.9 68.9
103 46.2 38.4 57.6



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





#71

Bromoform

Concen: 3.784 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

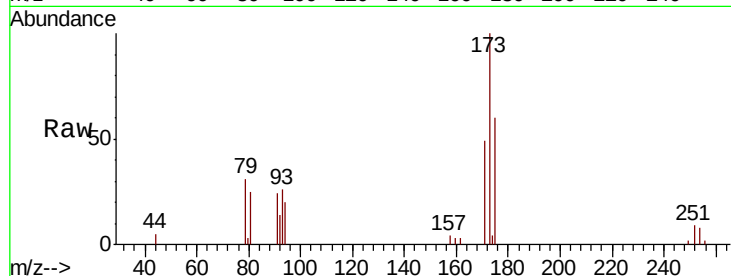
Tot Ion:173 Resp: 23367

Ion Ratio Lower Upper

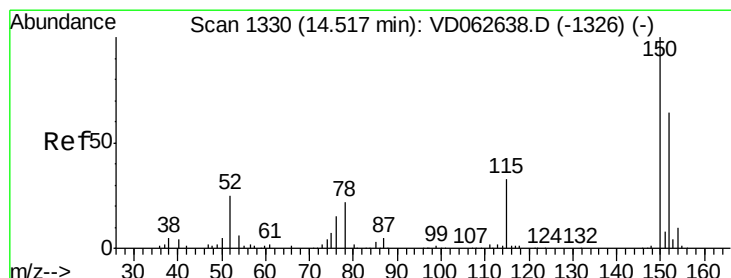
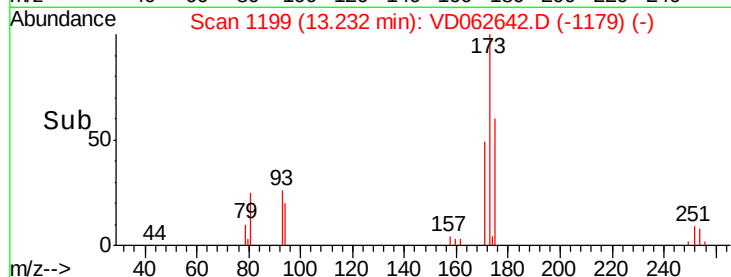
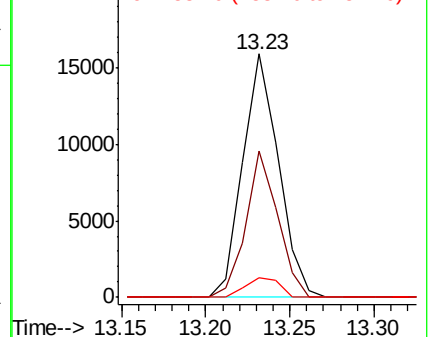
173 100

175 60.0 22.9 68.7

254 8.3 7.0 10.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

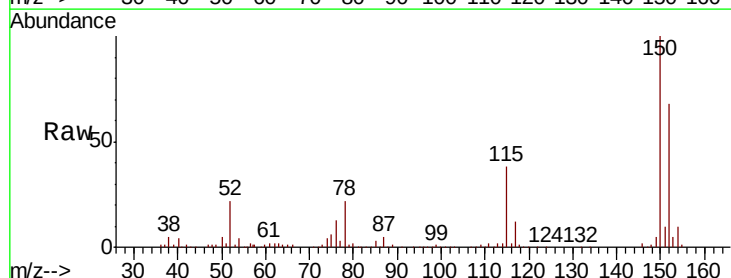
Tgt Ion:152 Resp: 481877

Ion Ratio Lower Upper

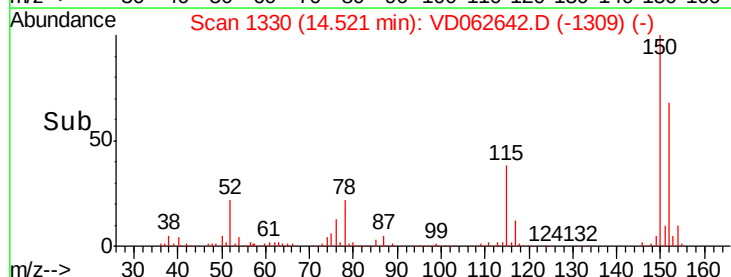
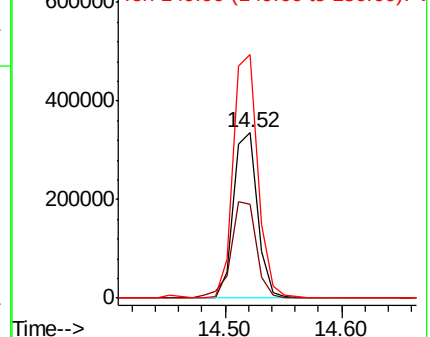
152 100

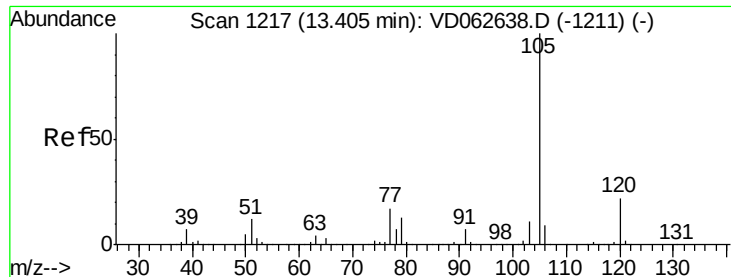
115 56.5 30.1 90.5

150 147.5 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.291 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

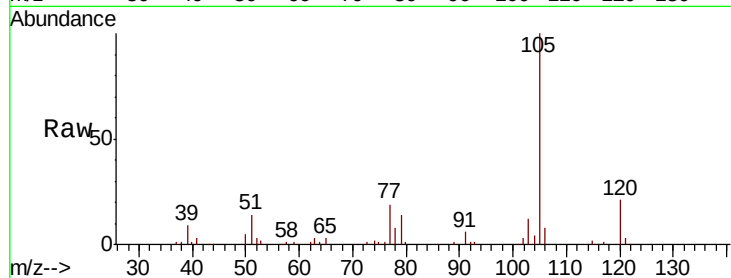
VSTDIC005

Tot Ion:105 Resp: 150564

Ion Ratio Lower Upper

105 100

120 20.7 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

120000

100000

80000

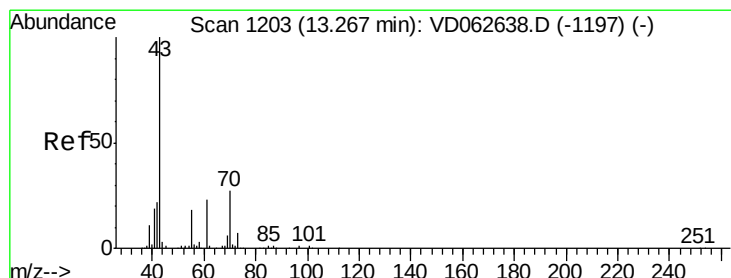
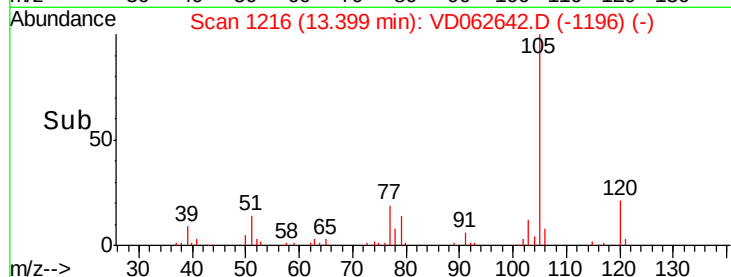
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 4.133 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Tgt Ion: 43 Resp: 39047

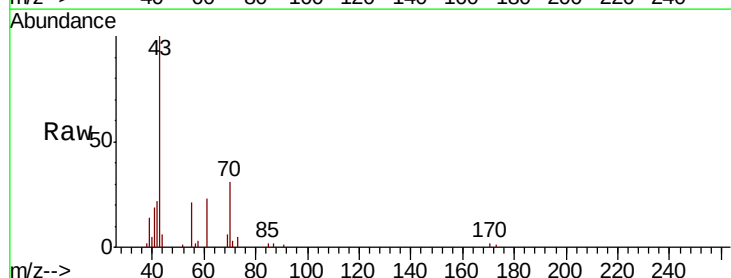
Ion Ratio Lower Upper

43 100

70 30.6 21.8 32.8

55 20.6 14.6 21.8

61 23.2 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

40000

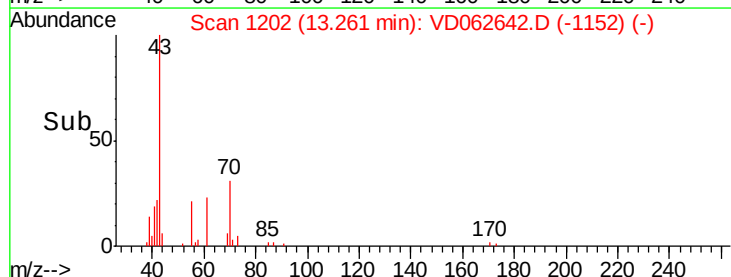
30000

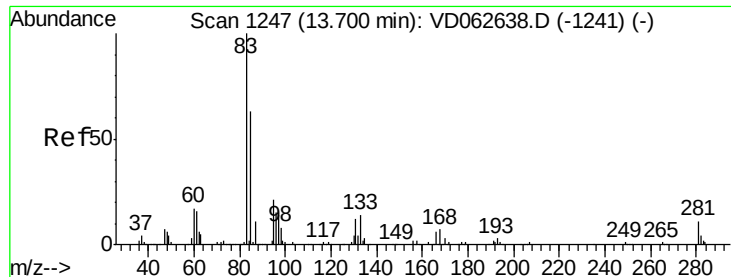
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.159 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

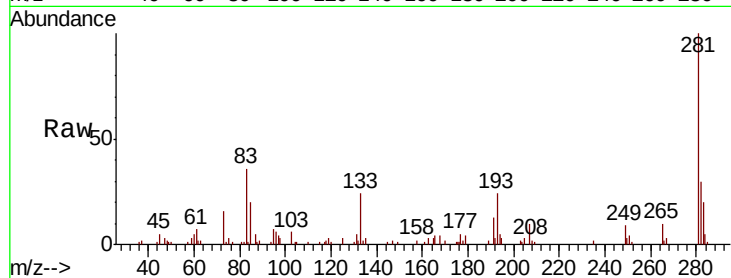
Tot Ion: 83 Resp: 24691

Ion Ratio Lower Upper

83 100

131 12.6 5.9 17.7

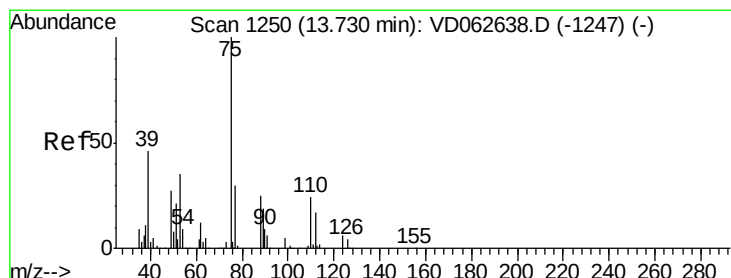
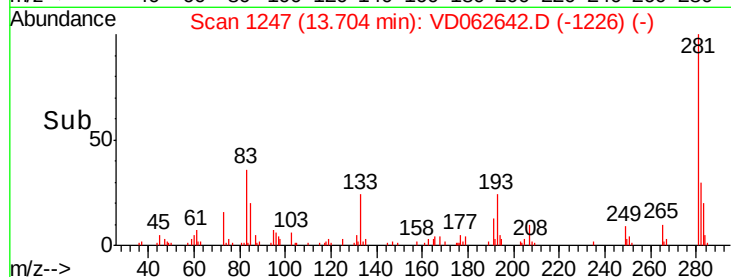
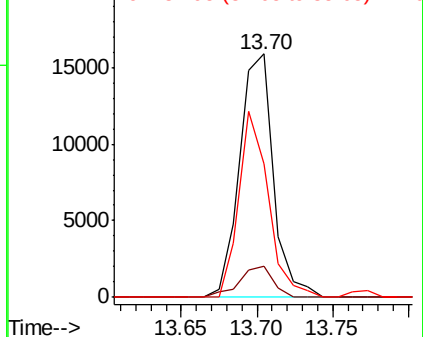
85 54.7 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 4.545 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062642.D

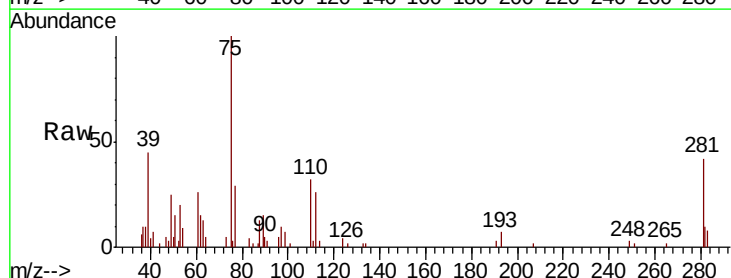
Acq: 7 Jun 2019 14:10

Tgt Ion: 75 Resp: 30214

Ion Ratio Lower Upper

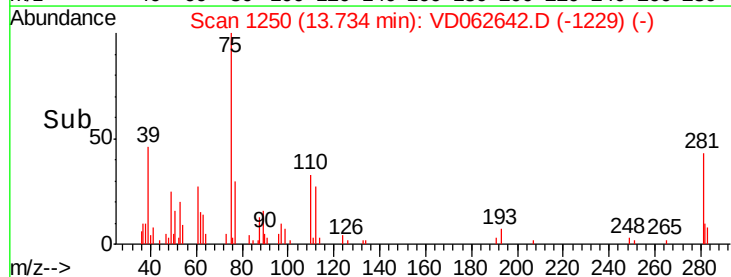
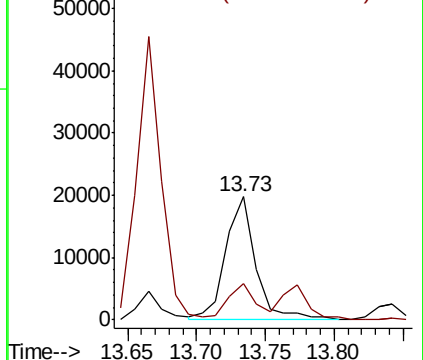
75 100

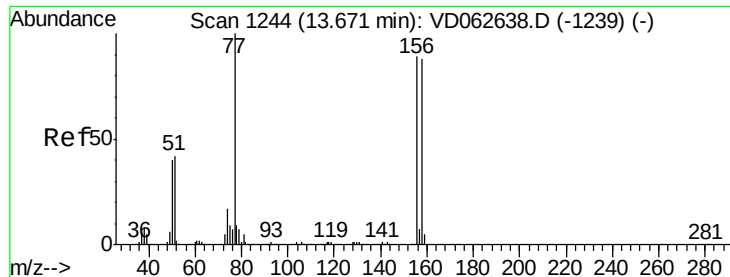
77 29.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.201 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

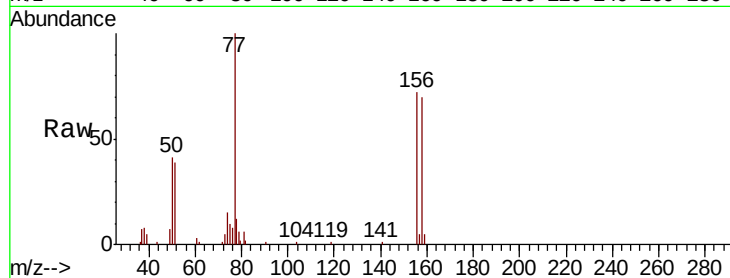
Tot Ion:156 Resp: 41475

Ion Ratio Lower Upper

156 100

77 139.3 56.3 168.8

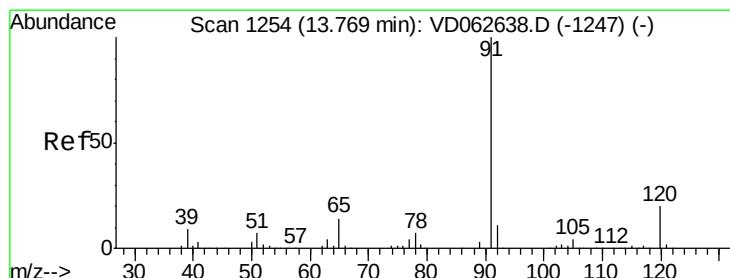
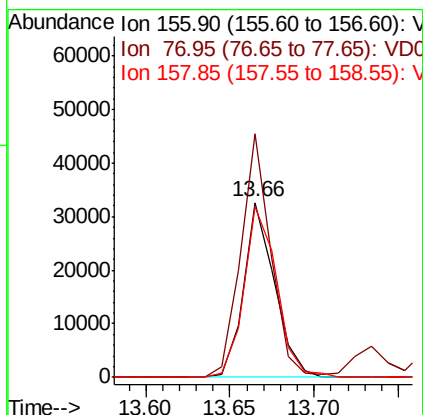
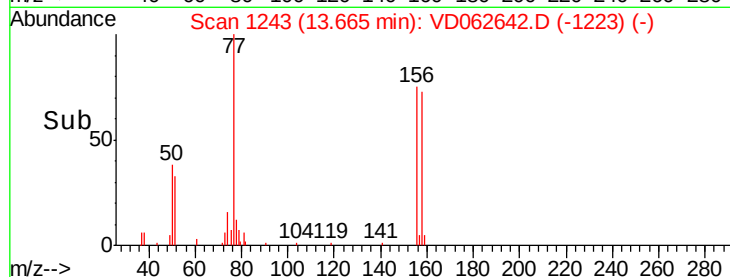
158 97.8 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 4.164 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062642.D

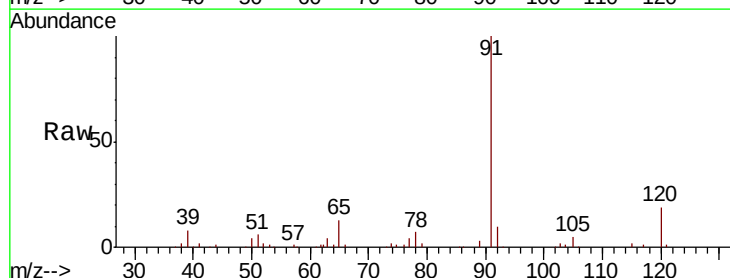
Acq: 7 Jun 2019 14:10

Tgt Ion: 91 Resp: 176871

Ion Ratio Lower Upper

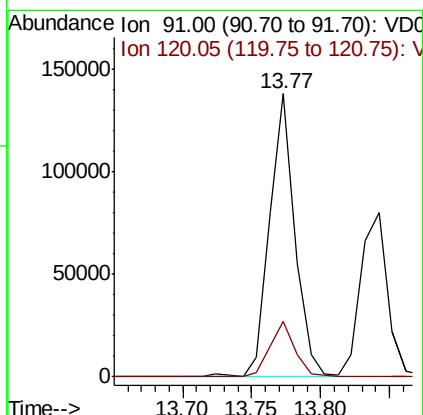
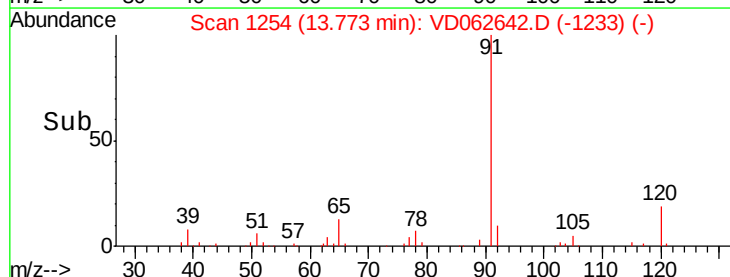
91 100

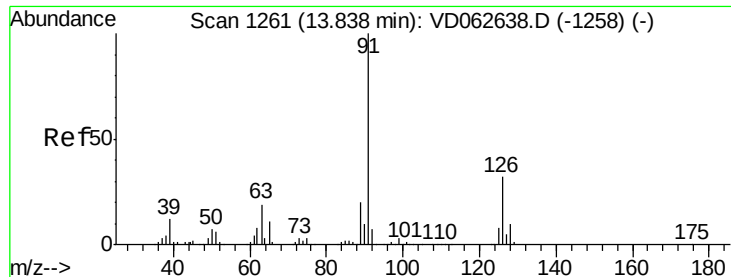
120 19.4 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

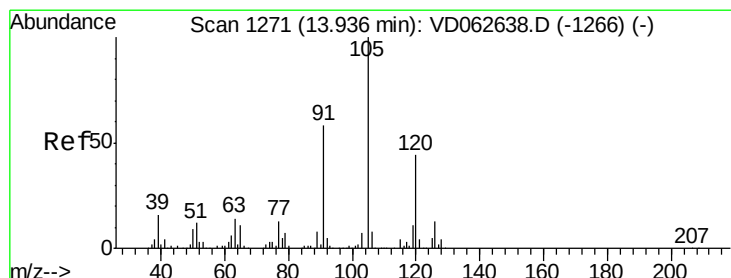
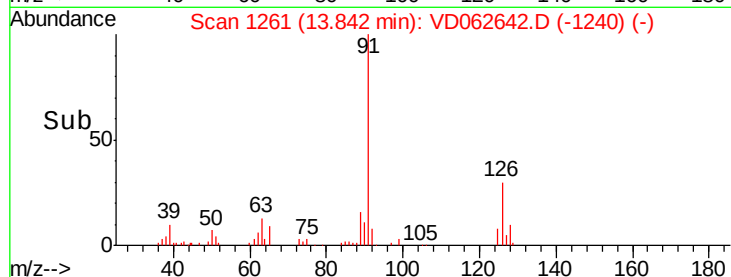
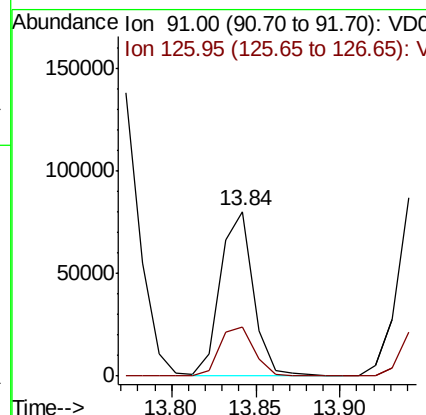
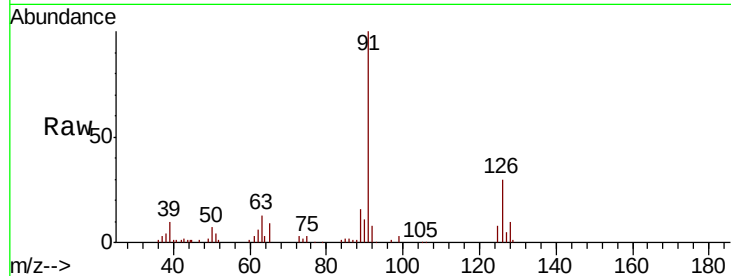




#79
 2-Chlorotoluene
 Concen: 4.394 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

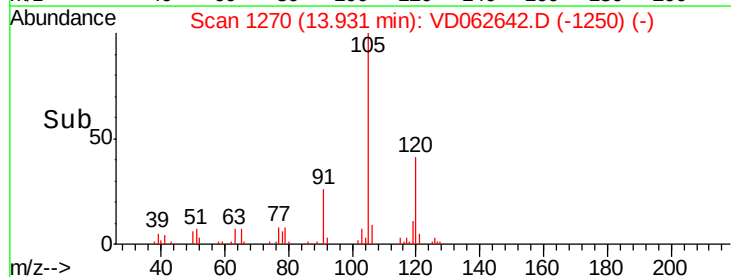
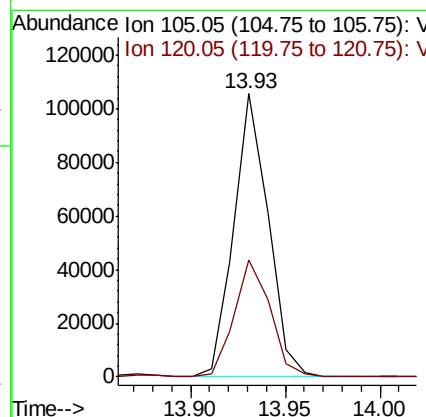
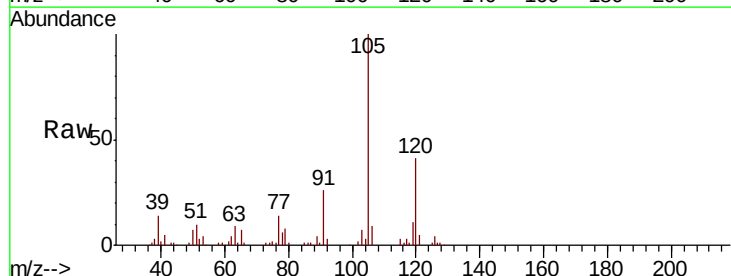
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

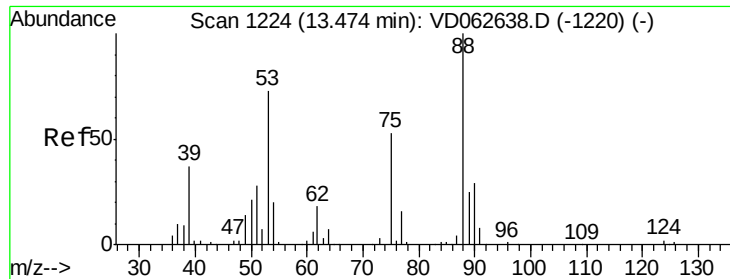
Tot Ion: 91 Resp: 108896
 Ion Ratio Lower Upper
 91 100
 126 29.8 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 4.327 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion: 105 Resp: 132521
 Ion Ratio Lower Upper
 105 100
 120 41.4 22.1 66.5





#81

trans-1,4-Dichloro-2-butene

Concen: 4.345 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

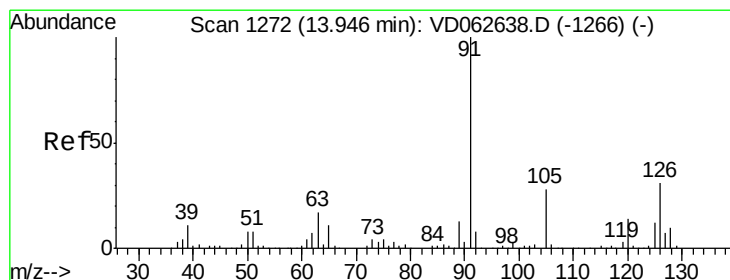
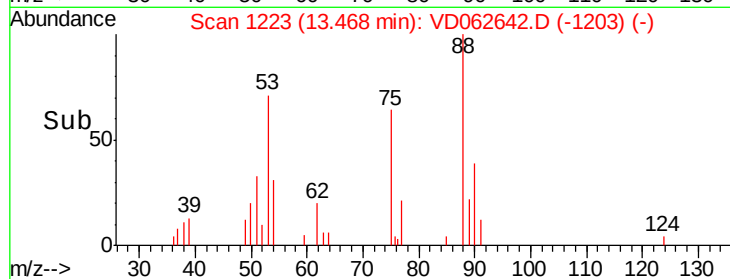
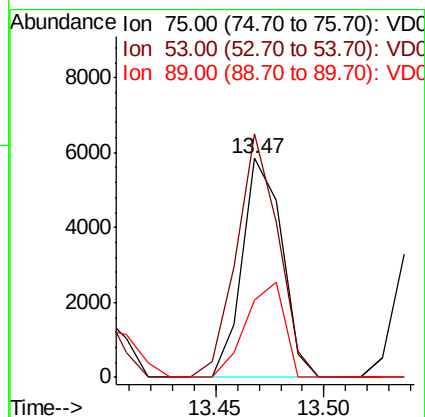
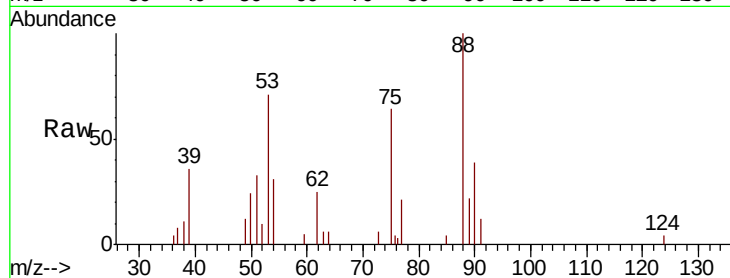
Tot Ion: 75 Resp: 7441

Ion Ratio Lower Upper

75 100

53 111.3 109.4 164.2

89 35.1 37.0 55.6#



#82

4-Chlorotoluene

Concen: 4.321 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062642.D

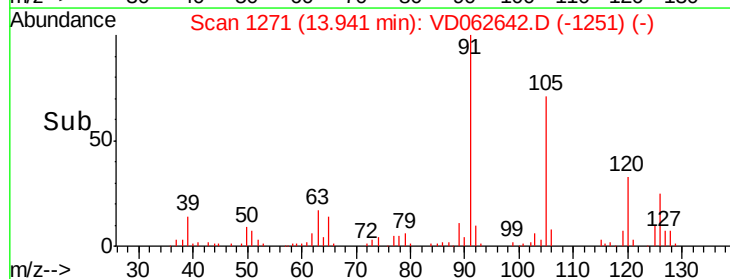
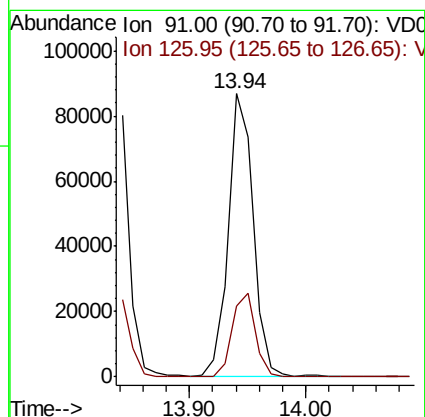
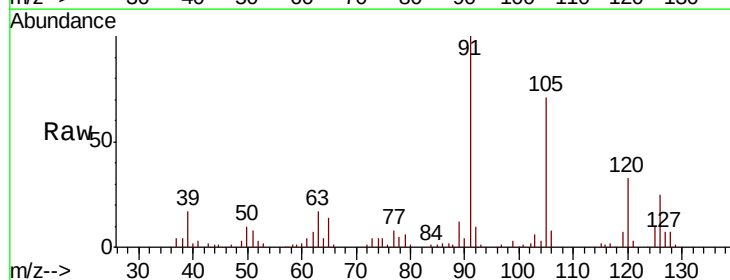
Acq: 7 Jun 2019 14:10

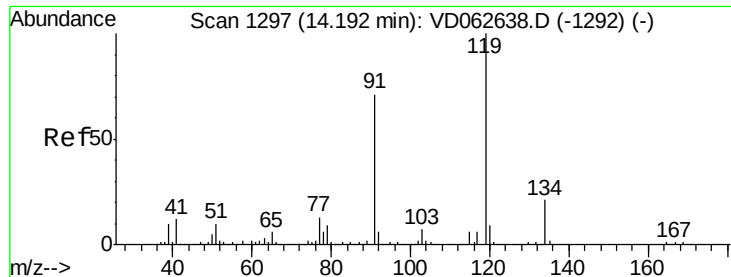
Tgt Ion: 91 Resp: 128834

Ion Ratio Lower Upper

91 100

126 25.0 15.6 46.8





#83

tert-Butylbenzene

Concen: 3.996 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

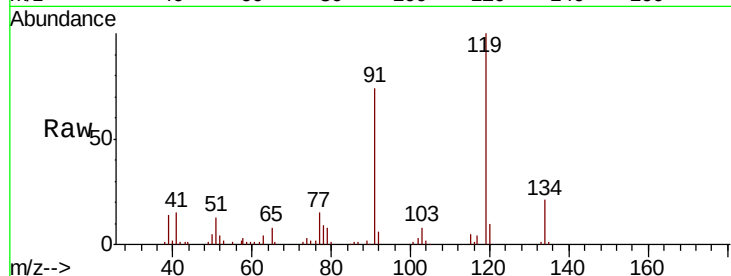
Tot Ion:119 Resp: 136514

Ion Ratio Lower Upper

119 100

91 74.3 35.4 106.1

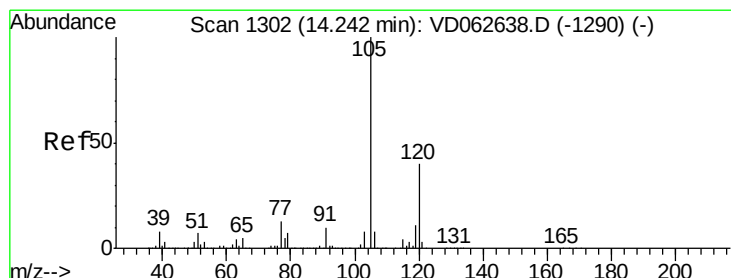
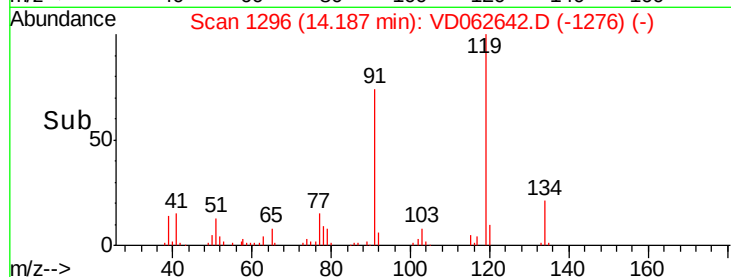
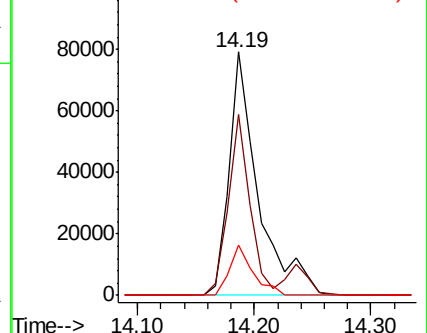
134 20.6 10.8 32.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.954 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062642.D

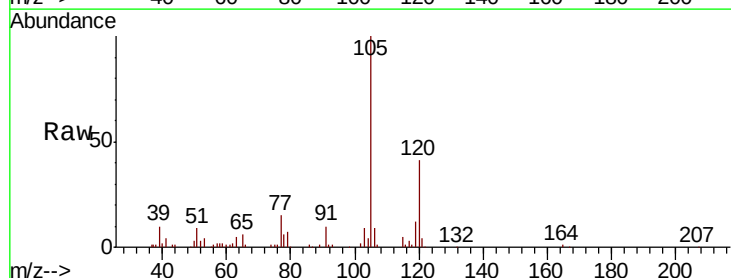
Acq: 7 Jun 2019 14:10

Tgt Ion:105 Resp: 121635

Ion Ratio Lower Upper

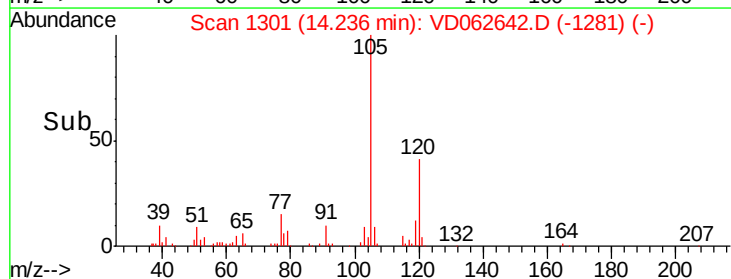
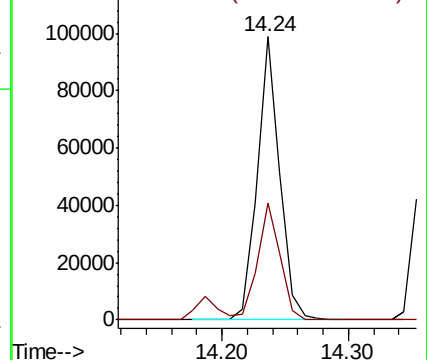
105 100

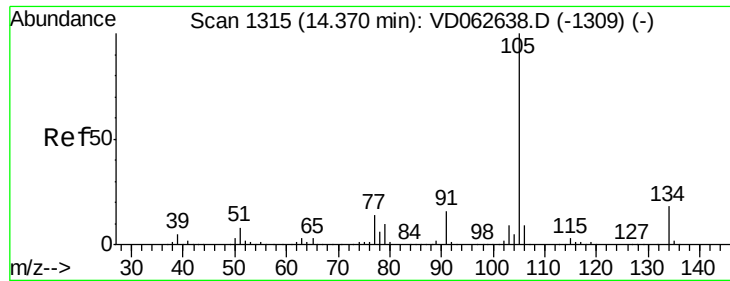
120 41.1 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 4.175 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

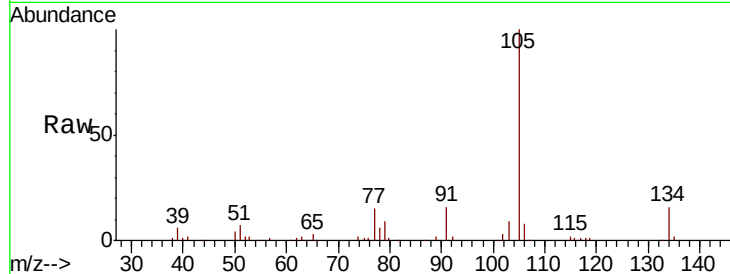
VSTDIC005

Tot Ion:105 Resp: 148333

Ion Ratio Lower Upper

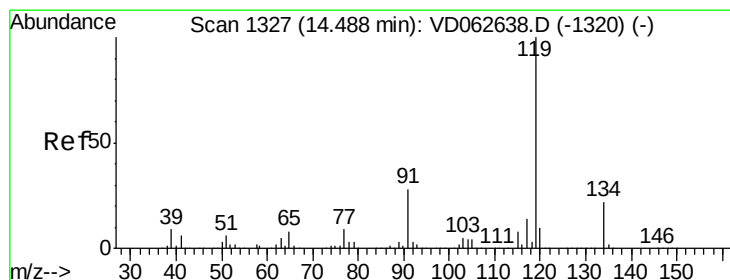
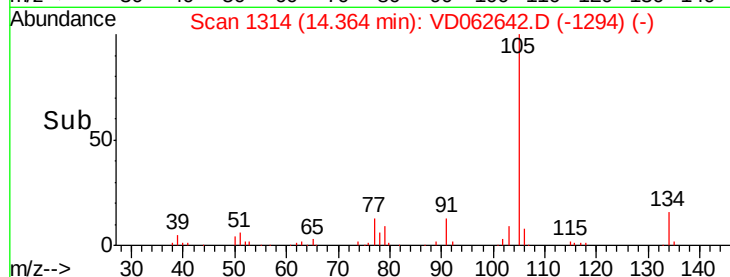
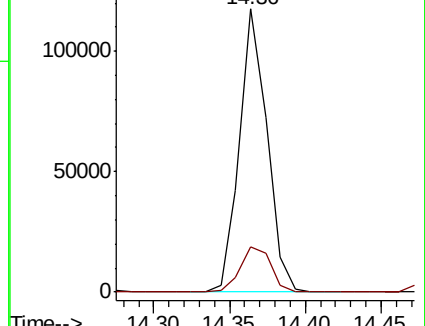
105 100

134 15.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 4.276 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

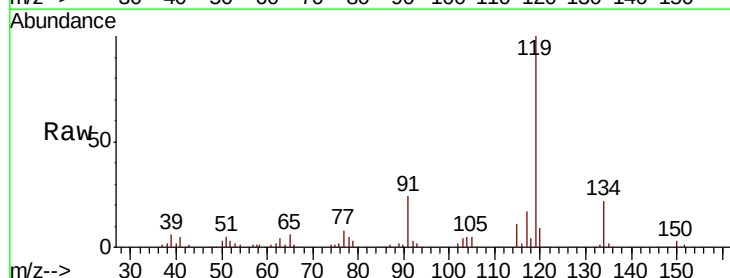
Tgt Ion:119 Resp: 147399

Ion Ratio Lower Upper

119 100

134 22.5 10.9 32.6

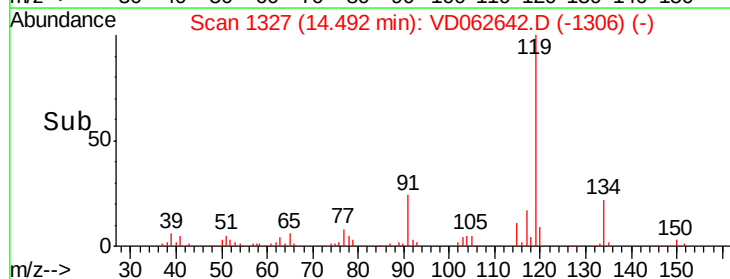
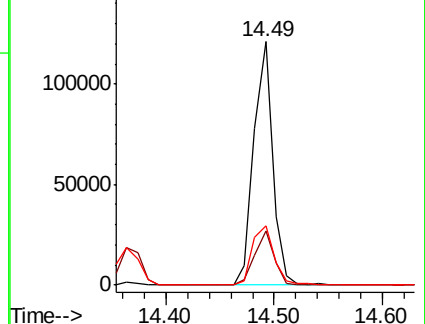
91 24.1 13.9 41.6

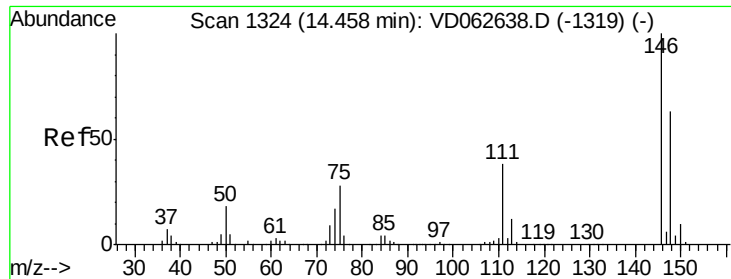


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

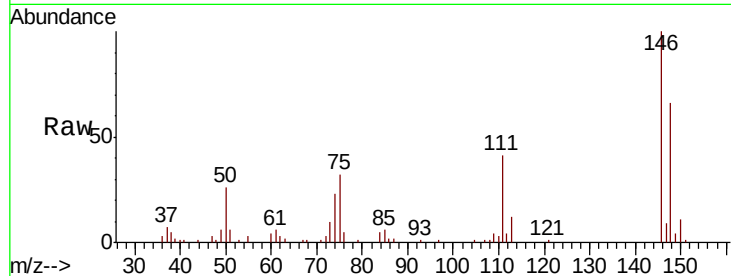




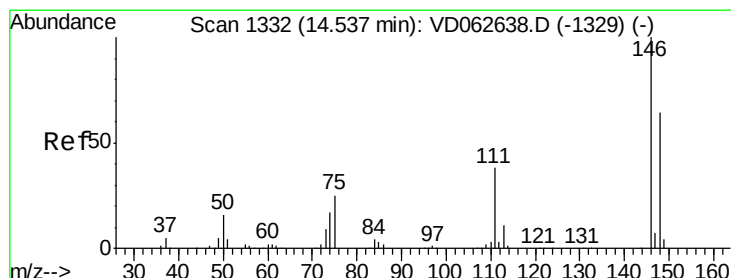
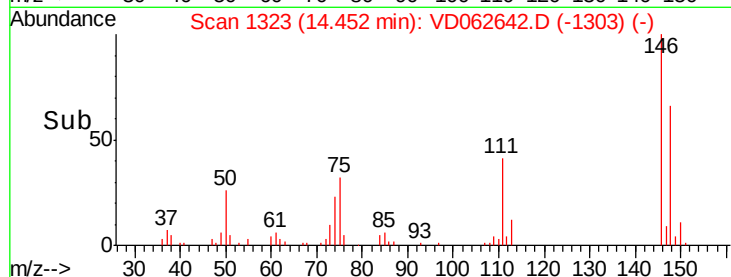
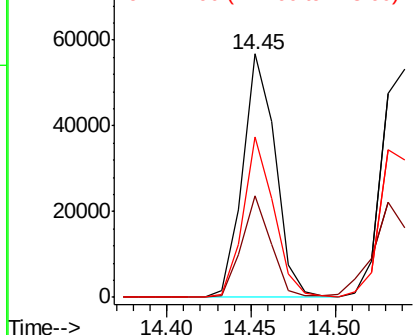
#87
 1,3-Dichlorobenzene
 Concen: 4.171 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 76168
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.2 57.6
 148 65.8 31.6 95.0

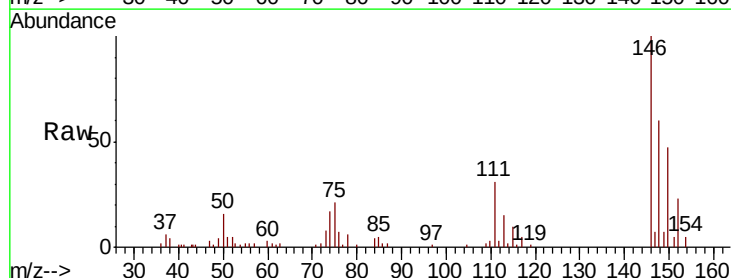


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

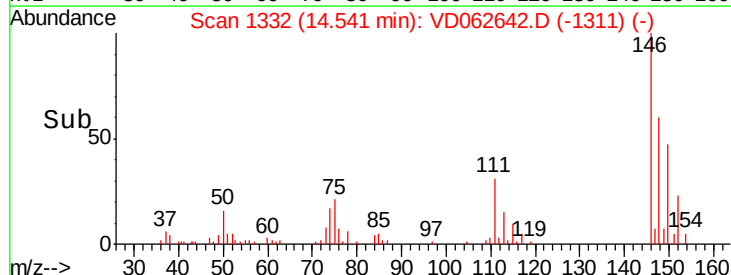
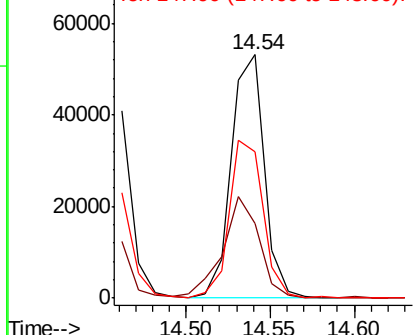


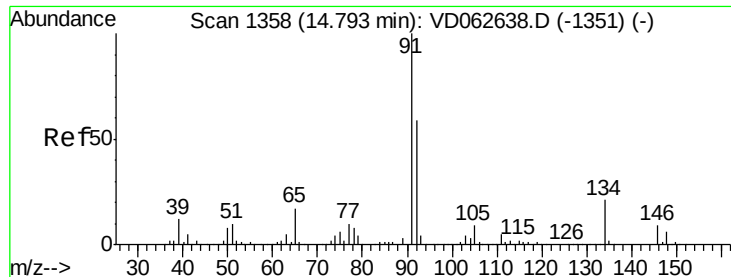
#88
 1,4-Dichlorobenzene
 Concen: 4.217 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion:146 Resp: 72334
 Ion Ratio Lower Upper
 146 100
 111 30.7 18.9 56.7
 148 60.0 32.3 96.8



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





#89

n-Butylbenzene

Concen: 4.094 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

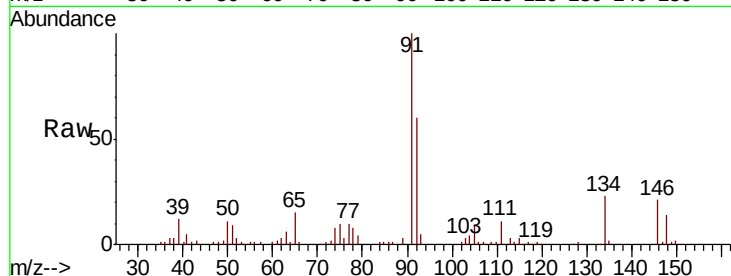
Tot Ion: 91 Resp: 128592

Ion Ratio Lower Upper

91 100

92 60.5 29.4 88.3

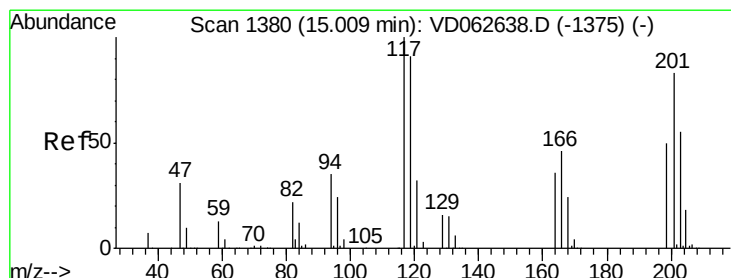
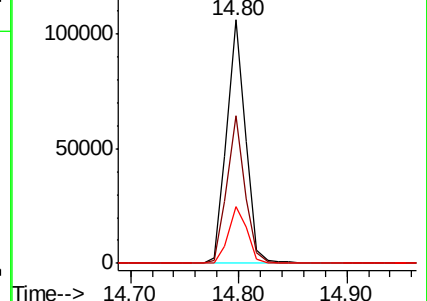
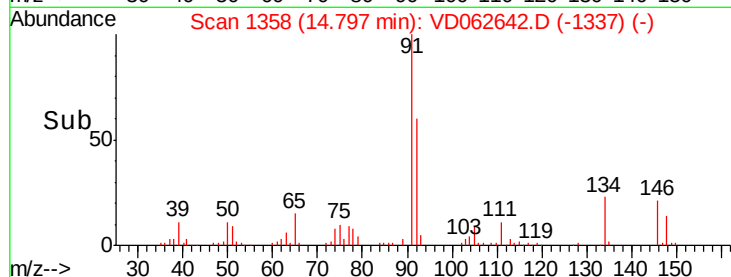
134 23.2 10.4 31.2



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: 4.113 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062642.D

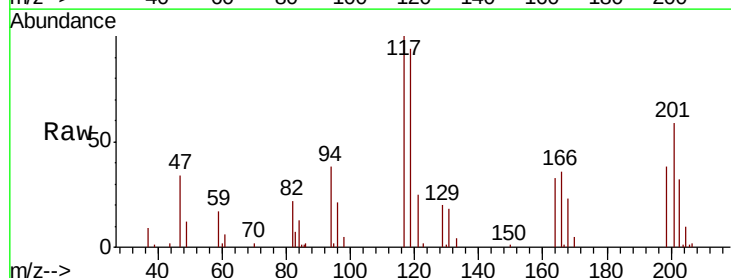
Acq: 7 Jun 2019 14:10

Tgt Ion: 117 Resp: 37343

Ion Ratio Lower Upper

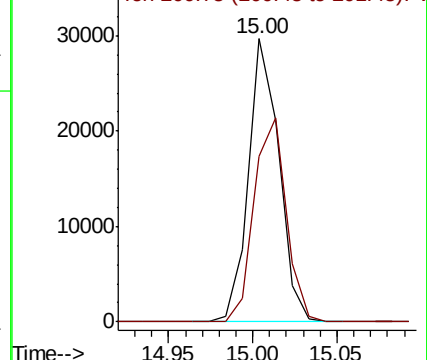
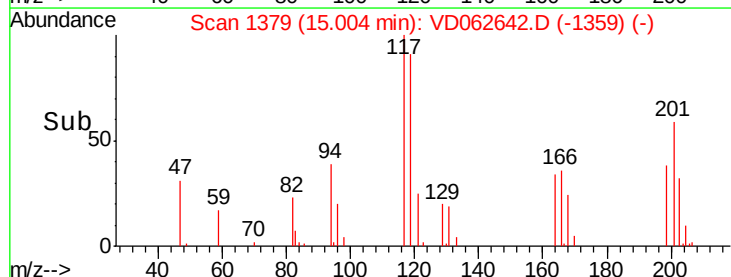
117 100

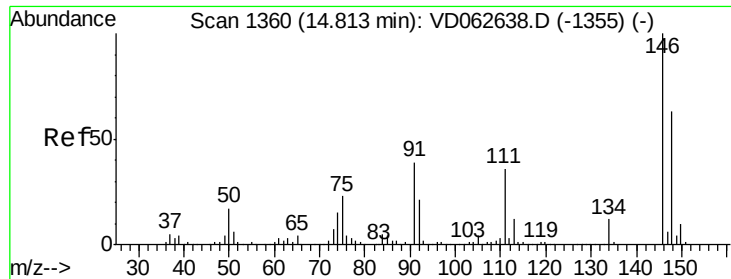
201 58.6 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

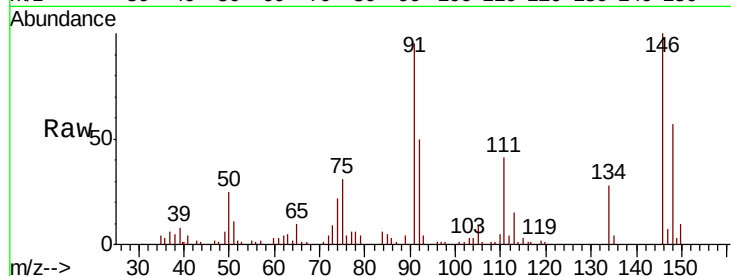




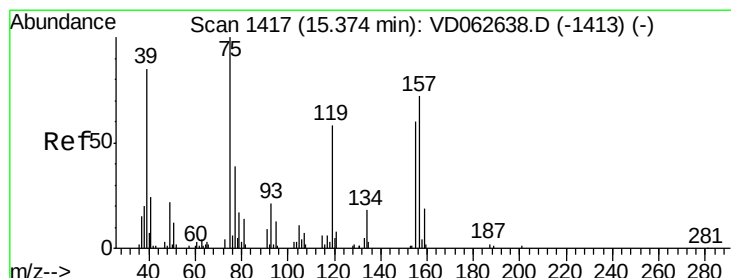
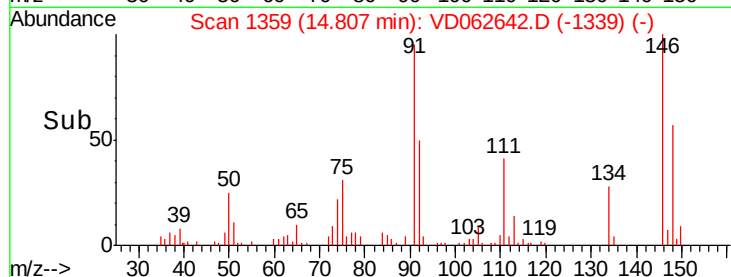
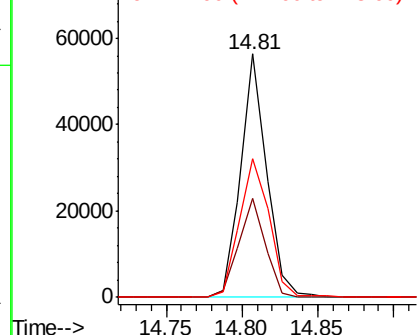
#91
 1,2-Dichlorobenzene
 Concen: 4.466 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 67022
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.3
 148 56.9 31.4 94.0

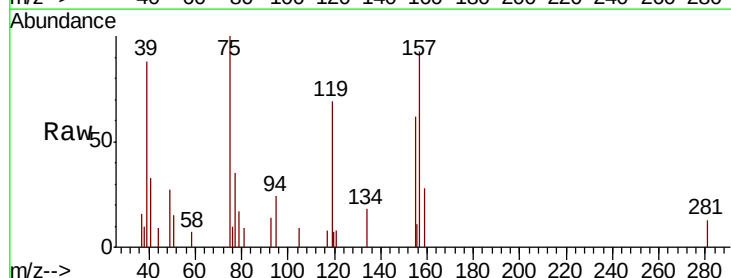


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

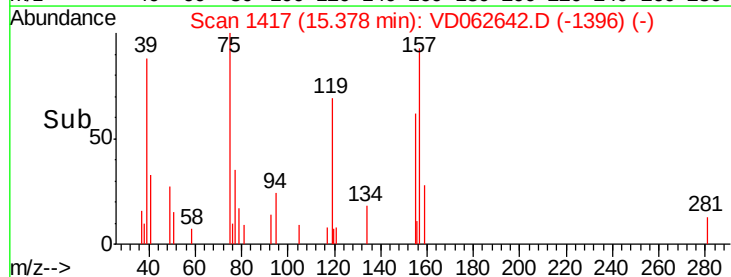
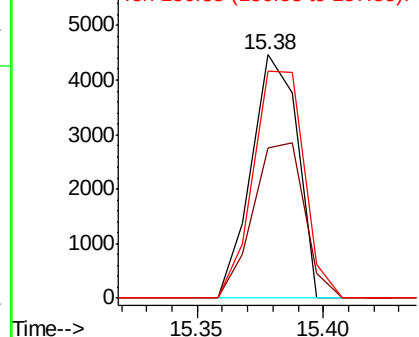


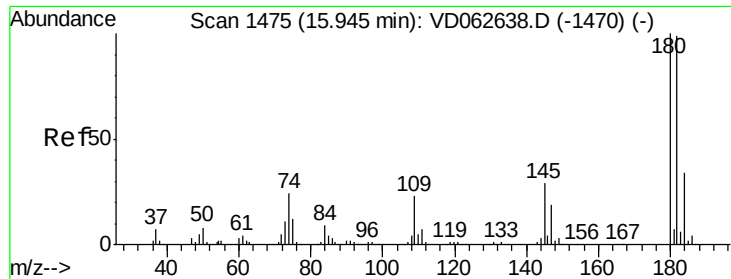
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.331 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion: 75 Resp: 5678
 Ion Ratio Lower Upper
 75 100
 155 61.7 30.1 90.5
 157 93.4 35.9 107.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

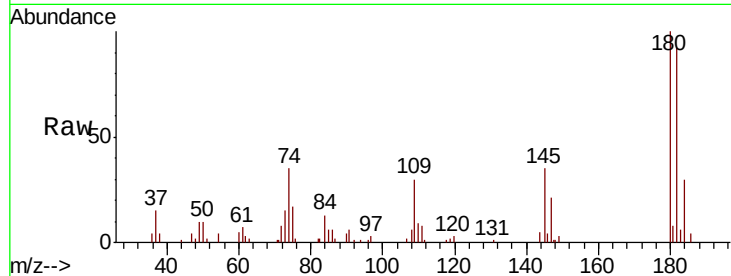




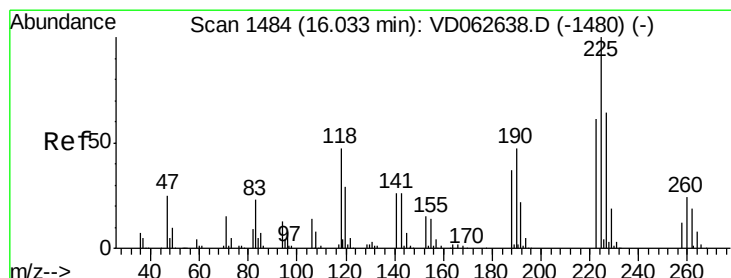
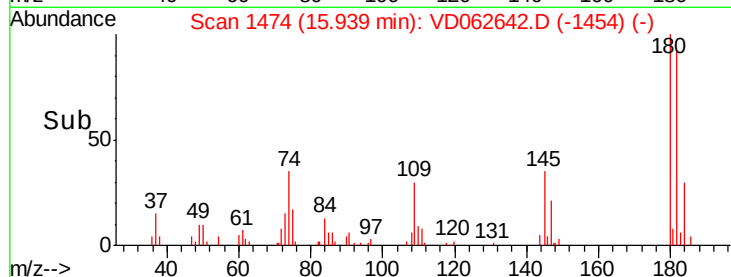
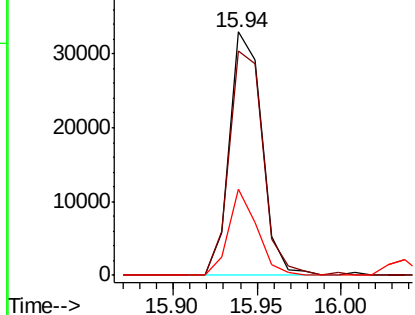
#93
 1,2,4-Trichlorobenzene
 Concen: 3.865 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 44003
 Ion Ratio Lower Upper
 180 100
 182 92.4 49.4 148.2
 145 35.4 14.5 43.6

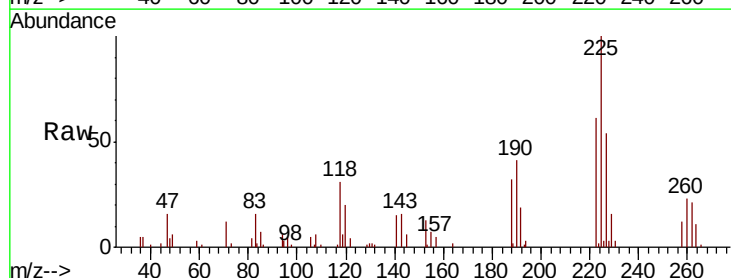


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

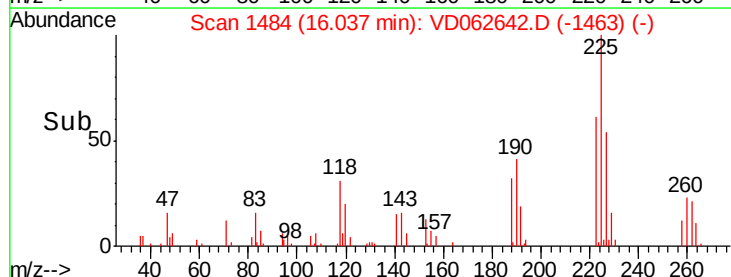
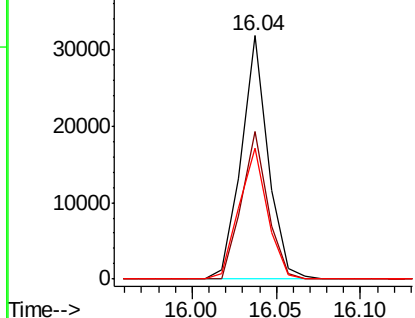


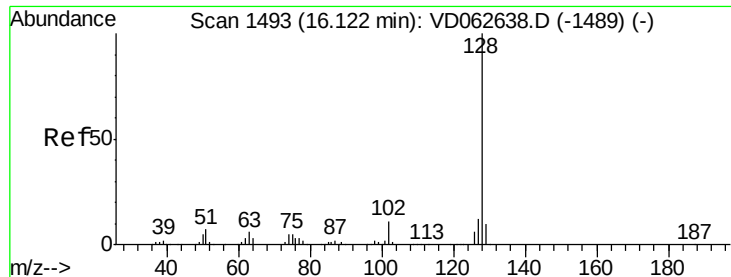
#94
 Hexachlorobutadiene
 Concen: 3.909 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062642.D
 Acq: 7 Jun 2019 14:10

Tgt Ion:225 Resp: 35147
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.3 91.0
 227 53.7 31.8 95.4



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





#95

Naphthalene

Concen: 4.237 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

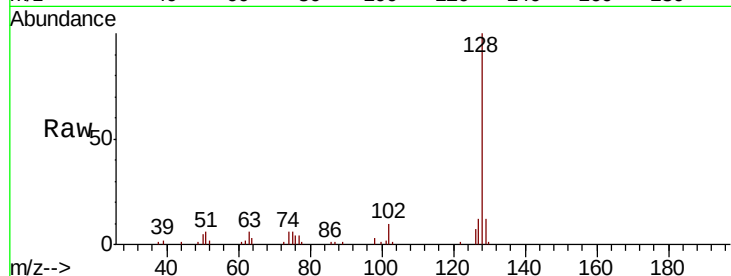
Tot Ion:128 Resp: 67015

Ion Ratio Lower Upper

128 100

127 12.4 9.7 14.5

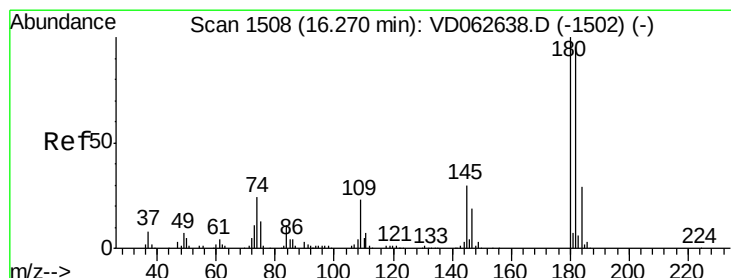
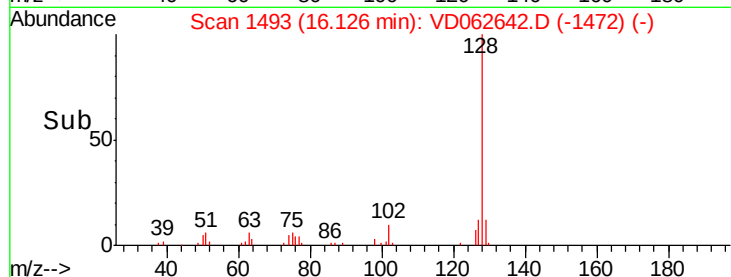
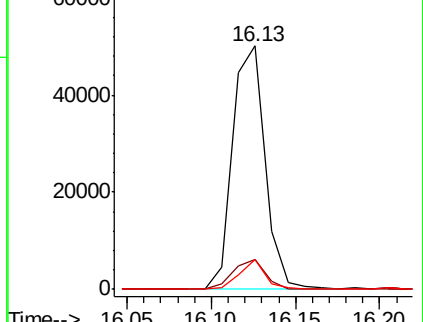
129 13.0 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.357 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062642.D

Acq: 7 Jun 2019 14:10

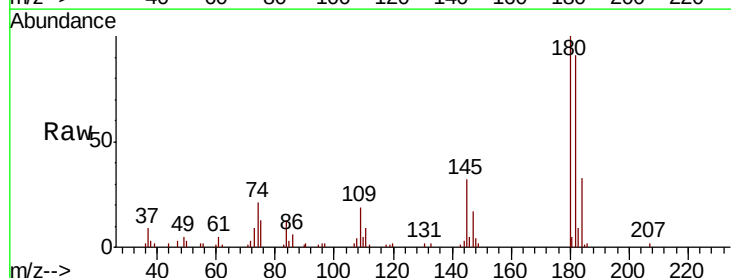
Tgt Ion:180 Resp: 37583

Ion Ratio Lower Upper

180 100

182 90.8 47.7 143.1

145 31.5 15.0 45.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

