

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062629.D
 Acq On : 6 Jun 2019 17:20
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 07 04:12:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	596746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	828996	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	718917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	383860	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	181325	22.24	ug/l	-0.02
Spiked Amount						
			Recovery	=	44.48%	
35) Dibromofluoromethane	6.93	113	171160	20.23	ug/l	0.00
Spiked Amount						
			Recovery	=	40.46%	
50) Toluene-d8	10.41	98	396168	21.50	ug/l	0.00
Spiked Amount						
			Recovery	=	43.00%	
62) 4-Bromofluorobenzene	13.56	95	179536	20.92	ug/l	0.00
Spiked Amount						
			Recovery	=	41.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	173202	23.576	ug/l	96
3) Chloromethane	1.74	50	130222	22.792	ug/l	98
4) Vinyl Chloride	1.84	62	126121	22.394	ug/l	99
5) Bromomethane	2.14	94	60539	21.234	ug/l #	82
6) Chloroethane	2.25	64	58331	20.125	ug/l	93
7) Trichlorofluoromethane	2.52	101	276412	22.149	ug/l	95
8) Diethyl Ether	2.86	74	34700	21.661	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	153520	21.662	ug/l	94
10) Methyl Iodide	3.29	142	184608	20.901	ug/l	96
11) Tert butyl alcohol	4.08	59	35994	101.486	ug/l	99
12) 1,1-Dichloroethene	3.12	96	104837	20.506	ug/l	92
13) Acrolein	3.03	56	12457	97.117	ug/l #	83
14) Allyl chloride	3.61	41	168116	21.593	ug/l #	90
15) Acrylonitrile	4.20	53	78955	100.158	ug/l	92
16) Acetone	3.23	43	155242	105.404	ug/l	96
17) Carbon Disulfide	3.36	76	311240	20.865	ug/l	98
18) Methyl Acetate	3.64	43	54279	21.085	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	269473	21.535	ug/l	93
20) Methylene Chloride	3.82	84	114225	20.335	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	106736	18.942	ug/l	86
22) Diisopropyl ether	5.13	45	354985	21.684	ug/l	93
23) Vinyl Acetate	5.06	43	1058849	105.138	ug/l	99
24) 1,1-Dichloroethane	4.98	63	224874	21.589	ug/l	97
25) 2-Butanone	6.08	43	151074	110.364	ug/l	100
26) 2,2-Dichloropropane	6.02	77	255862	22.486	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	118028	19.783	ug/l	89
28) Bromochloromethane	6.43	49	74567	18.780	ug/l	100
29) Tetrahydrofuran	6.46	42	67489	105.701	ug/l	97
30) Chloroform	6.67	83	278384	21.350	ug/l	100
31) Cyclohexane	6.96	56	132179	19.739	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	304714	23.020	ug/l	98
36) 1,1-Dichloropropene	7.14	75	183893	20.491	ug/l #	88
37) Ethyl Acetate	6.19	43	74876	20.820	ug/l #	95
38) Carbon Tetrachloride	7.11	117	292888	21.907	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	151151	20.103	ug/l	94
40) Benzene	7.46	78	357398	20.627	ug/l	99
41) Methacrylonitrile	6.45	41	96076	20.855	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	218073	21.070	ug/l	97
43) Isopropyl Acetate	9.25	43	105119	21.504	ug/l #	88
44) Trichloroethene	8.54	130	149384	20.895	ug/l	94
45) 1,2-Dichloropropane	8.94	63	91139	21.155	ug/l	93
46) Dibromomethane	9.07	93	82634	21.624	ug/l	93
47) Bromodichloromethane	9.38	83	217130	21.199	ug/l	98
48) Methyl methacrylate	9.13	41	66925	20.287	ug/l	91
49) 1,4-Dioxane	9.09	88	10468	396.031	ug/l	87
51) 4-Methyl-2-Pentanone	10.30	43	352253	109.132	ug/l	98
52) Toluene	10.51	92	243588	20.835	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	176444	20.561	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	191470	22.044	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	88582	22.213	ug/l	97
56) Ethyl methacrylate	11.04	69	94497	21.925	ug/l	98
57) 1,3-Dichloropropane	11.42	76	131595	21.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	256279	113.126	ug/l	96
59) 2-Hexanone	11.53	43	249027	102.311	ug/l	97
60) Dibromochloromethane	11.69	129	169045	21.695	ug/l	100
61) 1,2-Dibromoethane	11.81	107	99761	20.498	ug/l	96
64) Tetrachloroethene	11.26	164	133301	20.785	ug/l	89
65) Chlorobenzene	12.40	112	315463	21.361	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	142929	20.064	ug/l	92
67) Ethyl Benzene	12.53	91	537696	20.001	ug/l	97
68) m/p-Xylenes	12.67	106	383648	41.133	ug/l	98
69) o-Xylene	13.05	106	174432	19.506	ug/l	94
70) Styrene	13.08	104	298046	19.768	ug/l	95
71) Bromoform	13.24	173	109554	22.510	ug/l	93
73) Isopropylbenzene	13.40	105	570319	21.509	ug/l	96
74) N-amyl acetate	13.27	43	142950	20.845	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	95375	21.569	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	107284	21.345	ug/l	98
77) Bromobenzene	13.67	156	147301	20.097	ug/l	92
78) n-propylbenzene	13.78	91	710842	22.835	ug/l	98
79) 2-Chlorotoluene	13.85	91	404183	21.736	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	539412	23.089	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	27069	21.267	ug/l	85
82) 4-Chlorotoluene	13.95	91	511361	23.043	ug/l	87
83) tert-Butylbenzene	14.19	119	569983	22.511	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	495619	21.186	ug/l	99
85) sec-Butylbenzene	14.37	105	576676	21.984	ug/l	95
86) p-Isopropyltoluene	14.50	119	549396	21.808	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	296596	23.476	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	271481	21.479	ug/l	97
89) n-Butylbenzene	14.80	91	541796	23.540	ug/l	99
90) Hexachloroethane	15.01	117	139200	21.160	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	267642	23.599	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	19817	21.853	ug/l	88

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QLast Update : Fri Jun 07 04:07:05 2019
Response via : Initial Calibration

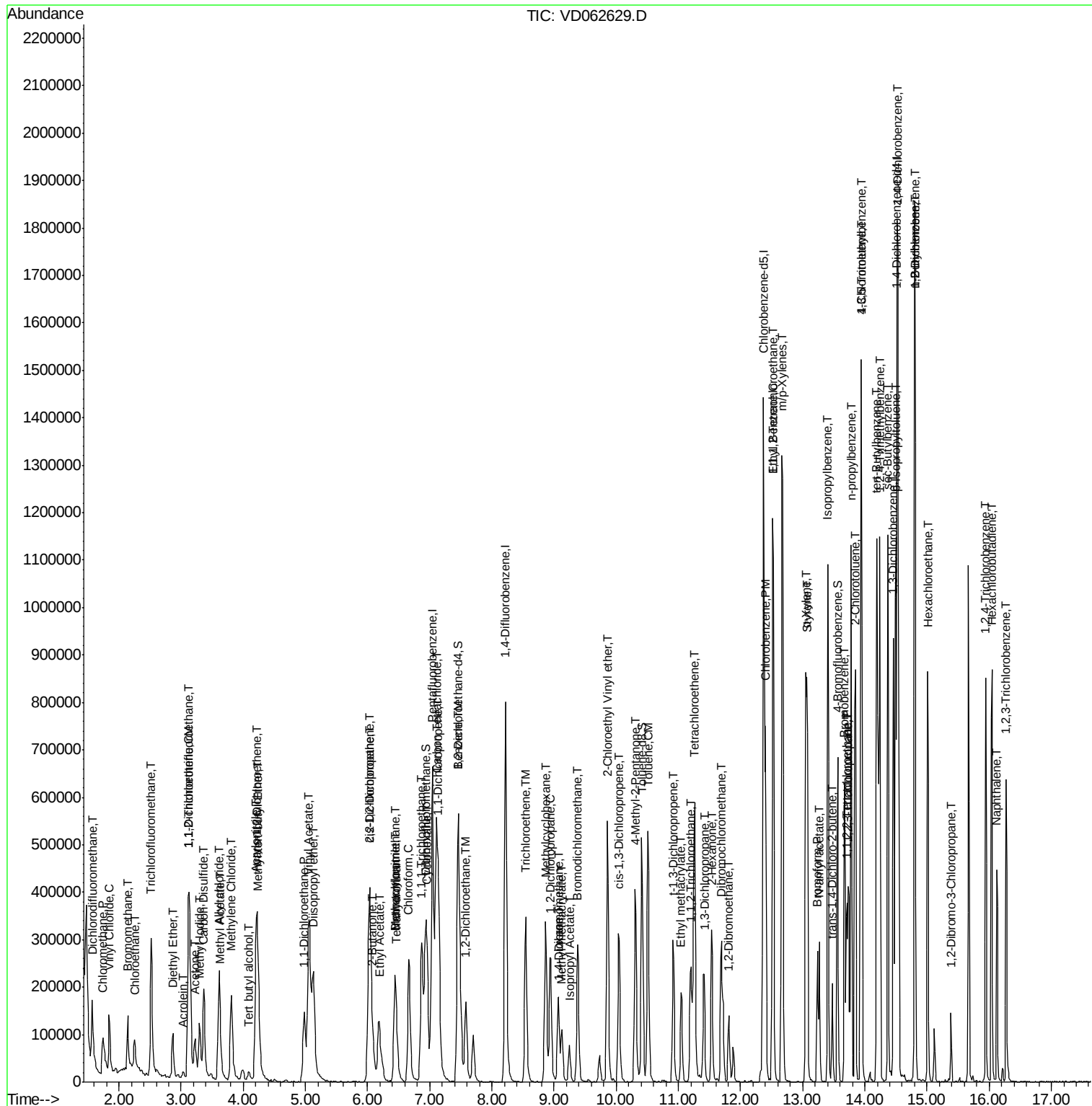
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	187210	22.369	ug/l	98
94) Hexachlorobutadiene	16.04	225	151632	24.168	ug/l	95
95) Naphthalene	16.12	128	270188	22.754	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	156492	24.758	ug/l	96

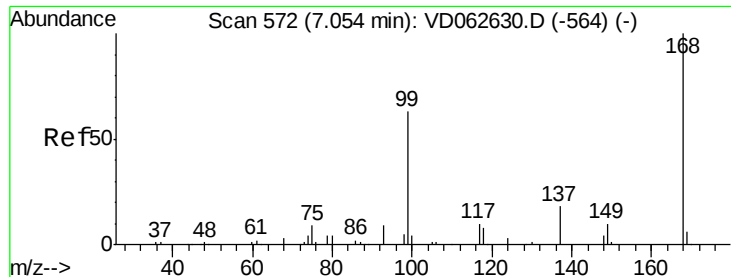
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062629.D
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

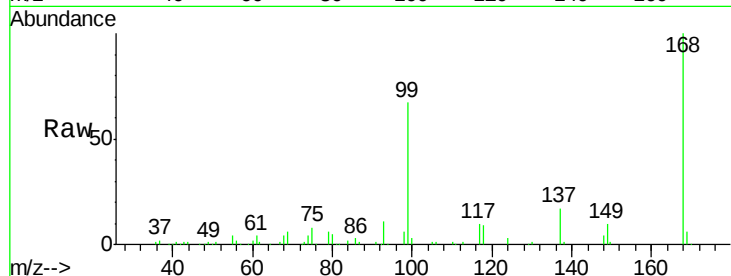
VSTDIC020

Tot Ion:168 Resp: 596746

Ion Ratio Lower Upper

168 100

99 67.3 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

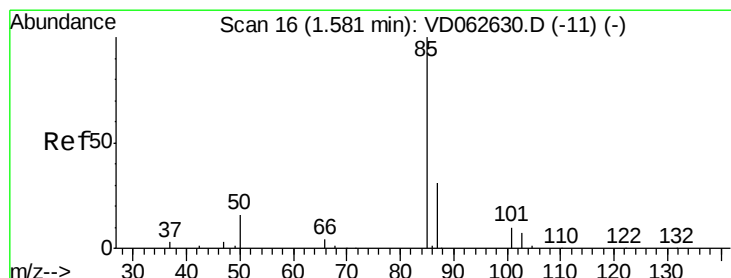
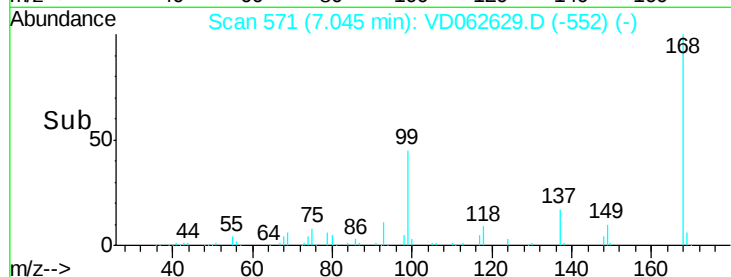
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 23.576 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062629.D

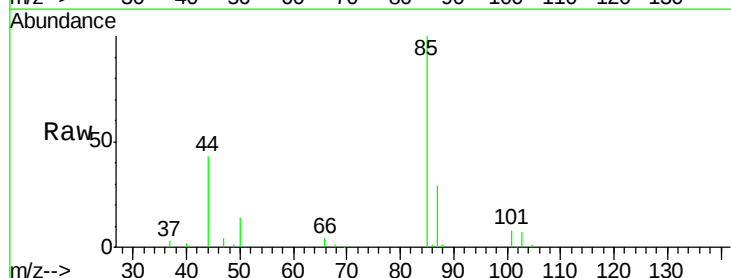
Acq: 6 Jun 2019 17:20

Tgt Ion: 85 Resp: 173202

Ion Ratio Lower Upper

85 100

87 28.6 15.4 46.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

80000

60000

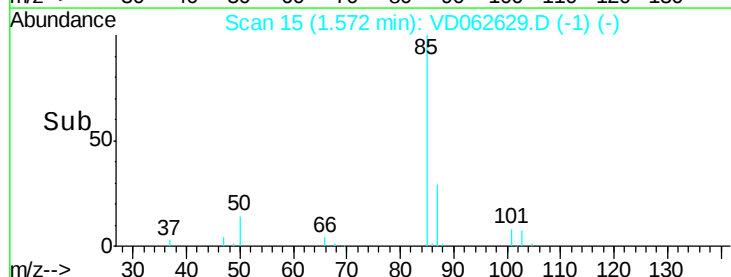
40000

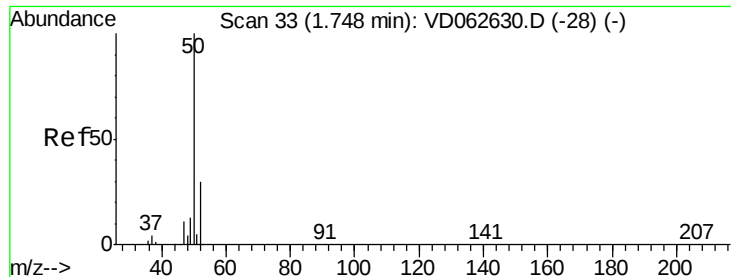
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.792 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

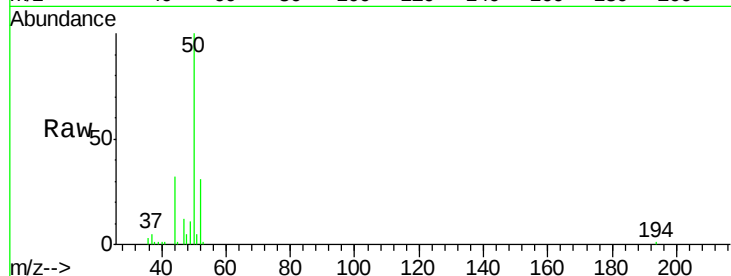
VSTDIC020

Tot Ion: 50 Resp: 130222

Ion Ratio Lower Upper

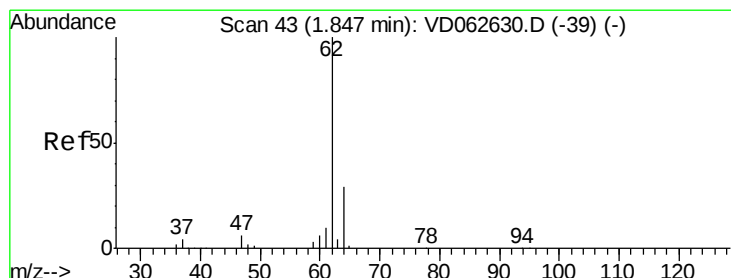
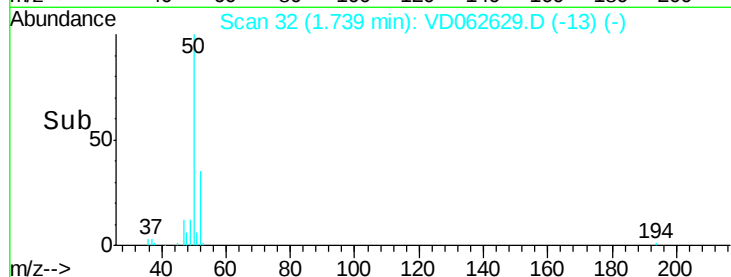
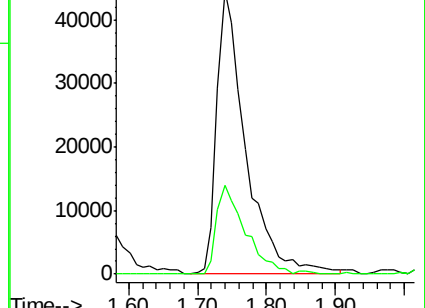
50 100

52 31.5 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.394 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062629.D

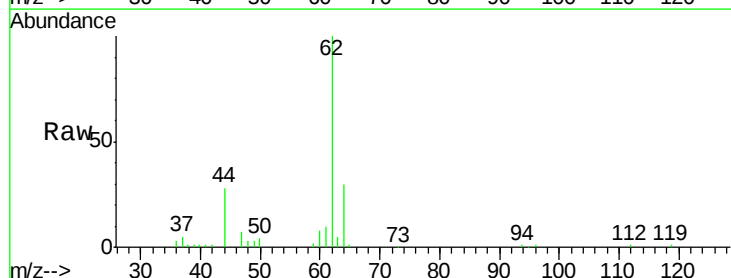
Acq: 6 Jun 2019 17:20

Tgt Ion: 62 Resp: 126121

Ion Ratio Lower Upper

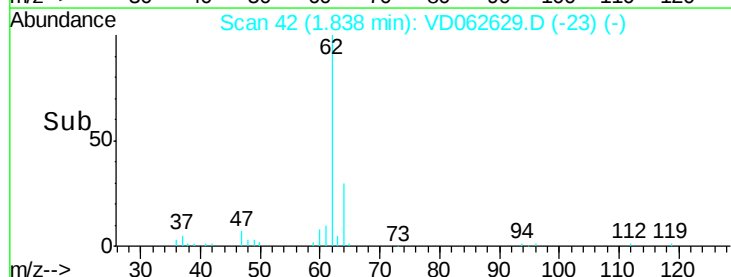
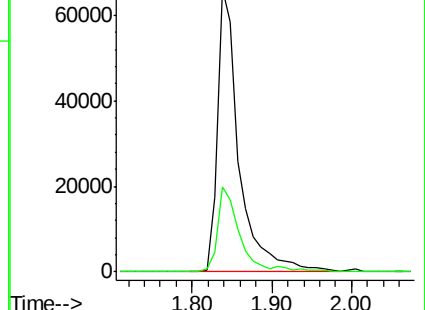
62 100

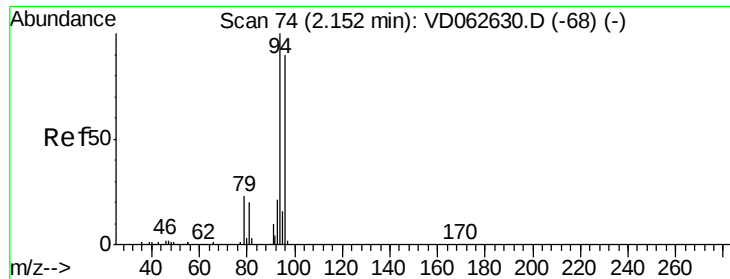
64 29.8 23.3 34.9



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.234 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

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ClientSampleId :

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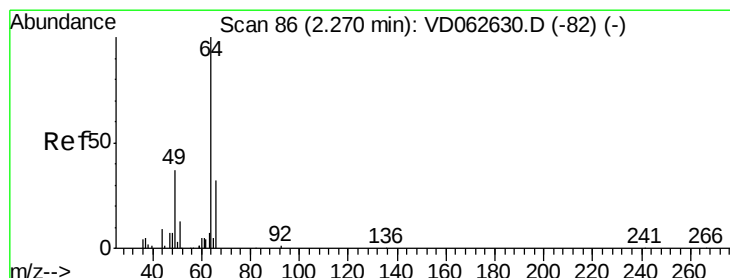
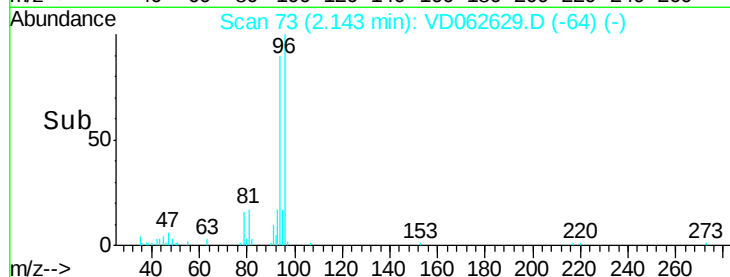
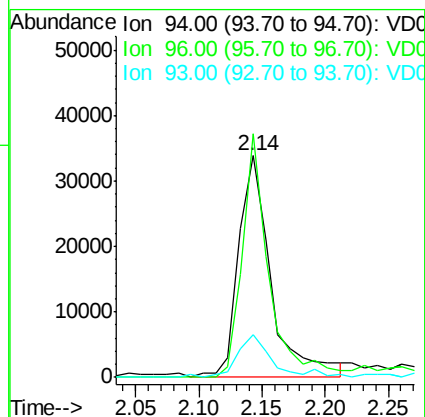
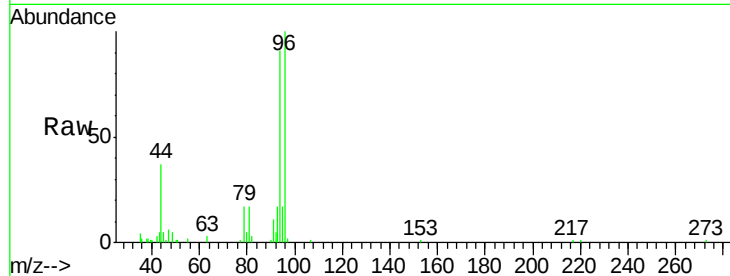
Tot Ion: 94 Resp: 60539

Ion Ratio Lower Upper

94 100

96 110.0 72.2 108.4#

93 19.2 17.0 25.6



#6

Chloroethane

Concen: 20.125 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD062629.D

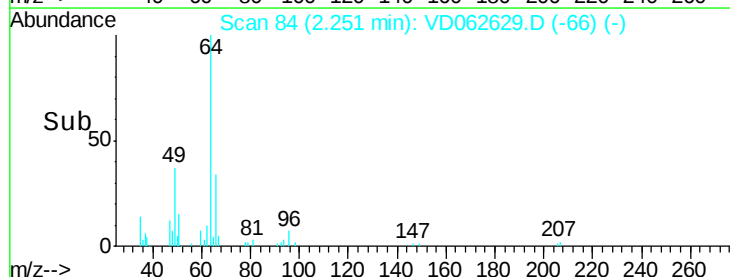
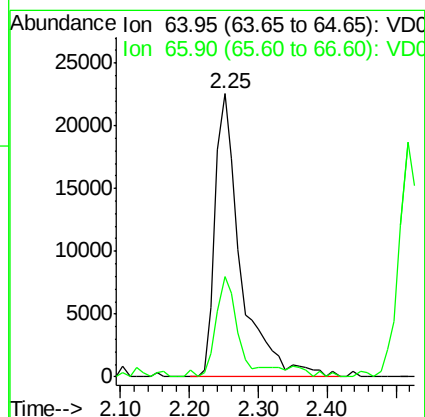
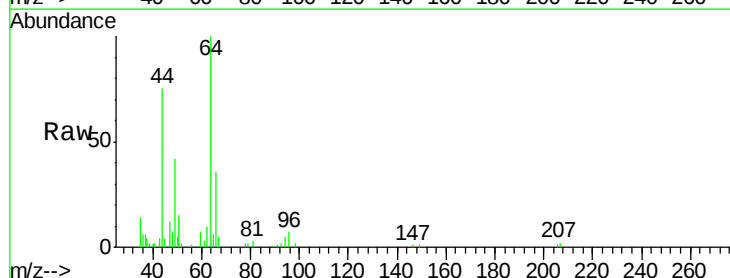
Acq: 6 Jun 2019 17:20

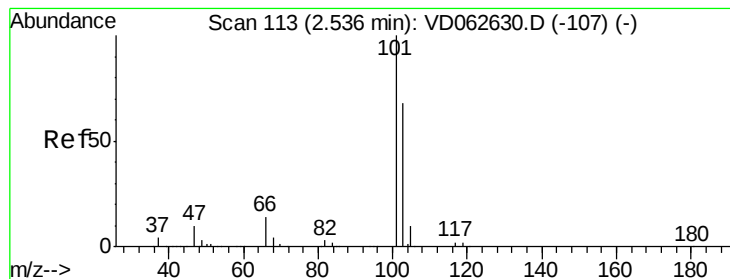
Tgt Ion: 64 Resp: 58331

Ion Ratio Lower Upper

64 100

66 35.6 25.5 38.3



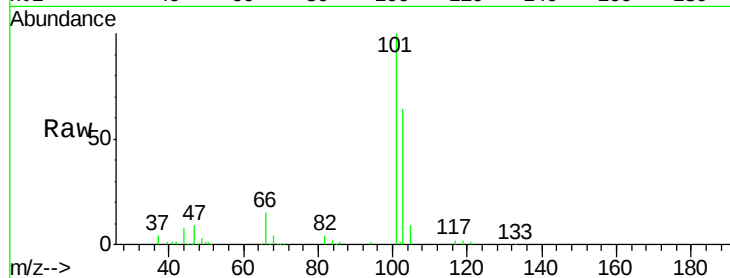


#7

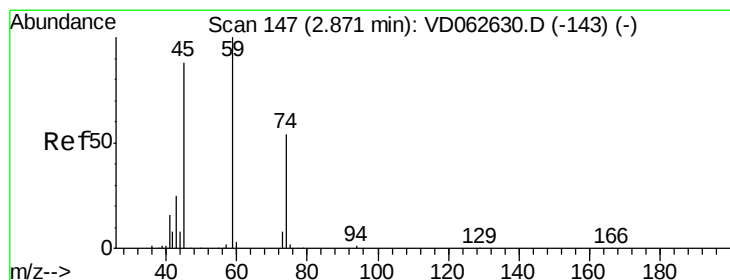
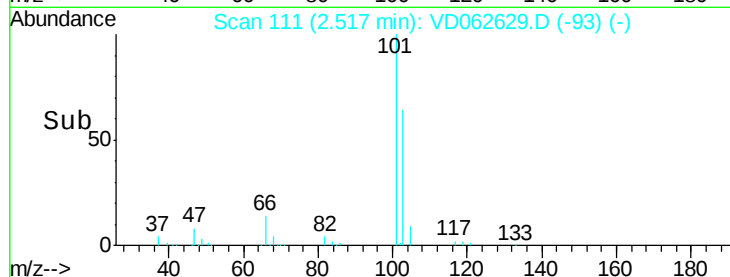
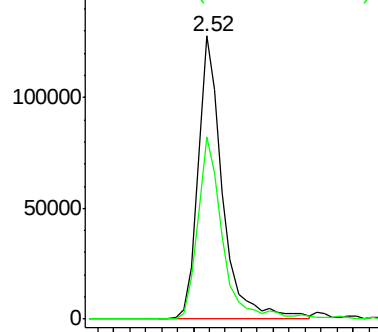
Trichlorofluoromethane
Concen: 22.149 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.02 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:101 Resp: 276412
Ion Ratio Lower Upper
101 100
103 64.4 54.6 81.8



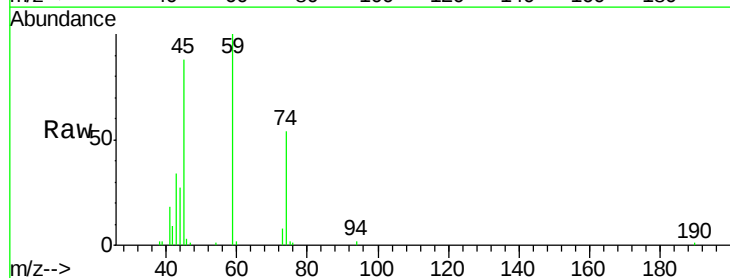
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



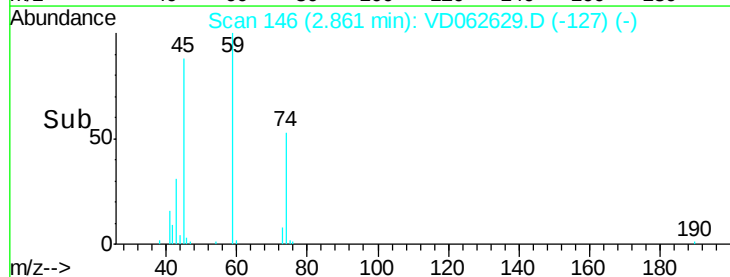
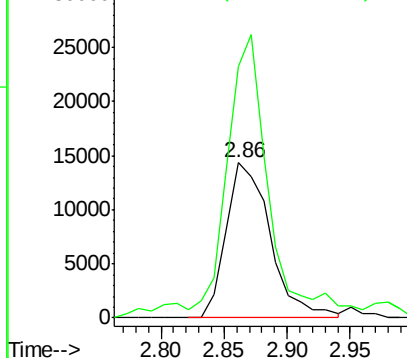
#8

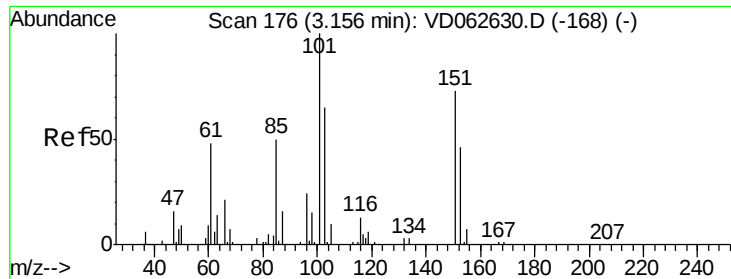
Diethyl Ether
Concen: 21.661 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 74 Resp: 34700
Ion Ratio Lower Upper
74 100
45 162.7 82.5 247.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.662 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

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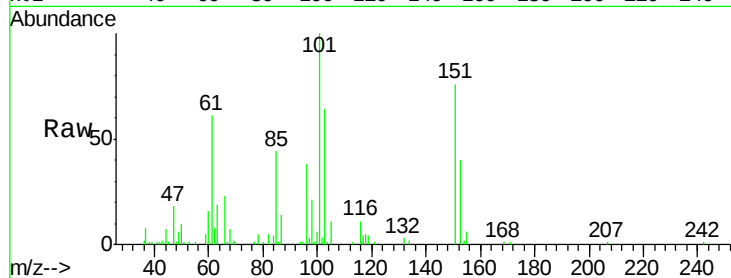
Tot Ion:101 Resp: 153520

Ion Ratio Lower Upper

101 100

85 43.9 39.8 59.6

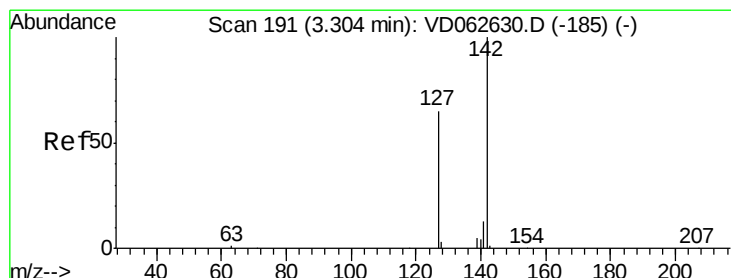
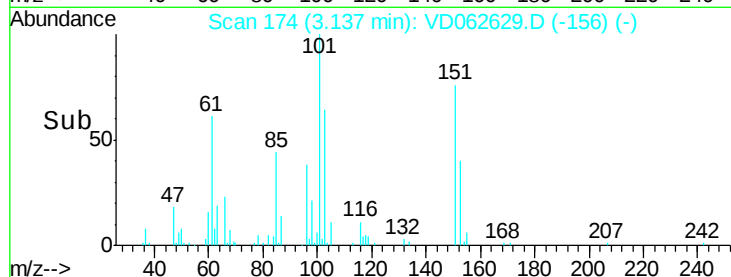
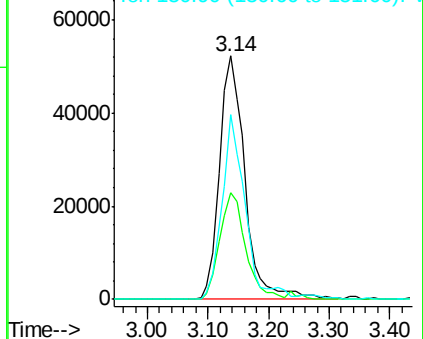
151 76.1 58.4 87.6



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: 20.901 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

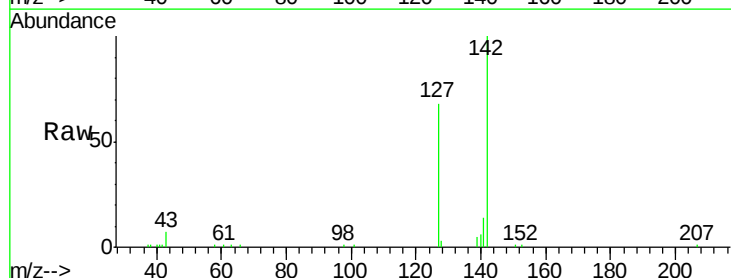
Tgt Ion:142 Resp: 184608

Ion Ratio Lower Upper

142 100

127 68.3 52.1 78.1

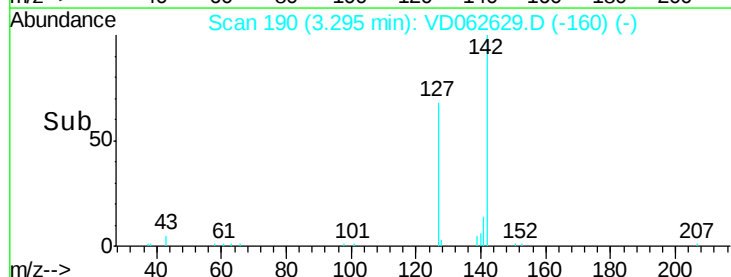
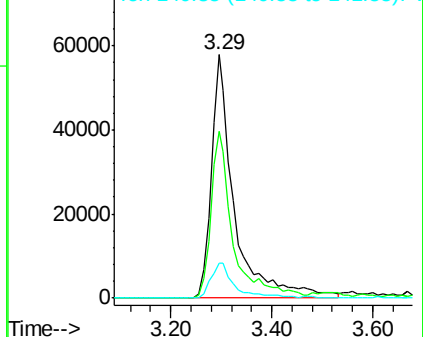
141 14.2 10.3 15.5

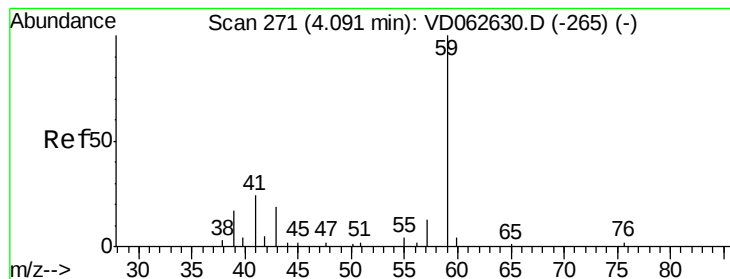


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



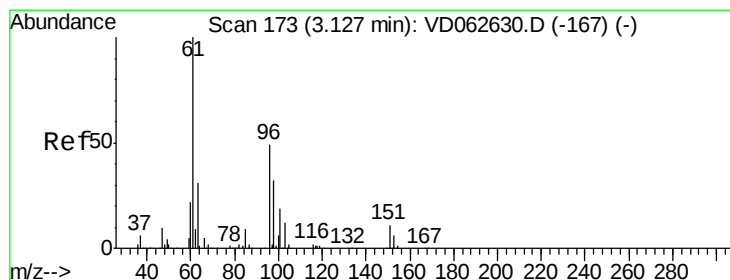
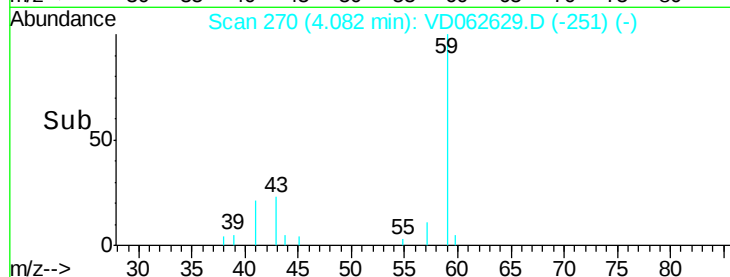
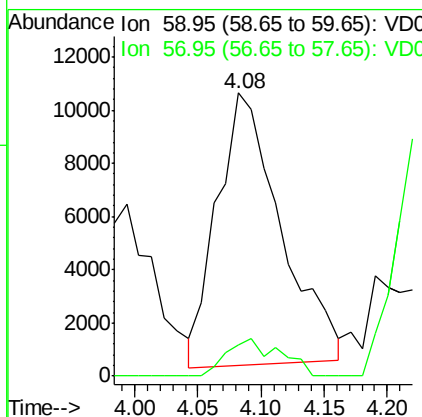
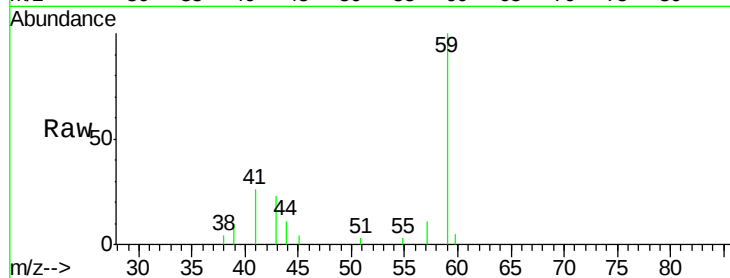


#11

Tert butyl alcohol
 Concen: 101.486 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.01 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

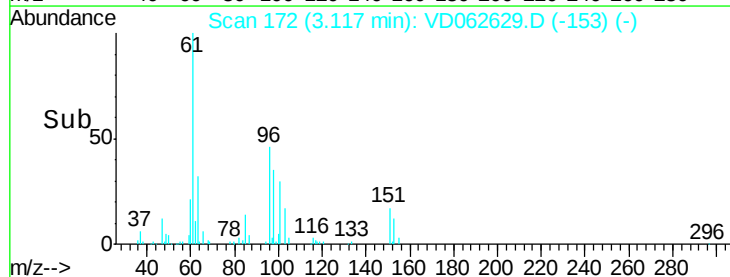
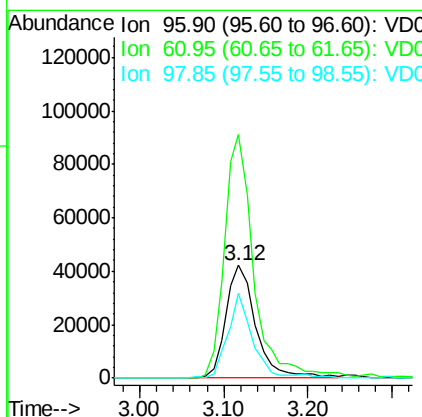
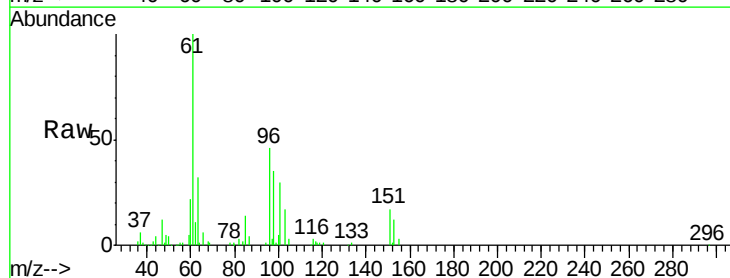
Tot Ion: 59 Resp: 35994
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.2 13.8

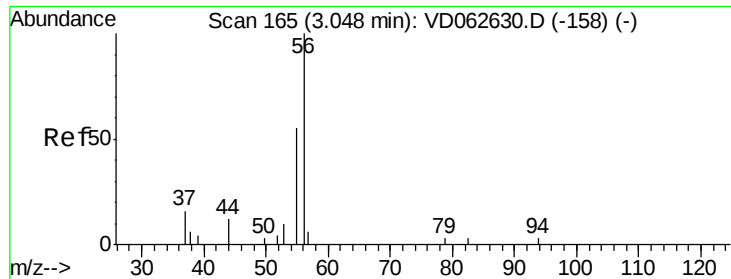


#12

1,1-Dichloroethene
 Concen: 20.506 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Tgt Ion: 96 Resp: 104837
 Ion Ratio Lower Upper
 96 100
 61 215.9 163.6 245.4
 98 75.0 52.5 78.7

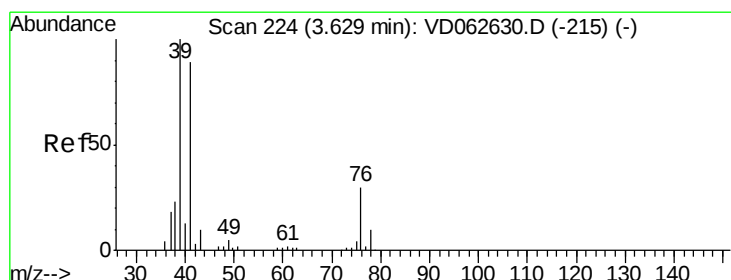
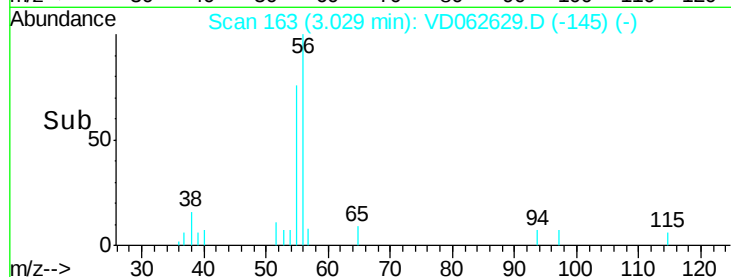
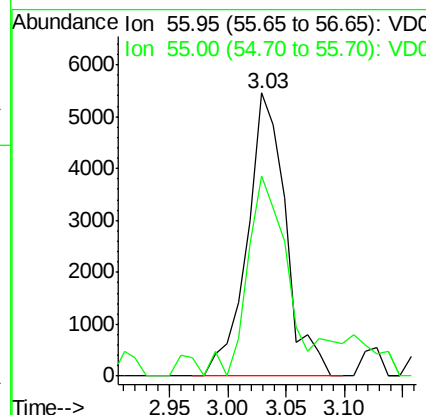
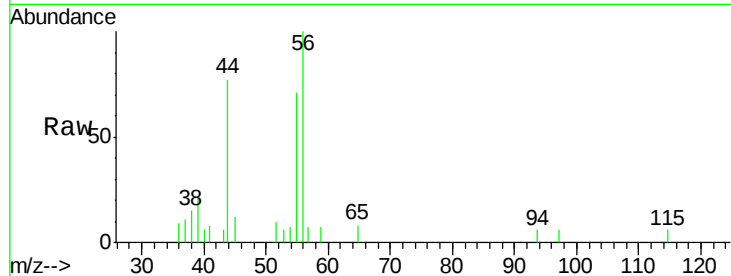




#13
Acrolein
Concen: 97.117 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.02 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

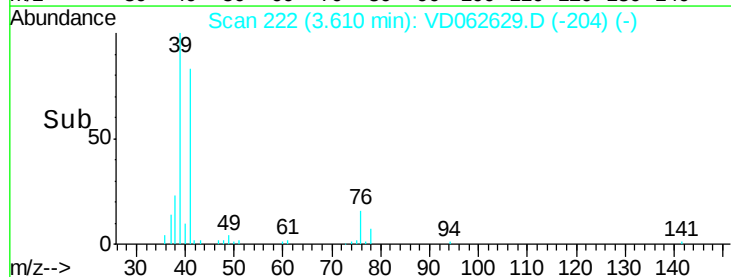
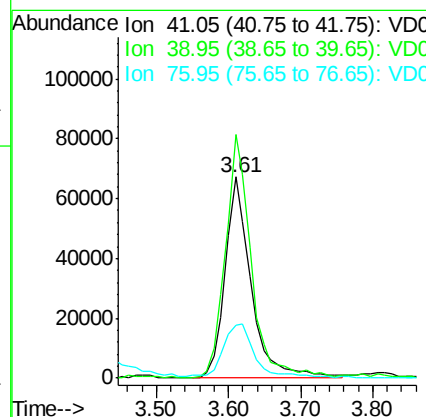
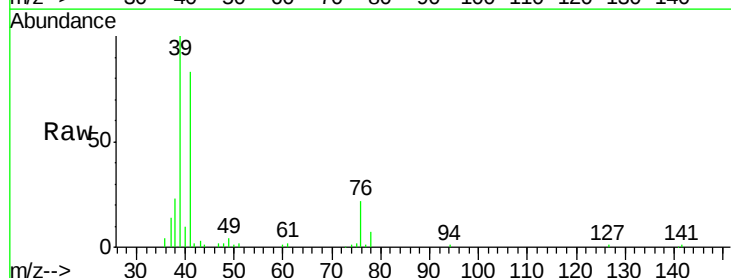
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

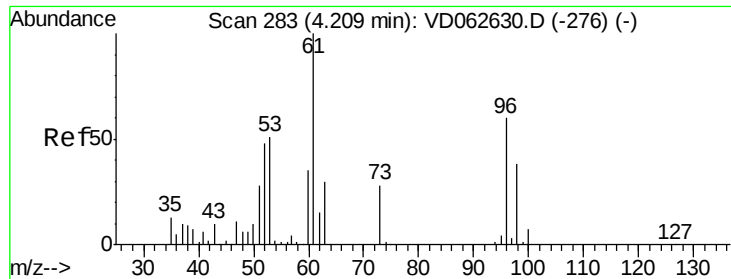
Tot Ion: 56 Resp: 12457
Ion Ratio Lower Upper
56 100
55 70.6 46.3 69.5#



#14
Allyl chloride
Concen: 21.593 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 41 Resp: 168116
Ion Ratio Lower Upper
41 100
39 121.1 90.1 135.1
76 26.5 28.9 43.3#





#15

Acrylonitrile

Concen: 100.158 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

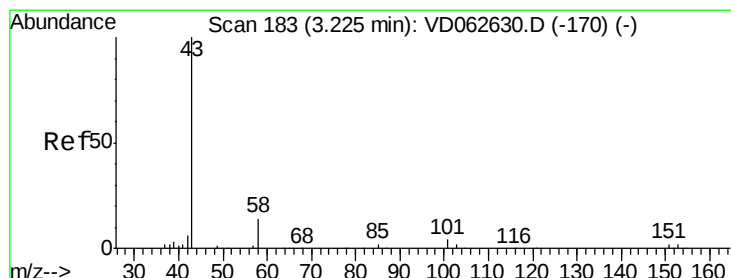
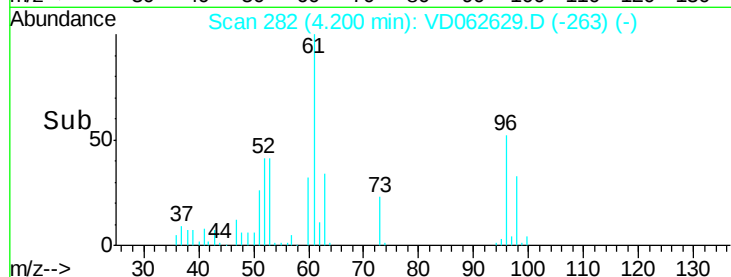
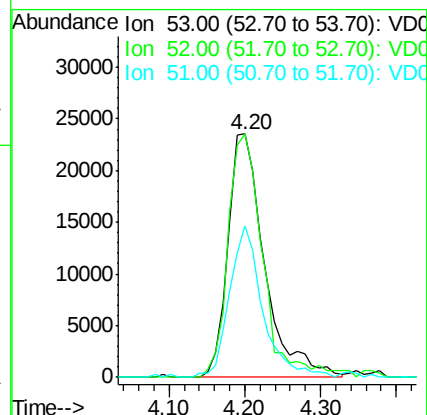
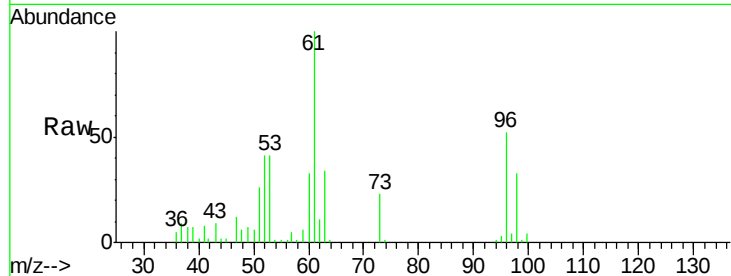
Tot Ion: 53 Resp: 78955

Ion Ratio Lower Upper

53 100

52 99.9 74.8 112.2

51 62.2 43.9 65.9



#16

Acetone

Concen: 105.404 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062629.D

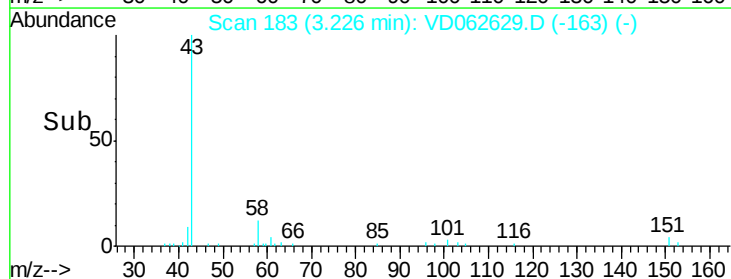
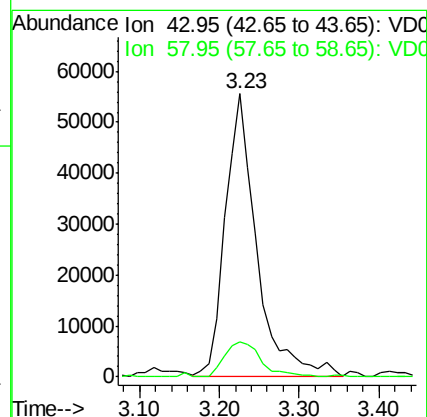
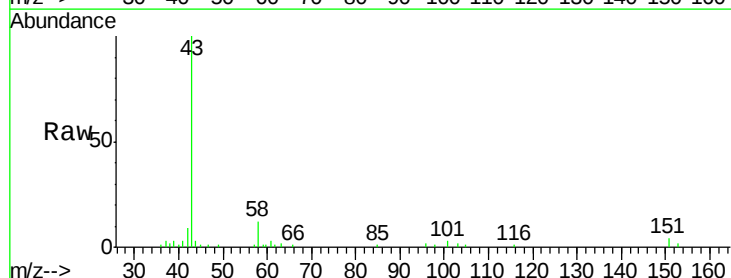
Acq: 6 Jun 2019 17:20

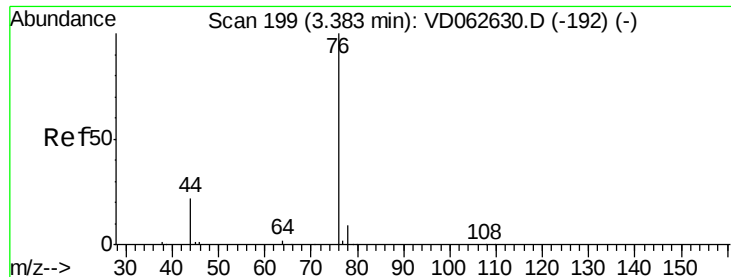
Tgt Ion: 43 Resp: 155242

Ion Ratio Lower Upper

43 100

58 12.3 11.3 16.9

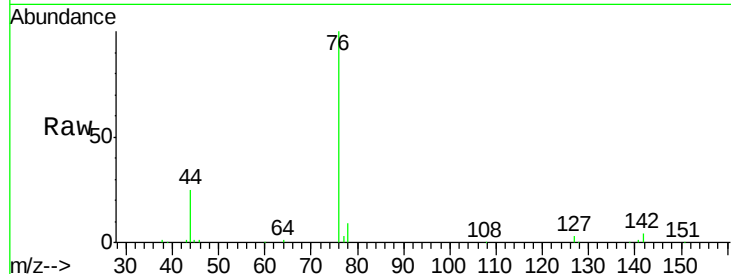




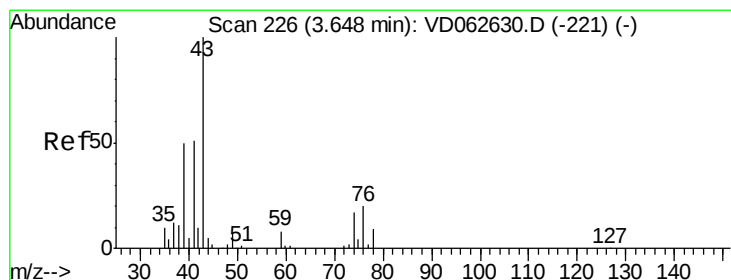
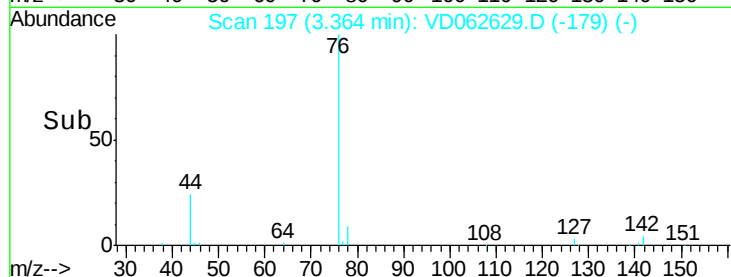
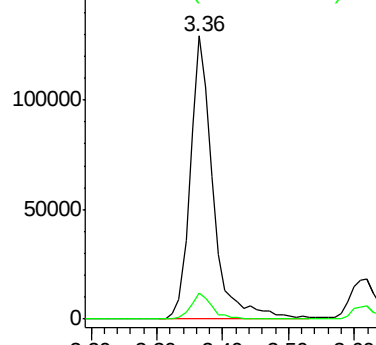
#17
Carbon Disulfide
Concen: 20.865 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 311240
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

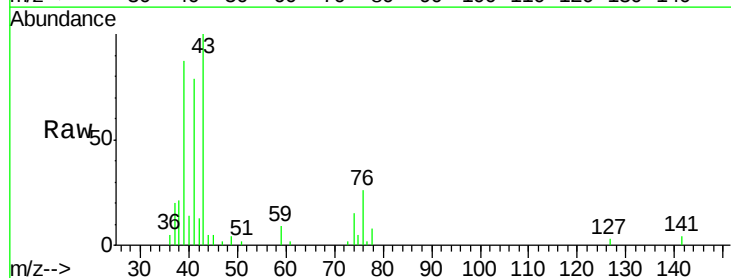


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

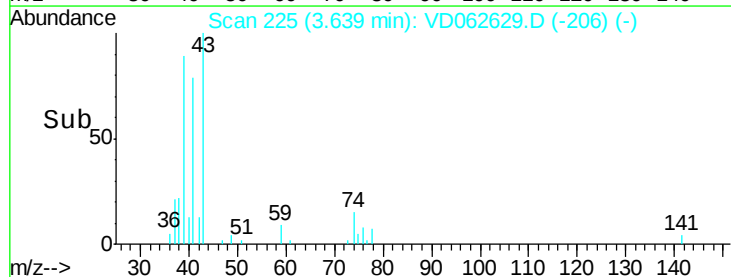
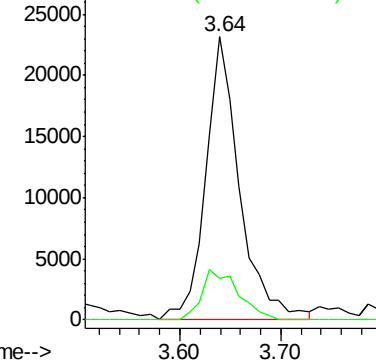


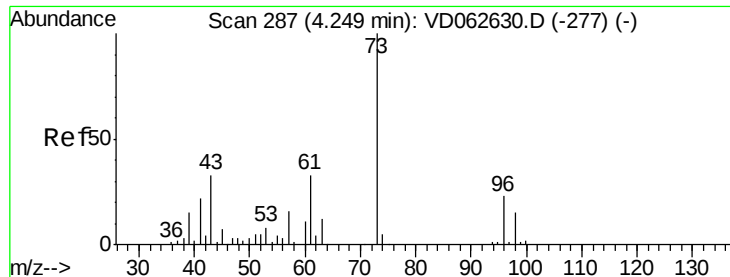
#18
Methyl Acetate
Concen: 21.085 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 43 Resp: 54279
Ion Ratio Lower Upper
43 100
74 14.6 13.4 20.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

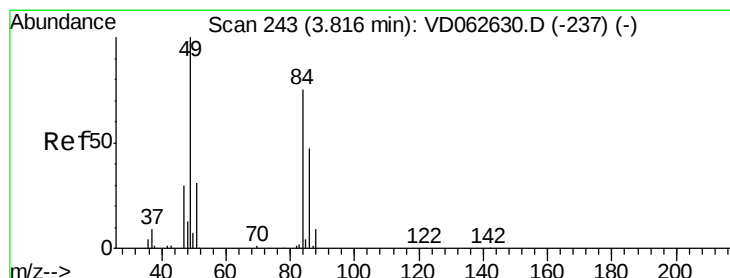
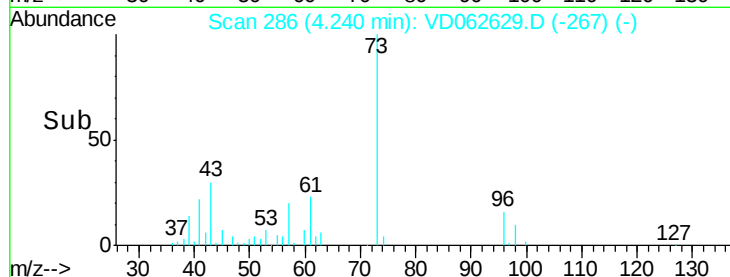
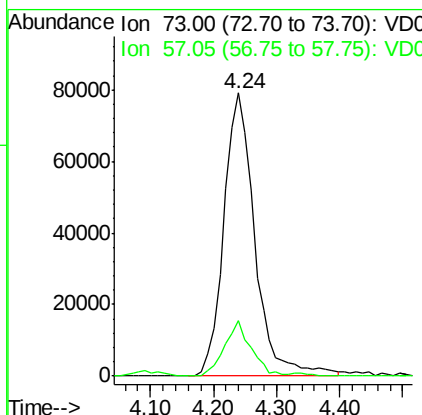
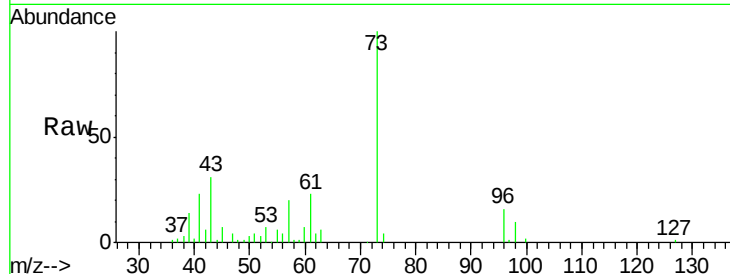




#19
Methyl tert-butyl Ether
Concen: 21.535 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

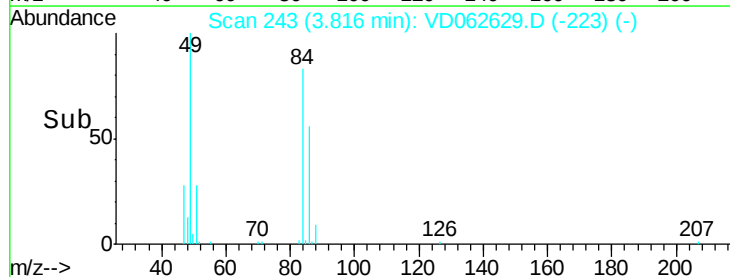
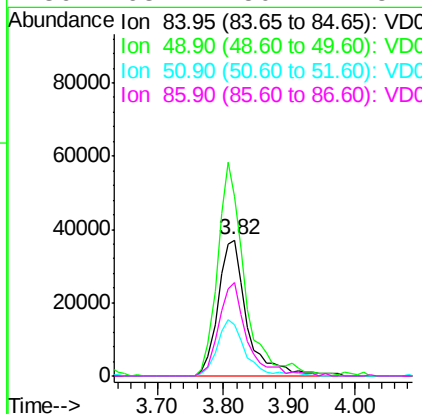
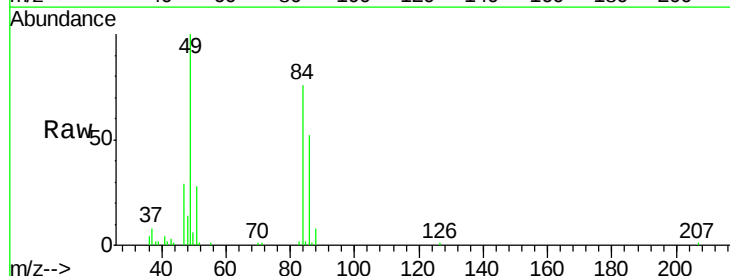
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

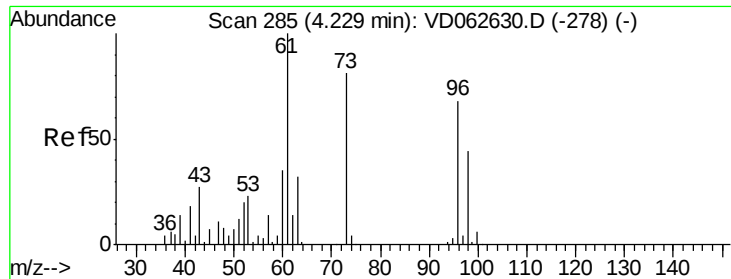
Tot Ion: 73 Resp: 269473
Ion Ratio Lower Upper
73 100
57 19.6 13.4 20.0



#20
Methylene Chloride
Concen: 20.335 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 84 Resp: 114225
Ion Ratio Lower Upper
84 100
49 131.6 107.1 160.7
51 37.4 33.5 50.3
86 68.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.942 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

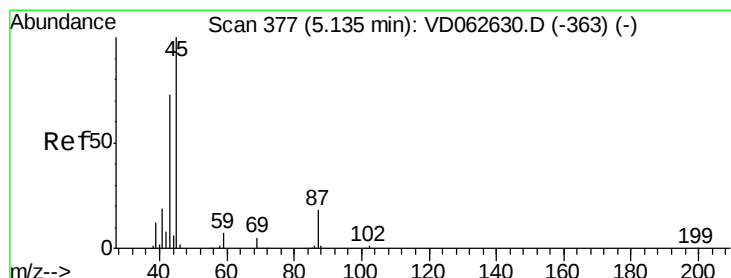
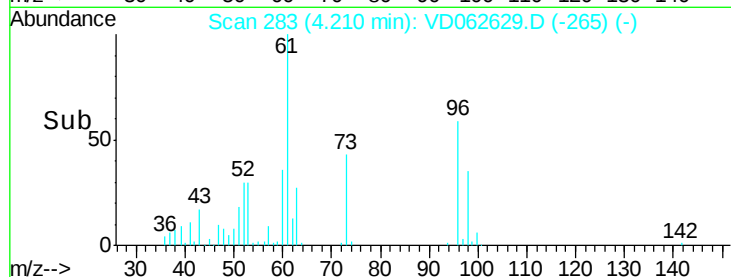
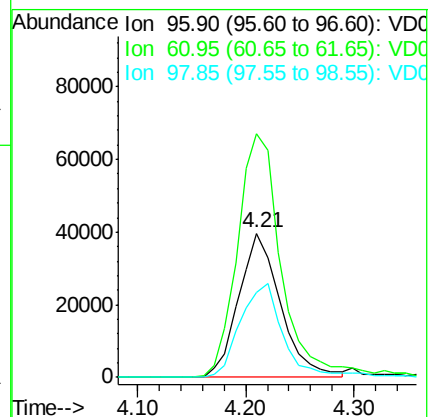
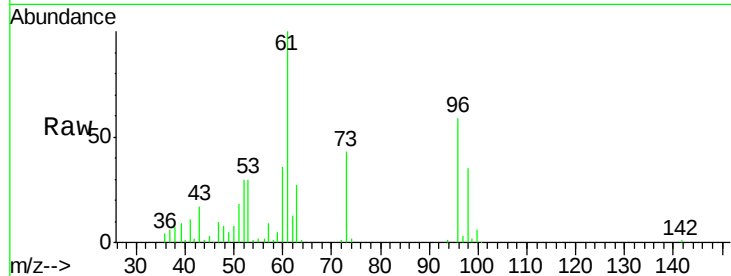
Tot Ion: 96 Resp: 106736

Ion Ratio Lower Upper

96 100

61 169.3 118.0 177.0

98 59.1 51.8 77.8



#22

Diisopropyl ether

Concen: 21.684 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Tgt Ion: 45 Resp: 354985

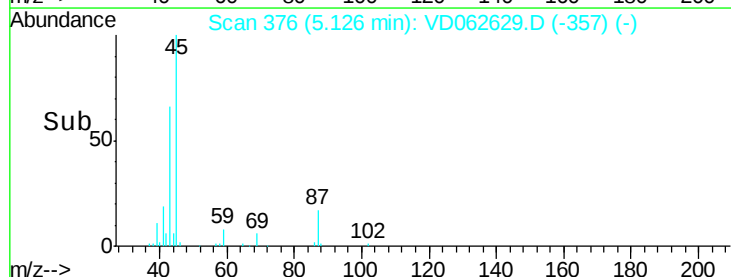
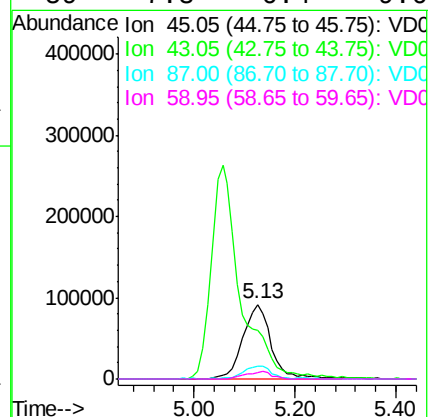
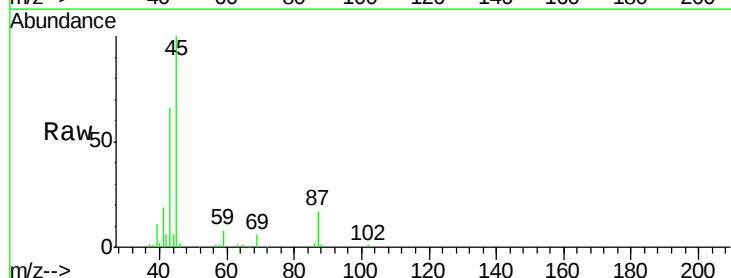
Ion Ratio Lower Upper

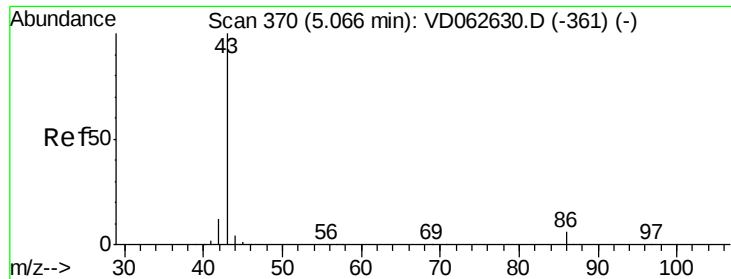
45 100

43 66.1 58.7 88.1

87 16.7 14.6 21.8

59 7.8 6.4 9.6





#23

Vinyl Acetate

Concen: 105.138 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

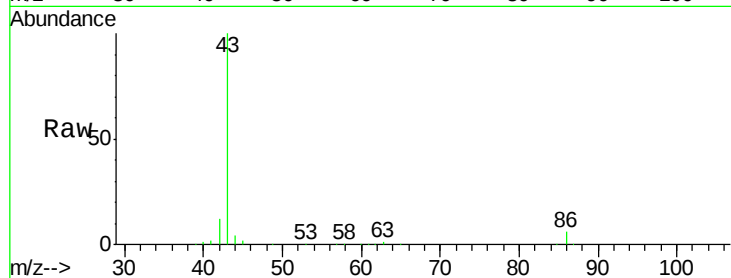
VSTDIC020

Tot Ion: 43 Resp: 1058849

Ion Ratio Lower Upper

43 100

86 6.1 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

250000

200000

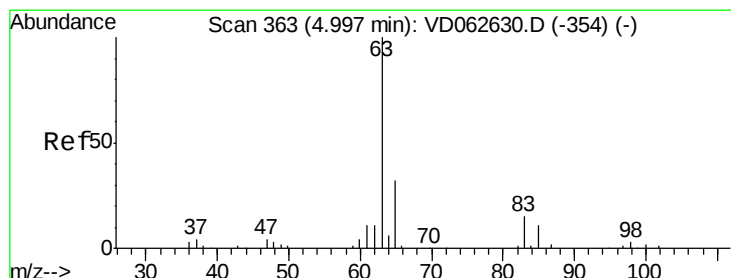
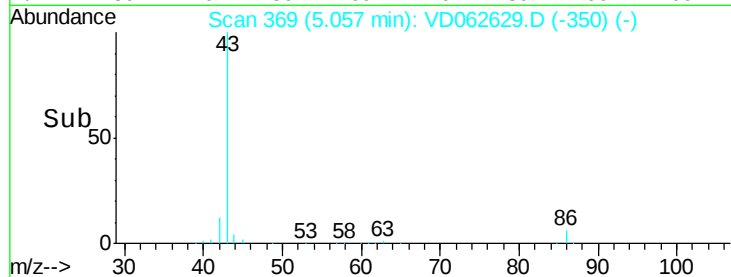
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.589 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

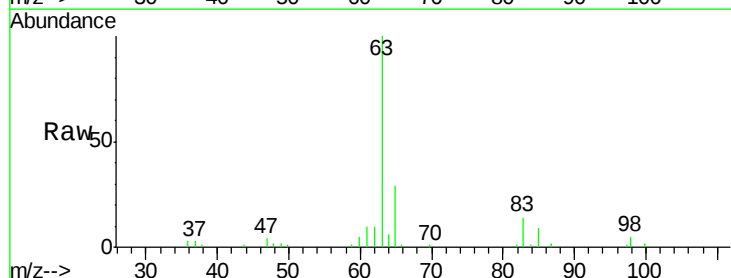
Tgt Ion: 63 Resp: 224874

Ion Ratio Lower Upper

63 100

98 4.6 1.7 5.1

100 2.4 1.0 3.0



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

80000

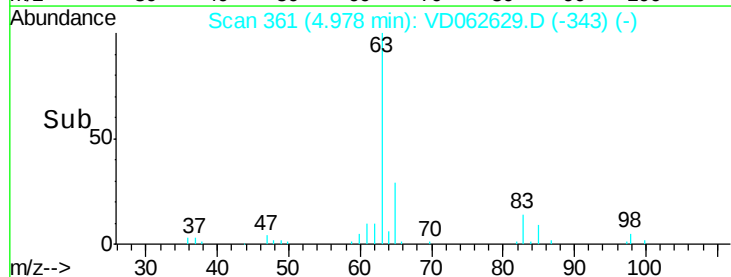
60000

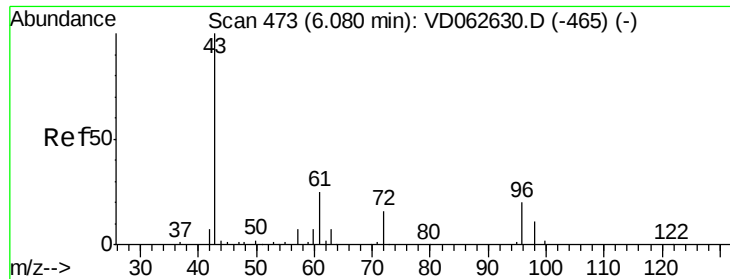
40000

20000

0

Time-->





#25

2-Butanone

Concen: 110.364 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

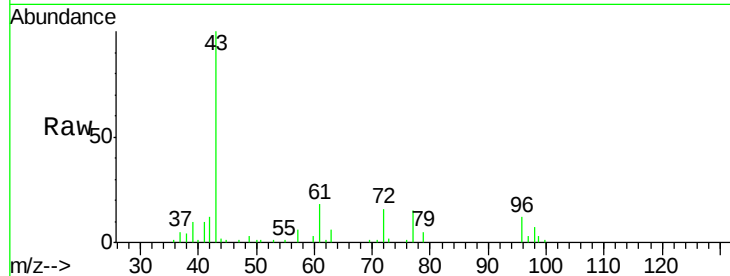
VSTDIC020

Tot Ion: 43 Resp: 151074

Ion Ratio Lower Upper

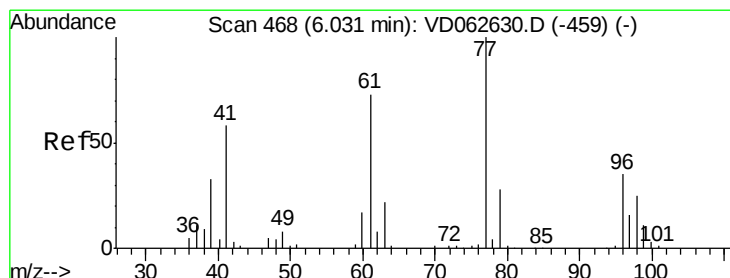
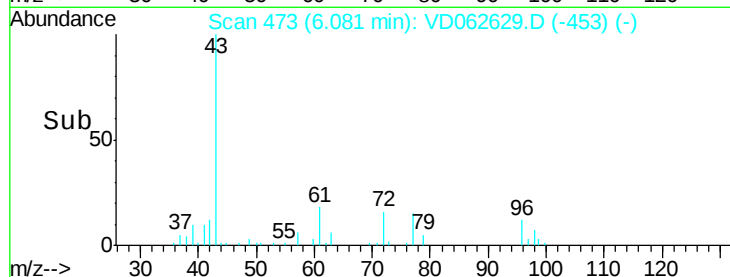
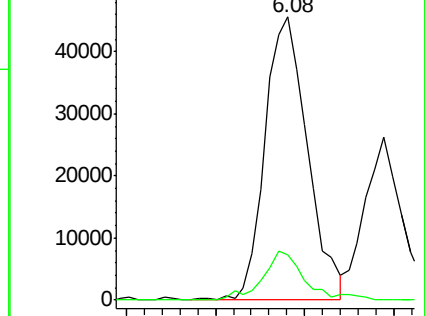
43 100

72 16.2 12.9 19.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.486 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD062629.D

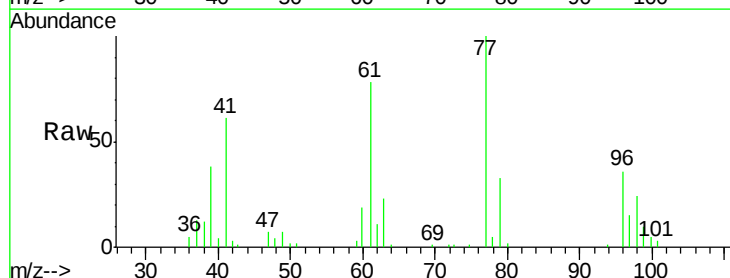
Acq: 6 Jun 2019 17:20

Tgt Ion: 77 Resp: 255862

Ion Ratio Lower Upper

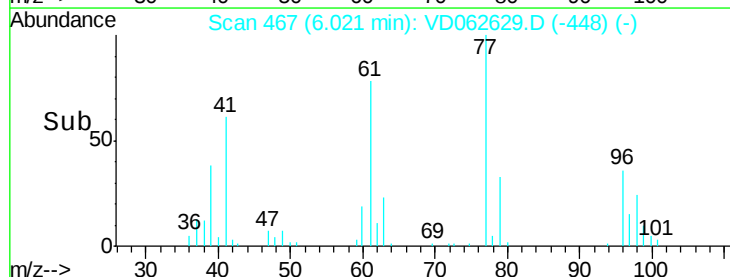
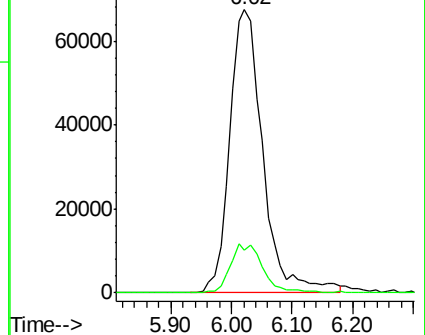
77 100

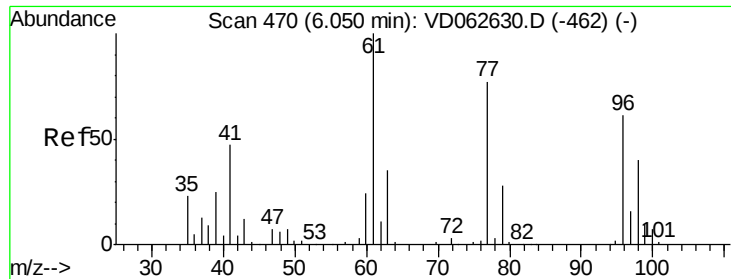
97 15.0 7.9 23.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



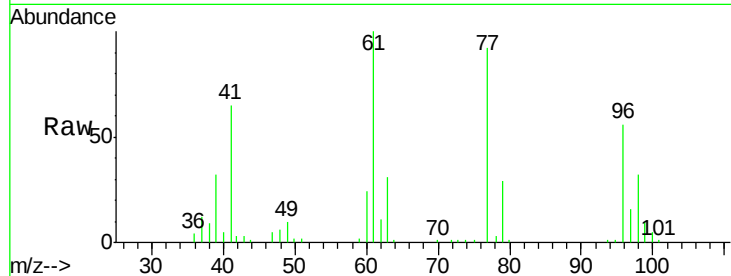


#27

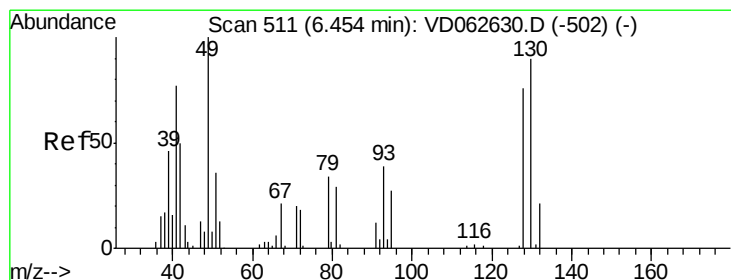
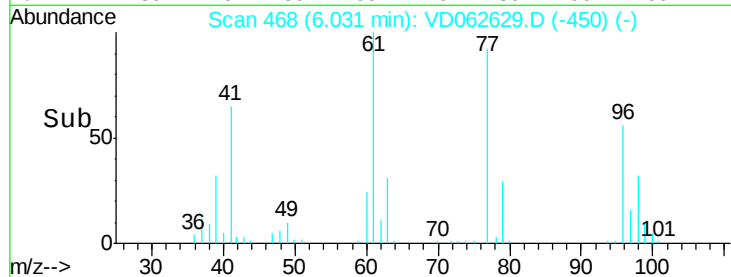
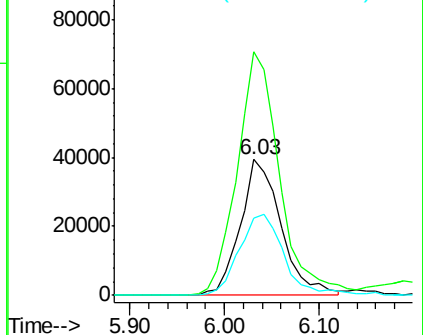
cis-1,2-Dichloroethene
Concen: 19.783 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 118028
Ion Ratio Lower Upper
96 100
61 179.4 0.0 330.2
98 57.1 0.0 132.4



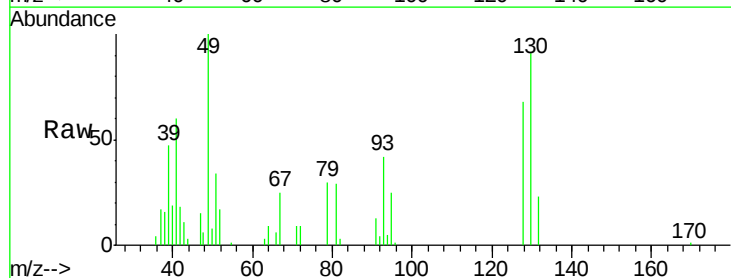
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



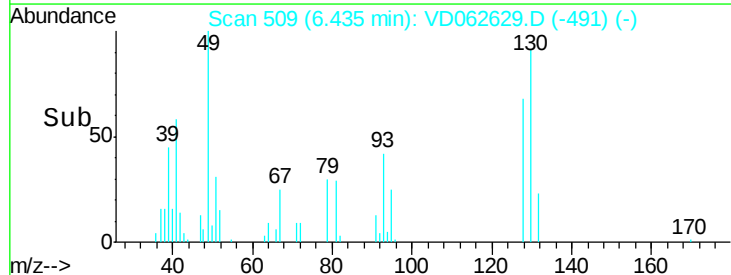
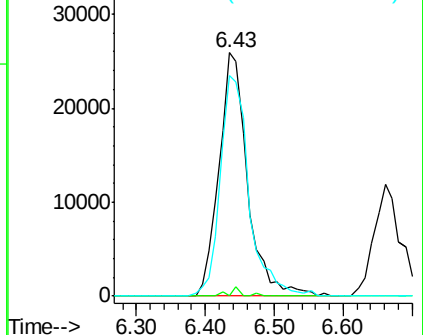
#28

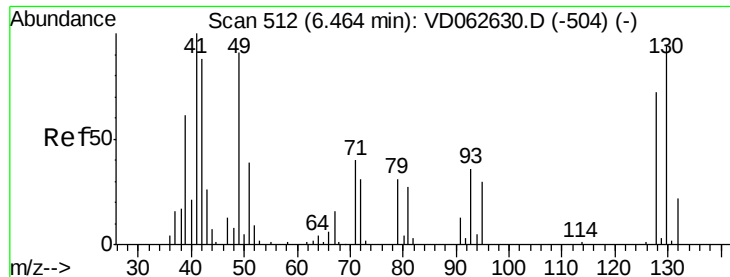
Bromochloromethane
Concen: 18.780 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 49 Resp: 74567
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 90.6 72.2 108.2



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

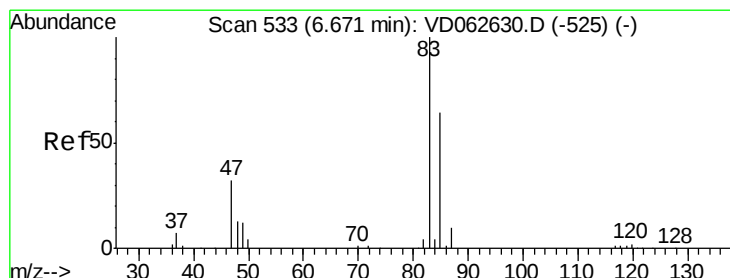
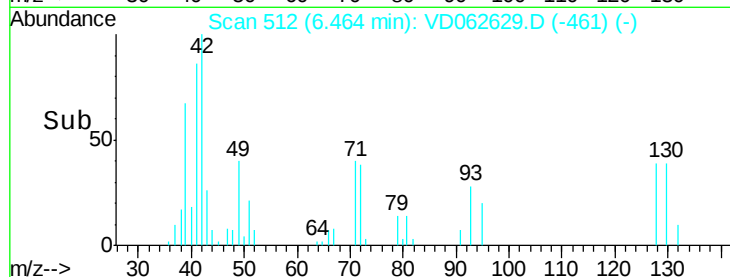
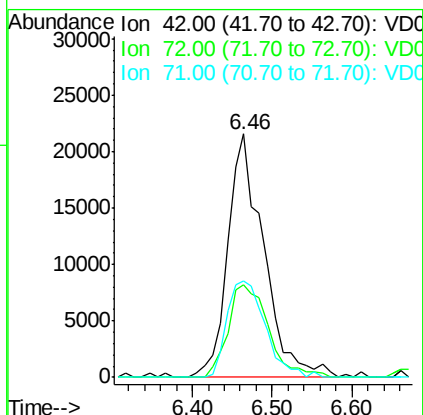
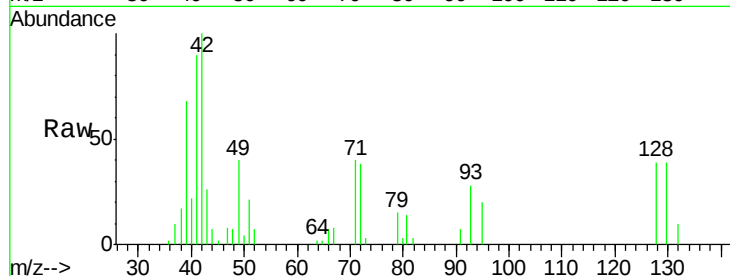




#29
Tetrahydrofuran
Concen: 105.701 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

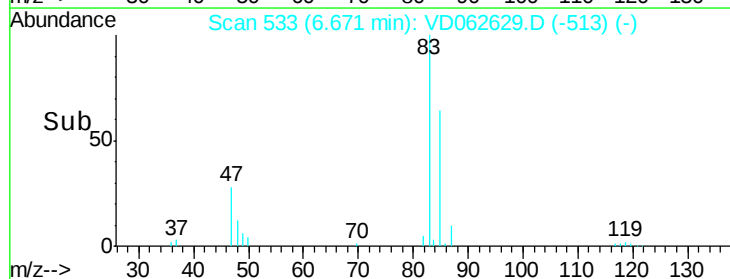
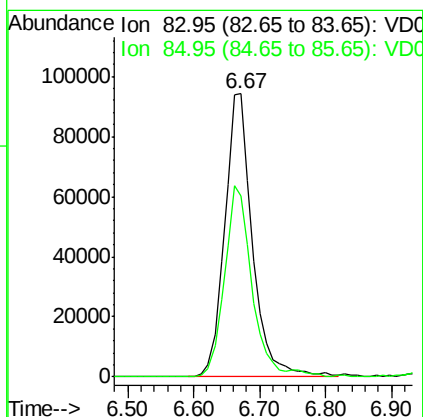
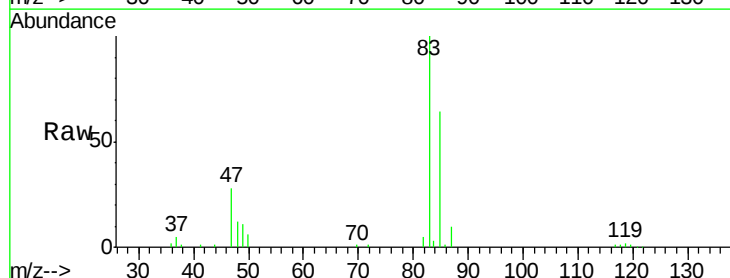
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

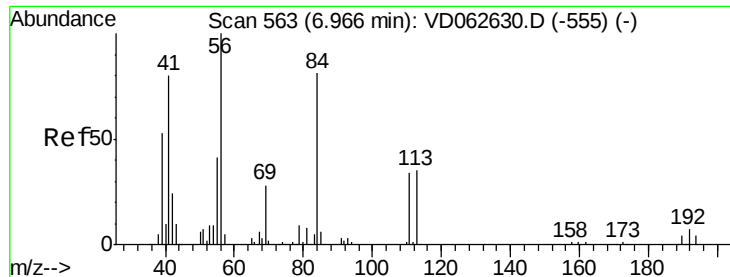
Tot Ion: 42 Resp: 67489
Ion Ratio Lower Upper
42 100
72 42.8 31.4 47.2
71 42.4 34.0 51.0



#30
Chloroform
Concen: 21.350 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 83 Resp: 278384
Ion Ratio Lower Upper
83 100
85 63.7 51.0 76.6





#31

Cyclohexane

Concen: 19.739 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

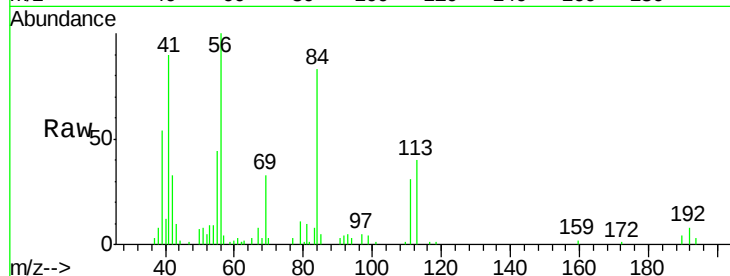
Tot Ion: 56 Resp: 132179

Ion Ratio Lower Upper

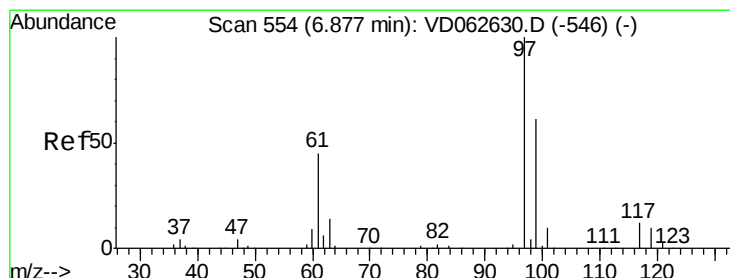
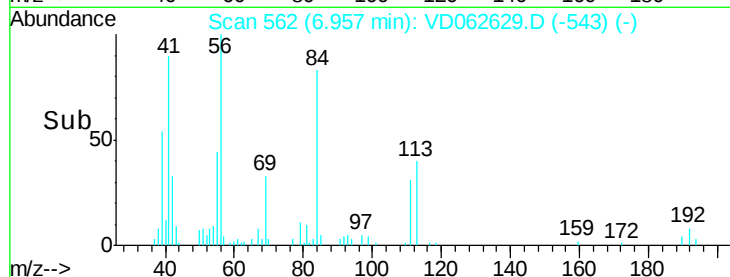
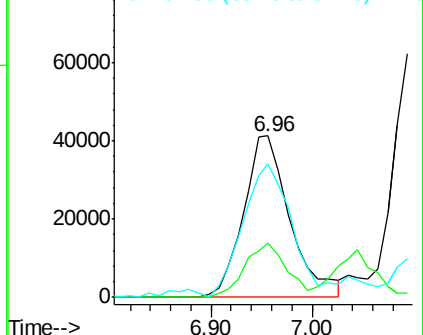
56 100

69 33.5 22.4 33.6

84 83.1 67.8 101.8



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



#32

1,1,1-Trichloroethane

Concen: 23.020 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

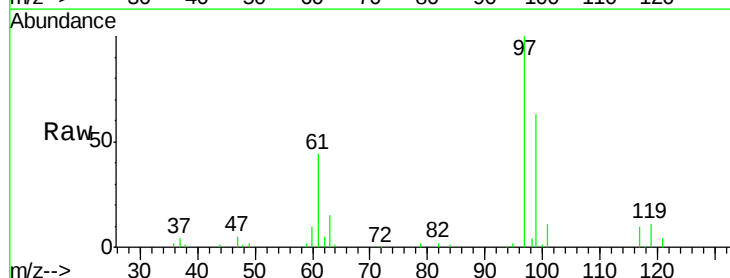
Tgt Ion: 97 Resp: 304714

Ion Ratio Lower Upper

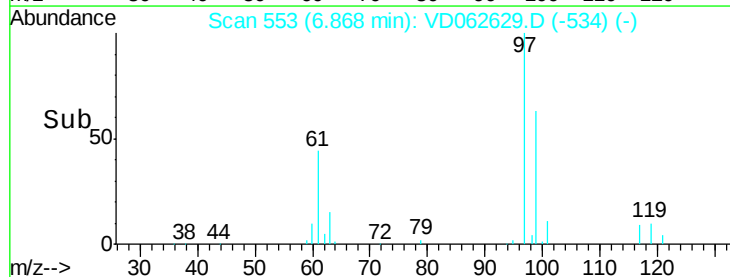
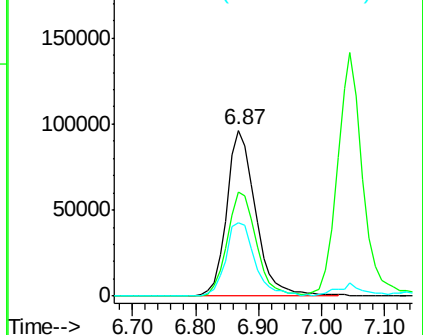
97 100

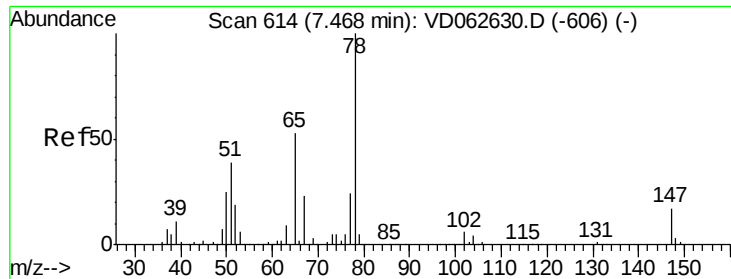
99 62.9 49.0 73.6

61 44.5 36.2 54.2



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





#33

1,2-Dichloroethane-d4

Concen: 22.245 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

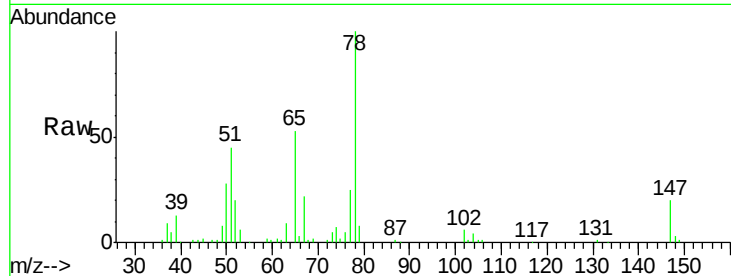
VSTDIC020

Tot Ion: 65 Resp: 181325

Ion Ratio Lower Upper

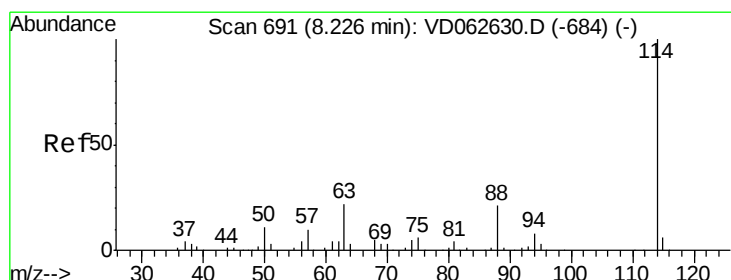
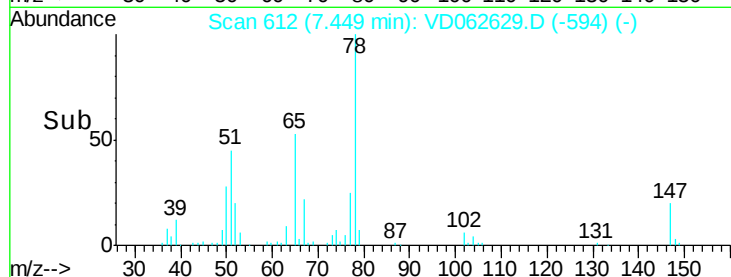
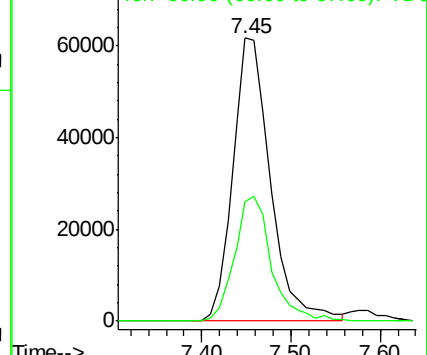
65 100

67 42.3 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

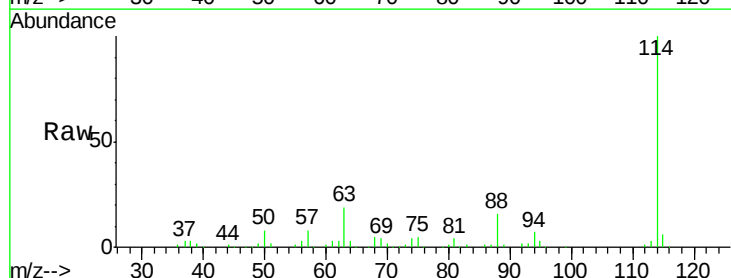
Tgt Ion: 114 Resp: 828996

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.6

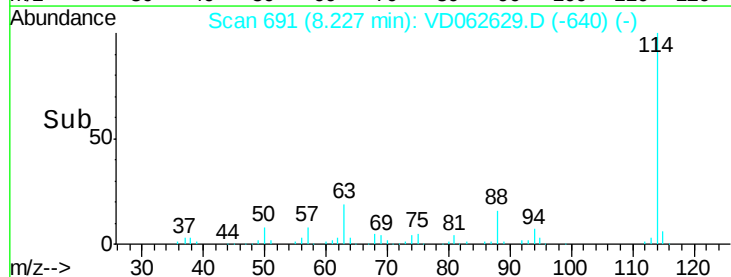
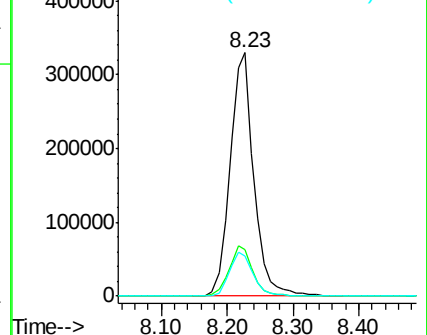
88 16.3 0.0 41.4

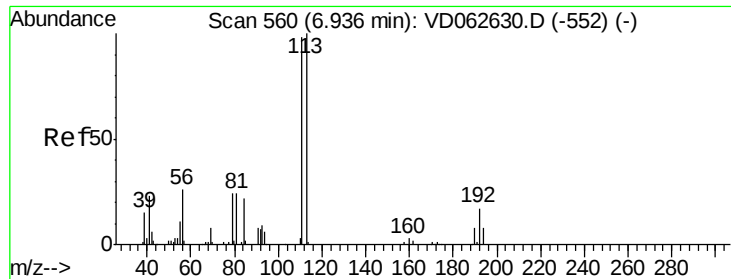


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 20.235 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

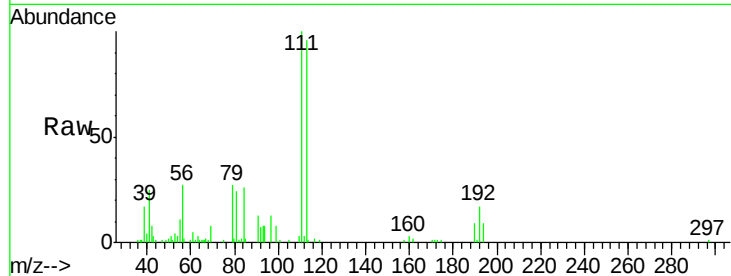
Tot Ion:113 Resp: 171160

Ion Ratio Lower Upper

113 100

111 104.2 78.5 117.7

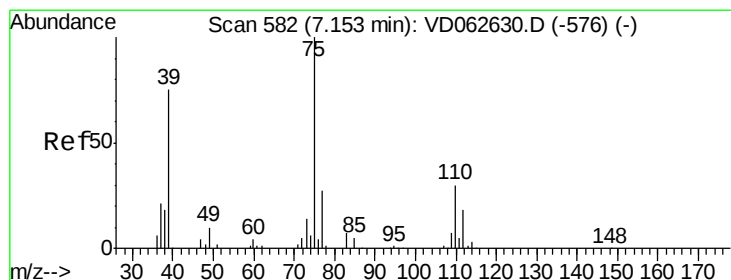
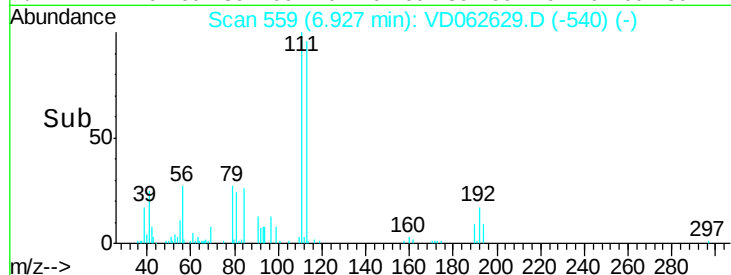
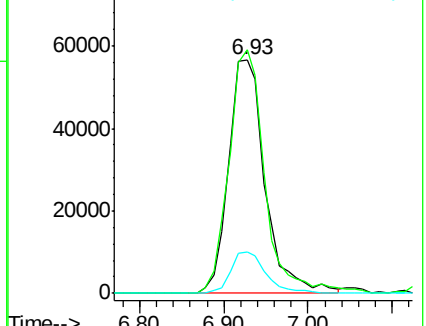
192 17.6 13.8 20.6



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: 20.491 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

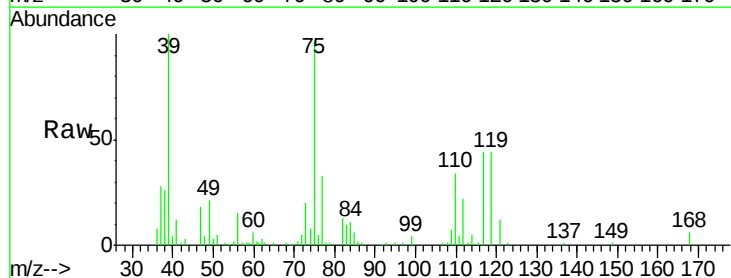
Tgt Ion: 75 Resp: 183893

Ion Ratio Lower Upper

75 100

110 35.4 14.8 44.3

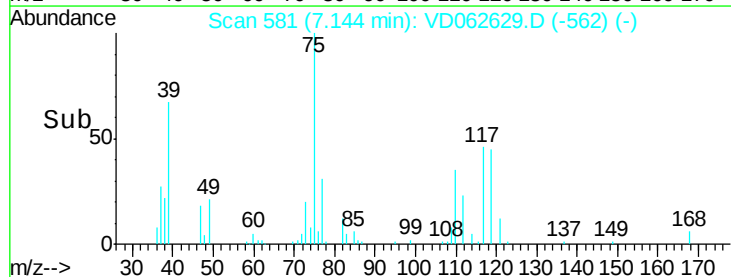
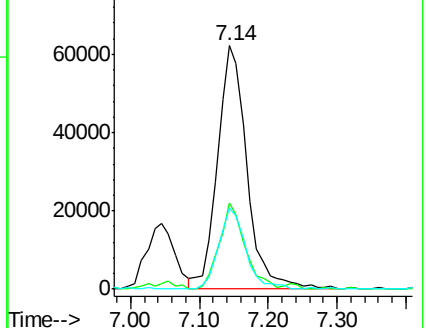
77 33.5 21.8 32.6#

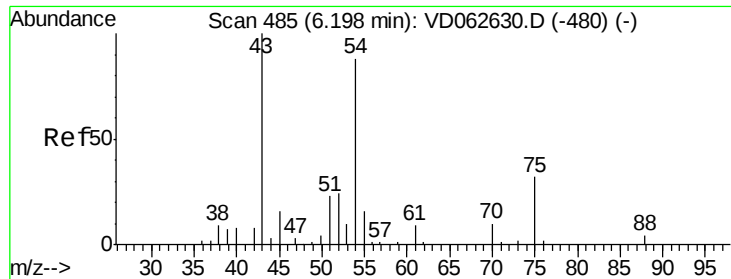


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

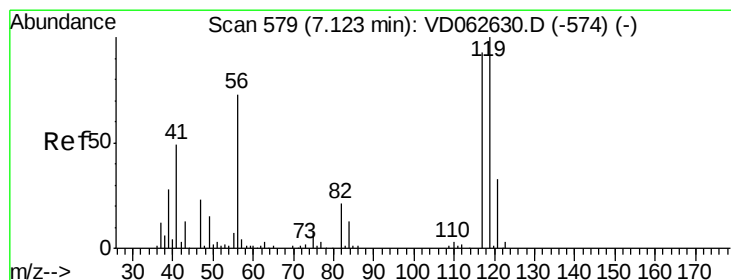
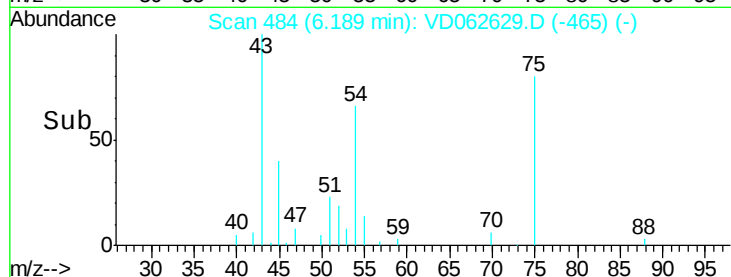
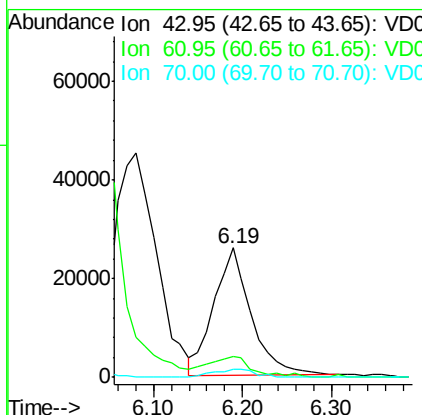
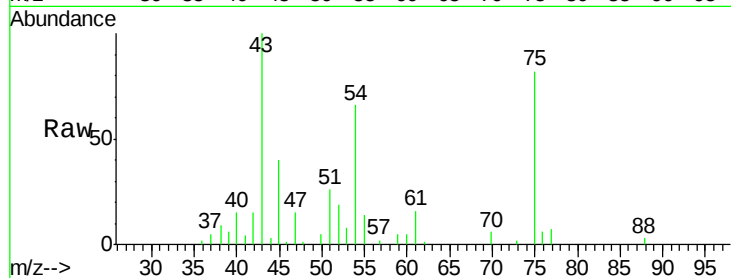




#37
Ethyl Acetate
Concen: 20.820 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

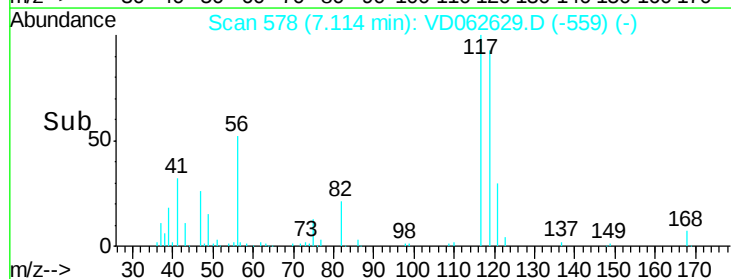
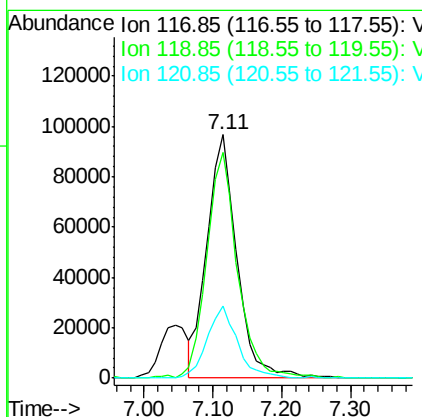
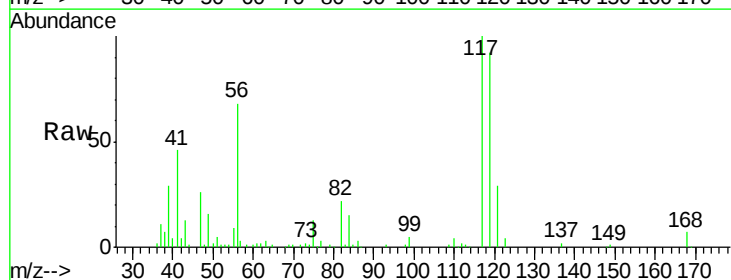
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

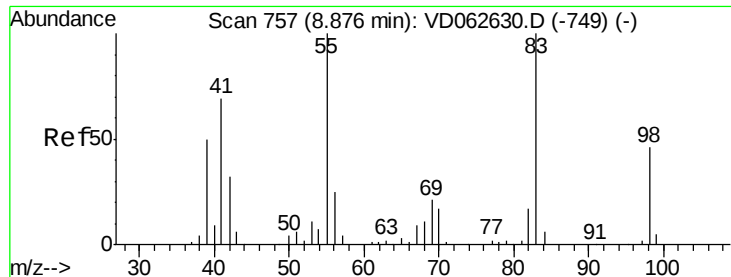
Tot Ion: 43 Resp: 74876
Ion Ratio Lower Upper
43 100
61 16.5 11.7 17.5
70 6.0 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 21.907 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 117 Resp: 292888
Ion Ratio Lower Upper
117 100
119 92.5 81.0 121.4
121 29.5 26.2 39.4

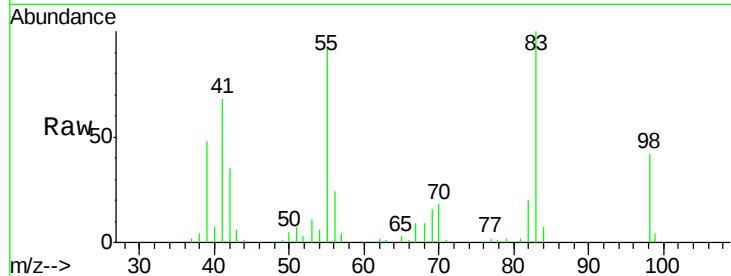




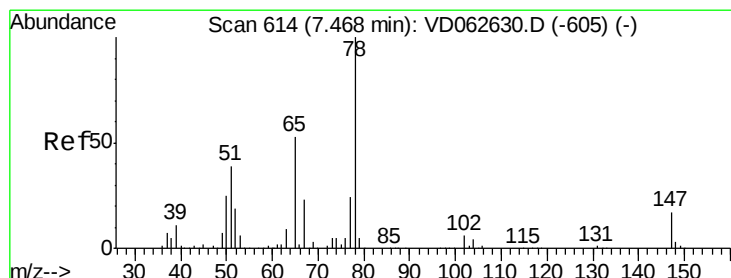
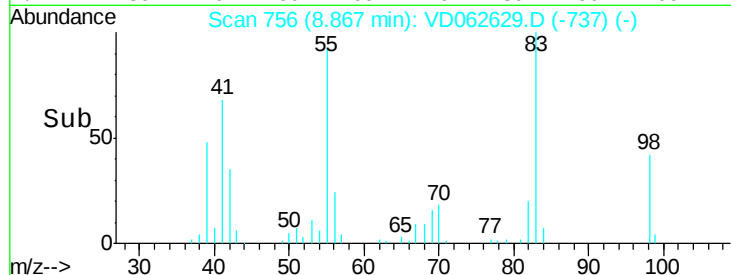
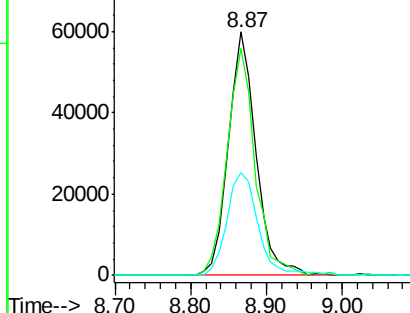
#39
Methvlcvclohexane
Concen: 20.103 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 151151
Ion Ratio Lower Upper
83 100
55 93.4 79.8 119.8
98 42.4 36.9 55.3

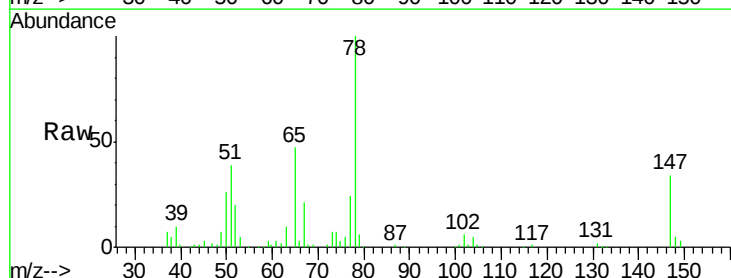


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

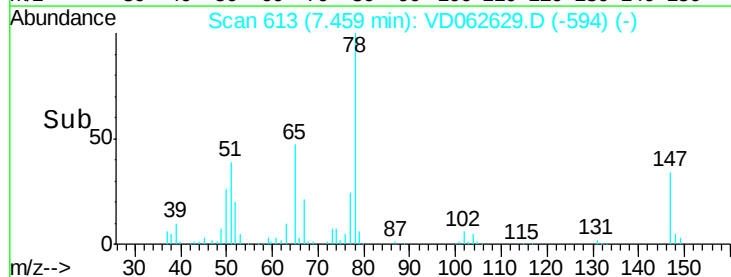
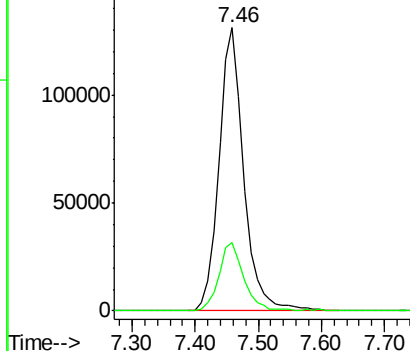


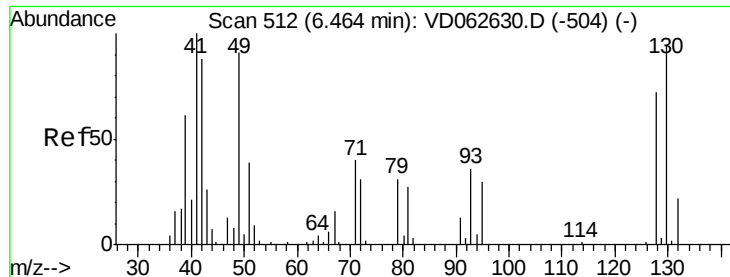
#40
Benzene
Concen: 20.627 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 78 Resp: 357398
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3



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





#41

Methacrylonitrile

Concen: 20.855 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

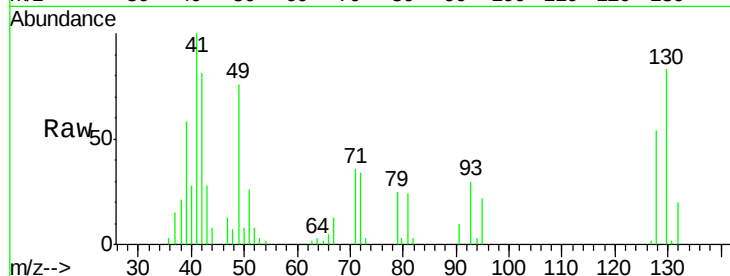
ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 96076

Ion Ratio Lower Upper

41	100		
39	58.0	48.9	73.3
67	12.5	12.6	18.8
52	8.4	7.5	11.3

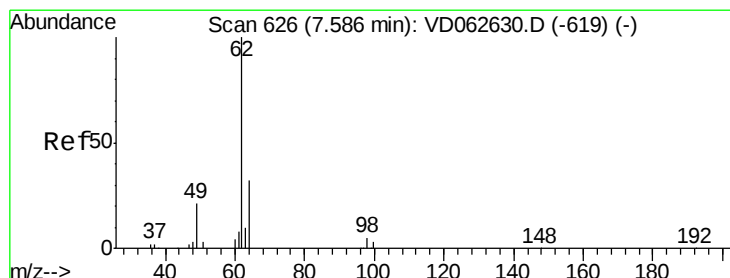
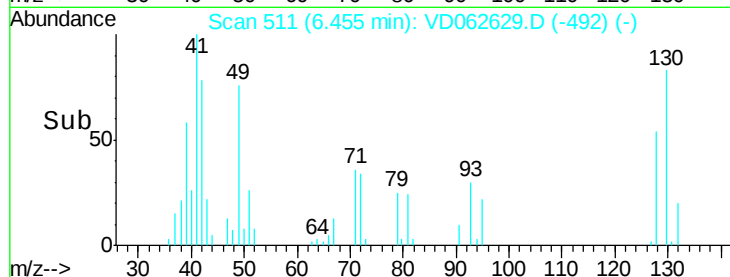
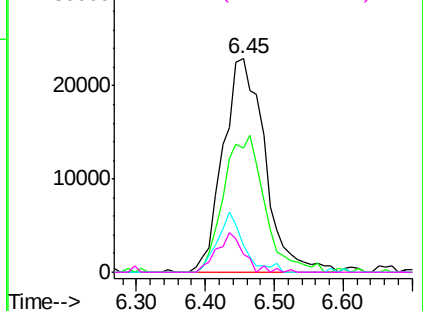


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.070 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.01 min

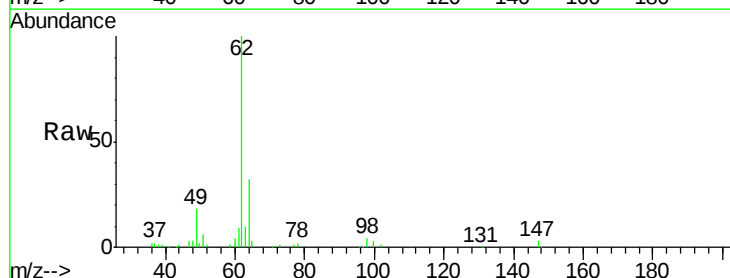
Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Tgt Ion: 62 Resp: 218073

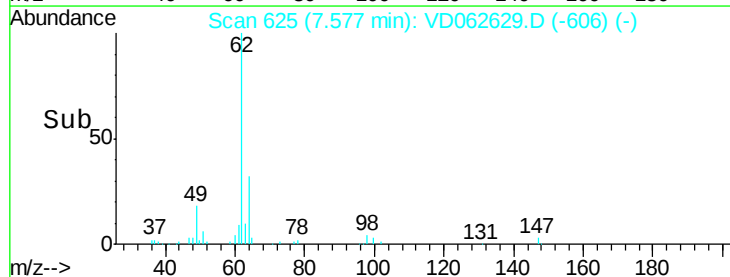
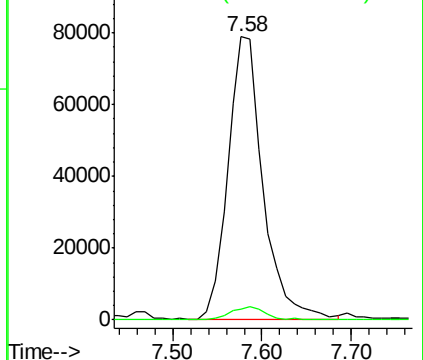
Ion Ratio Lower Upper

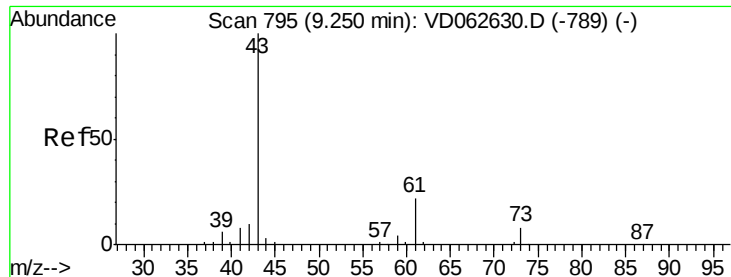
62	100		
98	3.7	0.0	9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.504 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

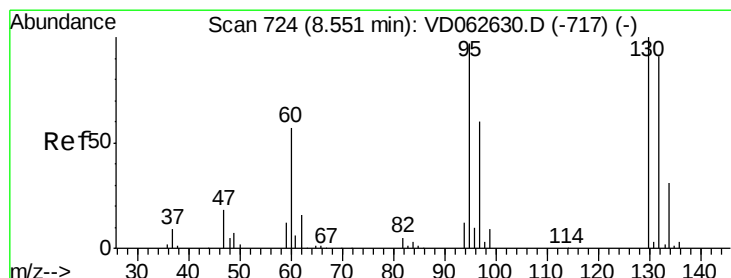
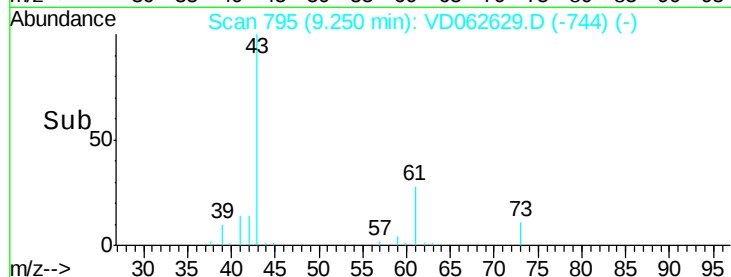
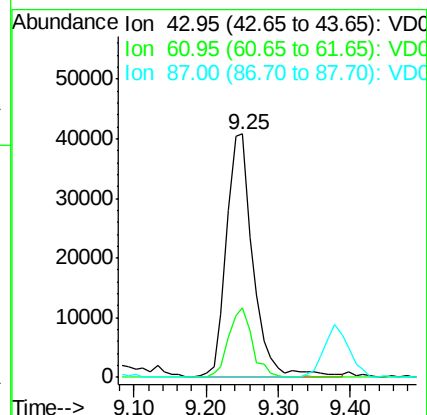
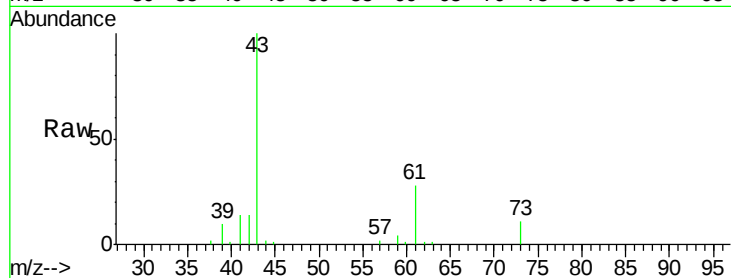
Tot Ion: 43 Resp: 105119

Ion Ratio Lower Upper

43 100

61 28.3 17.8 26.8#

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 20.895 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062629.D

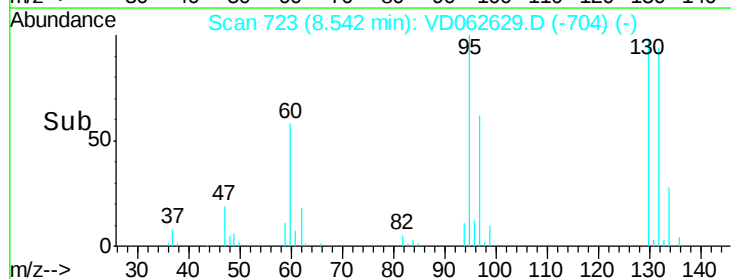
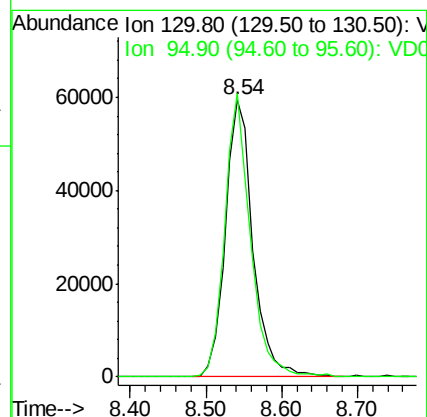
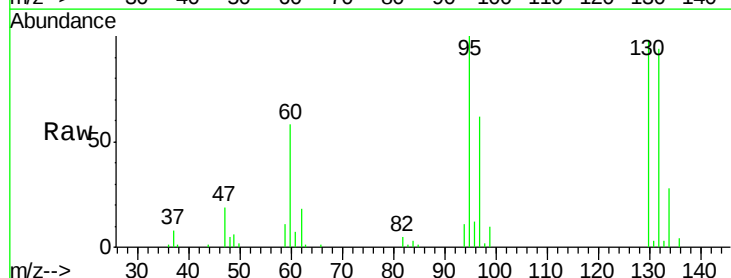
Acq: 6 Jun 2019 17:20

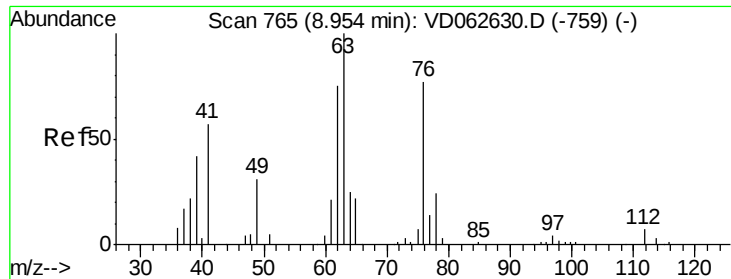
Tgt Ion:130 Resp: 149384

Ion Ratio Lower Upper

130 100

95 102.2 0.0 193.2





#45

1,2-Dichloropropane

Concen: 21.155 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

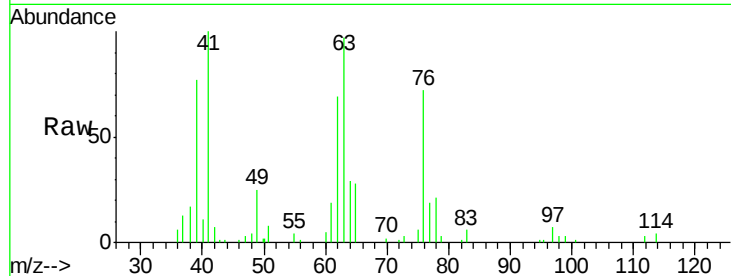
VSTDIC020

Tot Ion: 63 Resp: 91139

Ion Ratio Lower Upper

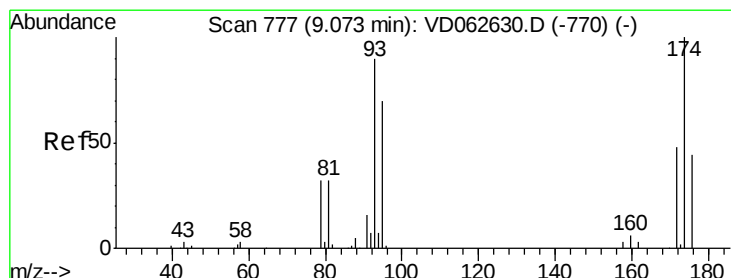
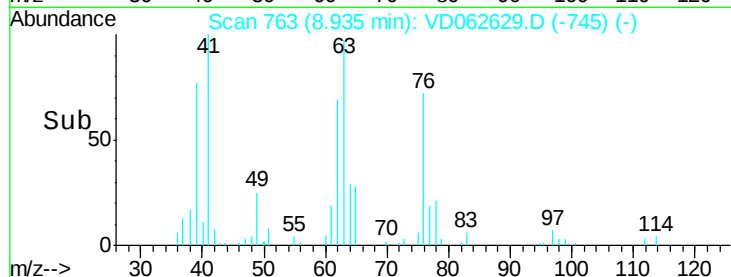
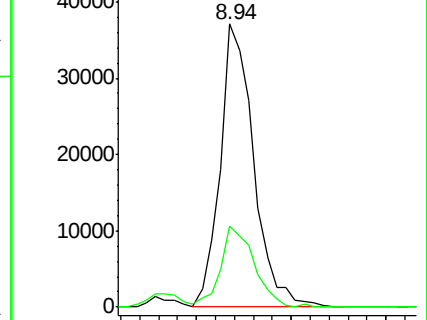
63 100

65 28.5 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.624 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

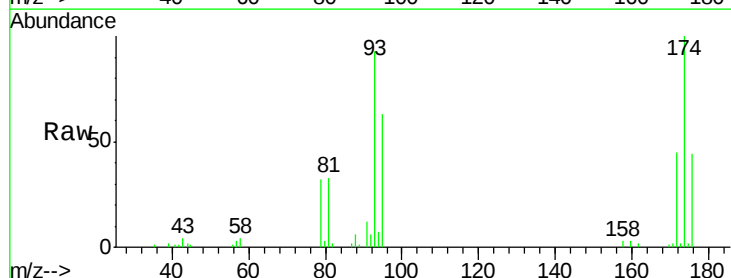
Tgt Ion: 93 Resp: 82634

Ion Ratio Lower Upper

93 100

95 68.1 62.8 94.2

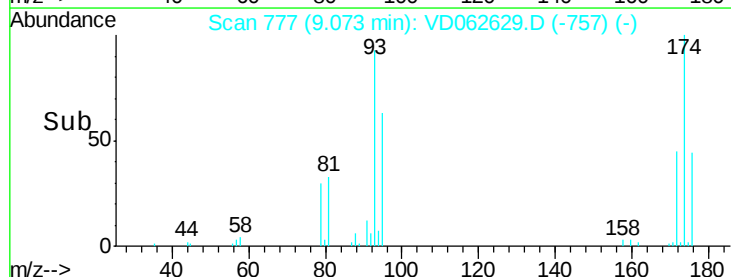
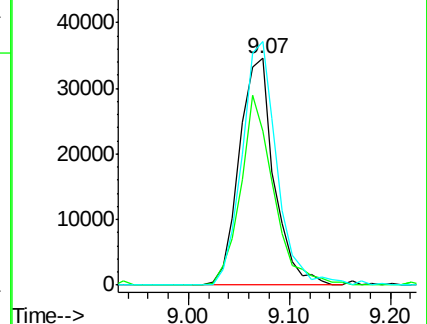
174 107.5 89.1 133.7

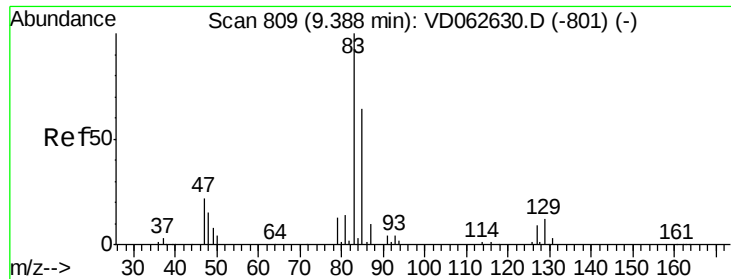


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.199 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

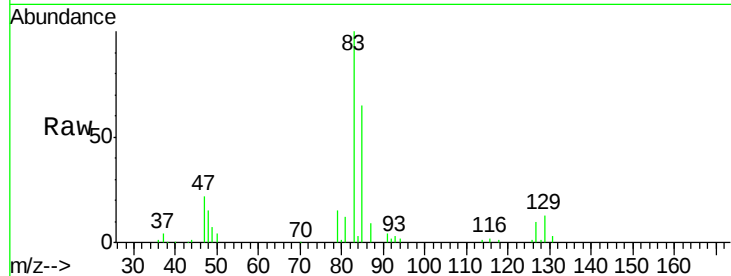
Tot Ion: 83 Resp: 217130

Ion Ratio Lower Upper

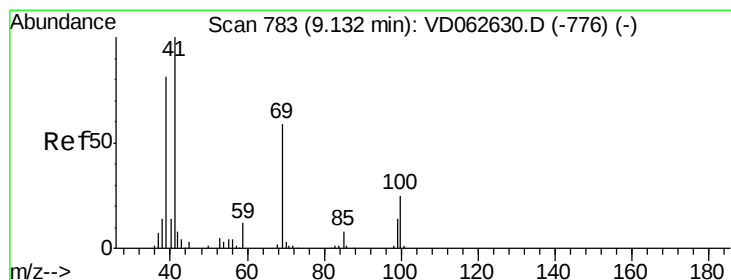
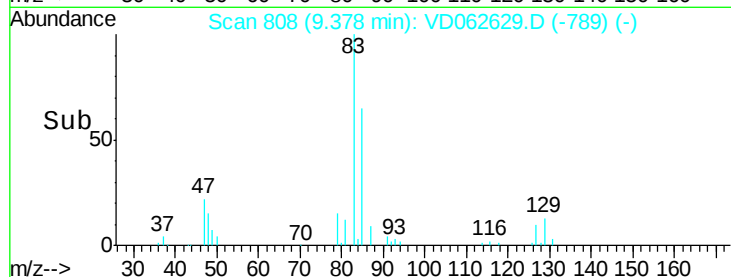
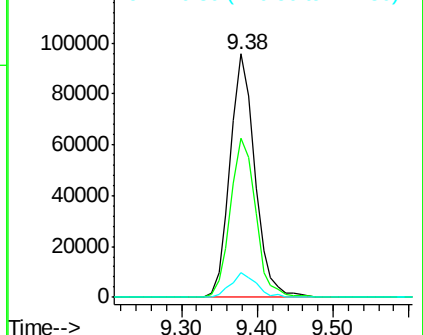
83 100

85 65.3 50.9 76.3

127 10.4 7.4 11.2



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



#48

Methyl methacrylate

Concen: 20.287 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

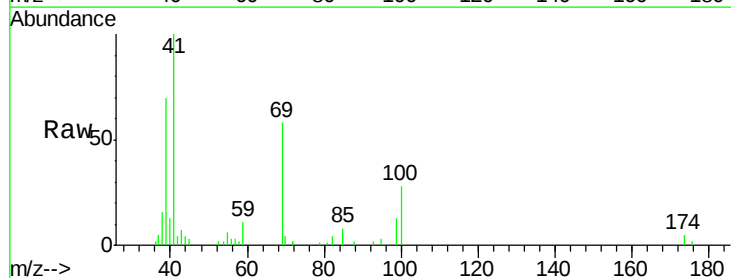
Tgt Ion: 41 Resp: 66925

Ion Ratio Lower Upper

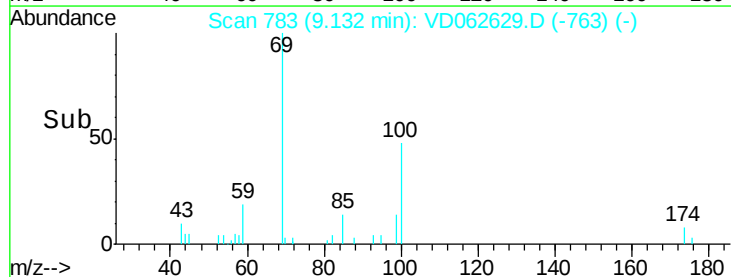
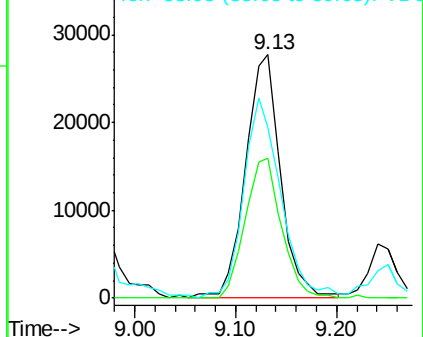
41 100

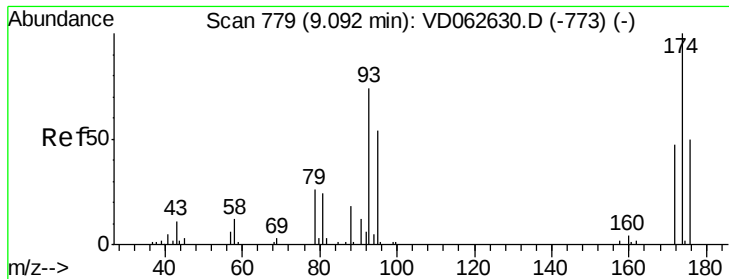
69 57.5 47.0 70.6

39 69.9 65.8 98.6



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

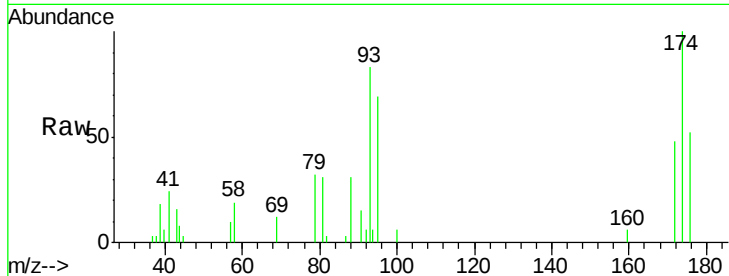




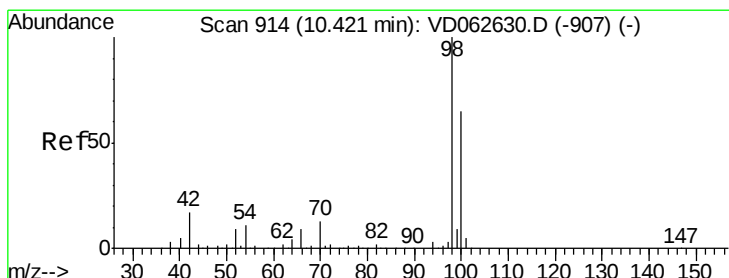
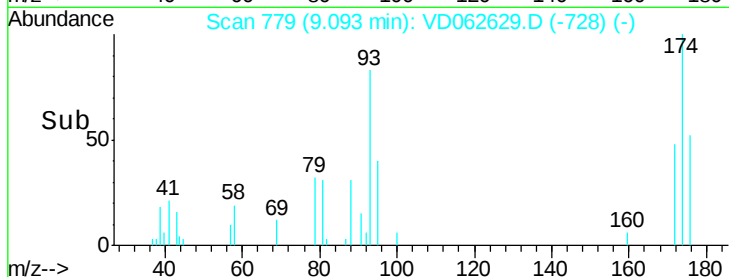
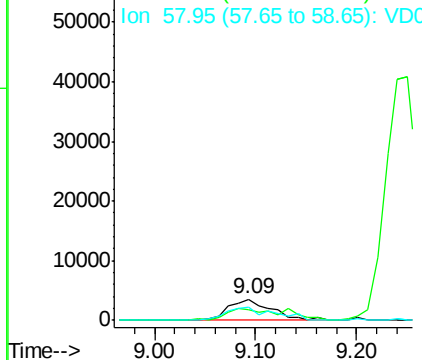
#49
1,4-Dioxane
Concen: 396.031 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 10468
Ion Ratio Lower Upper
88 100
43 52.6 50.2 75.2
58 60.2 56.2 84.4

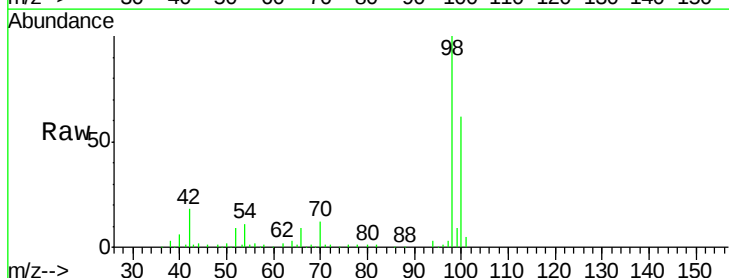


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

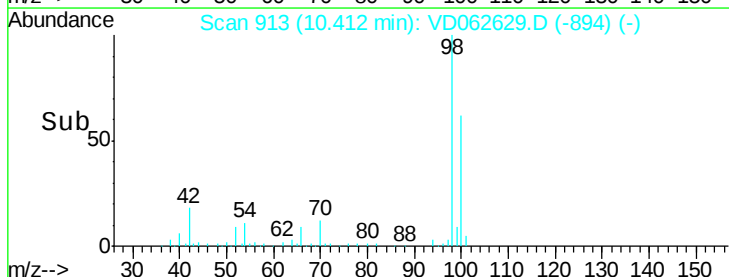
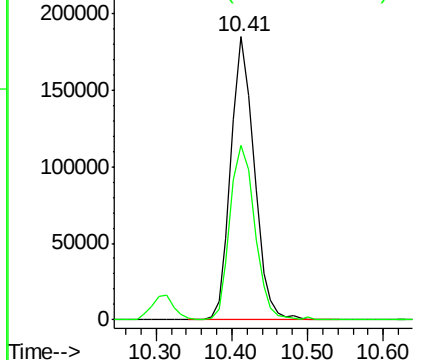


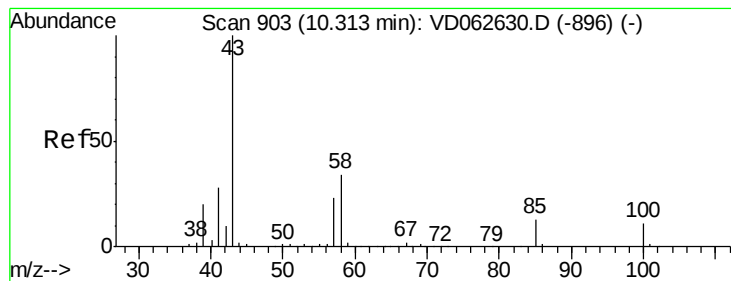
#50
Toluene-d8
Concen: 21.496 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 98 Resp: 396168
Ion Ratio Lower Upper
98 100
100 61.8 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: 109.132 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

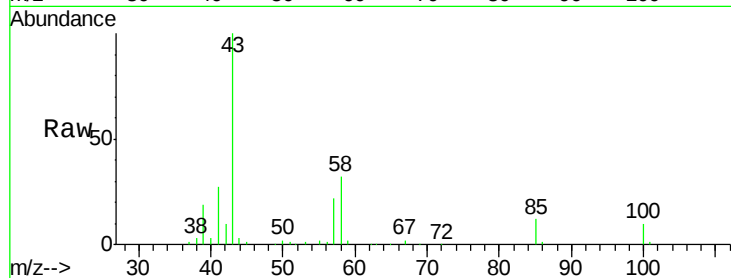
VSTDIC020

Tot Ion: 43 Resp: 352253

Ion Ratio Lower Upper

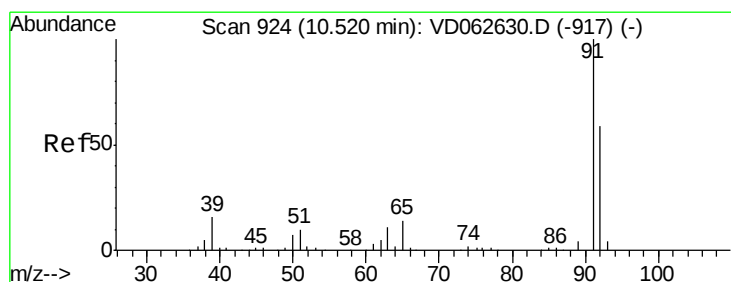
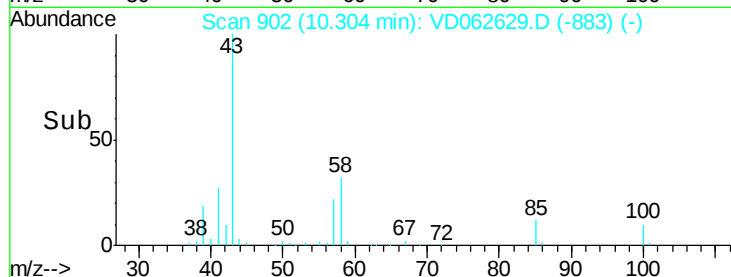
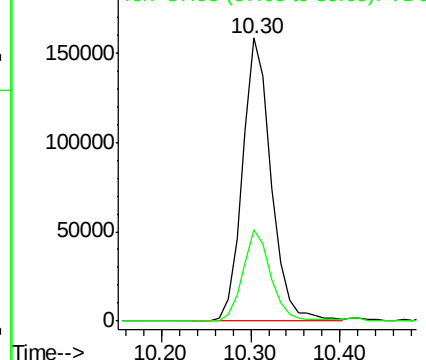
43 100

58 32.3 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.835 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062629.D

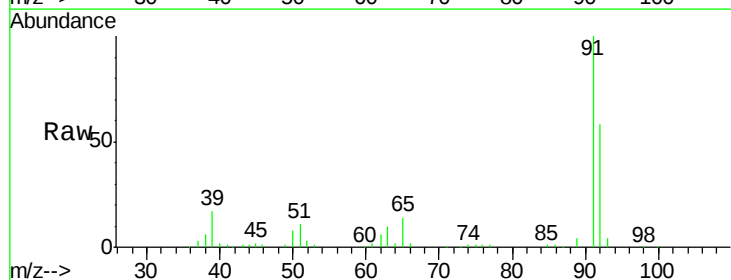
Acq: 6 Jun 2019 17:20

Tgt Ion: 92 Resp: 243588

Ion Ratio Lower Upper

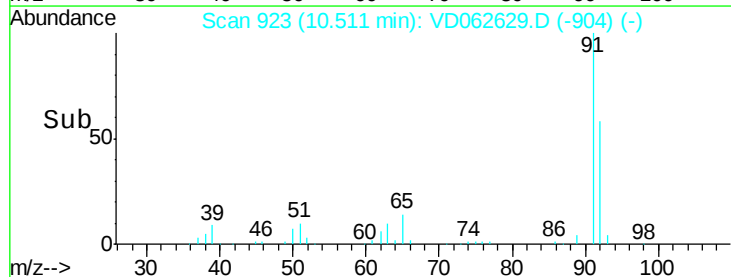
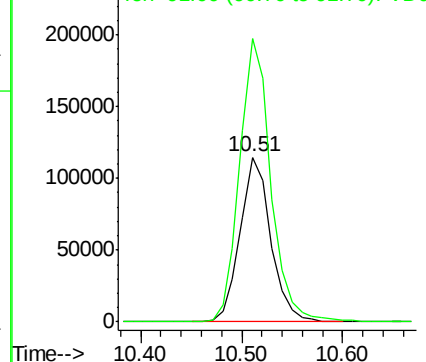
92 100

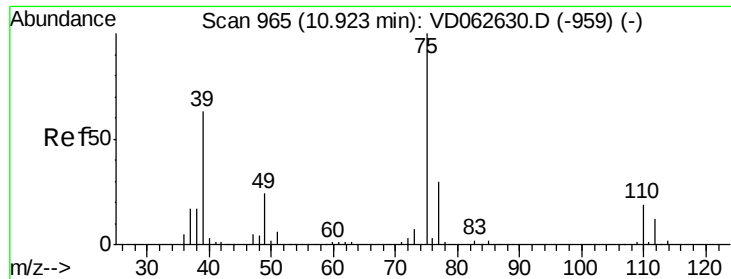
91 172.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.561 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

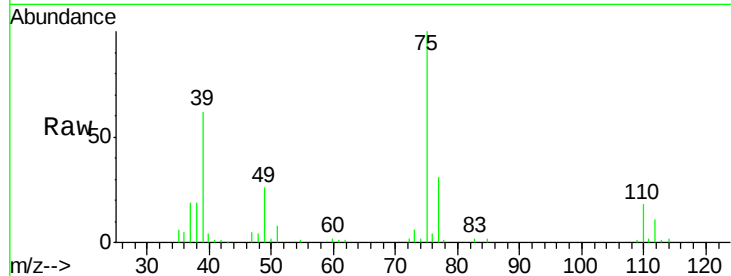
VSTDIC020

Tot Ion: 75 Resp: 176444

Ion Ratio Lower Upper

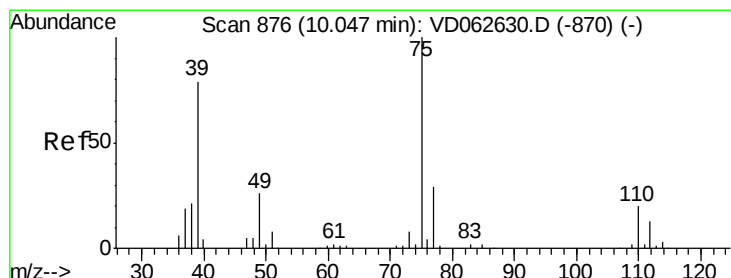
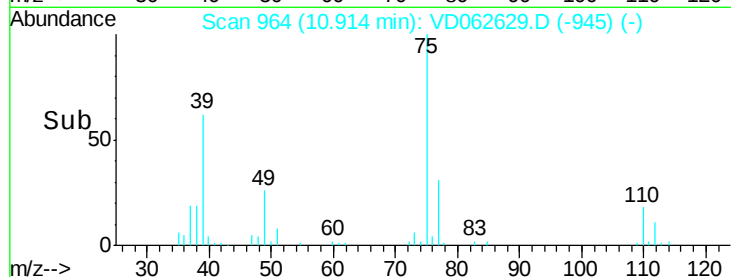
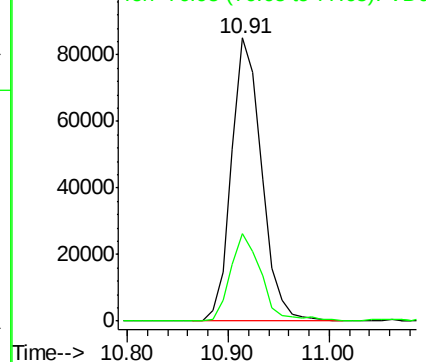
75 100

77 30.8 23.7 35.5



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: 22.044 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

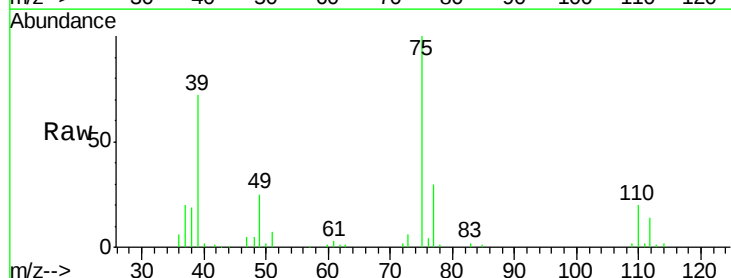
Tgt Ion: 75 Resp: 191470

Ion Ratio Lower Upper

75 100

77 29.8 23.4 35.2

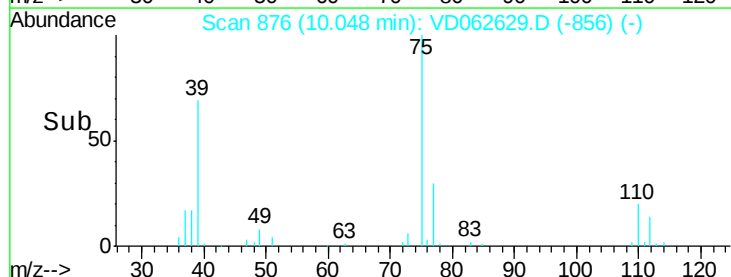
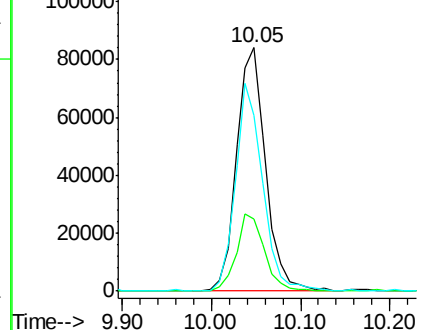
39 72.3 63.0 94.4

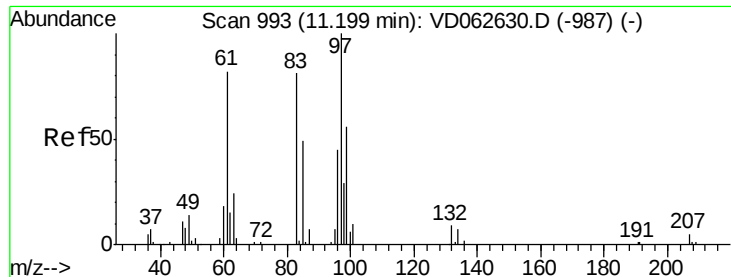


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

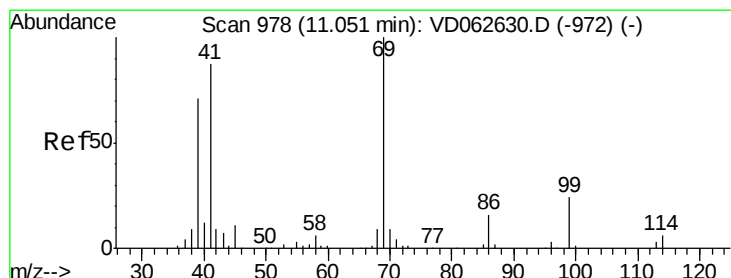
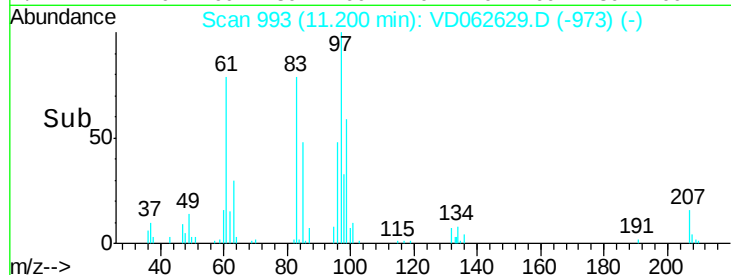
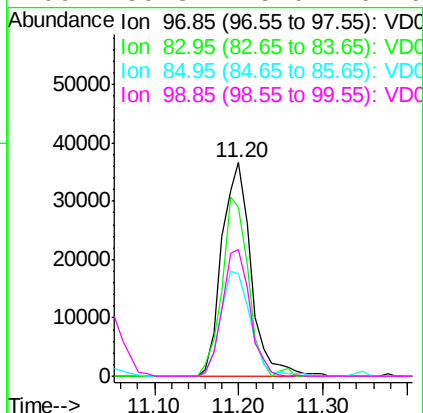
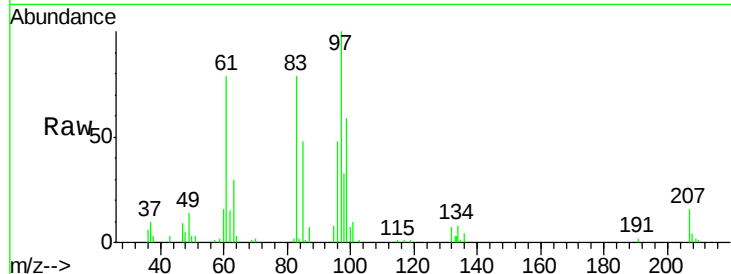




#55
 1,1,2-Trichloroethane
 Concen: 22.213 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

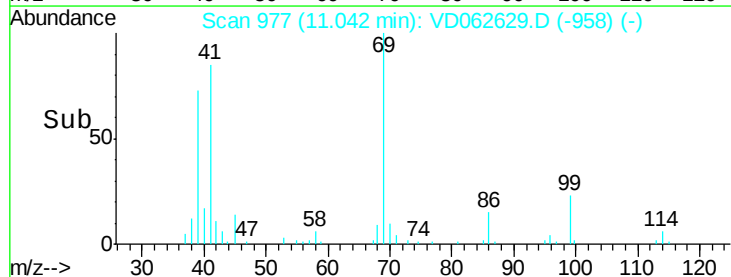
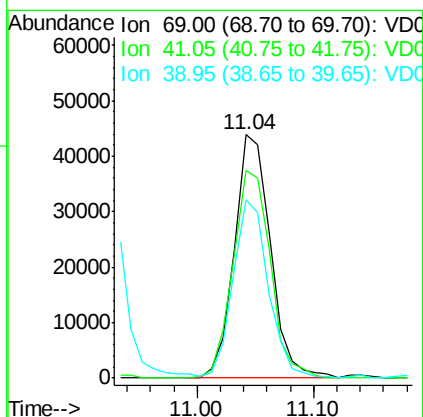
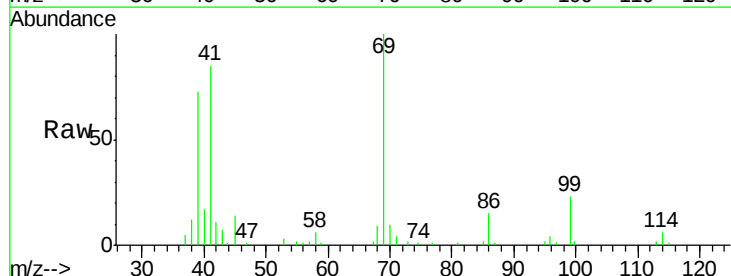
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

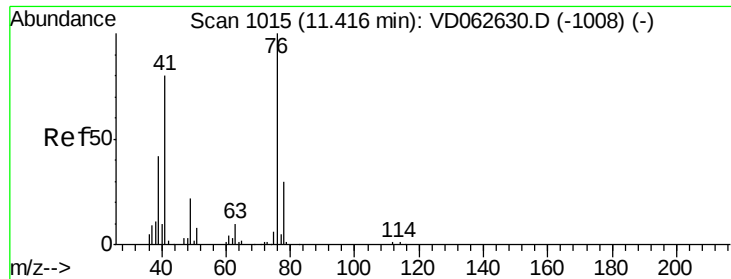
Tot Ion:	97	Resp:	88582
Ion	Ratio	Lower	Upper
97	100		
83	79.1	64.7	97.1
85	47.7	39.3	58.9
99	59.3	45.0	67.6



#56
 Ethyl methacrylate
 Concen: 21.925 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Tgt Ion:	69	Resp:	94497
Ion	Ratio	Lower	Upper
69	100		
41	85.4	69.8	104.8
39	73.2	57.6	86.4

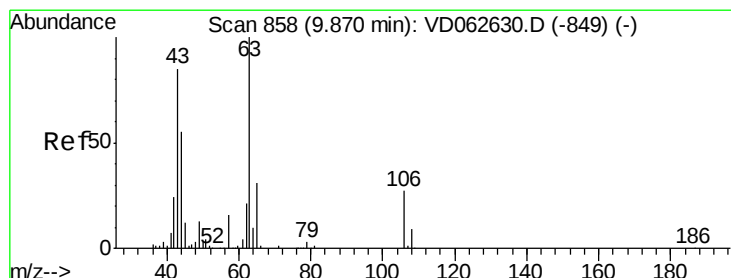
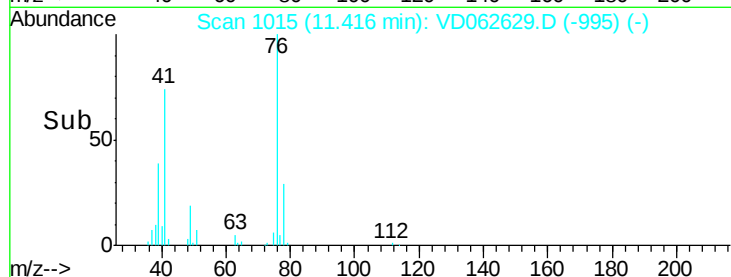
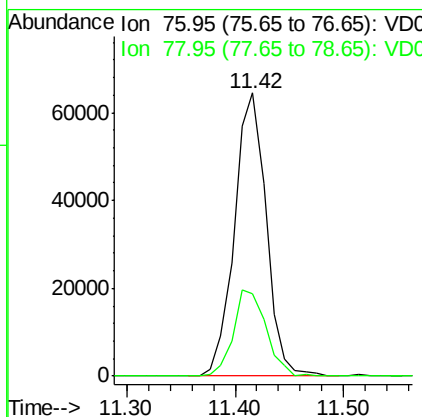
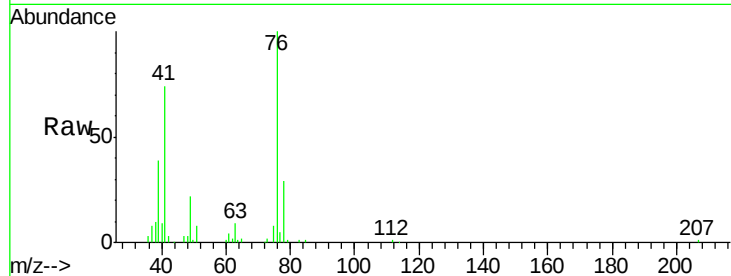




#57
 1,3-Dichloropropane
 Concen: 21.432 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

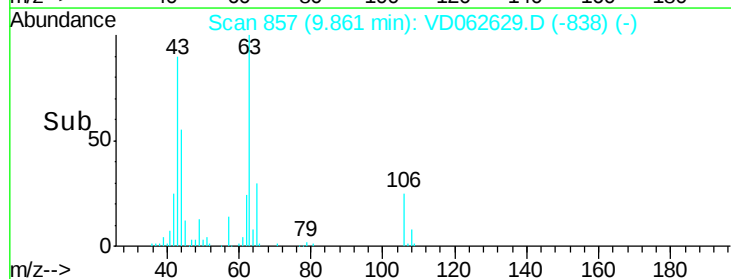
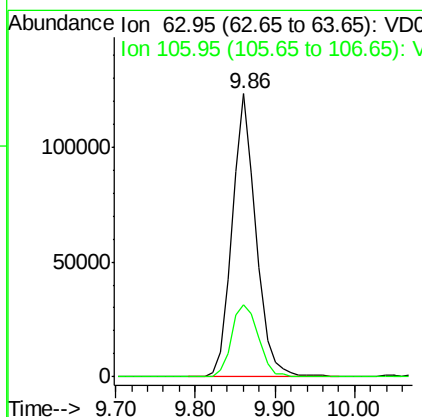
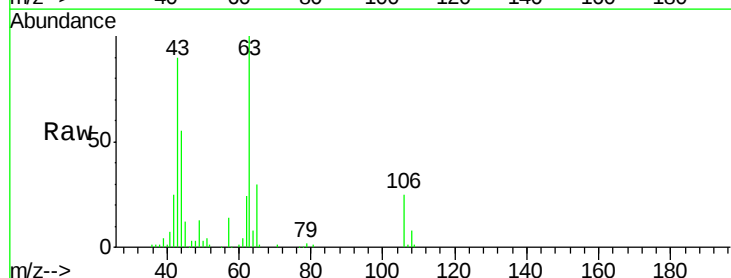
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

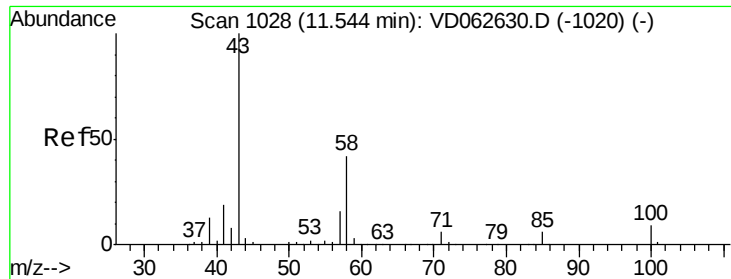
Tot Ion: 76 Resp: 131595
 Ion Ratio Lower Upper
 76 100
 78 29.3 23.8 35.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.126 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Tgt Ion: 63 Resp: 256279
 Ion Ratio Lower Upper
 63 100
 106 25.5 21.8 32.8

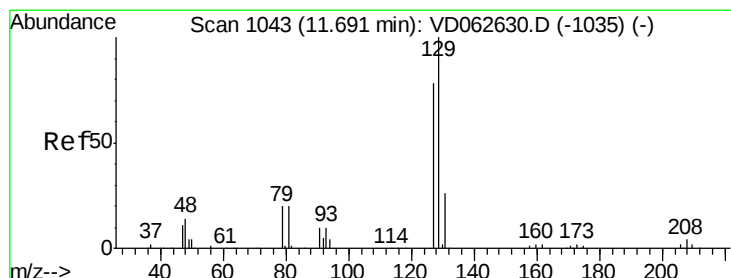
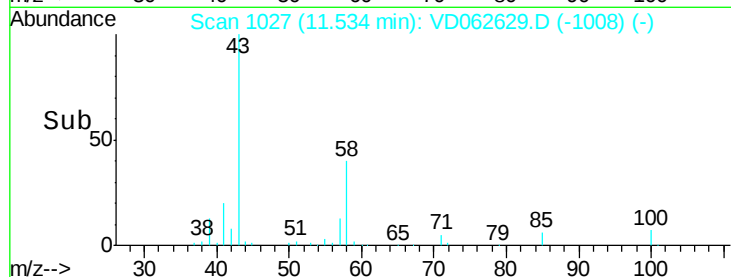
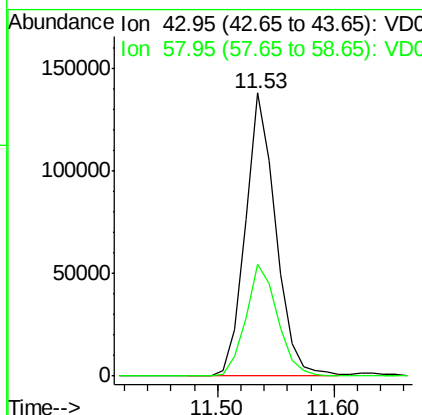
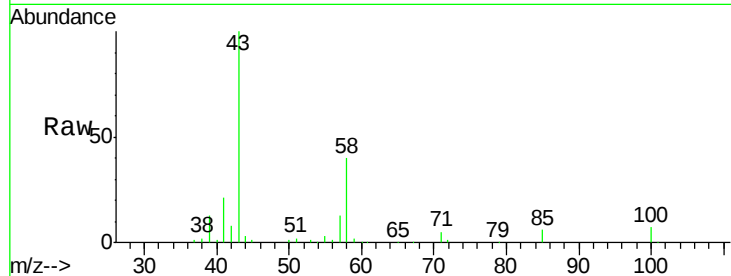




#59
2-Hexanone
Concen: 102.311 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

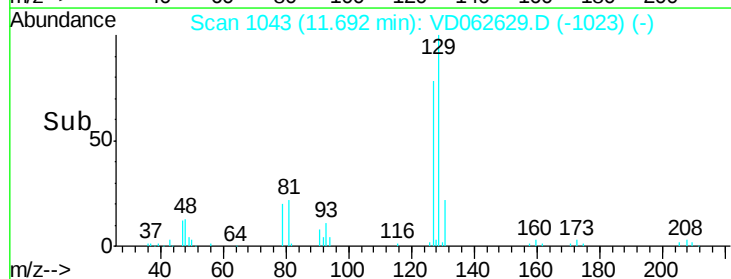
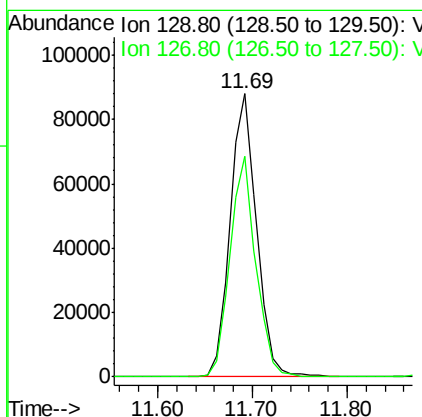
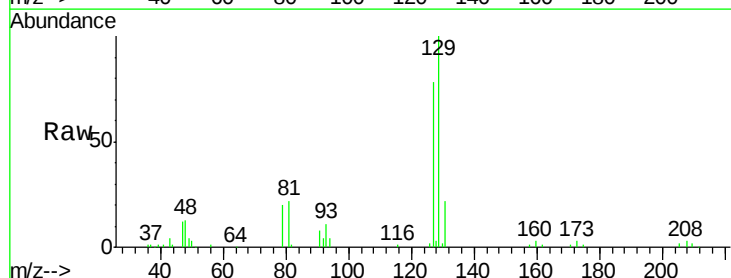
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

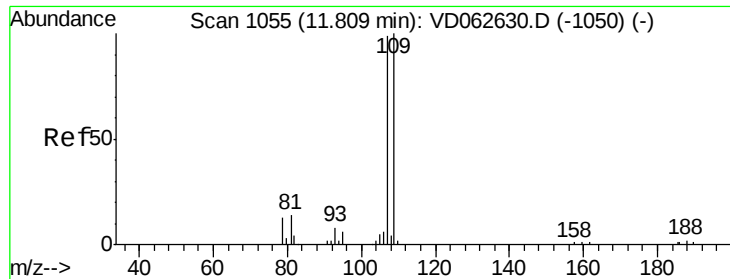
Tot Ion: 43 Resp: 249027
Ion Ratio Lower Upper
43 100
58 39.7 20.8 62.4



#60
Dibromochloromethane
Concen: 21.695 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 129 Resp: 169045
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6

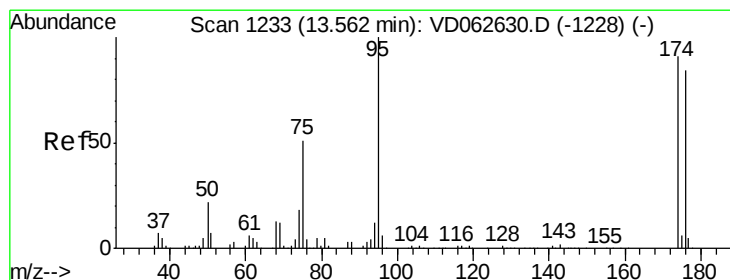
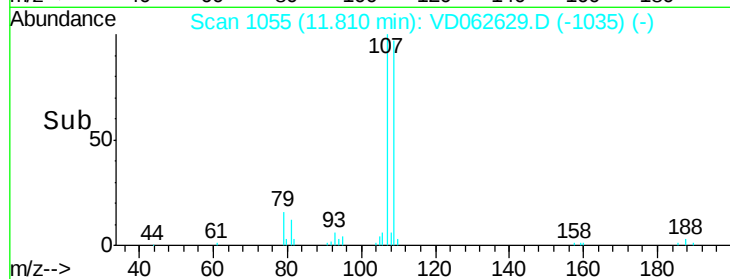
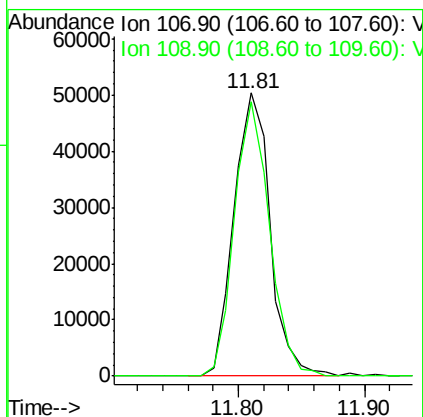
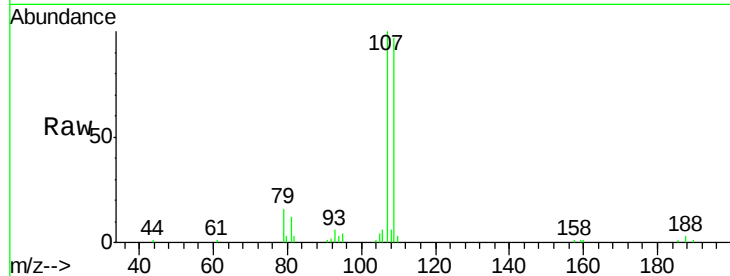




#61
 1,2-Dibromoethane
 Concen: 20.498 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

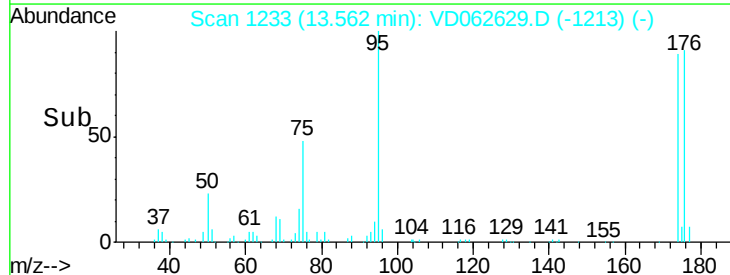
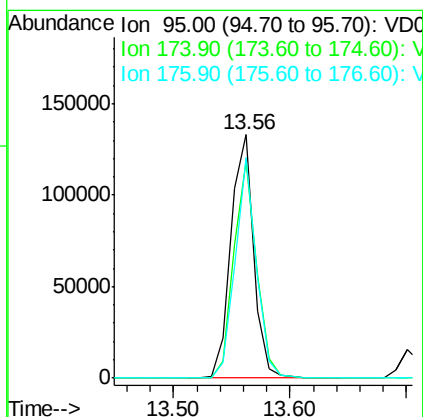
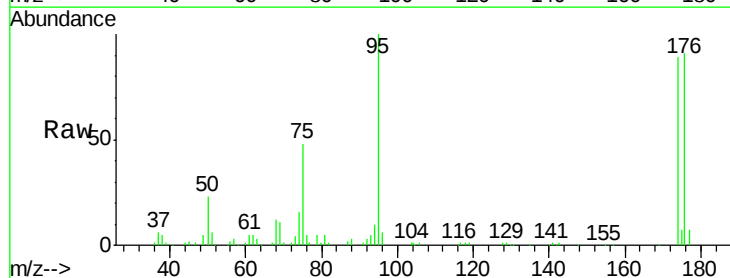
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

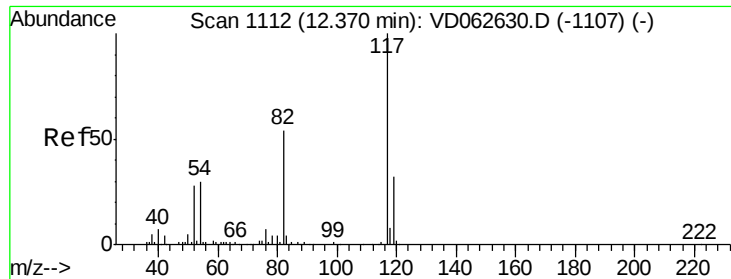
Tot Ion:107 Resp: 99761
 Ion Ratio Lower Upper
 107 100
 109 97.2 80.9 121.3



#62
 4-Bromofluorobenzene
 Concen: 20.923 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Tgt Ion: 95 Resp: 179536
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 181.6
 176 90.7 0.0 168.6

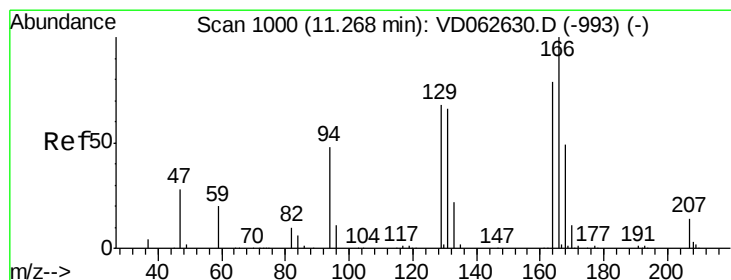
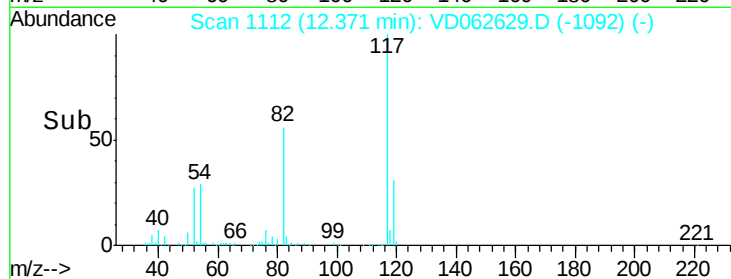
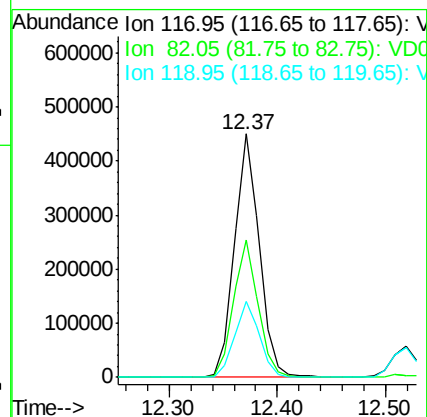
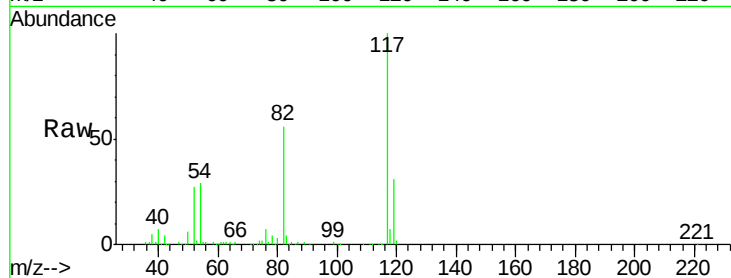




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

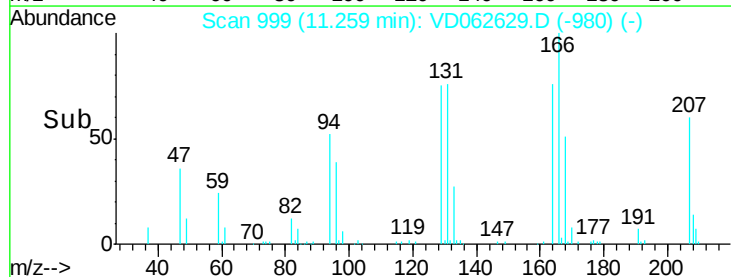
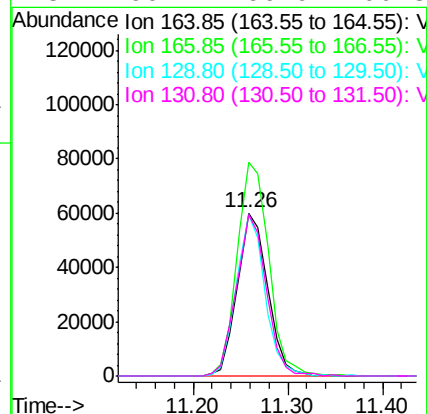
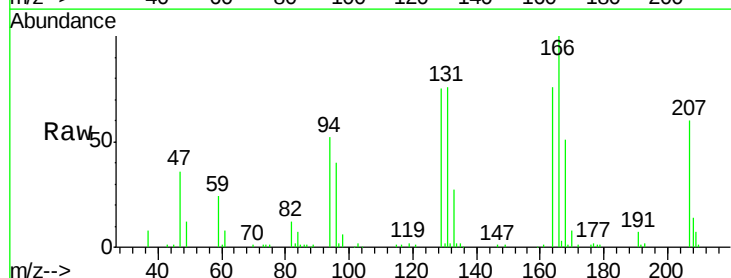
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

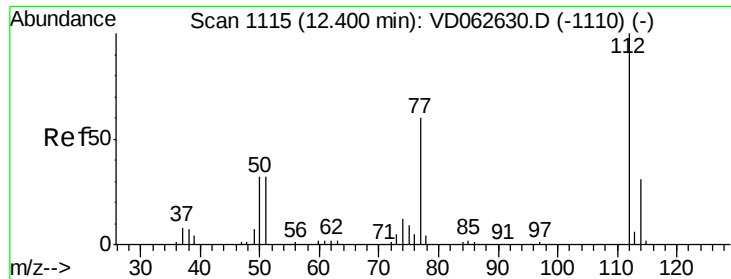
Tot Ion:117 Resp: 718917
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.6
119 31.1 25.9 38.9



#64
Tetrachloroethene
Concen: 20.785 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion:164 Resp: 133301
Ion Ratio Lower Upper
164 100
166 131.0 101.0 151.6
129 98.9 68.2 102.4
131 99.2 66.9 100.3

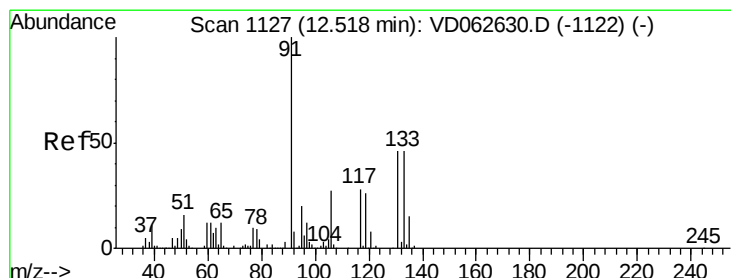
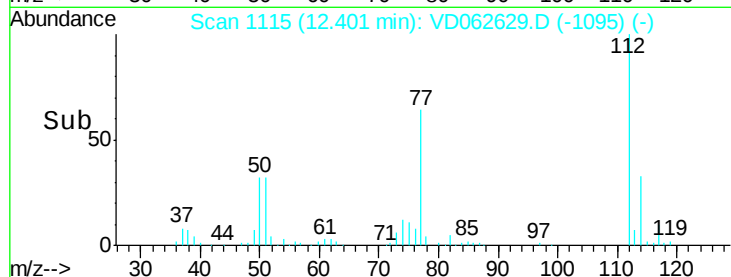
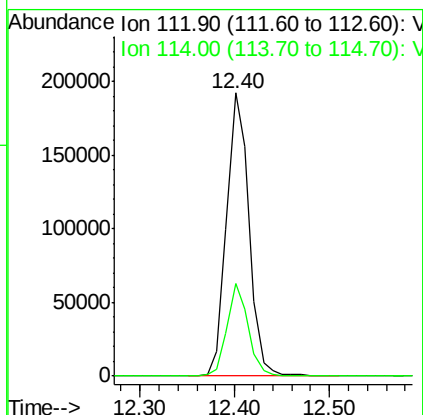
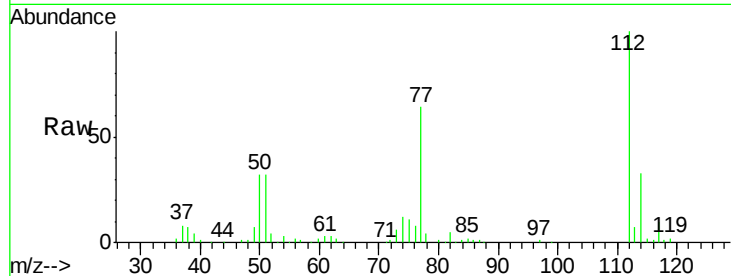




#65
Chlorobenzene
Concen: 21.361 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

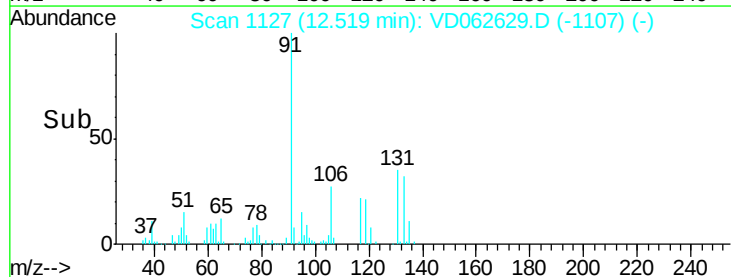
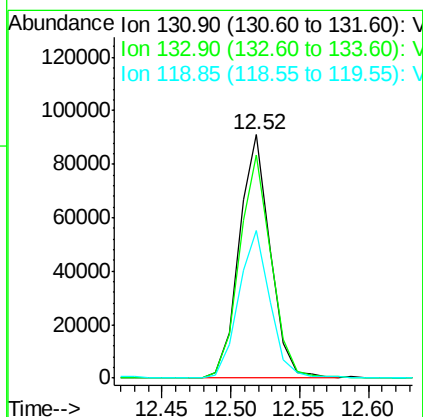
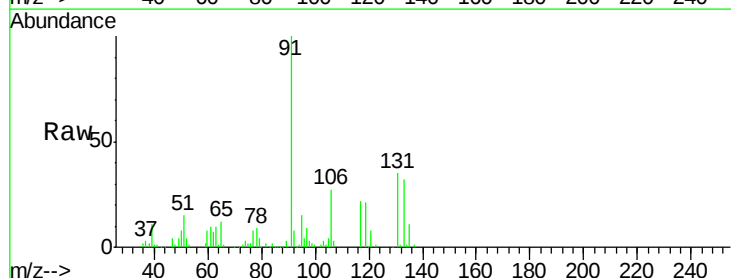
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

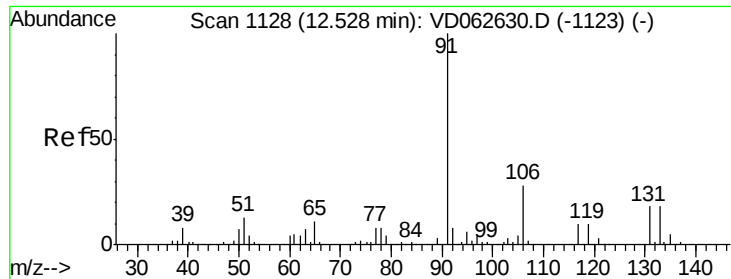
Tot Ion:112 Resp: 315463
Ion Ratio Lower Upper
112 100
114 32.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion:131 Resp: 142929
Ion Ratio Lower Upper
131 100
133 91.5 49.9 149.7
119 60.5 28.0 84.0

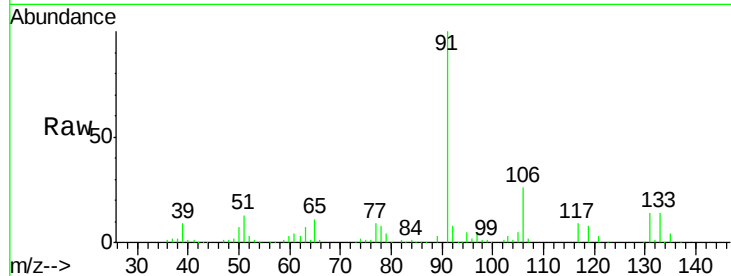




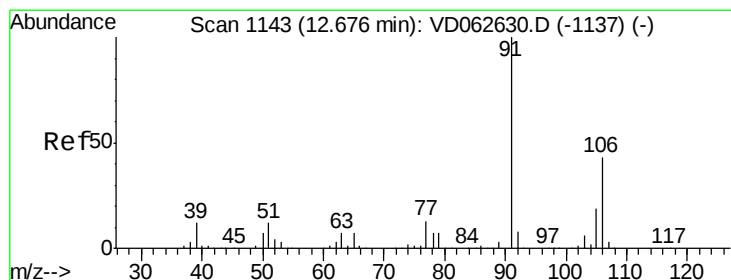
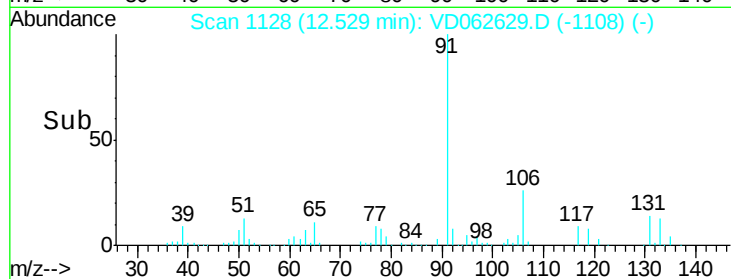
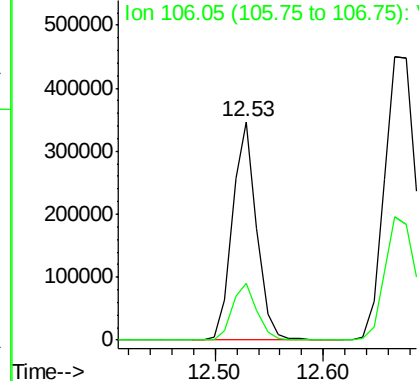
#67
Ethyl Benzene
Concen: 20.001 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 537696
Ion Ratio Lower Upper
91 100
106 26.2 22.2 33.2

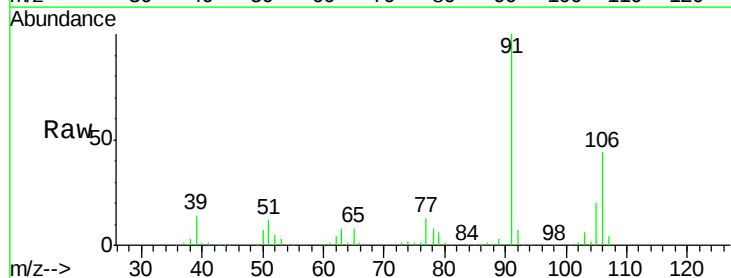


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

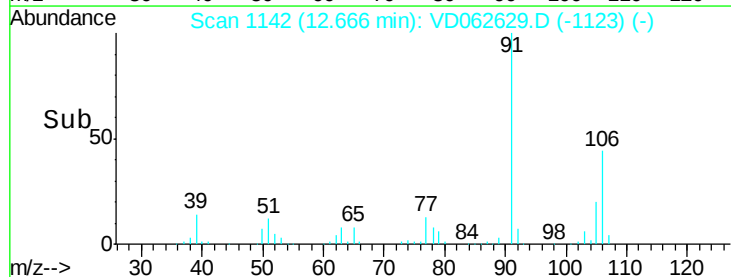
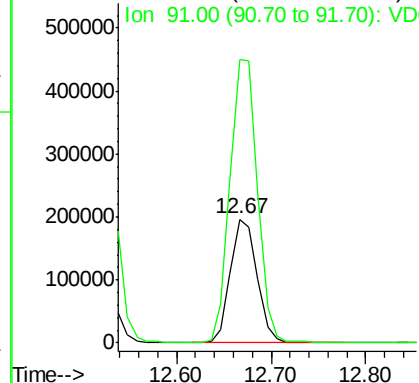


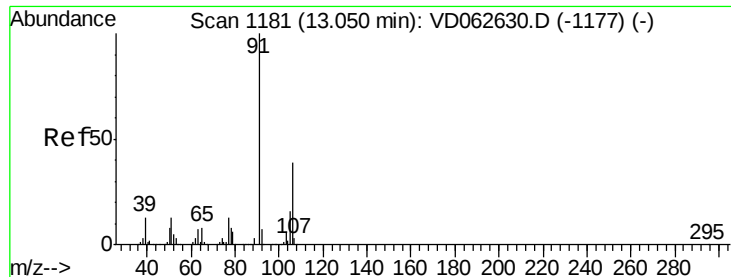
#68
m/p-Xylenes
Concen: 41.133 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 106 Resp: 383648
Ion Ratio Lower Upper
106 100
91 228.3 184.7 277.1



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

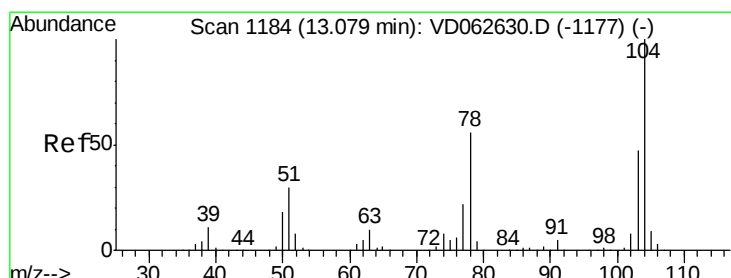
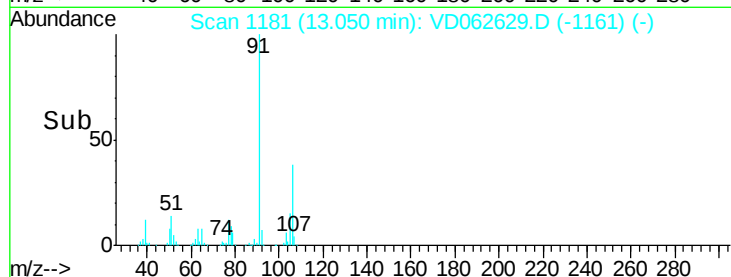
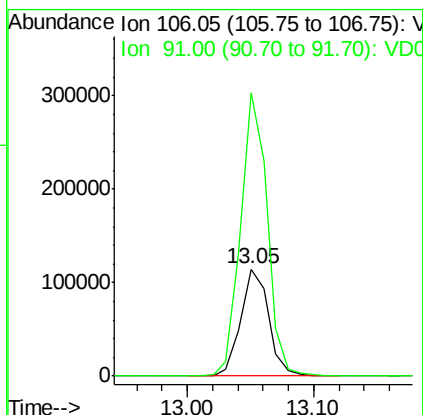
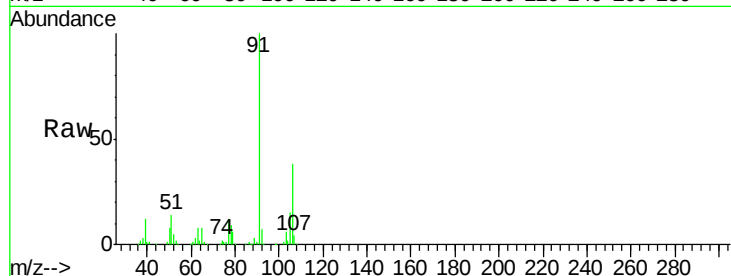




#69
o-Xylene
Concen: 19.506 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

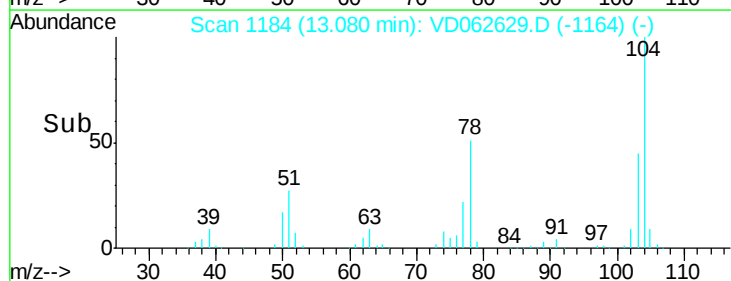
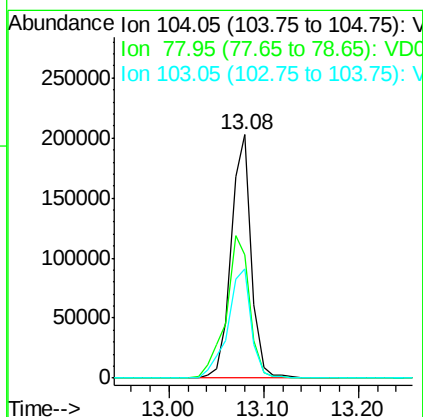
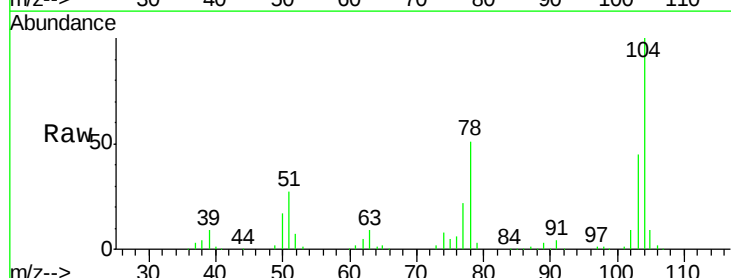
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

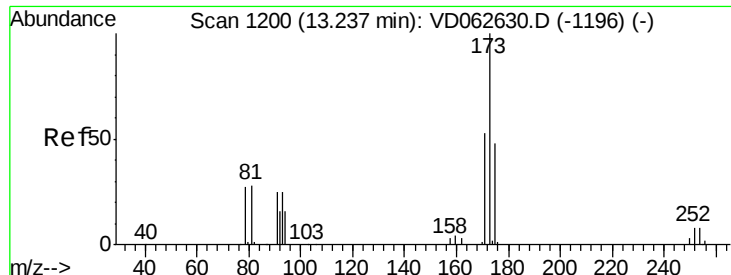
Tot Ion:106 Resp: 174432
Ion Ratio Lower Upper
106 100
91 264.7 127.0 380.9



#70
Styrene
Concen: 19.768 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion:104 Resp: 298046
Ion Ratio Lower Upper
104 100
78 50.7 44.4 66.6
103 44.7 37.4 56.0





#71

Bromoform

Concen: 22.510 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

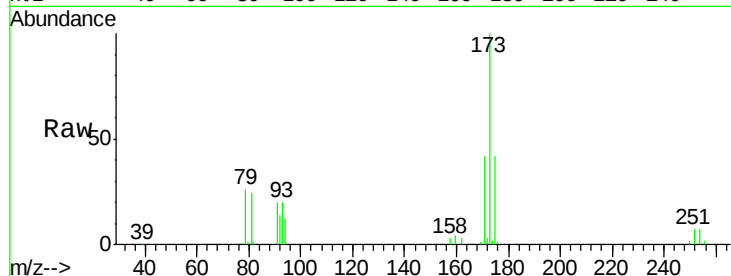
Tot Ion:173 Resp: 109554

Ion Ratio Lower Upper

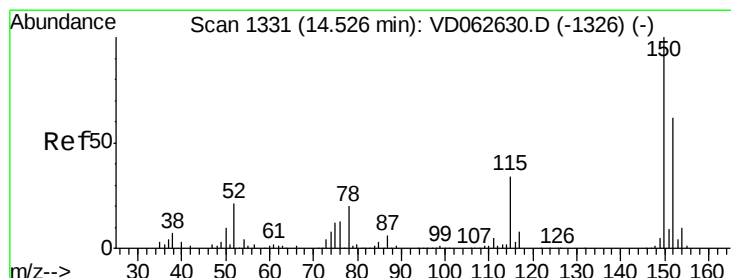
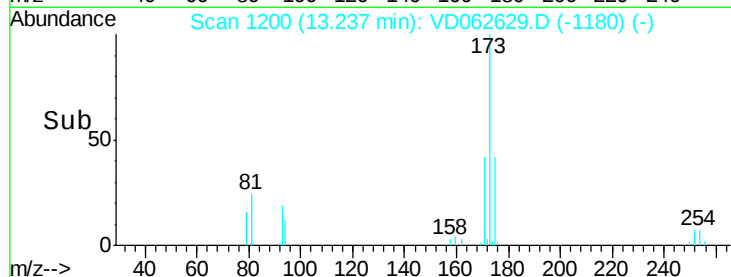
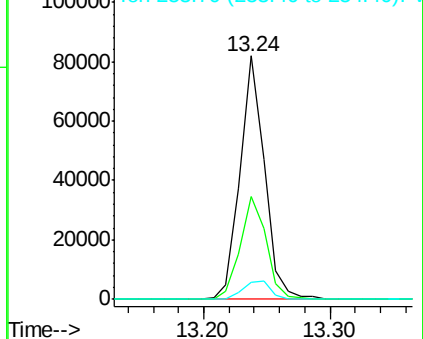
173 100

175 42.4 23.9 71.8

254 6.8 6.2 9.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

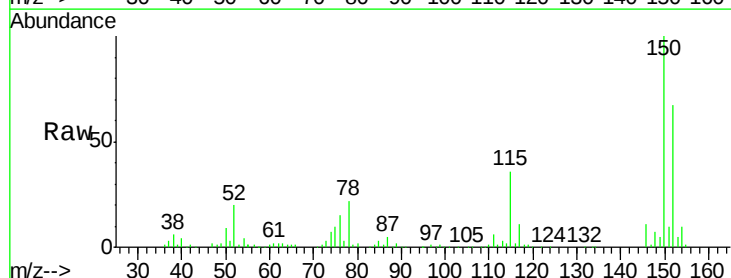
Tgt Ion:152 Resp: 383860

Ion Ratio Lower Upper

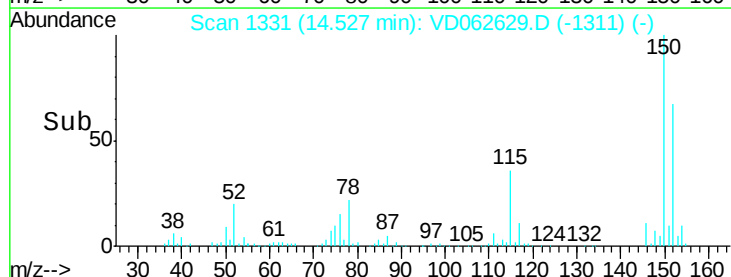
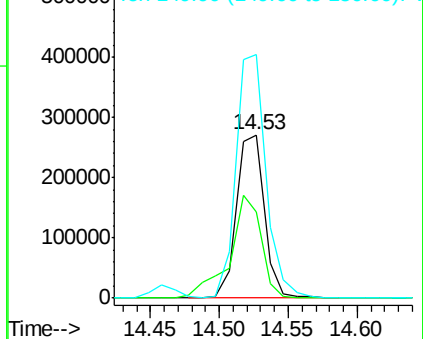
152 100

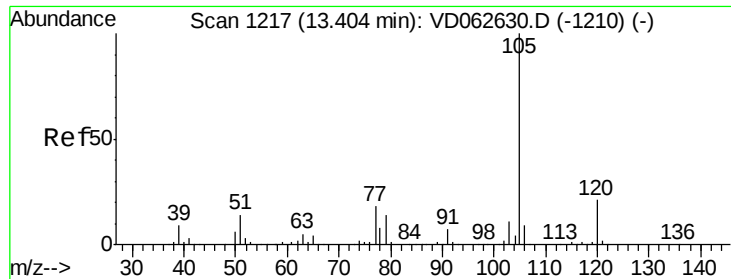
115 52.9 28.7 86.1

150 149.1 0.0 328.8



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





#73

Isopropylbenzene

Concen: 21.509 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

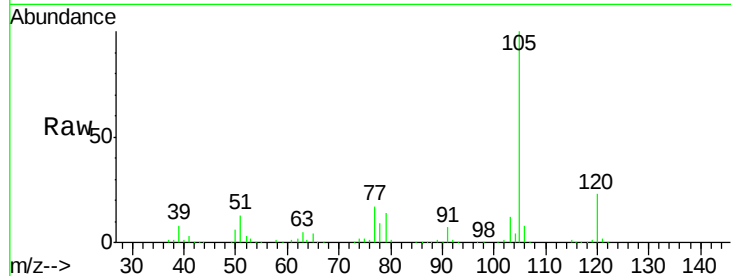
VSTDIC020

Tot Ion:105 Resp: 570319

Ion Ratio Lower Upper

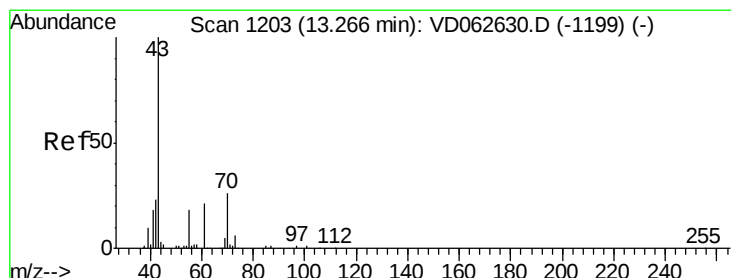
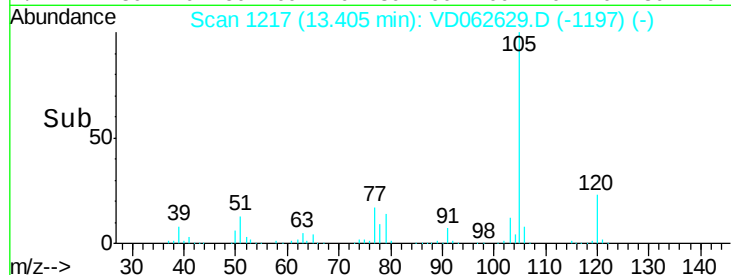
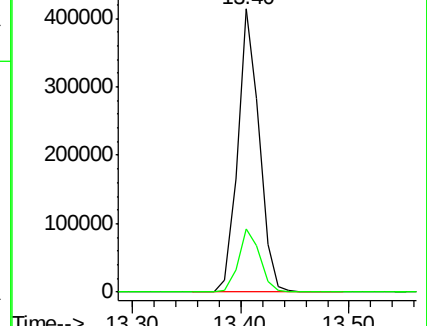
105 100

120 22.6 10.4 31.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.845 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Tgt Ion: 43 Resp: 142950

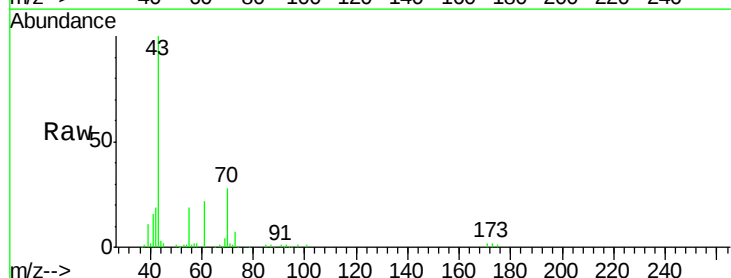
Ion Ratio Lower Upper

43 100

70 28.2 21.0 31.6

55 19.4 14.6 21.8

61 22.0 16.5 24.7

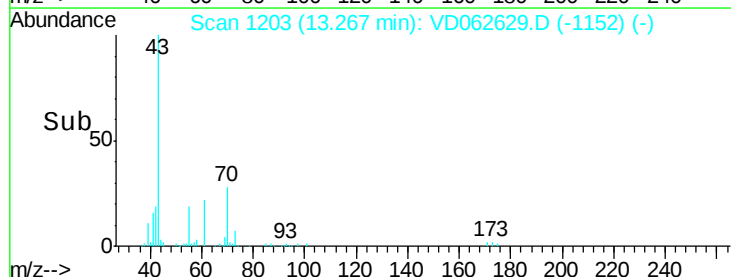
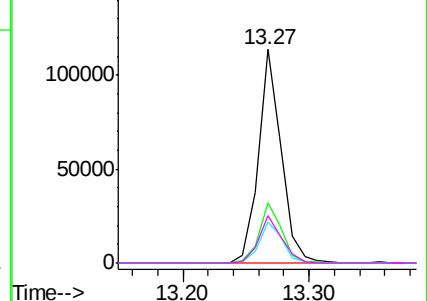


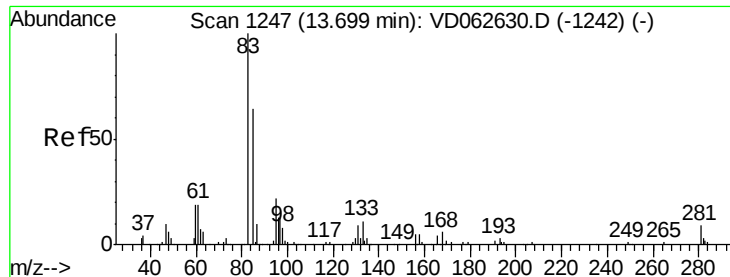
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.569 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

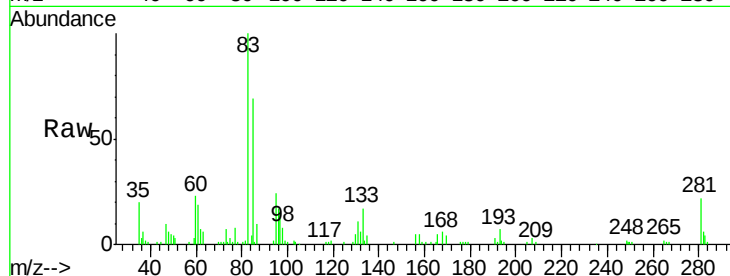
Tot Ion: 83 Resp: 95375

Ion Ratio Lower Upper

83 100

131 11.0 4.6 13.8

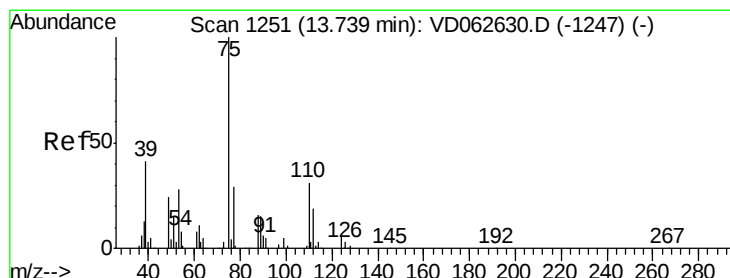
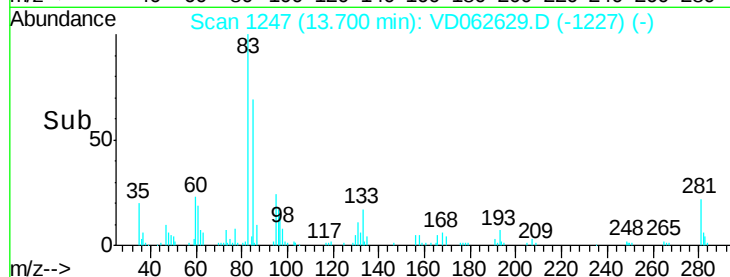
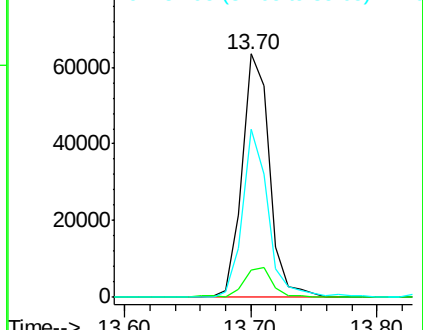
85 68.8 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.345 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062629.D

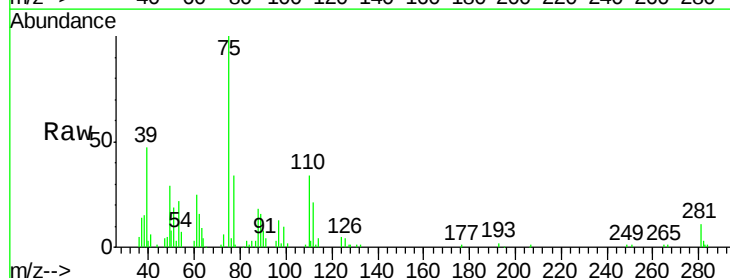
Acq: 6 Jun 2019 17:20

Tgt Ion: 75 Resp: 107284

Ion Ratio Lower Upper

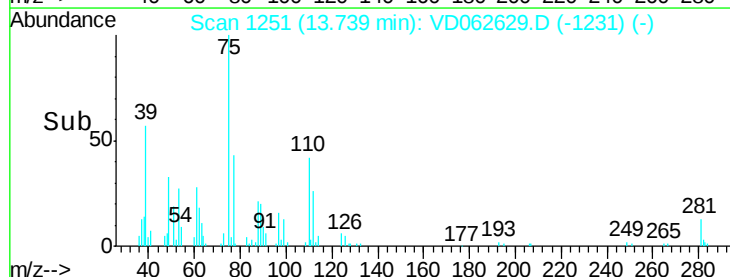
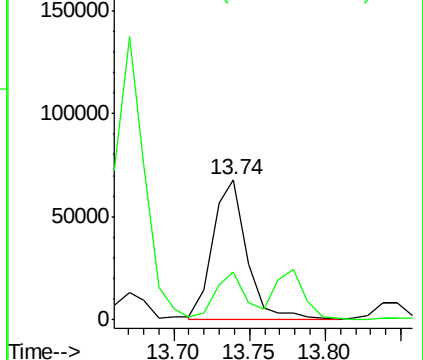
75 100

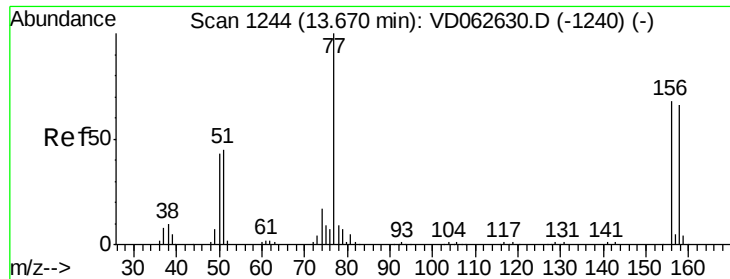
77 34.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.097 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

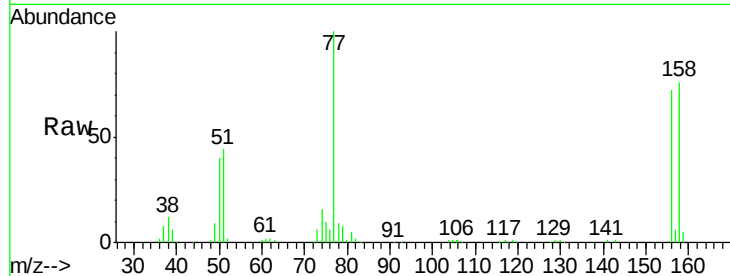
Tot Ion:156 Resp: 147301

Ion Ratio Lower Upper

156 100

77 139.7 73.5 220.3

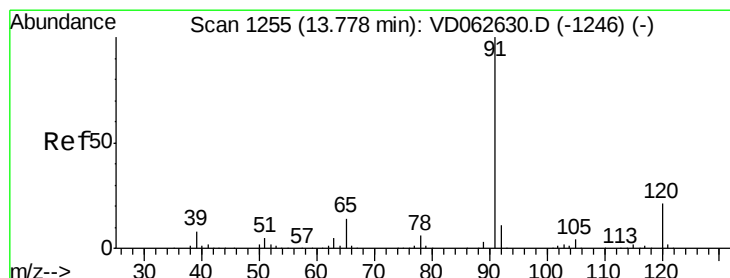
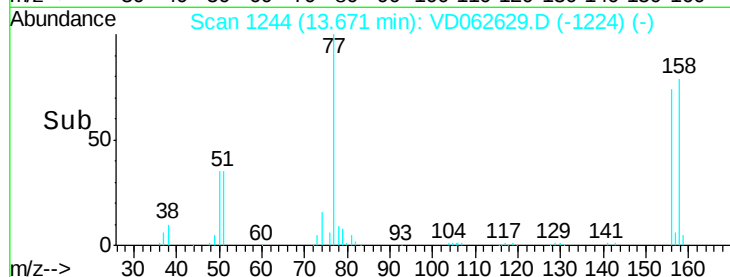
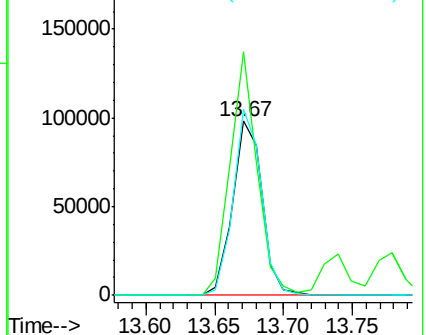
158 106.4 48.2 144.6



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: 22.835 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062629.D

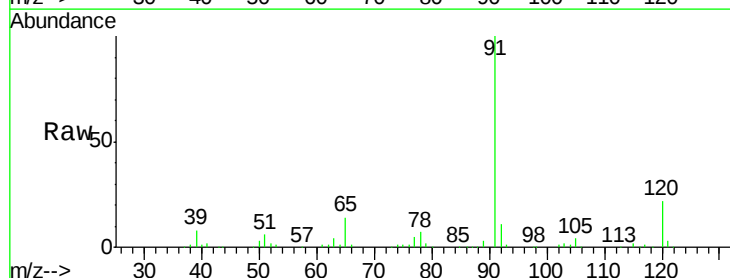
Acq: 6 Jun 2019 17:20

Tgt Ion: 91 Resp: 710842

Ion Ratio Lower Upper

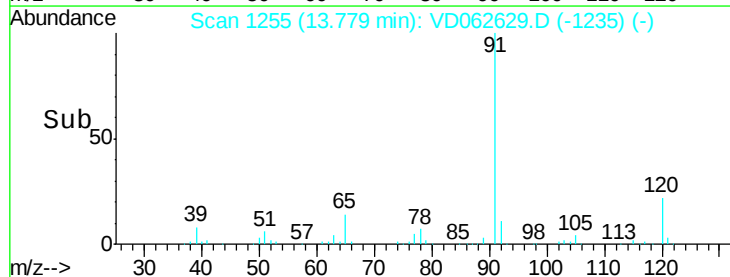
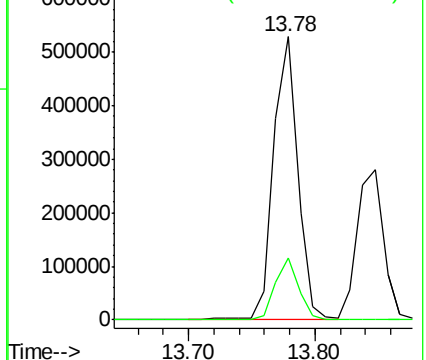
91 100

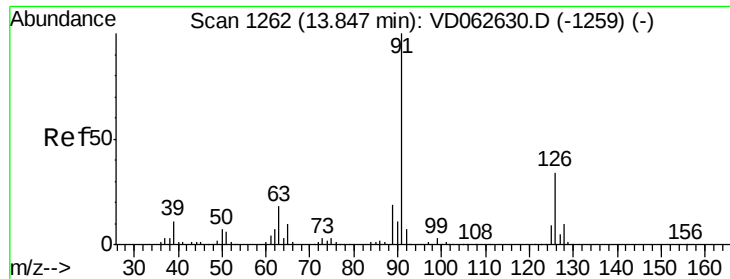
120 21.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.736 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

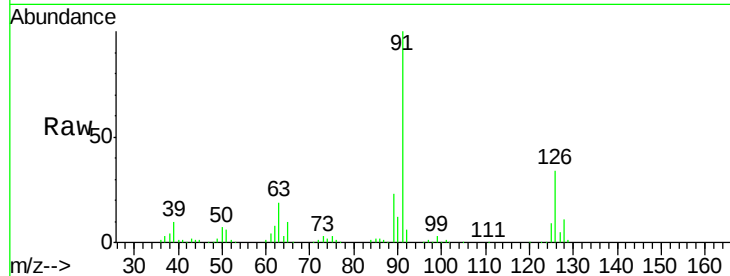
VSTDIC020

Tot Ion: 91 Resp: 404183

Ion Ratio Lower Upper

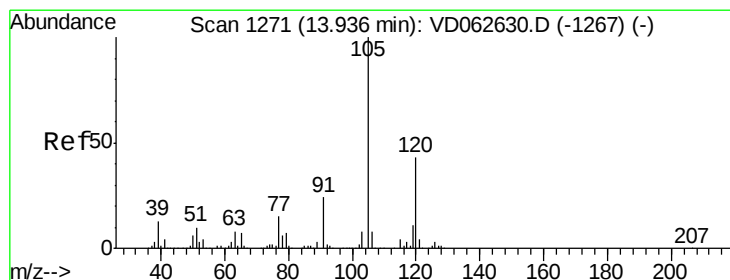
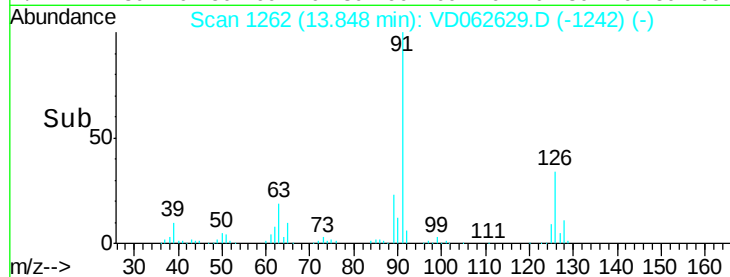
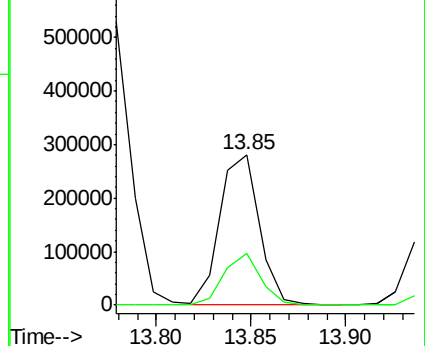
91 100

126 34.3 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 23.089 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062629.D

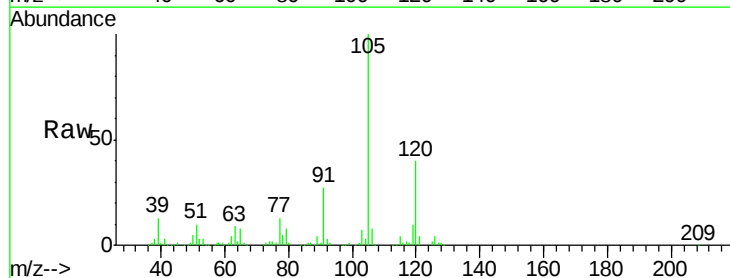
Acq: 6 Jun 2019 17:20

Tgt Ion:105 Resp: 539412

Ion Ratio Lower Upper

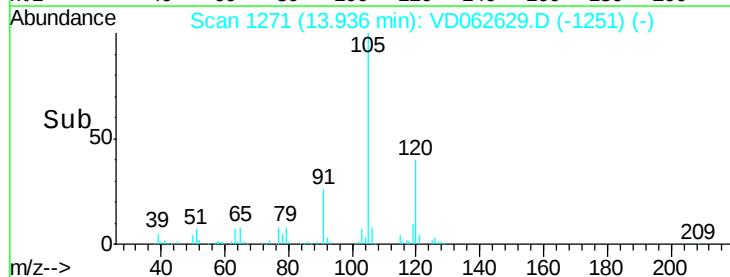
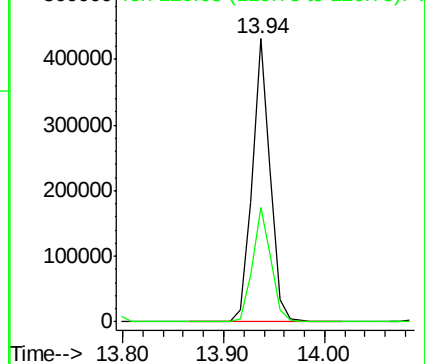
105 100

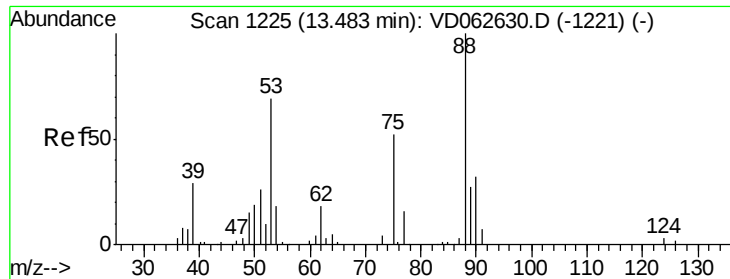
120 40.4 21.3 64.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

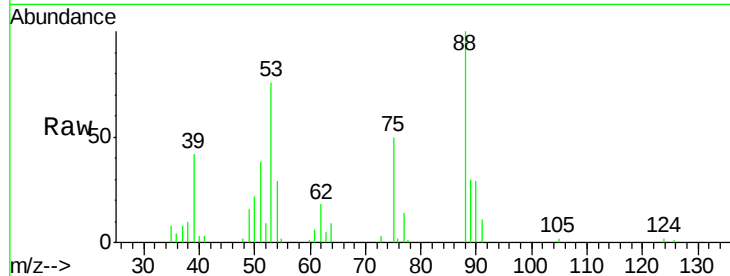




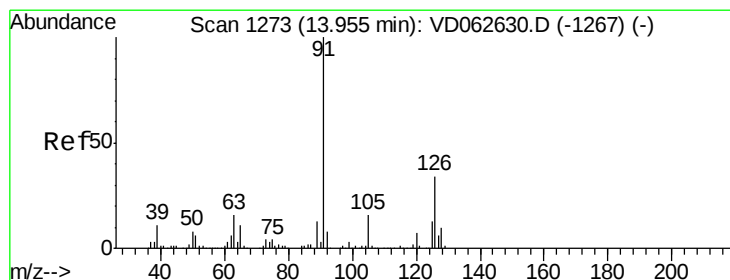
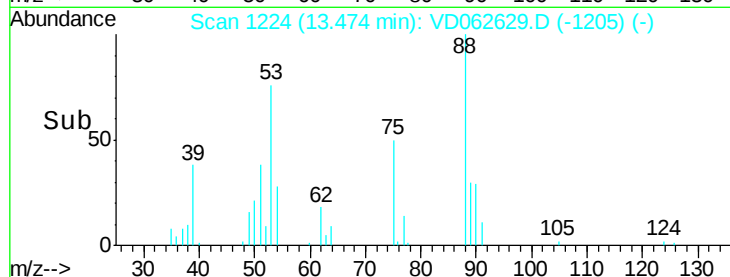
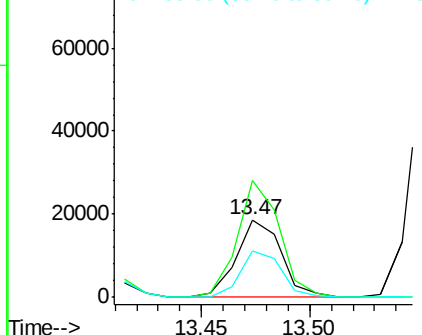
#81
trans-1,4-Dichloro-2-butene
Concen: 21.267 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 27069
Ion Ratio Lower Upper
75 100
53 151.3 105.6 158.4
89 60.1 40.9 61.3

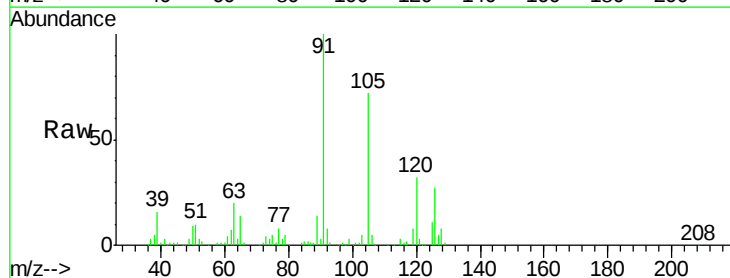


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

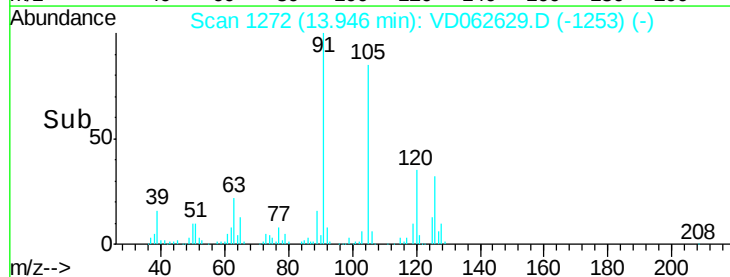
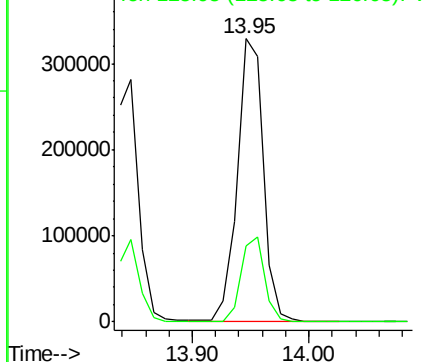


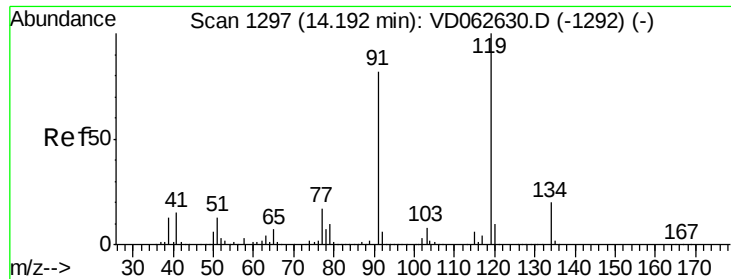
#82
4-Chlorotoluene
Concen: 23.043 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 91 Resp: 511361
Ion Ratio Lower Upper
91 100
126 26.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

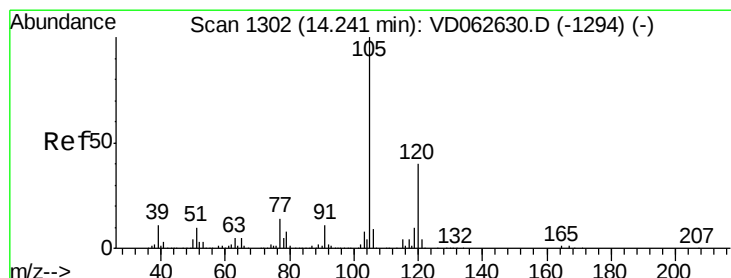
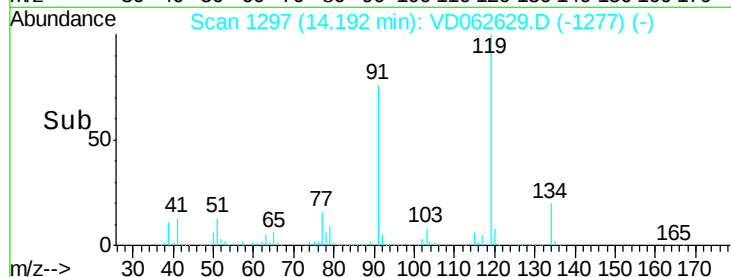
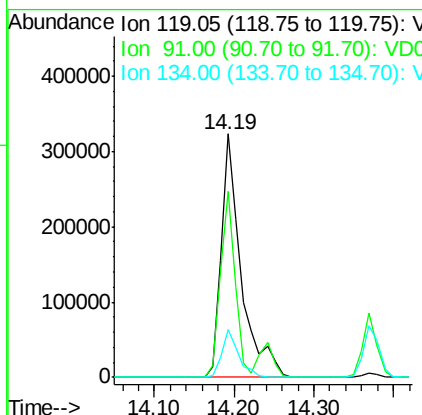
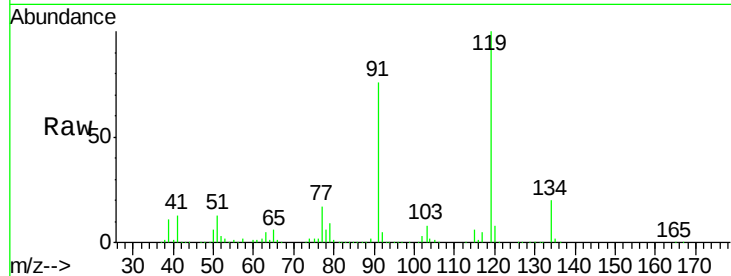




#83
 tert-Butylbenzene
 Concen: 22.511 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

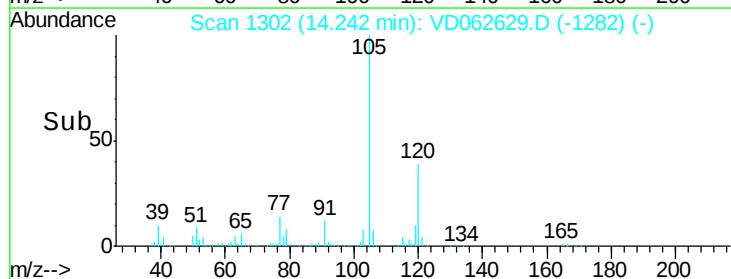
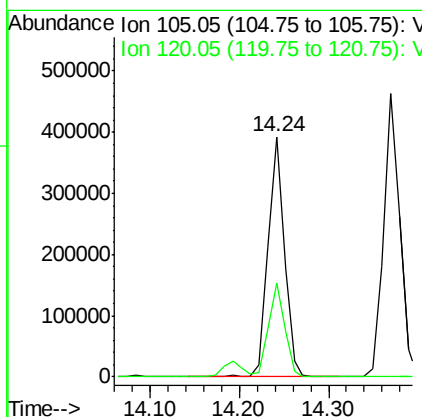
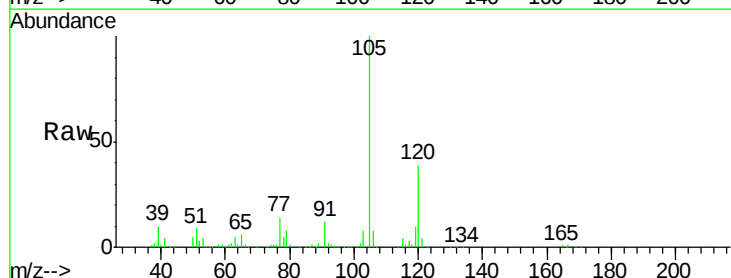
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

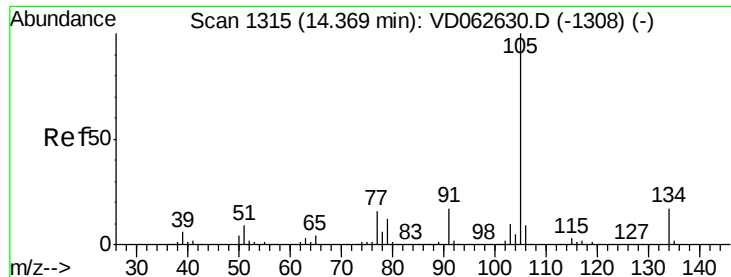
Tot Ion:119 Resp: 569983
 Ion Ratio Lower Upper
 119 100
 91 76.3 40.8 122.5
 134 19.8 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.186 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Tgt Ion:105 Resp: 495619
 Ion Ratio Lower Upper
 105 100
 120 39.0 20.0 59.9





#85

sec-Butylbenzene

Concen: 21.984 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

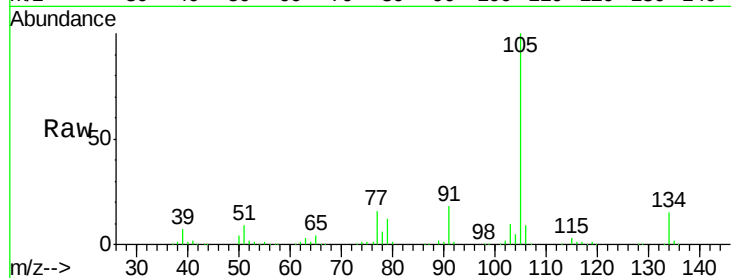
VSTDIC020

Tot Ion:105 Resp: 576676

Ion Ratio Lower Upper

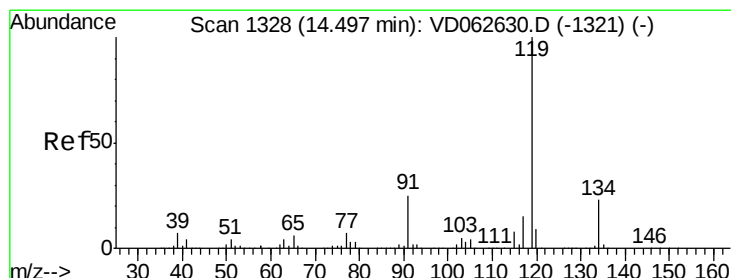
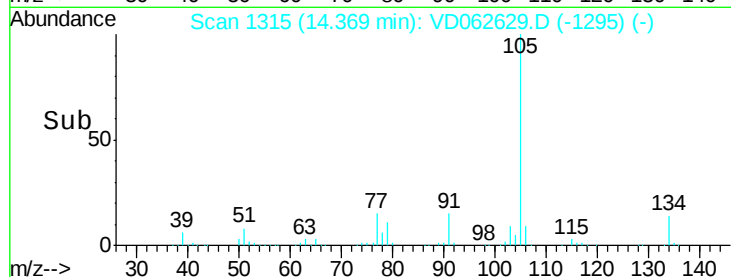
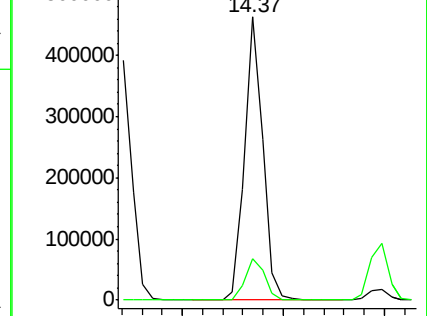
105 100

134 14.8 8.5 25.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.808 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

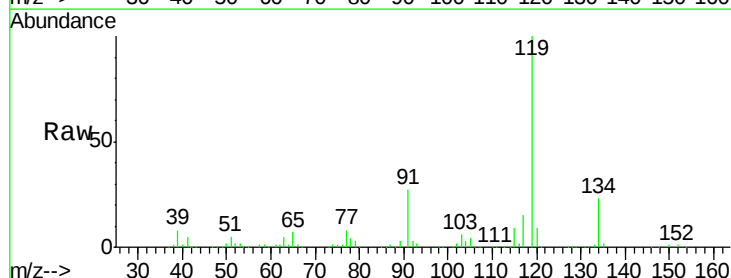
Tgt Ion:119 Resp: 549396

Ion Ratio Lower Upper

119 100

134 22.7 11.3 33.8

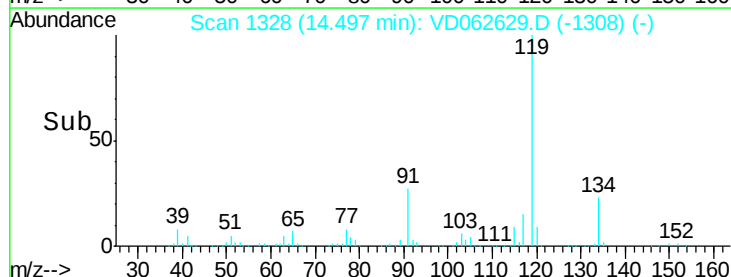
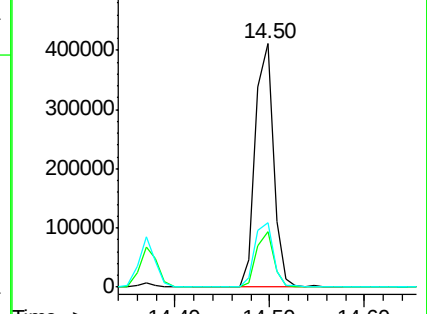
91 26.7 12.8 38.3

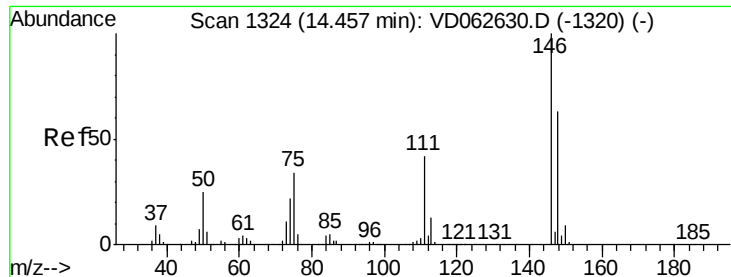


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

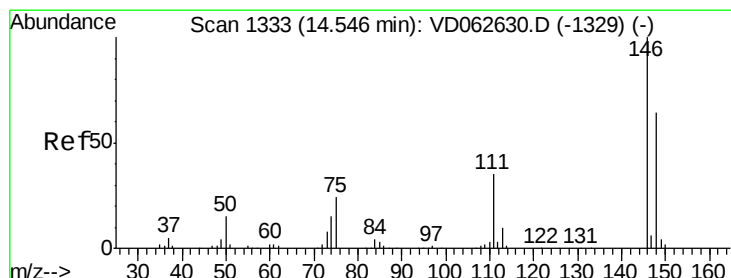
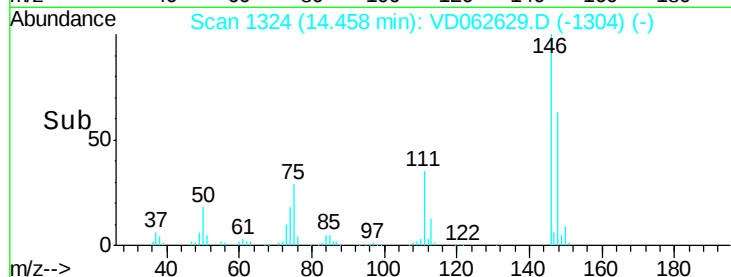
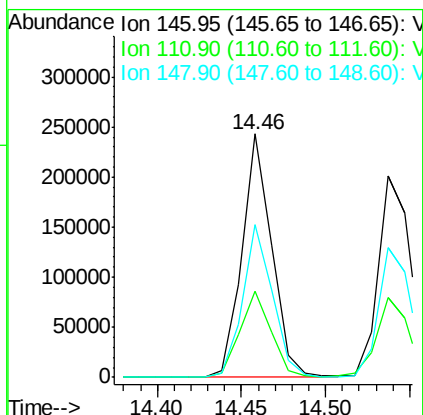
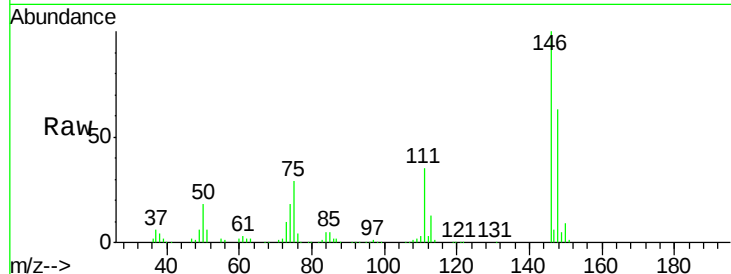




#87
 1,3-Dichlorobenzene
 Concen: 23.476 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

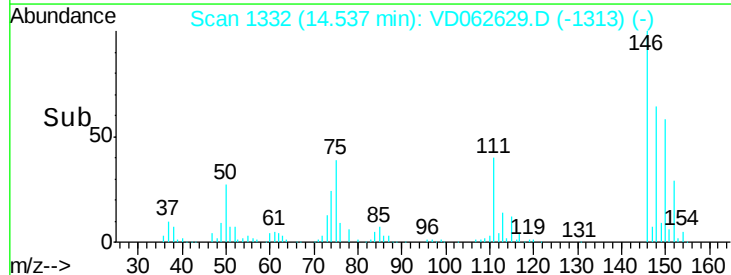
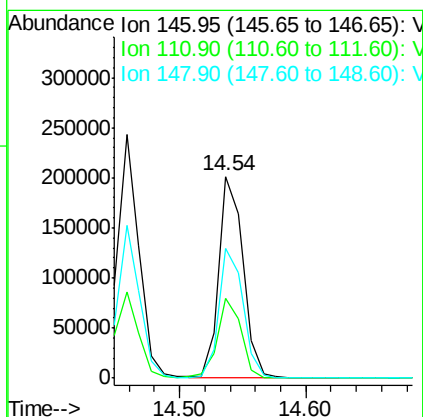
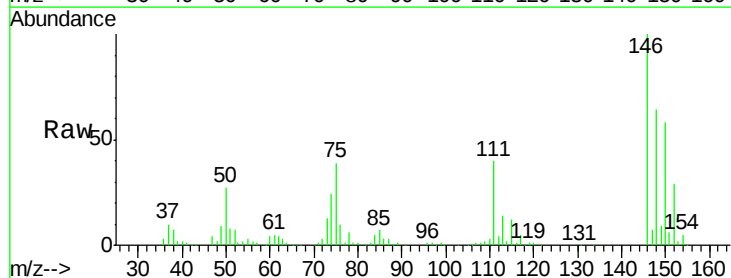
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

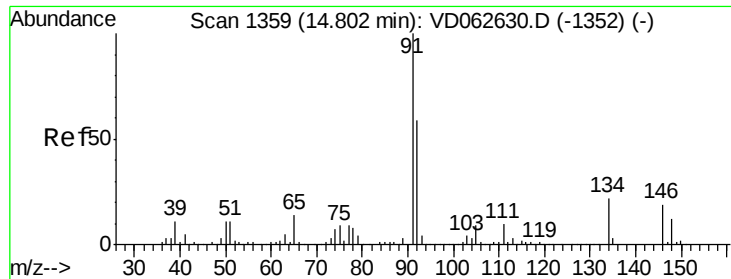
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	20.8	62.5
148	62.6	31.7	95.1



#88
 1,4-Dichlorobenzene
 Concen: 21.479 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	17.5	52.6
148	64.1	31.9	95.7

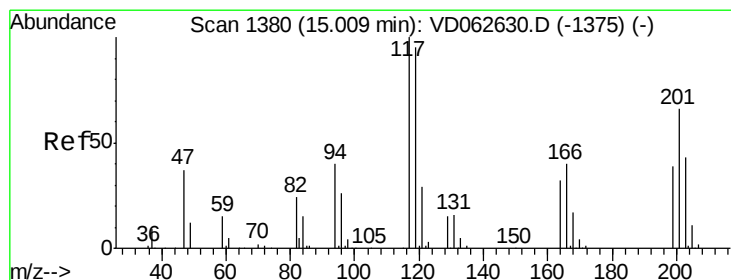
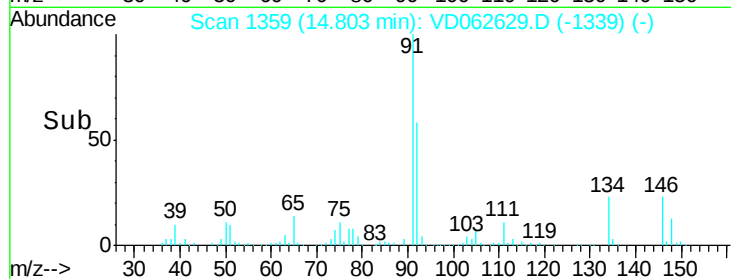
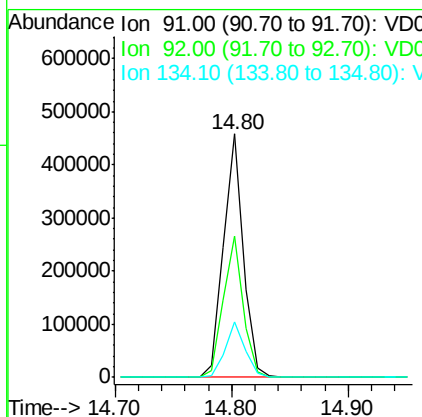
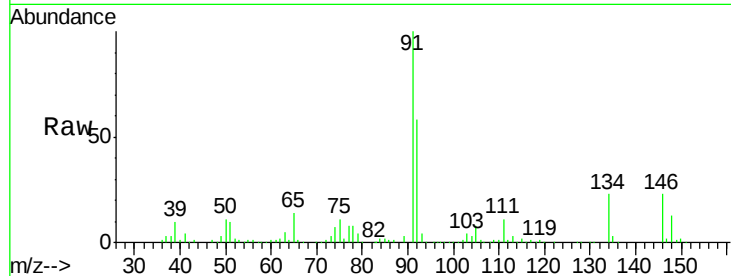




#89
n-Butylbenzene
Concen: 23.540 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

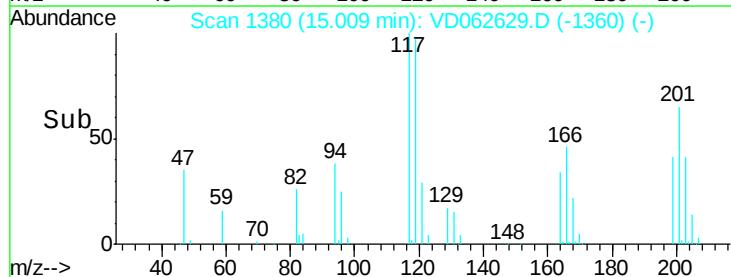
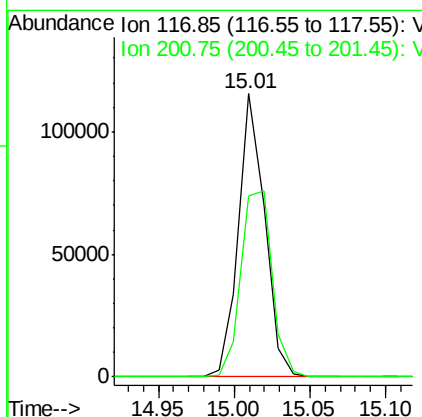
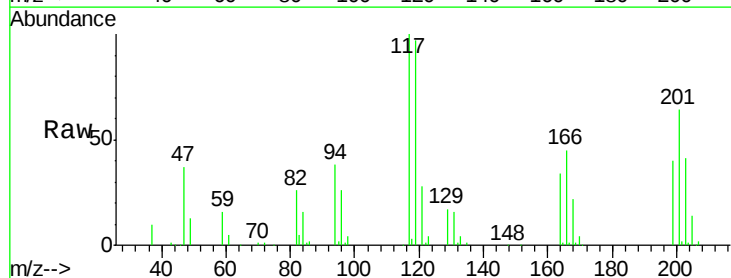
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

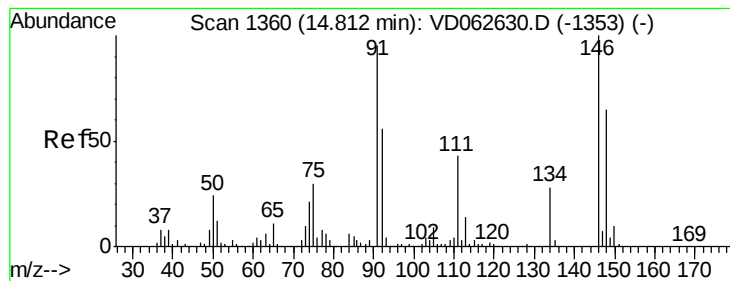
Tot Ion: 91 Resp: 541796
Ion Ratio Lower Upper
91 100
92 58.0 29.3 87.8
134 22.9 11.3 33.8



#90
Hexachloroethane
Concen: 21.160 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion: 117 Resp: 139200
Ion Ratio Lower Upper
117 100
201 64.1 32.8 98.4





#91

1,2-Dichlorobenzene

Concen: 23.599 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

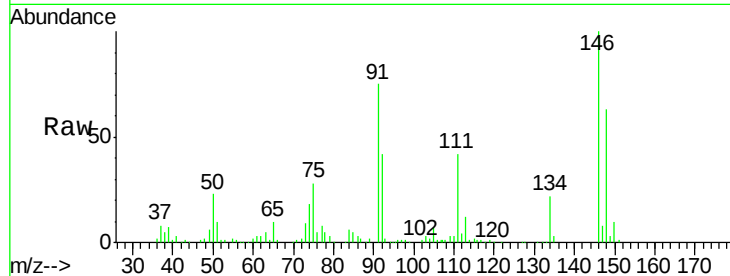
Tot Ion:146 Resp: 267642

Ion Ratio Lower Upper

146 100

111 42.2 21.4 64.3

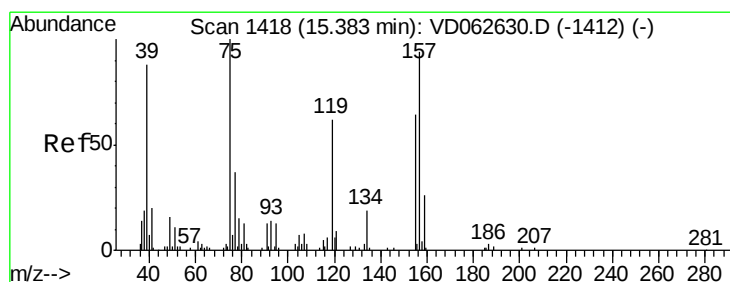
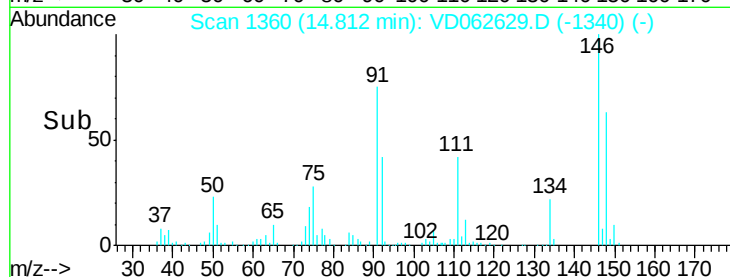
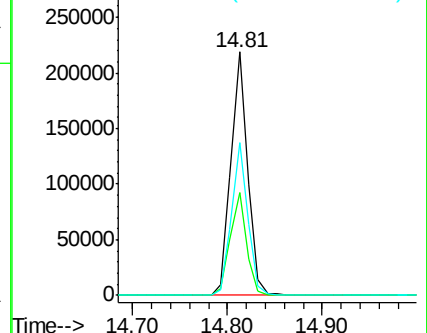
148 62.9 32.6 98.0



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: 21.853 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062629.D

Acq: 6 Jun 2019 17:20

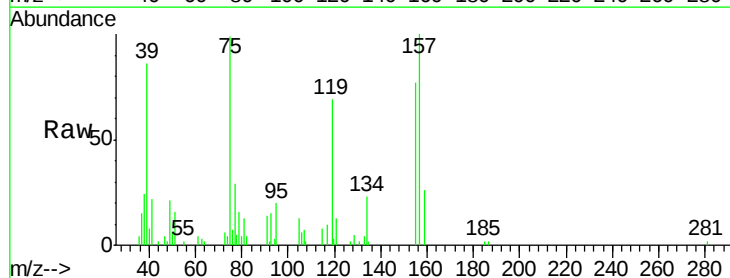
Tgt Ion: 75 Resp: 19817

Ion Ratio Lower Upper

75 100

155 78.0 32.2 96.6

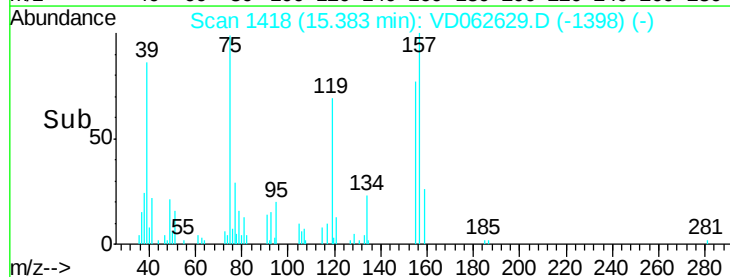
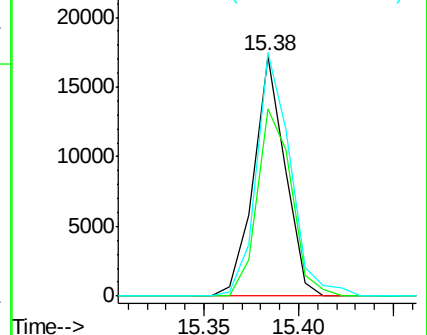
157 101.3 47.0 141.0

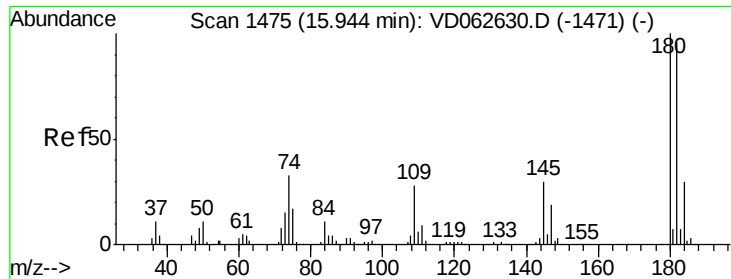


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

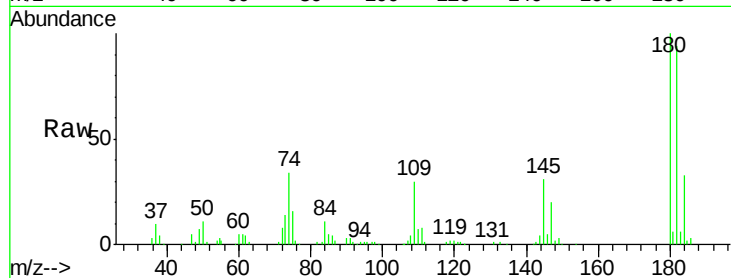




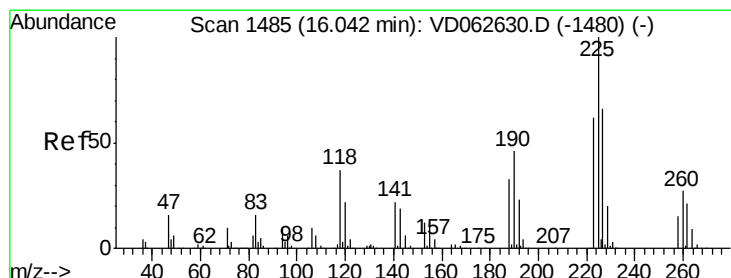
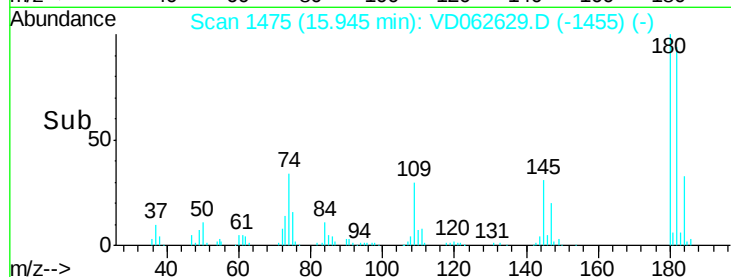
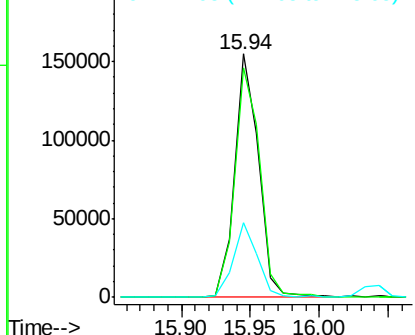
#93
 1,2,4-Trichlorobenzene
 Concen: 22.369 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 187210
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.0 144.2
 145 30.9 15.2 45.6

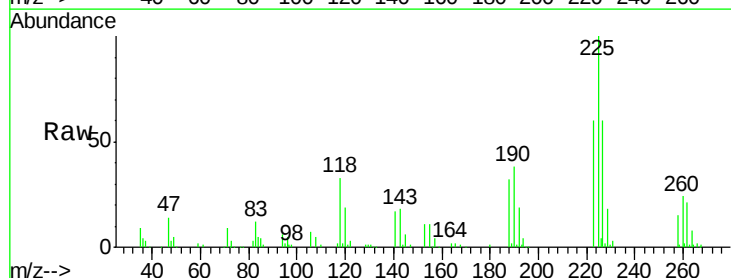


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

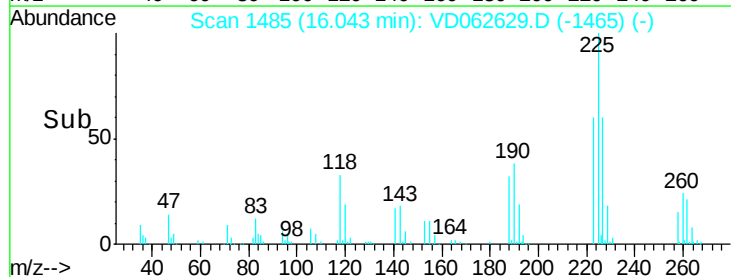
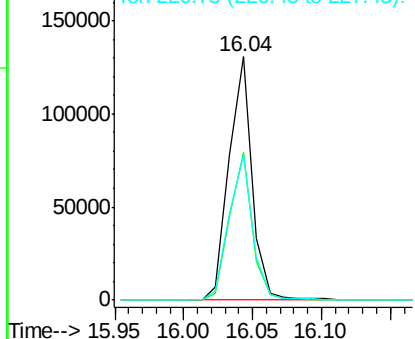


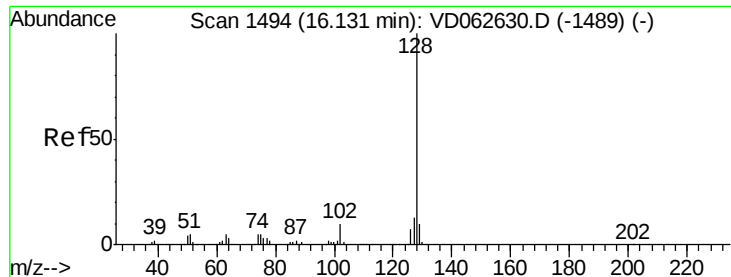
#94
 Hexachlorobutadiene
 Concen: 24.168 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062629.D
 Acq: 6 Jun 2019 17:20

Tgt Ion:225 Resp: 151632
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.9 92.7
 227 59.6 32.9 98.7



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

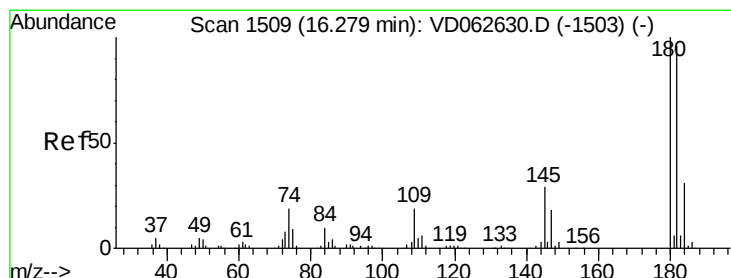
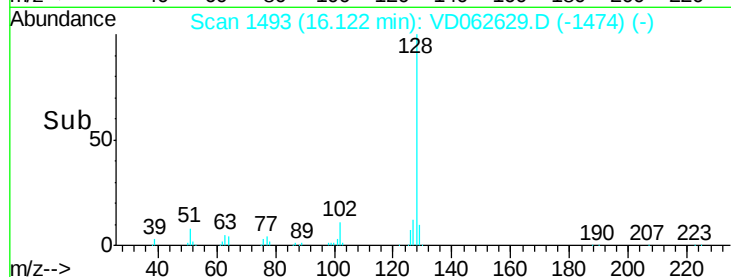
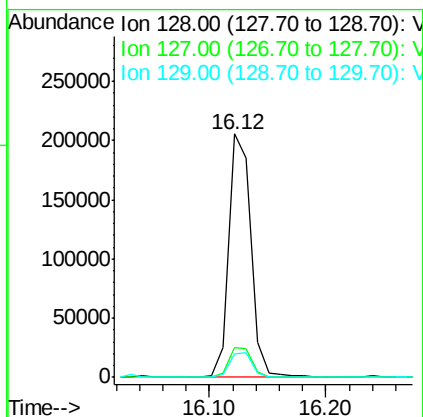
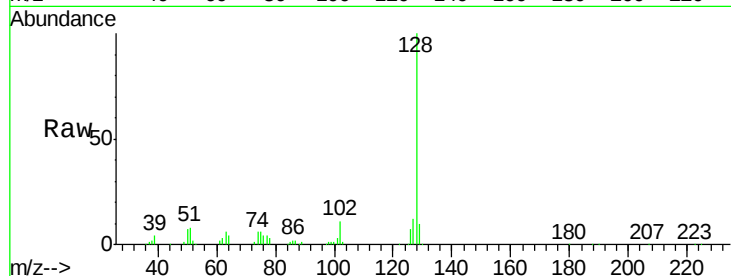




#95
Naphthalene
Concen: 22.754 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 270188
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 9.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 24.758 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062629.D
Acq: 6 Jun 2019 17:20

Tgt Ion:180 Resp: 156492
Ion Ratio Lower Upper
180 100
182 92.8 48.0 144.2
145 32.4 14.4 43.2

