

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091520\
 Data File : VD066697.D
 Acq On : 15 Sep 2020 14:22
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 15 16:20:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	408013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	660953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	599682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279133	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	79529	18.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.54%	
35) Dibromofluoromethane	7.91	113	79170	19.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.08%	
50) Toluene-d8	10.34	98	273114	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	
62) 4-Bromofluorobenzene	12.63	95	94434	18.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	79183	23.217	ug/l	97
3) Chloromethane	2.21	50	97098	21.869	ug/l	99
4) Vinyl Chloride	2.35	62	98897	21.283	ug/l	97
5) Bromomethane	2.76	94	68961	20.920	ug/l	96
6) Chloroethane	2.91	64	59927	20.702	ug/l	98
7) Trichlorofluoromethane	3.27	101	167552	20.876	ug/l	95
8) Diethyl Ether	3.71	74	41410	20.604	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90551	20.529	ug/l	99
10) Methyl Iodide	4.30	142	82085	19.614	ug/l	97
11) Tert butyl alcohol	5.21	59	44411	101.118	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	85013	20.823	ug/l	92
13) Acrolein	3.92	56	30627	99.754	ug/l	99
14) Allyl chloride	4.71	41	132608	20.225	ug/l	99
15) Acrylonitrile	5.43	53	83646	95.006	ug/l	98
16) Acetone	4.16	43	84723	95.571	ug/l	100
17) Carbon Disulfide	4.41	76	277724	21.648	ug/l	97
18) Methyl Acetate	4.71	43	40721	19.029	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	177376	19.506	ug/l	96
20) Methylene Chloride	4.96	84	118193	19.685	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	97464	20.491	ug/l	95
22) Diisopropyl ether	6.36	45	275395	20.672	ug/l	97
23) Vinyl Acetate	6.30	43	755787	101.989	ug/l	97
24) 1,1-Dichloroethane	6.26	63	170184	20.131	ug/l	97
25) 2-Butanone	7.21	43	112042	97.061	ug/l	99
26) 2,2-Dichloropropane	7.20	77	156691	20.044	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103992	19.985	ug/l	97
28) Bromochloromethane	7.55	49	68320	21.636	ug/l	98
29) Tetrahydrofuran	7.56	42	69918	98.997	ug/l	97
30) Chloroform	7.71	83	178881	19.881	ug/l	96
31) Cyclohexane	7.98	56	154538	20.097	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	164398	19.968	ug/l	96
36) 1,1-Dichloropropene	8.11	75	141846	20.873	ug/l	99
37) Ethyl Acetate	7.29	43	52146	20.270	ug/l #	93
38) Carbon Tetrachloride	8.10	117	147433	20.430	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157412	20.251	ug/l	98
40) Benzene	8.35	78	384077	20.891	ug/l	95
41) Methacrylonitrile	7.56	41	71084	57.070	ug/l #	28
42) 1,2-Dichloroethane	8.42	62	118055	20.727	ug/l	99
43) Isopropyl Acetate	8.45	43	94632	19.543	ug/l	98
44) Trichloroethene	9.11	130	100316	20.408	ug/l	88
45) 1,2-Dichloropropane	9.38	63	93800	20.638	ug/l	99
46) Dibromomethane	9.47	93	51718	20.708	ug/l	98
47) Bromodichloromethane	9.66	83	141518	20.795	ug/l	97
48) Methyl methacrylate	9.45	41	44574	18.097	ug/l	87
49) 1,4-Dioxane	9.46	88	11308	422.678	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	250135	100.337	ug/l	97
52) Toluene	10.40	92	245172	20.817	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	121858	20.044	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	148943	20.626	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	68401	20.772	ug/l	97
56) Ethyl methacrylate	10.66	69	71292	19.078	ug/l	92
57) 1,3-Dichloropropane	10.94	76	116768	20.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	185425	112.984	ug/l	99
59) 2-Hexanone	10.98	43	167466	99.977	ug/l	97
60) Dibromochloromethane	11.14	129	86251	20.102	ug/l	98
61) 1,2-Dibromoethane	11.24	107	63914	20.234	ug/l	99
64) Tetrachloroethene	10.87	164	84487	20.639	ug/l	91
65) Chlorobenzene	11.67	112	251846	20.284	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94122	20.546	ug/l	99
67) Ethyl Benzene	11.74	91	457160	20.328	ug/l	96
68) m/p-Xylenes	11.85	106	355082	41.775	ug/l	97
69) o-Xylene	12.18	106	152067	20.245	ug/l	100
70) Styrene	12.20	104	272270	20.595	ug/l	99
71) Bromoform	12.36	173	43788	19.046	ug/l #	96
73) Isopropylbenzene	12.48	105	422327	20.267	ug/l	99
74) N-amyl acetate	12.29	43	84425	19.206	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	70696	19.966	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	94886	40.165	ug/l #	100
77) Bromobenzene	12.76	156	94959	19.772	ug/l	98
78) n-propylbenzene	12.82	91	519297	20.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	293710	20.449	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	364639	20.696	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22369	20.205	ug/l	98
82) 4-Chlorotoluene	13.00	91	315425	20.769	ug/l	99
83) tert-Butylbenzene	13.23	119	295016	20.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	371509	21.099	ug/l	99
85) sec-Butylbenzene	13.40	105	426678	20.495	ug/l	99
86) p-Isopropyltoluene	13.52	119	380332	20.095	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	186983	20.293	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184027	20.056	ug/l	99
89) n-Butylbenzene	13.85	91	357264	19.851	ug/l	99
90) Hexachloroethane	14.11	117	79987	20.572	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	158221	20.040	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	19.529	ug/l	99

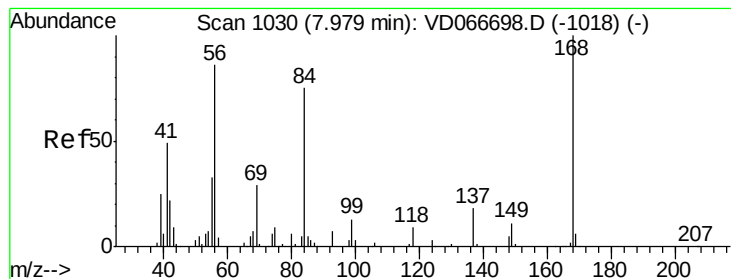
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD091520\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	94675	19.826	ug/l	98
94) Hexachlorobutadiene	15.27	225	57268	19.905	ug/l	99
95) Naphthalene	15.41	128	156096	18.709	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	82408	19.757	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

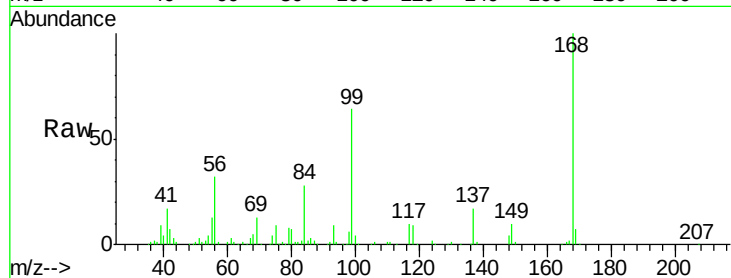
VSTDIC020

Tgt Ion:168 Resp: 408013

Ion Ratio Lower Upper

168 100

99 63.7 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

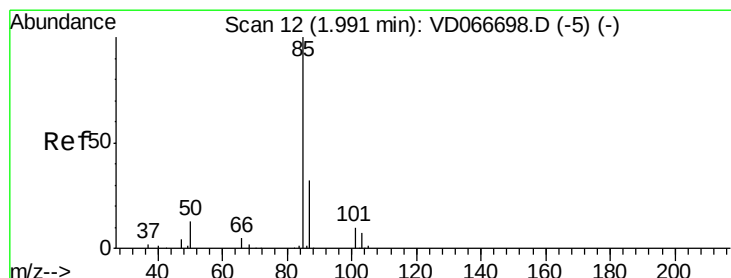
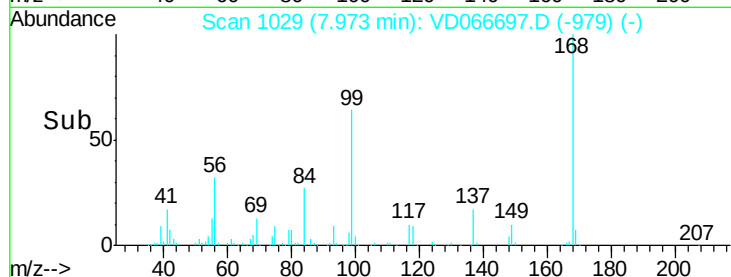
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.217 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066697.D

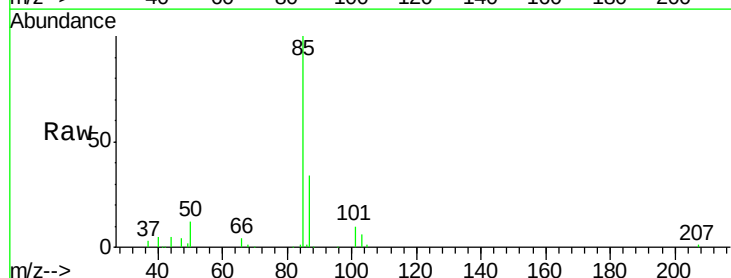
Acq: 15 Sep 2020 14:22

Tgt Ion: 85 Resp: 79183

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

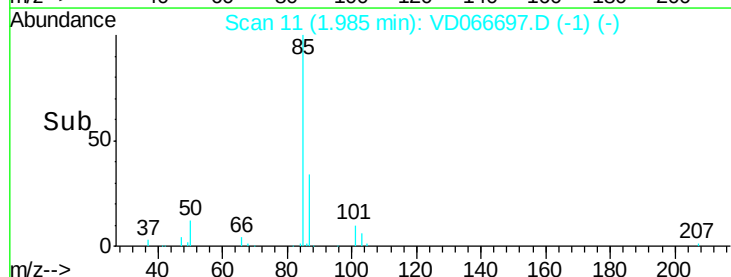
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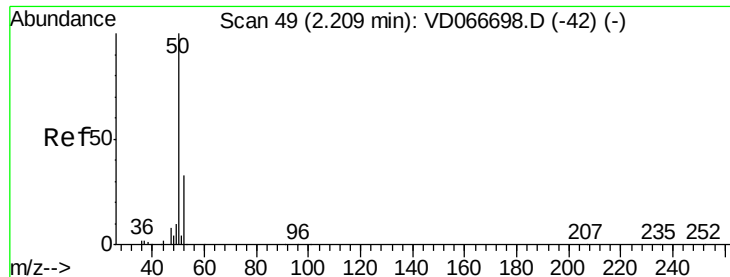
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.869 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

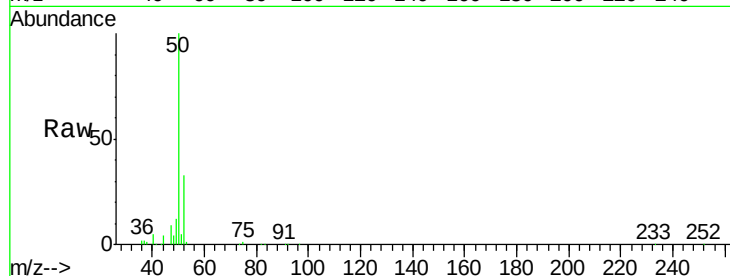
VSTDIC020

Tgt Ion: 50 Resp: 97098

Ion Ratio Lower Upper

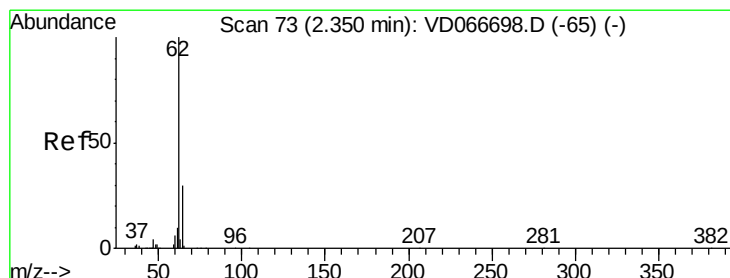
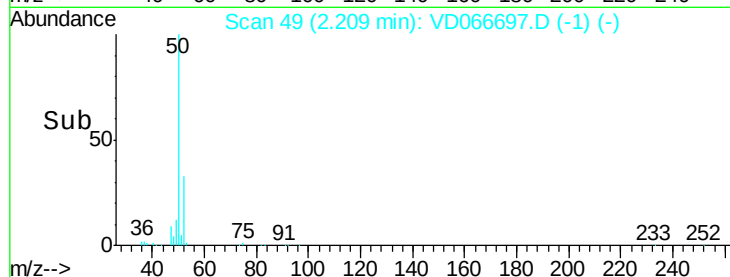
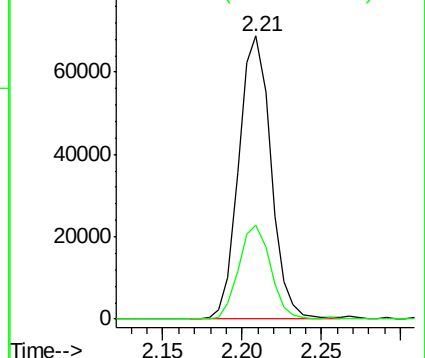
50 100

52 33.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.283 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066697.D

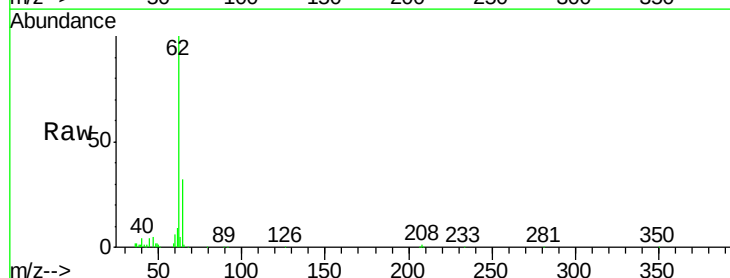
Acq: 15 Sep 2020 14:22

Tgt Ion: 62 Resp: 98897

Ion Ratio Lower Upper

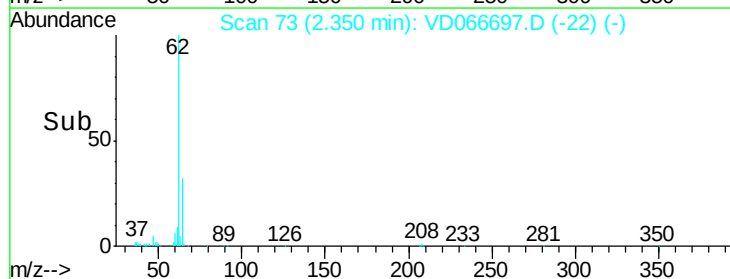
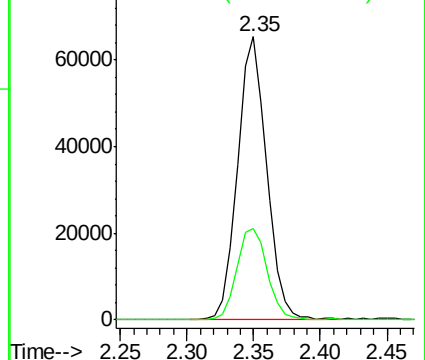
62 100

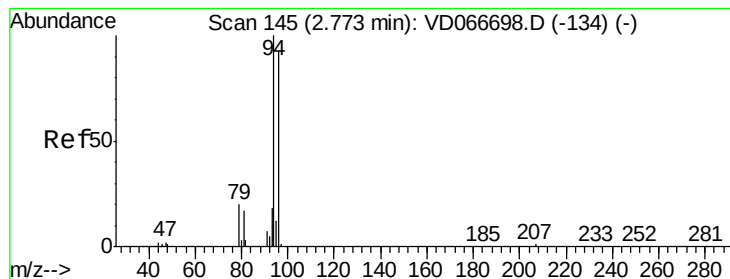
64 32.4 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.920 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

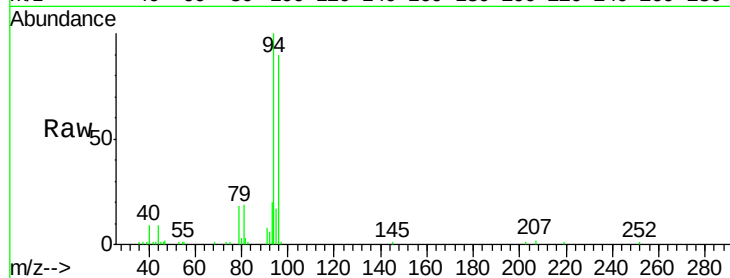
VSTDIC020

Tgt Ion: 94 Resp: 68961

Ion Ratio Lower Upper

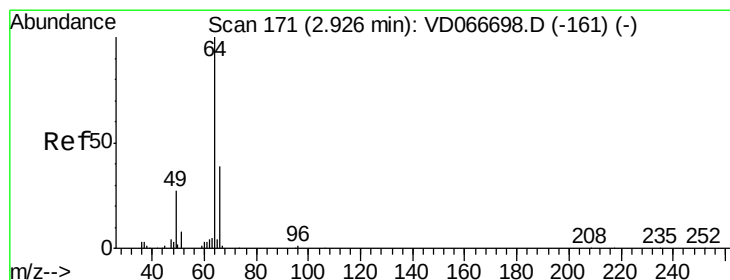
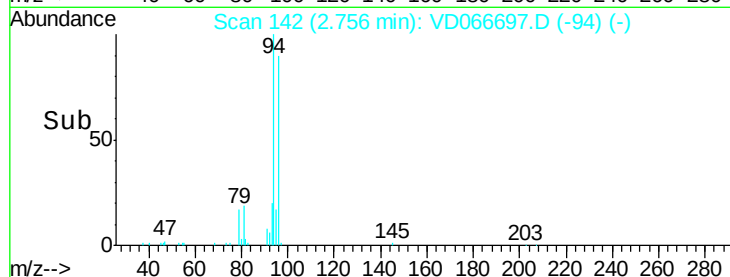
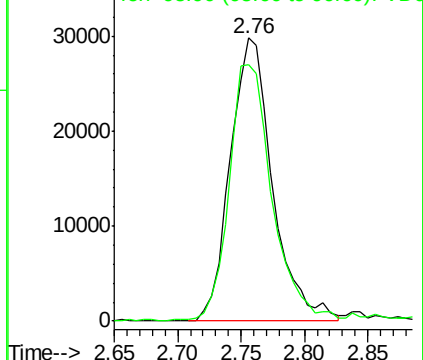
94 100

96 89.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.702 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066697.D

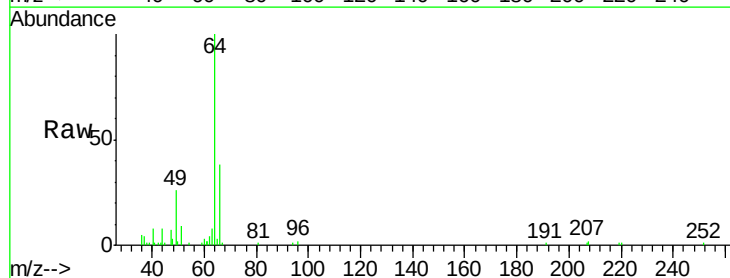
Acq: 15 Sep 2020 14:22

Tgt Ion: 64 Resp: 59927

Ion Ratio Lower Upper

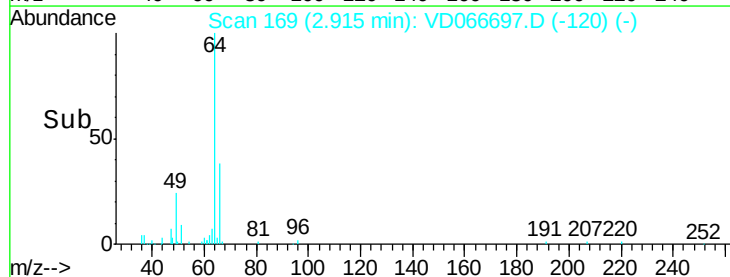
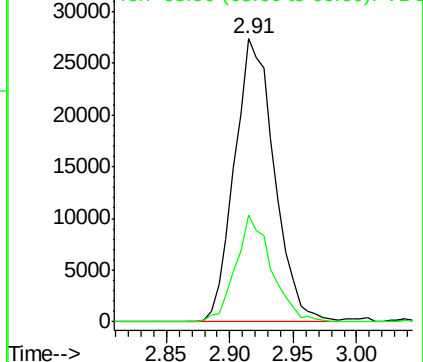
64 100

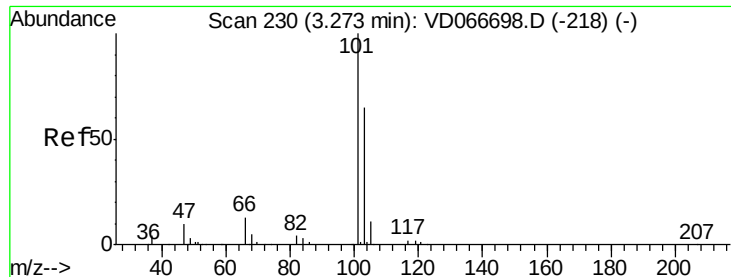
66 37.6 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



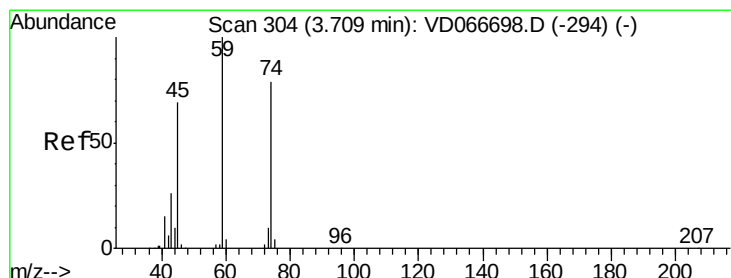
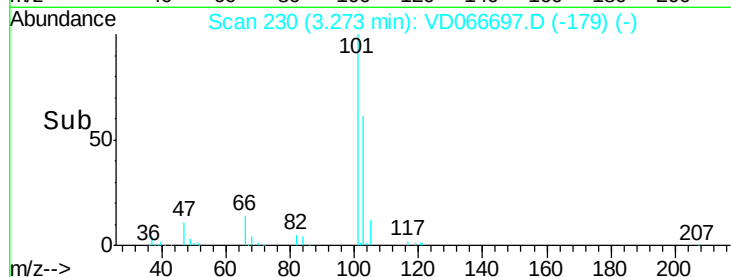
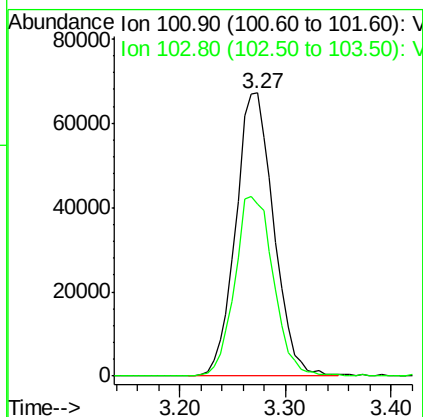
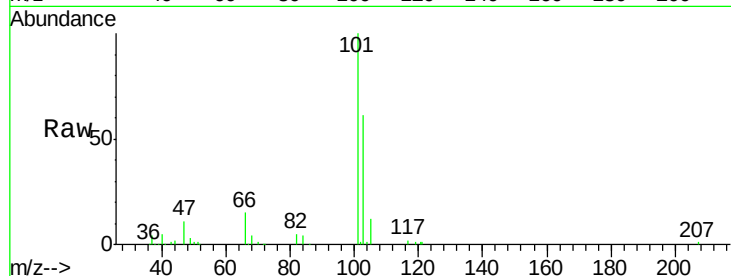


#7

Trichlorofluoromethane
Concen: 20.876 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

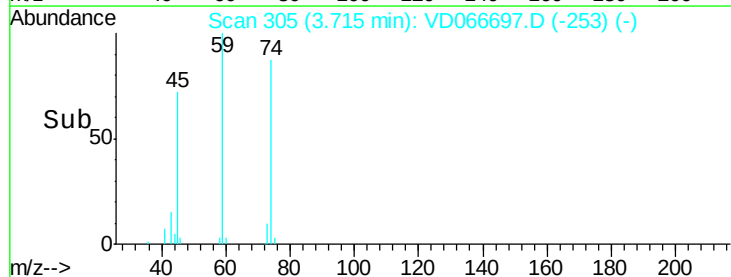
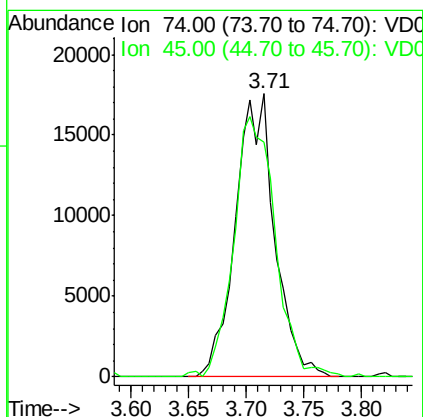
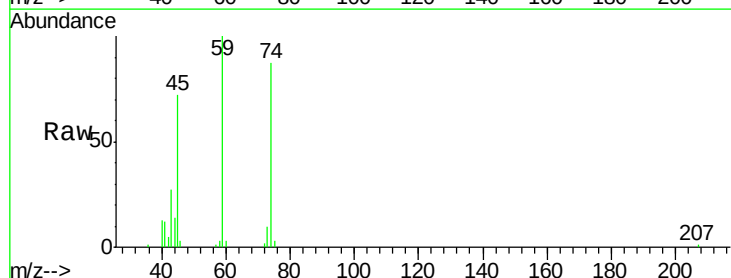
Tgt Ion:101 Resp: 167552
Ion Ratio Lower Upper
101 100
103 60.8 51.8 77.8

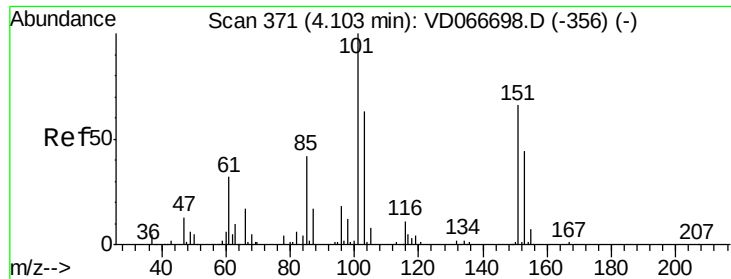


#8

Diethyl Ether
Concen: 20.604 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 74 Resp: 41410
Ion Ratio Lower Upper
74 100
45 97.7 48.0 144.0

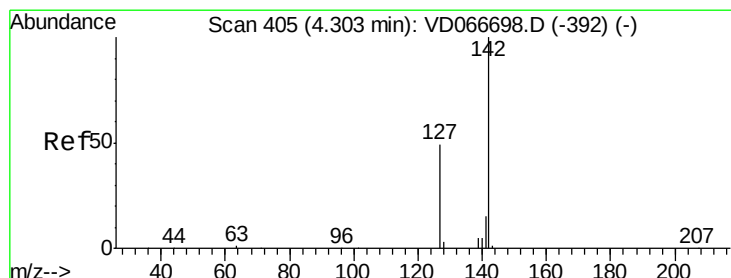
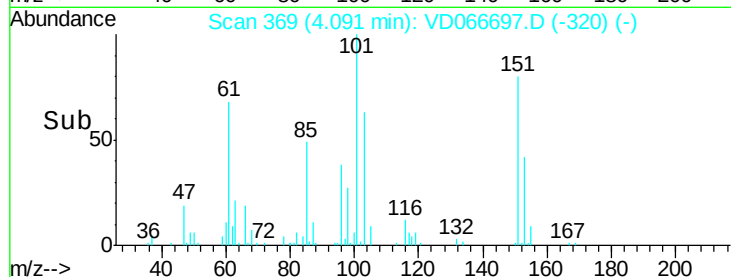
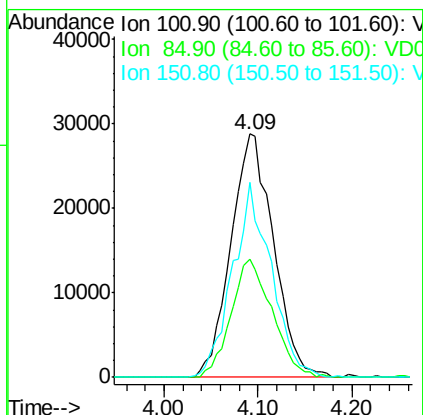
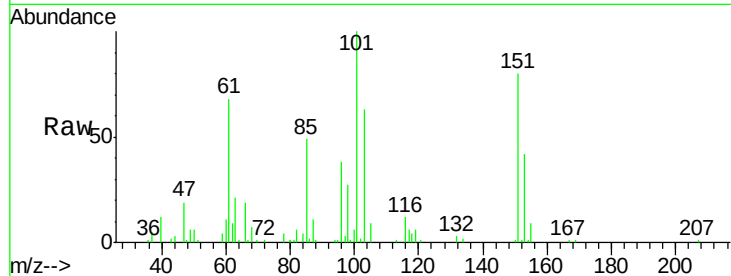




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.529 ug/l
 RT: 4.09 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VD066697.D
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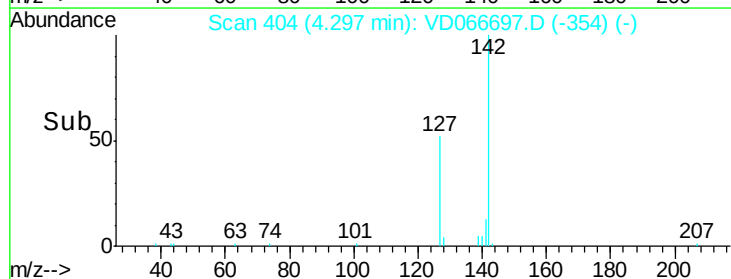
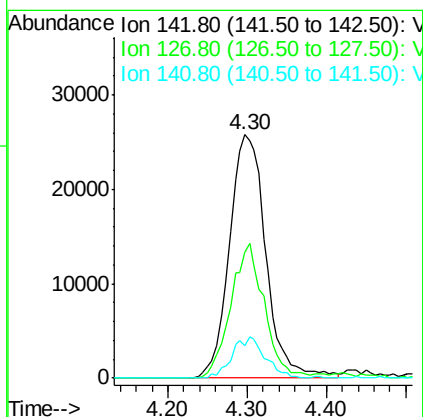
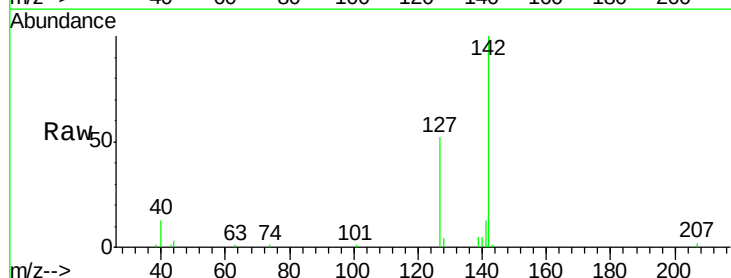
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

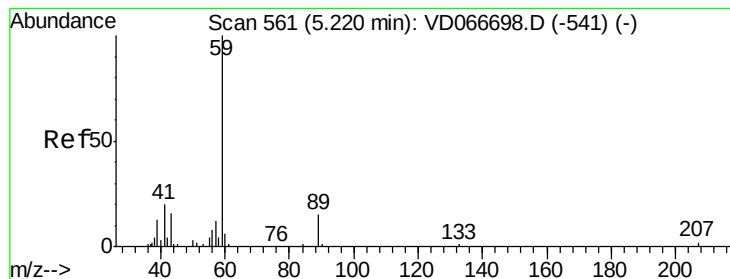
Tgt Ion:101 Resp: 90551
 Ion Ratio Lower Upper
 101 100
 85 46.9 36.3 54.5
 151 72.5 58.0 87.0



#10
 Methyl Iodide
 Concen: 19.614 ug/l
 RT: 4.30 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion:142 Resp: 82085
 Ion Ratio Lower Upper
 142 100
 127 50.9 39.0 58.4
 141 15.4 11.7 17.5





#11

Tert butyl alcohol

Concen: 101.118 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

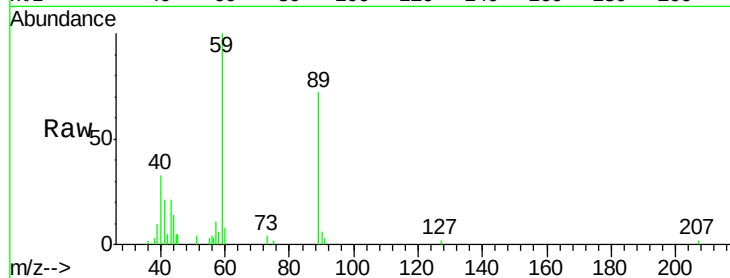
VSTDIC020

Tgt Ion: 59 Resp: 44411

Ion Ratio Lower Upper

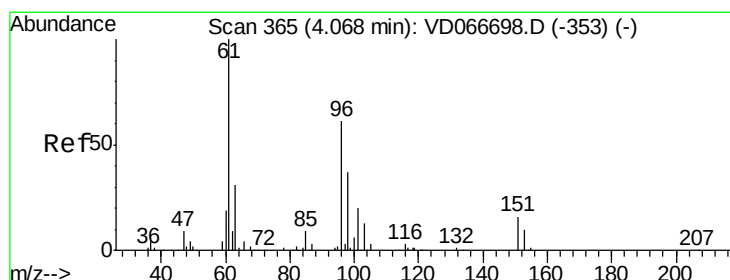
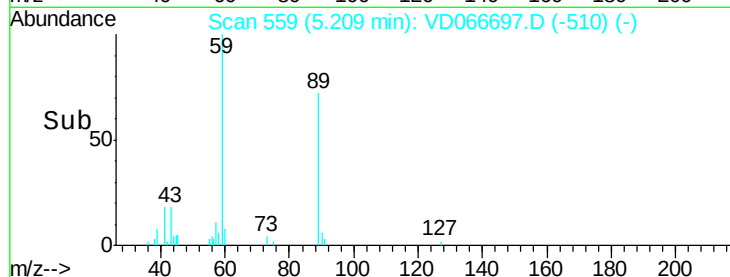
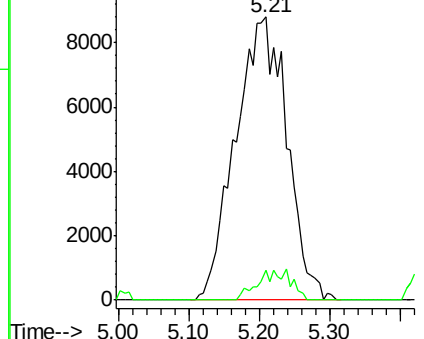
59 100

57 3.0 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.823 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

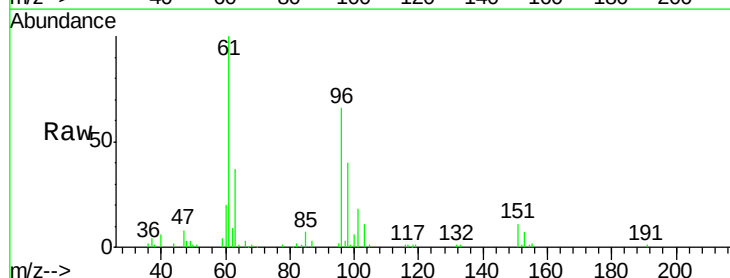
Tgt Ion: 96 Resp: 85013

Ion Ratio Lower Upper

96 100

61 150.8 131.9 197.9

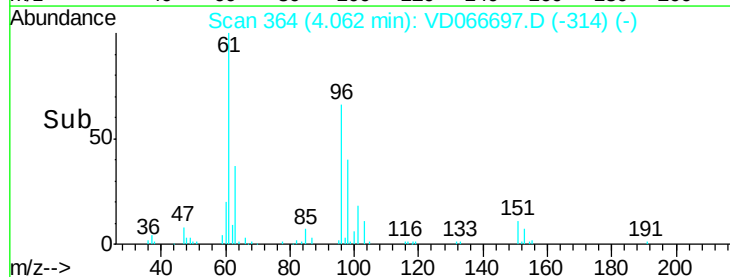
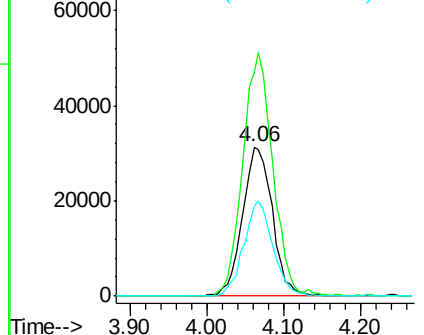
98 59.9 49.1 73.7

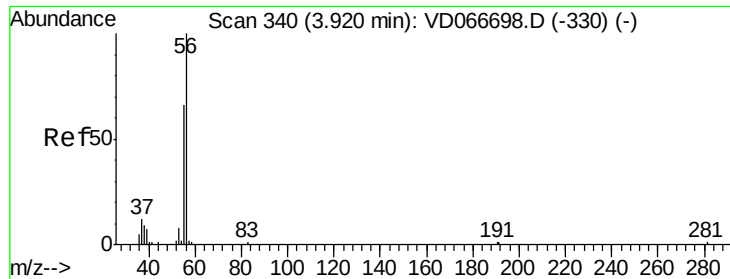


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 99.754 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

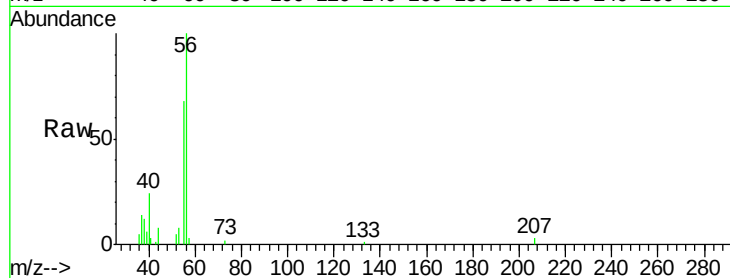
VSTDIC020

Tgt Ion: 56 Resp: 30627

Ion Ratio Lower Upper

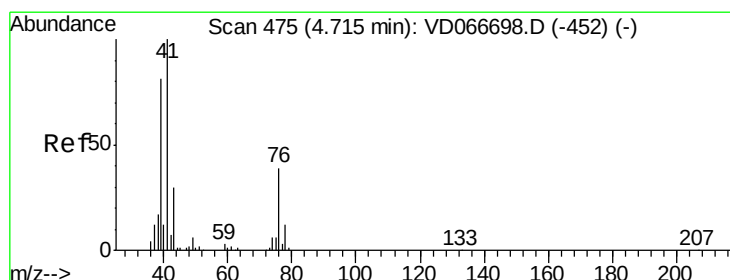
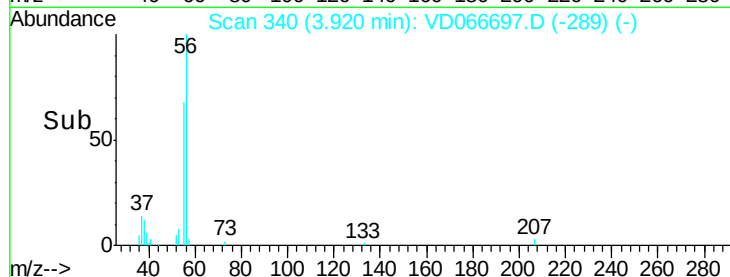
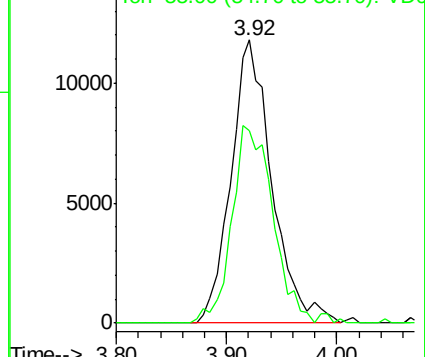
56 100

55 69.6 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.225 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

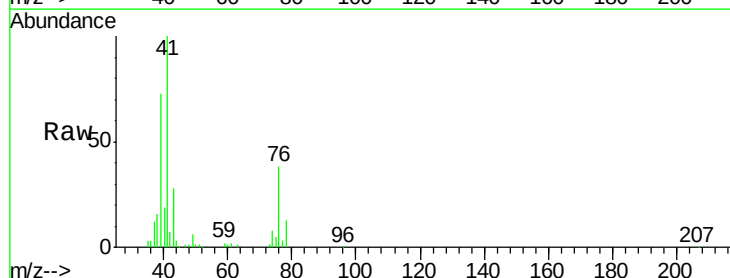
Tgt Ion: 41 Resp: 132608

Ion Ratio Lower Upper

41 100

39 76.4 60.6 90.8

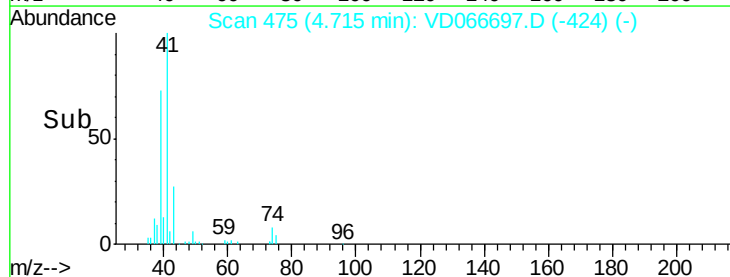
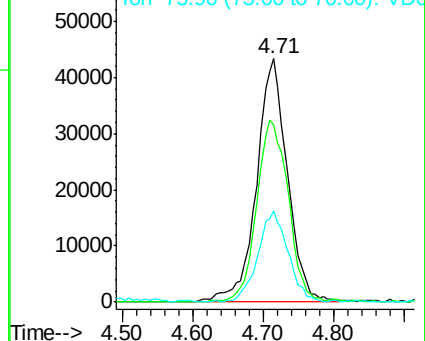
76 36.4 29.2 43.8

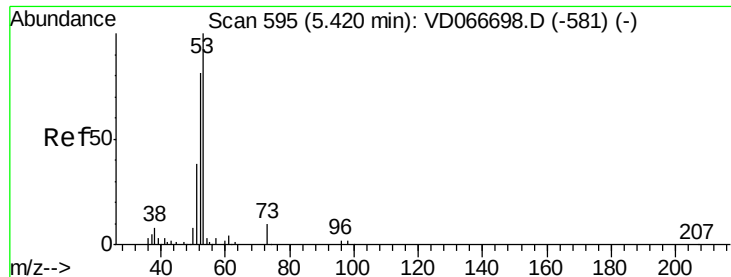


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.006 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

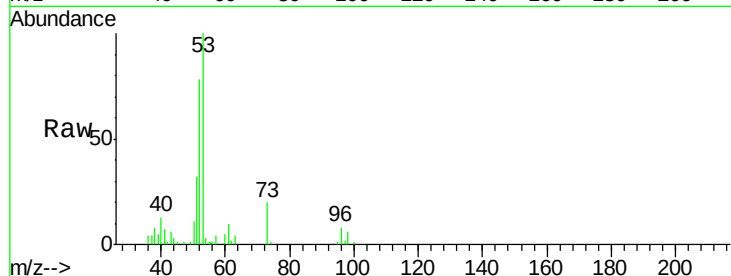
Tgt Ion: 53 Resp: 83646

Ion Ratio Lower Upper

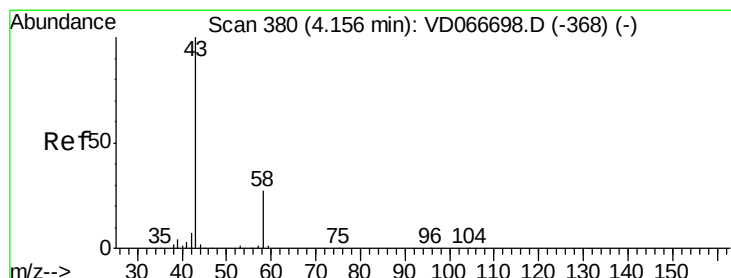
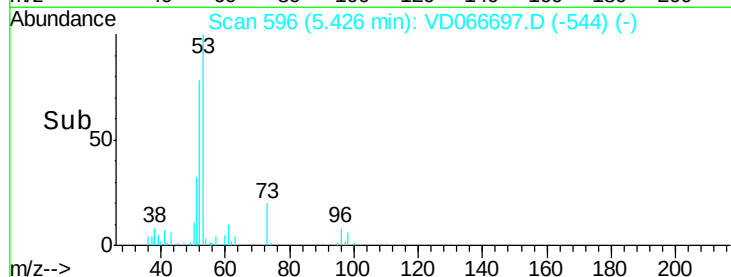
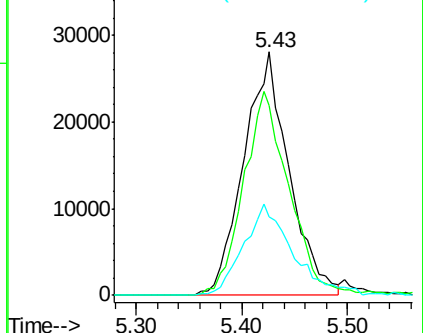
53 100

52 84.1 66.6 99.8

51 40.8 31.0 46.6



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



#16

Acetone

Concen: 95.571 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066697.D

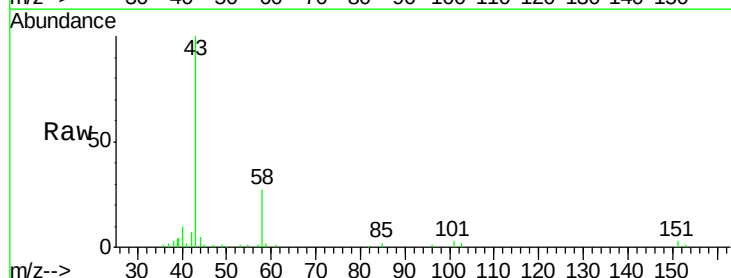
Acq: 15 Sep 2020 14:22

Tgt Ion: 43 Resp: 84723

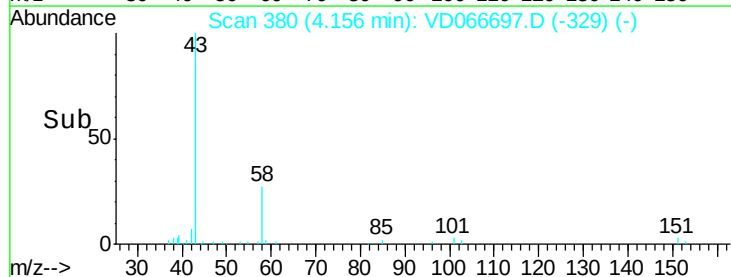
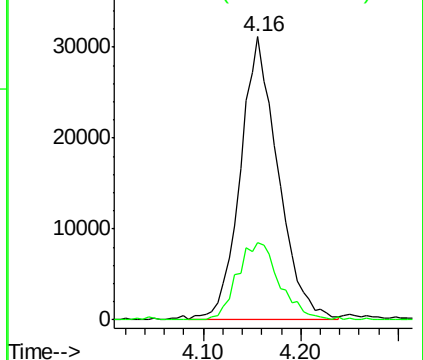
Ion Ratio Lower Upper

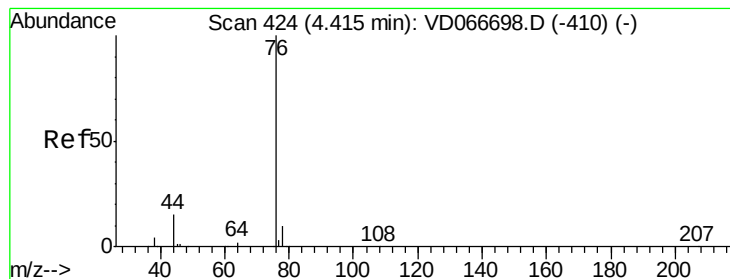
43 100

58 27.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.648 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

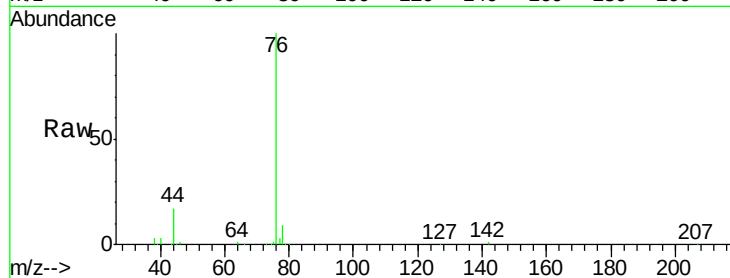
VSTDIC020

Tgt Ion: 76 Resp: 277724

Ion Ratio Lower Upper

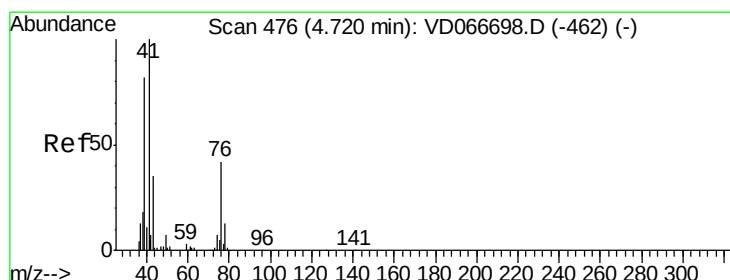
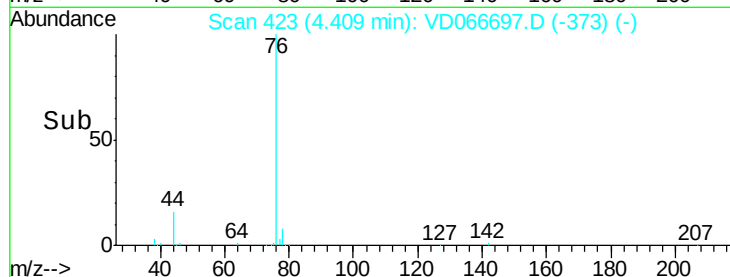
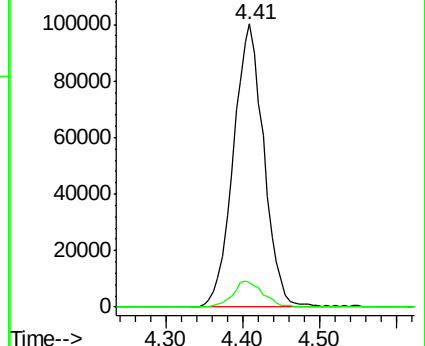
76 100

78 8.8 8.0 12.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.029 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066697.D

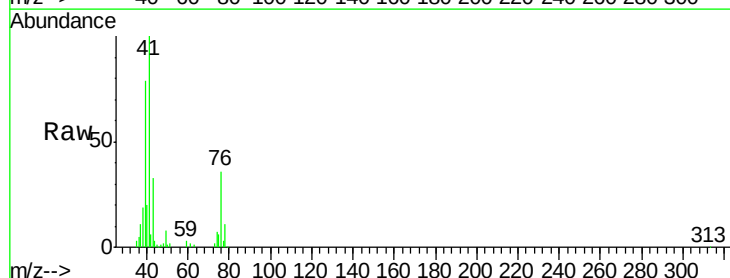
Acq: 15 Sep 2020 14:22

Tgt Ion: 43 Resp: 40721

Ion Ratio Lower Upper

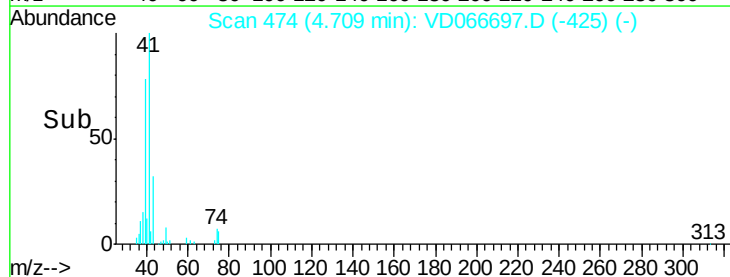
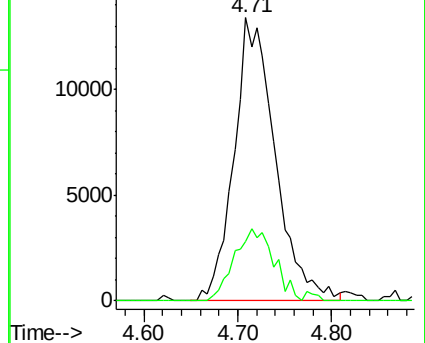
43 100

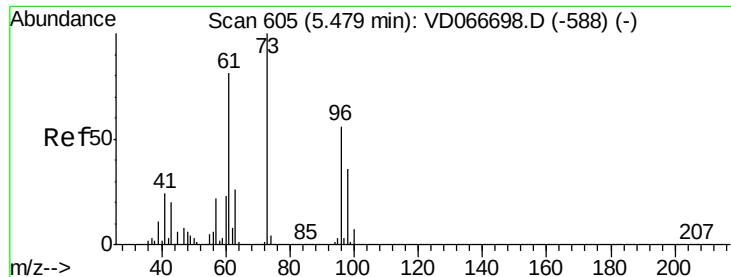
74 24.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



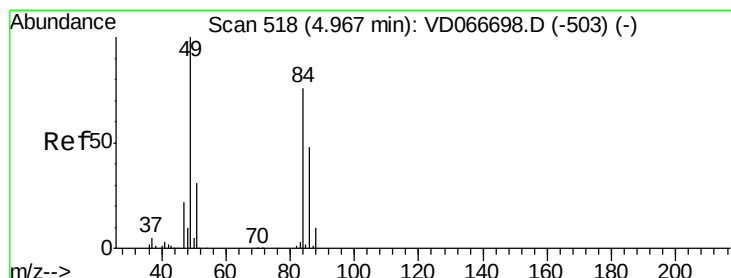
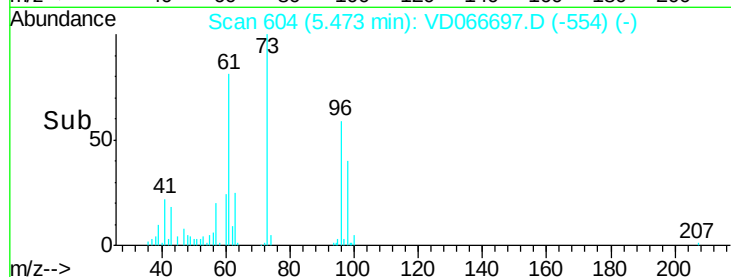
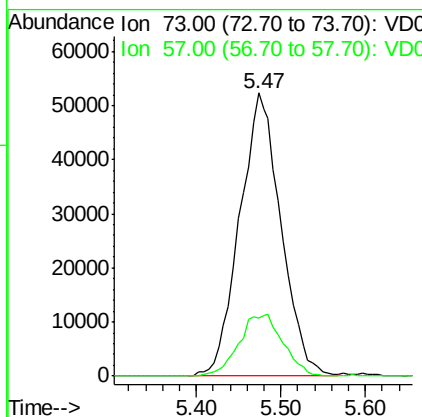
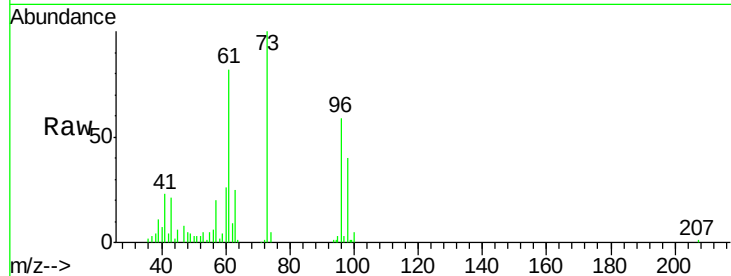


#19

Methyl tert-butyl Ether
Concen: 19.506 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

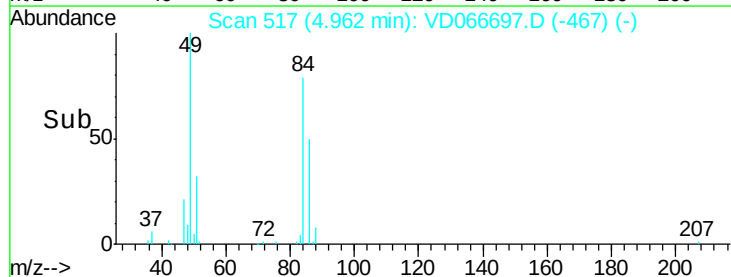
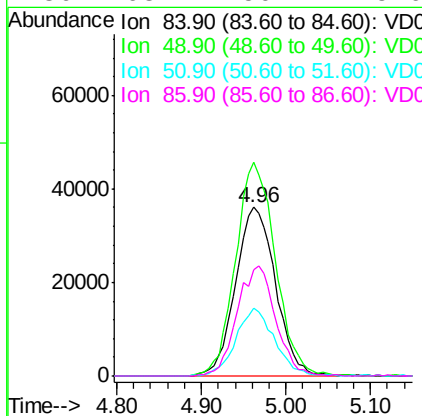
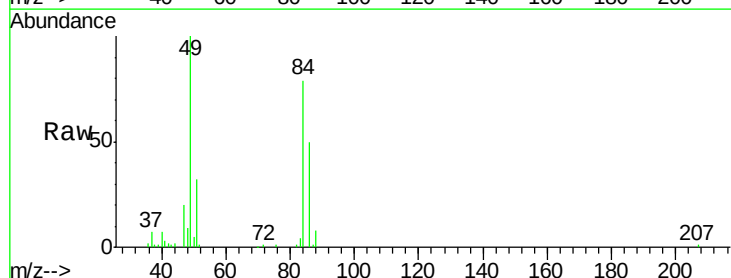
Tgt Ion: 73 Resp: 177376
Ion Ratio Lower Upper
73 100
57 20.4 17.8 26.6

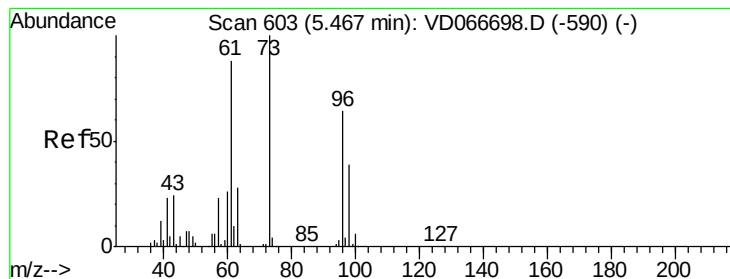


#20

Methylene Chloride
Concen: 19.685 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 84 Resp: 118193
Ion Ratio Lower Upper
84 100
49 126.8 105.0 157.6
51 40.0 32.2 48.4
86 63.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.491 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

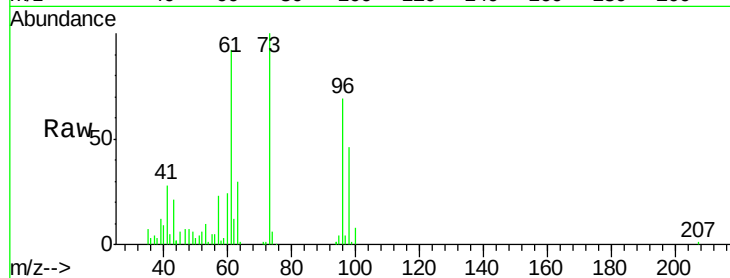
Tgt Ion: 96 Resp: 97464

Ion Ratio Lower Upper

96 100

61 133.8 110.6 166.0

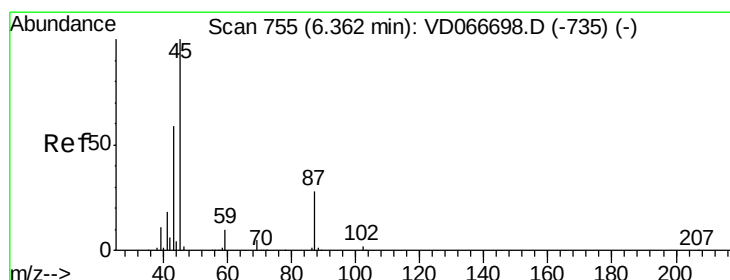
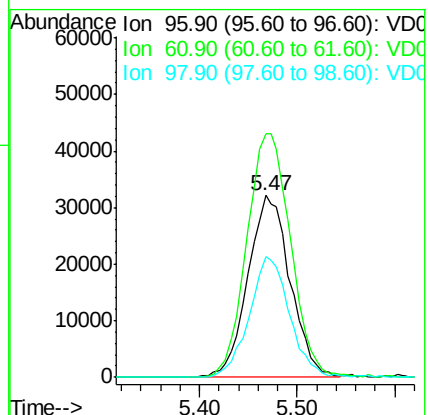
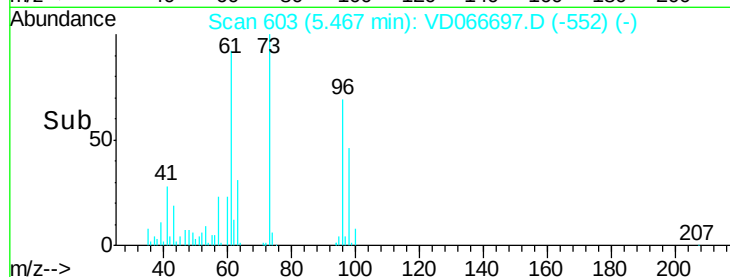
98 66.7 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.672 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion: 45 Resp: 275395

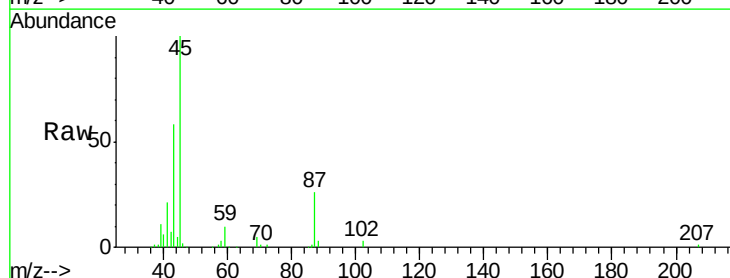
Ion Ratio Lower Upper

45 100

43 57.1 46.9 70.3

87 25.8 22.4 33.6

59 9.6 8.5 12.7

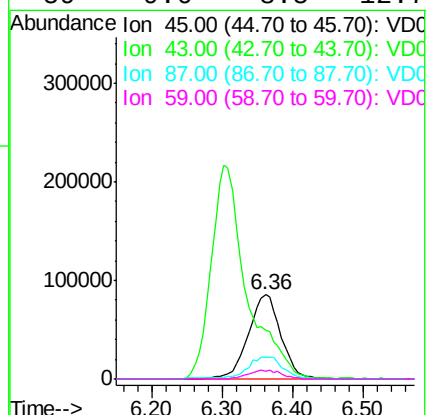
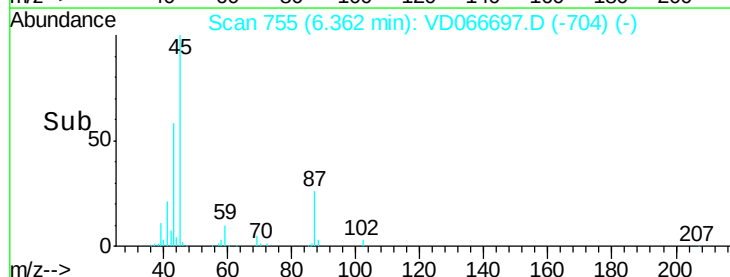


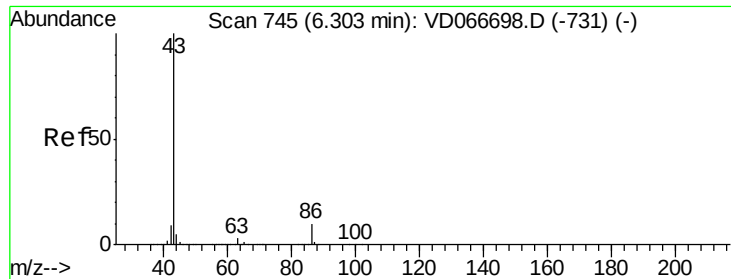
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 101.989 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

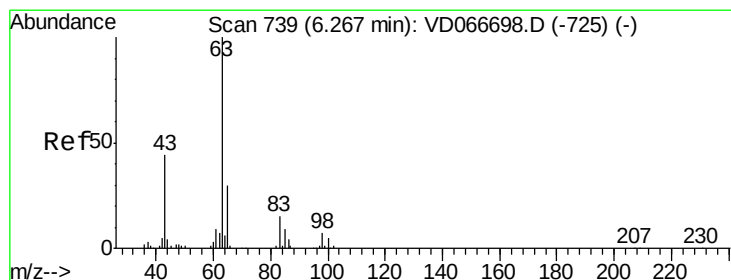
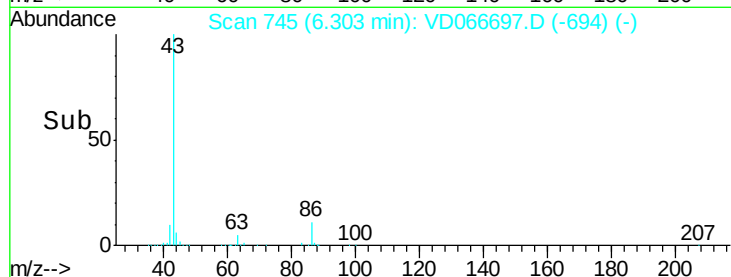
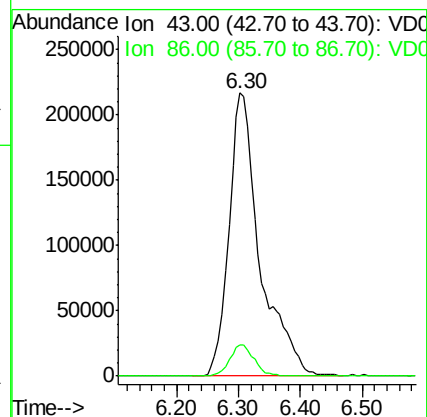
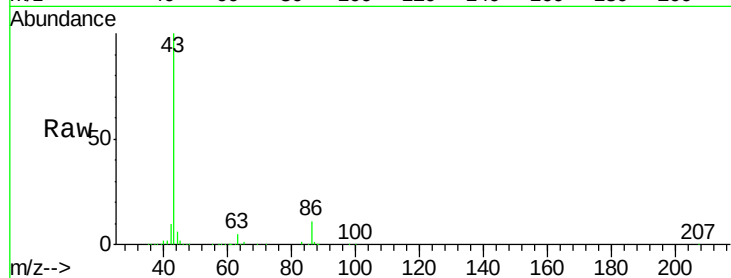
VSTDIC020

Tgt Ion: 43 Resp: 755787

Ion Ratio Lower Upper

43 100

86 11.0 7.8 11.8



#24

1,1-Dichloroethane

Concen: 20.131 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

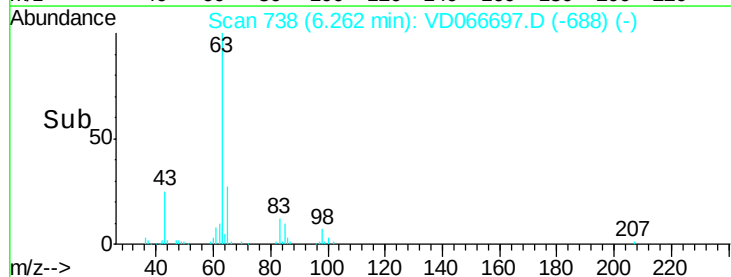
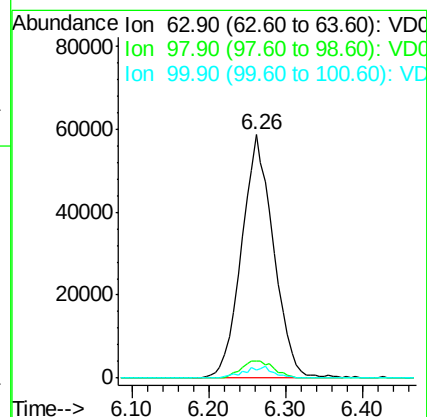
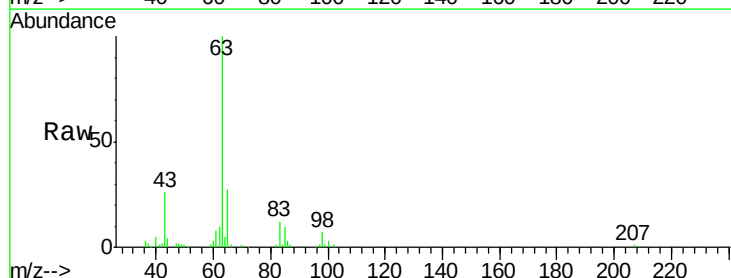
Tgt Ion: 63 Resp: 170184

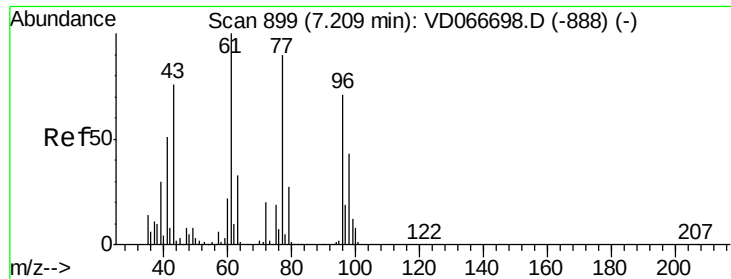
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 3.3 2.6 8.0

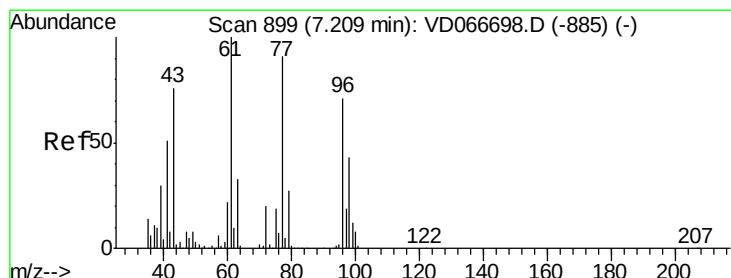
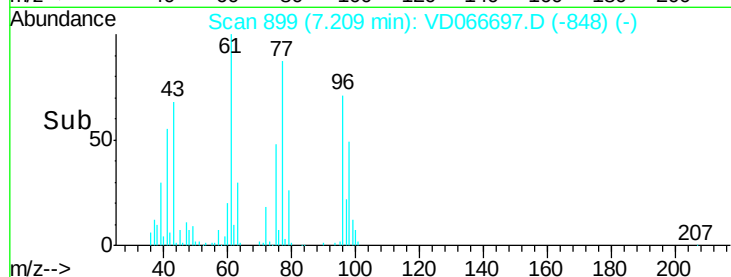
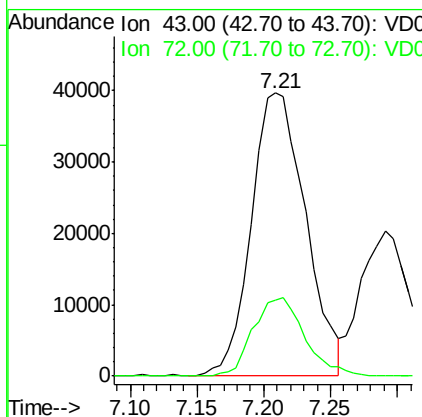
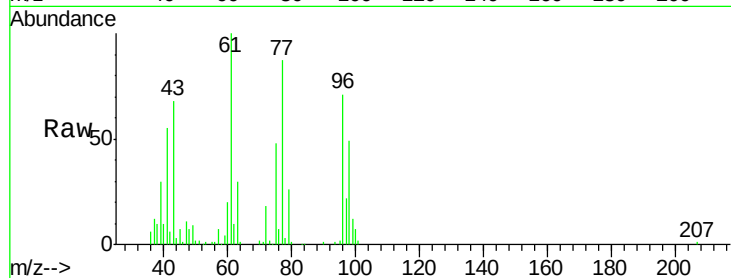




#25
2-Butanone
Concen: 97.061 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

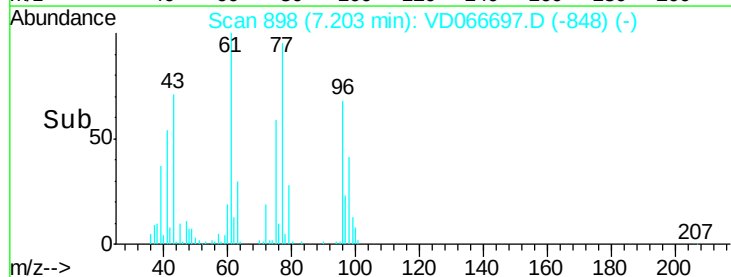
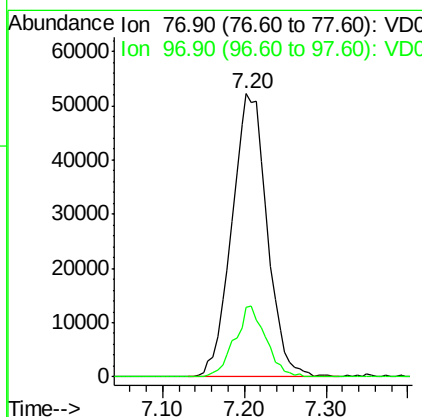
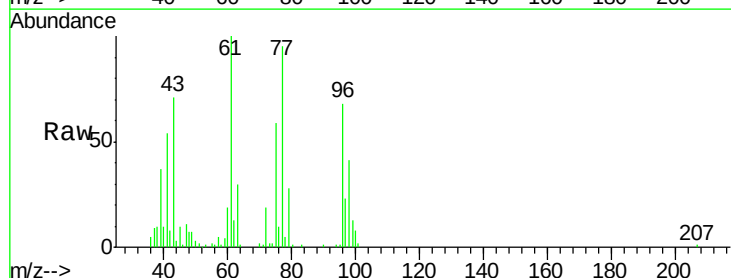
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

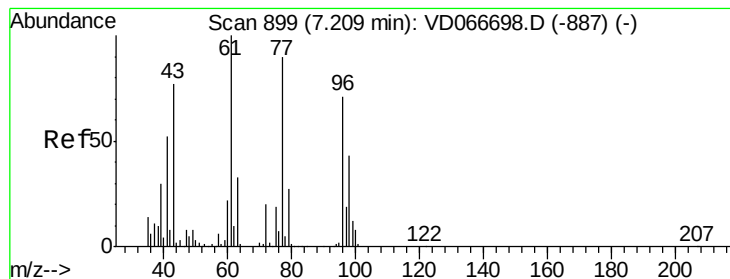
Tgt Ion: 43 Resp: 112042
Ion Ratio Lower Upper
43 100
72 26.9 21.0 31.4



#26
2,2-Dichloropropane
Concen: 20.044 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 77 Resp: 156691
Ion Ratio Lower Upper
77 100
97 22.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 19.985 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

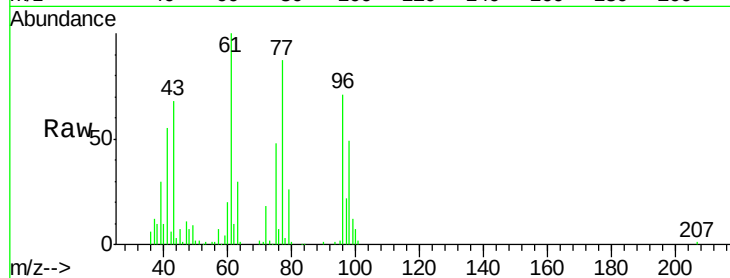
Tgt Ion: 96 Resp: 103992

Ion Ratio Lower Upper

96 100

61 148.3 0.0 292.4

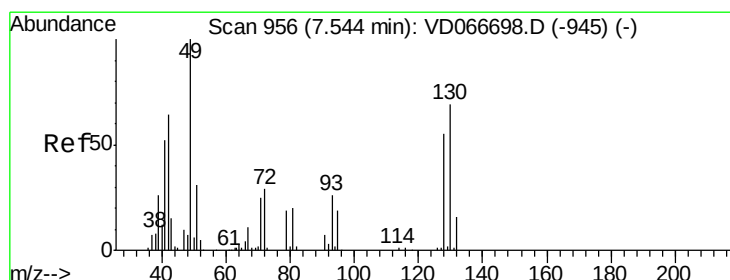
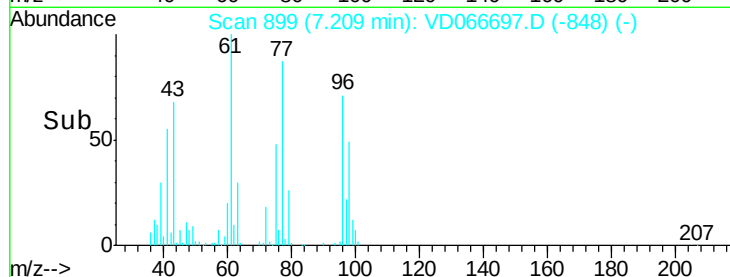
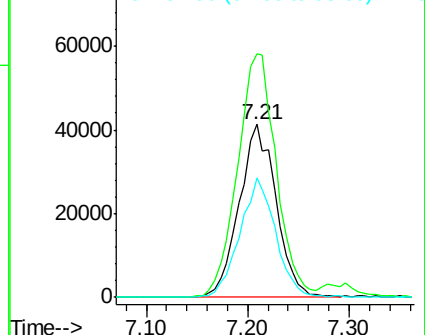
98 67.0 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 21.636 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

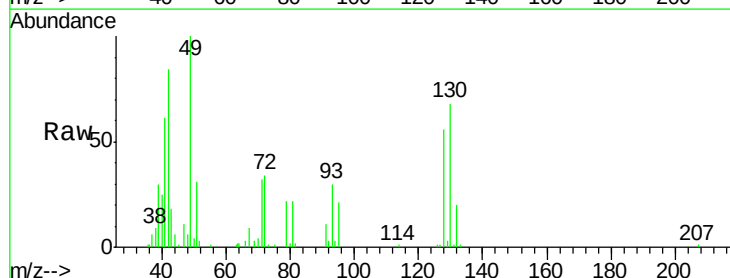
Tgt Ion: 49 Resp: 68320

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

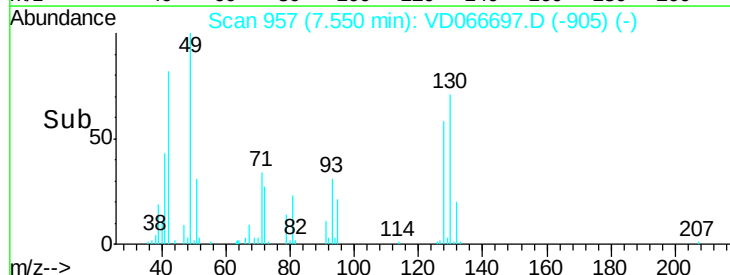
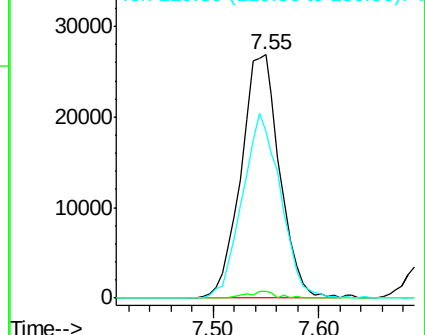
130 75.0 58.6 88.0

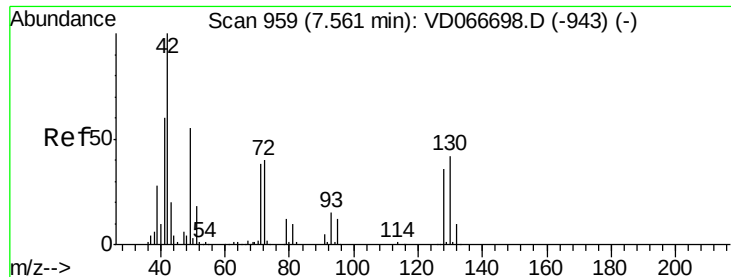


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

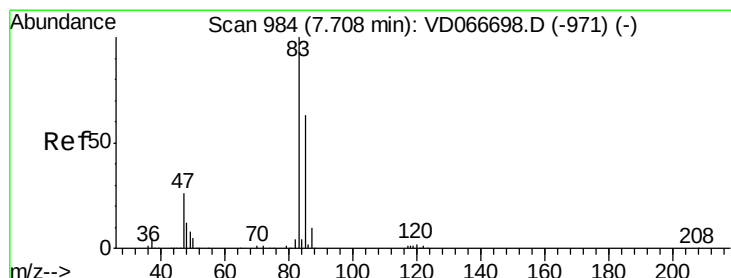
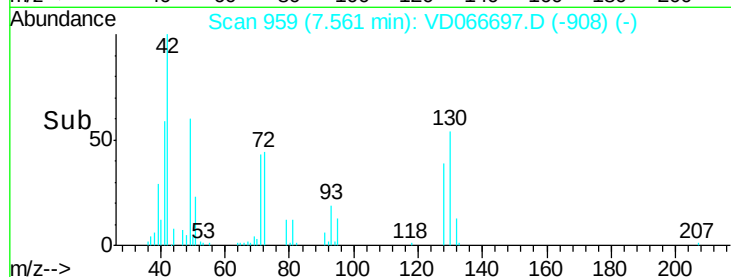
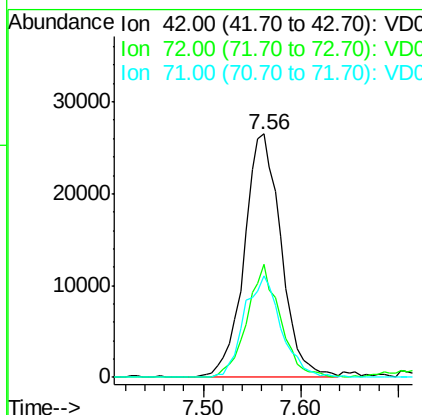
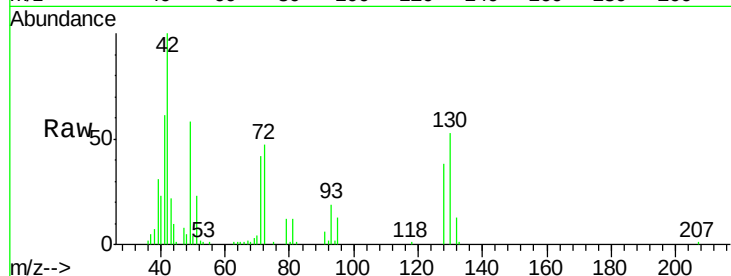




#29
Tetrahydrofuran
Concen: 98.997 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

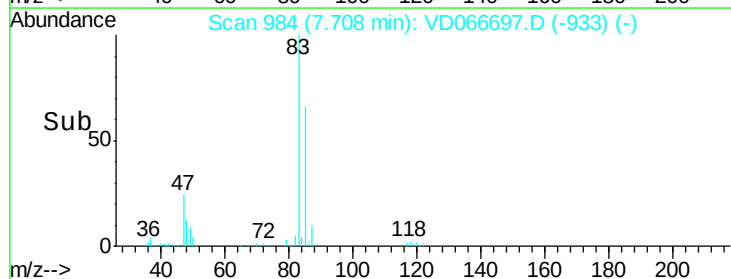
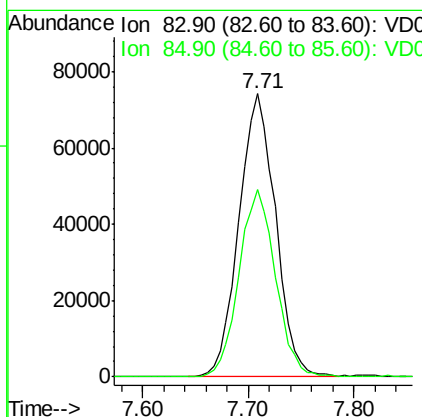
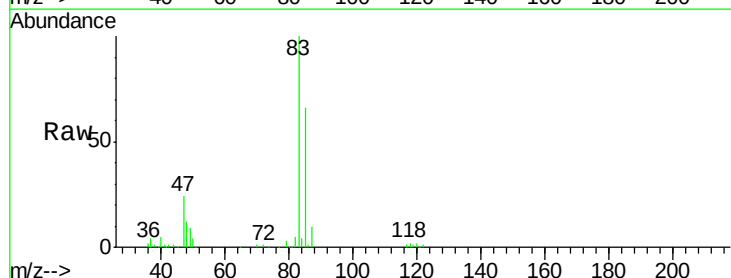
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

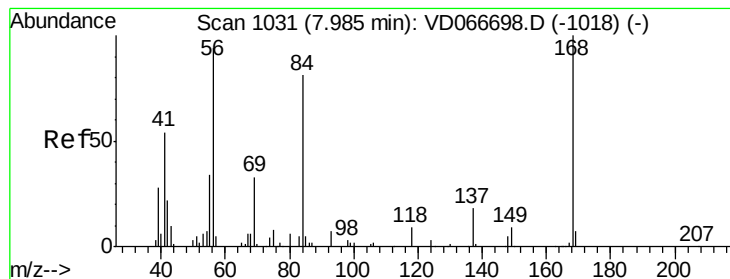
Tgt Ion: 42 Resp: 69918
Ion Ratio Lower Upper
42 100
72 41.6 32.6 48.8
71 41.6 30.6 45.8



#30
Chloroform
Concen: 19.881 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 83 Resp: 178881
Ion Ratio Lower Upper
83 100
85 66.2 50.6 76.0





#31

Cyclohexane

Concen: 20.097 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

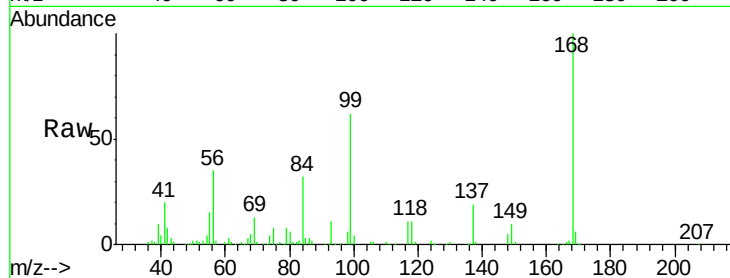
Tgt Ion: 56 Resp: 154538

Ion Ratio Lower Upper

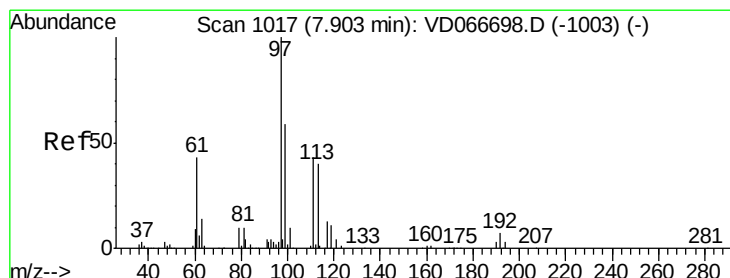
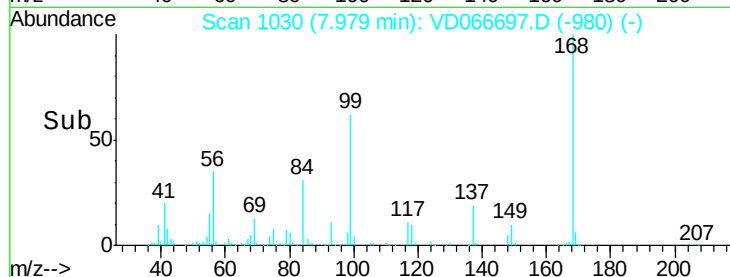
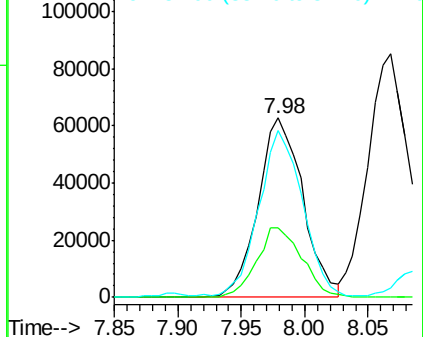
56 100

69 38.6 27.7 41.5

84 91.5 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 19.968 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

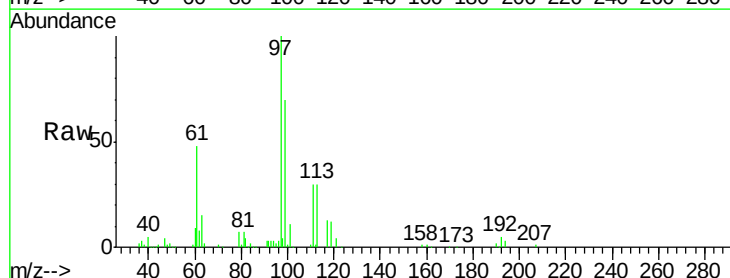
Tgt Ion: 97 Resp: 164398

Ion Ratio Lower Upper

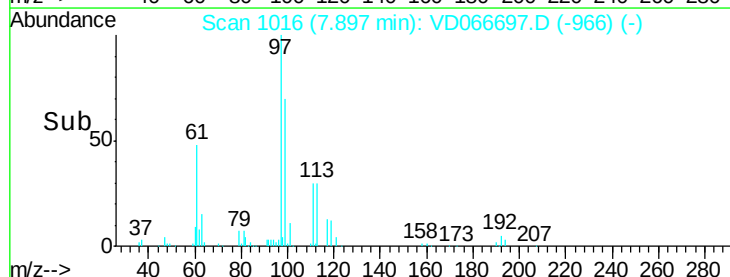
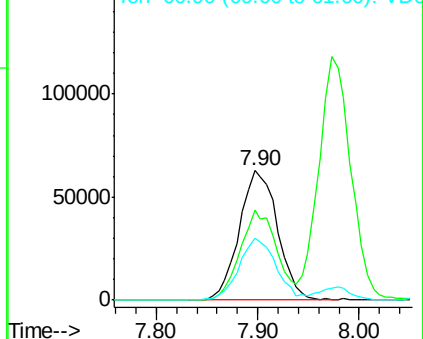
97 100

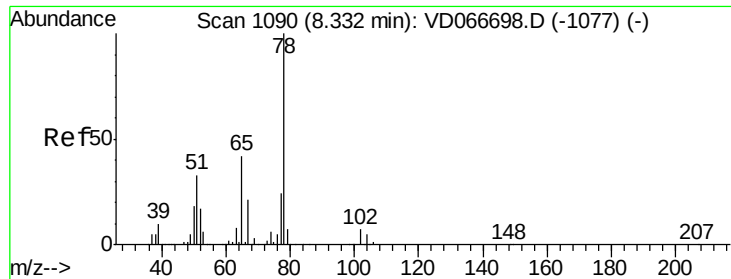
99 66.6 51.0 76.4

61 46.5 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

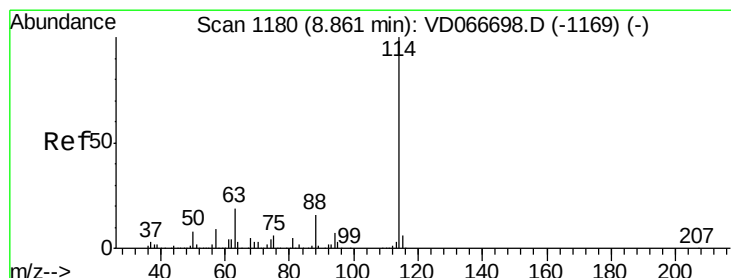
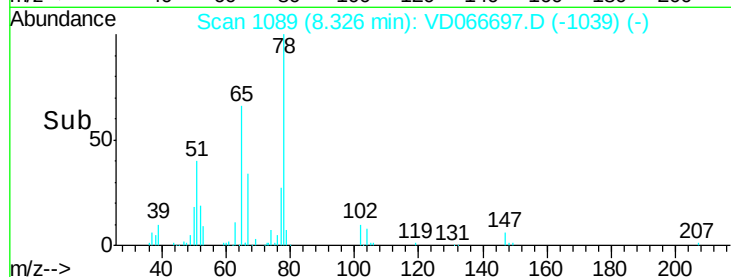
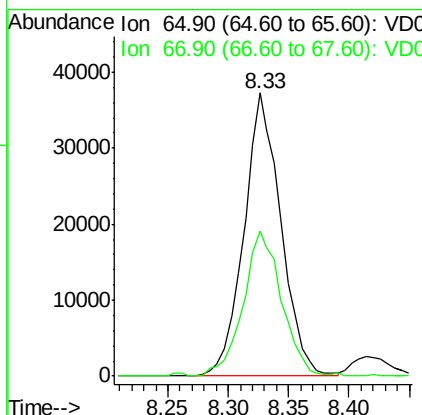
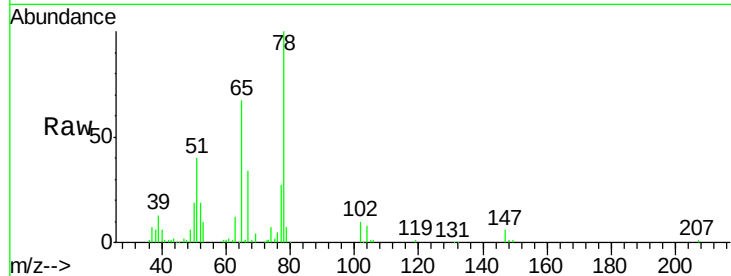




#33
 1,2-Dichloroethane-d4
 Concen: 18.269 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

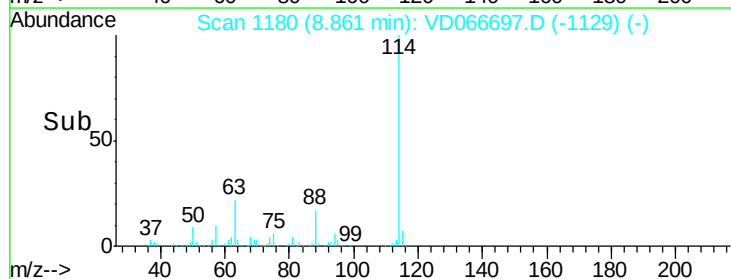
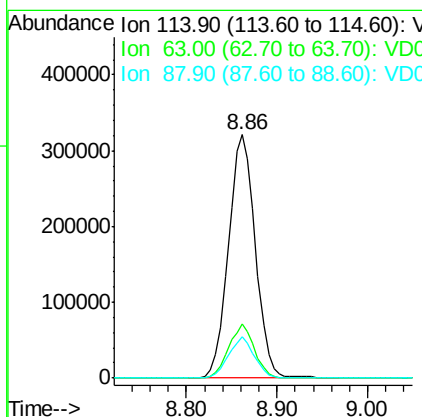
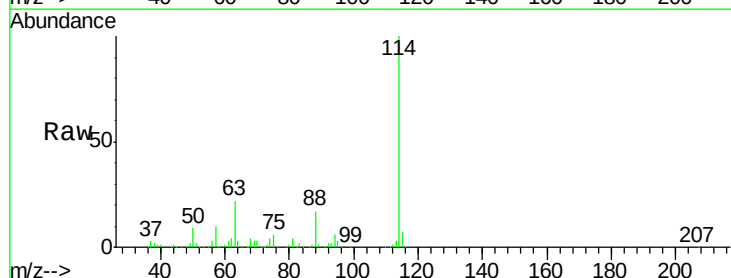
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

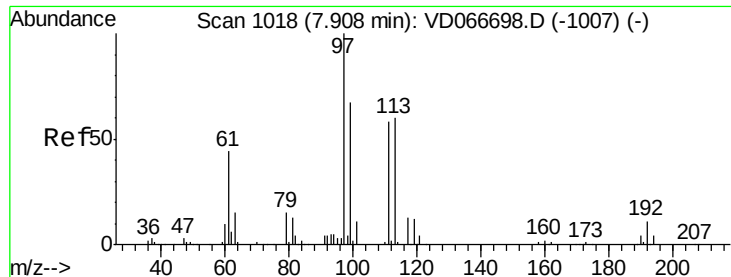
Tgt Ion: 65 Resp: 79529
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 114 Resp: 660953
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 37.6
 88 16.9 0.0 32.2

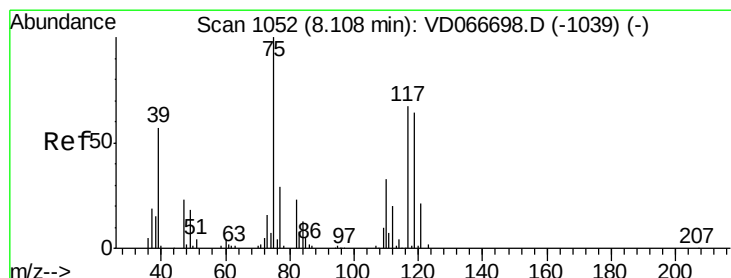
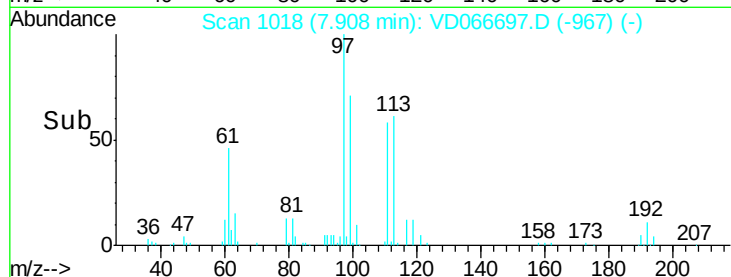
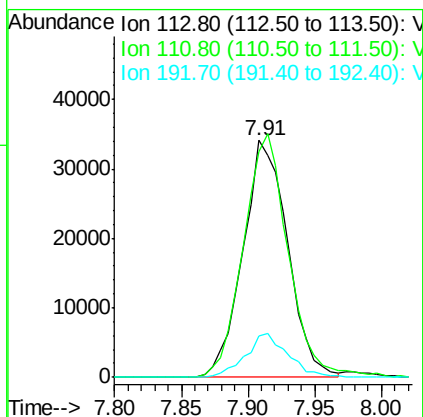
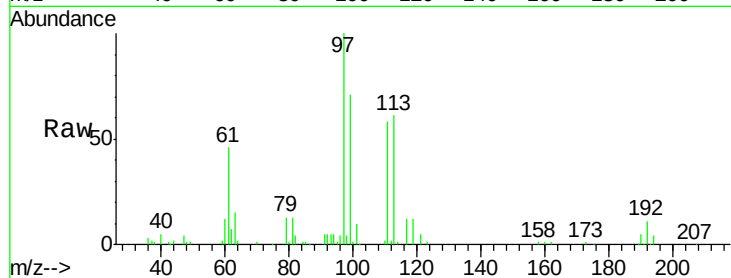




#35
 Dibromofluoromethane
 Concen: 19.537 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

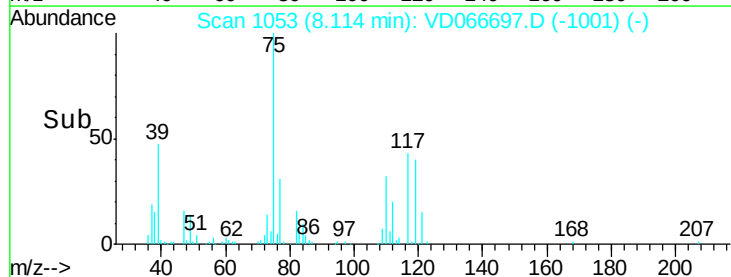
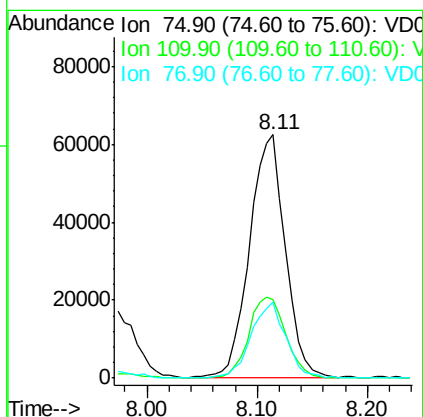
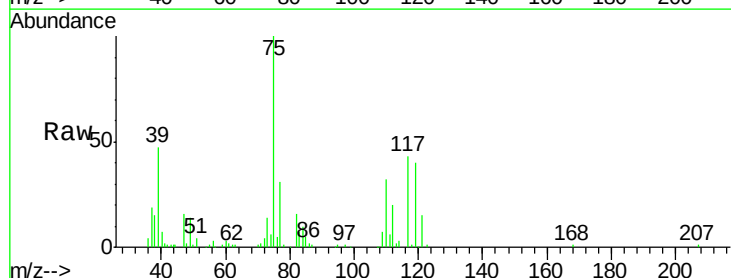
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

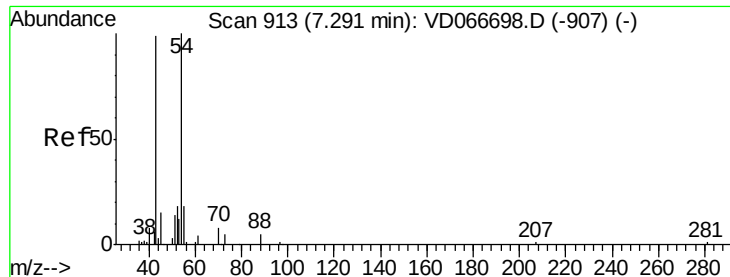
Tgt Ion: 113 Resp: 79170
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.2 124.8
 192 17.5 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 20.873 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 75 Resp: 141846
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.1 51.2
 77 30.6 25.0 37.6

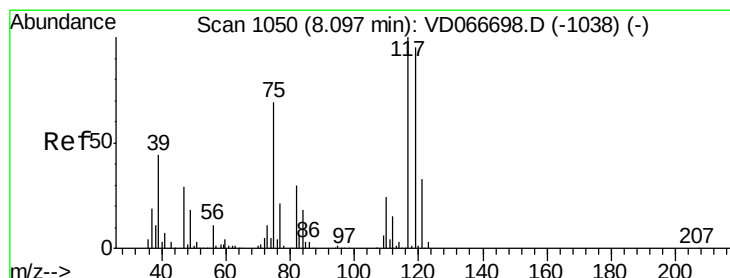
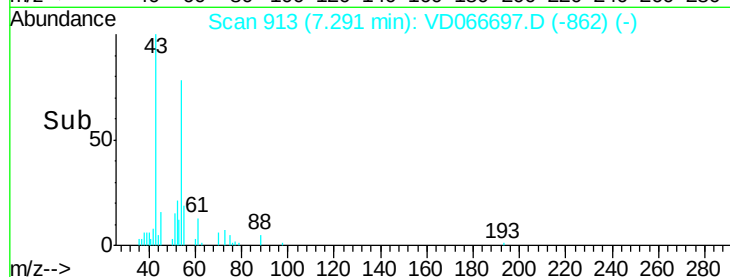
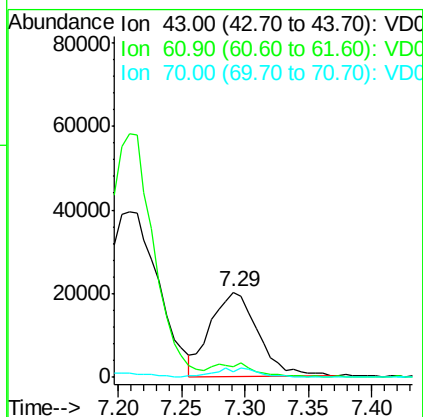
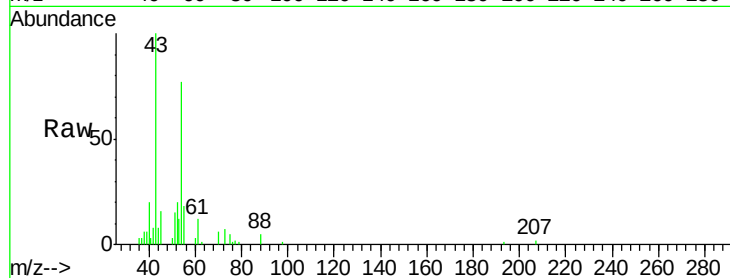




#37
 Ethyl Acetate
 Concen: 20.270 ug/l
 RT: 7.29 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

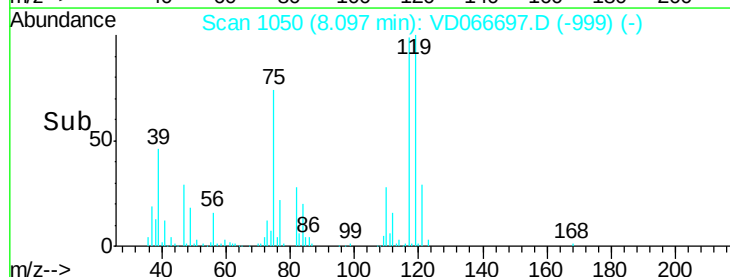
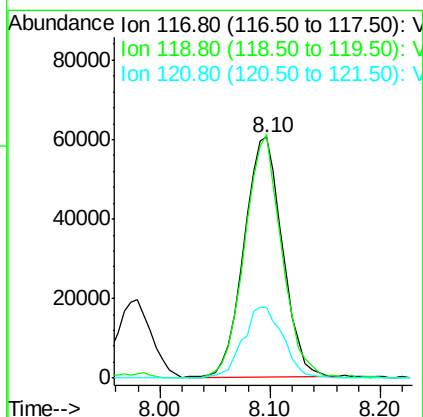
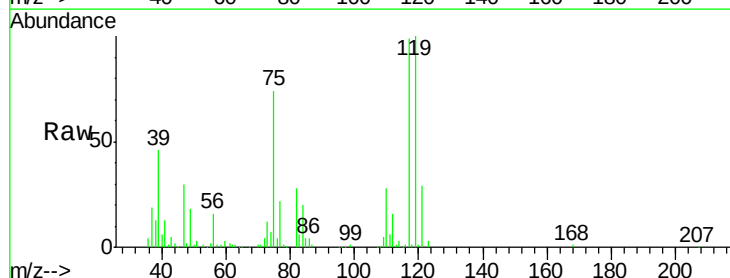
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

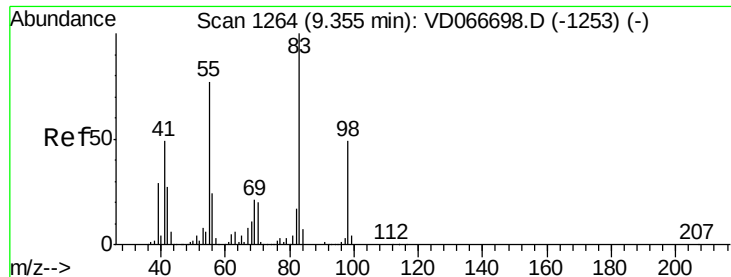
Tgt Ion: 43 Resp: 52146
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.4 15.6
 70 3.8 7.5 11.3#



#38
 Carbon Tetrachloride
 Concen: 20.430 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 117 Resp: 147433
 Ion Ratio Lower Upper
 117 100
 119 101.7 75.8 113.6
 121 29.3 26.2 39.4

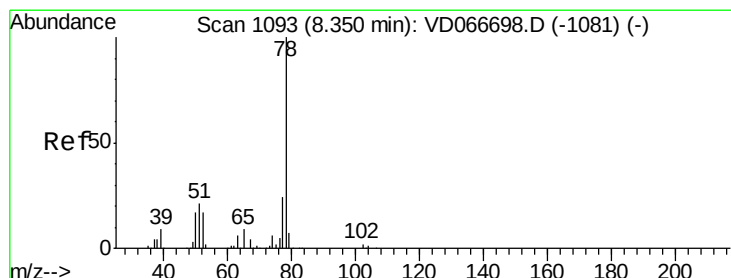
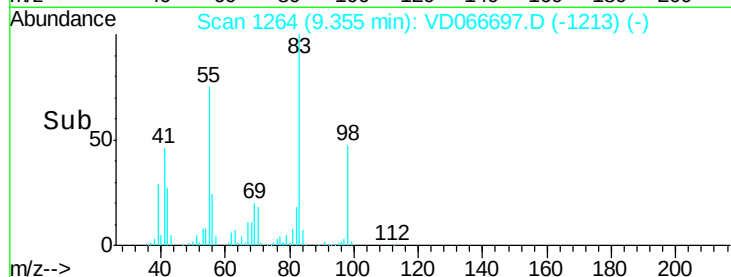
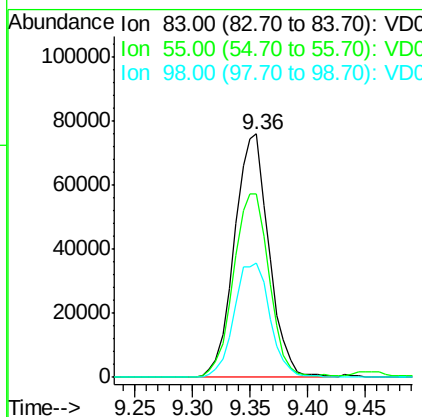
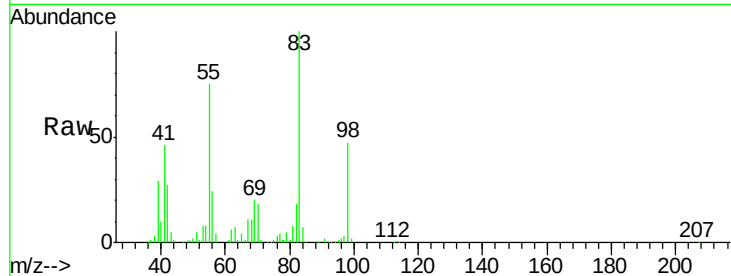




#39
Methylcyclohexane
Concen: 20.251 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

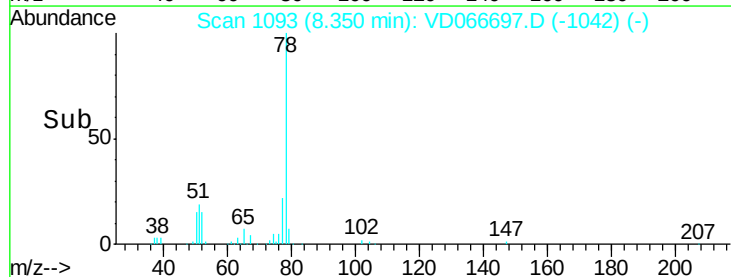
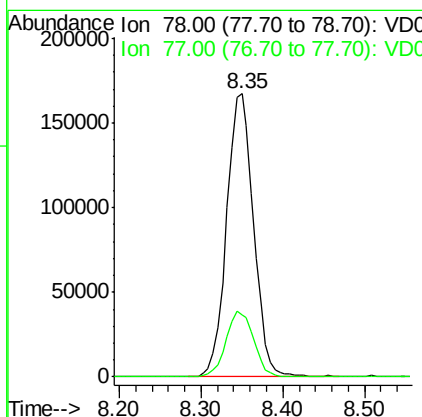
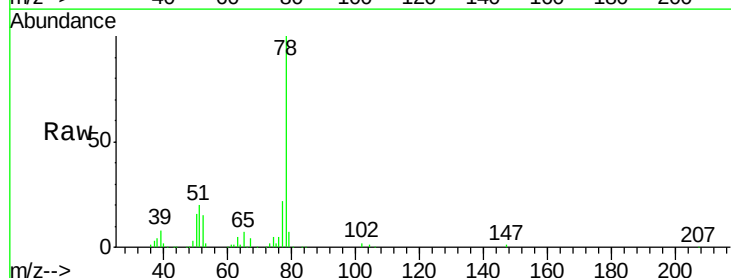
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

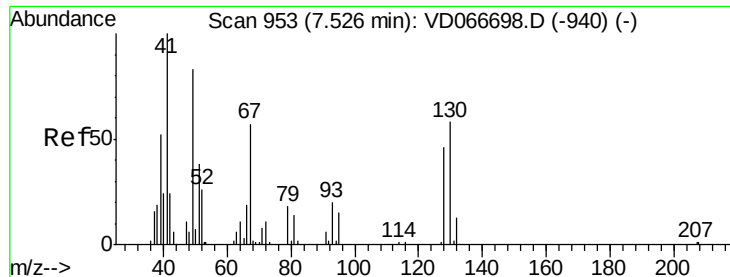
Tgt Ion: 83 Resp: 157412
Ion Ratio Lower Upper
83 100
55 75.2 61.5 92.3
98 47.1 39.3 58.9



#40
Benzene
Concen: 20.891 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 78 Resp: 384077
Ion Ratio Lower Upper
78 100
77 21.8 19.3 28.9

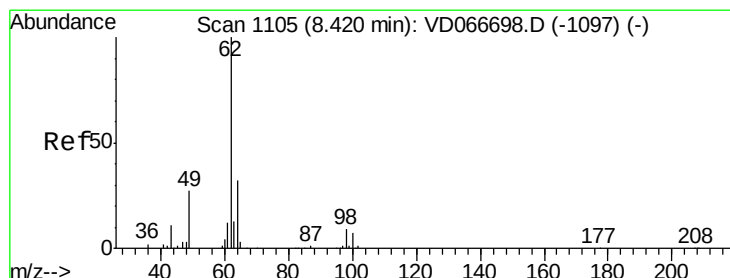
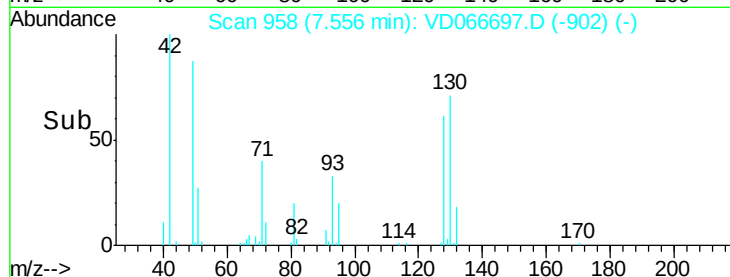
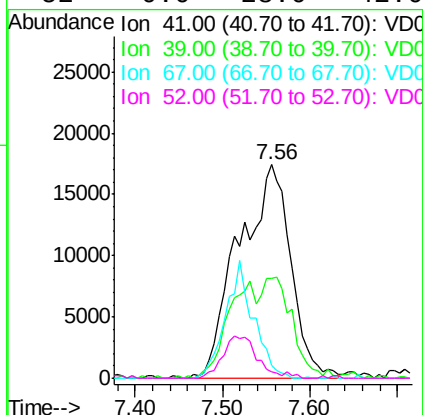
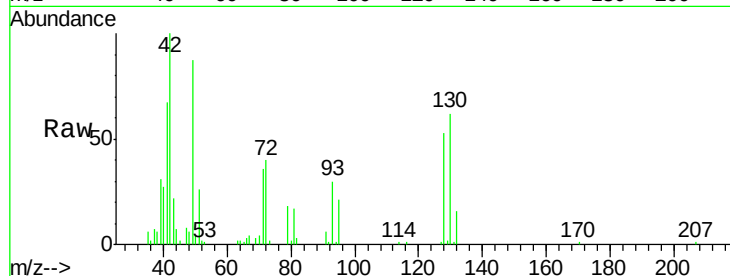




#41
Methacrylonitrile
Concen: 57.070 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

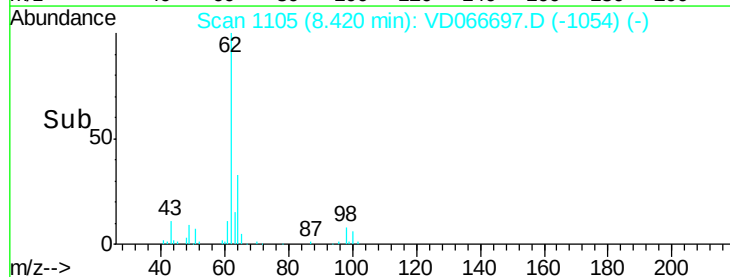
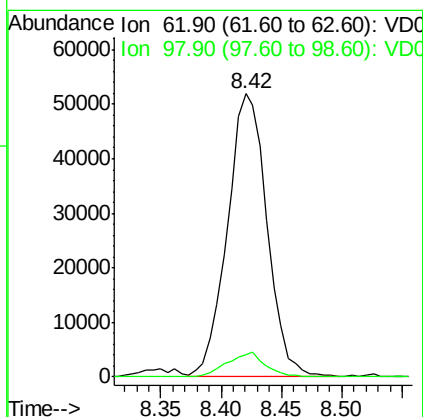
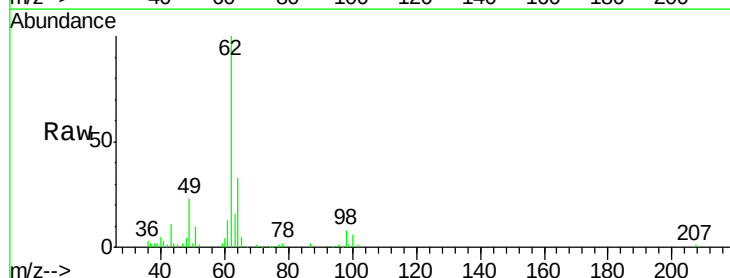
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

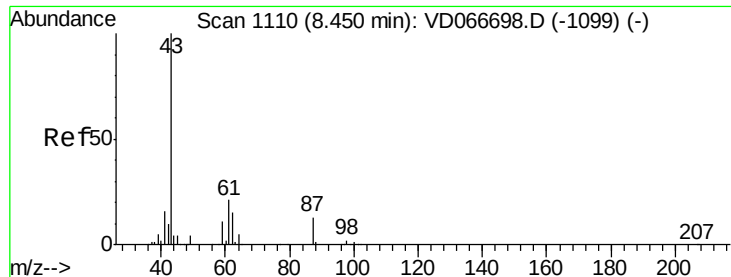
Tgt Ion: 41 Resp: 71084
Ion Ratio Lower Upper
41 100
39 24.9 59.3 88.9#
67 0.0 62.3 93.5#
52 0.0 28.0 42.0#



#42
1,2-Dichloroethane
Concen: 20.727 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 62 Resp: 118055
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.6





#43

Isopropyl Acetate

Concen: 19.543 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

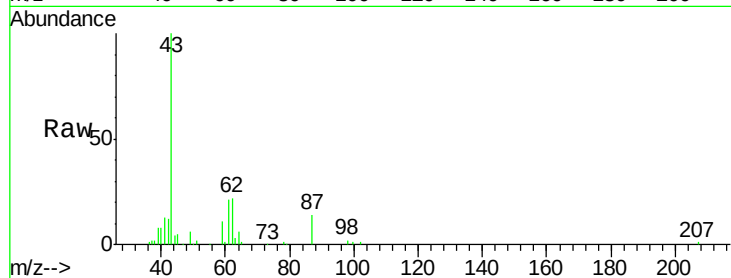
Tgt Ion: 43 Resp: 94632

Ion Ratio Lower Upper

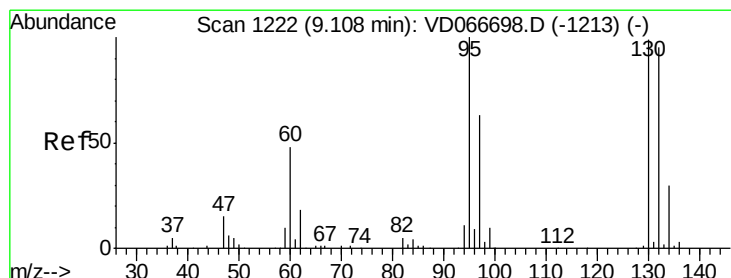
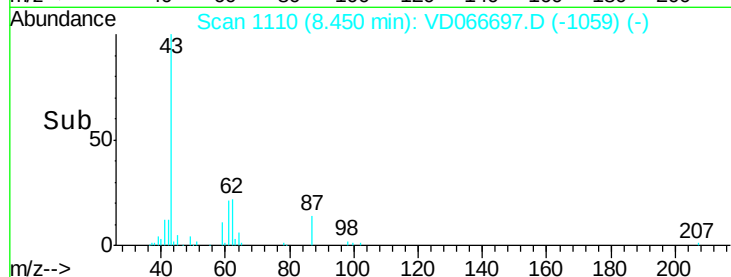
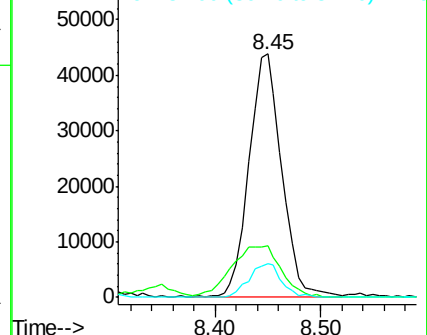
43 100

61 32.1 24.8 37.2

87 13.6 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.408 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066697.D

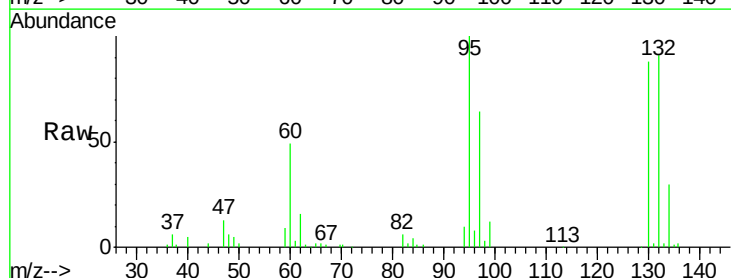
Acq: 15 Sep 2020 14:22

Tgt Ion: 130 Resp: 100316

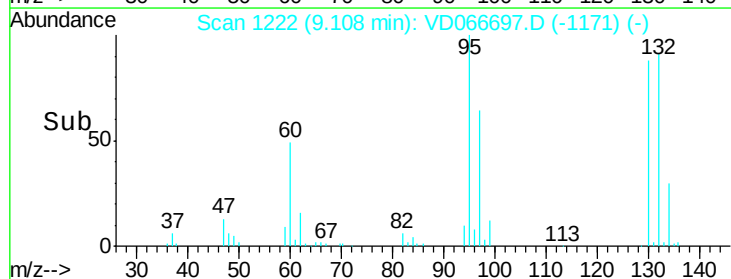
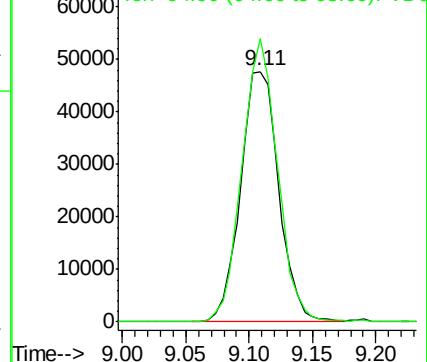
Ion Ratio Lower Upper

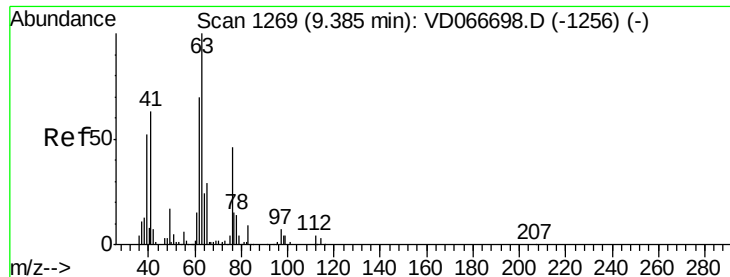
130 100

95 113.1 0.0 201.4



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





#45

1,2-Dichloropropane

Concen: 20.638 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

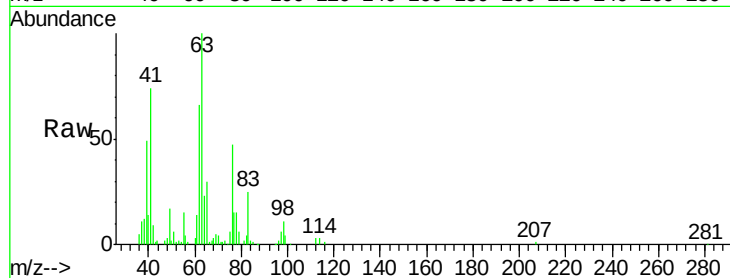
VSTDIC020

Tgt Ion: 63 Resp: 93800

Ion Ratio Lower Upper

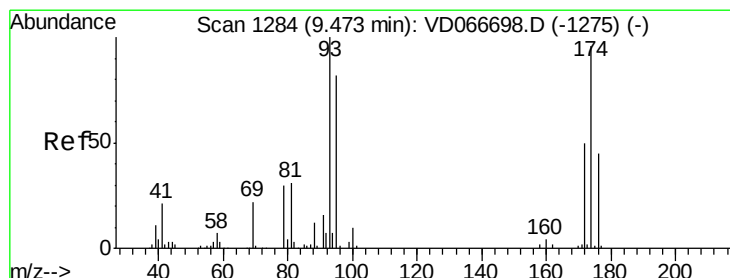
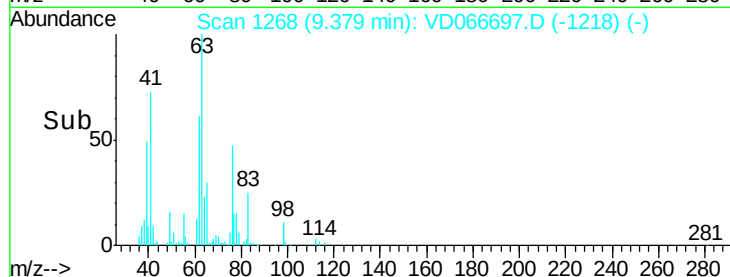
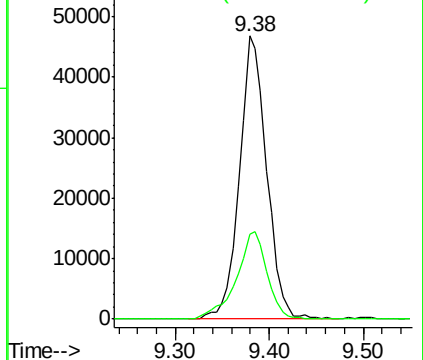
63 100

65 29.9 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.708 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

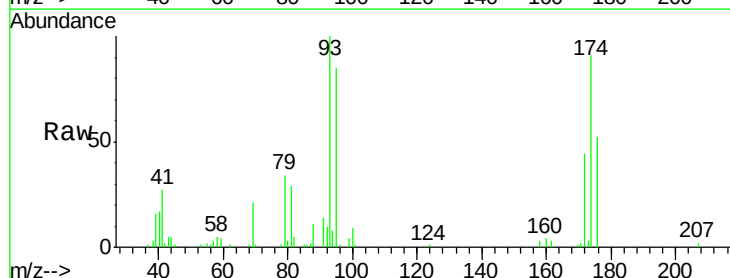
Tgt Ion: 93 Resp: 51718

Ion Ratio Lower Upper

93 100

95 79.0 66.0 99.0

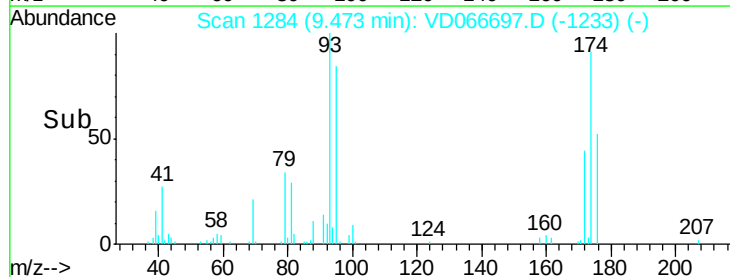
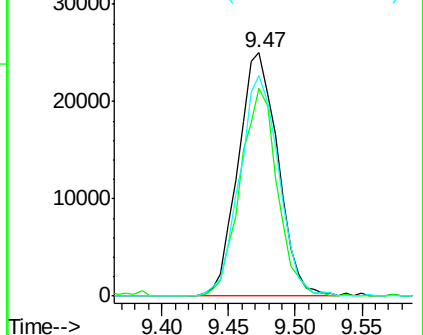
174 89.3 72.3 108.5

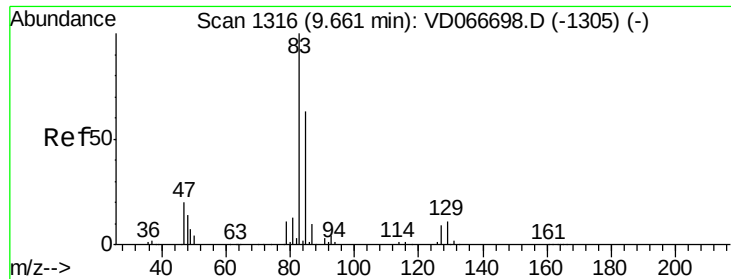


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.795 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

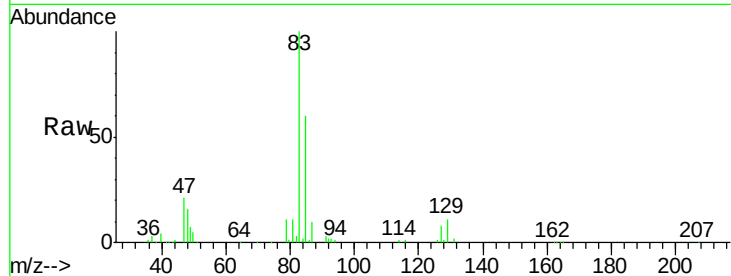
Tgt Ion: 83 Resp: 141518

Ion Ratio Lower Upper

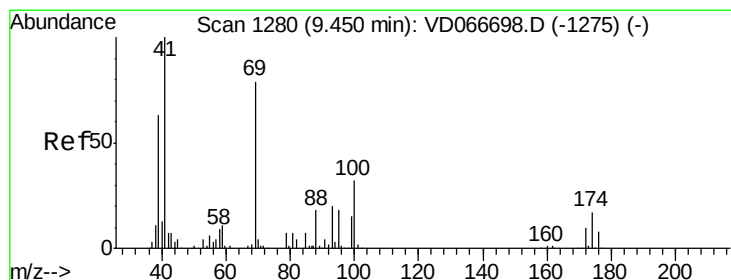
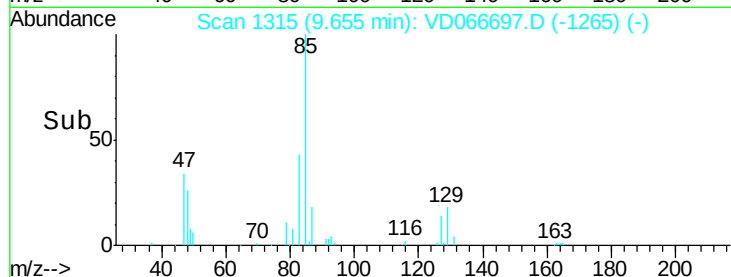
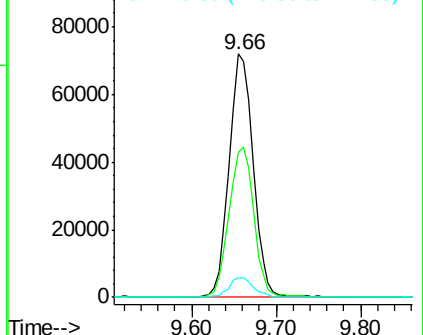
83 100

85 59.7 50.1 75.1

127 8.3 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.097 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

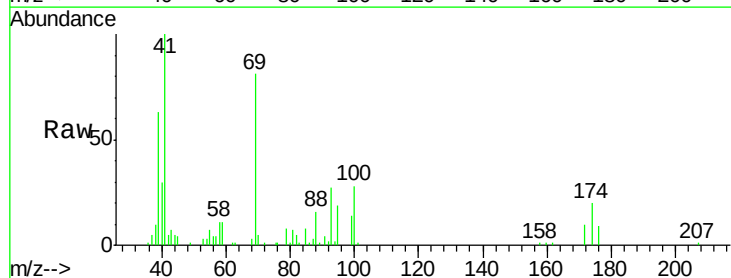
Tgt Ion: 41 Resp: 44574

Ion Ratio Lower Upper

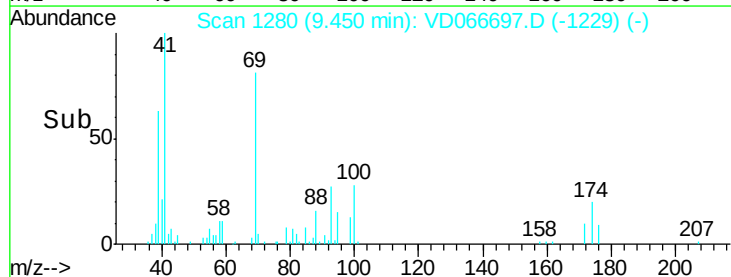
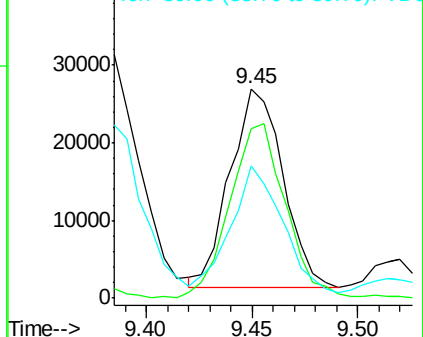
41 100

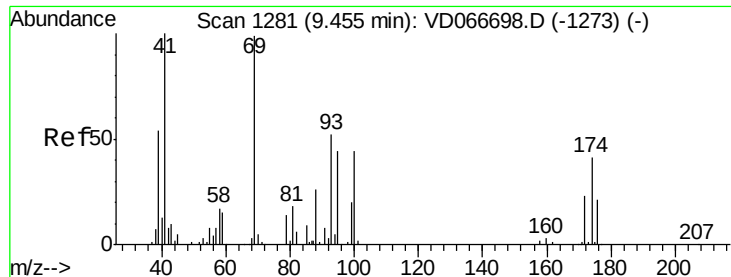
69 92.2 62.4 93.6

39 61.8 44.8 67.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

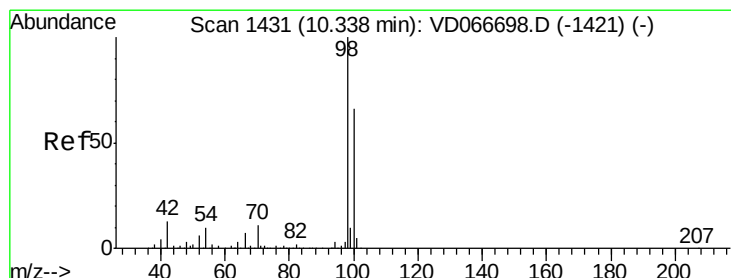
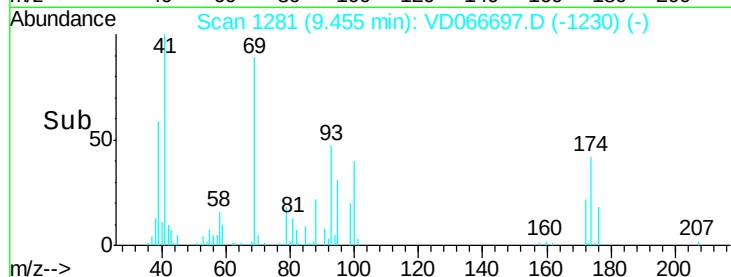
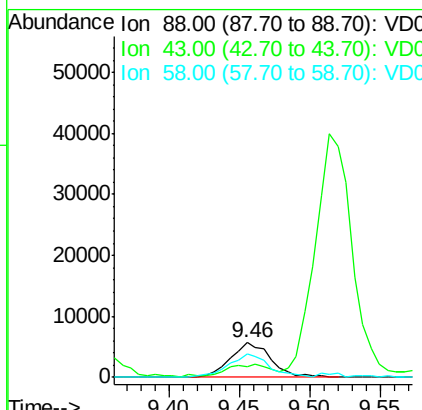
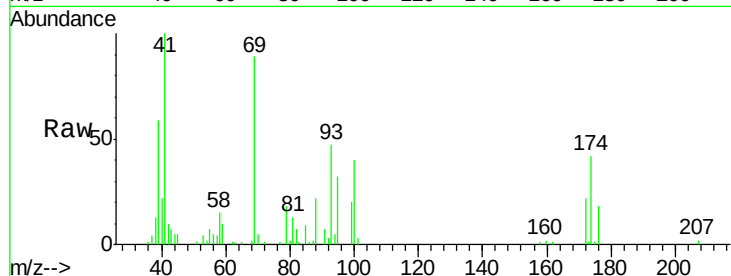




#49
 1,4-Dioxane
 Concen: 422.678 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

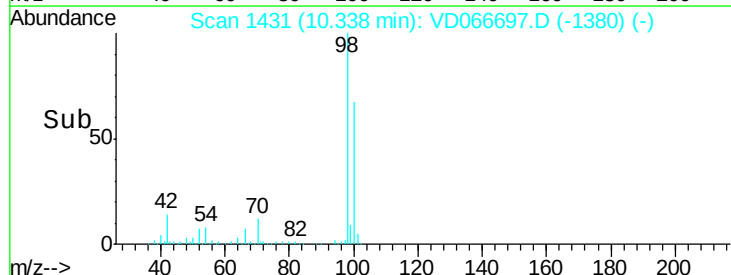
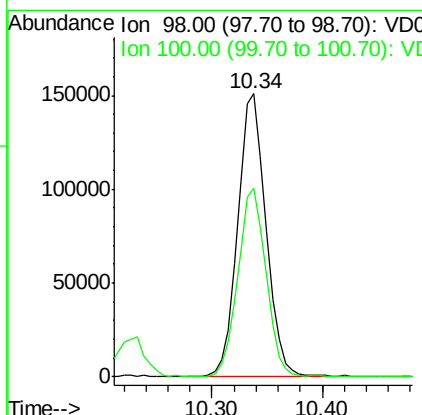
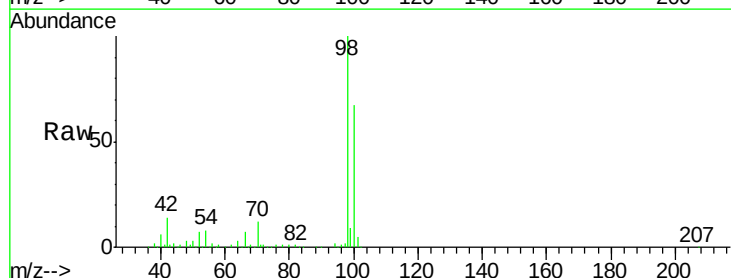
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

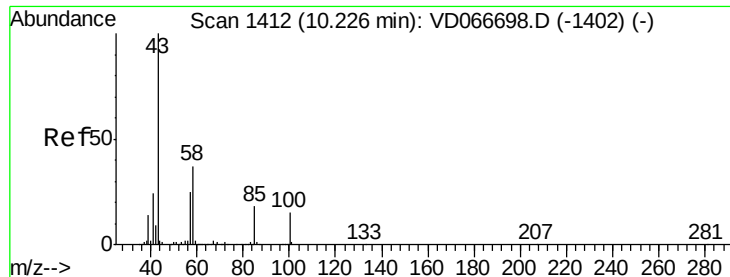
Tgt Ion: 88 Resp: 11308
 Ion Ratio Lower Upper
 88 100
 43 44.1 29.3 43.9#
 58 68.6 51.4 77.2



#50
 Toluene-d8
 Concen: 18.917 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 98 Resp: 273114
 Ion Ratio Lower Upper
 98 100
 100 66.5 52.7 79.1

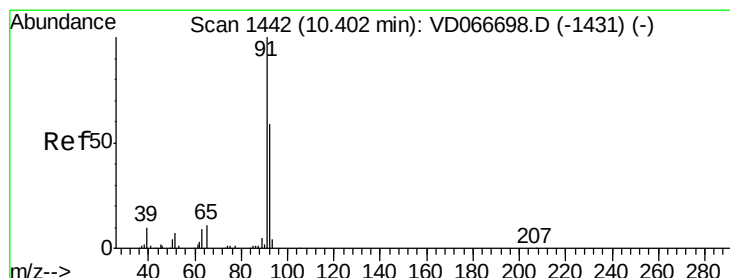
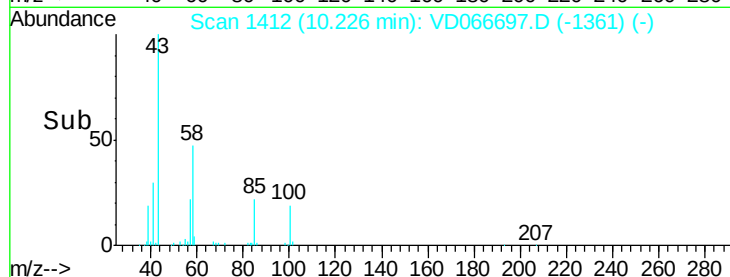
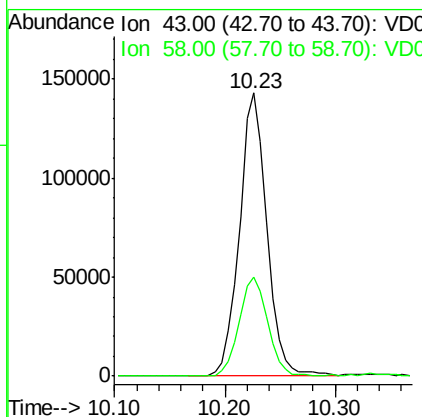
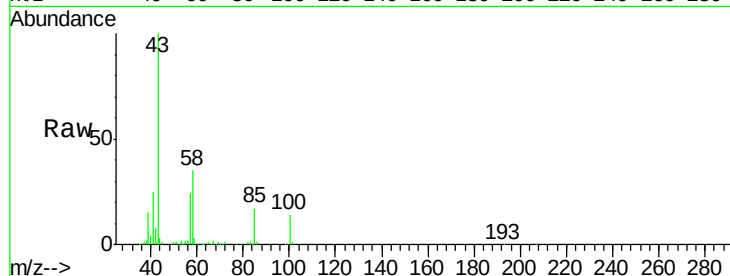




#51
 4-Methyl-2-Pentanone
 Concen: 100.337 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

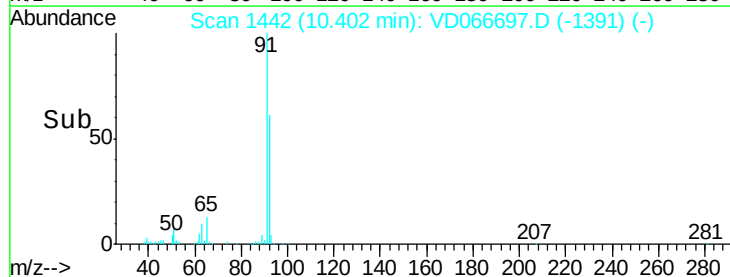
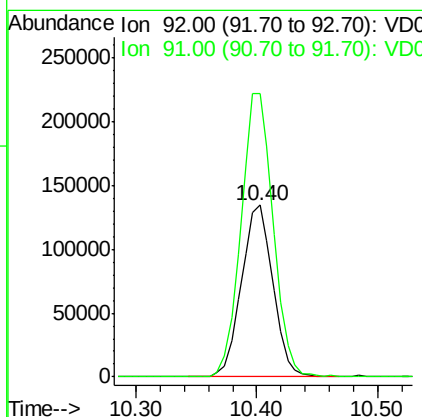
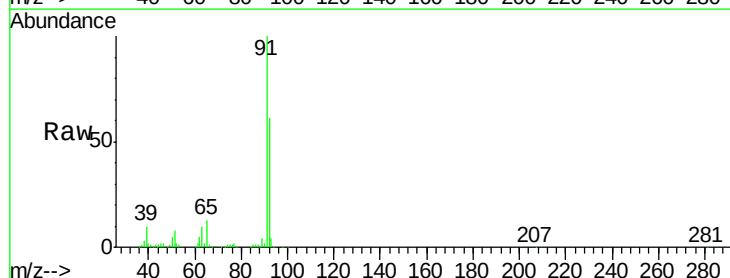
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

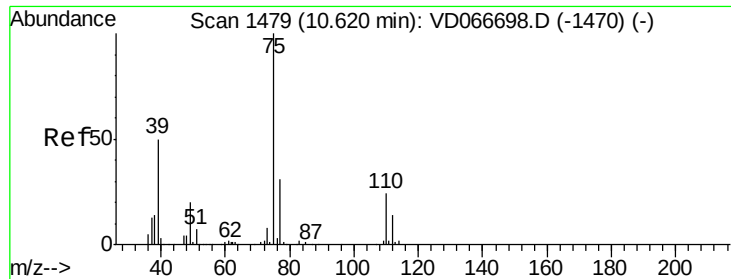
Tgt Ion: 43 Resp: 250135
 Ion Ratio Lower Upper
 43 100
 58 36.5 30.4 45.6



#52
 Toluene
 Concen: 20.817 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 92 Resp: 245172
 Ion Ratio Lower Upper
 92 100
 91 167.9 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 20.044 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

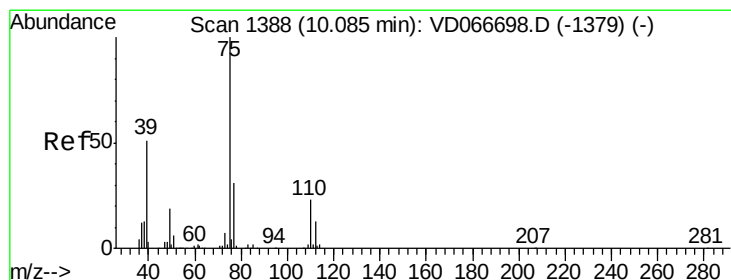
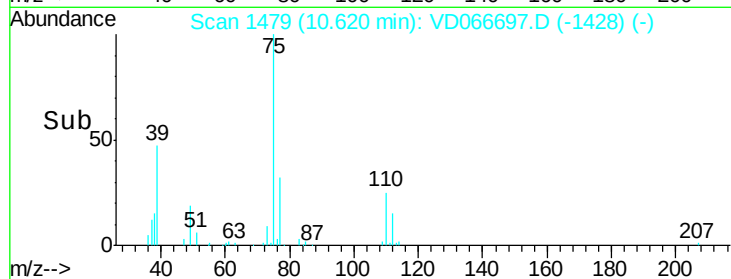
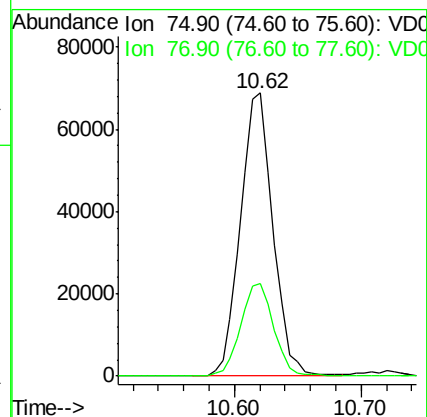
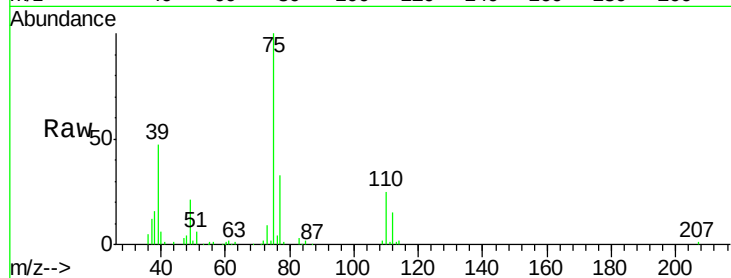
VSTDIC020

Tgt Ion: 75 Resp: 121858

Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 20.626 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

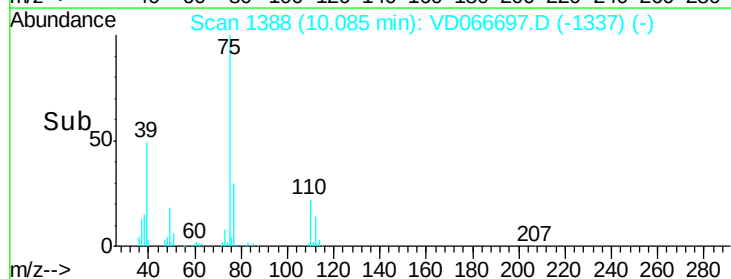
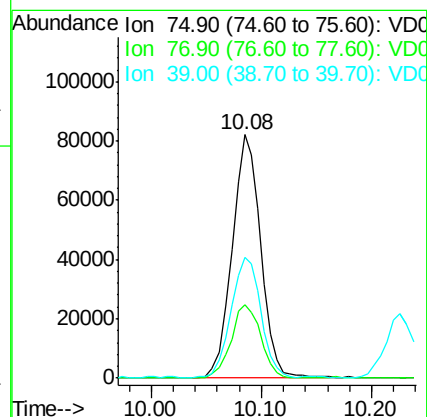
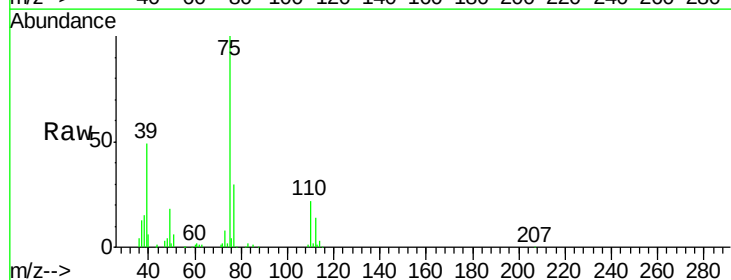
Tgt Ion: 75 Resp: 148943

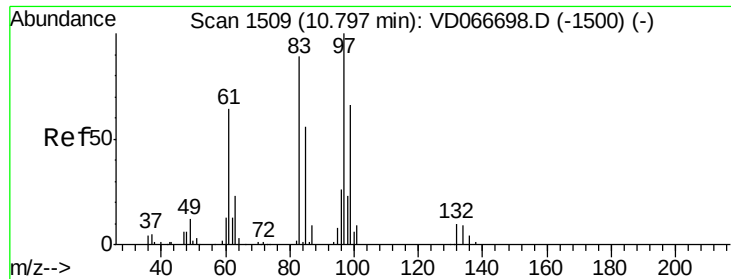
Ion Ratio Lower Upper

75 100

77 30.1 25.0 37.6

39 49.2 40.6 61.0

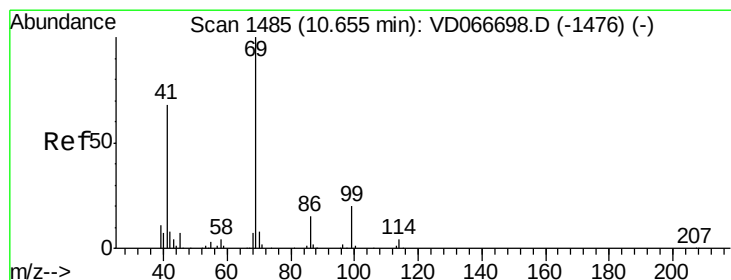
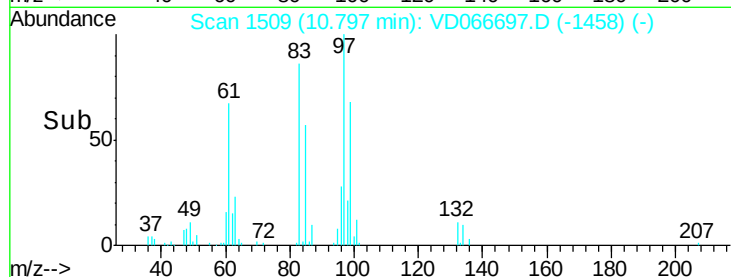
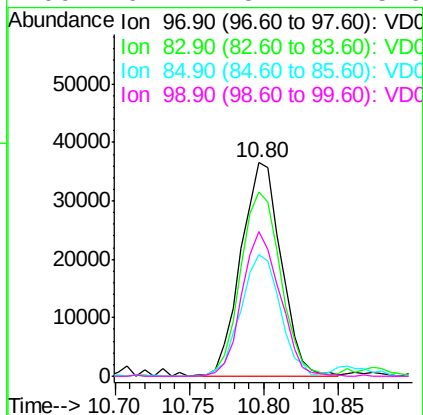
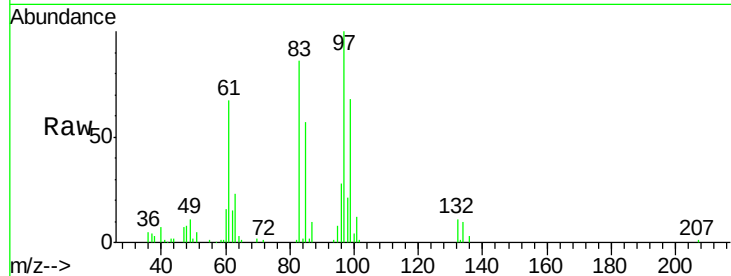




#55
 1,1,2-Trichloroethane
 Concen: 20.772 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

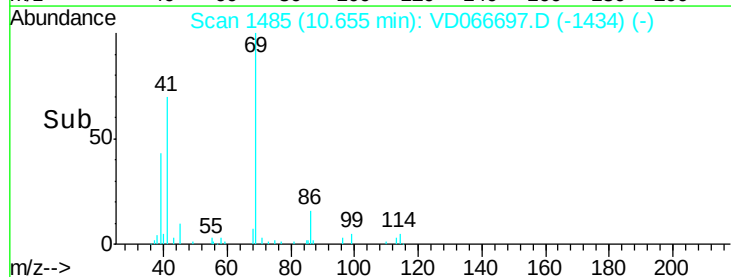
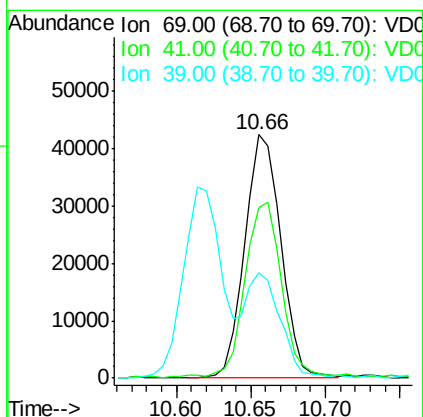
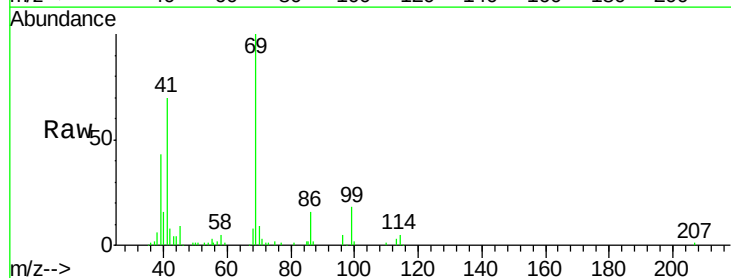
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

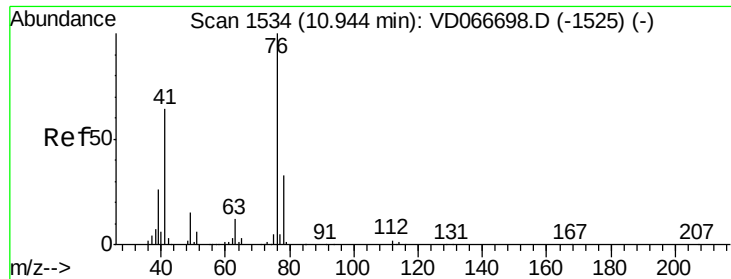
Tgt Ion: 97 Resp: 68401
 Ion Ratio Lower Upper
 97 100
 83 86.4 71.4 107.2
 85 57.2 44.7 67.1
 99 67.7 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 19.078 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 69 Resp: 71292
 Ion Ratio Lower Upper
 69 100
 41 74.5 55.5 83.3
 39 43.0 29.7 44.5

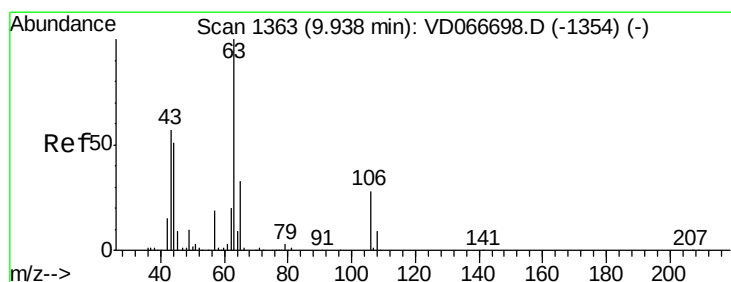
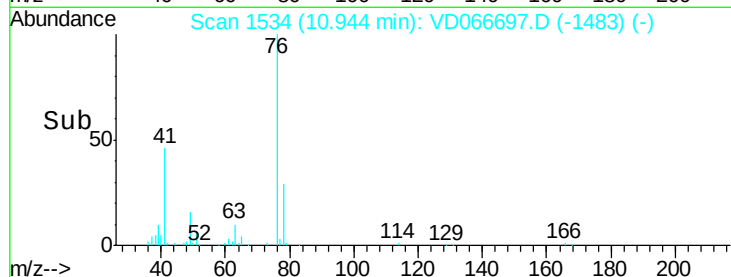
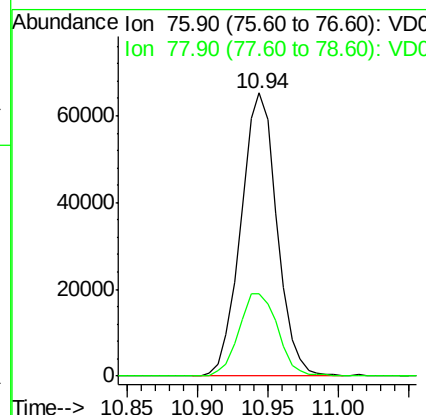
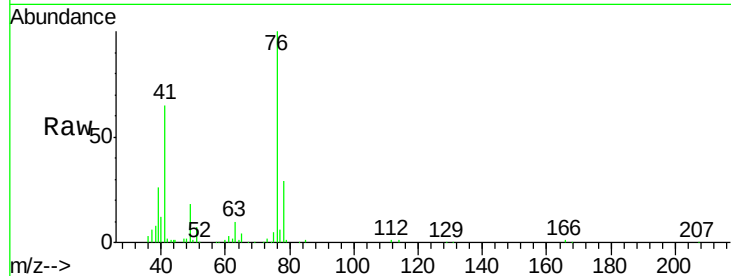




#57
 1,3-Dichloropropane
 Concen: 20.206 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

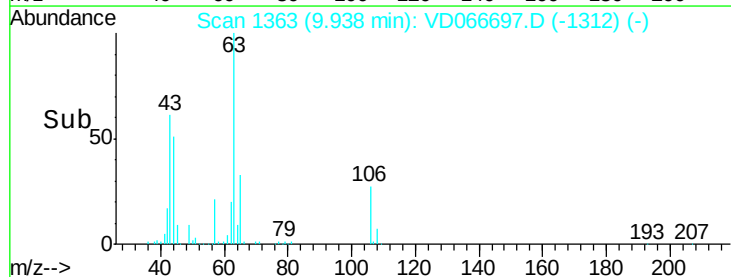
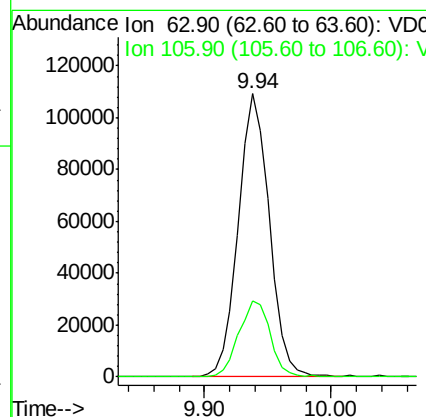
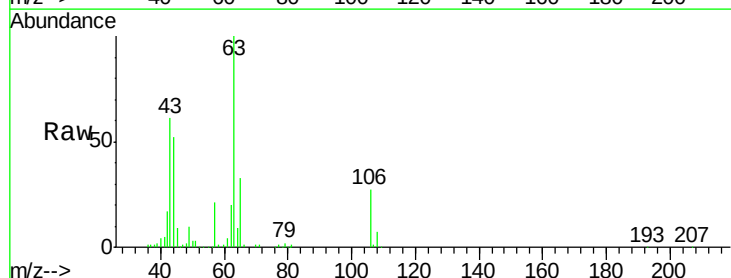
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

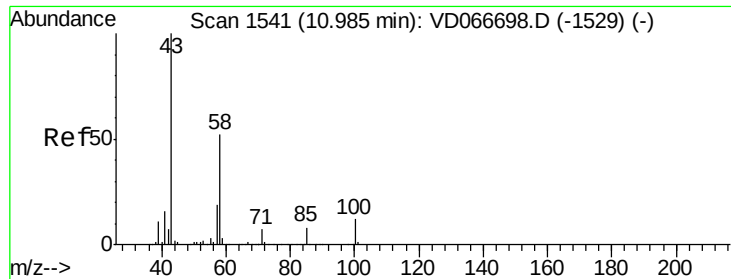
Tgt Ion: 76 Resp: 116768
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.984 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 63 Resp: 185425
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.2 33.4

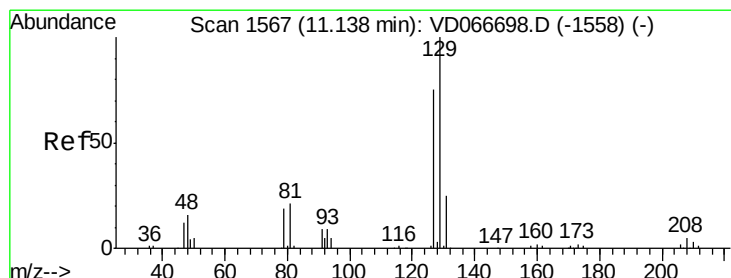
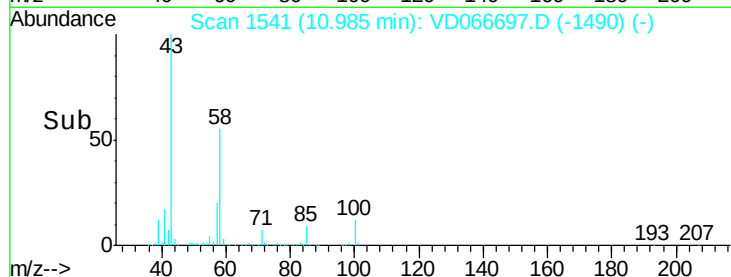
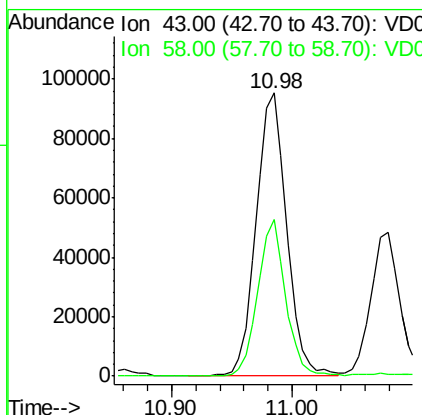
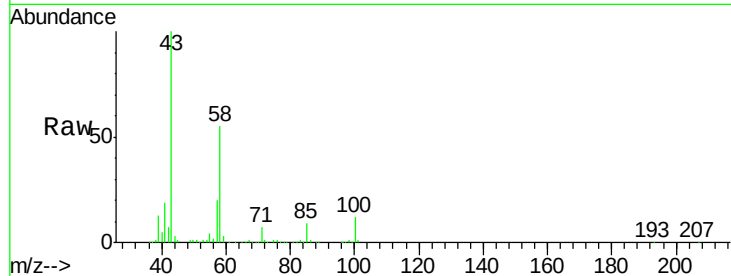




#59
2-Hexanone
Concen: 99.977 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

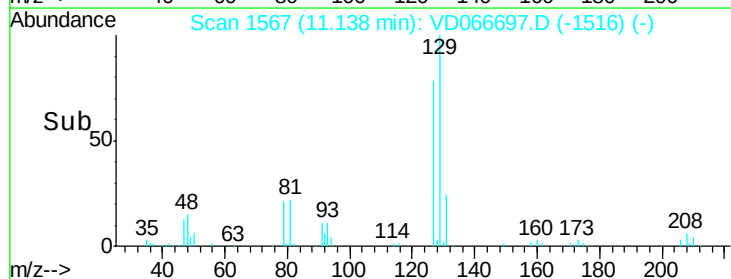
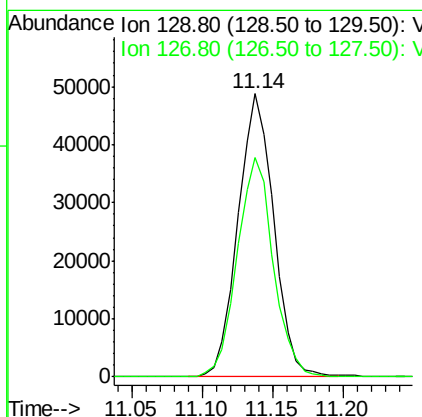
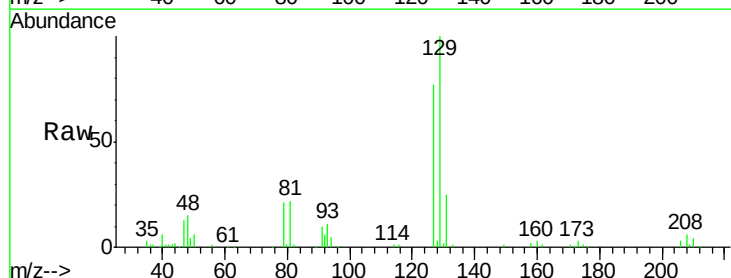
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

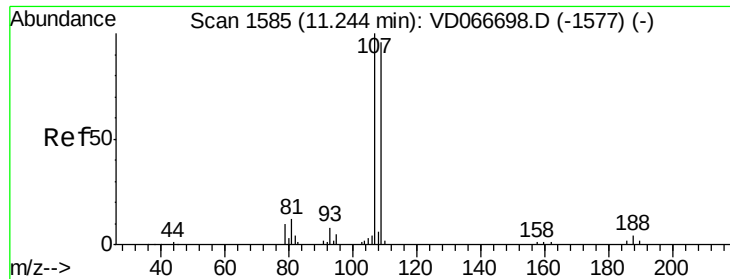
Tgt Ion: 43 Resp: 167466
Ion Ratio Lower Upper
43 100
58 50.5 26.2 78.5



#60
Dibromochloromethane
Concen: 20.102 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 129 Resp: 86251
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3

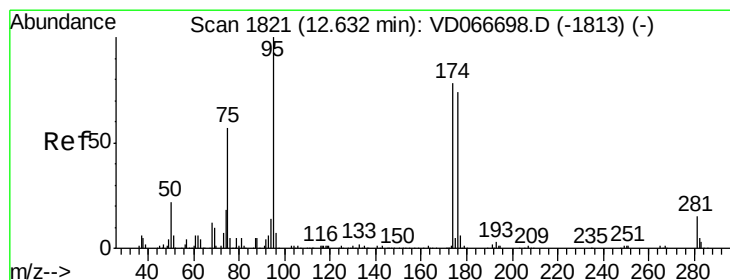
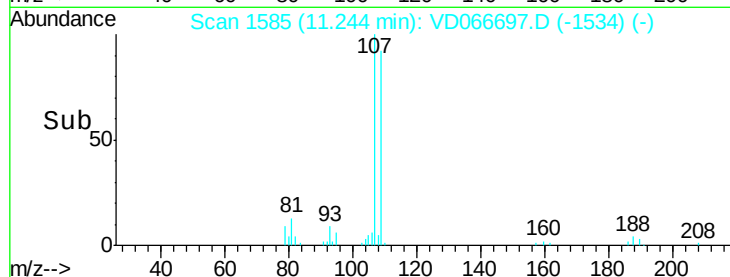
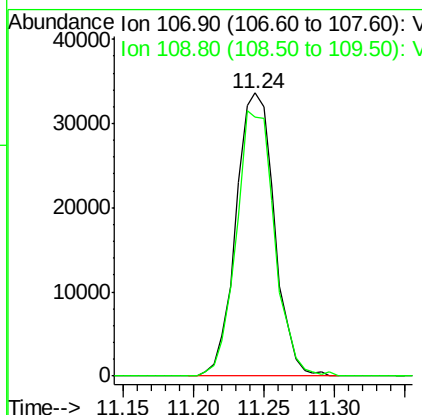
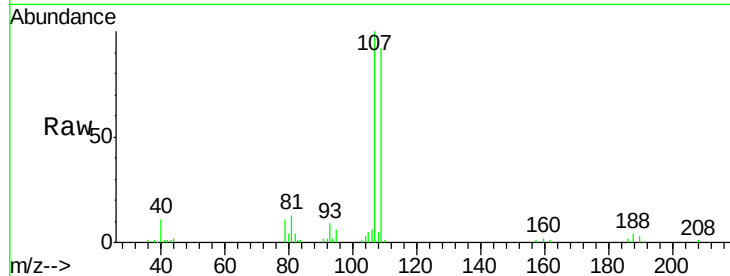




#61
 1,2-Dibromoethane
 Concen: 20.234 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

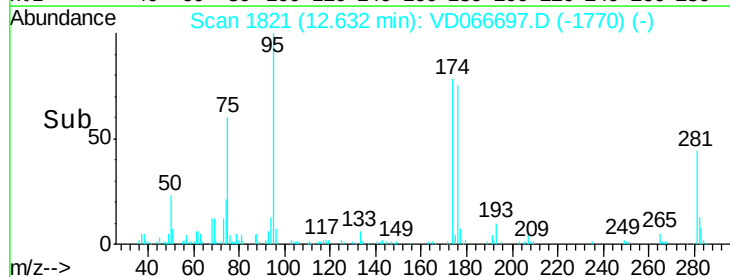
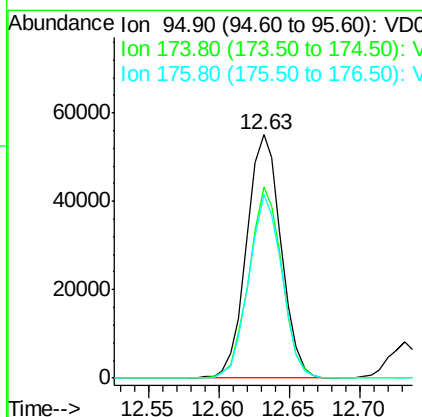
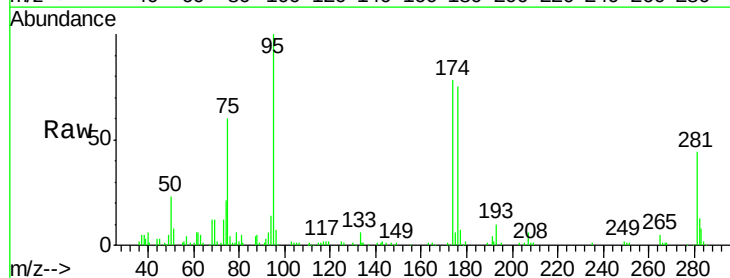
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

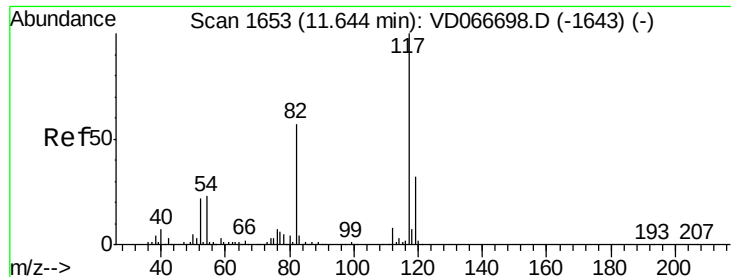
Tgt Ion: 107 Resp: 63914
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 18.949 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 95 Resp: 94434
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 156.6
 176 72.8 0.0 150.2

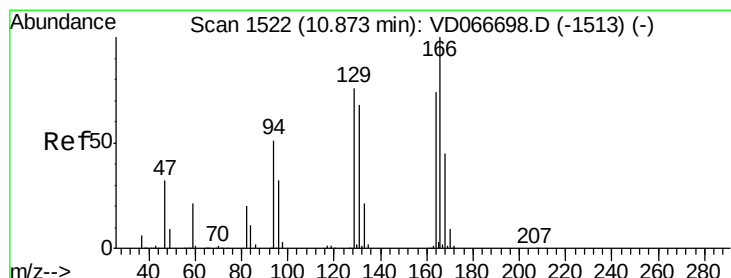
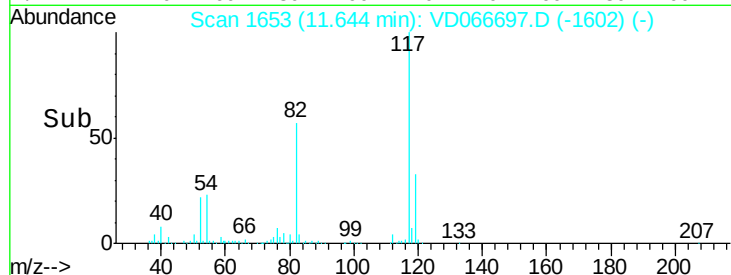
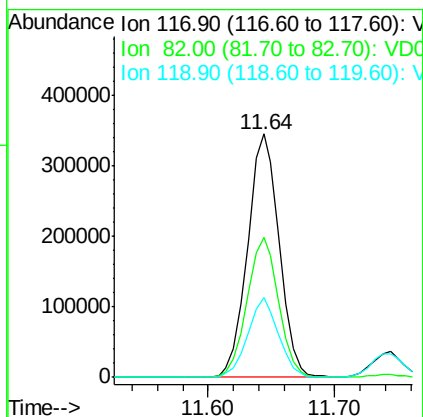
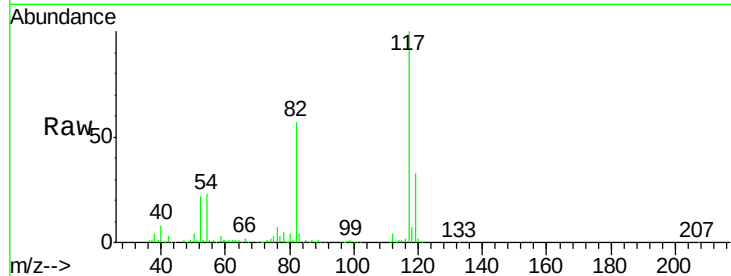




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

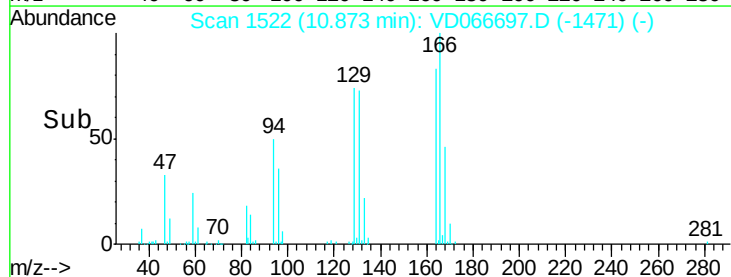
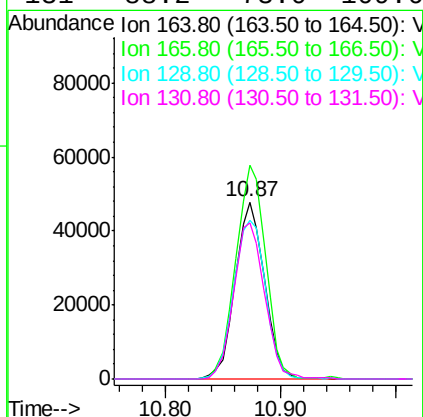
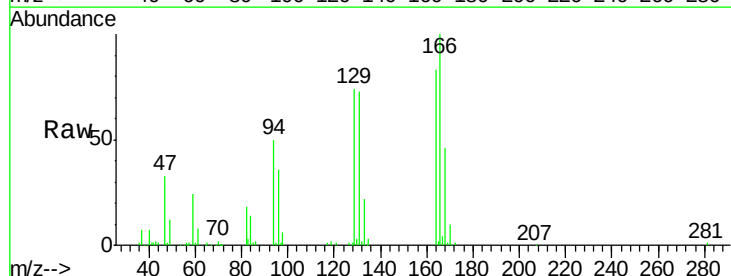
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

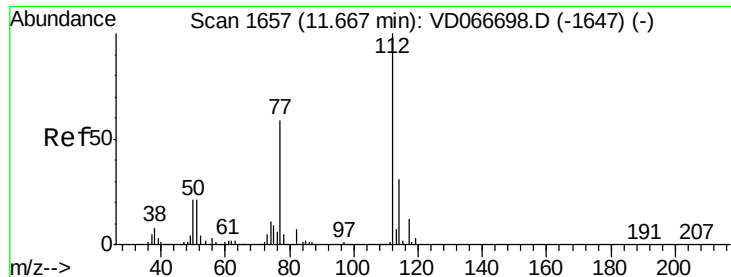
Tgt Ion:117 Resp: 599682
Ion Ratio Lower Upper
117 100
82 57.5 45.4 68.0
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 20.639 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion:164 Resp: 84487
Ion Ratio Lower Upper
164 100
166 120.6 107.5 161.3
129 89.8 81.4 122.0
131 88.2 73.0 109.6

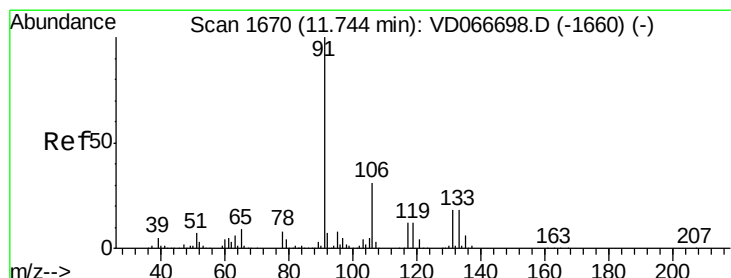
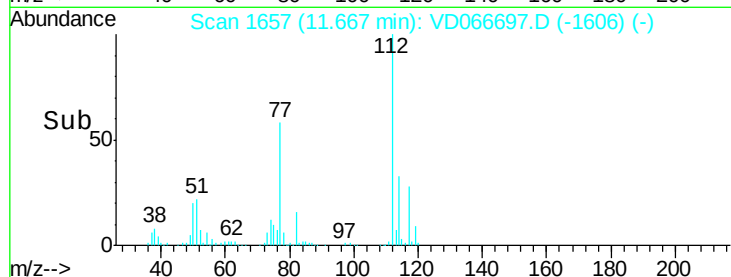
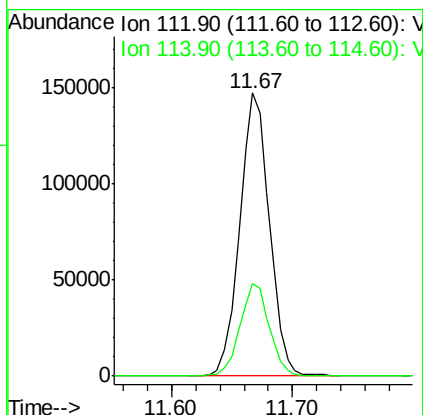
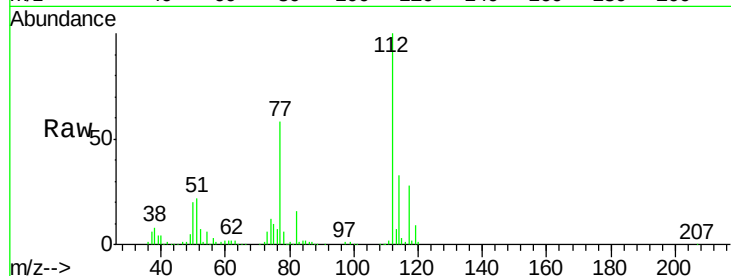




#65
Chlorobenzene
Concen: 20.284 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

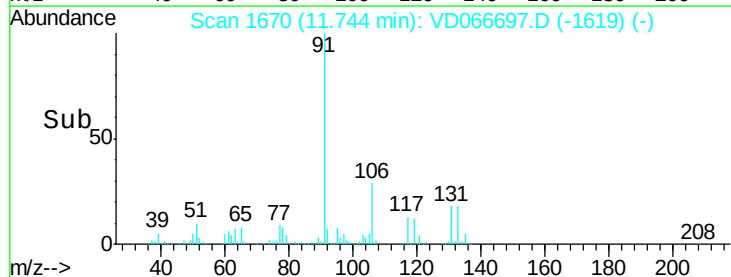
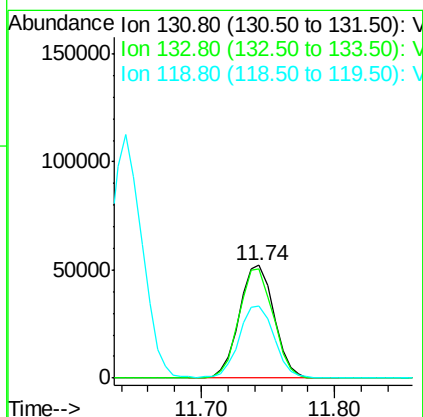
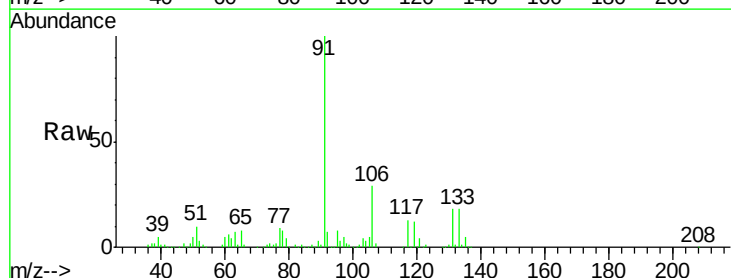
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

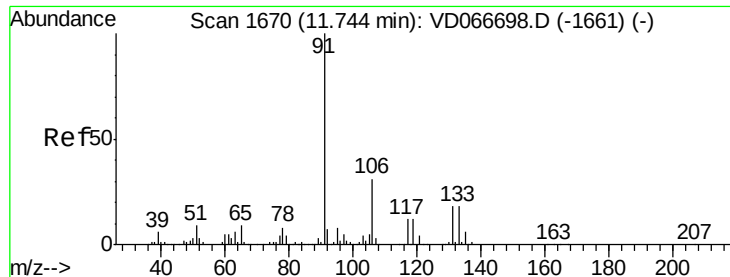
Tgt Ion:112 Resp: 251846
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.546 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion:131 Resp: 94122
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 65.0 33.6 100.8

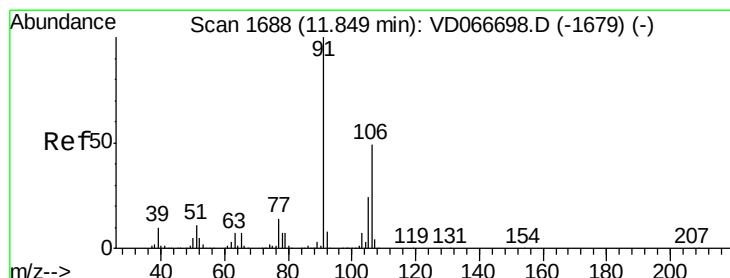
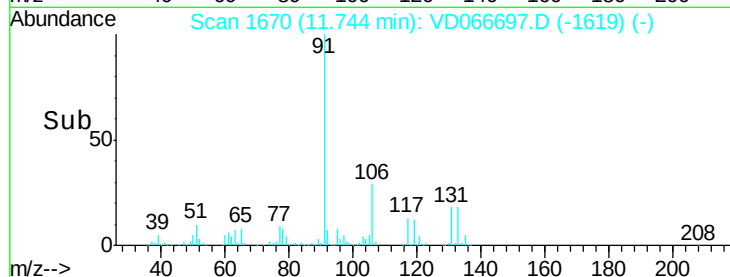
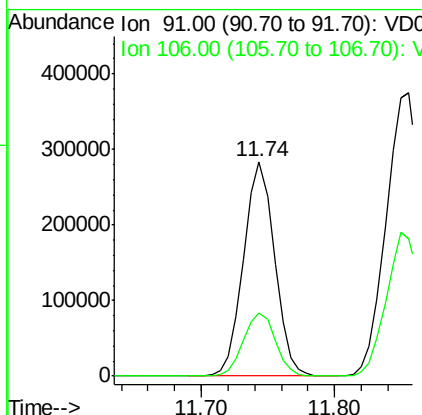
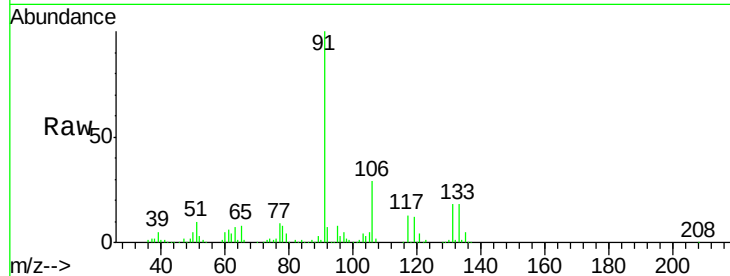




#67
Ethyl Benzene
Concen: 20.328 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

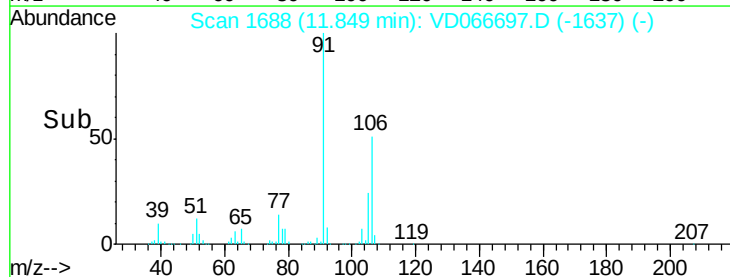
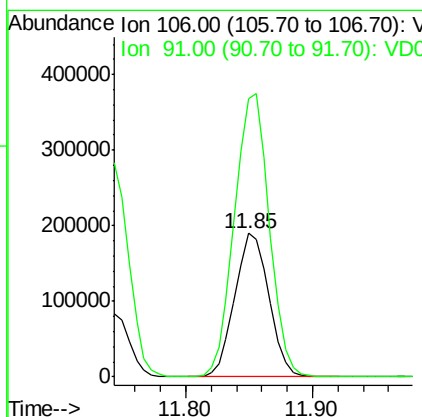
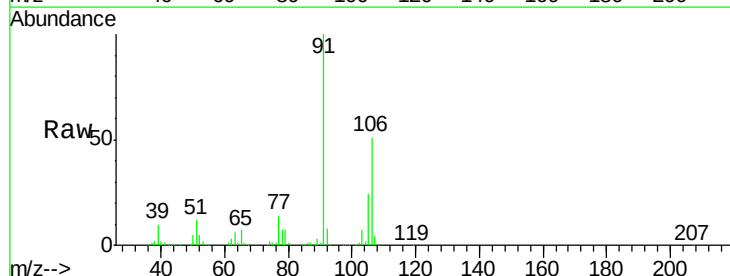
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

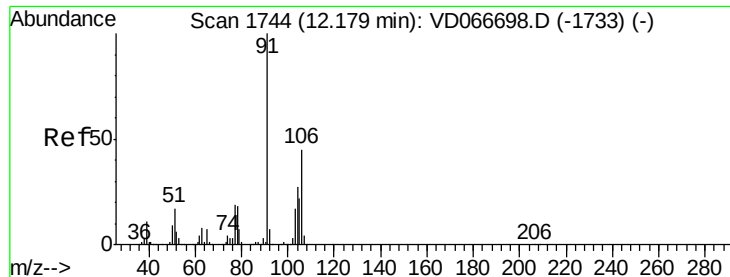
Tgt Ion: 91 Resp: 457160
Ion Ratio Lower Upper
91 100
106 29.3 25.1 37.7



#68
m/p-Xylenes
Concen: 41.775 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 106 Resp: 355082
Ion Ratio Lower Upper
106 100
91 201.3 164.8 247.2

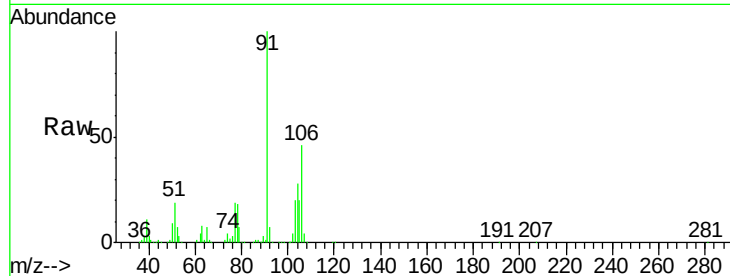




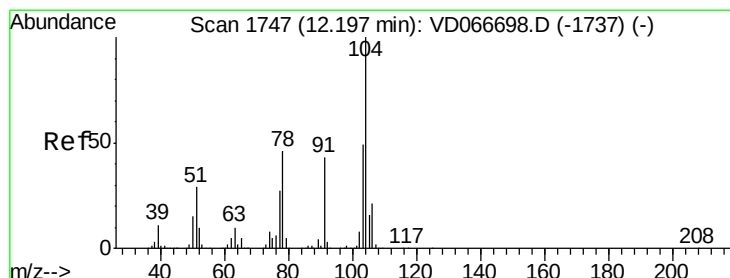
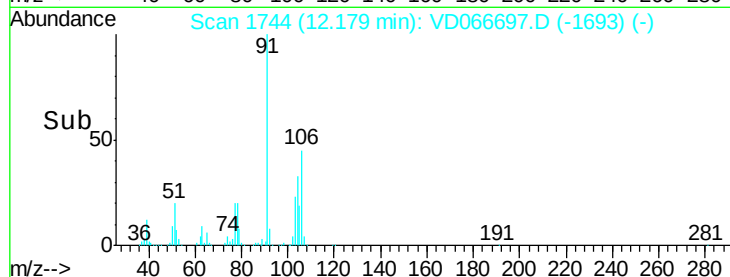
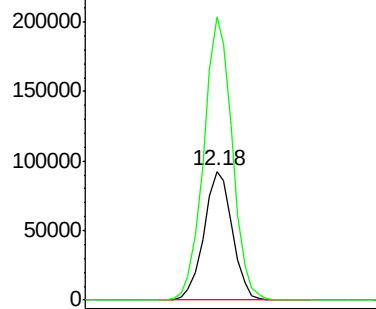
#69
o-Xylene
Concen: 20.245 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 152067
Ion Ratio Lower Upper
106 100
91 219.4 109.4 328.2

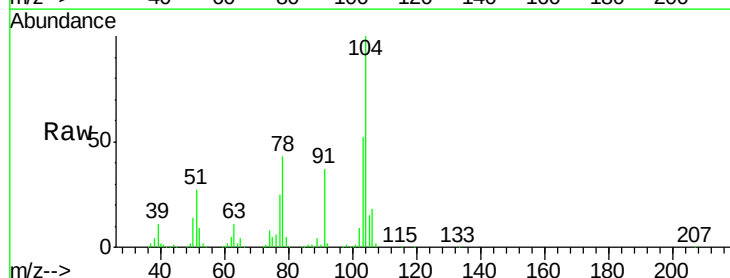


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

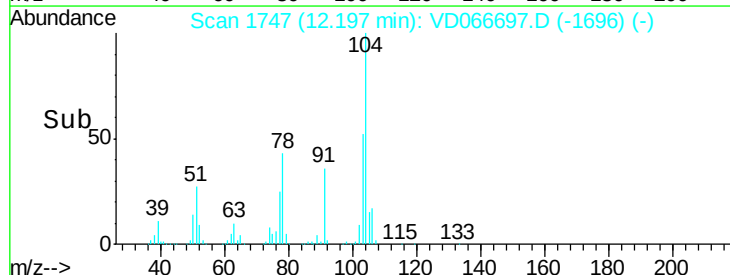
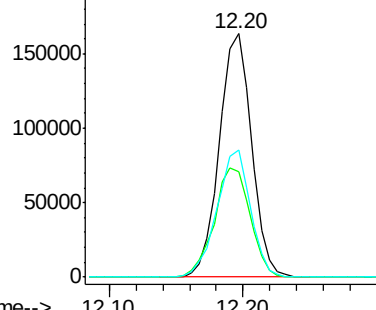


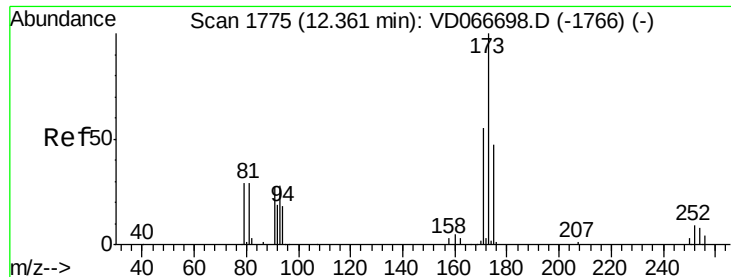
#70
Styrene
Concen: 20.595 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion:104 Resp: 272270
Ion Ratio Lower Upper
104 100
78 50.1 40.2 60.4
103 54.5 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.046 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

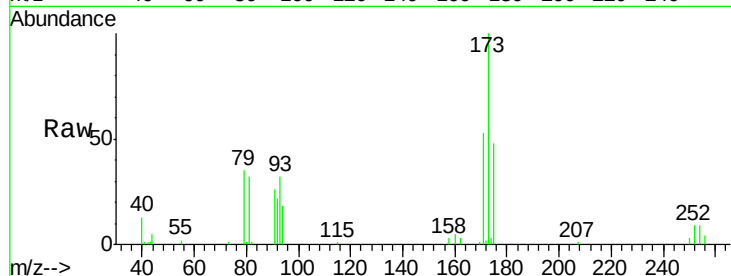
Tgt Ion:173 Resp: 43788

Ion Ratio Lower Upper

173 100

175 51.5 24.3 72.8

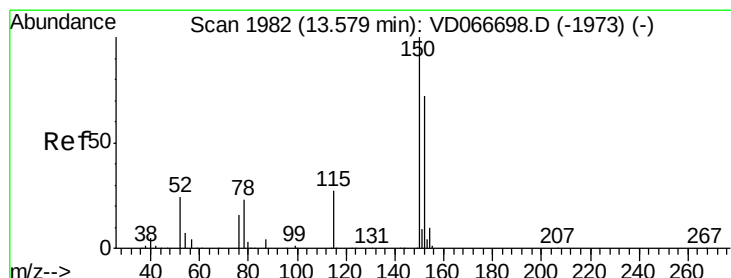
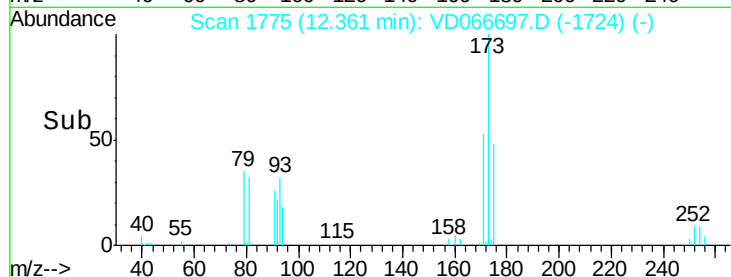
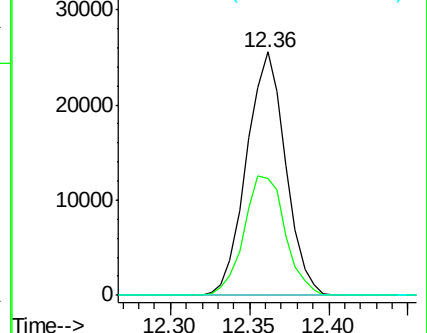
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

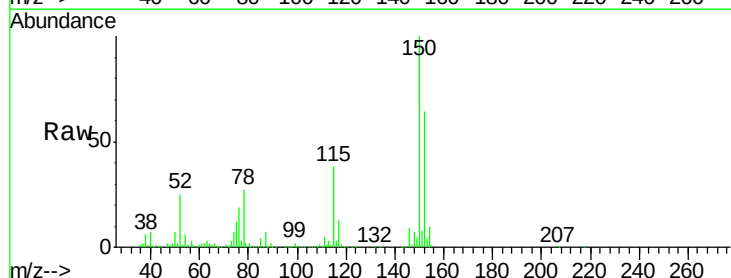
Tgt Ion:152 Resp: 279133

Ion Ratio Lower Upper

152 100

115 60.8 30.5 91.5

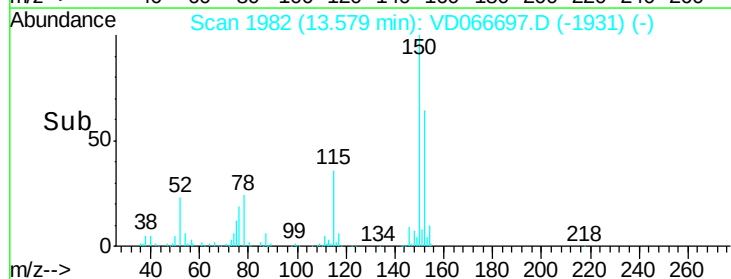
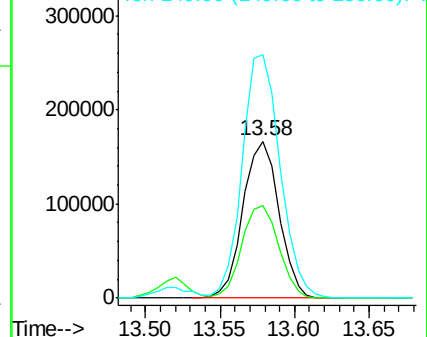
150 162.9 0.0 344.6

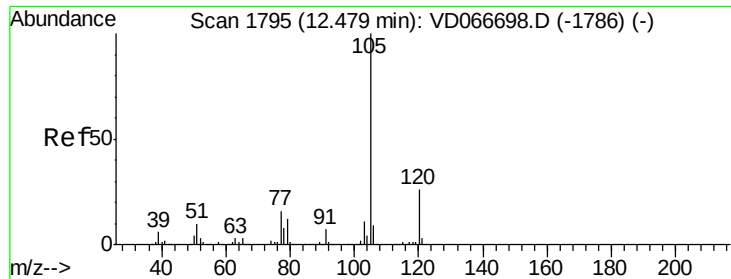


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.267 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

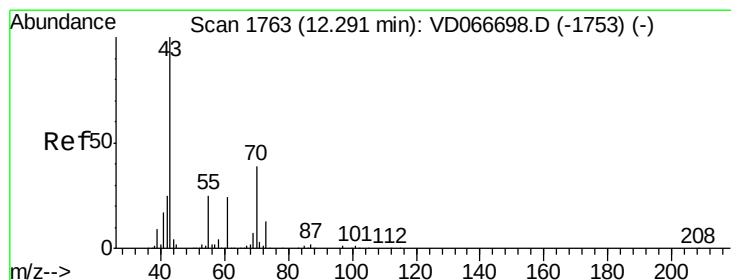
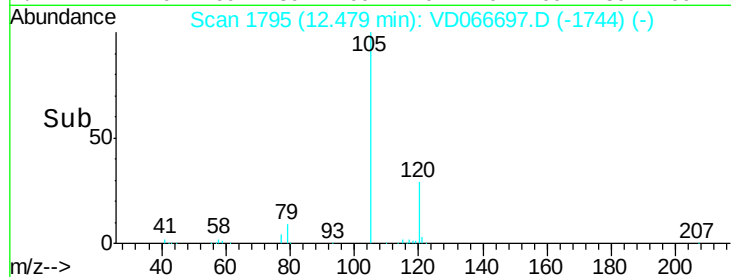
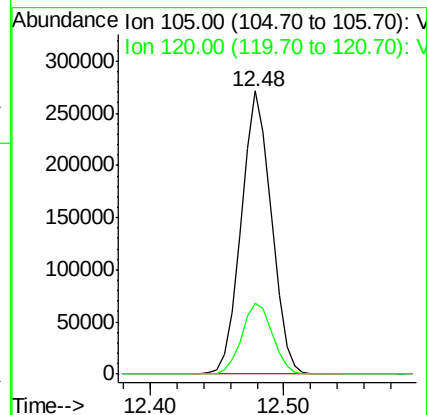
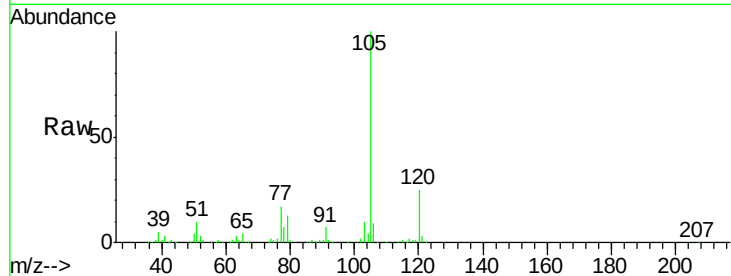
VSTDIC020

Tgt Ion: 105 Resp: 422327

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



#74

N-ethyl acetate

Concen: 19.206 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion: 43 Resp: 84425

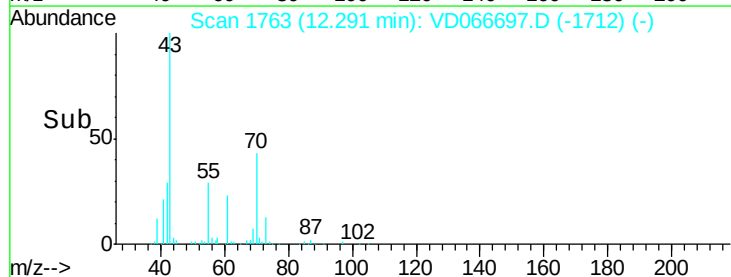
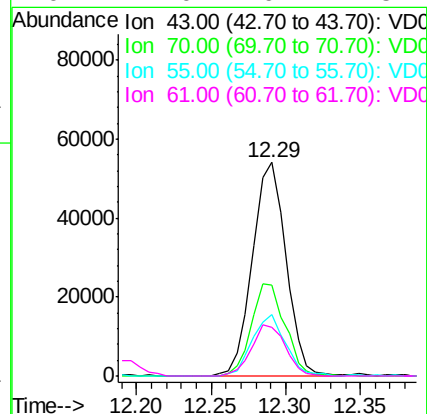
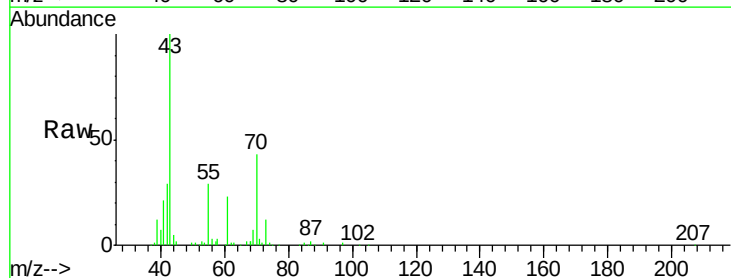
Ion Ratio Lower Upper

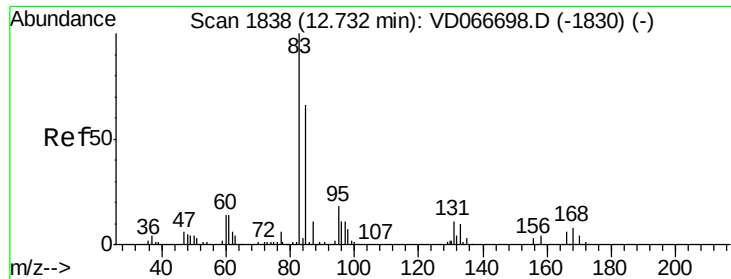
43 100

70 43.1 33.0 49.4

55 28.5 20.6 30.8

61 24.0 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.966 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

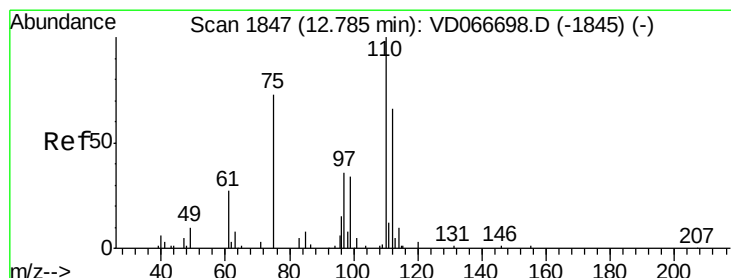
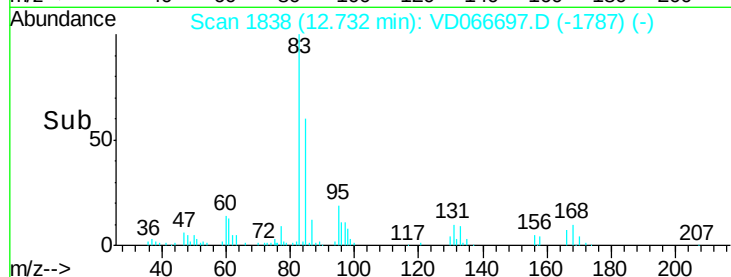
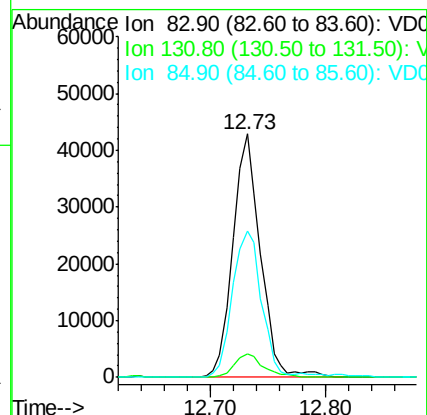
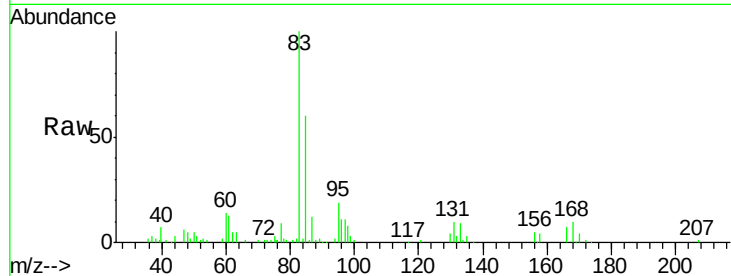
Tgt Ion: 83 Resp: 70696

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.3

85 63.5 33.3 99.8



#76

1,2,3-Trichloropropane

Concen: 40.165 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066697.D

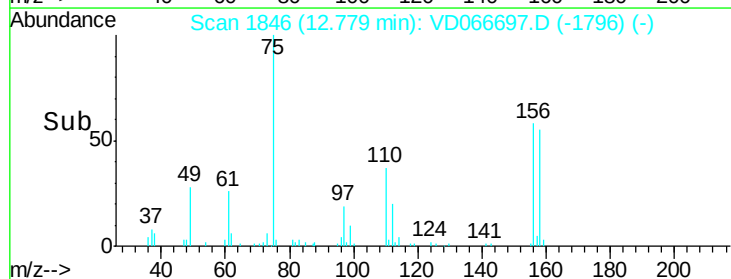
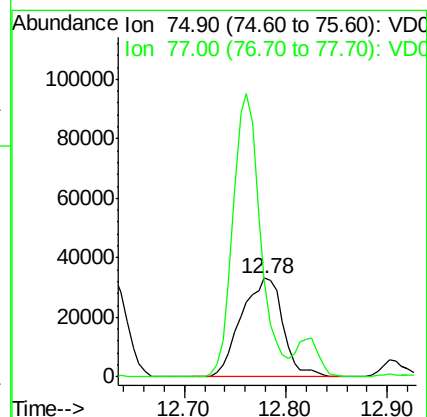
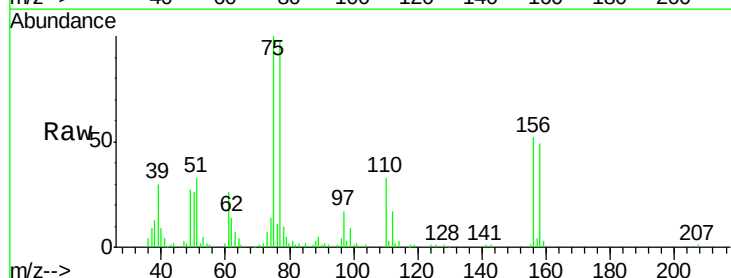
Acq: 15 Sep 2020 14:22

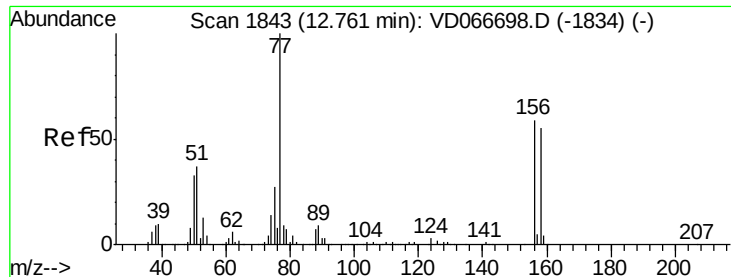
Tgt Ion: 75 Resp: 94886

Ion Ratio Lower Upper

75 100

77 189.5 0.0 0.0#





#77

Bromobenzene

Concen: 19.772 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

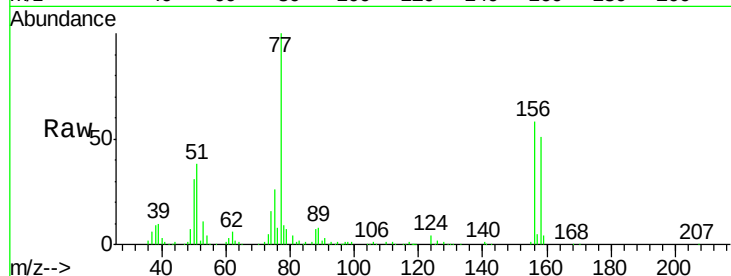
Tgt Ion:156 Resp: 94959

Ion Ratio Lower Upper

156 100

77 189.4 95.8 287.3

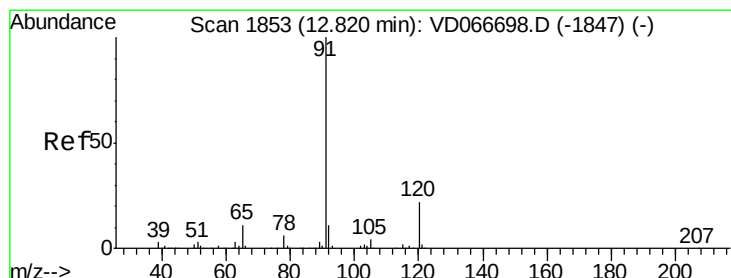
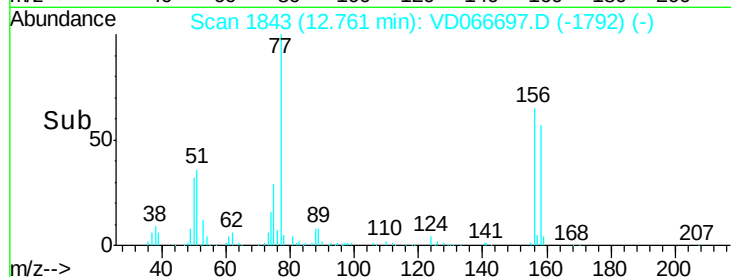
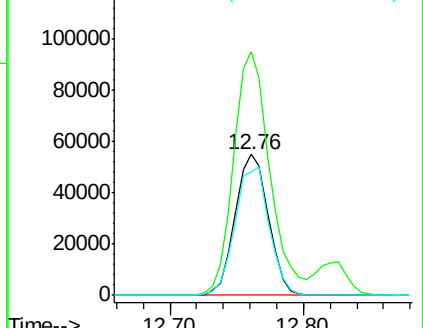
158 94.0 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.443 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066697.D

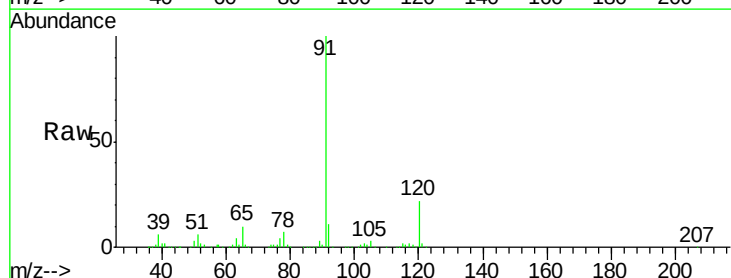
Acq: 15 Sep 2020 14:22

Tgt Ion: 91 Resp: 519297

Ion Ratio Lower Upper

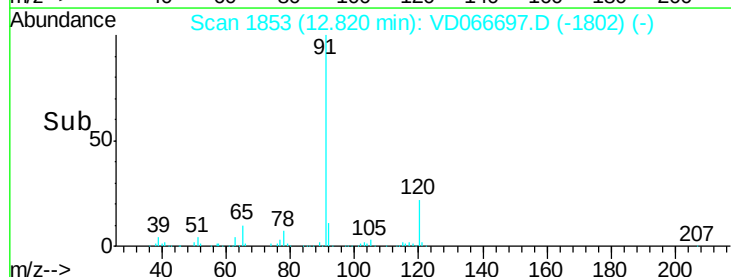
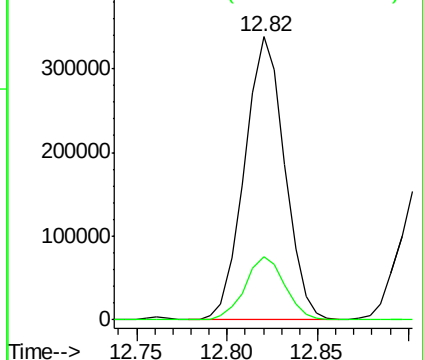
91 100

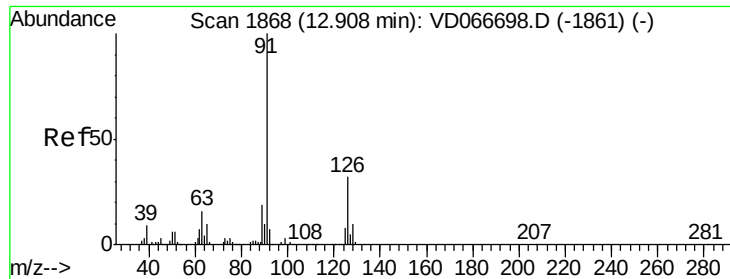
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

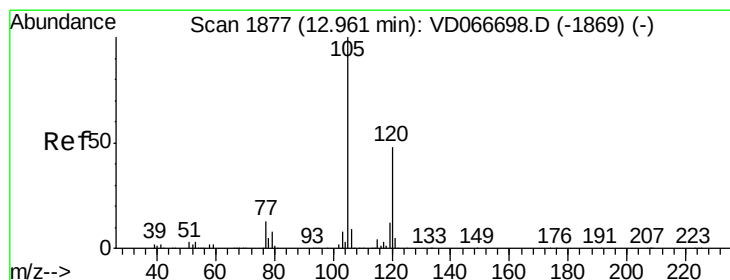
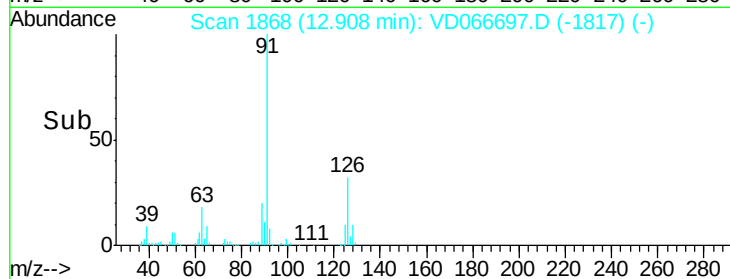
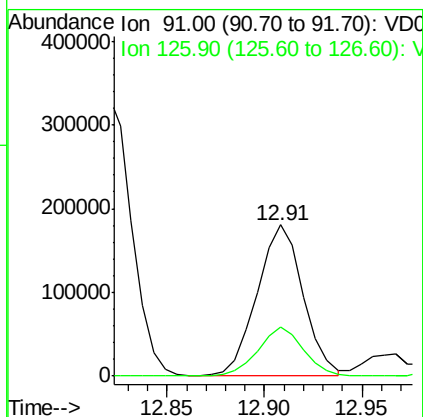
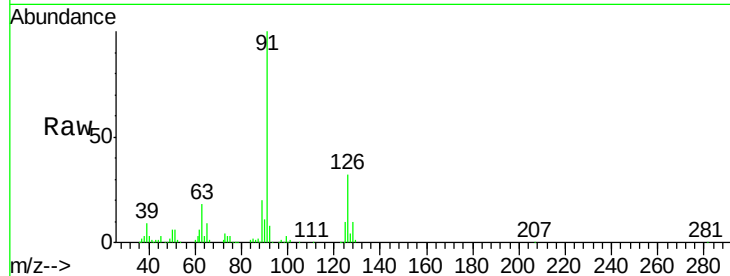




#79
 2-Chlorotoluene
 Concen: 20.449 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

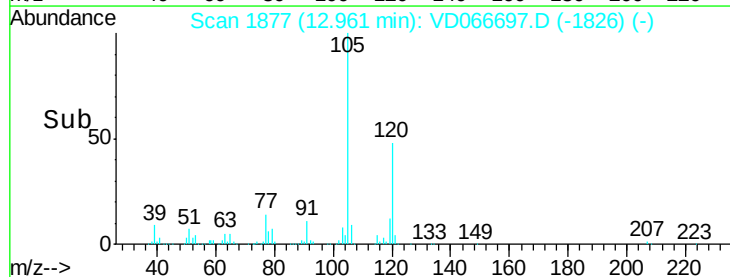
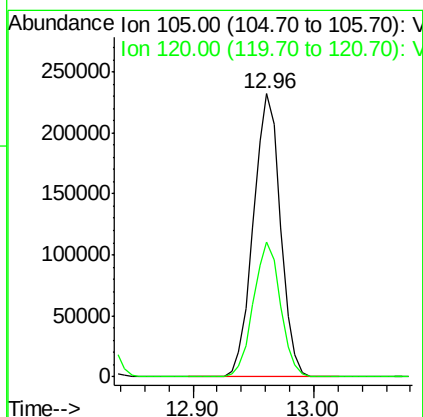
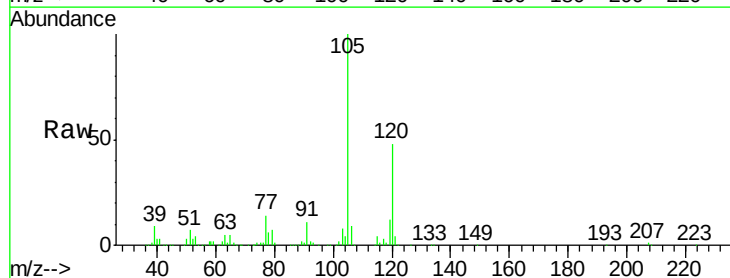
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

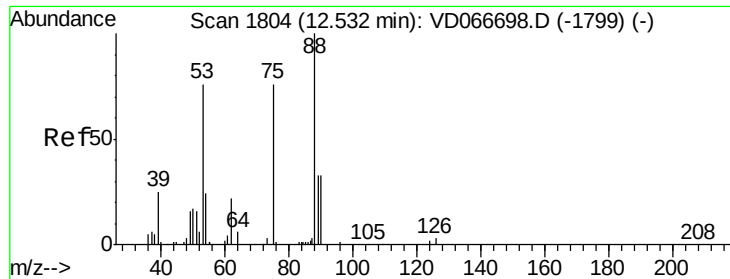
Tgt Ion: 91 Resp: 293710
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.696 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 105 Resp: 364639
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.205 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

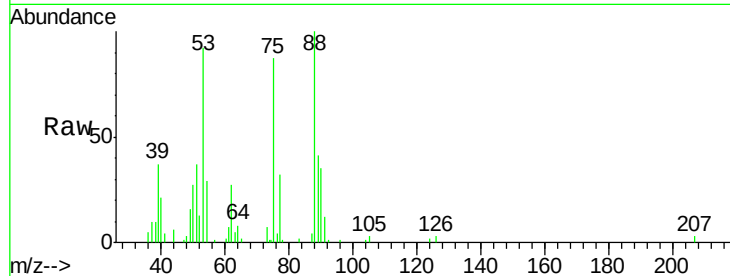
Tgt Ion: 75 Resp: 22369

Ion Ratio Lower Upper

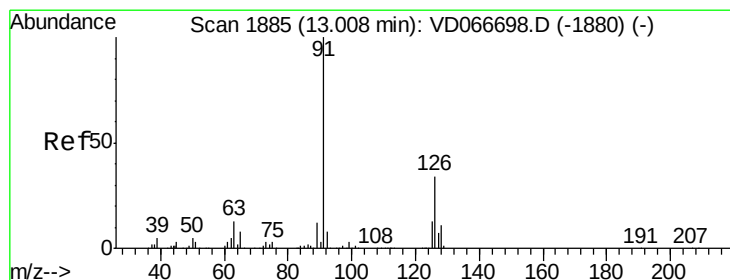
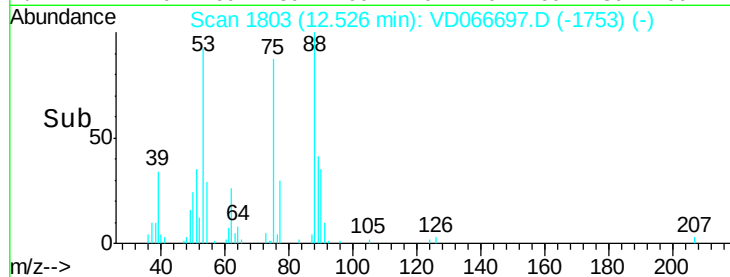
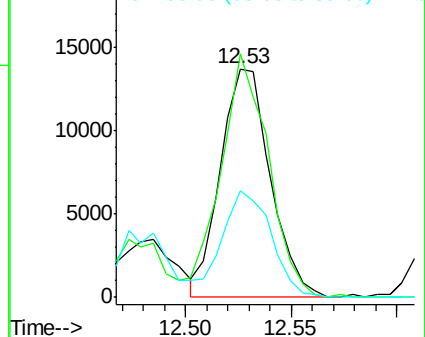
75 100

53 102.5 82.2 123.4

89 46.3 39.6 59.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.769 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066697.D

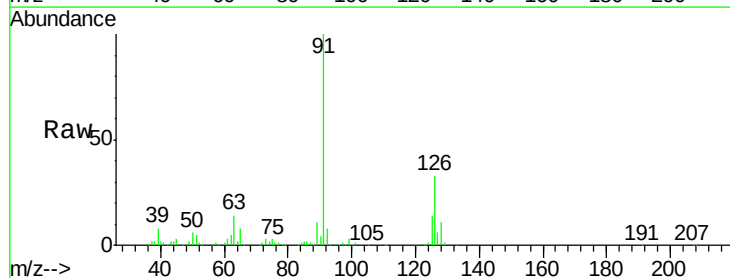
Acq: 15 Sep 2020 14:22

Tgt Ion: 91 Resp: 315425

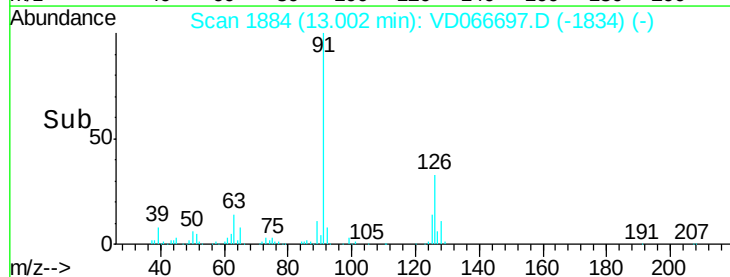
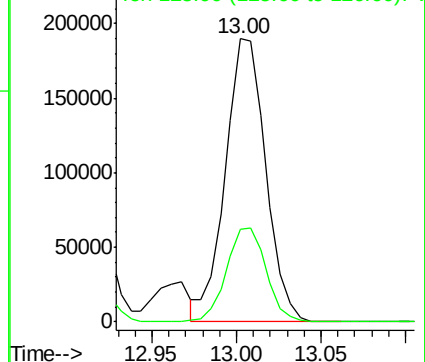
Ion Ratio Lower Upper

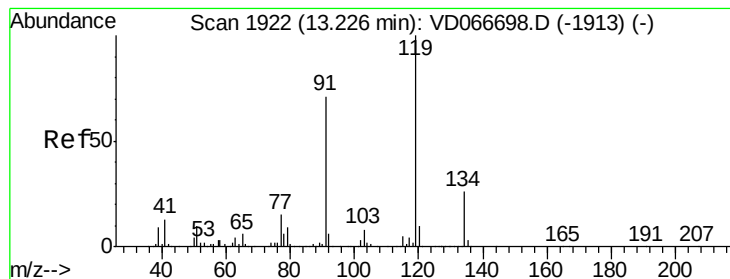
91 100

126 32.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

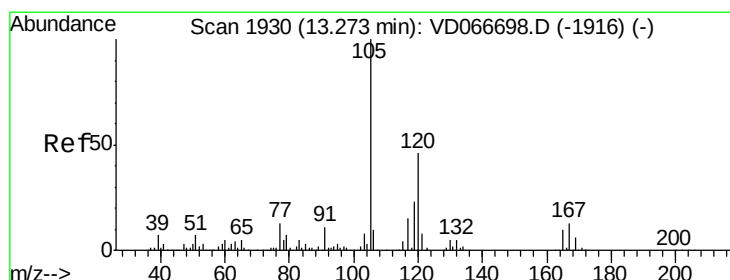
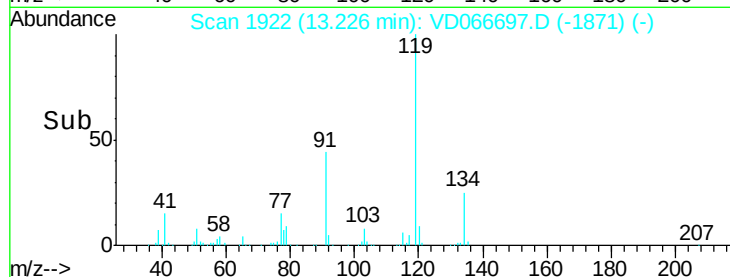
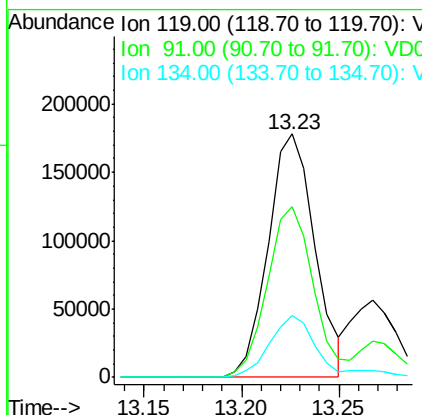
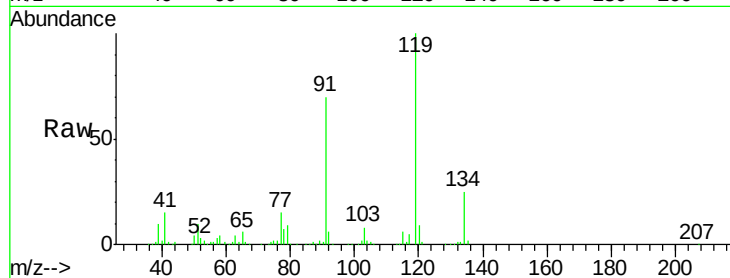




#83
 tert-Butylbenzene
 Concen: 20.315 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

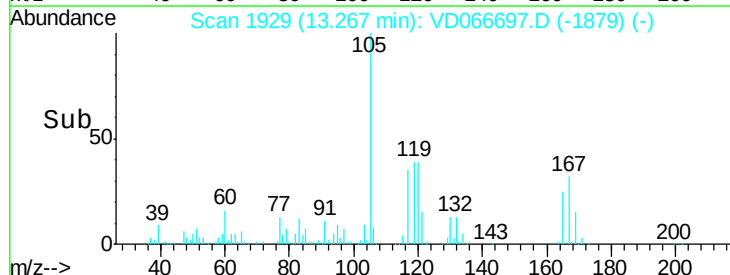
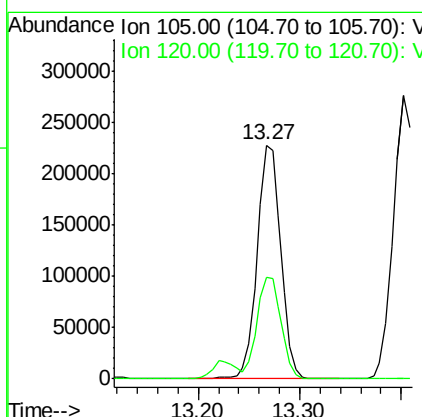
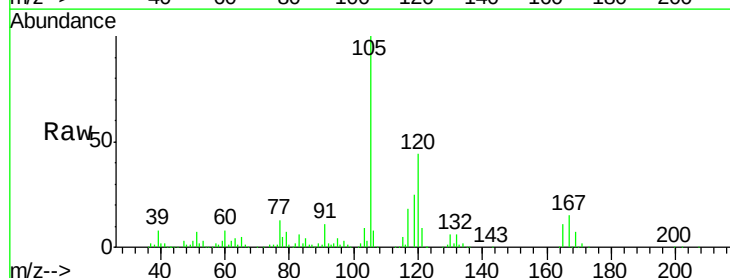
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

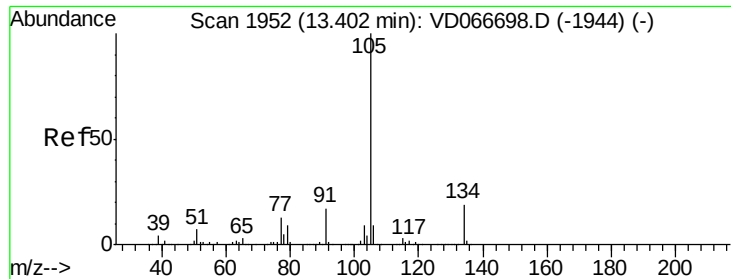
Tgt Ion:119 Resp: 295016
 Ion Ratio Lower Upper
 119 100
 91 70.1 35.0 105.1
 134 25.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.099 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion:105 Resp: 371509
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2

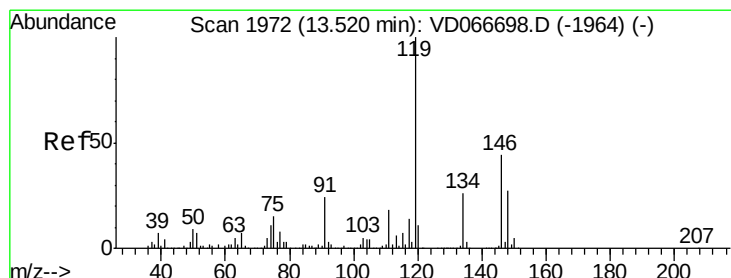
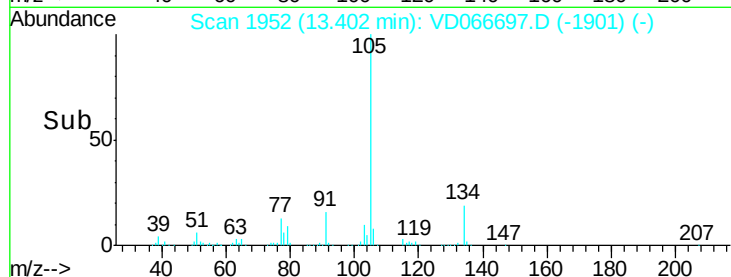
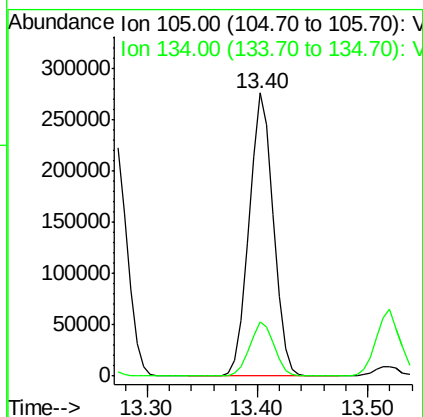
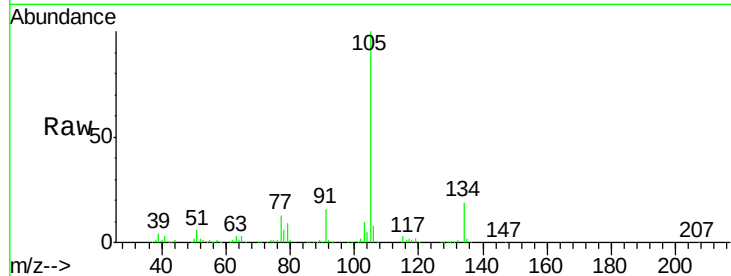




#85
 sec-Butylbenzene
 Concen: 20.495 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

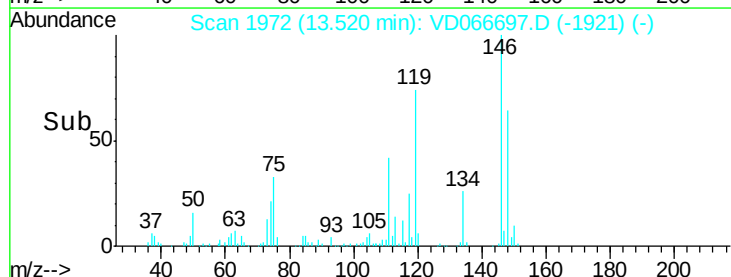
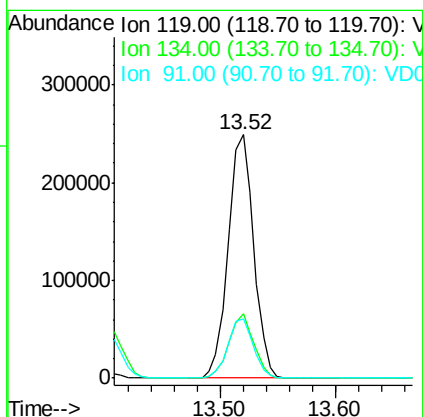
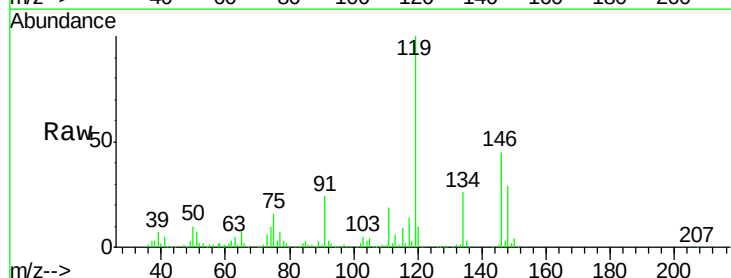
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

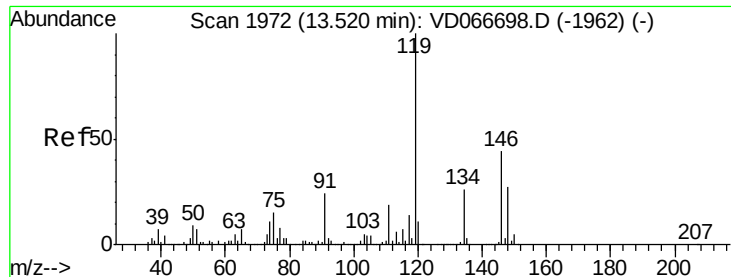
Tgt Ion:105 Resp: 426678
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 20.095 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion:119 Resp: 380332
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.3 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.293 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

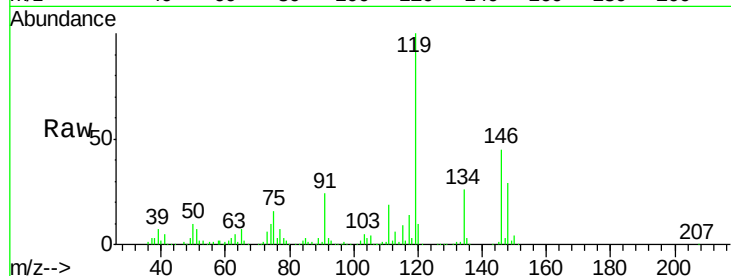
Tgt Ion:146 Resp: 186983

Ion Ratio Lower Upper

146 100

111 43.6 21.1 63.3

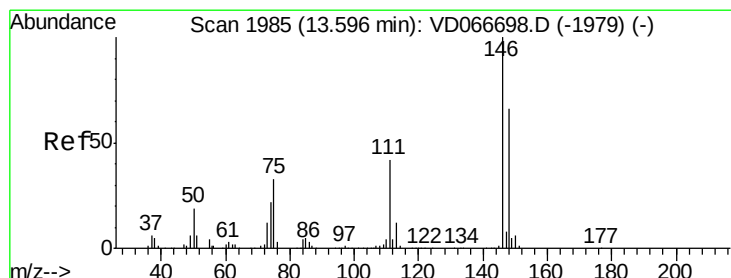
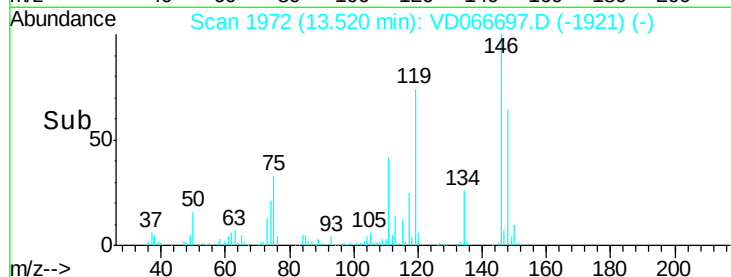
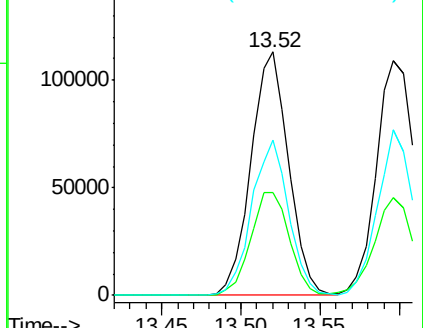
148 62.6 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.056 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

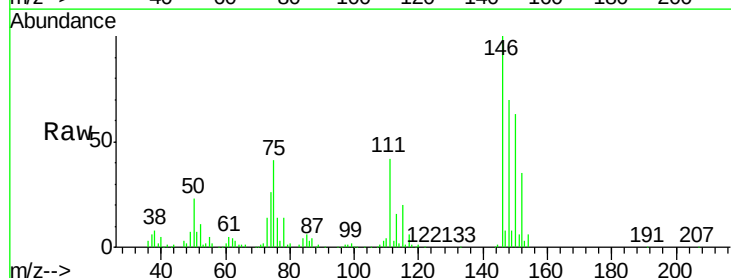
Tgt Ion:146 Resp: 184027

Ion Ratio Lower Upper

146 100

111 42.0 20.5 61.6

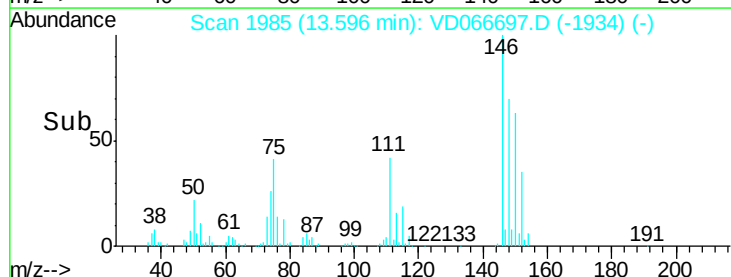
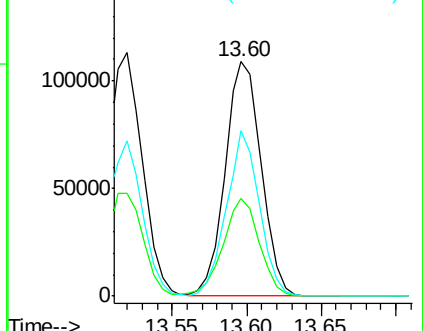
148 64.7 32.7 98.1

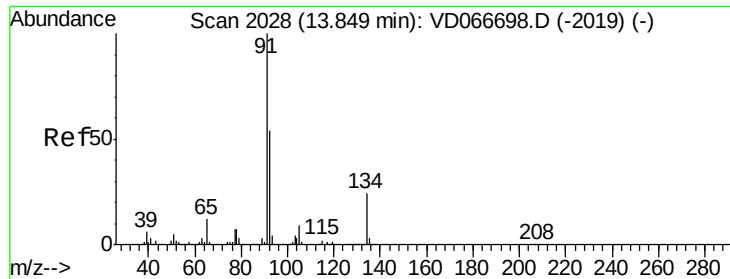


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

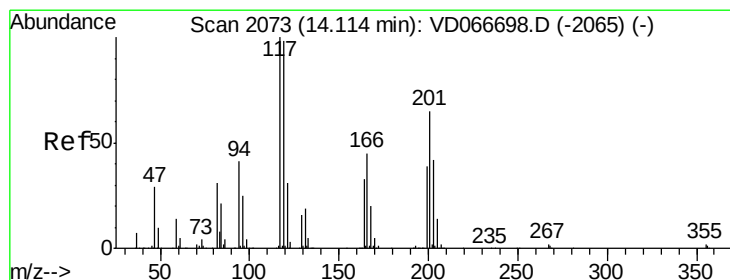
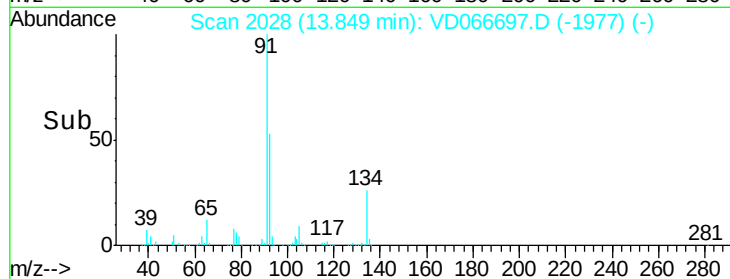
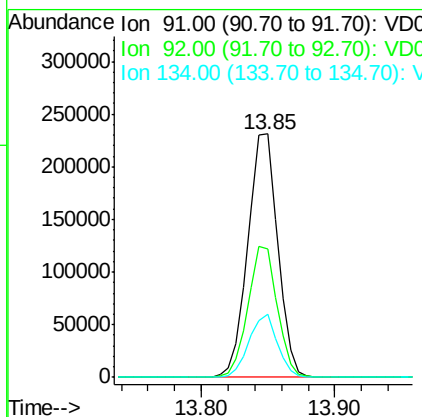
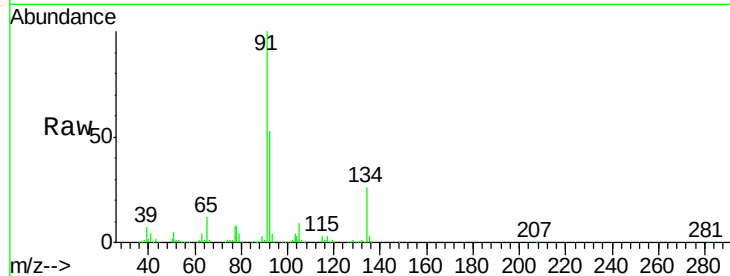




#89
n-Butylbenzene
Concen: 19.851 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

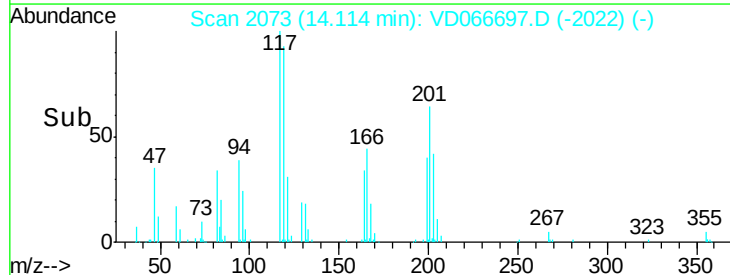
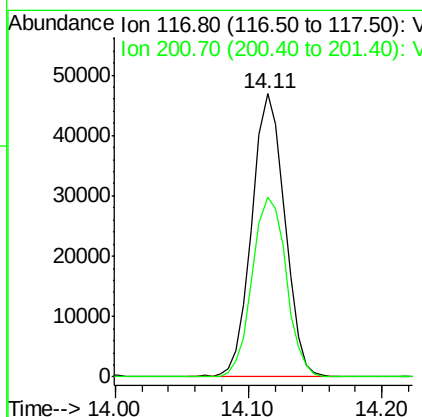
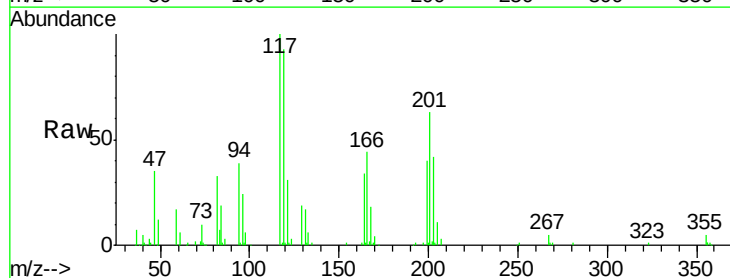
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

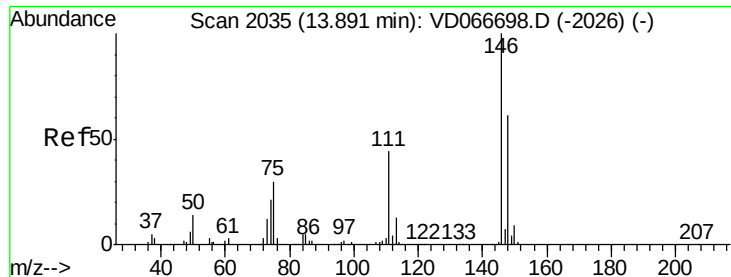
Tgt Ion: 91 Resp: 357264
Ion Ratio Lower Upper
91 100
92 52.5 27.0 81.0
134 24.6 12.4 37.0



#90
Hexachloroethane
Concen: 20.572 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 117 Resp: 79987
Ion Ratio Lower Upper
117 100
201 65.3 33.1 99.3

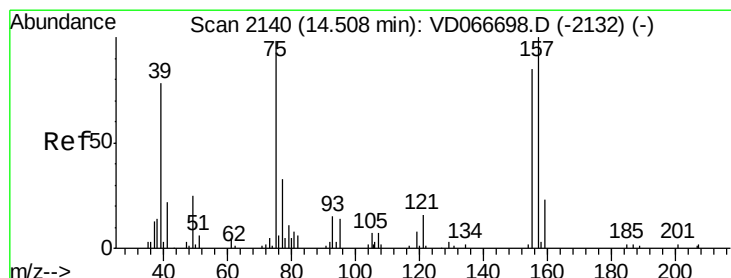
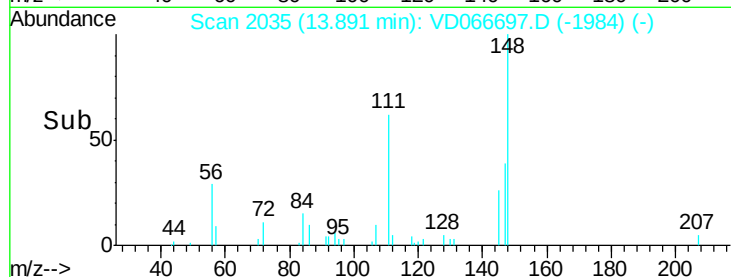
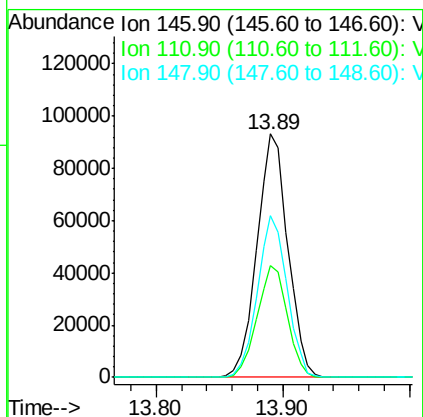
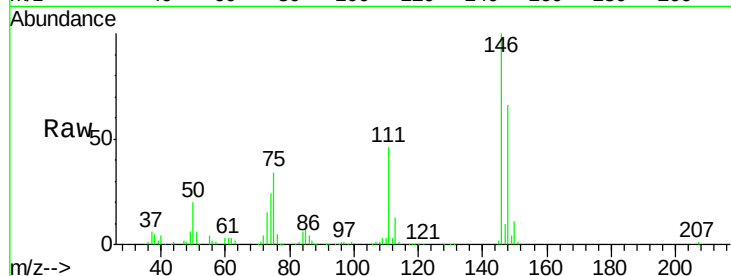




#91
 1,2-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

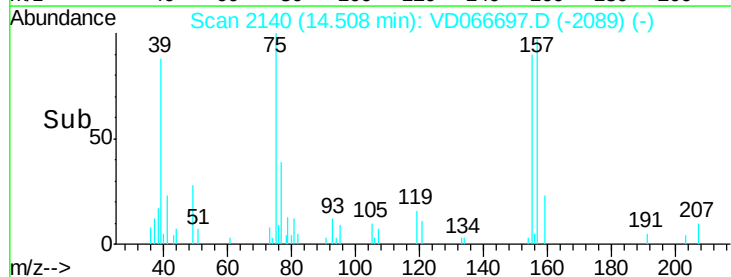
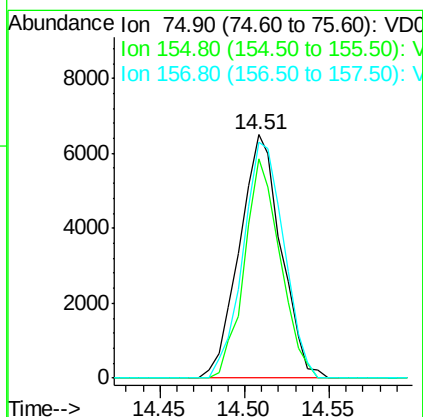
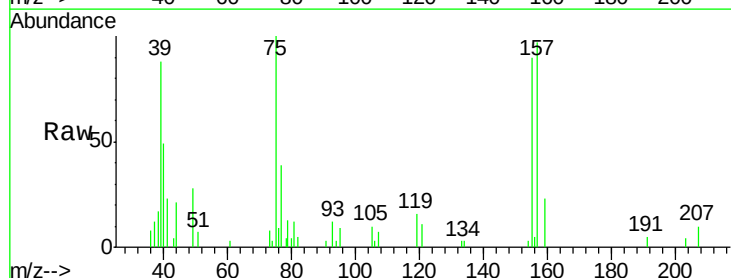
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

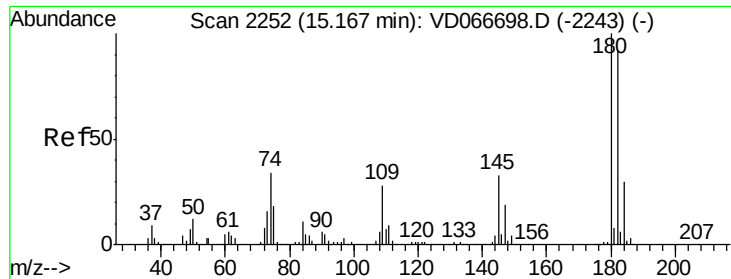
Tgt Ion: 146 Resp: 158221
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.6 64.6
 148 63.8 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.529 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 75 Resp: 11178
 Ion Ratio Lower Upper
 75 100
 155 77.8 38.9 116.7
 157 94.9 46.4 139.2

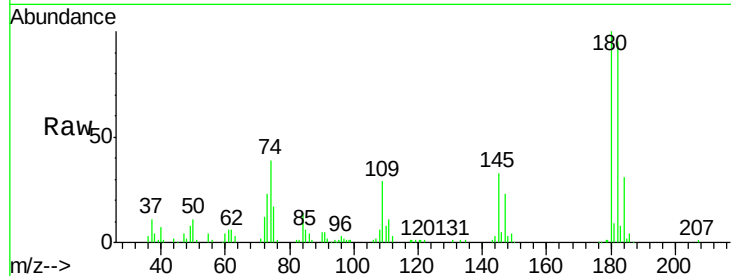




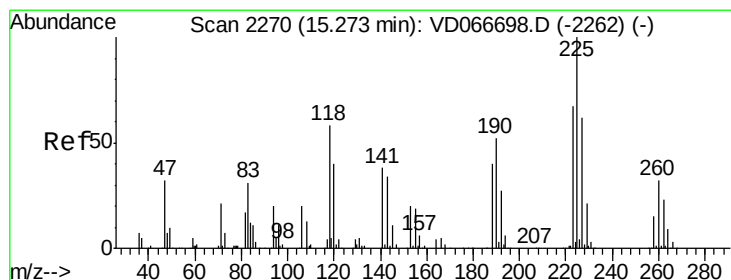
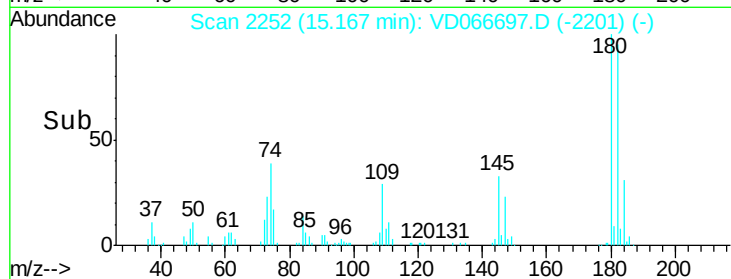
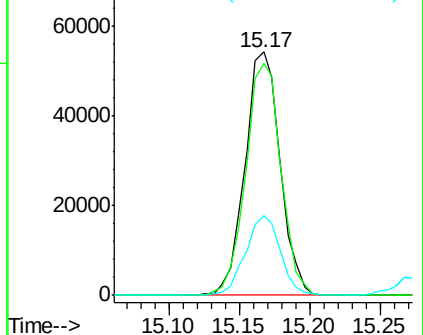
#93
1,2,4-Trichlorobenzene
Concen: 19.826 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:180 Resp: 94675
Ion Ratio Lower Upper
180 100
182 95.7 46.6 139.7
145 32.6 16.5 49.5

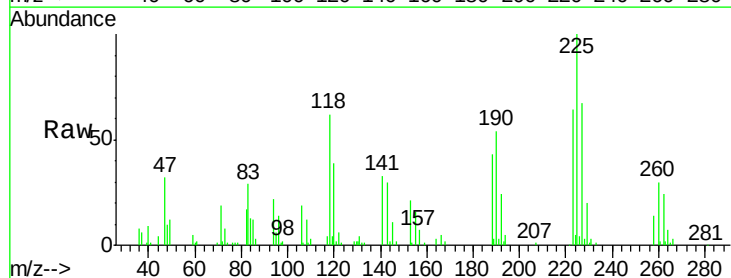


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

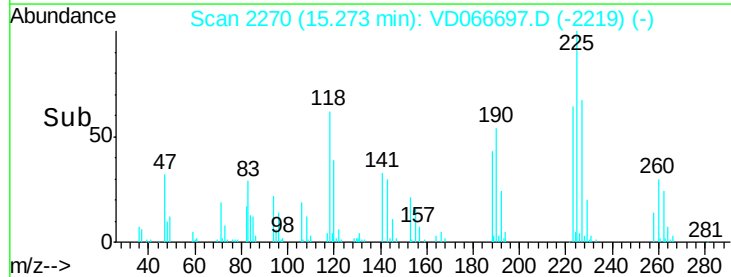
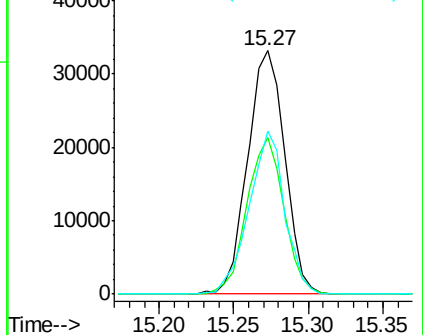


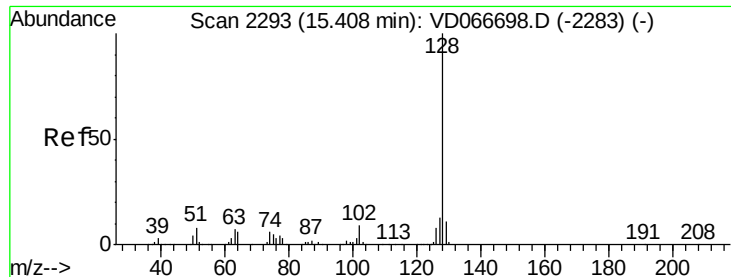
#94
Hexachlorobutadiene
Concen: 19.905 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion:225 Resp: 57268
Ion Ratio Lower Upper
225 100
223 63.6 31.9 95.9
227 64.1 31.3 93.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.709 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

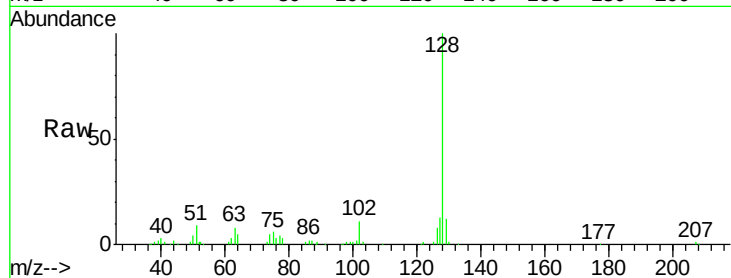
Tgt Ion:128 Resp: 156096

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

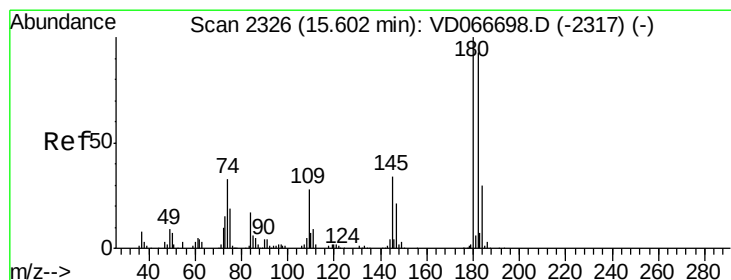
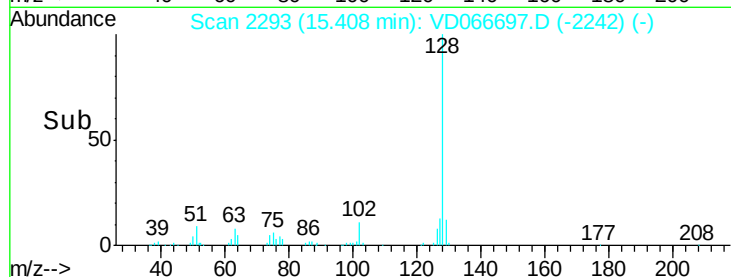
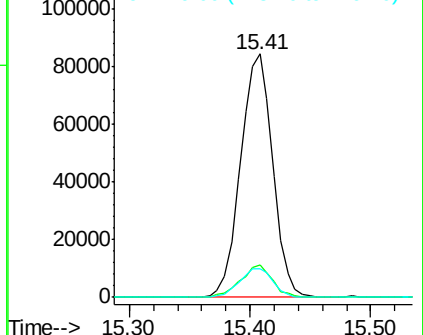
129 12.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.757 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

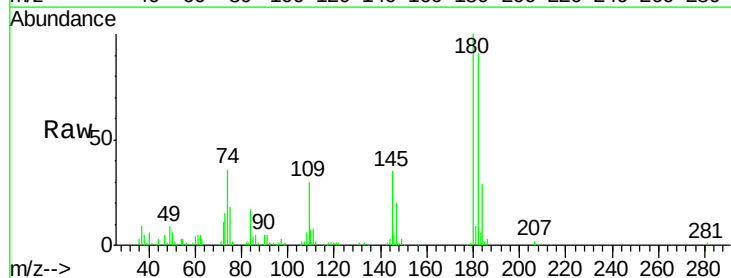
Tgt Ion:180 Resp: 82408

Ion Ratio Lower Upper

180 100

182 93.2 46.6 139.8

145 34.0 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

