

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
 Data File : VD065973.D
 Acq On : 21 Jul 2020 10:49
 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: Jul 21 12:06:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	388771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	55522	17.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.06%	
35) Dibromofluoromethane	7.92	113	59156	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
50) Toluene-d8	10.34	98	221227	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	
62) 4-Bromofluorobenzene	12.64	95	79244	17.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.44%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	66175	21.158	ug/l 95
3) Chloromethane	2.21	50	50920	20.615	ug/l 100
4) Vinyl Chloride	2.35	62	48149	20.189	ug/l 99
5) Bromomethane	2.76	94	38684	18.973	ug/l 90
6) Chloroethane	2.92	64	28276	19.675	ug/l # 88
7) Trichlorofluoromethane	3.27	101	116004	20.213	ug/l 99
8) Diethyl Ether	3.71	74	30895	20.912	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69626	20.460	ug/l 98
10) Methyl Iodide	4.30	142	39423	21.206	ug/l 98
11) Tert butyl alcohol	5.22	59	23440	87.306	ug/l # 91
12) 1,1-Dichloroethene	4.07	96	66574	20.607	ug/l 95
13) Acrolein	3.92	56	28140	108.472	ug/l 99
14) Allyl chloride	4.71	41	99737	20.112	ug/l 98
15) Acrylonitrile	5.43	53	64517	101.761	ug/l 99
16) Acetone	4.16	43	55987	87.611	ug/l 92
17) Carbon Disulfide	4.41	76	214425	20.323	ug/l 97
18) Methyl Acetate	4.72	43	28689	19.515	ug/l 93
19) Methyl tert-butyl Ether	5.48	73	132471	20.906	ug/l 98
20) Methylene Chloride	4.97	84	76676	17.392	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	74452	20.404	ug/l 95
22) Diisopropyl ether	6.36	45	195392	20.813	ug/l 98
23) Vinyl Acetate	6.31	43	543326	105.470	ug/l 95
24) 1,1-Dichloroethane	6.27	63	115689	19.701	ug/l 99
25) 2-Butanone	7.21	43	81874	97.167	ug/l 97
26) 2,2-Dichloropropane	7.21	77	104565	19.401	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	76903	20.114	ug/l 100
28) Bromochloromethane	7.55	49	49111	20.256	ug/l 98
29) Tetrahydrofuran	7.57	42	52975	103.039	ug/l 99
30) Chloroform	7.71	83	122192	20.064	ug/l 100
31) Cyclohexane	7.99	56	113053	19.184	ug/l 92
32) 1,1,1-Trichloroethane	7.91	97	111957	19.647	ug/l 99
36) 1,1-Dichloropropene	8.11	75	97697	19.906	ug/l 98
37) Ethyl Acetate	7.30	43	37190	19.753	ug/l 99
38) Carbon Tetrachloride	8.10	117	105986	20.360	ug/l 98

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Quant Time: Jul 21 12:06:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	117632	20.238	ug/l	91
40) Benzene	8.36	78	274712	20.180	ug/l	95
41) Methacrylonitrile	7.57	41	52748	37.476	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	74608	19.941	ug/l	100
43) Isopropyl Acetate	8.46	43	71086	20.513	ug/l	99
44) Trichloroethene	9.11	130	82394	20.119	ug/l	94
45) 1,2-Dichloropropane	9.39	63	66094	20.246	ug/l	95
46) Dibromomethane	9.48	93	34758	19.453	ug/l	96
47) Bromodichloromethane	9.67	83	94535	20.189	ug/l	97
48) Methyl methacrylate	9.46	41	36268	20.094	ug/l	99
49) 1,4-Dioxane	9.46	88	8277	419.077	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	178979	101.148	ug/l	98
52) Toluene	10.41	92	180312	20.569	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	87056	21.033	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	104082	20.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	49269	20.036	ug/l	93
56) Ethyl methacrylate	10.67	69	56135	20.313	ug/l	94
57) 1,3-Dichloropropane	10.95	76	84688	20.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	137687	102.079	ug/l	98
59) 2-Hexanone	10.98	43	124588	102.464	ug/l	97
60) Dibromochloromethane	11.14	129	68835	20.717	ug/l	100
61) 1,2-Dibromoethane	11.25	107	47389	19.925	ug/l	96
64) Tetrachloroethene	10.88	164	73075	21.094	ug/l	95
65) Chlorobenzene	11.67	112	194543	20.811	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	70111	20.270	ug/l	95
67) Ethyl Benzene	11.75	91	335637	20.934	ug/l	97
68) m/p-Xylenes	11.86	106	263094	42.431	ug/l	99
69) o-Xylene	12.18	106	117963	21.371	ug/l	98
70) Styrene	12.20	104	205496	21.507	ug/l	98
71) Bromoform	12.36	173	41392	21.294	ug/l #	99
73) Isopropylbenzene	12.48	105	328204	20.806	ug/l	98
74) N-amyl acetate	12.30	43	63559	20.032	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	54688	20.961	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	68059	29.075	ug/l #	100
77) Bromobenzene	12.77	156	83497	20.505	ug/l	97
78) n-propylbenzene	12.83	91	378082	20.455	ug/l	99
79) 2-Chlorotoluene	12.91	91	214114	20.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	271086	20.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16809	20.149	ug/l	98
82) 4-Chlorotoluene	13.01	91	231546	20.658	ug/l	100
83) tert-Butylbenzene	13.23	119	233584	20.470	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	269863	20.939	ug/l	100
85) sec-Butylbenzene	13.41	105	321845	20.399	ug/l	98
86) p-Isopropyltoluene	13.52	119	298262	20.994	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	156568	20.367	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	155074	20.127	ug/l	99
89) n-Butylbenzene	13.85	91	270324	20.572	ug/l	99
90) Hexachloroethane	14.12	117	59370	20.358	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	134310	20.405	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8475	20.391	ug/l	97

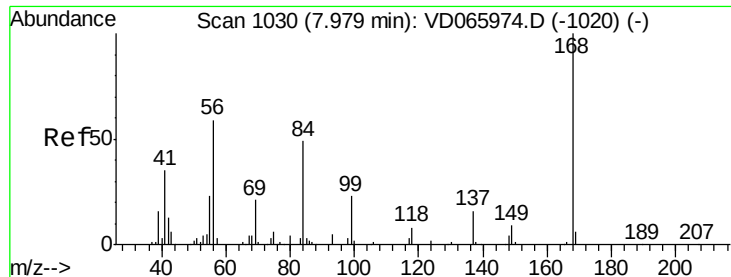
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
Data File : VD065973.D
Acq On : 21 Jul 2020 10:49
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Sample : VSTDICC020
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:03:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93991	20.550	ug/l	97
94) Hexachlorobutadiene	15.27	225	59051	20.619	ug/l	99
95) Naphthalene	15.41	128	147599	21.134	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81540	20.371	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

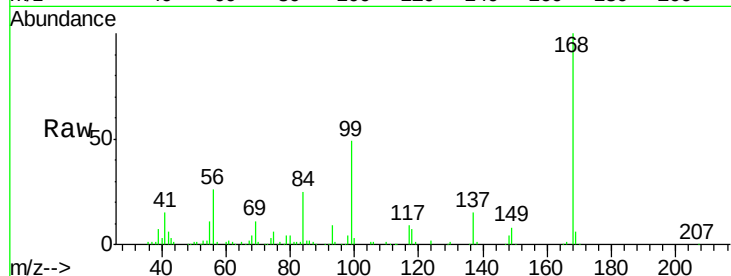
VSTDIC020

Tgt Ion:168 Resp: 388771

Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

0

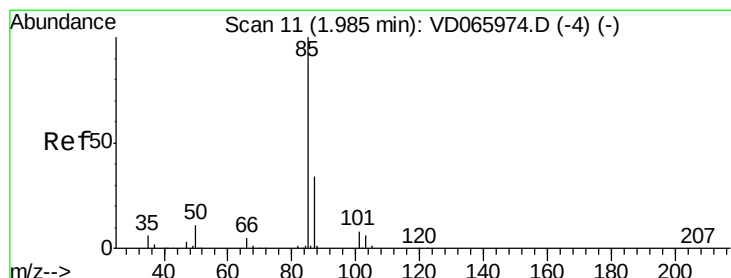
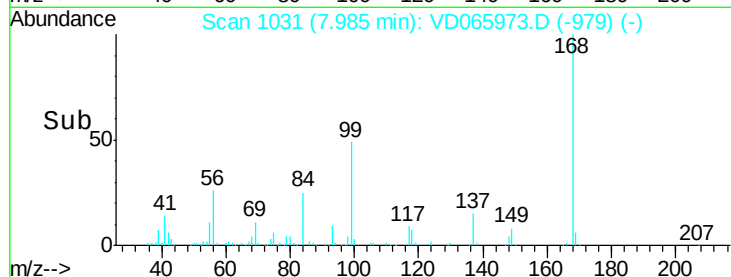
7.99

7.95

8.00

8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.158 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065973.D

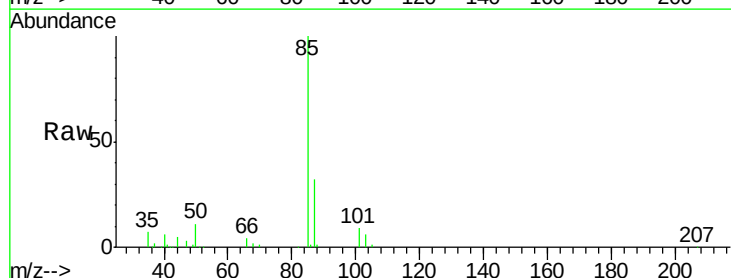
Acq: 21 Jul 2020 10:49

Tgt Ion: 85 Resp: 66175

Ion Ratio Lower Upper

85 100

87 31.5 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

20000

10000

0

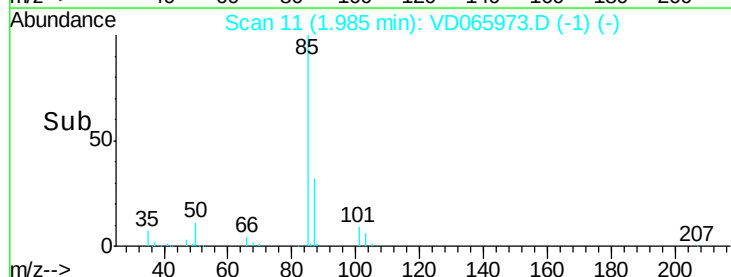
1.99

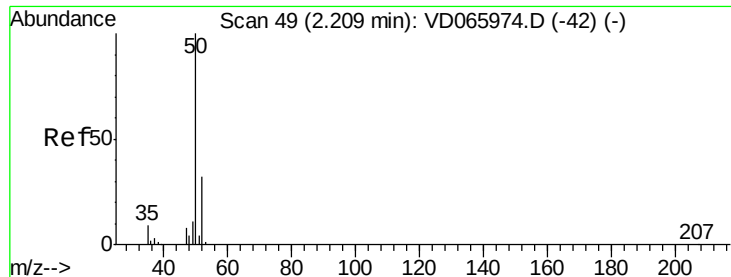
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.615 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

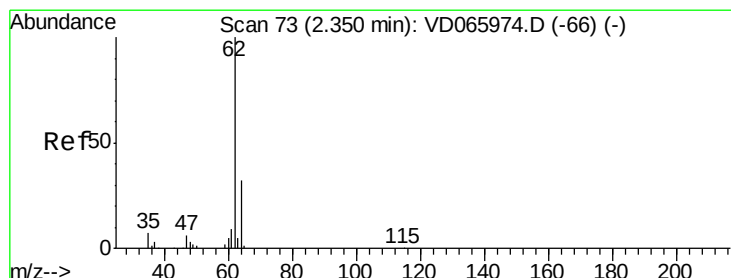
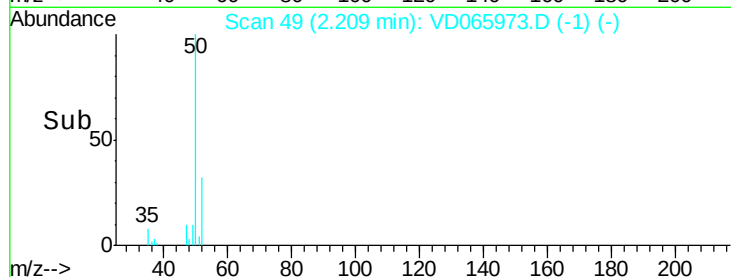
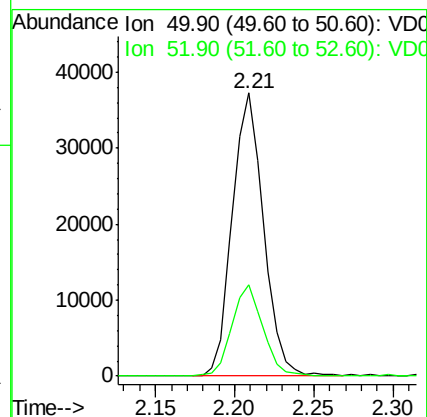
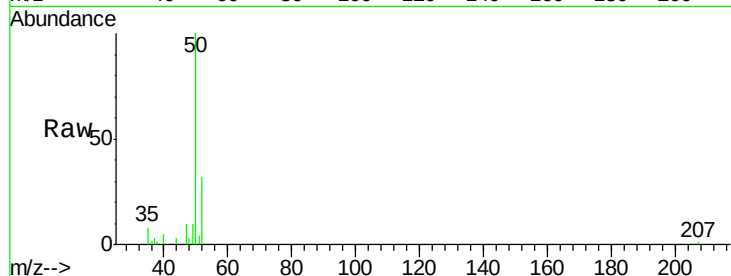
VSTDIC020

Tgt Ion: 50 Resp: 50920

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8



#4

Vinyl Chloride

Concen: 20.189 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065973.D

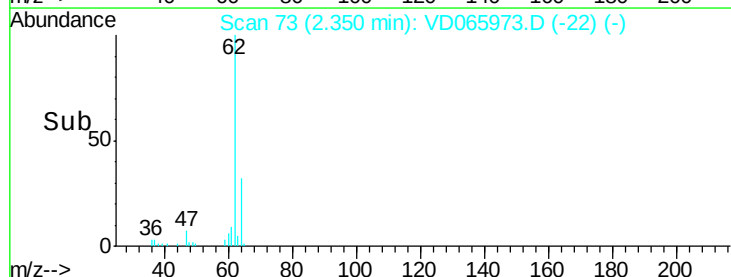
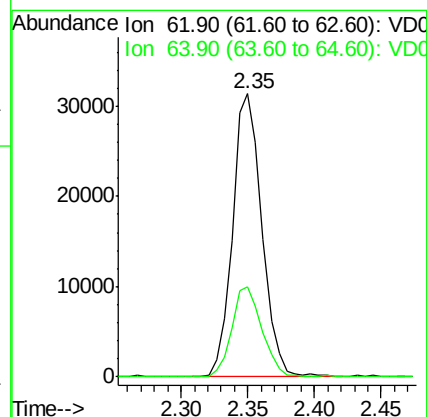
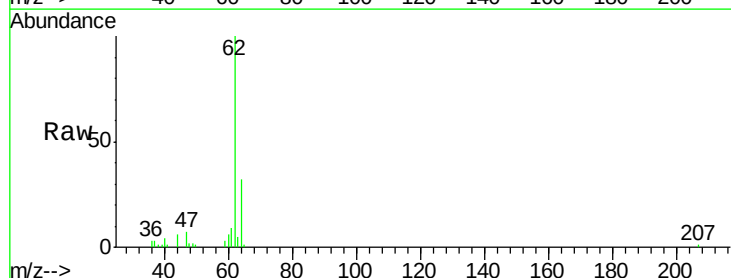
Acq: 21 Jul 2020 10:49

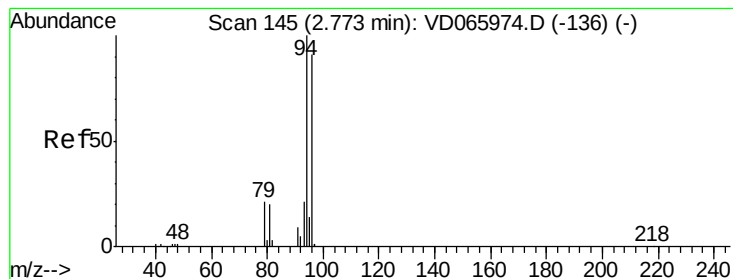
Tgt Ion: 62 Resp: 48149

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 18.973 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

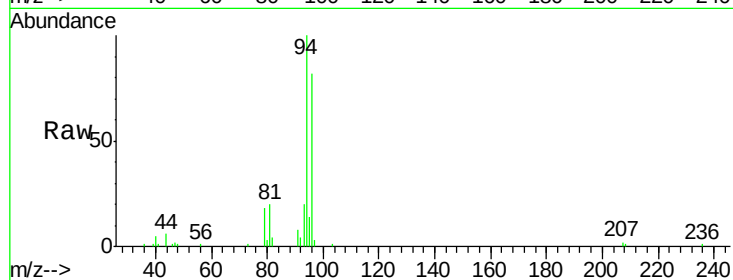
VSTDIC020

Tgt Ion: 94 Resp: 38684

Ion Ratio Lower Upper

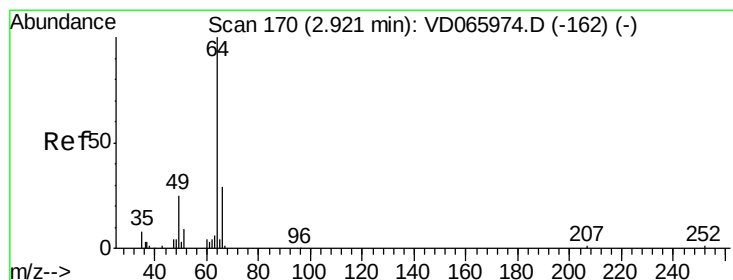
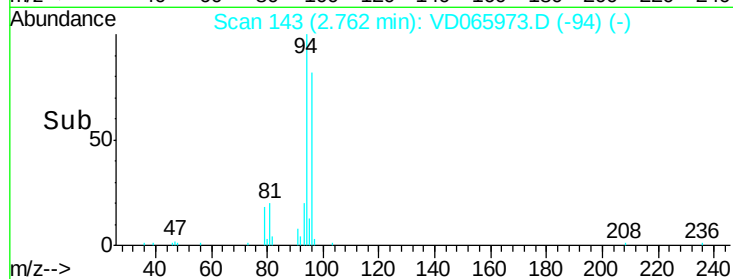
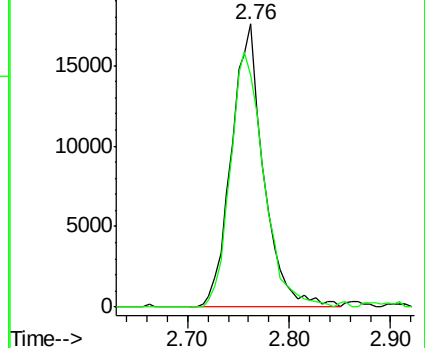
94 100

96 82.1 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.675 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065973.D

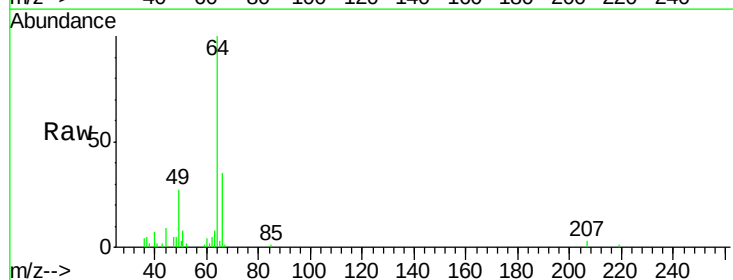
Acq: 21 Jul 2020 10:49

Tgt Ion: 64 Resp: 28276

Ion Ratio Lower Upper

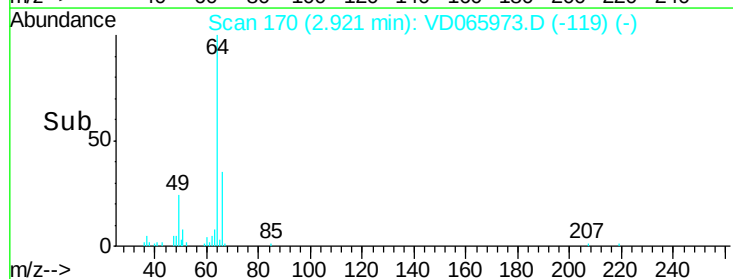
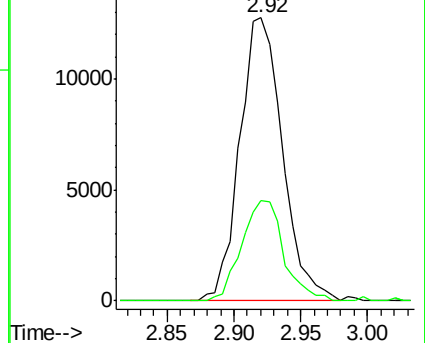
64 100

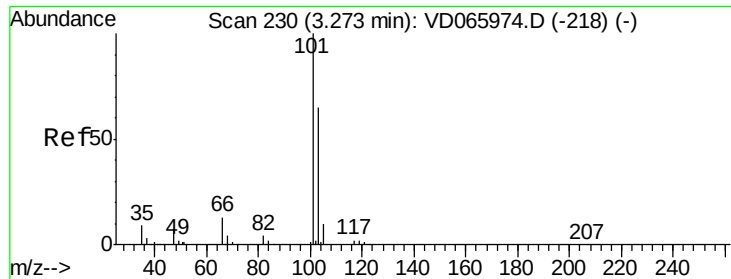
66 35.4 23.4 35.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



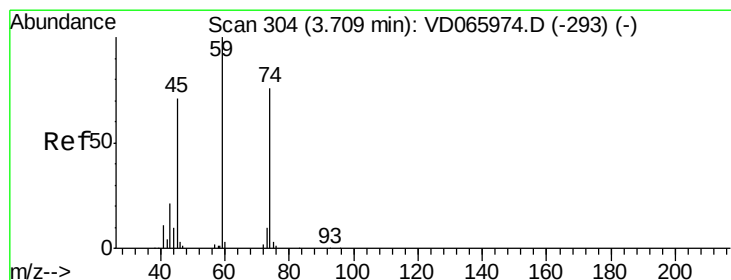
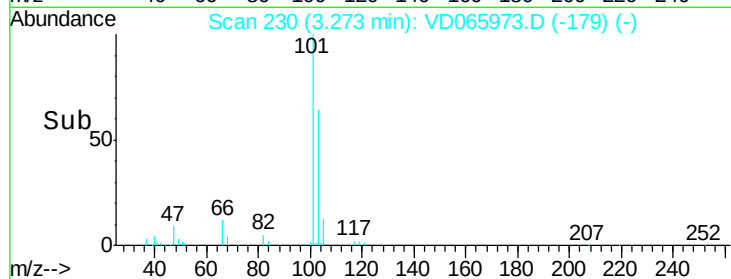
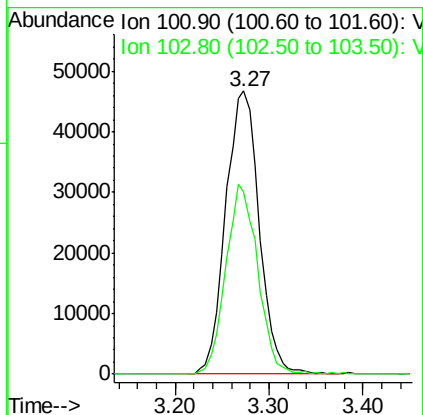
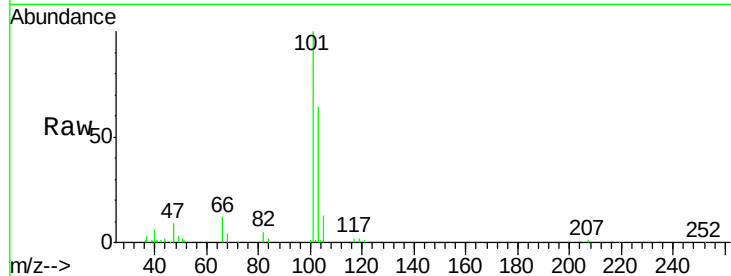


#7

Trichlorofluoromethane
 Concen: 20.213 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
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 ClientSampleId :
 VSTDIC020

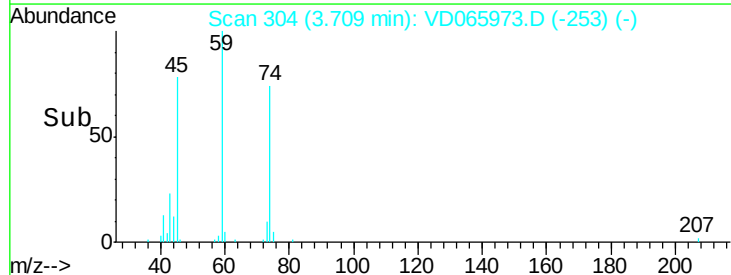
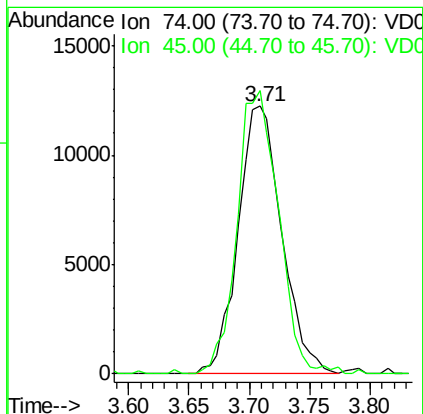
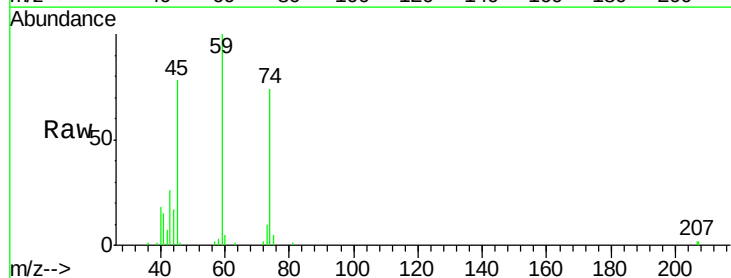
Tgt Ion:101 Resp: 116004
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.1 78.1

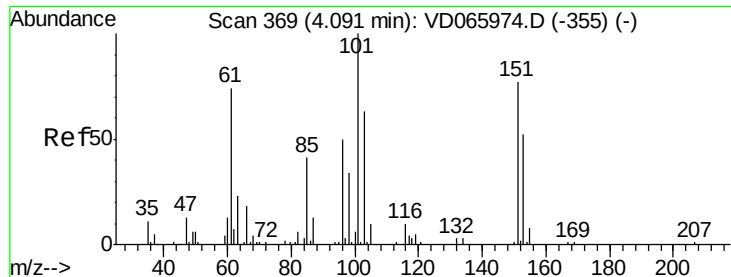


#8

Diethyl Ether
 Concen: 20.912 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 74 Resp: 30895
 Ion Ratio Lower Upper
 74 100
 45 99.8 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.460 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

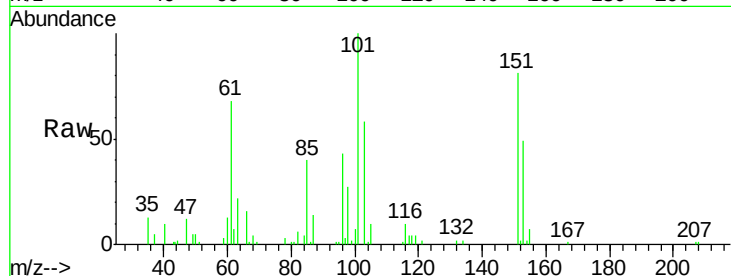
Tgt Ion:101 Resp: 69626

Ion Ratio Lower Upper

101 100

85 40.6 33.6 50.4

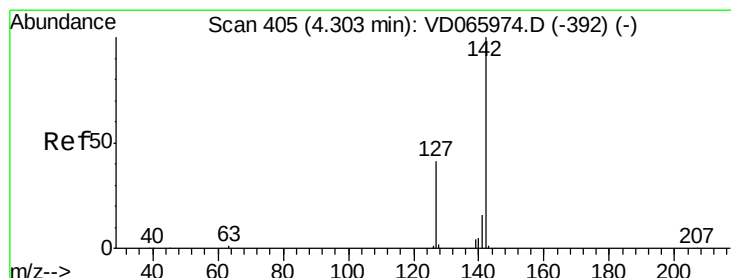
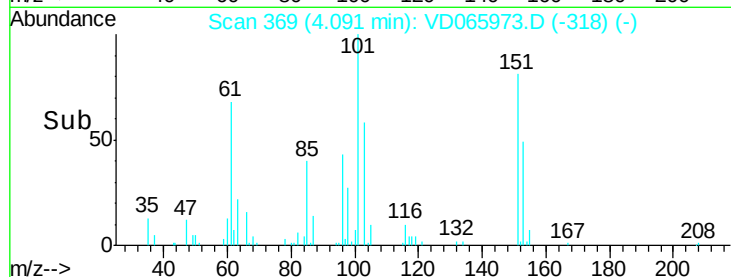
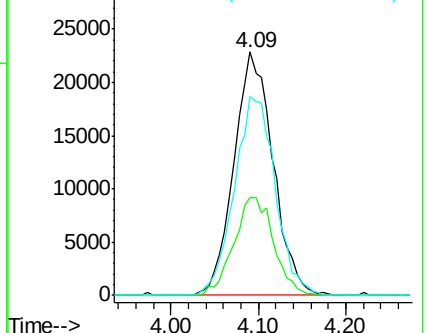
151 85.1 66.6 99.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.206 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

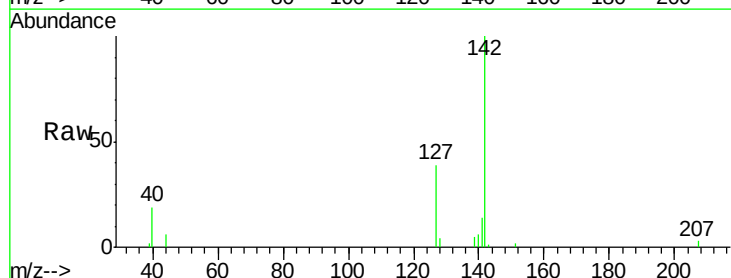
Tgt Ion:142 Resp: 39423

Ion Ratio Lower Upper

142 100

127 39.4 32.9 49.3

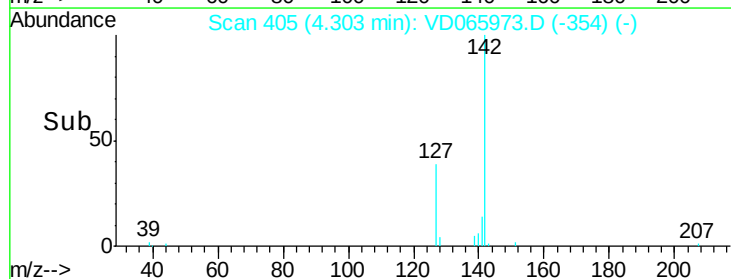
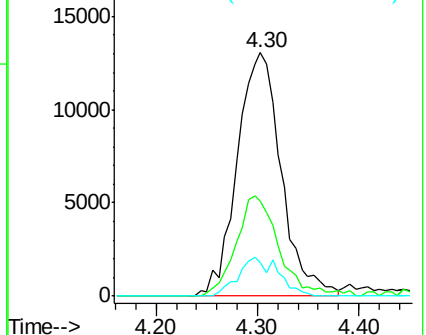
141 14.5 11.8 17.6

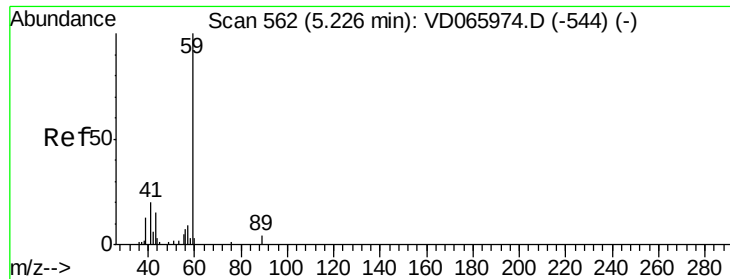


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

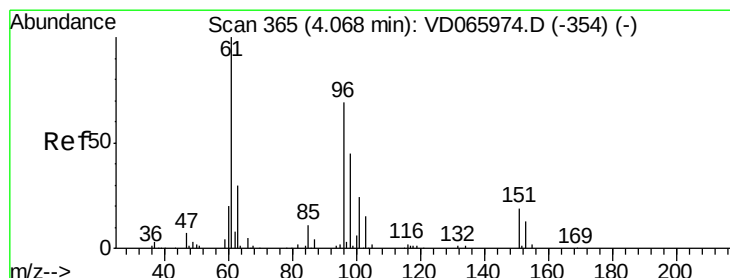
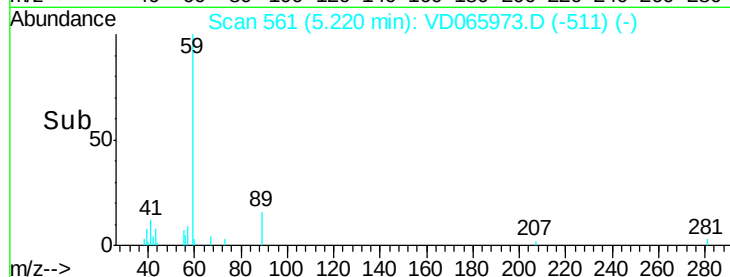
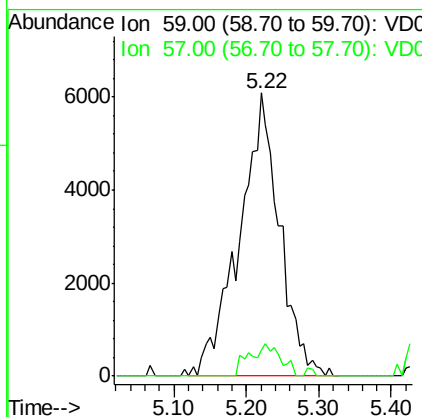
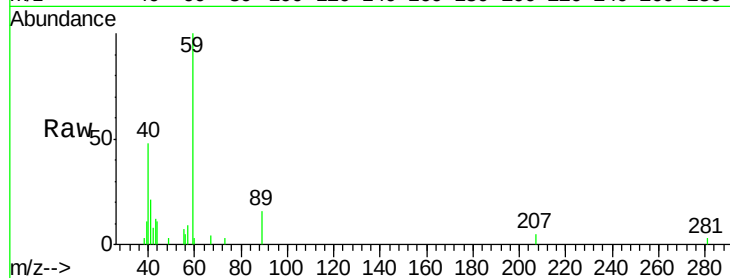




#11
Tert butyl alcohol
Concen: 87.306 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

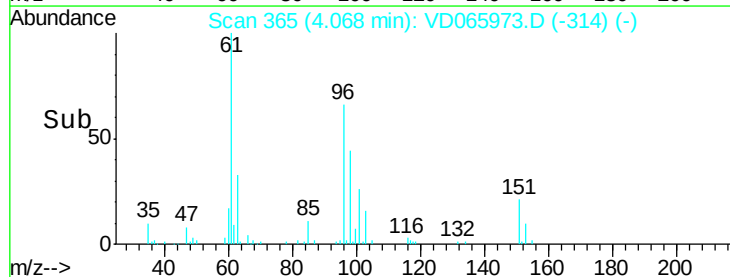
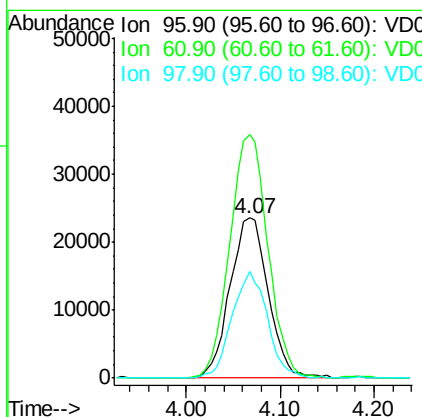
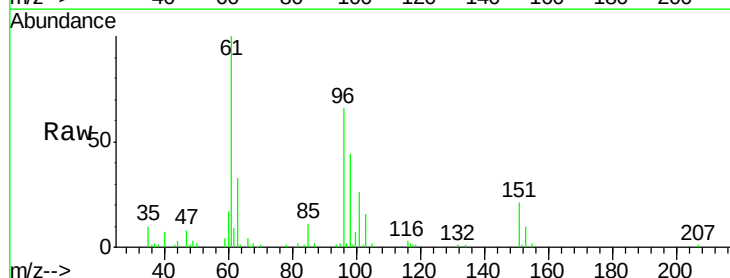
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

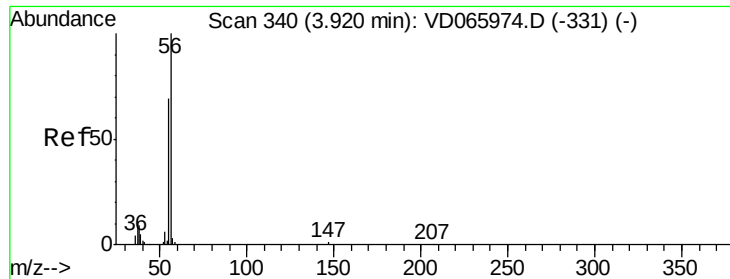
Tgt Ion: 59 Resp: 23440
Ion Ratio Lower Upper
59 100
57 8.7 4.5 6.7#



#12
1,1-Dichloroethene
Concen: 20.607 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 96 Resp: 66574
Ion Ratio Lower Upper
96 100
61 152.3 115.4 173.0
98 66.8 51.5 77.3





#13

Acrolein

Concen: 108.472 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

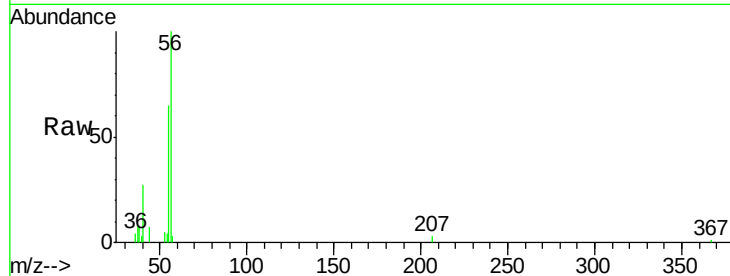
VSTDIC020

Tgt Ion: 56 Resp: 28140

Ion Ratio Lower Upper

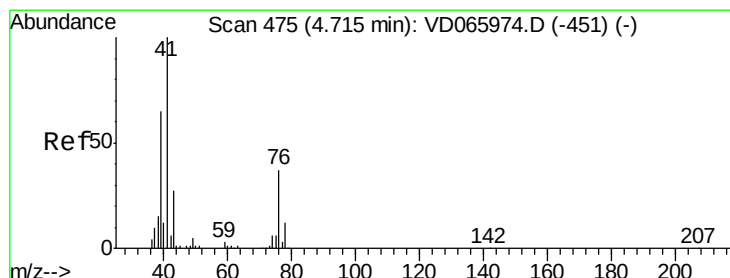
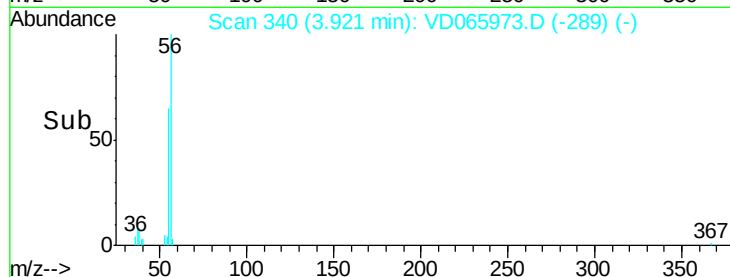
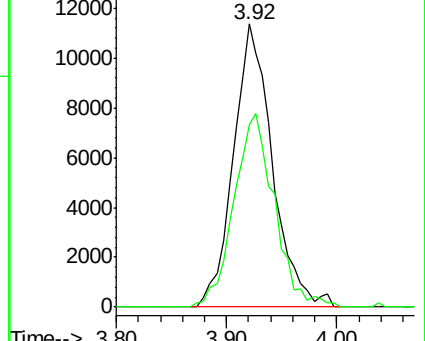
56 100

55 71.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.112 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

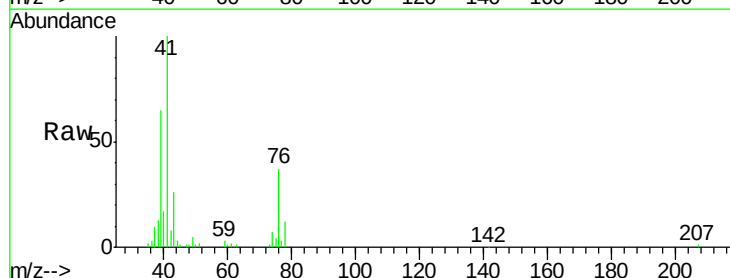
Tgt Ion: 41 Resp: 99737

Ion Ratio Lower Upper

41 100

39 65.0 53.4 80.2

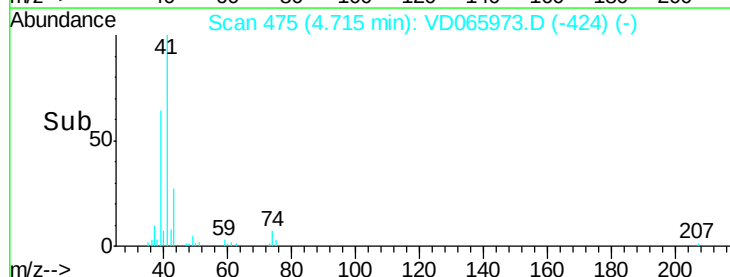
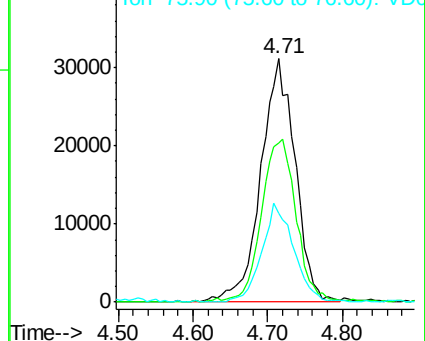
76 37.8 29.1 43.7

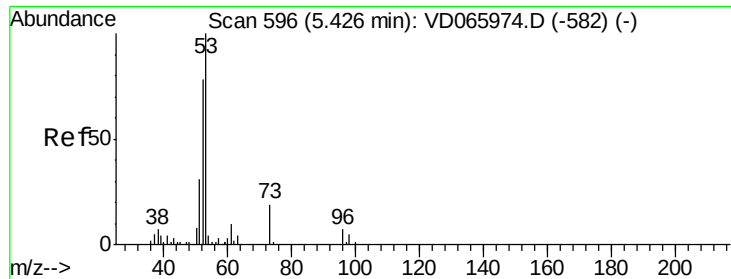


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 101.761 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

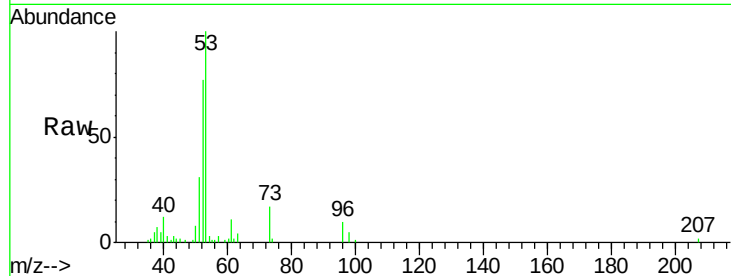
Tgt Ion: 53 Resp: 64517

Ion Ratio Lower Upper

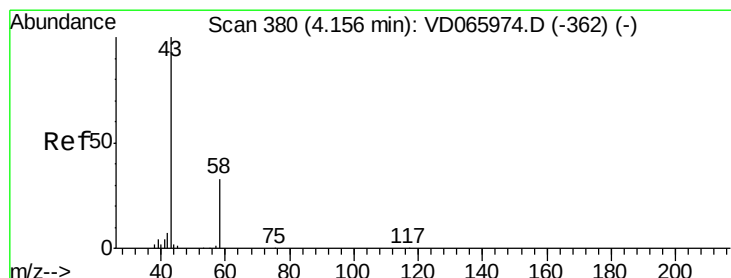
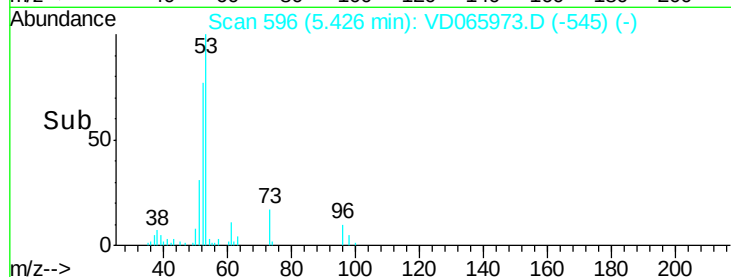
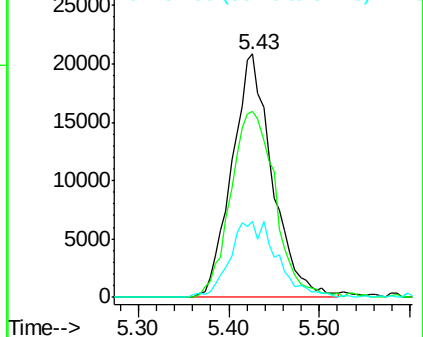
53 100

52 84.5 67.1 100.7

51 36.3 28.7 43.1



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: 87.611 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065973.D

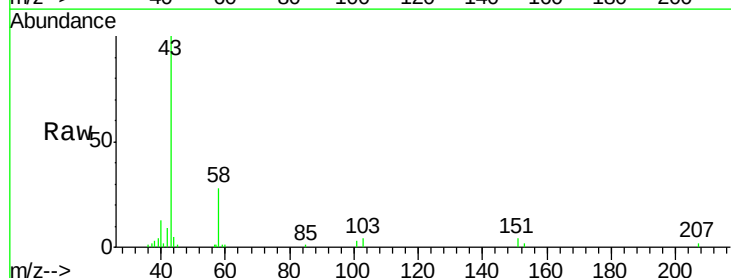
Acq: 21 Jul 2020 10:49

Tgt Ion: 43 Resp: 55987

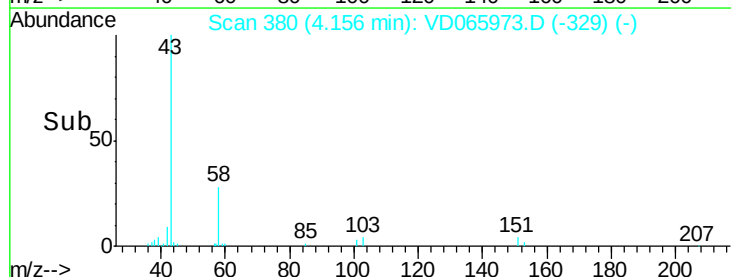
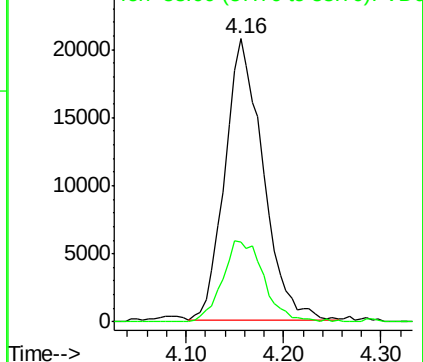
Ion Ratio Lower Upper

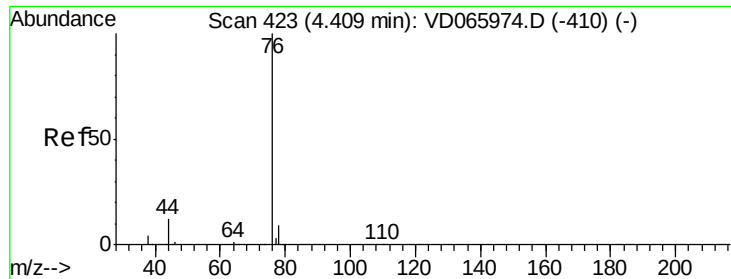
43 100

58 28.3 26.3 39.5



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





#17

Carbon Disulfide

Concen: 20.323 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

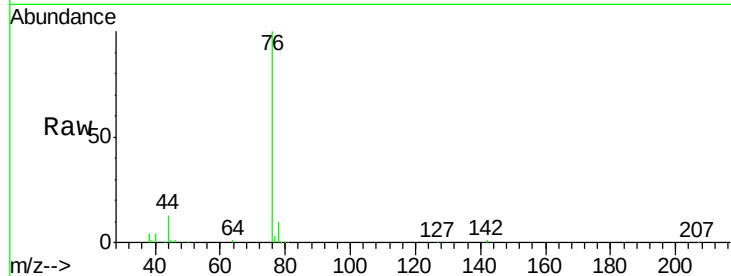
VSTDIC020

Tgt Ion: 76 Resp: 214425

Ion Ratio Lower Upper

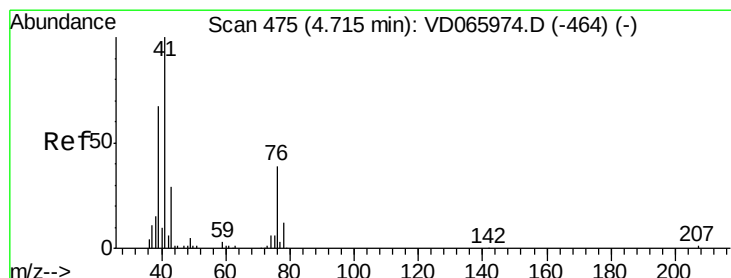
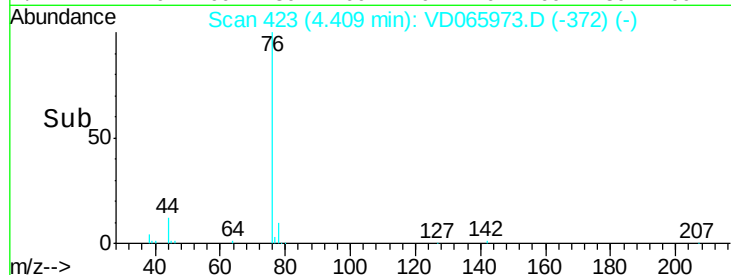
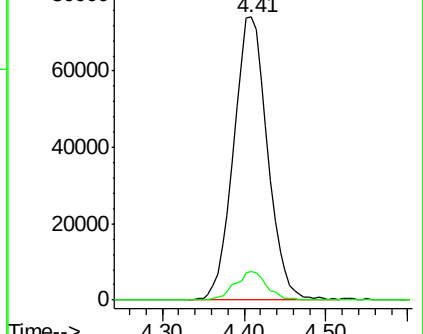
76 100

78 10.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.515 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065973.D

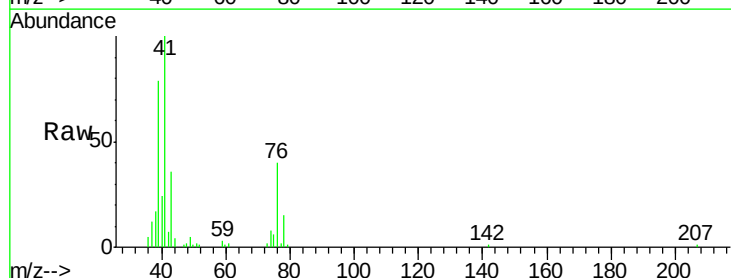
Acq: 21 Jul 2020 10:49

Tgt Ion: 43 Resp: 28689

Ion Ratio Lower Upper

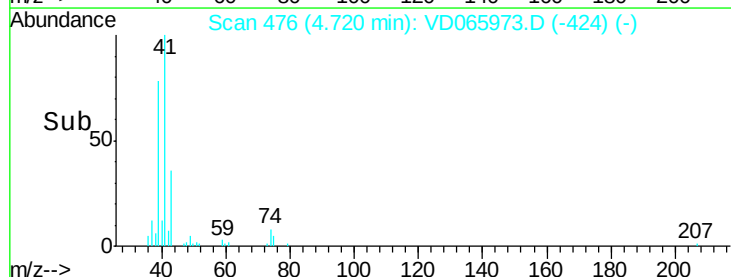
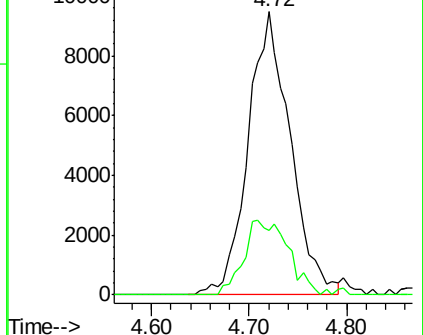
43 100

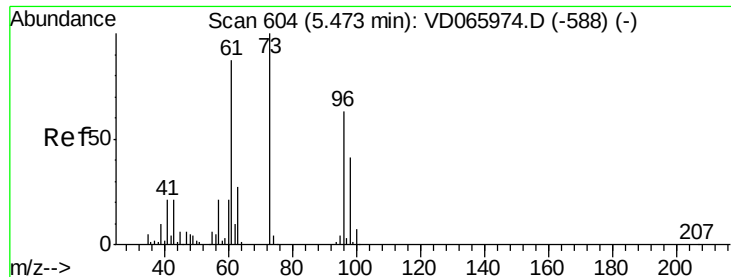
74 27.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



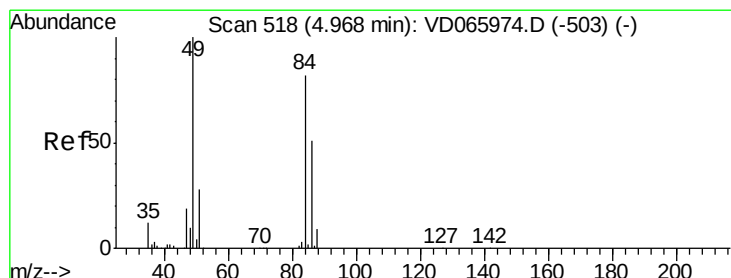
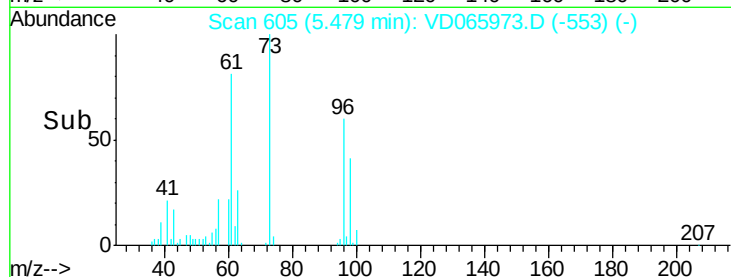
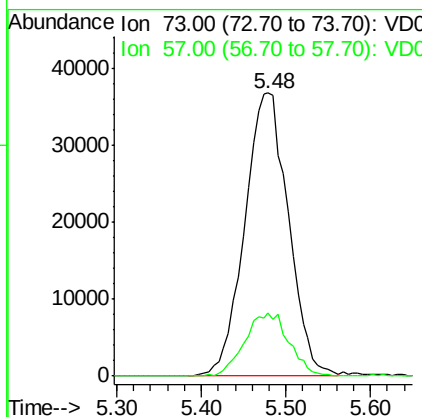
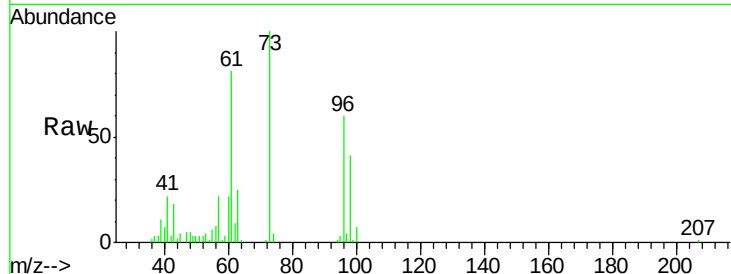


#19

Methyl tert-butyl Ether
 Concen: 20.906 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

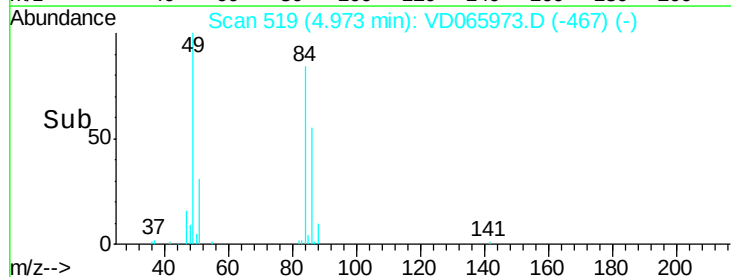
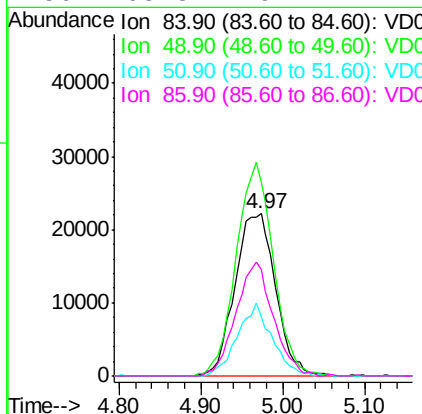
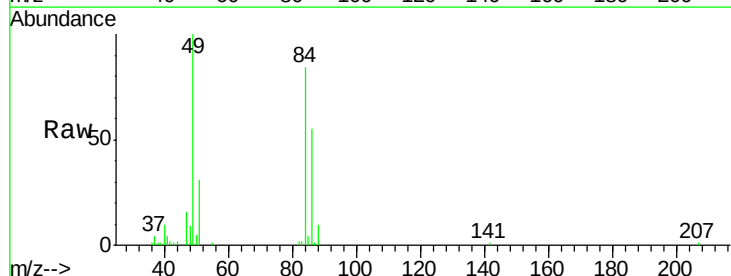
Tgt Ion: 73 Resp: 132471
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.0 25.4

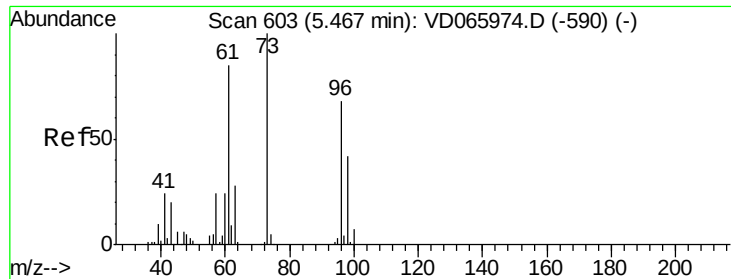


#20

Methylene Chloride
 Concen: 17.392 ug/l
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 84 Resp: 76676
 Ion Ratio Lower Upper
 84 100
 49 119.3 97.7 146.5
 51 36.4 27.4 41.2
 86 65.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.404 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

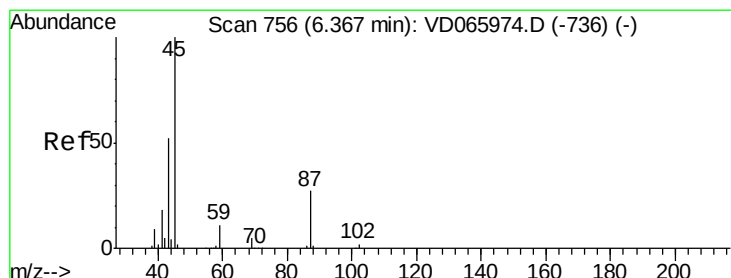
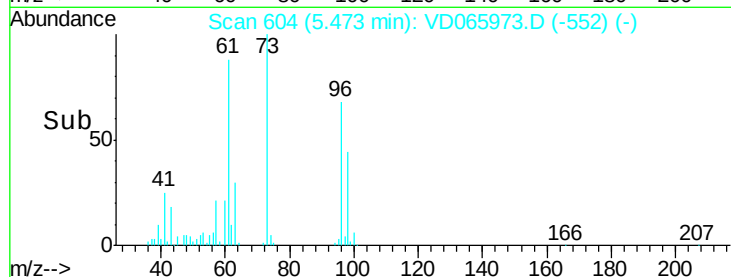
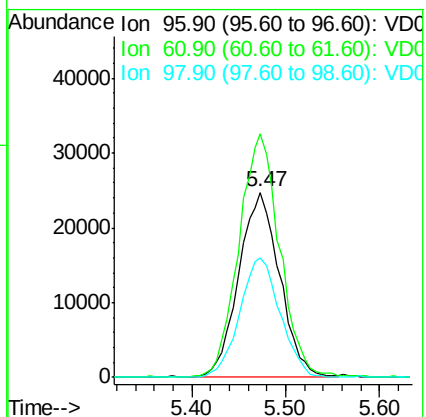
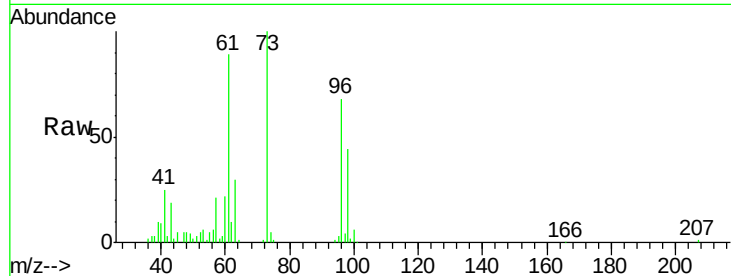
Tgt Ion: 96 Resp: 74452

Ion Ratio Lower Upper

96 100

61 131.4 100.5 150.7

98 64.8 49.7 74.5



#22

Diisopropyl ether

Concen: 20.813 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion: 45 Resp: 195392

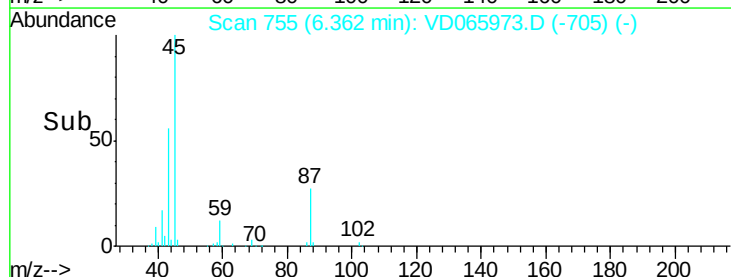
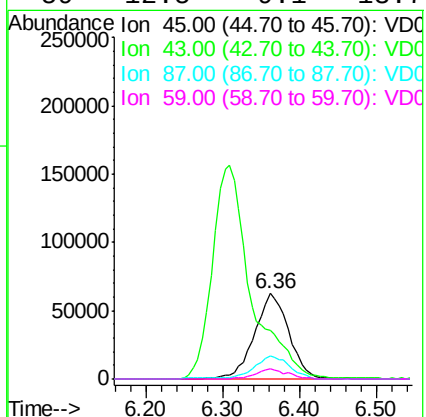
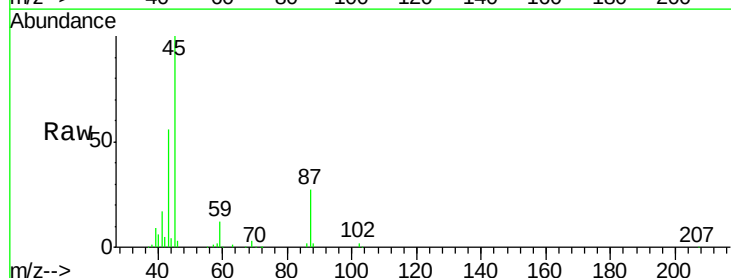
Ion Ratio Lower Upper

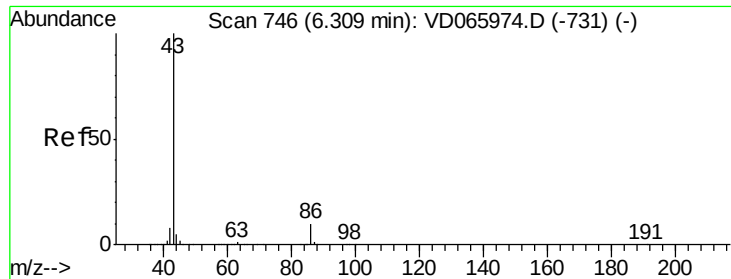
45 100

43 55.4 43.0 64.4

87 26.8 22.0 33.0

59 12.5 9.1 13.7





#23

Vinyl Acetate

Concen: 105.470 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

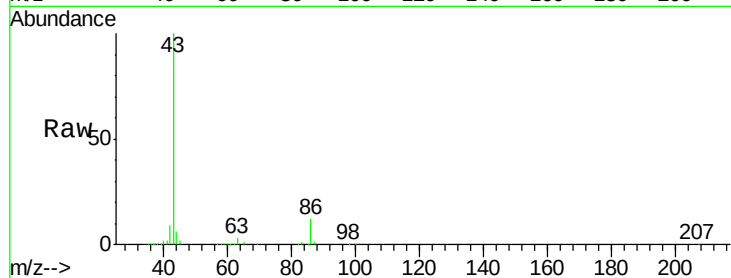
VSTDIC020

Tgt Ion: 43 Resp: 543326

Ion Ratio Lower Upper

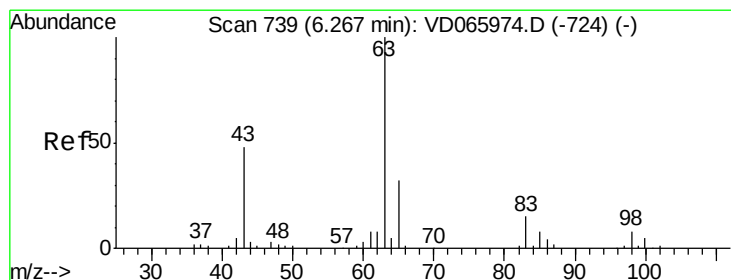
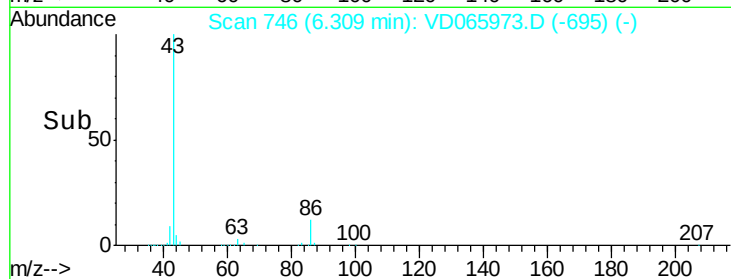
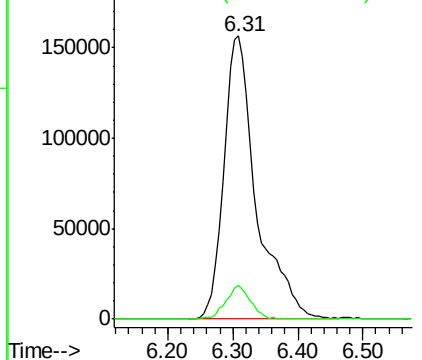
43 100

86 11.8 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.701 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

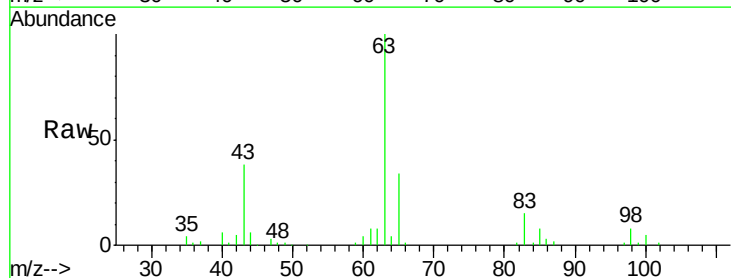
Tgt Ion: 63 Resp: 115689

Ion Ratio Lower Upper

63 100

98 8.0 4.3 12.8

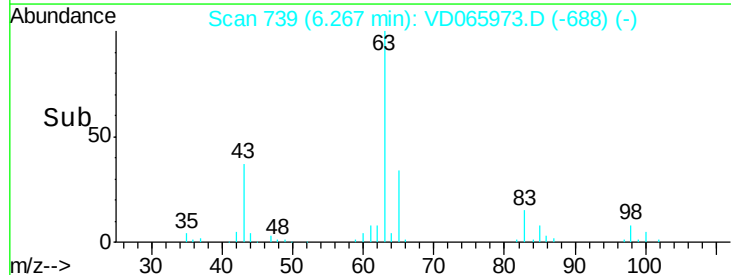
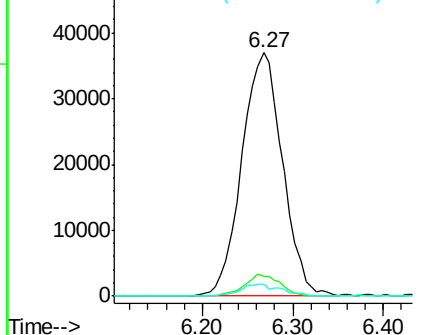
100 4.7 2.5 7.5

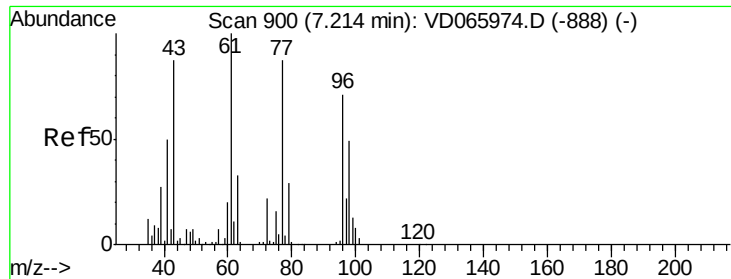


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.167 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

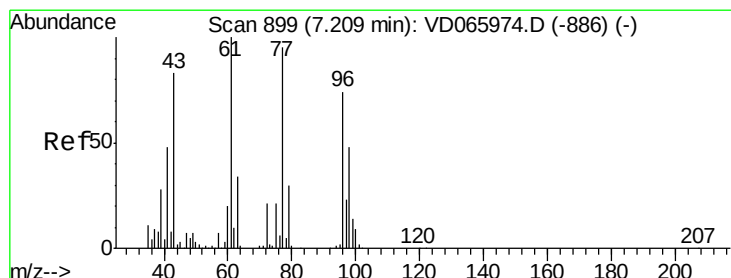
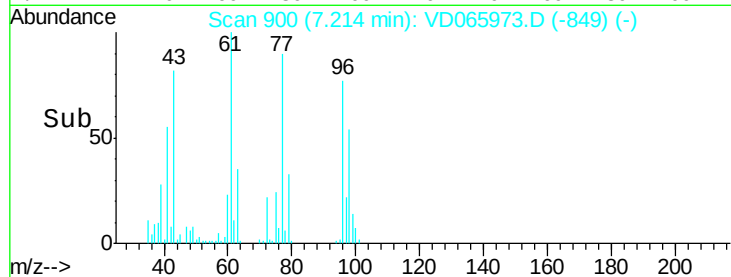
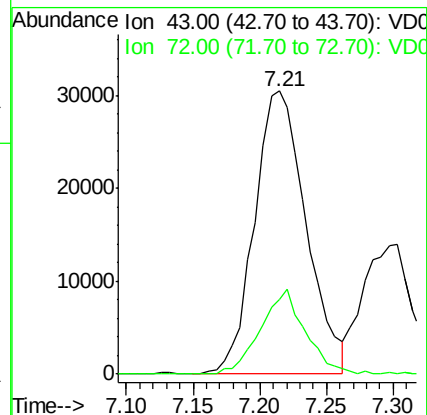
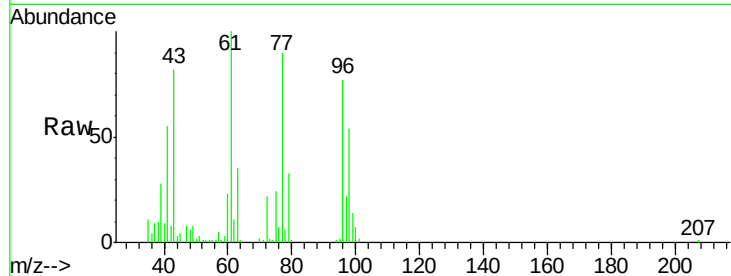
VSTDIC020

Tgt Ion: 43 Resp: 81874

Ion Ratio Lower Upper

43 100

72 26.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.401 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065973.D

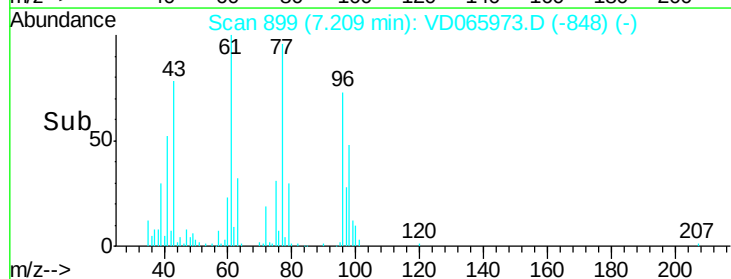
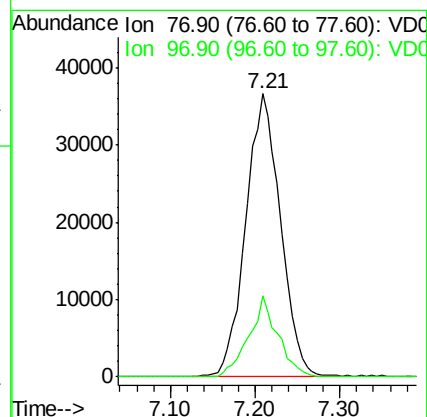
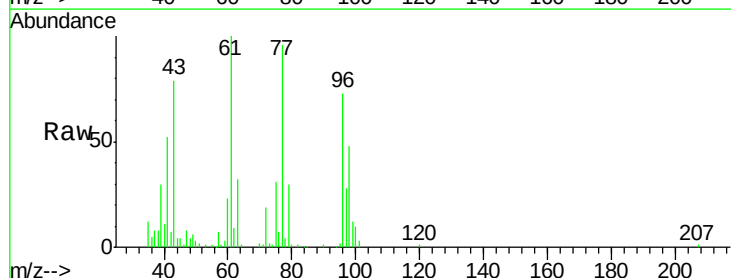
Acq: 21 Jul 2020 10:49

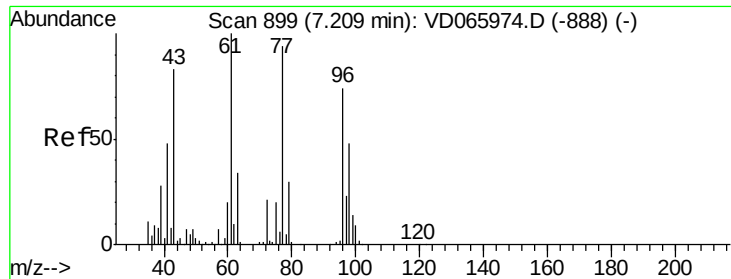
Tgt Ion: 77 Resp: 104565

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7



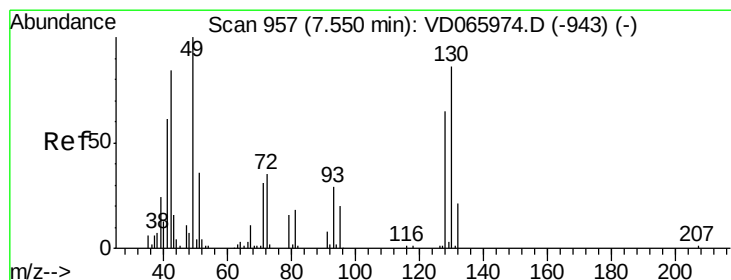
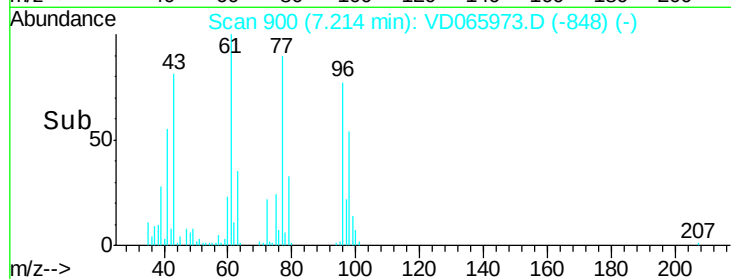
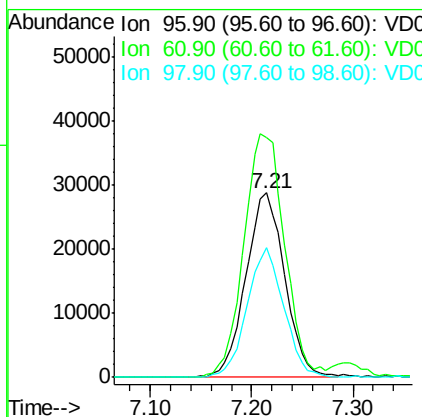
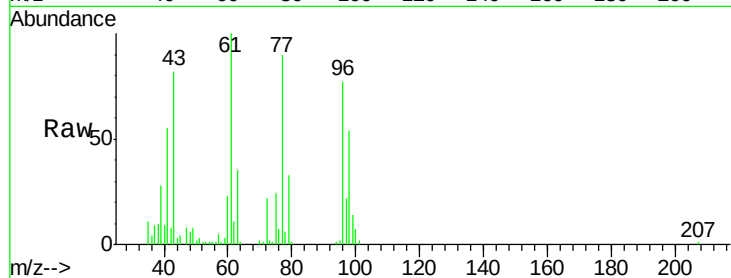


#27

cis-1,2-Dichloroethene
 Concen: 20.114 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

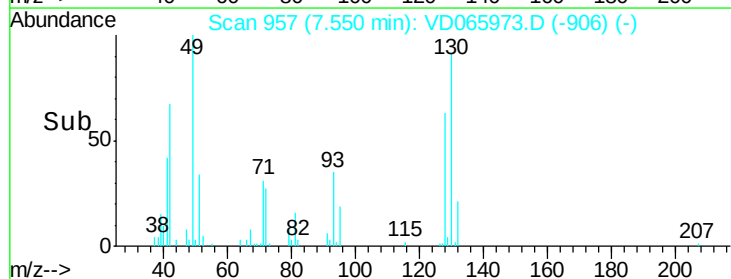
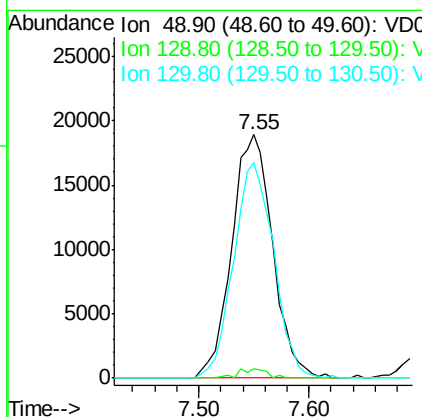
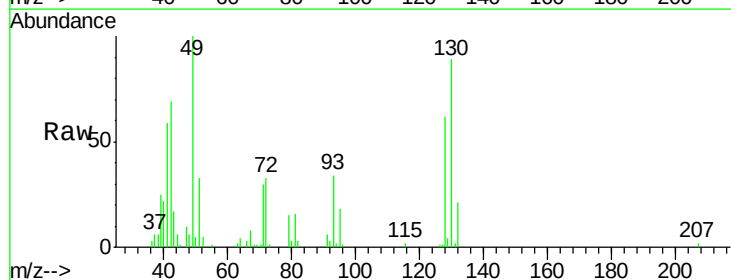
Tgt Ion: 96 Resp: 76903
 Ion Ratio Lower Upper
 96 100
 61 138.3 0.0 276.6
 98 65.9 0.0 130.8

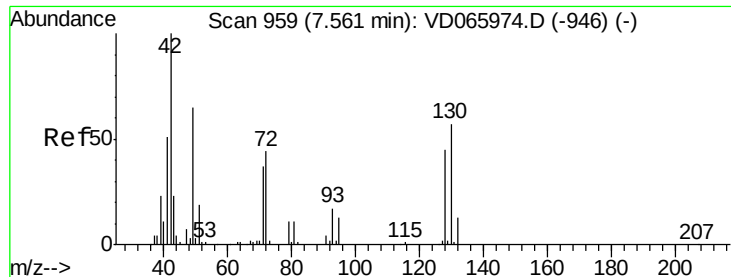


#28

Bromochloromethane
 Concen: 20.256 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 49 Resp: 49111
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.8
 130 87.2 68.4 102.6

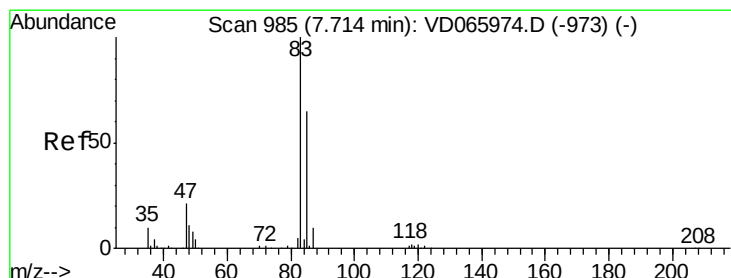
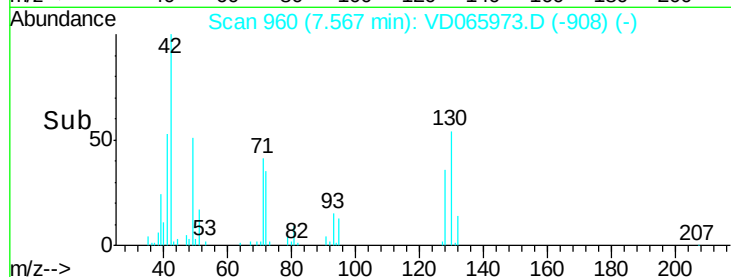
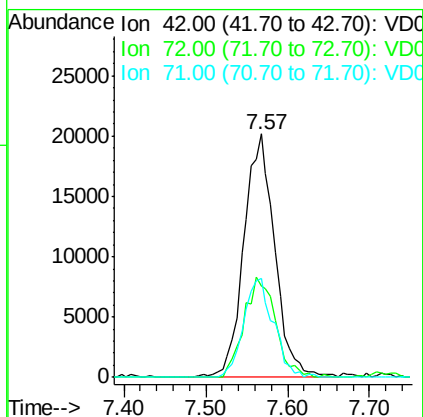
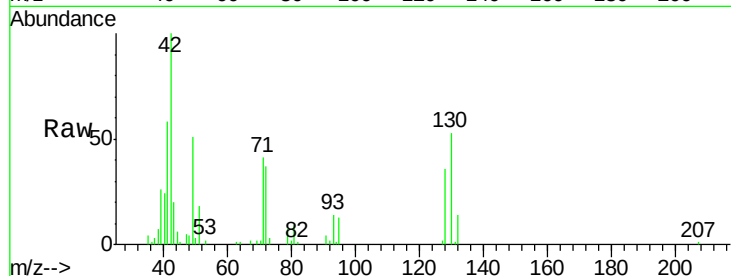




#29
Tetrahydrofuran
Concen: 103.039 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

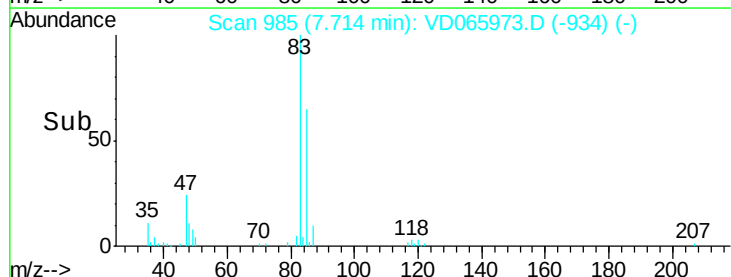
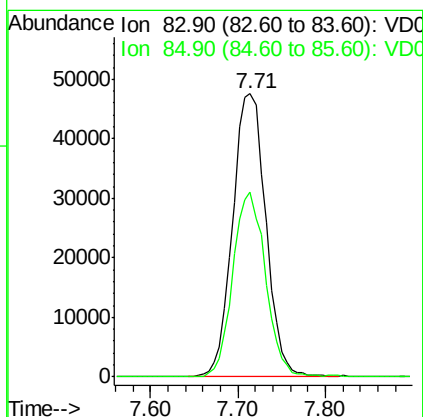
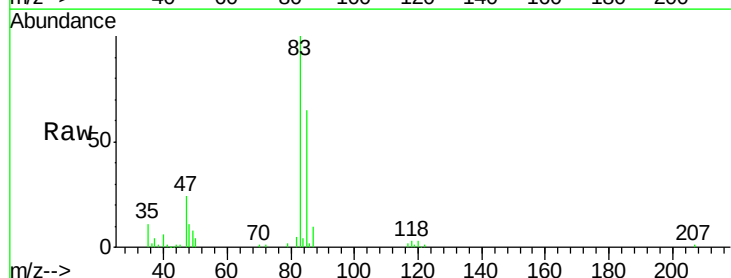
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

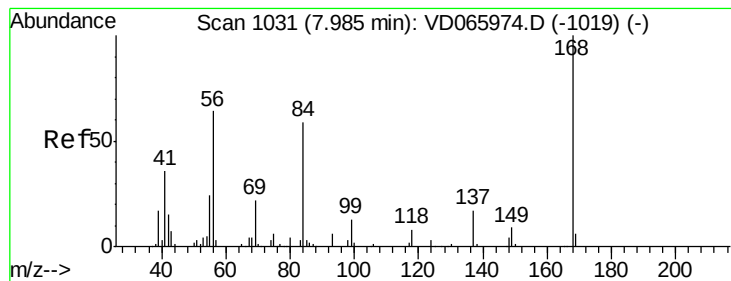
Tgt Ion: 42 Resp: 52975
Ion Ratio Lower Upper
42 100
72 41.7 34.2 51.2
71 39.0 31.4 47.2



#30
Chloroform
Concen: 20.064 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 83 Resp: 122192
Ion Ratio Lower Upper
83 100
85 65.3 52.1 78.1





#31

Cyclohexane

Concen: 19.184 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

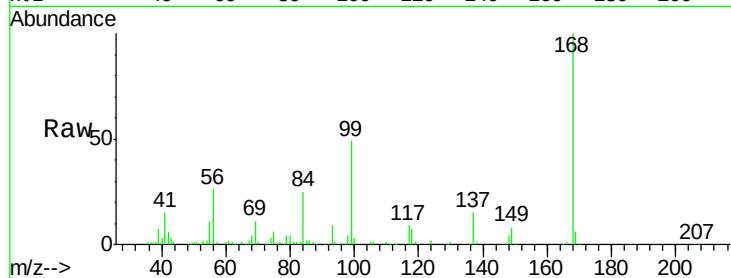
Tgt Ion: 56 Resp: 113053

Ion Ratio Lower Upper

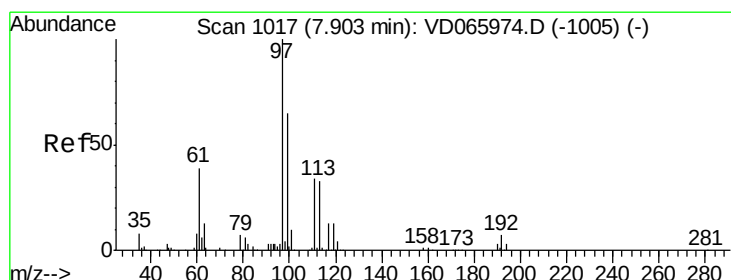
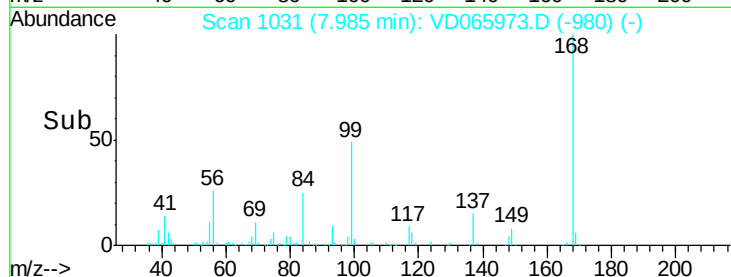
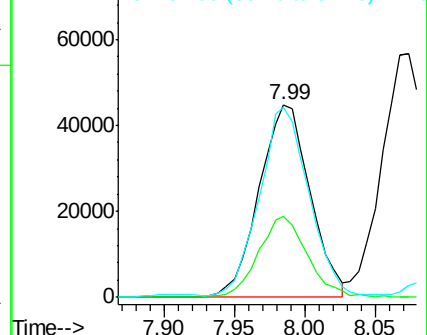
56 100

69 41.8 28.0 42.0

84 97.0 72.6 109.0



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: 19.647 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

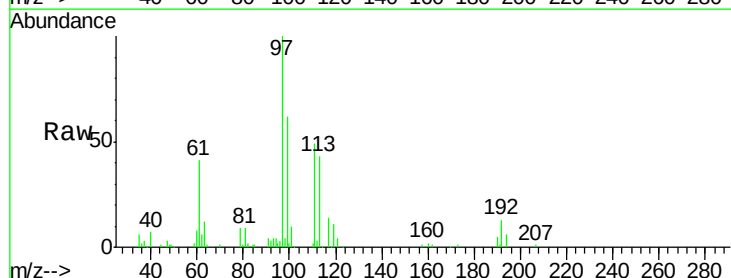
Tgt Ion: 97 Resp: 111957

Ion Ratio Lower Upper

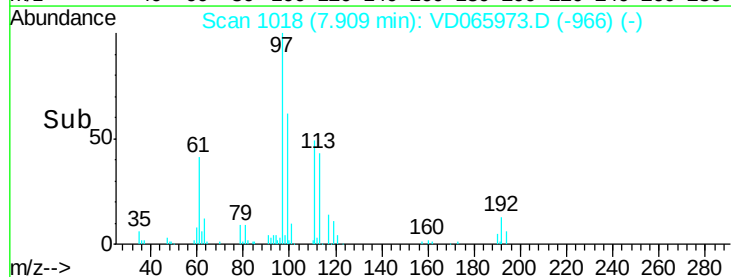
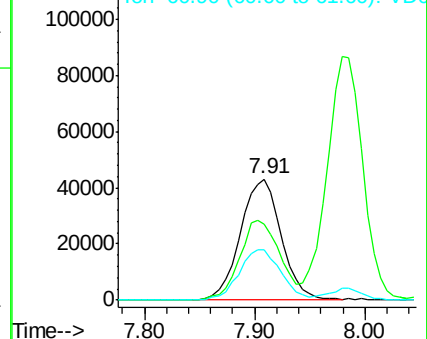
97 100

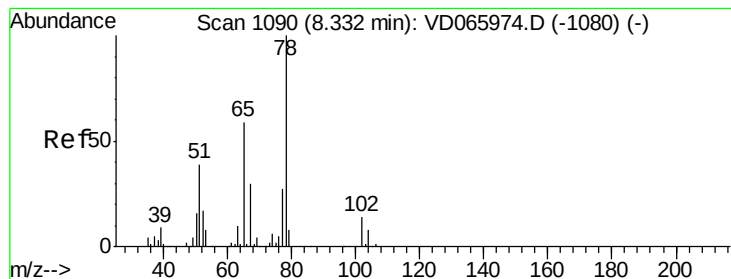
99 64.4 51.8 77.6

61 42.4 33.3 49.9



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: 17.534 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

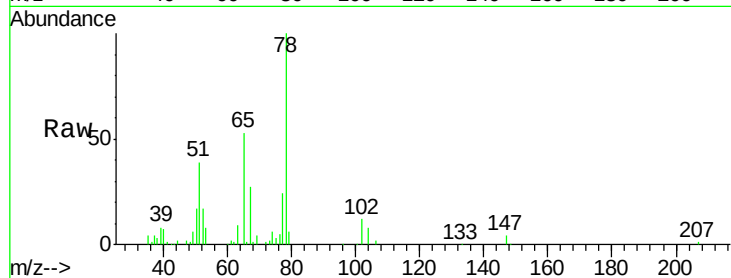
VSTDIC020

Tgt Ion: 65 Resp: 55522

Ion Ratio Lower Upper

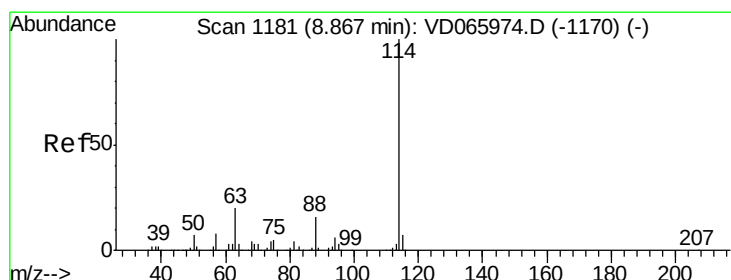
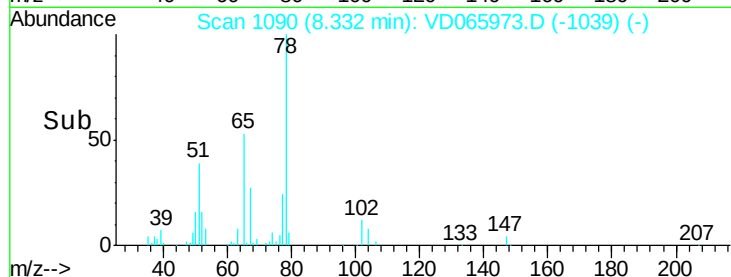
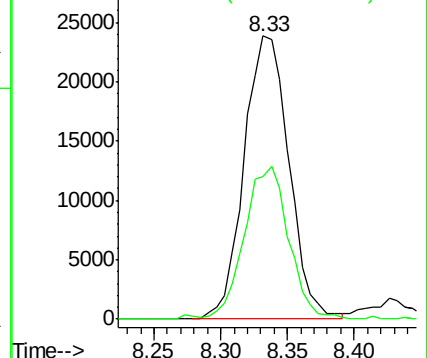
65 100

67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

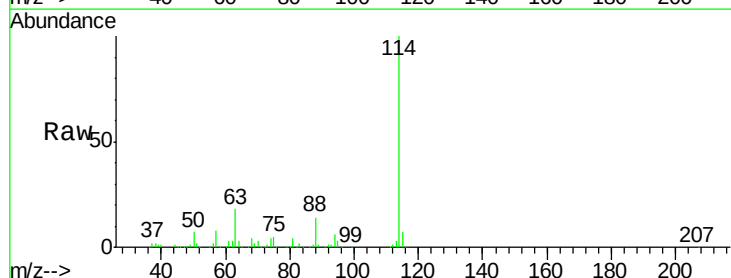
Tgt Ion: 114 Resp: 565190

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.6

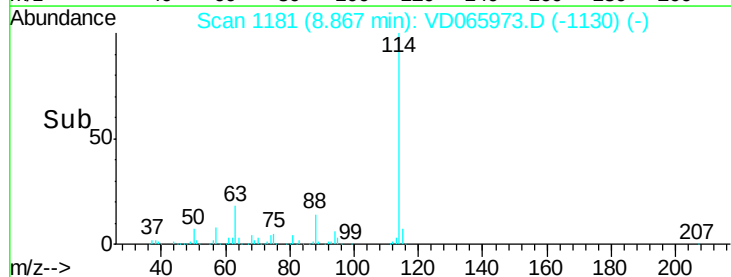
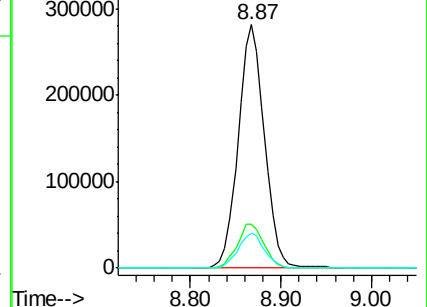
88 14.4 0.0 31.2

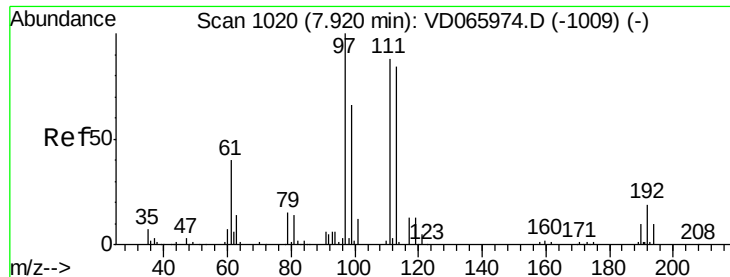


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

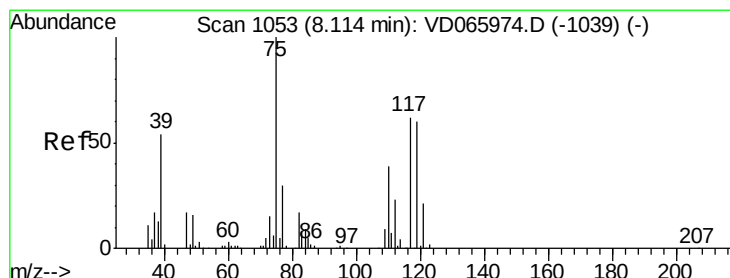
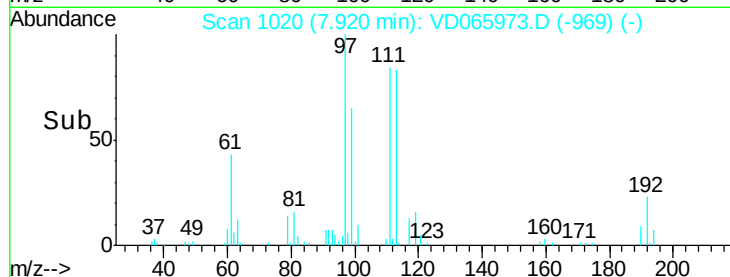
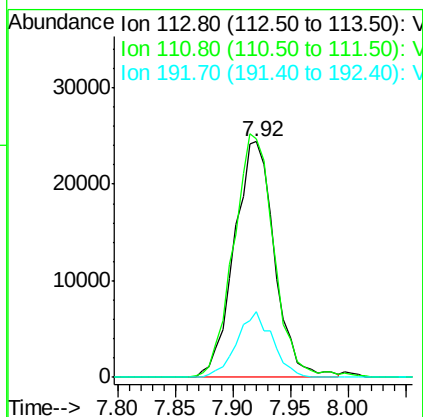
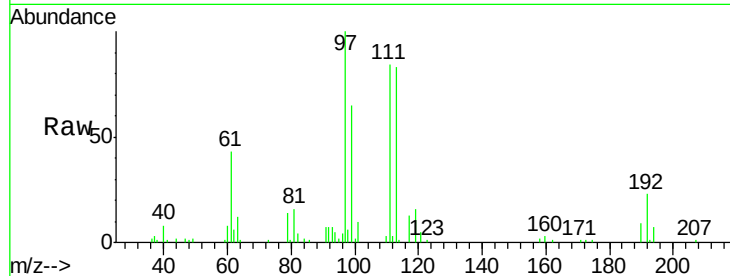




#35
 Dibromofluoromethane
 Concen: 17.421 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

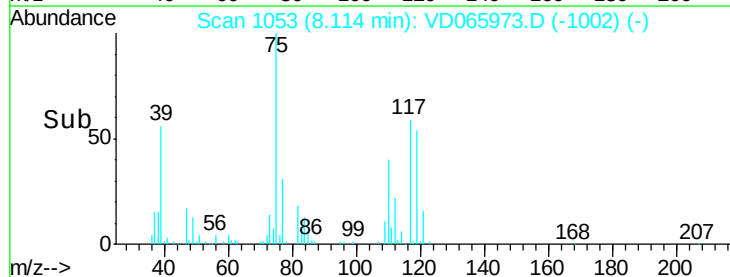
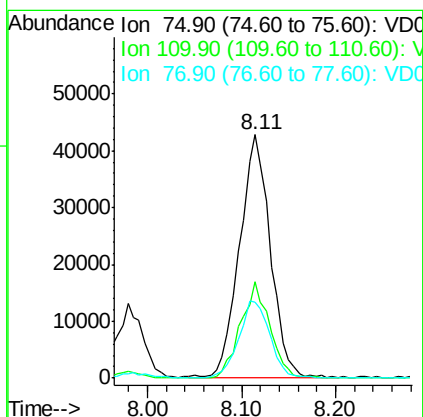
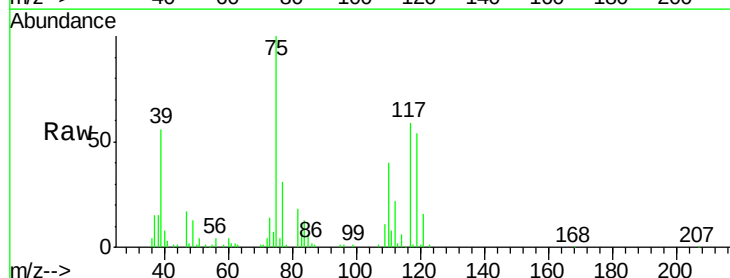
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

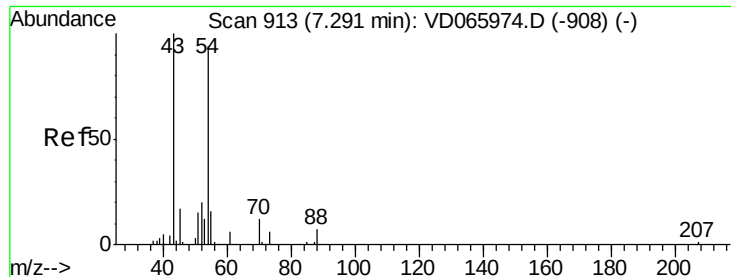
Tgt Ion: 113 Resp: 59156
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.2 124.8
 192 24.6 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 19.906 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 75 Resp: 97697
 Ion Ratio Lower Upper
 75 100
 110 37.3 19.5 58.5
 77 32.0 24.7 37.1

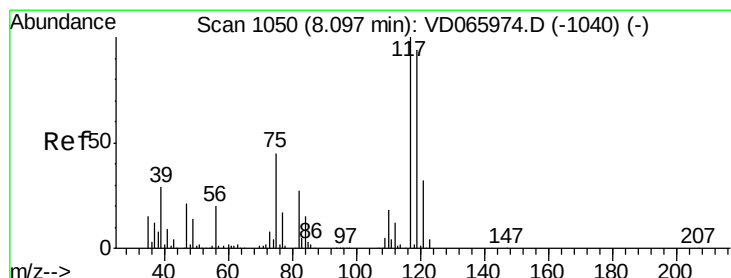
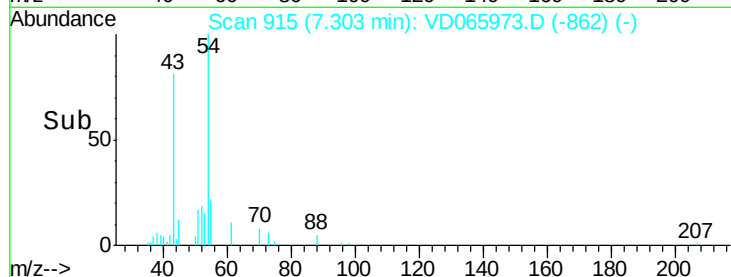
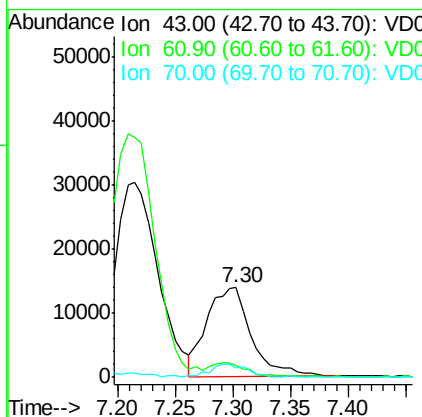
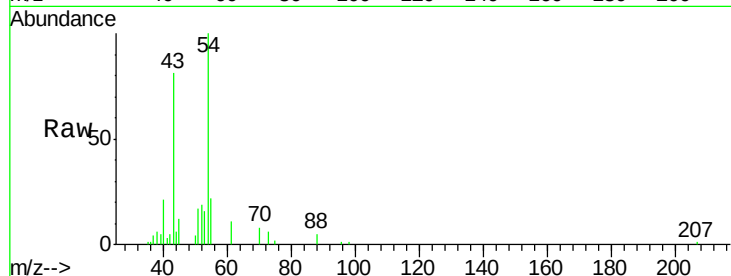




#37
Ethyl Acetate
Concen: 19.753 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

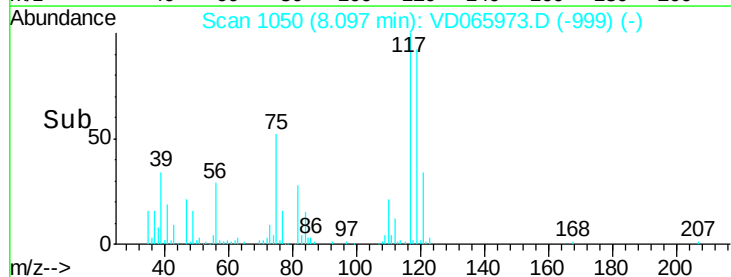
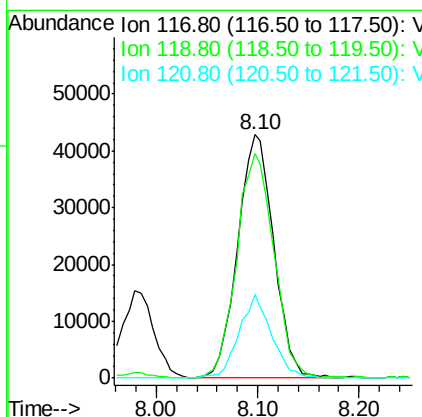
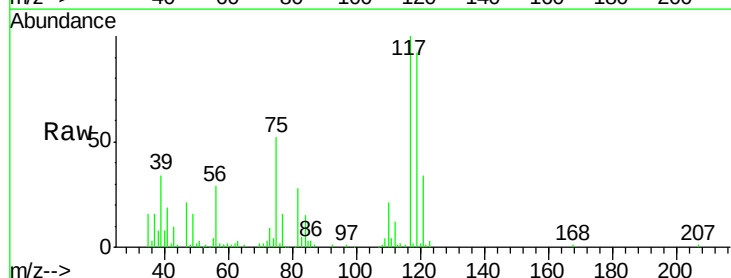
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

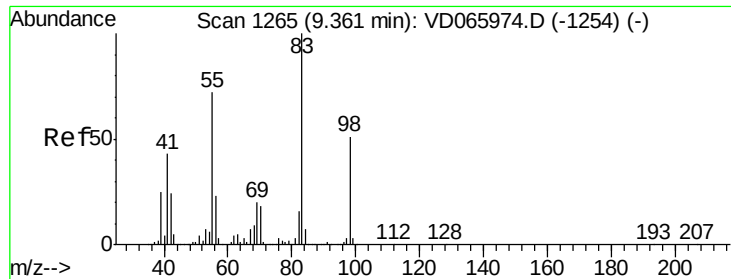
Tgt Ion: 43 Resp: 37190
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 12.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 20.360 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 117 Resp: 105986
Ion Ratio Lower Upper
117 100
119 92.4 75.0 112.6
121 34.2 25.5 38.3

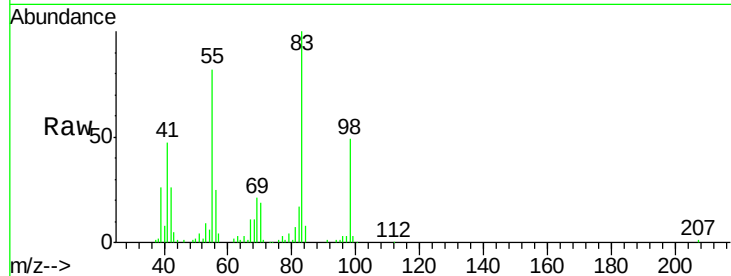




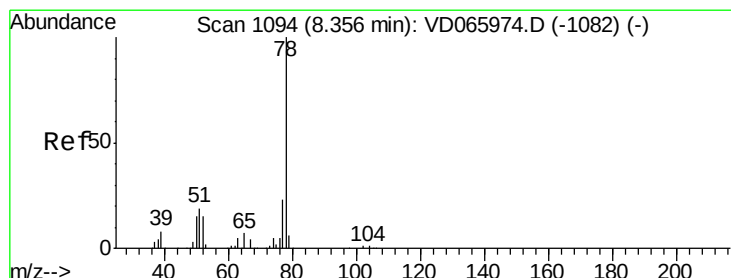
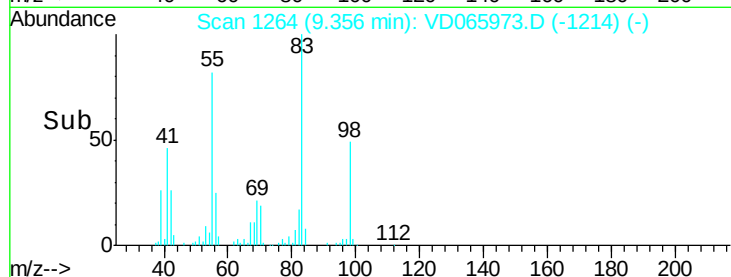
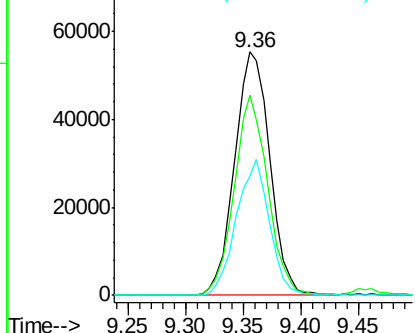
#39
Methylcyclohexane
Concen: 20.238 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 117632
Ion Ratio Lower Upper
83 100
55 82.0 57.3 85.9
98 49.2 41.0 61.6

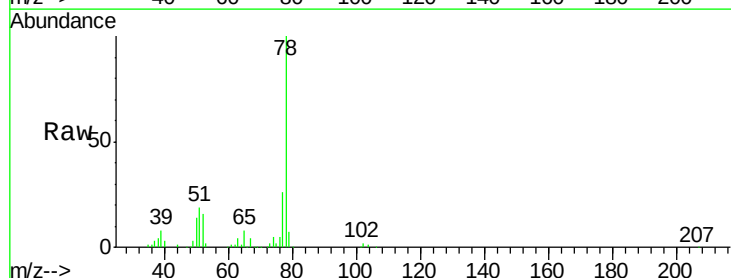


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

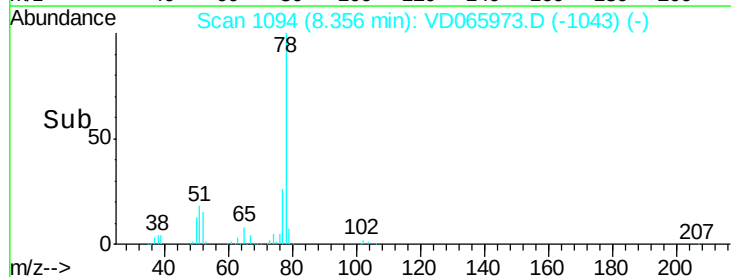
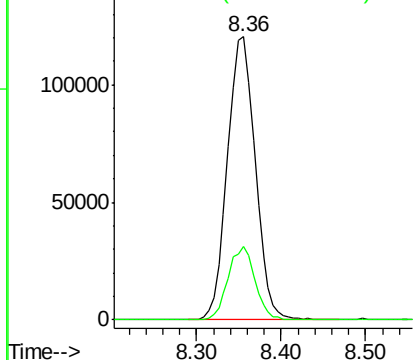


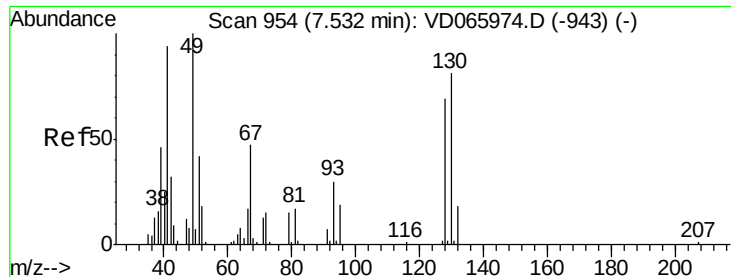
#40
Benzene
Concen: 20.180 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 78 Resp: 274712
Ion Ratio Lower Upper
78 100
77 25.8 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

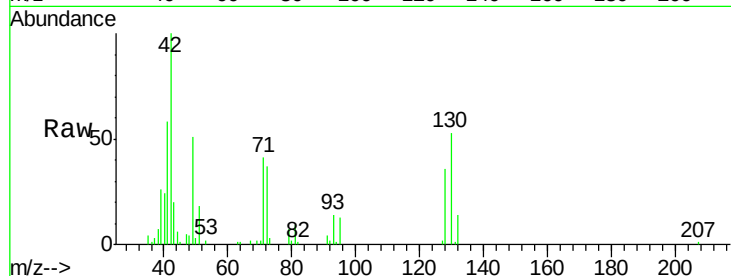




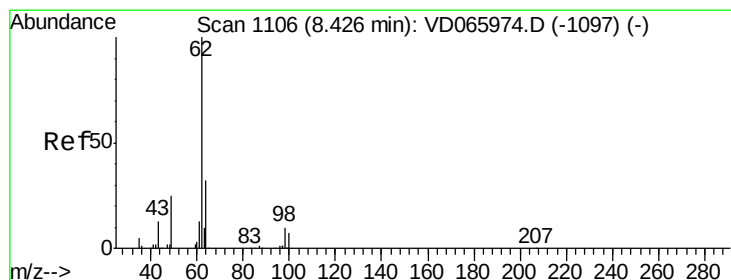
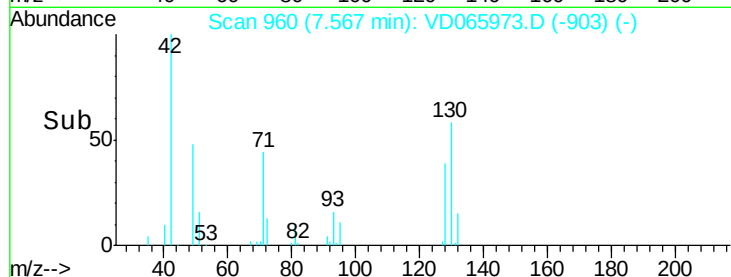
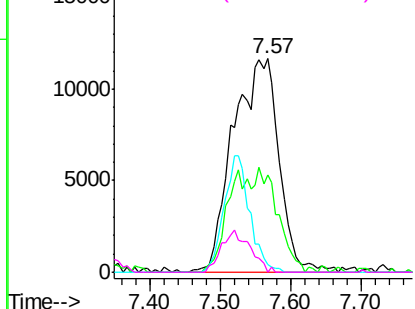
#41
Methacrylonitrile
Concen: 37.476 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	52748
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

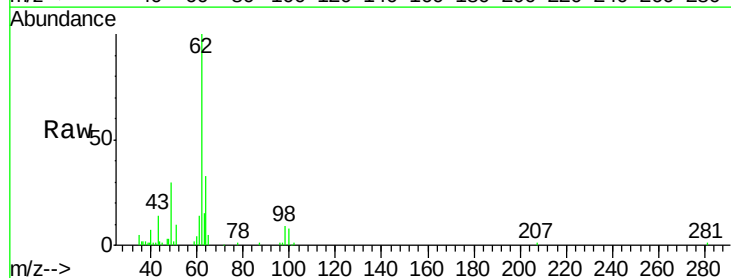


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

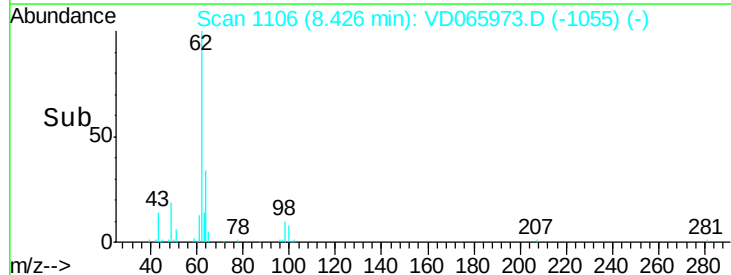
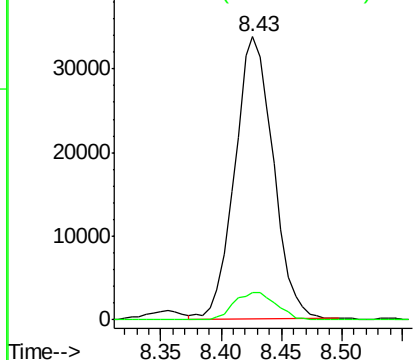


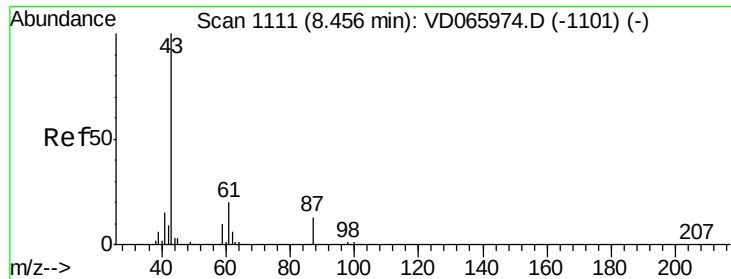
#42
1,2-Dichloroethane
Concen: 19.941 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion:	62	Resp:	74608
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.513 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

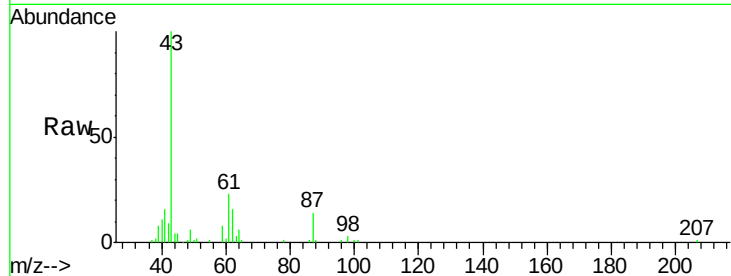
Tgt Ion: 43 Resp: 71086

Ion Ratio Lower Upper

43 100

61 31.4 25.8 38.8

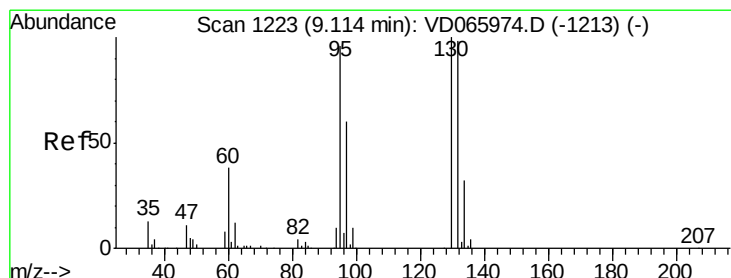
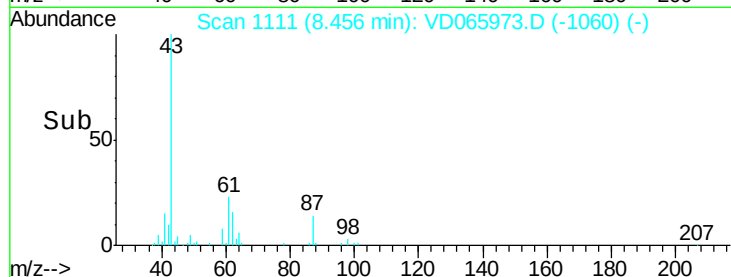
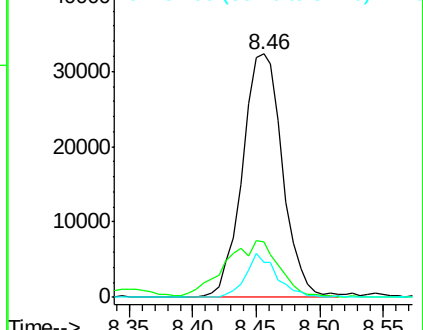
87 13.7 10.9 16.3



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: 20.119 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065973.D

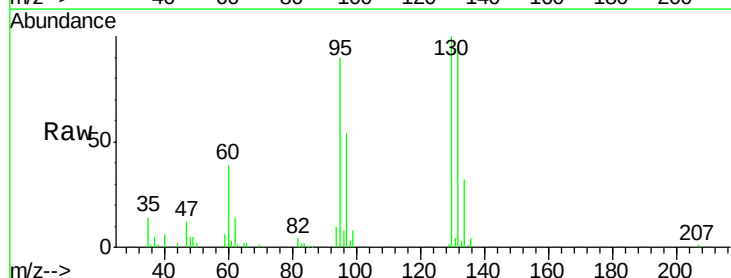
Acq: 21 Jul 2020 10:49

Tgt Ion: 130 Resp: 82394

Ion Ratio Lower Upper

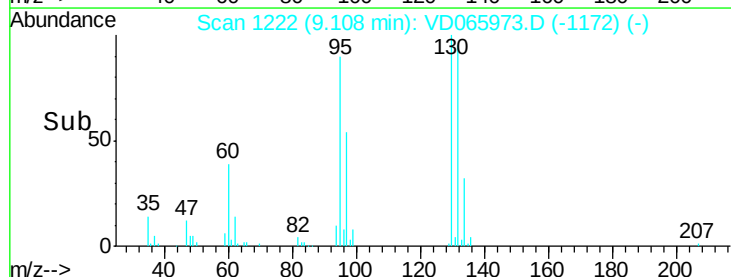
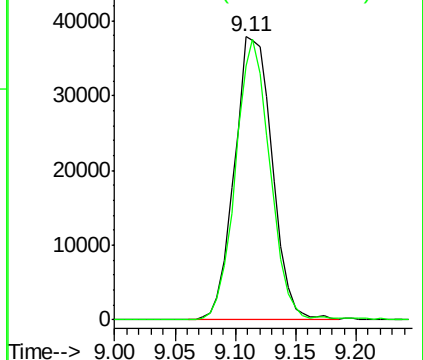
130 100

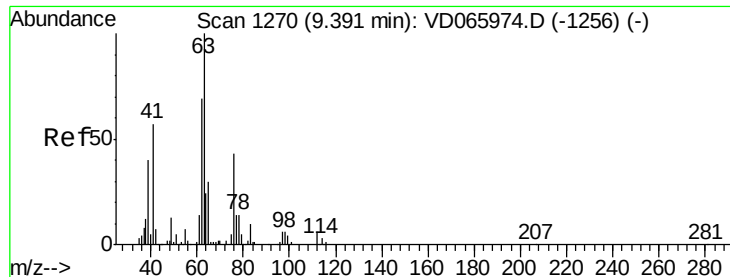
95 89.7 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

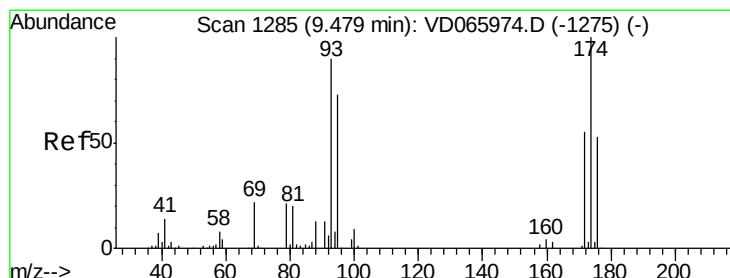
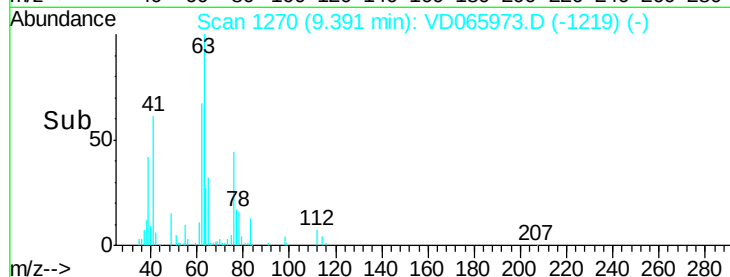
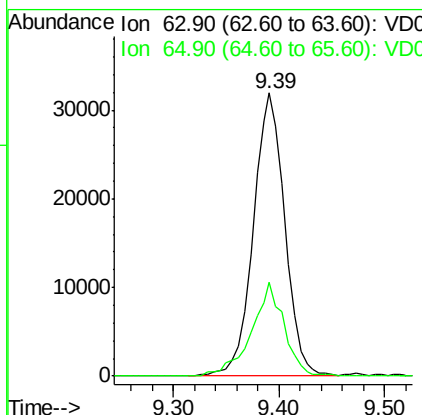
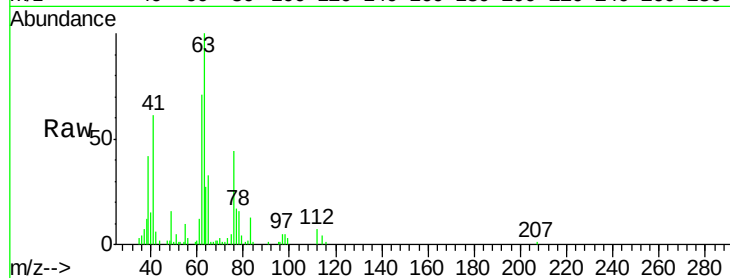




#45
 1,2-Dichloropropane
 Concen: 20.246 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

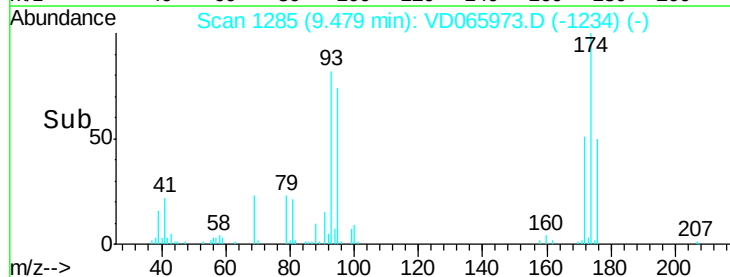
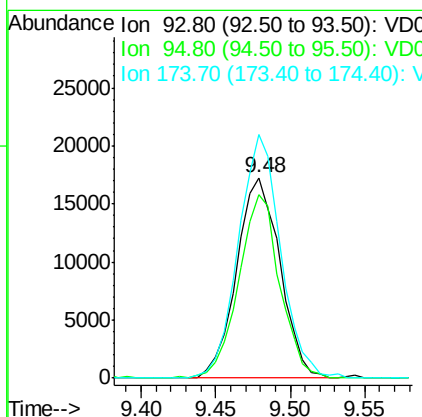
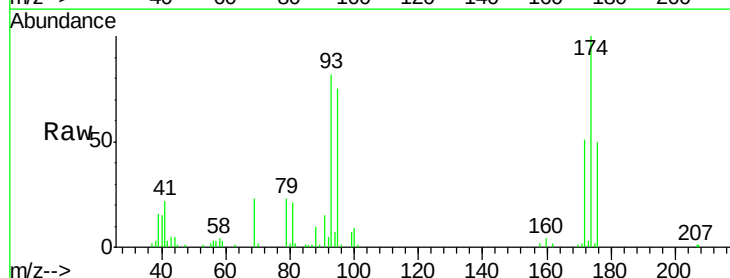
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

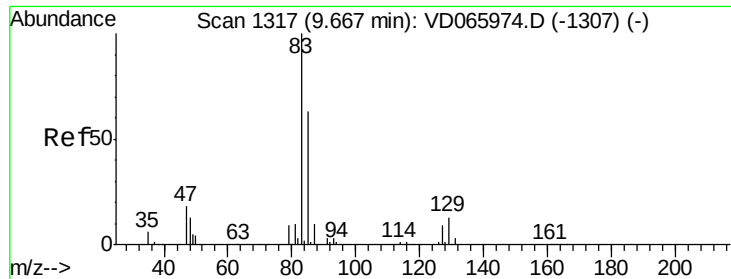
Tgt Ion: 63 Resp: 66094
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.0 36.0



#46
 Dibromomethane
 Concen: 19.453 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 93 Resp: 34758
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.2 99.4
 174 118.2 91.5 137.3





#47

Bromodichloromethane

Concen: 20.189 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

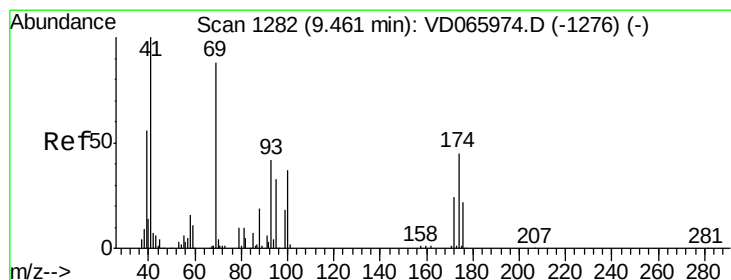
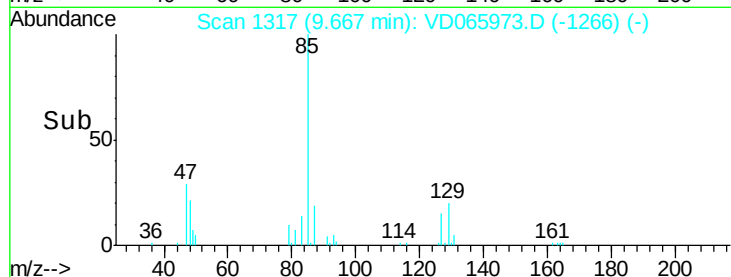
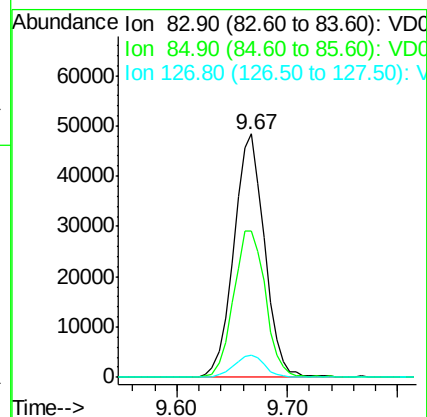
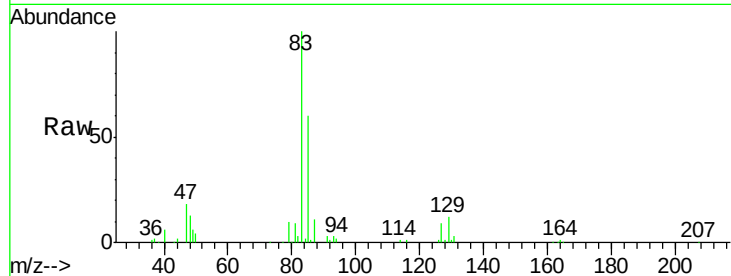
Tgt Ion: 83 Resp: 94535

Ion Ratio Lower Upper

83 100

85 60.1 50.6 75.8

127 8.9 7.1 10.7



#48

Methyl methacrylate

Concen: 20.094 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

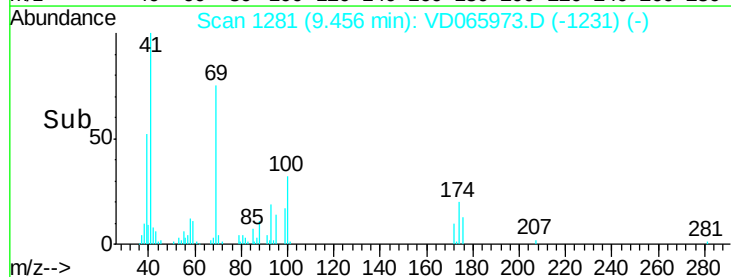
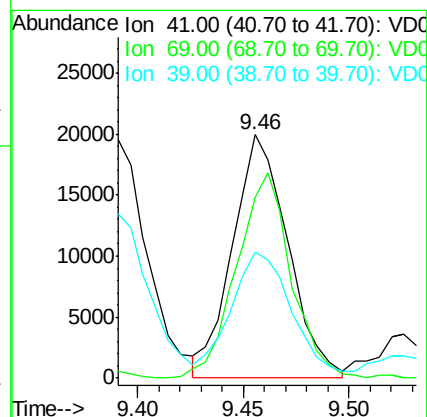
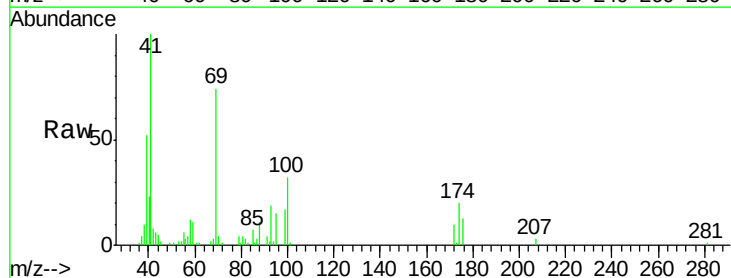
Tgt Ion: 41 Resp: 36268

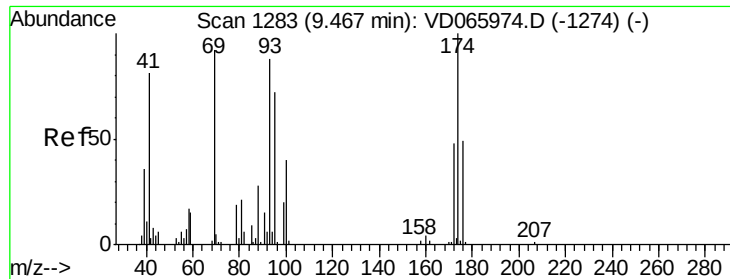
Ion Ratio Lower Upper

41 100

69 83.1 65.1 97.7

39 51.7 41.5 62.3

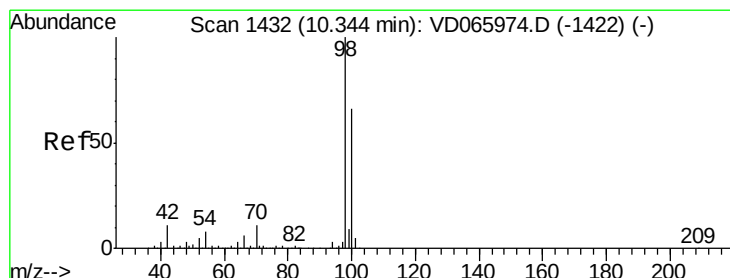
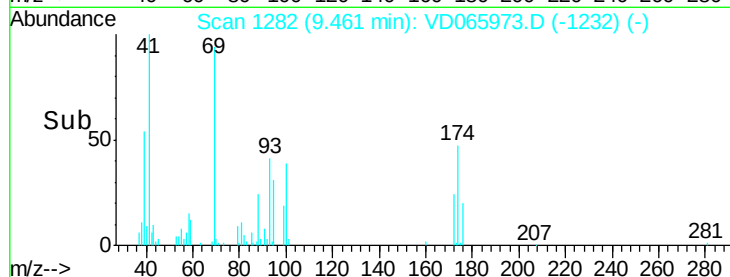
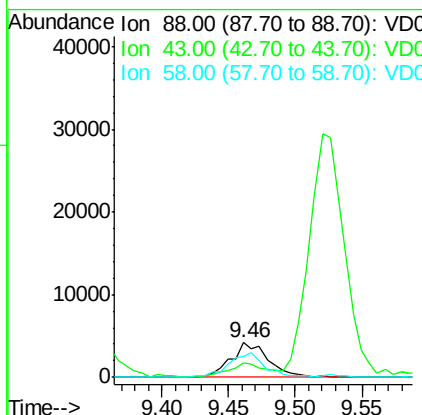
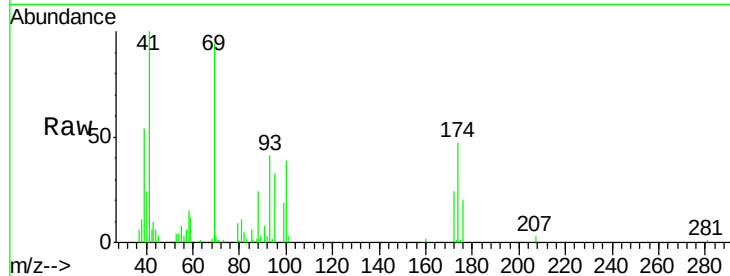




#49
1,4-Dioxane
Concen: 419.077 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

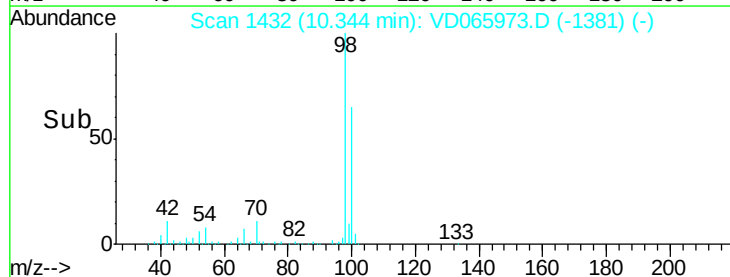
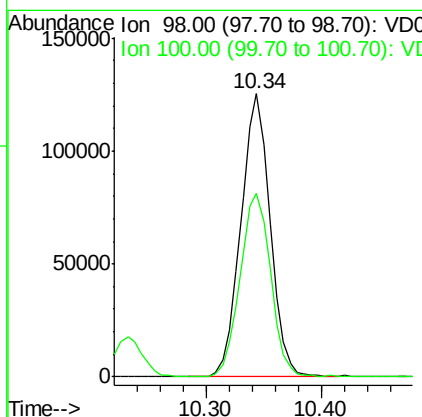
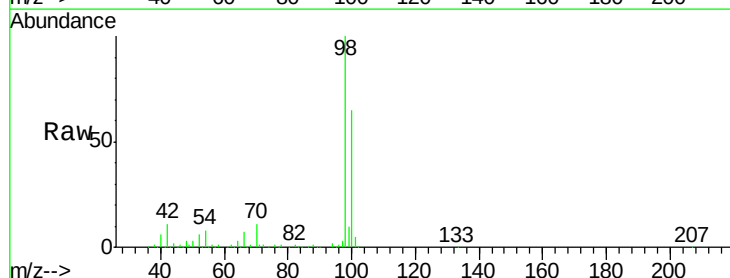
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

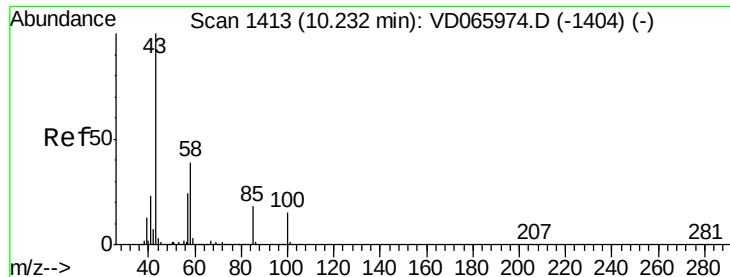
Tgt Ion: 88 Resp: 8277
Ion Ratio Lower Upper
88 100
43 40.4 29.0 43.6
58 70.1 57.0 85.4



#50
Toluene-d8
Concen: 17.488 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 98 Resp: 221227
Ion Ratio Lower Upper
98 100
100 67.7 52.7 79.1

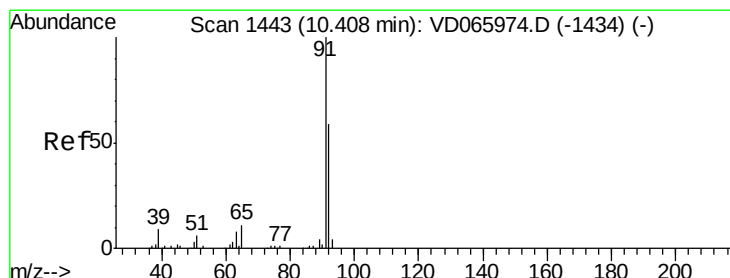
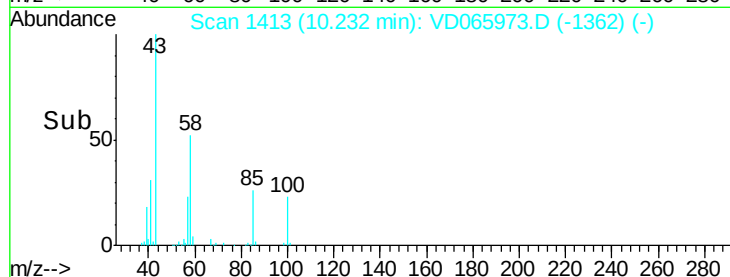
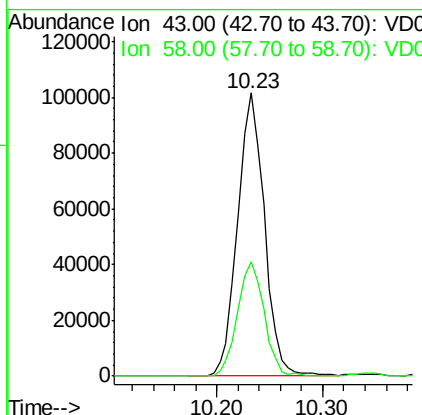
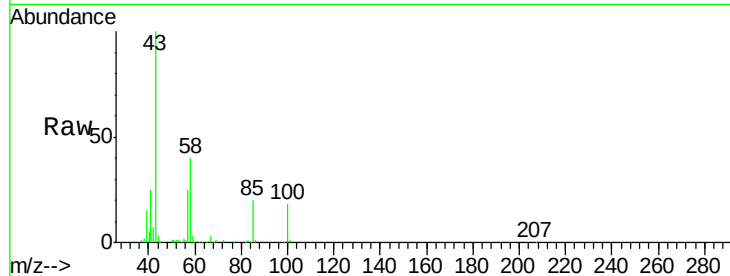




#51
 4-Methyl-2-Pentanone
 Concen: 101.148 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

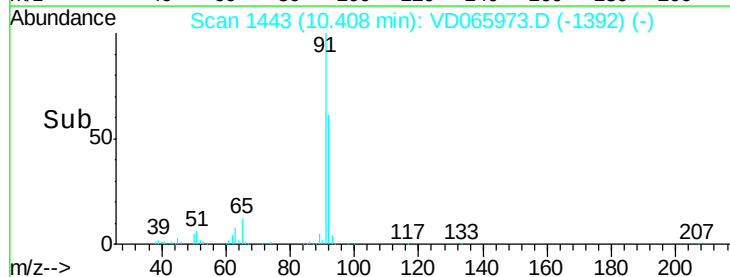
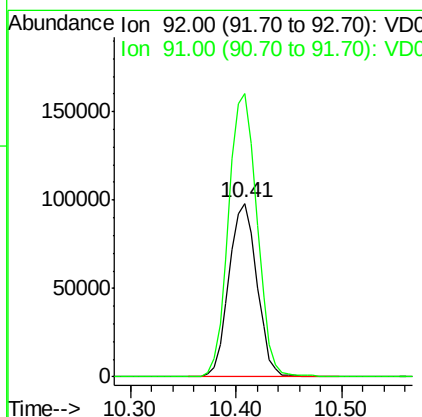
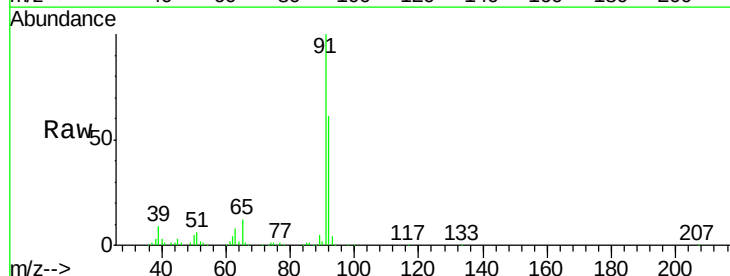
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

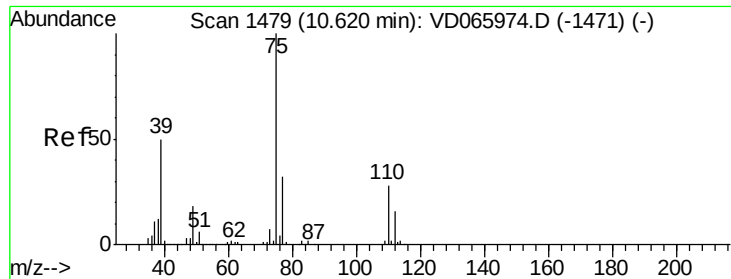
Tgt Ion: 43 Resp: 178979
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.3 46.9



#52
 Toluene
 Concen: 20.569 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 92 Resp: 180312
 Ion Ratio Lower Upper
 92 100
 91 165.8 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 21.033 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

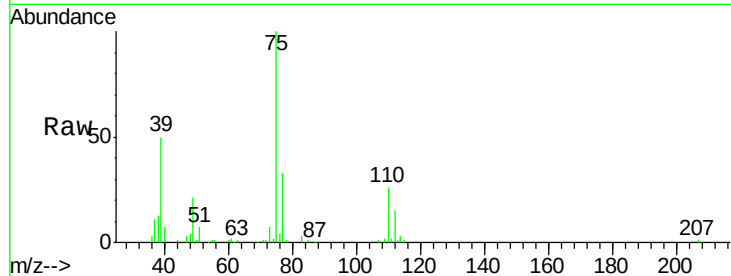
VSTDIC020

Tgt Ion: 75 Resp: 87056

Ion Ratio Lower Upper

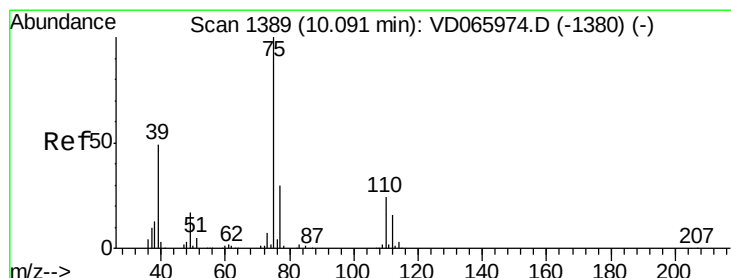
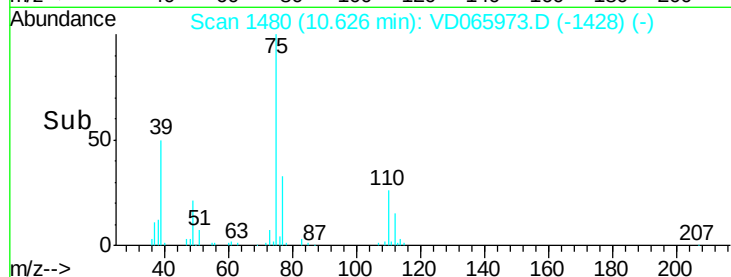
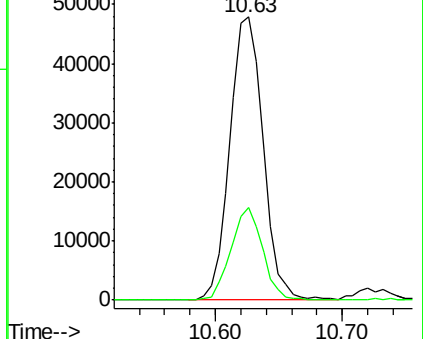
75 100

77 32.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.317 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

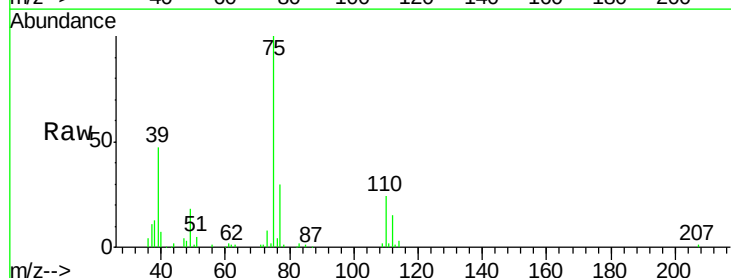
Tgt Ion: 75 Resp: 104082

Ion Ratio Lower Upper

75 100

77 30.3 23.8 35.8

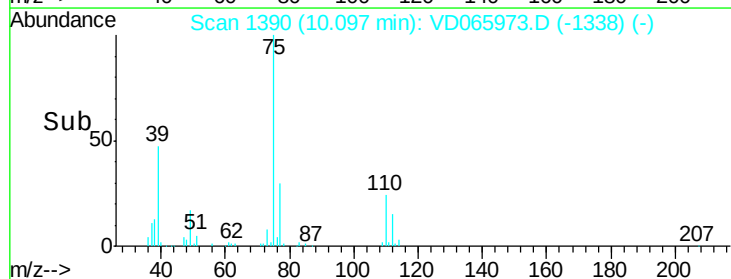
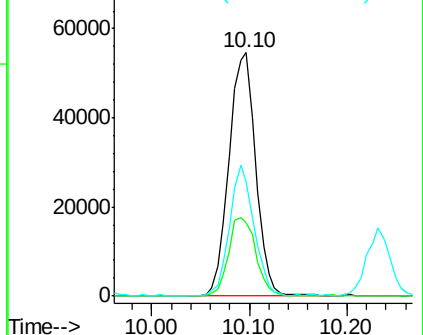
39 47.0 38.8 58.2

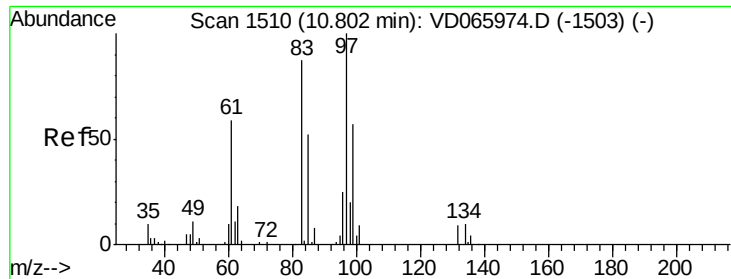


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.036 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 49269

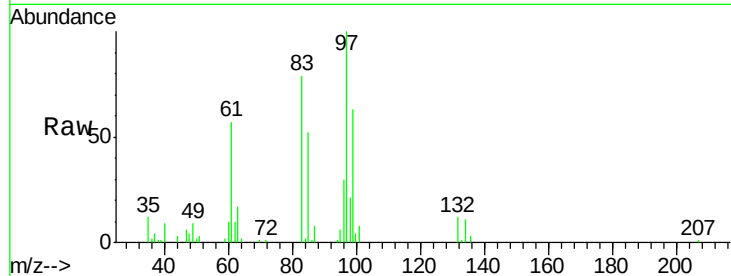
Ion Ratio Lower Upper

97 100

83 78.5 69.7 104.5

85 52.7 41.6 62.4

99 62.9 45.9 68.9

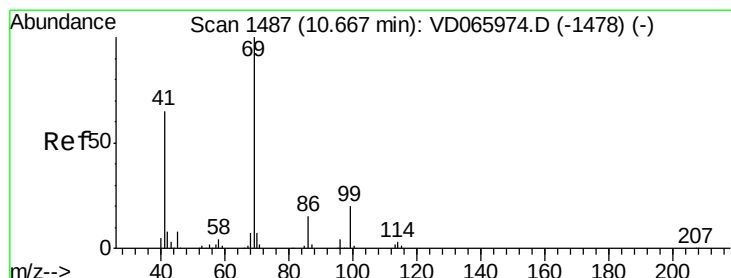
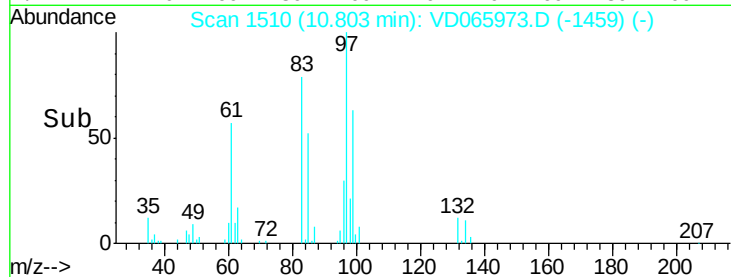
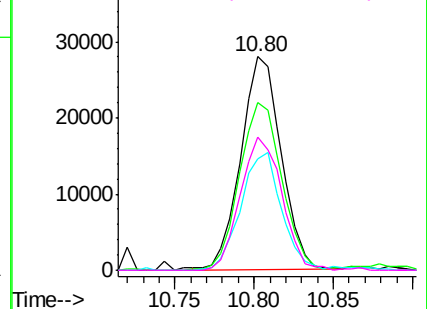


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.313 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

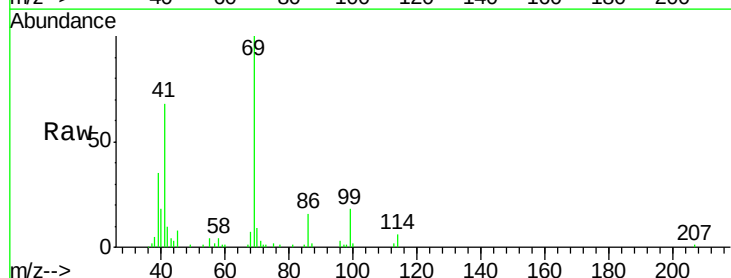
Tgt Ion: 69 Resp: 56135

Ion Ratio Lower Upper

69 100

41 70.5 52.3 78.5

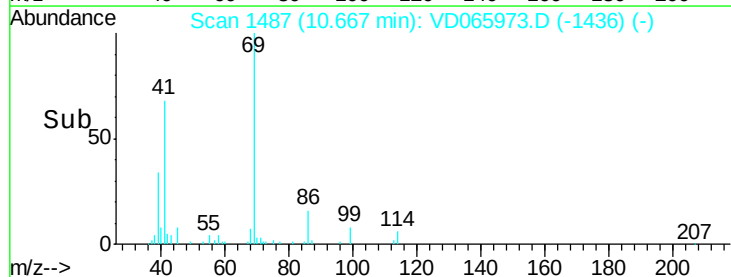
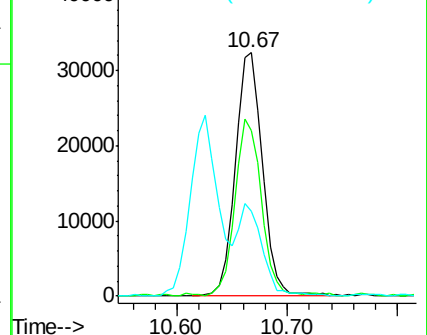
39 33.5 25.2 37.8

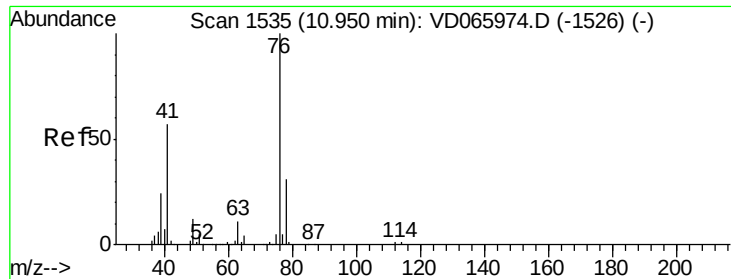


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

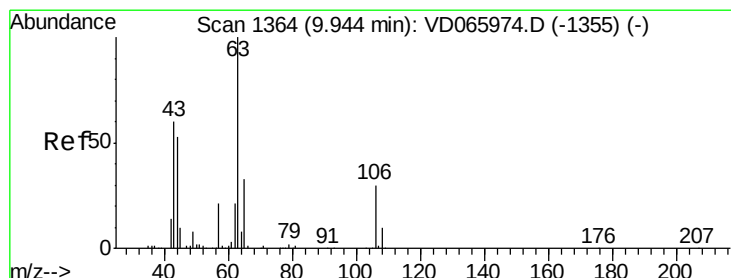
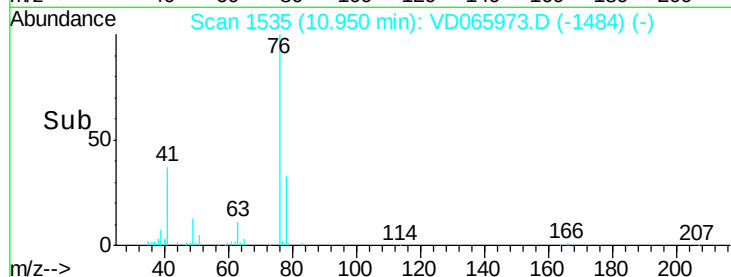
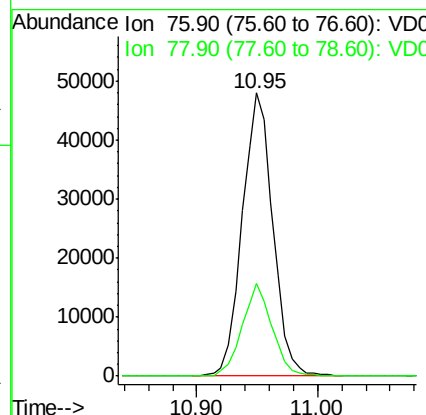
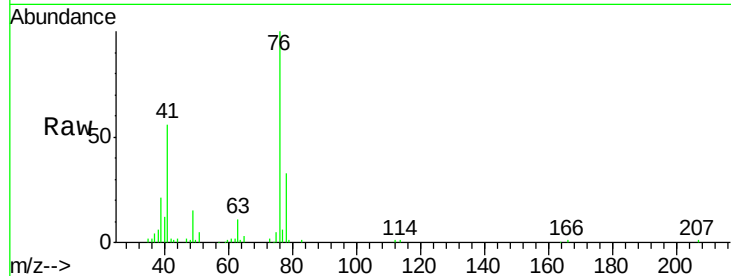




#57
 1,3-Dichloropropane
 Concen: 20.701 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

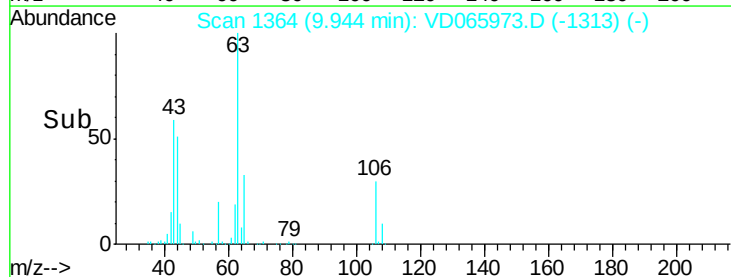
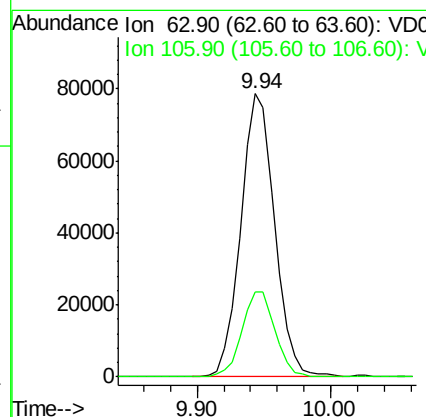
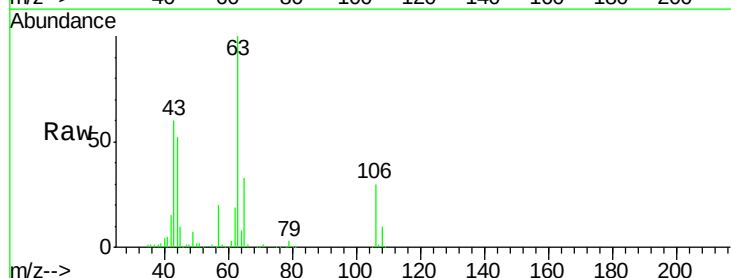
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

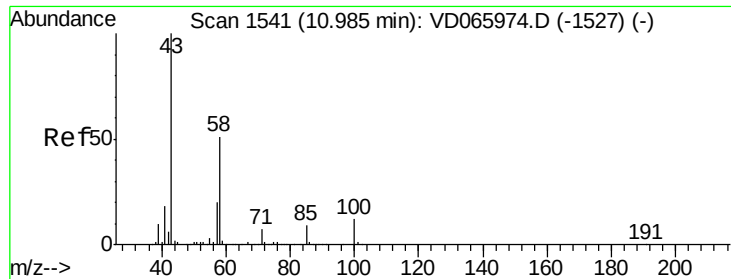
Tgt Ion: 76 Resp: 84688
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.079 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 63 Resp: 137687
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.4 36.6

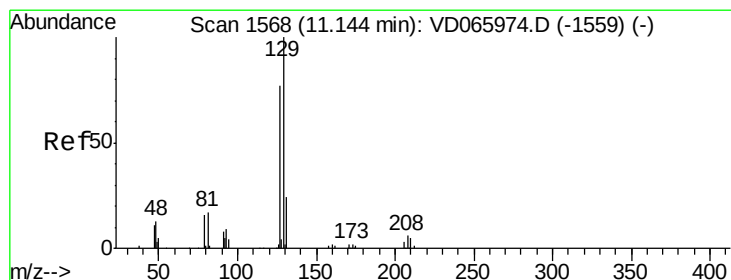
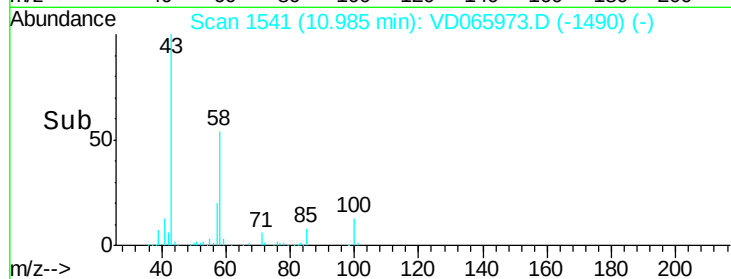
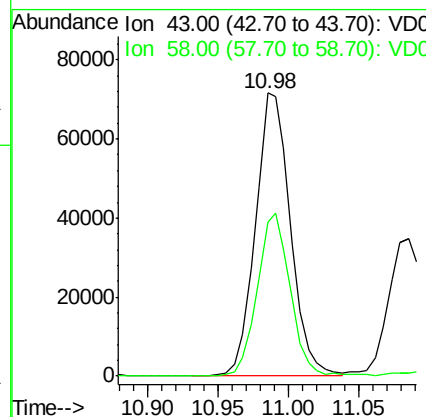
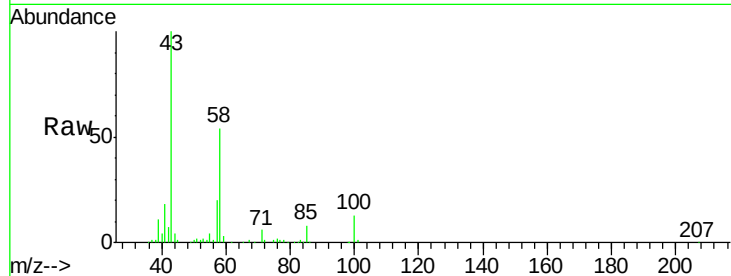




#59
2-Hexanone
Concen: 102.464 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

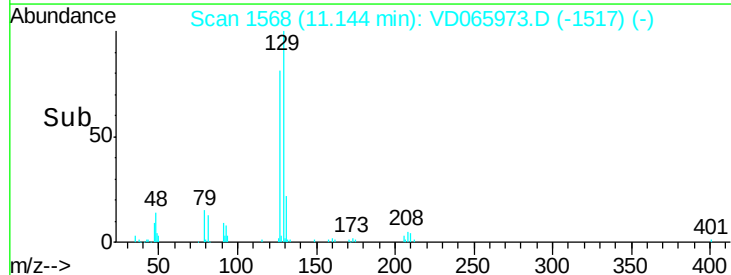
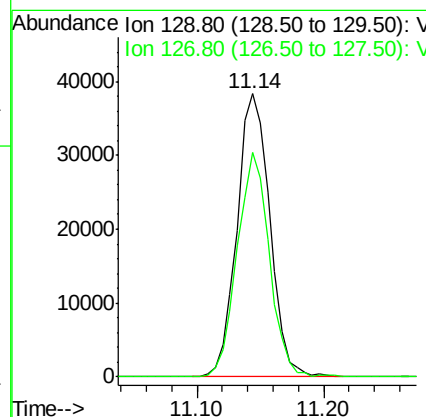
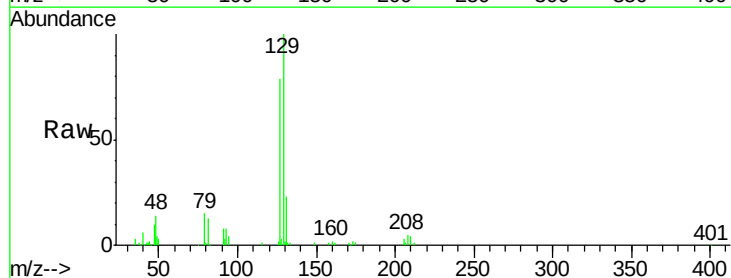
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

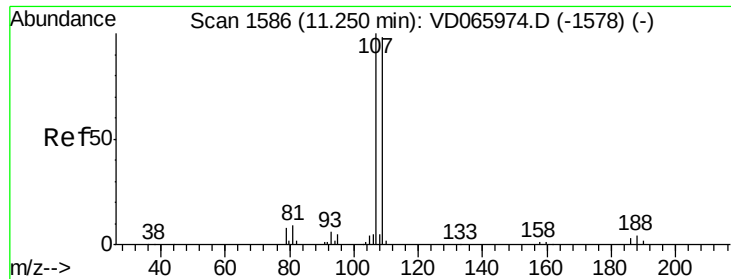
Tgt Ion: 43 Resp: 124588
Ion Ratio Lower Upper
43 100
58 54.3 26.2 78.6



#60
Dibromochloromethane
Concen: 20.717 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 129 Resp: 68835
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7

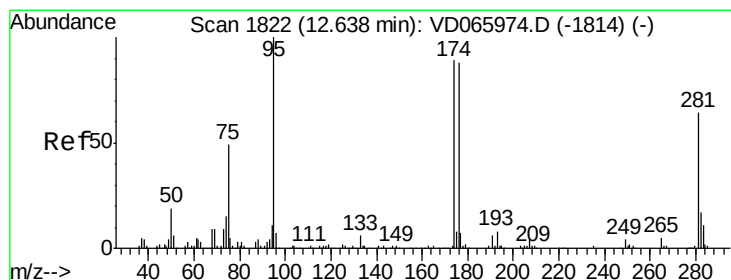
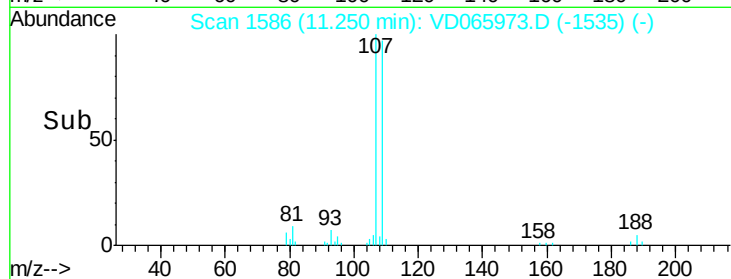
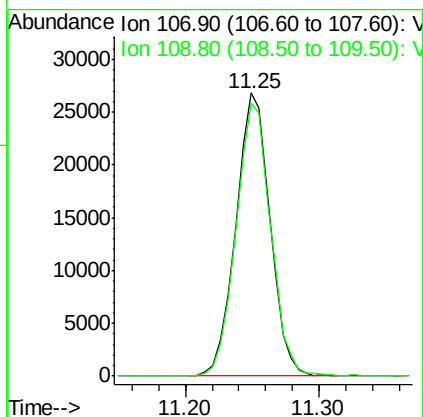
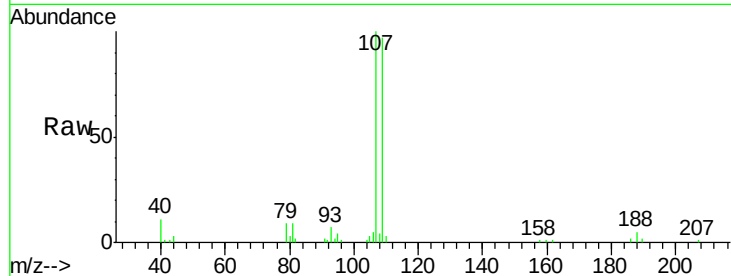




#61
 1,2-Dibromoethane
 Concen: 19.925 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

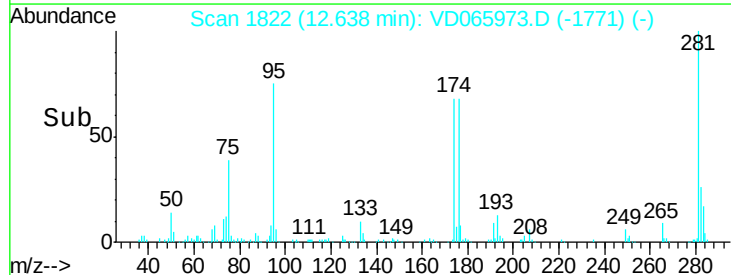
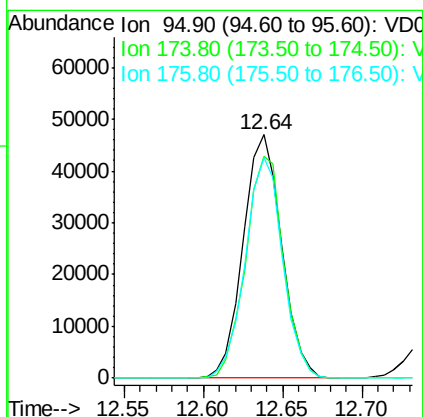
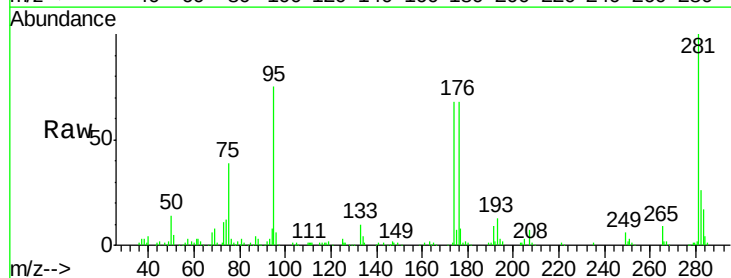
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

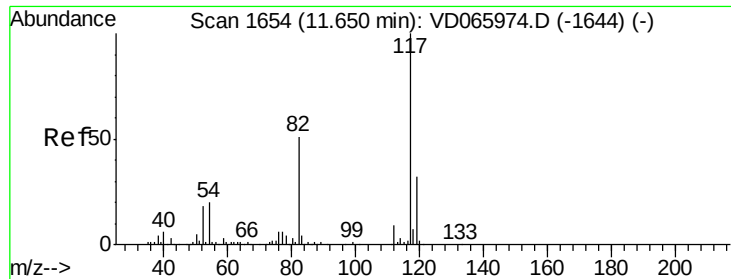
Tgt Ion: 107 Resp: 47389
 Ion Ratio Lower Upper
 107 100
 109 98.0 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 17.716 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 95 Resp: 79244
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.8
 176 88.2 0.0 172.6

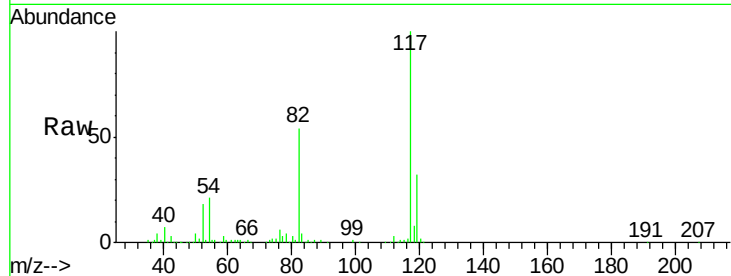




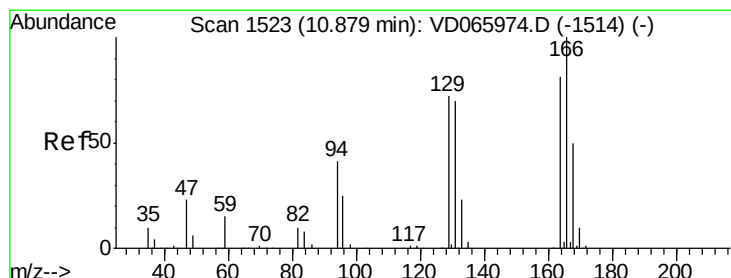
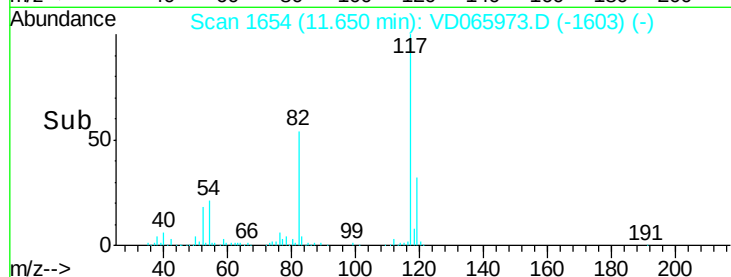
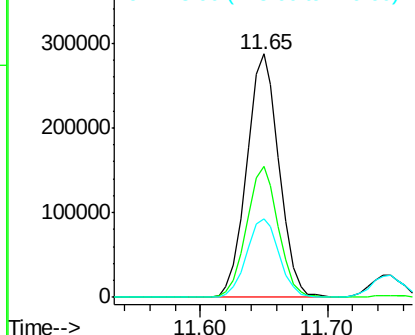
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 506752
Ion Ratio Lower Upper
117 100
82 53.9 41.1 61.7
119 32.4 25.9 38.9

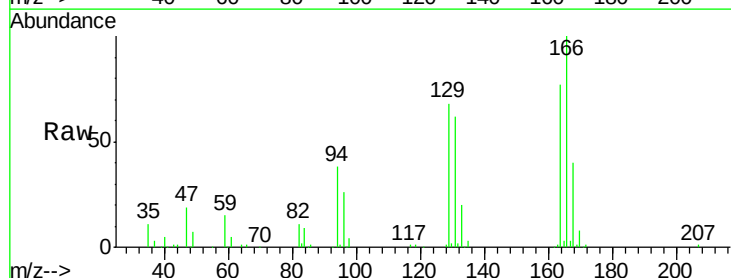


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

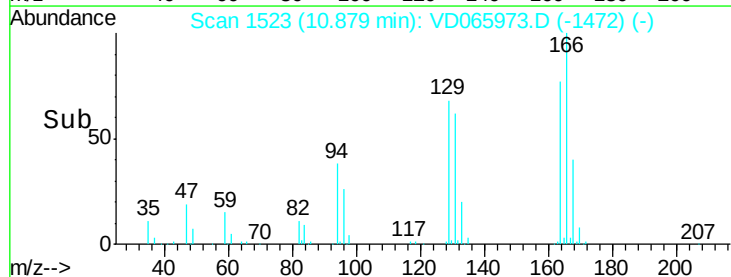
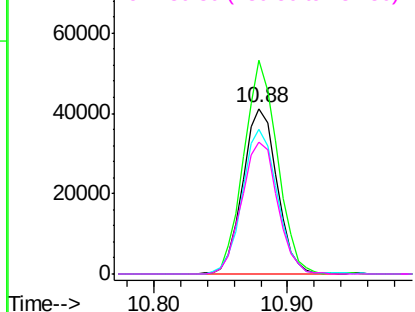


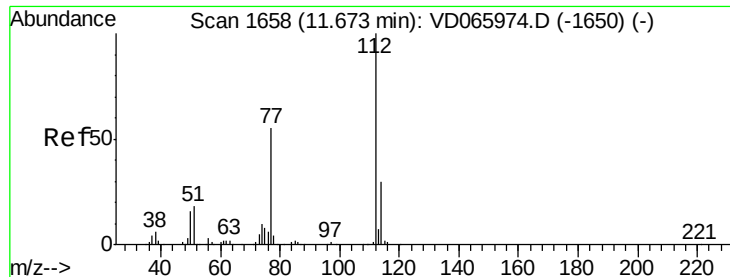
#64
Tetrachloroethene
Concen: 21.094 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion:164 Resp: 73075
Ion Ratio Lower Upper
164 100
166 129.1 99.1 148.7
129 87.7 71.5 107.3
131 79.5 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

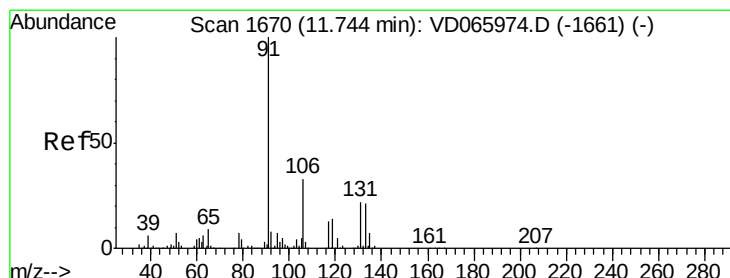
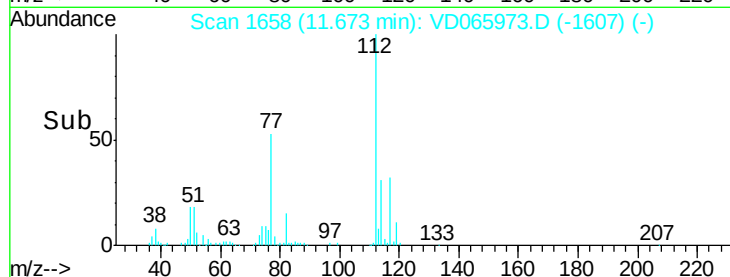
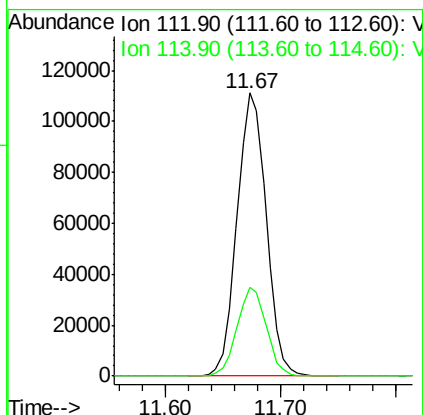
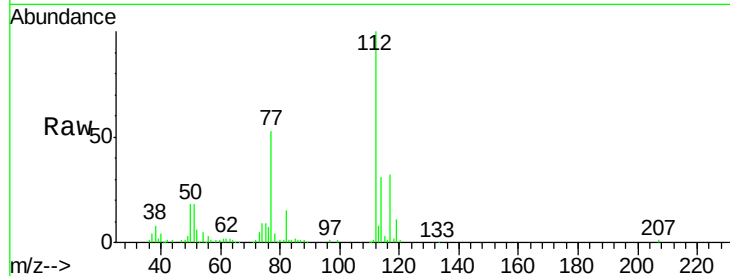




#65
Chlorobenzene
Concen: 20.811 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

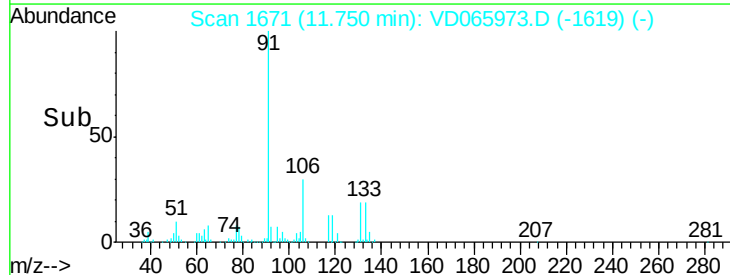
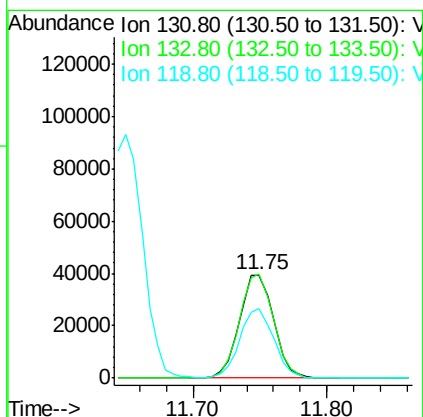
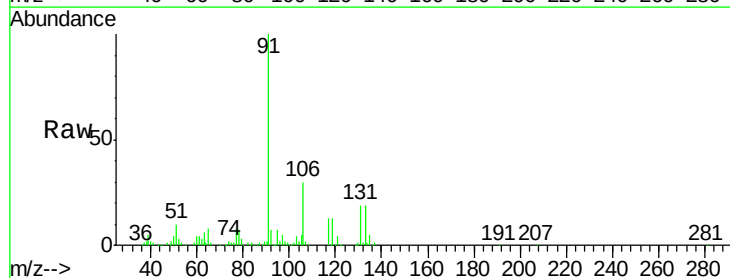
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

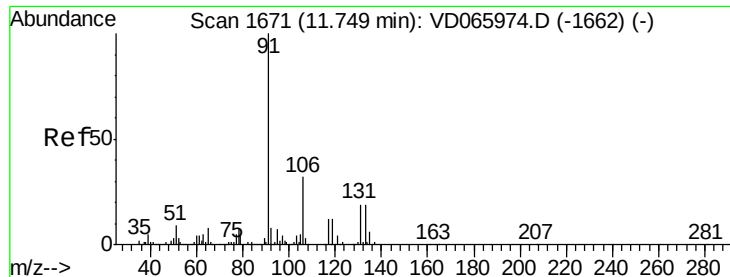
Tgt Ion:112 Resp: 194543
Ion Ratio Lower Upper
112 100
114 31.3 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.270 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion:131 Resp: 70111
Ion Ratio Lower Upper
131 100
133 99.7 47.3 142.0
119 66.9 31.7 95.1





#67

Ethyl Benzene

Concen: 20.934 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

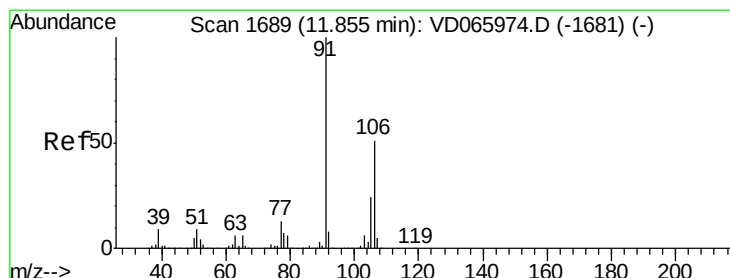
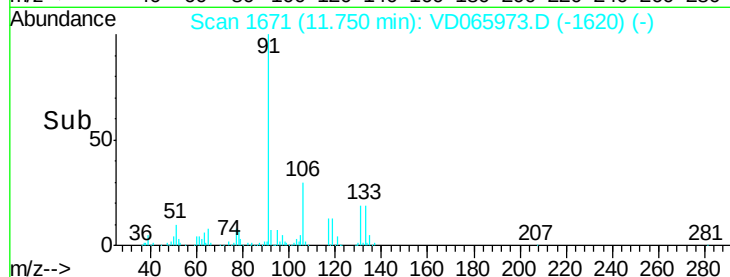
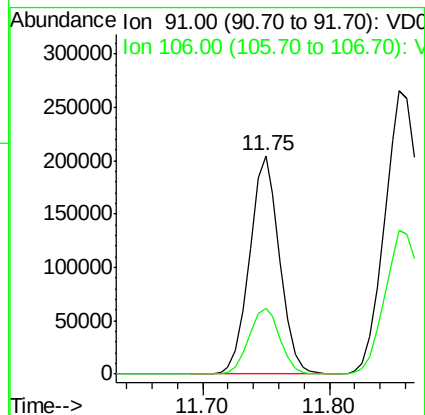
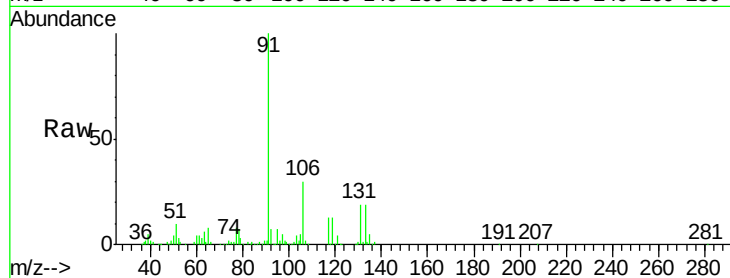
VSTDIC020

Tgt Ion: 91 Resp: 335637

Ion Ratio Lower Upper

91 100

106 30.2 25.7 38.5



#68

m/p-Xylenes

Concen: 42.431 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065973.D

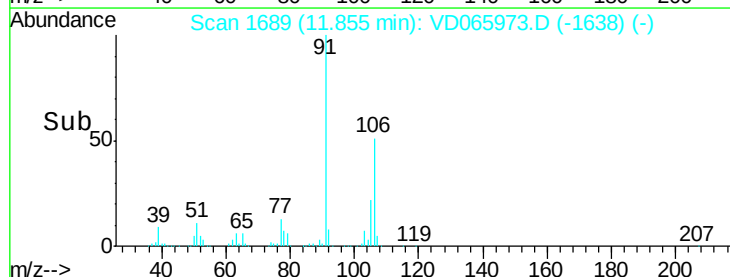
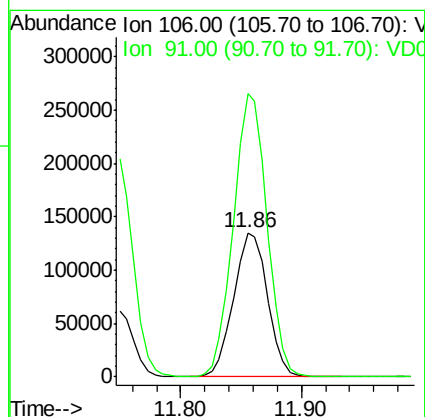
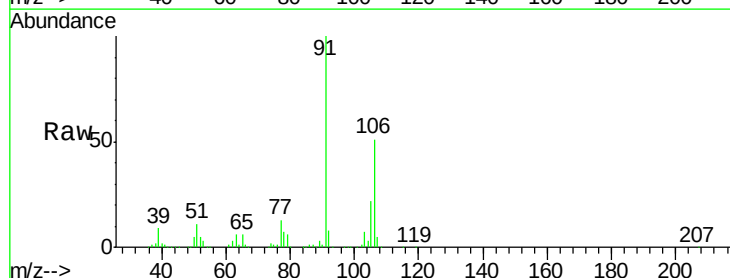
Acq: 21 Jul 2020 10:49

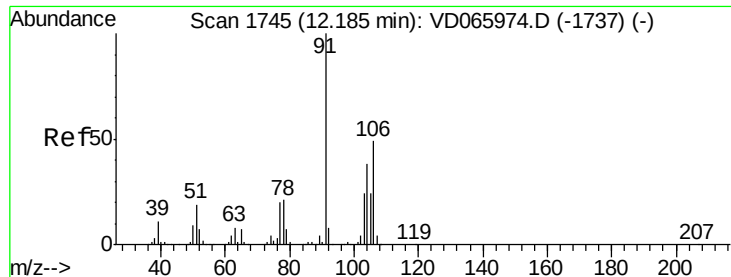
Tgt Ion: 106 Resp: 263094

Ion Ratio Lower Upper

106 100

91 195.3 157.0 235.6

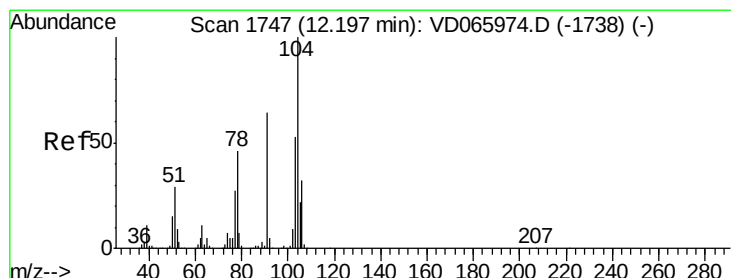
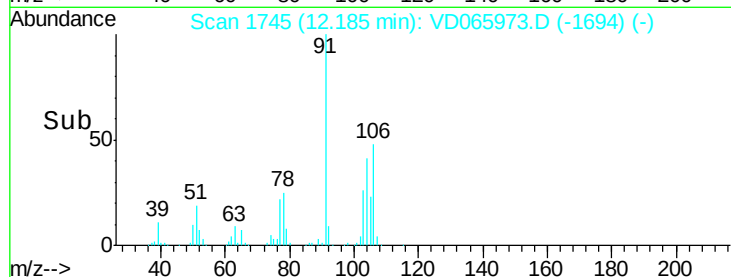
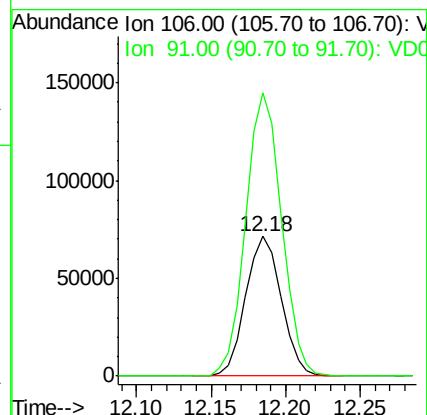
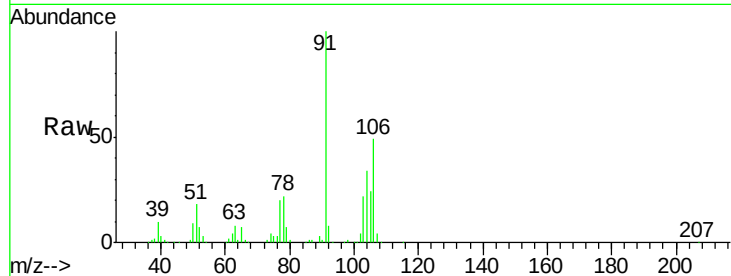




#69
o-Xylene
Concen: 21.371 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

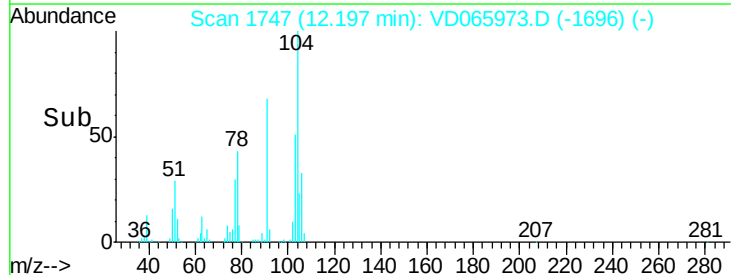
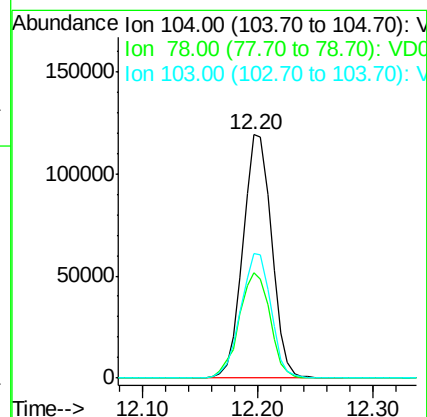
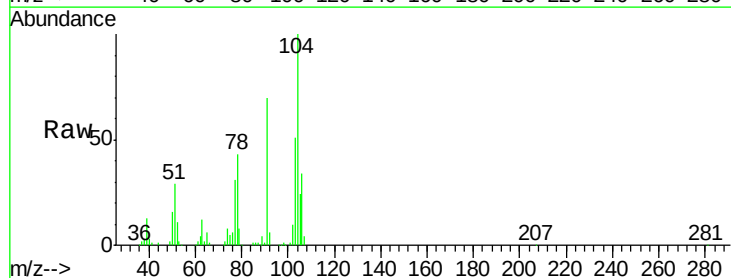
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

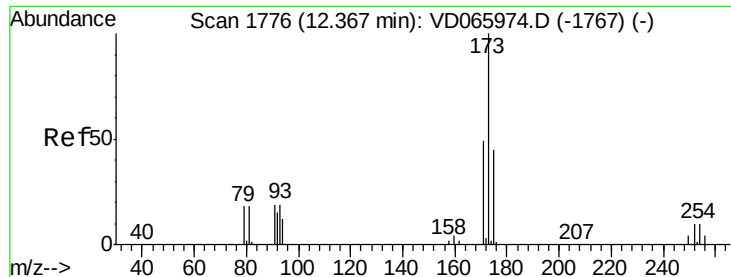
Tgt Ion:106 Resp: 117963
Ion Ratio Lower Upper
106 100
91 203.9 103.1 309.3



#70
Styrene
Concen: 21.507 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion:104 Resp: 205496
Ion Ratio Lower Upper
104 100
78 46.5 38.3 57.5
103 53.9 43.8 65.8





#71

Bromoform

Concen: 21.294 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

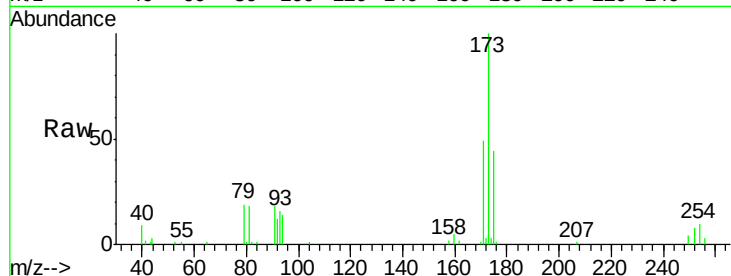
Tgt Ion:173 Resp: 41392

Ion Ratio Lower Upper

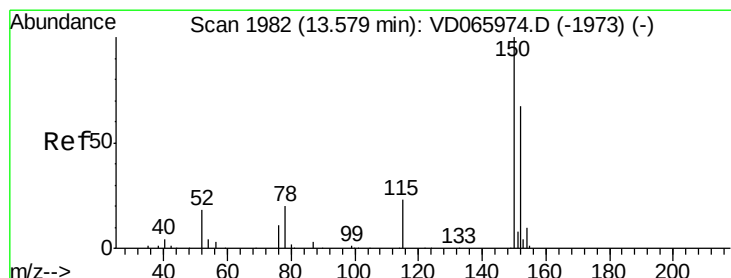
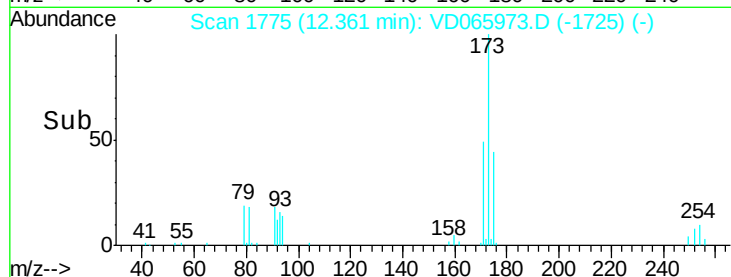
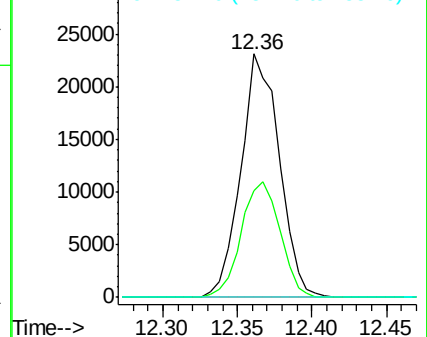
173 100

175 47.8 24.1 72.3

254 0.0 0.0 0.0



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: VD065973.D

Acq: 21 Jul 2020 10:49

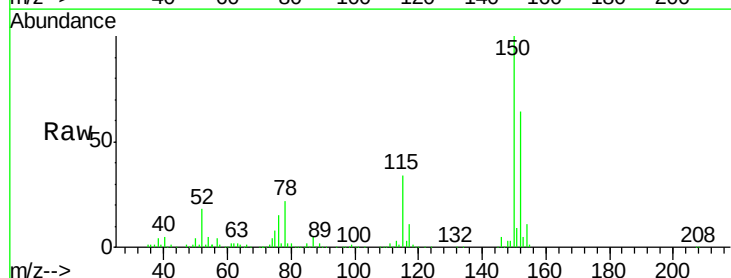
Tgt Ion:152 Resp: 263373

Ion Ratio Lower Upper

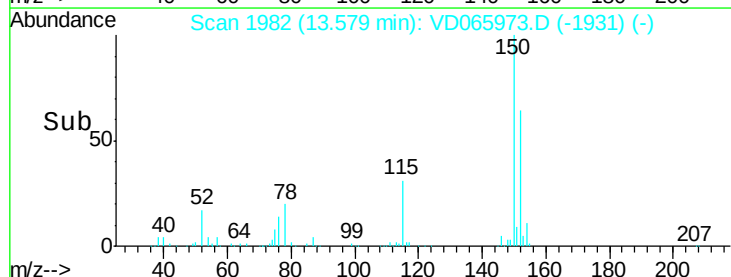
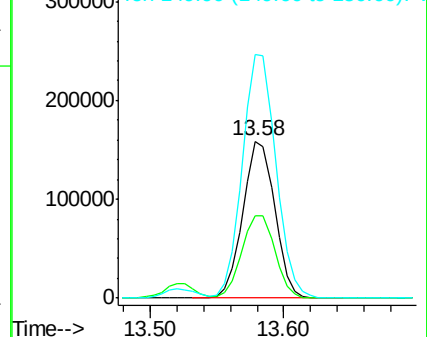
152 100

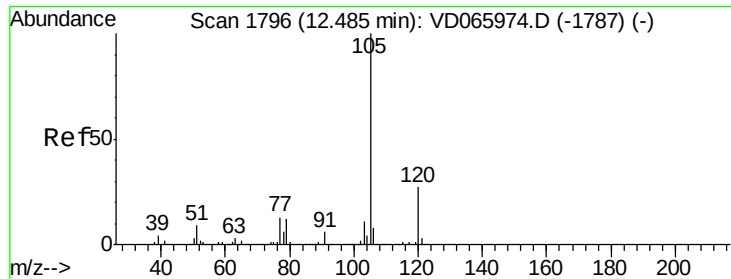
115 54.9 27.9 83.7

150 162.6 0.0 348.2



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: 20.806 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

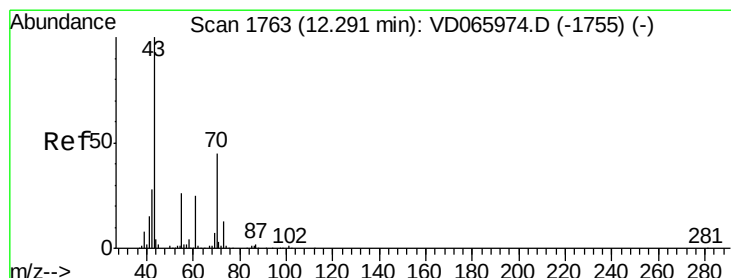
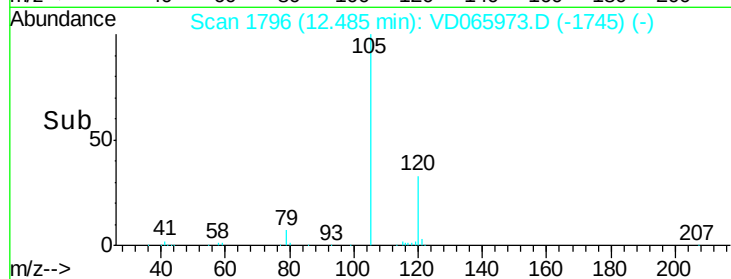
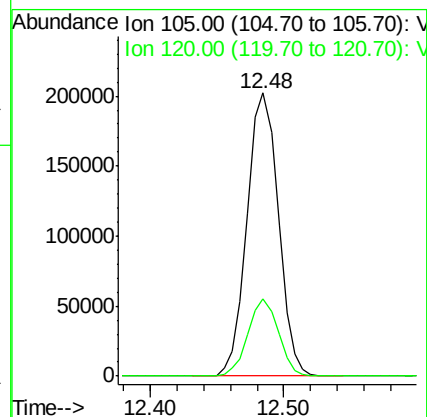
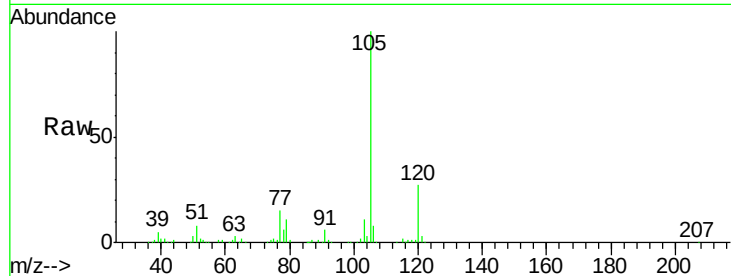
VSTDIC020

Tgt Ion:105 Resp: 328204

Ion Ratio Lower Upper

105 100

120 26.4 13.6 40.8



#74

N-ethyl acetate

Concen: 20.032 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion: 43 Resp: 63559

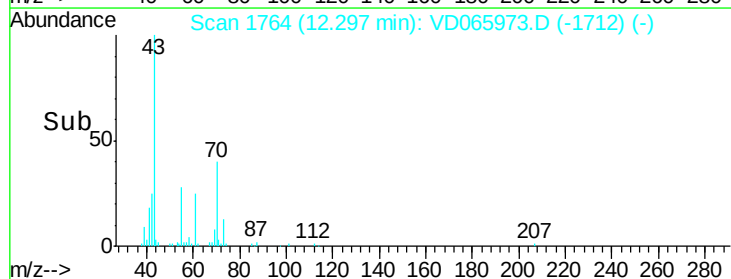
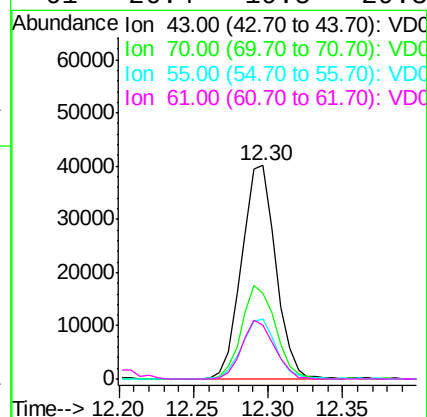
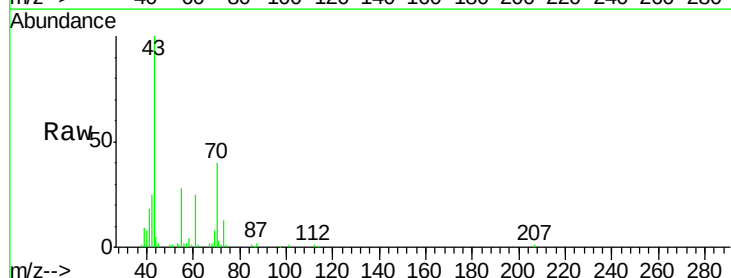
Ion Ratio Lower Upper

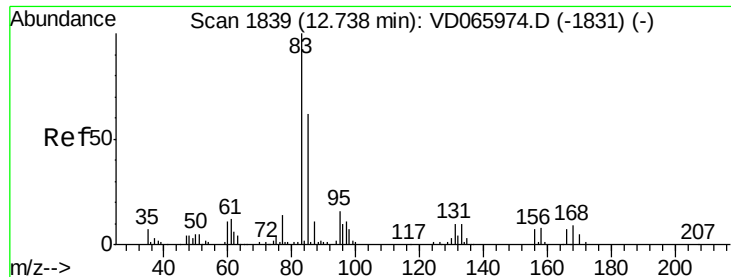
43 100

70 43.3 34.6 51.8

55 28.2 20.3 30.5

61 26.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.961 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

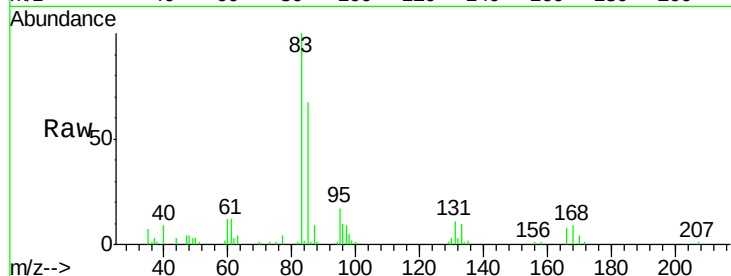
Tgt Ion: 83 Resp: 54688

Ion Ratio Lower Upper

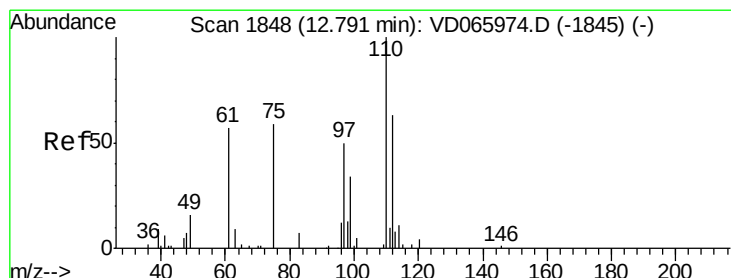
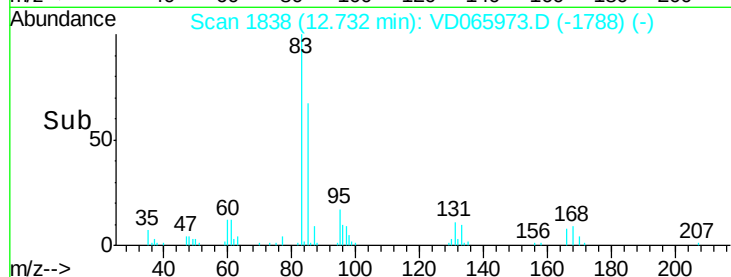
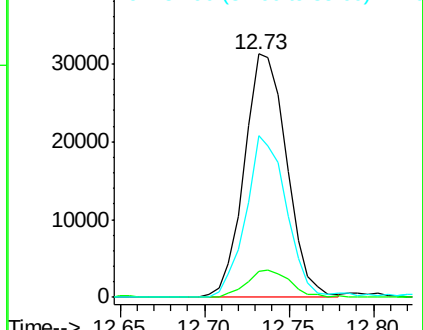
83 100

131 11.6 5.7 17.1

85 64.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 29.075 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065973.D

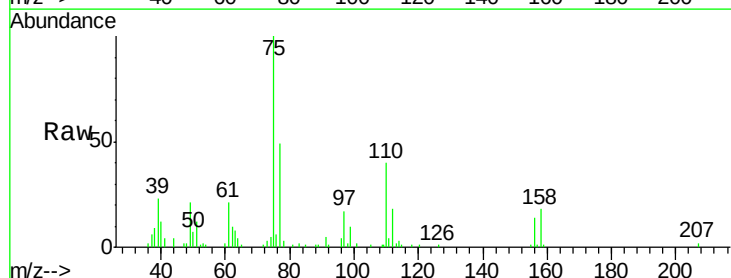
Acq: 21 Jul 2020 10:49

Tgt Ion: 75 Resp: 68059

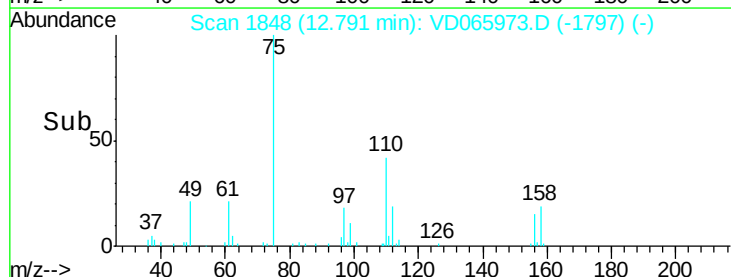
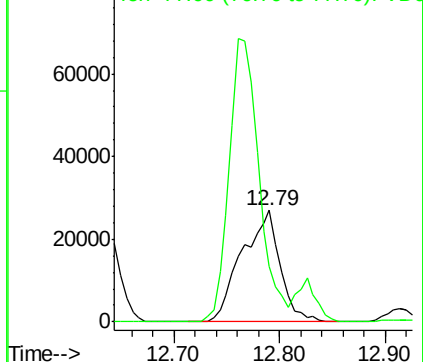
Ion Ratio Lower Upper

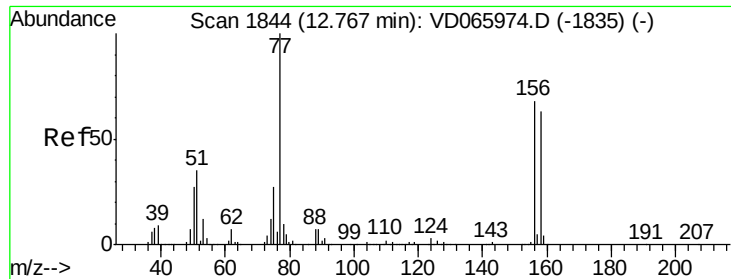
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.505 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

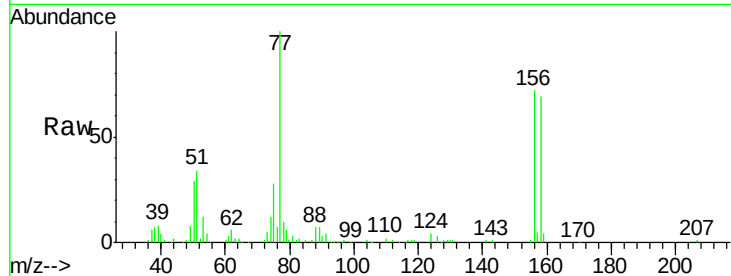
Tgt Ion:156 Resp: 83497

Ion Ratio Lower Upper

156 100

77 159.9 83.0 249.0

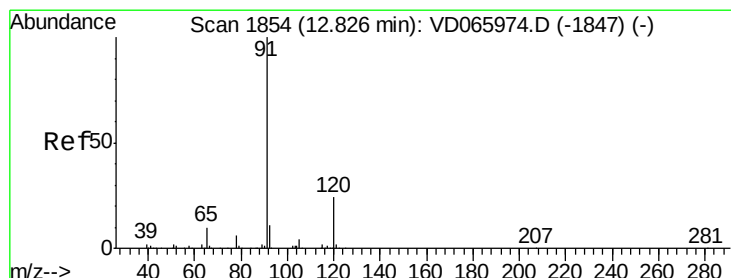
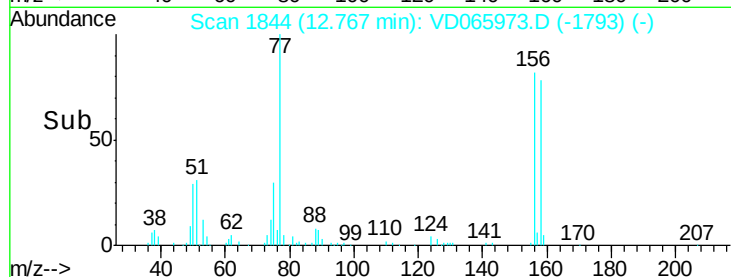
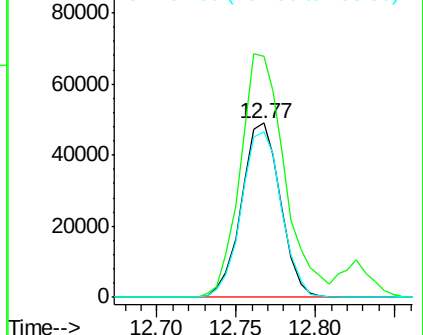
158 97.5 48.2 144.6



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: 20.455 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065973.D

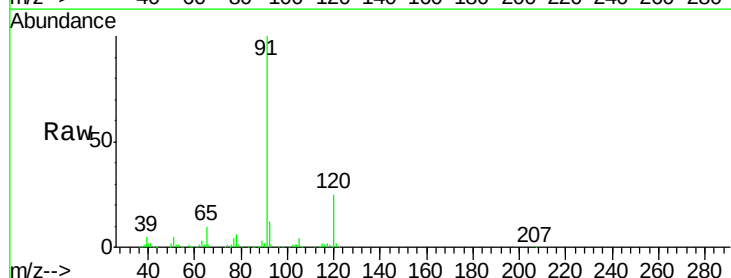
Acq: 21 Jul 2020 10:49

Tgt Ion: 91 Resp: 378082

Ion Ratio Lower Upper

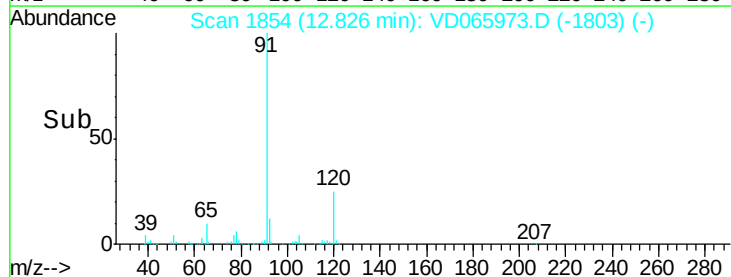
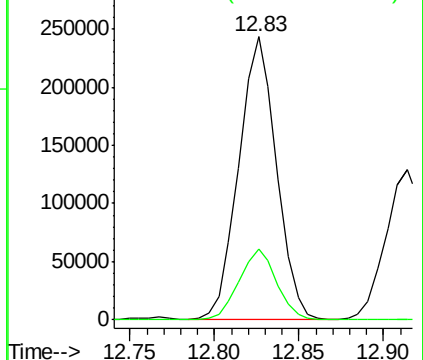
91 100

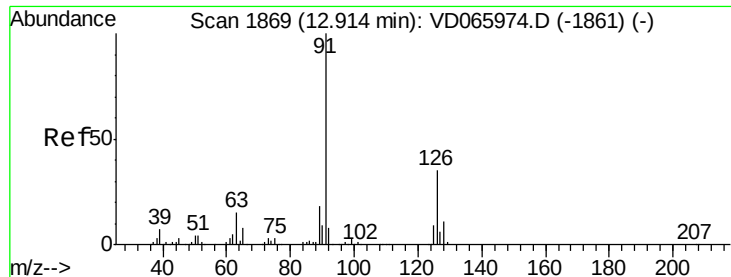
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.293 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

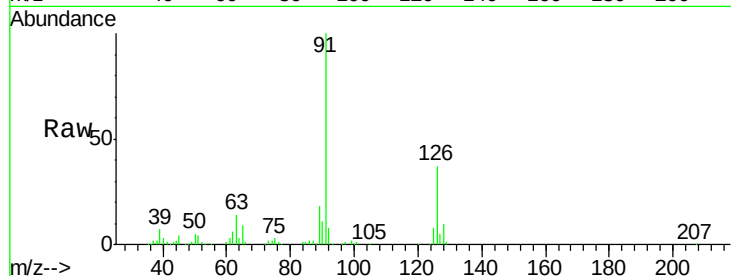
VSTDIC020

Tgt Ion: 91 Resp: 214114

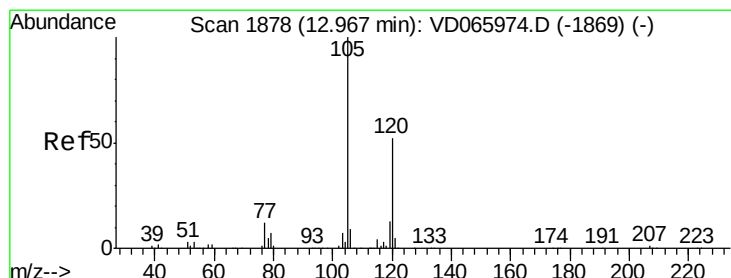
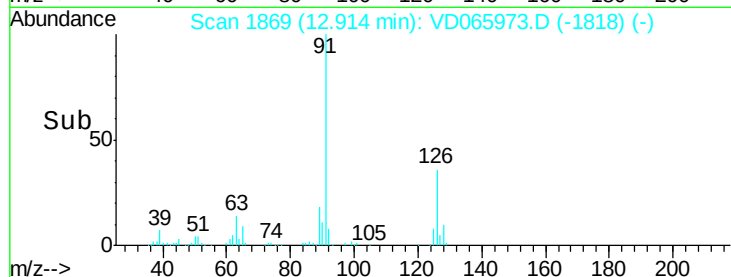
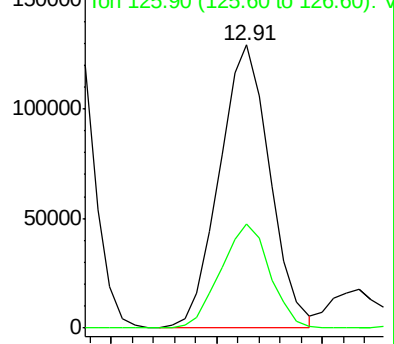
Ion Ratio Lower Upper

91 100

126 35.8 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VD065973.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.631 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065973.D

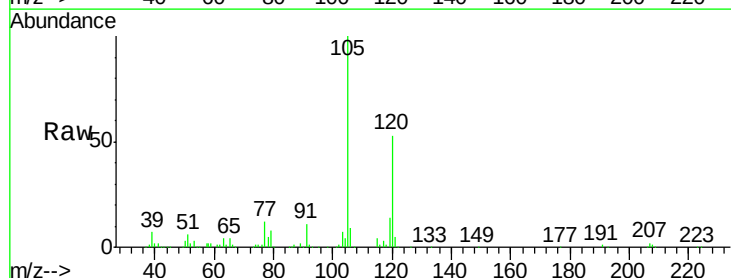
Acq: 21 Jul 2020 10:49

Tgt Ion: 105 Resp: 271086

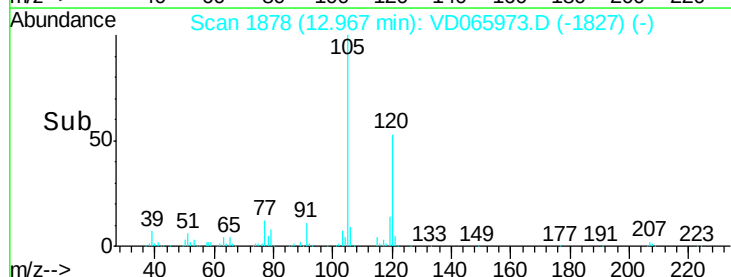
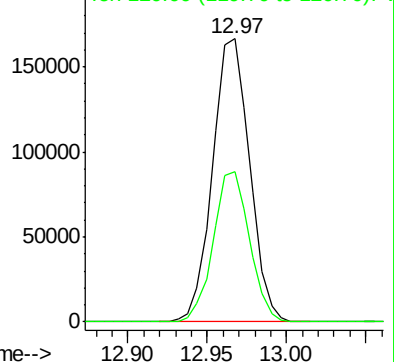
Ion Ratio Lower Upper

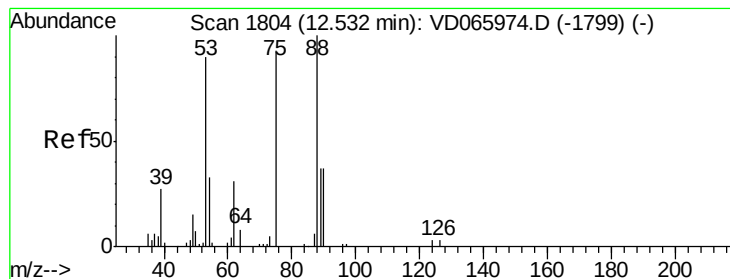
105 100

120 52.0 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065973.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.149 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

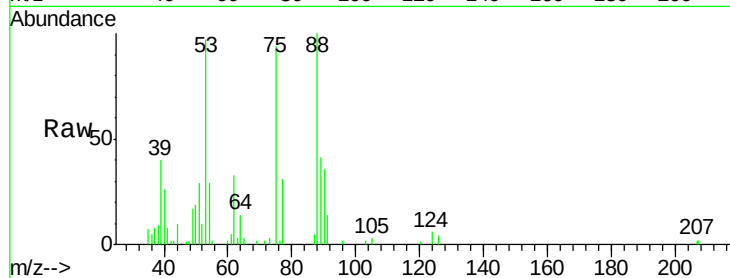
Tgt Ion: 75 Resp: 16809

Ion Ratio Lower Upper

75 100

53 97.1 76.8 115.2

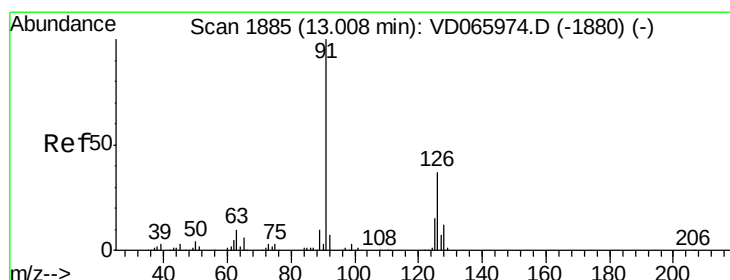
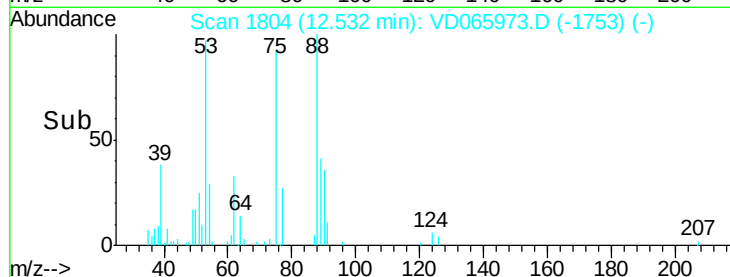
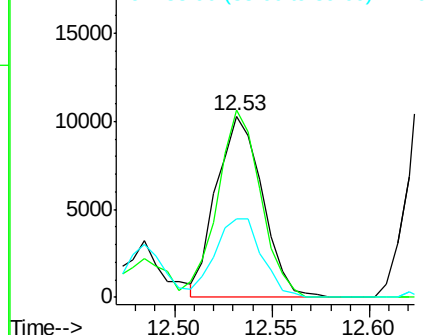
89 44.3 37.0 55.4



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: 20.658 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065973.D

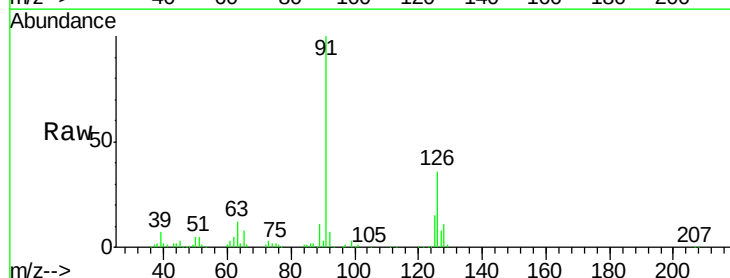
Acq: 21 Jul 2020 10:49

Tgt Ion: 91 Resp: 231546

Ion Ratio Lower Upper

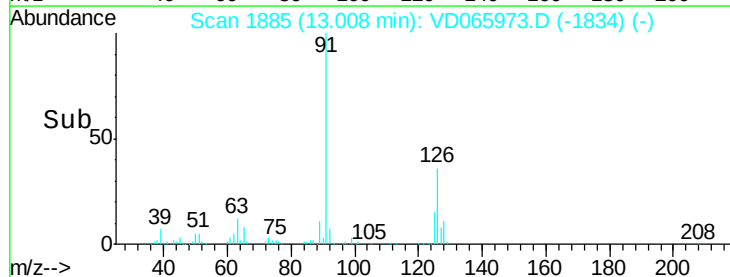
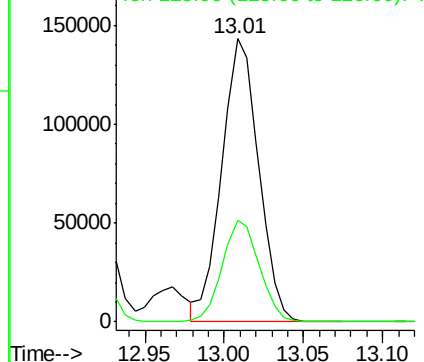
91 100

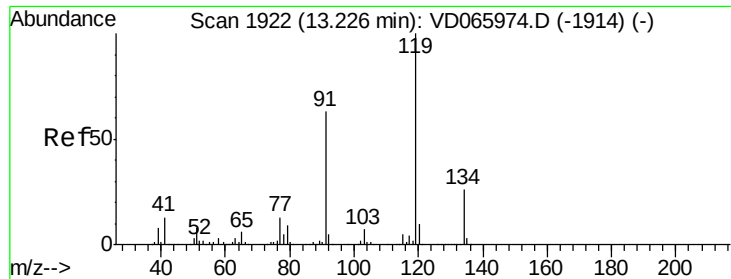
126 36.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

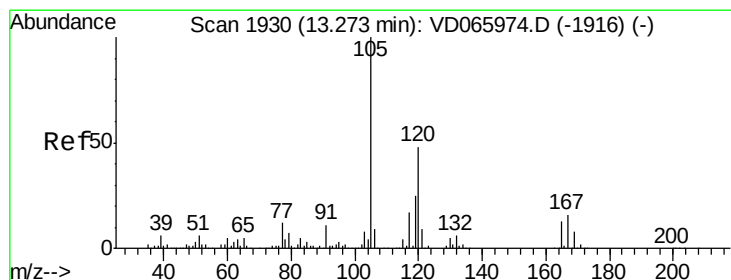
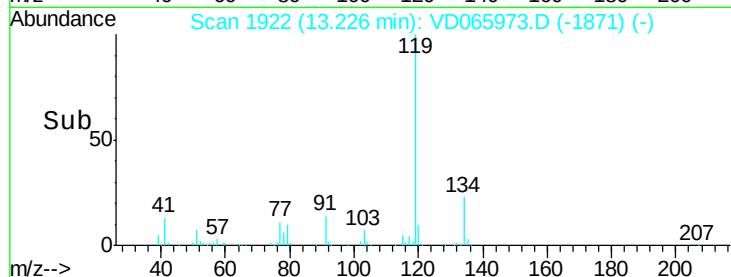
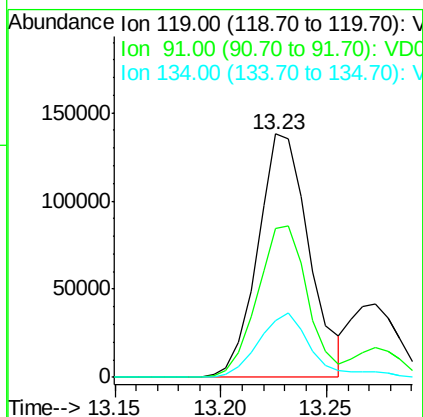
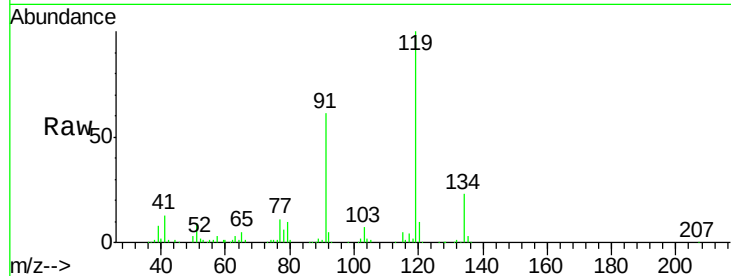




#83
 tert-Butylbenzene
 Concen: 20.470 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

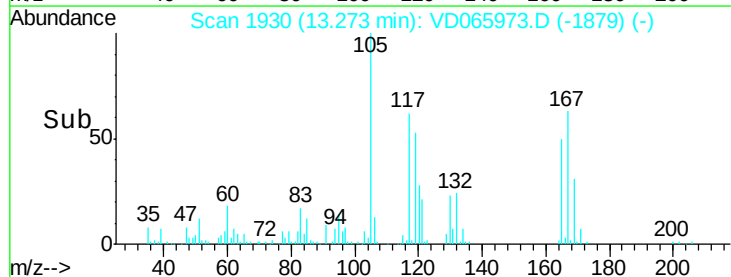
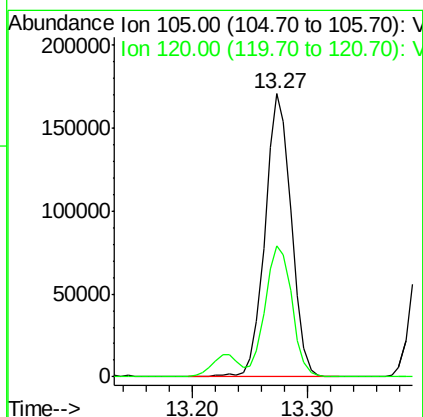
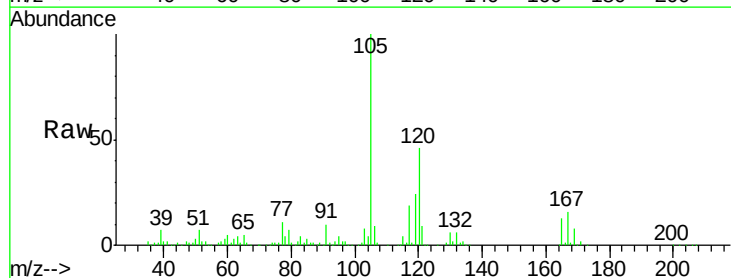
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

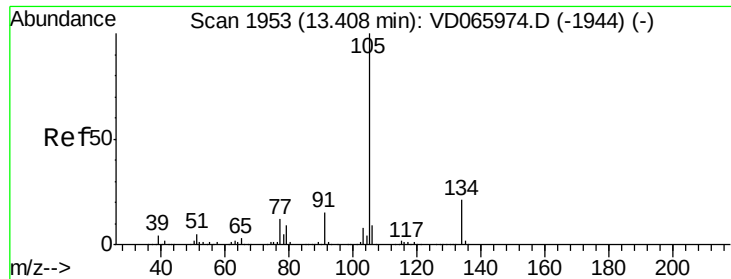
Tgt Ion:119 Resp: 233584
 Ion Ratio Lower Upper
 119 100
 91 61.0 30.6 91.6
 134 27.4 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.939 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion:105 Resp: 269863
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.8





#85

sec-Butylbenzene

Concen: 20.399 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

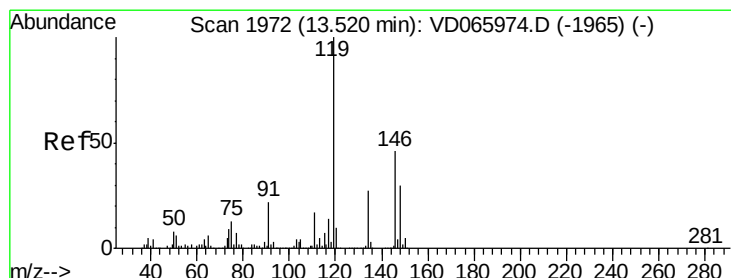
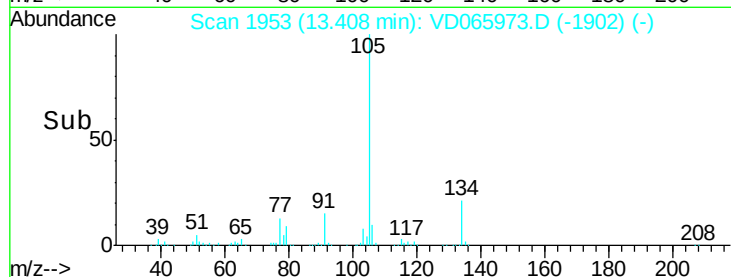
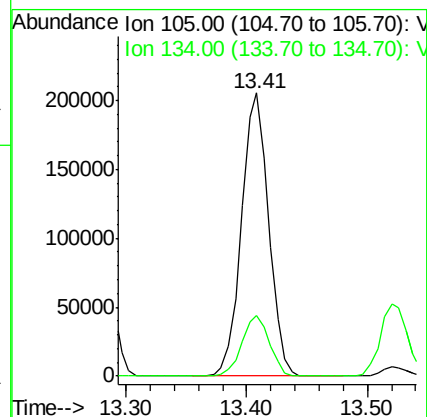
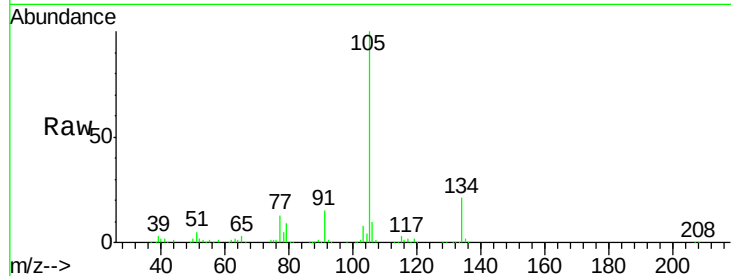
VSTDIC020

Tgt Ion:105 Resp: 321845

Ion Ratio Lower Upper

105 100

134 21.7 10.4 31.4



#86

p-Isopropyltoluene

Concen: 20.994 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

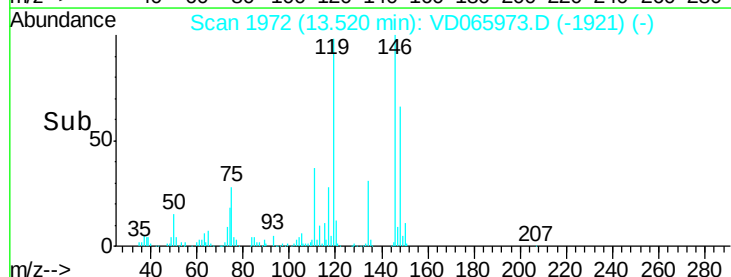
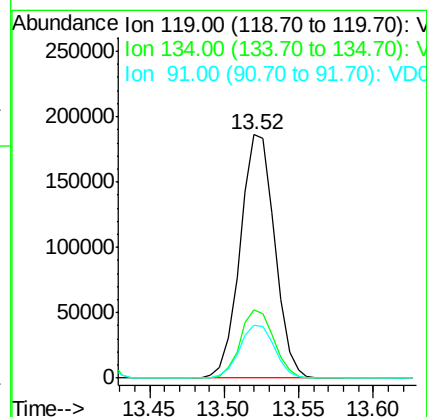
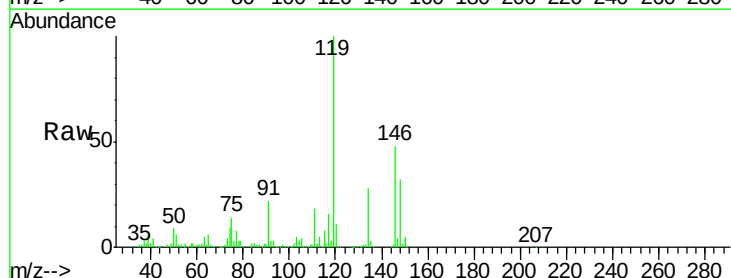
Tgt Ion:119 Resp: 298262

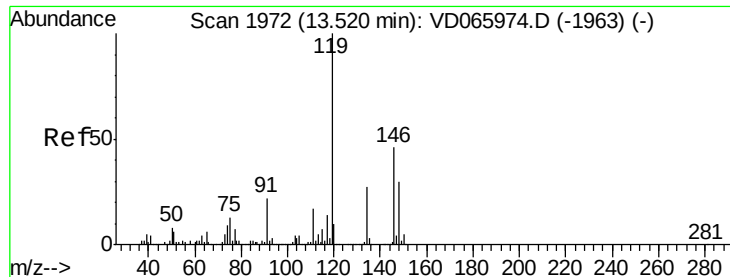
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.2

91 22.0 11.1 33.3

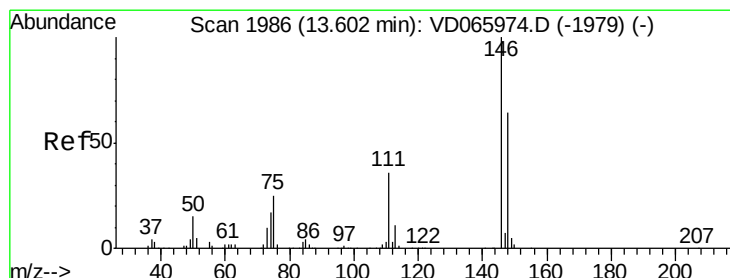
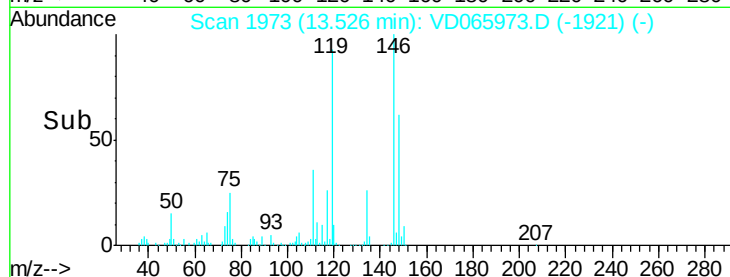
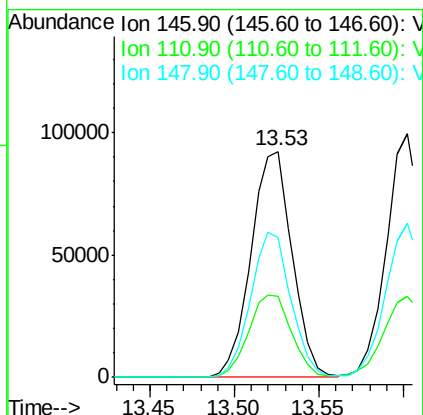
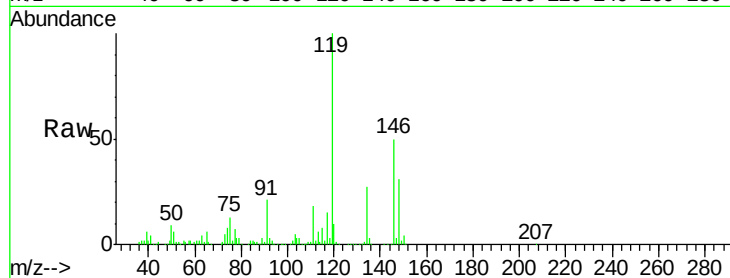




#87
1,3-Dichlorobenzene
Concen: 20.367 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

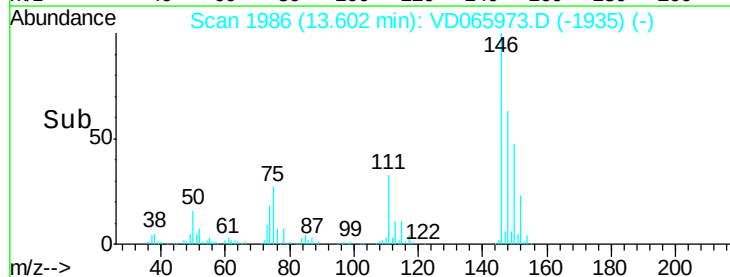
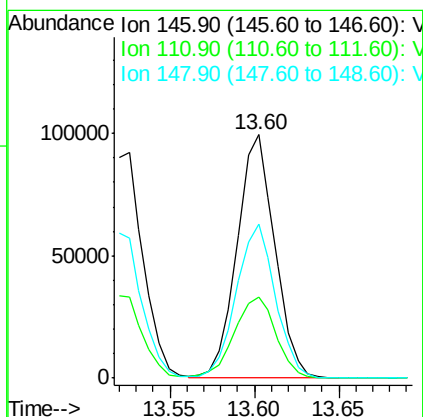
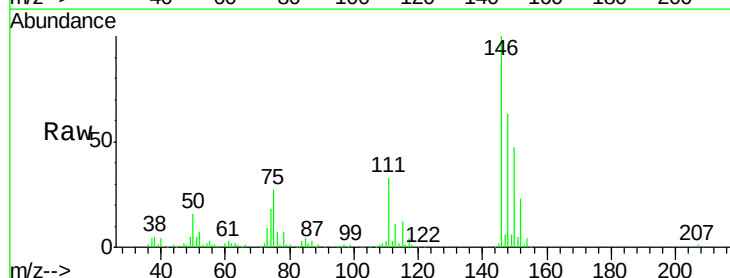
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

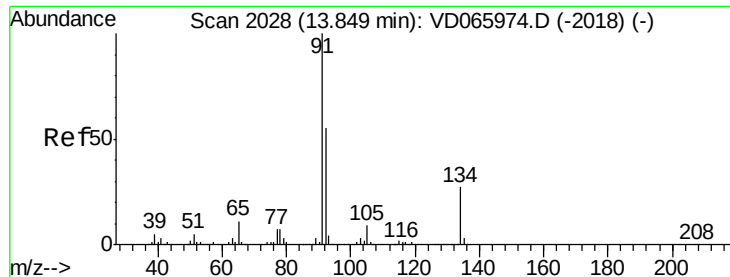
Tgt Ion:146 Resp: 156568
Ion Ratio Lower Upper
146 100
111 38.1 18.6 55.6
148 63.0 32.4 97.0



#88
1,4-Dichlorobenzene
Concen: 20.127 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion:146 Resp: 155074
Ion Ratio Lower Upper
146 100
111 37.0 18.8 56.4
148 65.1 32.2 96.6

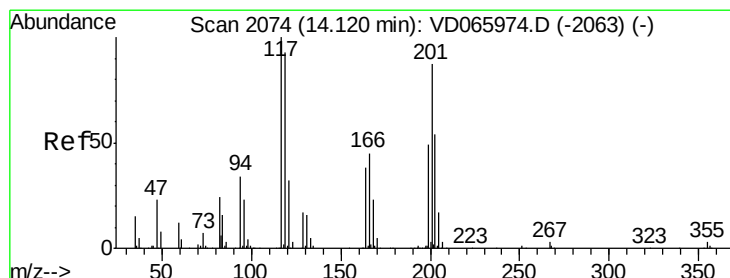
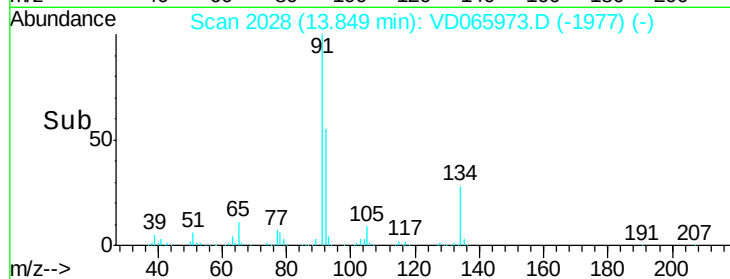
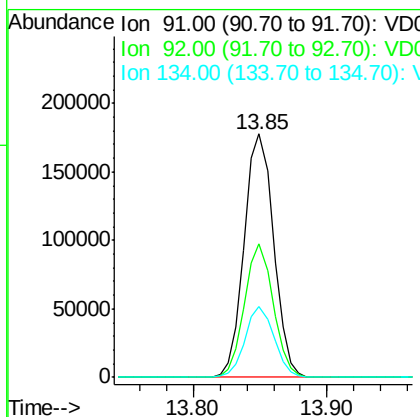
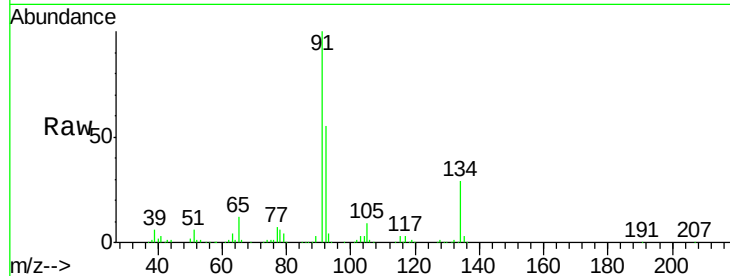




#89
n-Butylbenzene
Concen: 20.572 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

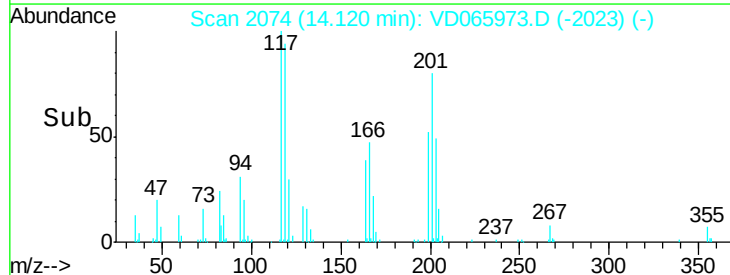
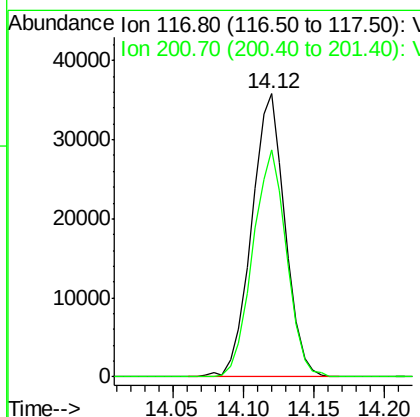
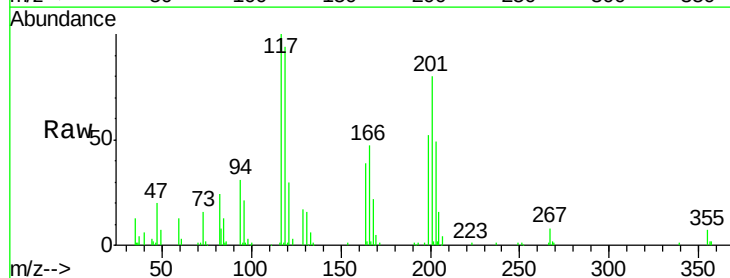
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

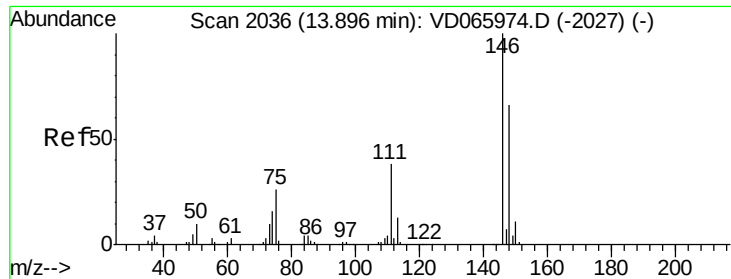
Tgt Ion: 91 Resp: 270324
Ion Ratio Lower Upper
91 100
92 53.6 27.2 81.6
134 28.5 13.8 41.4



#90
Hexachloroethane
Concen: 20.358 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 117 Resp: 59370
Ion Ratio Lower Upper
117 100
201 81.3 42.0 126.1

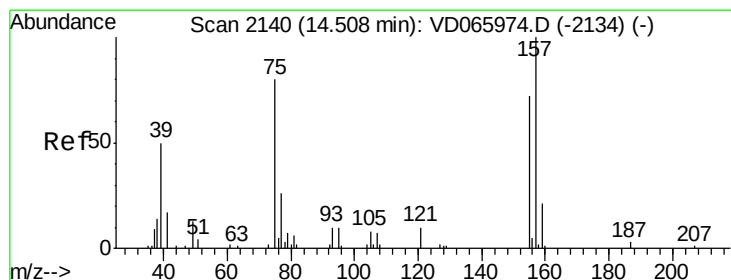
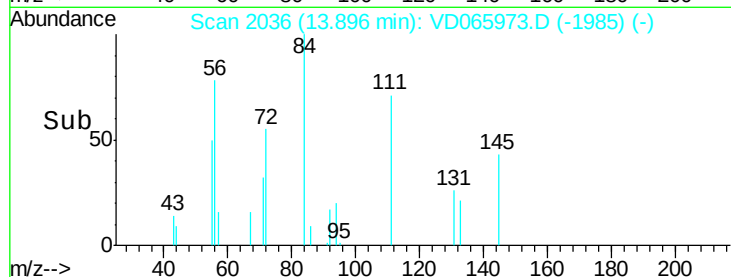
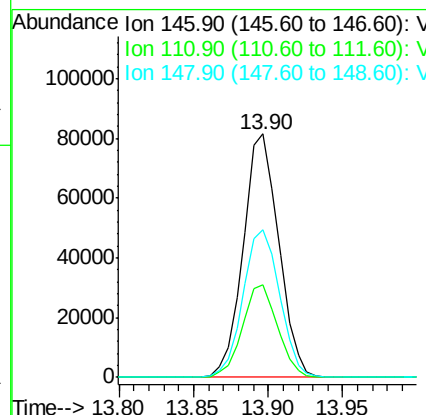
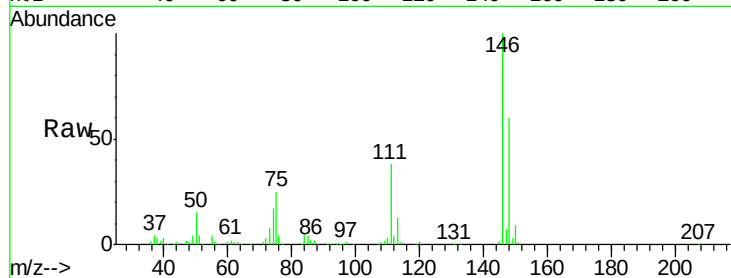




#91
 1,2-Dichlorobenzene
 Concen: 20.405 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

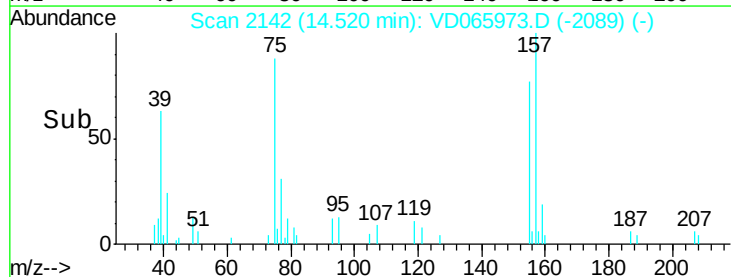
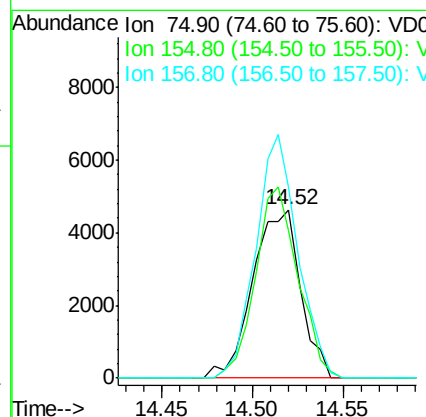
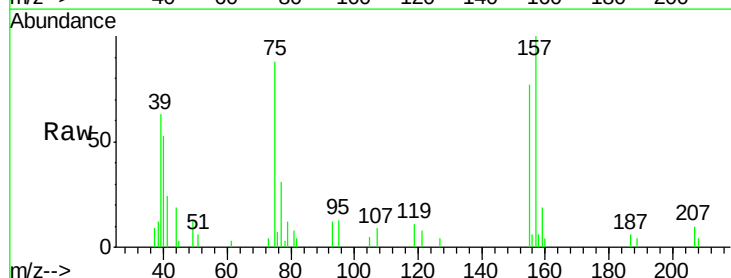
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

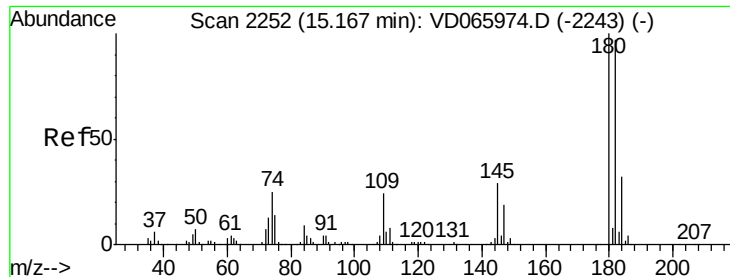
Tgt Ion:146 Resp: 134310
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.3 57.9
 148 62.8 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.391 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 75 Resp: 8475
 Ion Ratio Lower Upper
 75 100
 155 101.1 48.5 145.5
 157 127.2 64.7 194.1

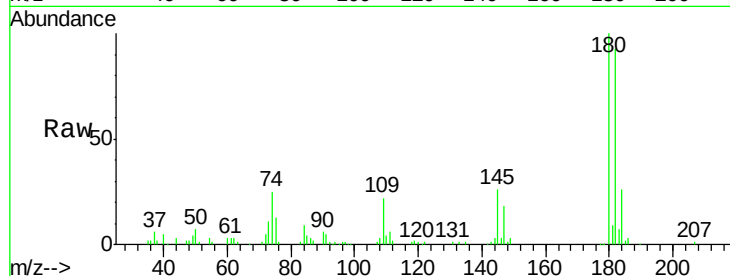




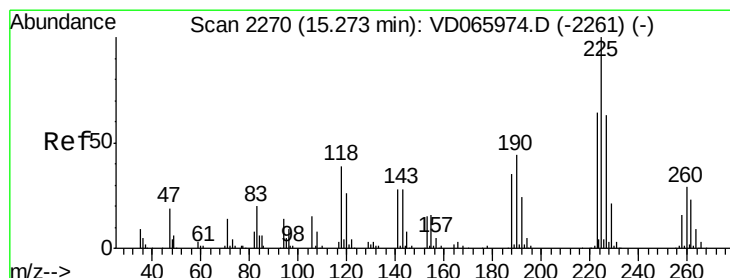
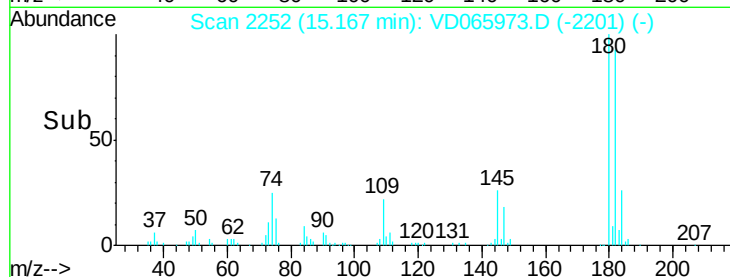
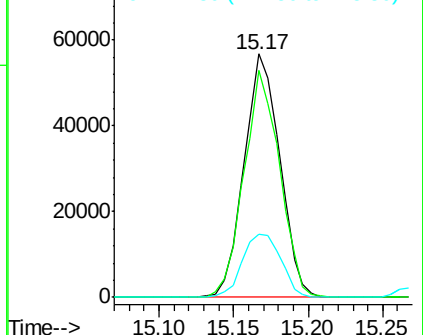
#93
 1,2,4-Trichlorobenzene
 Concen: 20.550 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 93991
 Ion Ratio Lower Upper
 180 100
 182 93.3 48.1 144.3
 145 28.1 14.7 44.1

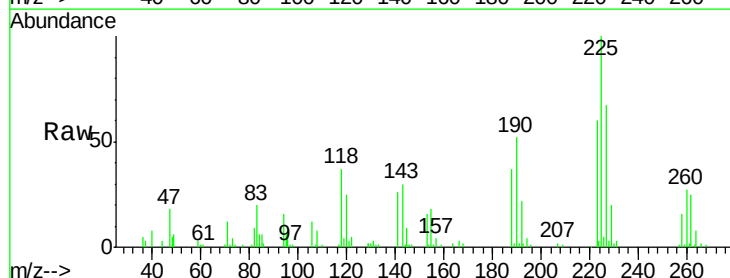


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

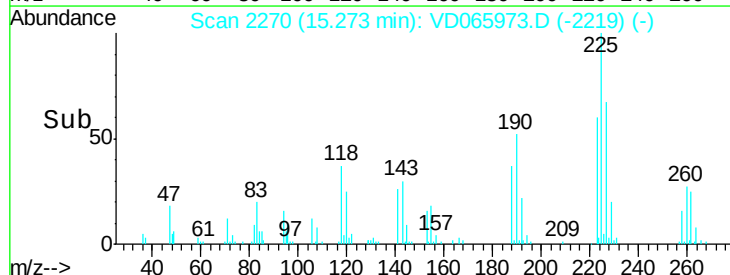
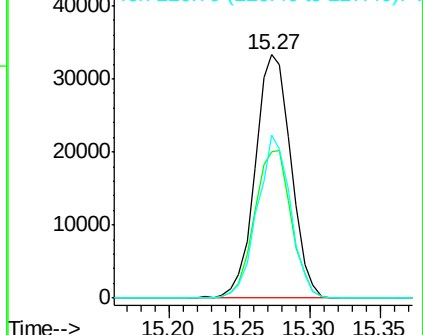


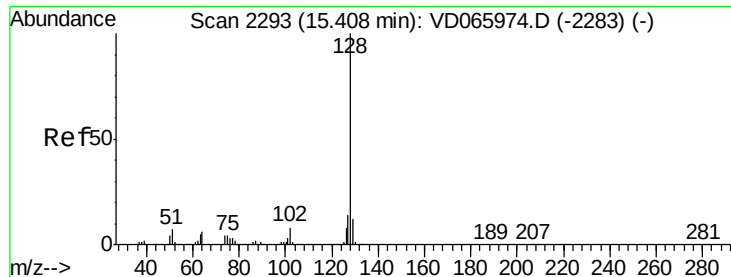
#94
 Hexachlorobutadiene
 Concen: 20.619 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion:225 Resp: 59051
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.2 93.6
 227 62.5 31.6 94.8



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: 21.134 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

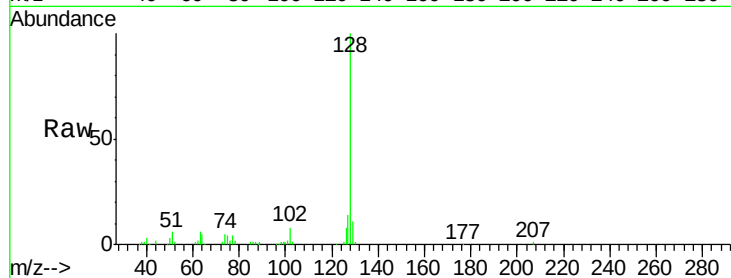
Tgt Ion:128 Resp: 147599

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

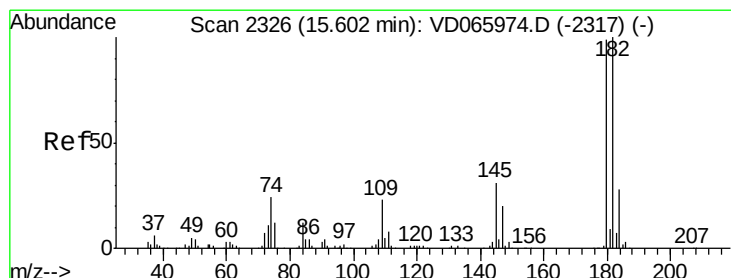
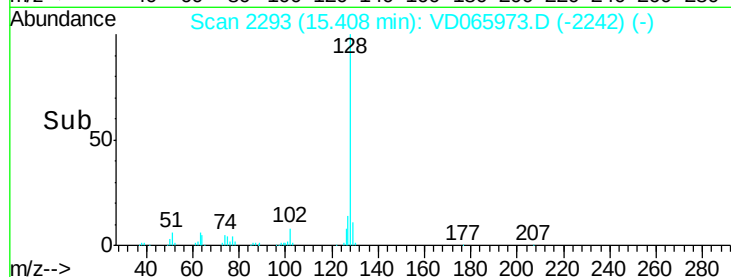
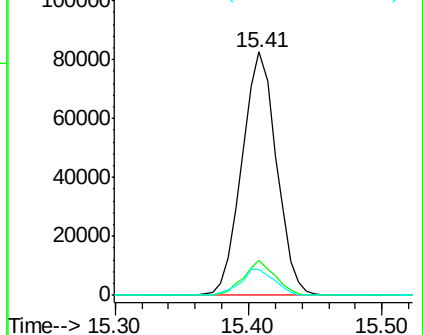
129 10.5 8.9 13.3



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: 20.371 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

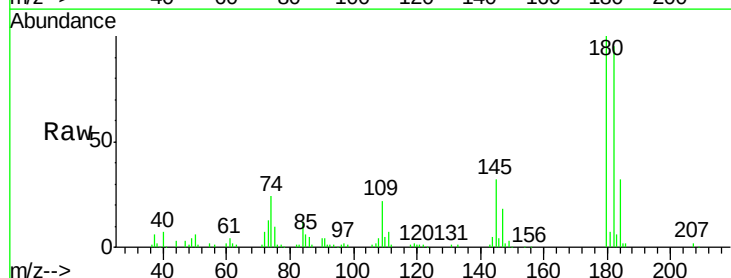
Tgt Ion:180 Resp: 81540

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.6

145 30.9 15.4 46.2



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

