

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065573.D
 Acq On : 31 Mar 2020 18:37
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 01 08:15:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	507845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	743434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	701695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	224558	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	7.92	113	240669	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.34	98	908475	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.64	95	294902	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	133165	47.426	ug/l	100
3) Chloromethane	2.21	50	207463	51.873	ug/l	96
4) Vinyl Chloride	2.35	62	219334	46.736	ug/l	99
5) Bromomethane	2.77	94	148191	50.009	ug/l	97
6) Chloroethane	2.93	64	141208	46.562	ug/l	98
7) Trichlorofluoromethane	3.27	101	325840	46.538	ug/l	99
8) Diethyl Ether	3.70	74	82679	37.216	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	173807	37.639	ug/l	98
10) Methyl Iodide	4.30	142	200614	37.546	ug/l	95
11) Tert butyl alcohol	5.24	59	48450	203.806	ug/l	97
12) 1,1-Dichloroethene	4.06	96	159969	36.461	ug/l	91
13) Acrolein	3.93	56	87965	219.159	ug/l	98
14) Allyl chloride	4.71	41	277898	41.628	ug/l	92
15) Acrylonitrile	5.43	53	194076	212.148	ug/l	98
16) Acetone	4.17	43	152240	190.858	ug/l	89
17) Carbon Disulfide	4.40	76	531763	36.765	ug/l	100
18) Methyl Acetate	4.73	43	83661	40.335	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	414203	47.337	ug/l	100
20) Methylene Chloride	4.97	84	205903	40.677	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	211295	41.860	ug/l	94
22) Diisopropyl ether	6.37	45	718564	55.508	ug/l	99
23) Vinyl Acetate	6.31	43	1962727	278.357	ug/l	100
24) 1,1-Dichloroethane	6.27	63	420181	51.186	ug/l	99
25) 2-Butanone	7.22	43	277336	256.013	ug/l	98
26) 2,2-Dichloropropane	7.21	77	357189	49.138	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	279662	53.466	ug/l	99
28) Bromochloromethane	7.56	49	171577	50.270	ug/l	98
29) Tetrahydrofuran	7.57	42	184889	263.340	ug/l	99
30) Chloroform	7.71	83	445020	52.335	ug/l	98
31) Cyclohexane	7.98	56	376257	47.348	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	385547	50.188	ug/l	99
36) 1,1-Dichloropropene	8.11	75	334779	49.287	ug/l	100
37) Ethyl Acetate	7.30	43	131179	50.453	ug/l	98
38) Carbon Tetrachloride	8.10	117	354004	49.482	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	405228	50.601	ug/l	99
40) Benzene	8.36	78	1000915	51.640	ug/l	99
41) Methacrylonitrile	7.54	41	73894	49.235	ug/l	96
42) 1,2-Dichloroethane	8.43	62	270277	52.404	ug/l	99
43) Isopropyl Acetate	8.46	43	246928	52.299	ug/l	98
44) Trichloroethene	9.12	130	279957	49.780	ug/l	94
45) 1,2-Dichloropropane	9.39	63	248575	52.795	ug/l	97
46) Dibromomethane	9.48	93	129717	52.505	ug/l	99
47) Bromodichloromethane	9.67	83	341350	52.155	ug/l	98
48) Methyl methacrylate	9.46	41	118790	52.913	ug/l	97
49) 1,4-Dioxane	9.47	88	29388	1093.912	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	644956	270.683	ug/l	100
52) Toluene	10.41	92	654381	53.311	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	321141	53.648	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	391197	53.414	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	185190	52.545	ug/l	99
56) Ethyl methacrylate	10.67	69	213065	49.536	ug/l	96
57) 1,3-Dichloropropane	10.95	76	311583	52.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	550292	275.149	ug/l	100
59) 2-Hexanone	10.99	43	428161	263.552	ug/l	100
60) Dibromochloromethane	11.14	129	246252	52.724	ug/l	100
61) 1,2-Dibromoethane	11.25	107	176650	51.788	ug/l	100
64) Tetrachloroethene	10.88	164	241141	47.975	ug/l	97
65) Chlorobenzene	11.68	112	693064	50.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	263432	51.495	ug/l	98
67) Ethyl Benzene	11.75	91	1210975	52.410	ug/l	98
68) m/p-Xylenes	11.86	106	963251	106.175	ug/l	98
69) o-Xylene	12.18	106	432274	54.406	ug/l	100
70) Styrene	12.20	104	768252	54.745	ug/l	99
71) Bromoform	12.37	173	143497	50.855	ug/l #	100
73) Isopropylbenzene	12.48	105	1150067	53.639	ug/l	99
74) N-amyl acetate	12.30	43	225245	53.231	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	187746	50.412	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	128341m	47.807	ug/l	
77) Bromobenzene	12.77	156	293999	52.472	ug/l	99
78) n-propylbenzene	12.83	91	1359525	53.195	ug/l	99
79) 2-Chlorotoluene	12.91	91	762664	52.307	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	957969	53.904	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60687	50.460	ug/l	99
82) 4-Chlorotoluene	13.01	91	801229	51.709	ug/l	100
83) tert-Butylbenzene	13.23	119	790293	53.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	964404	54.281	ug/l	100
85) sec-Butylbenzene	13.41	105	1118833	52.528	ug/l	100
86) p-Isopropyltoluene	13.53	119	1045261	53.253	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	552682	51.240	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	542023	50.292	ug/l	99
89) n-Butylbenzene	13.86	91	942051	52.850	ug/l	100
90) Hexachloroethane	14.12	117	207484	50.408	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	477695	52.172	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27293	48.645	ug/l	94

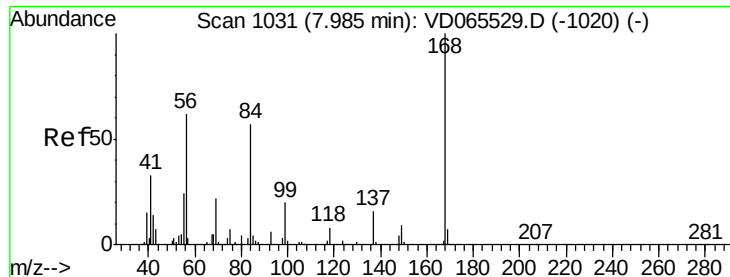
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033120\
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Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:47:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	326257	51.524	ug/l	99
94) Hexachlorobutadiene	15.28	225	198280	48.052	ug/l	99
95) Naphthalene	15.41	128	525470	48.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	283668	52.160	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

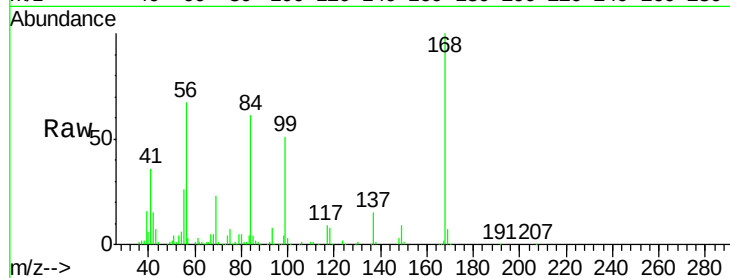
VSTDCCC050EC

Tot Ion:168 Resp: 507845

Ion Ratio Lower Upper

168 100

99 50.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

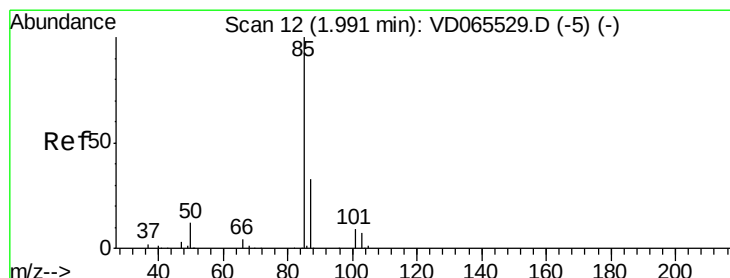
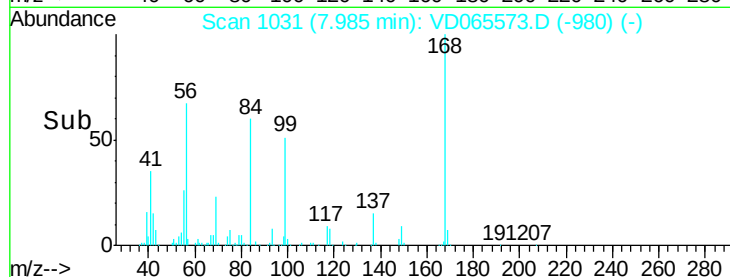
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.426 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065573.D

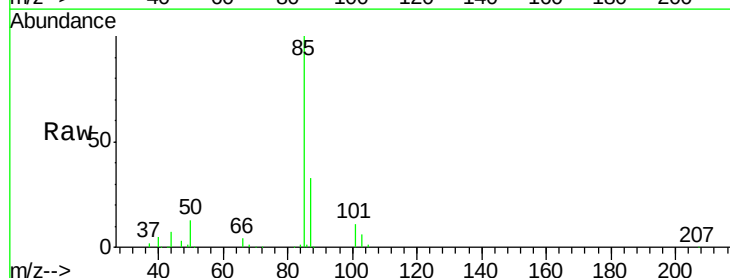
Acq: 31 Mar 2020 18:37

Tgt Ion: 85 Resp: 133165

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

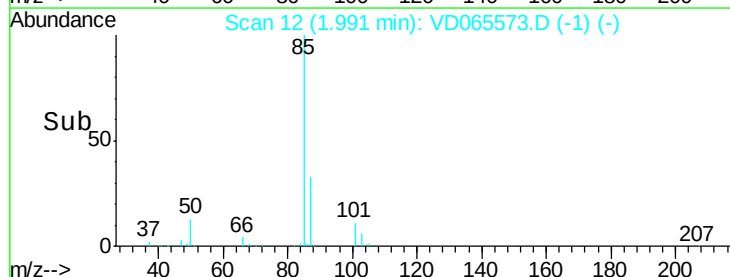
40000

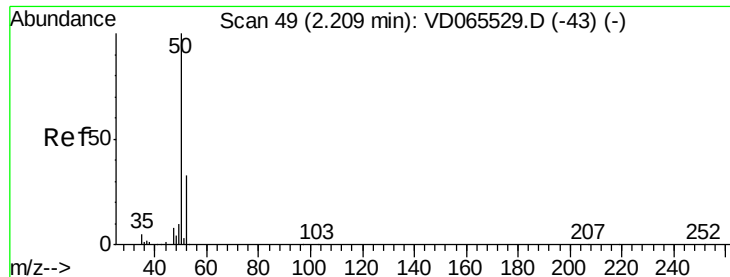
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 51.873 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

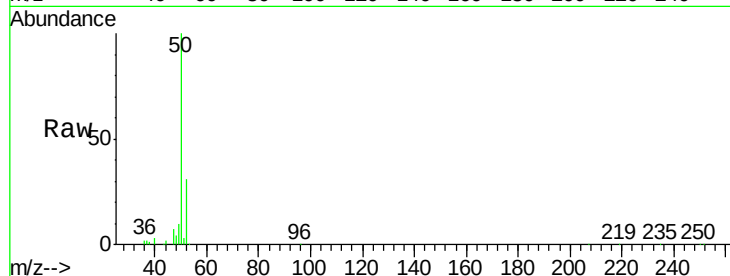
VSTDCCC050EC

Tot Ion: 50 Resp: 207463

Ion Ratio Lower Upper

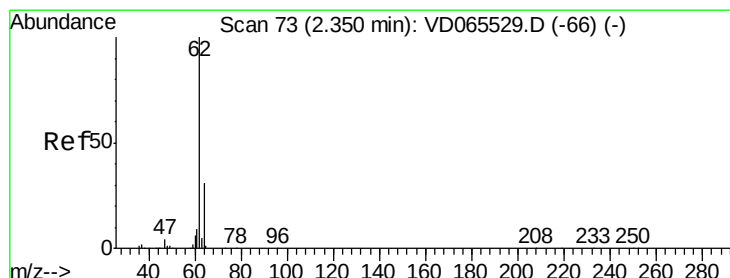
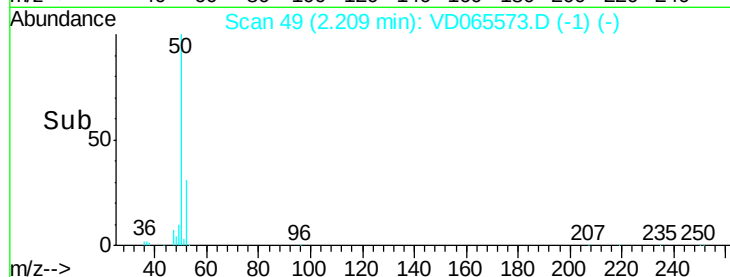
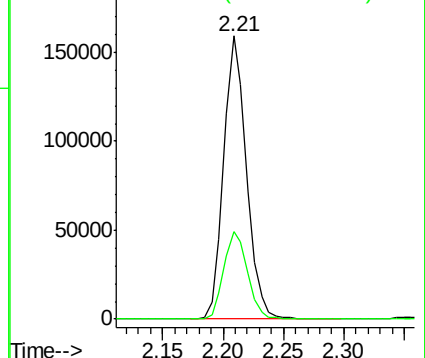
50 100

52 30.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.736 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065573.D

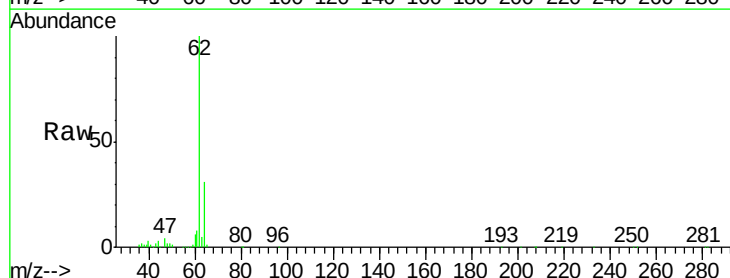
Acq: 31 Mar 2020 18:37

Tgt Ion: 62 Resp: 219334

Ion Ratio Lower Upper

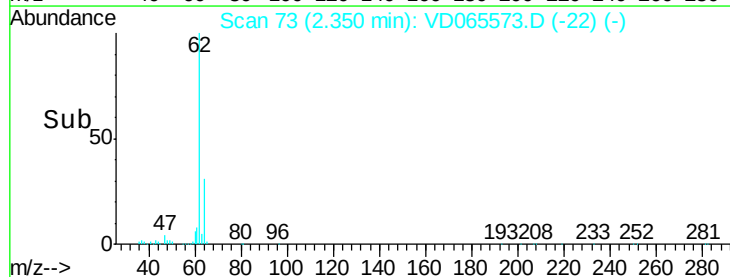
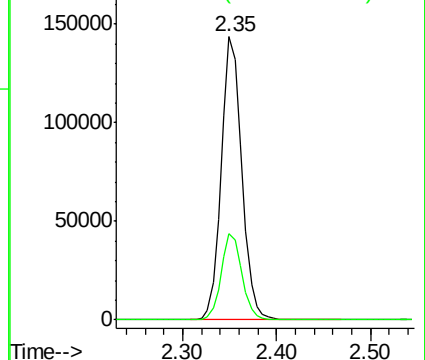
62 100

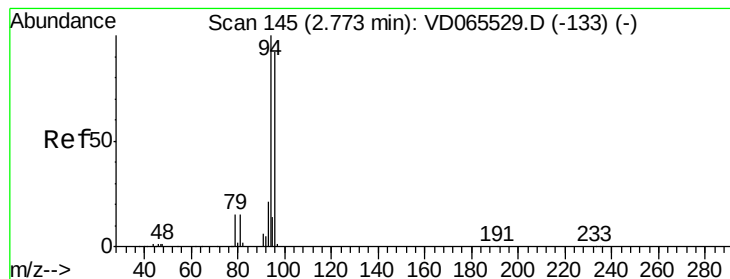
64 30.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.009 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

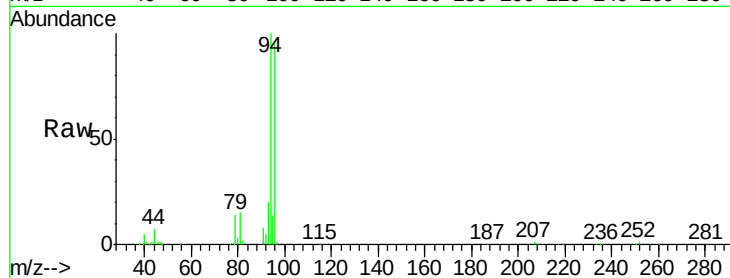
VSTDCCC050EC

Tot Ion: 94 Resp: 148191

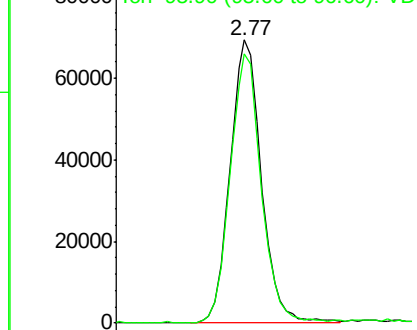
Ion Ratio Lower Upper

94 100

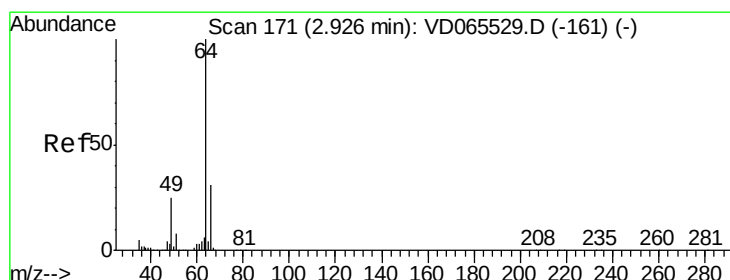
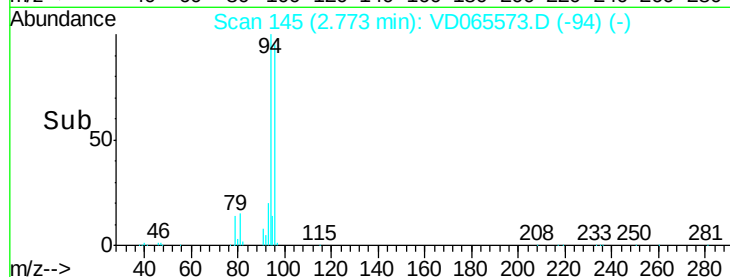
96 95.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 46.562 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065573.D

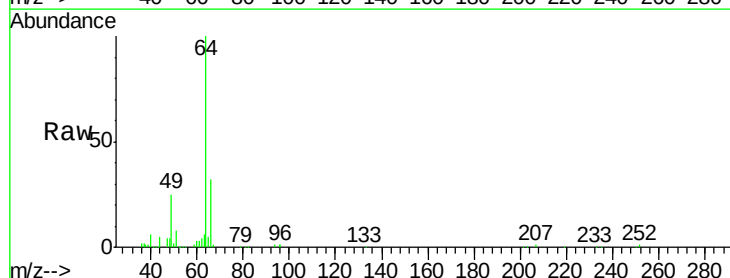
Acq: 31 Mar 2020 18:37

Tgt Ion: 64 Resp: 141208

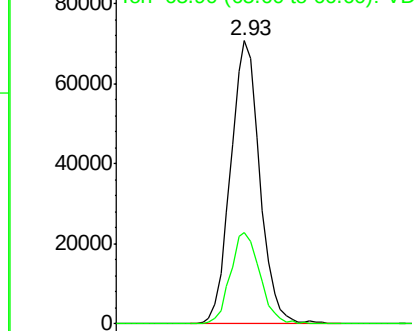
Ion Ratio Lower Upper

64 100

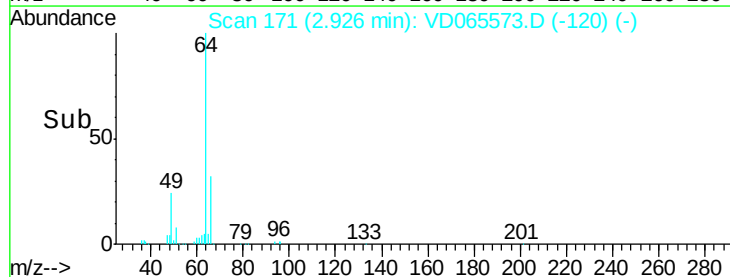
66 32.4 25.0 37.6

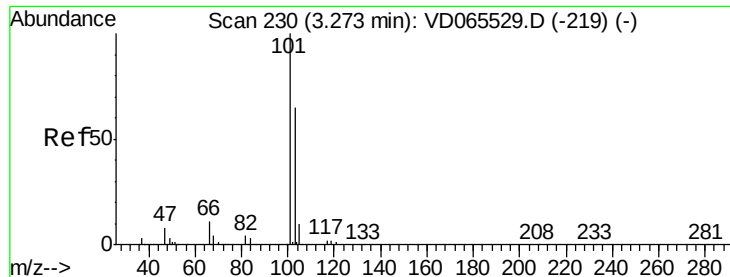


Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



Time-->



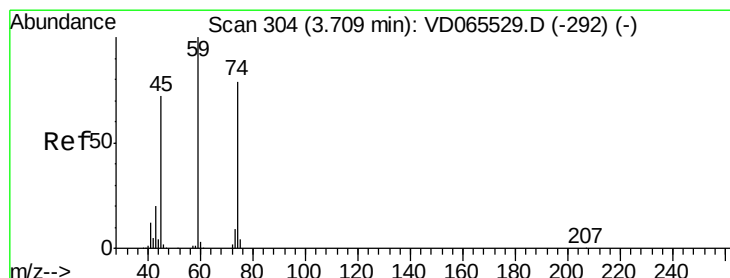
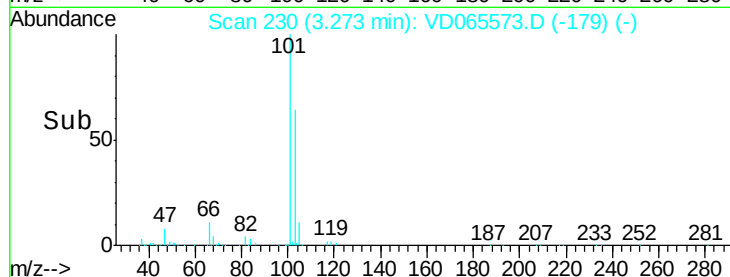
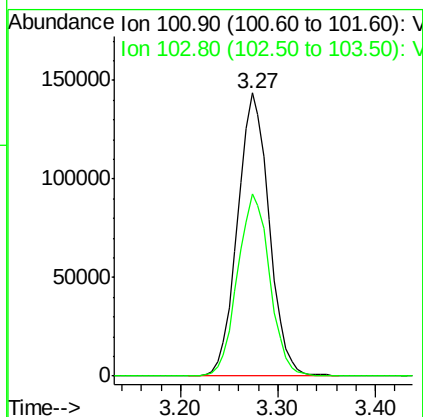
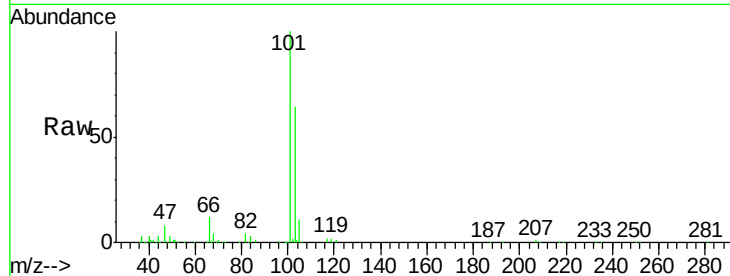


#7

Trichlorofluoromethane
 Concen: 46.538 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

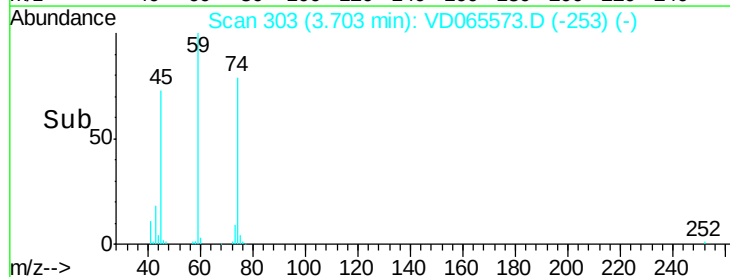
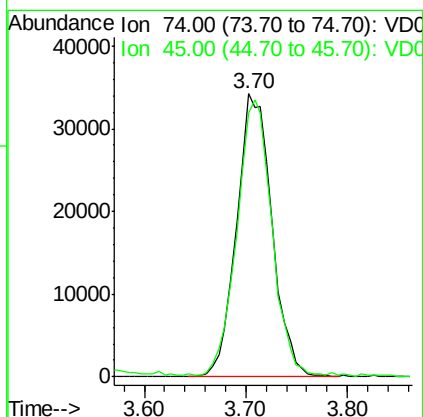
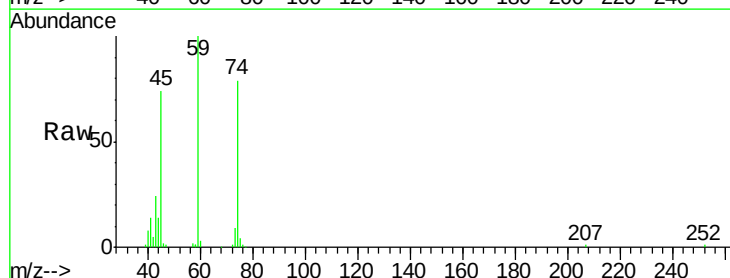
Tot Ion:101 Resp: 325840
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9

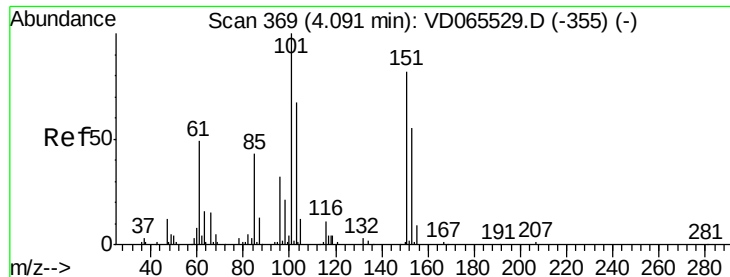


#8

Diethyl Ether
 Concen: 37.216 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion: 74 Resp: 82679
 Ion Ratio Lower Upper
 74 100
 45 95.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.639 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

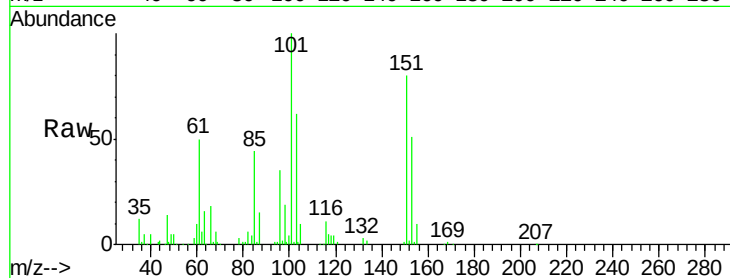
Tot Ion:101 Resp: 173807

Ion Ratio Lower Upper

101 100

85 44.0 32.6 48.8

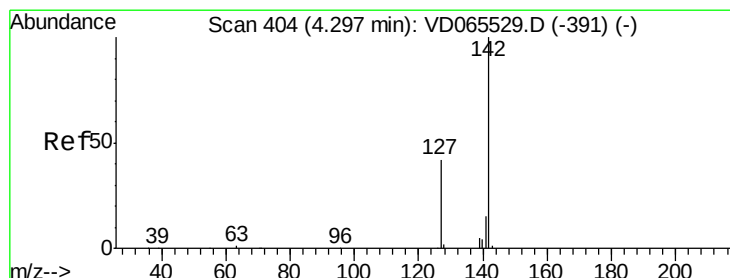
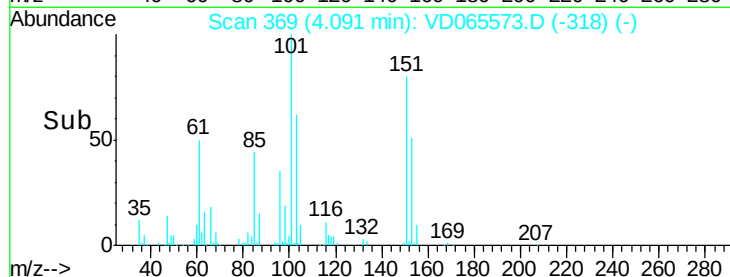
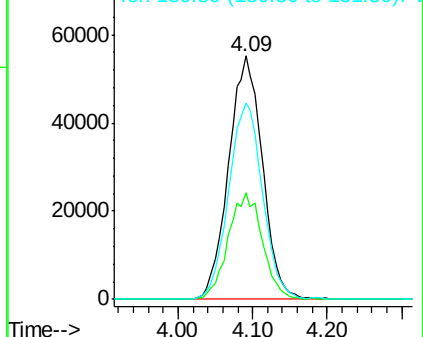
151 80.9 65.5 98.3



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: 37.546 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

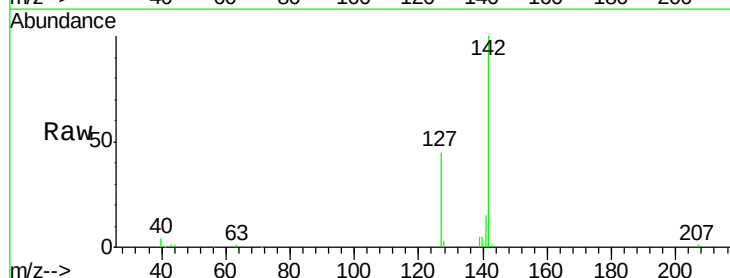
Tgt Ion:142 Resp: 200614

Ion Ratio Lower Upper

142 100

127 46.7 33.9 50.9

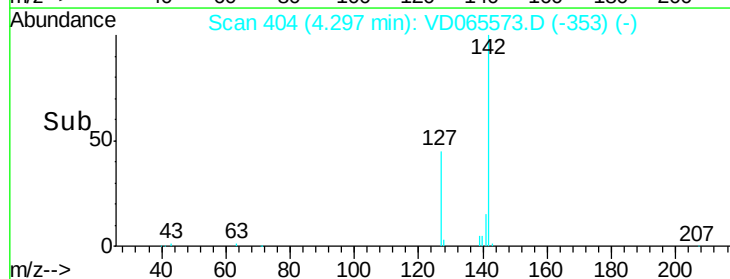
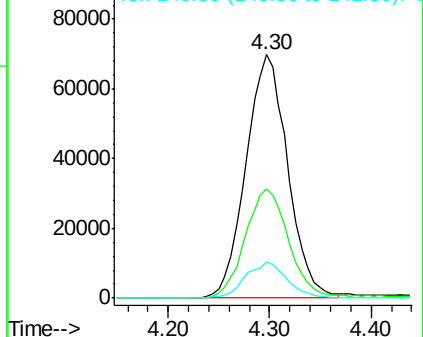
141 14.8 11.6 17.4

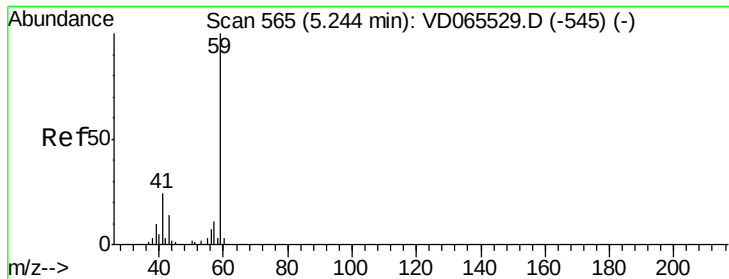


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



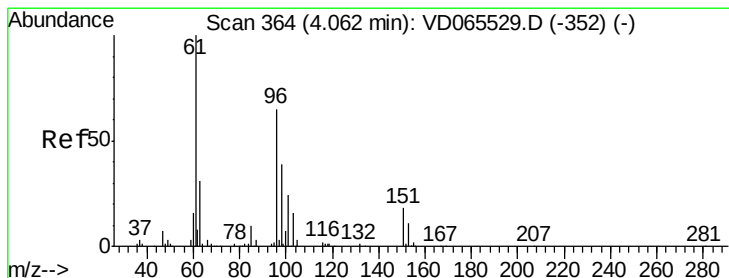
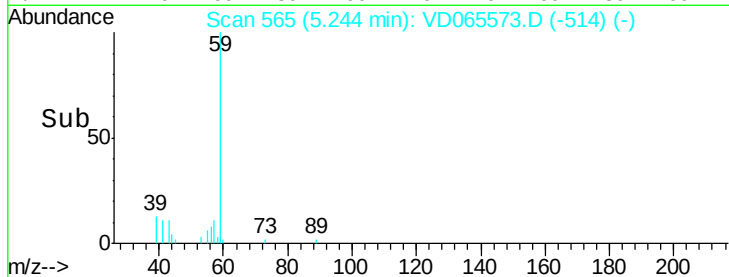
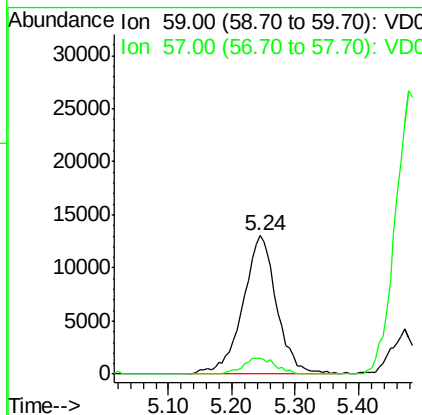
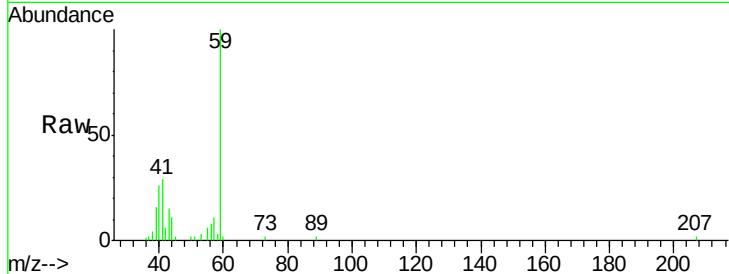


#11

Tert butyl alcohol
 Concen: 203.806 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

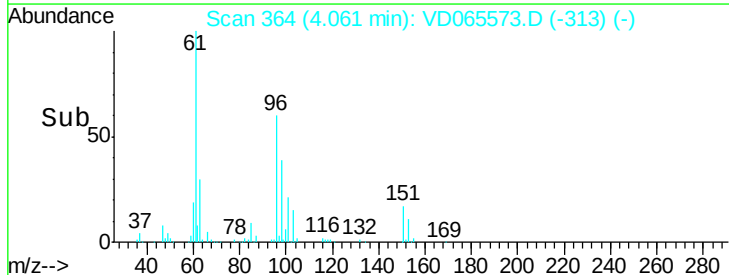
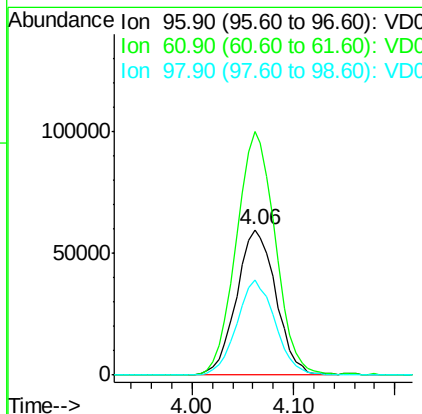
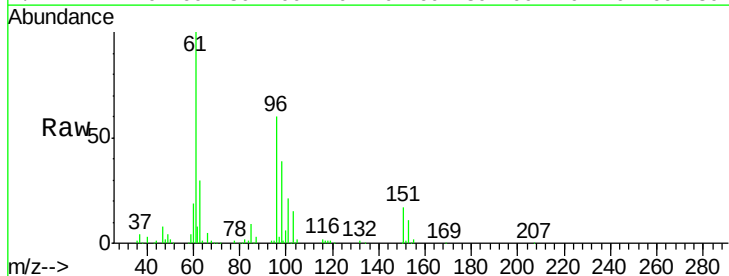
Tot Ion: 59 Resp: 48450
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.1 12.1

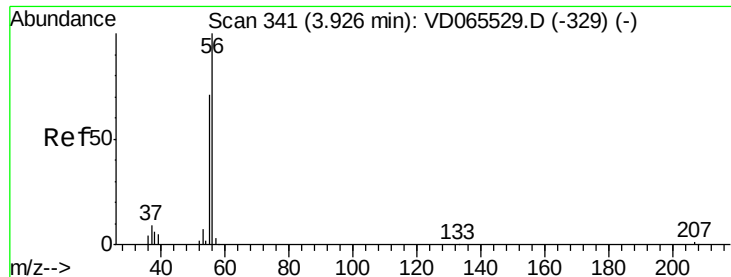


#12

1,1-Dichloroethene
 Concen: 36.461 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion: 96 Resp: 159969
 Ion Ratio Lower Upper
 96 100
 61 167.4 124.0 186.0
 98 65.5 48.2 72.4





#13

Acrolein

Concen: 219.159 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

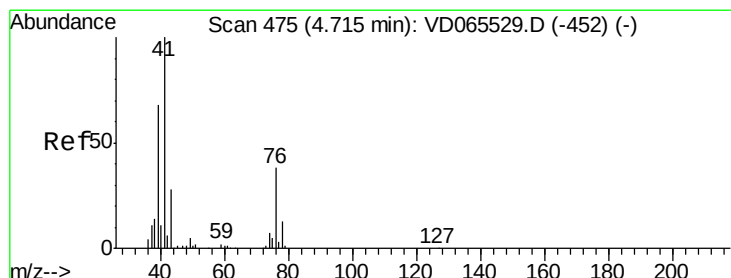
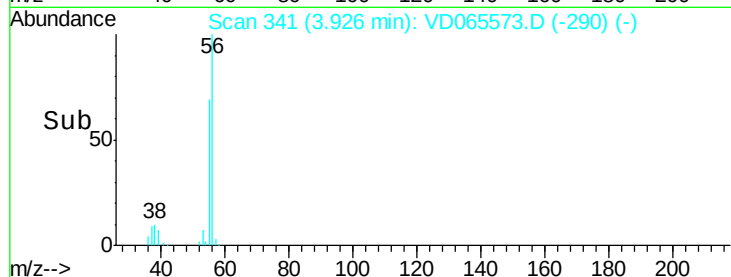
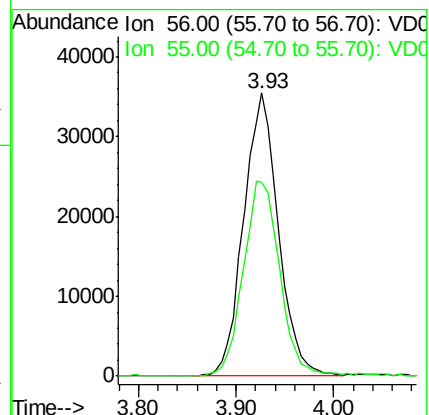
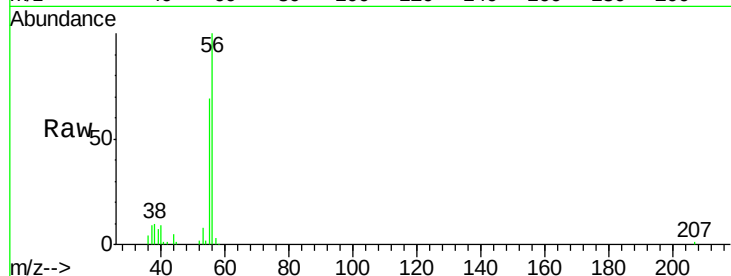
VSTDCCC050EC

Tot Ion: 56 Resp: 87965

Ion Ratio Lower Upper

56 100

55 72.2 56.2 84.2



#14

Allyl chloride

Concen: 41.628 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

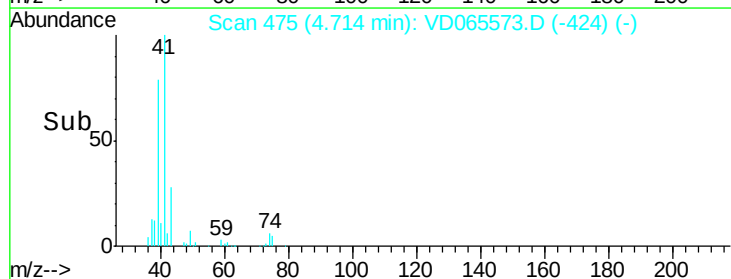
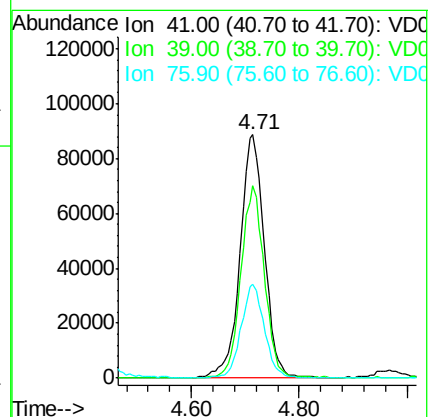
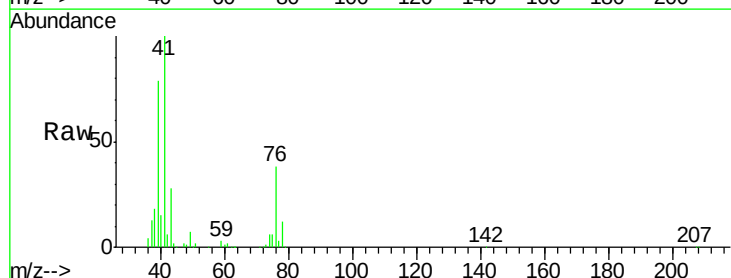
Tgt Ion: 41 Resp: 277898

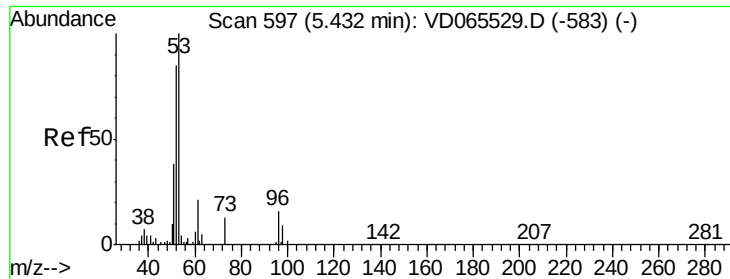
Ion Ratio Lower Upper

41 100

39 75.8 52.9 79.3

76 35.9 28.9 43.3

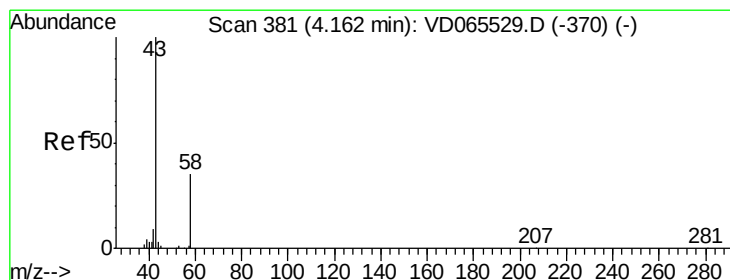
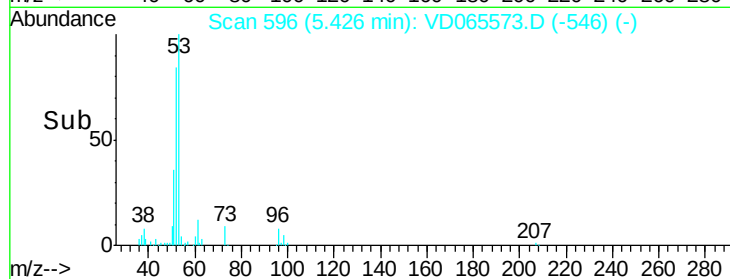
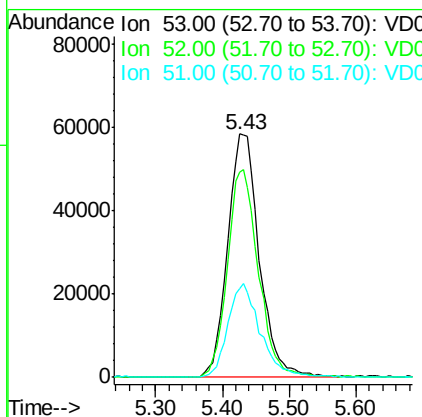
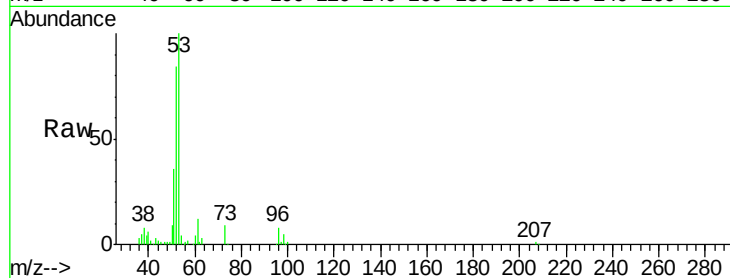




#15
 Acrylonitrile
 Concen: 212.148 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

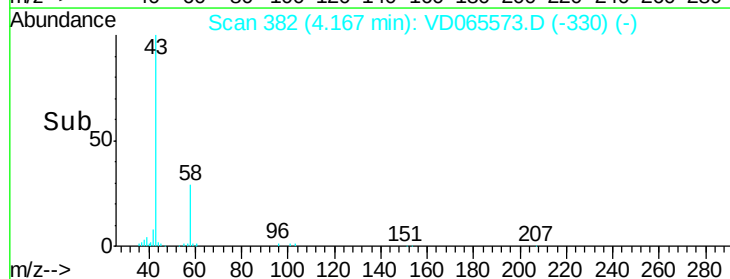
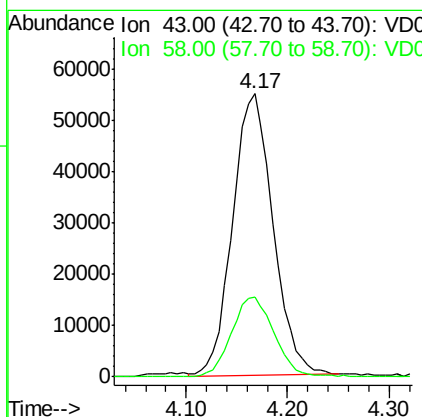
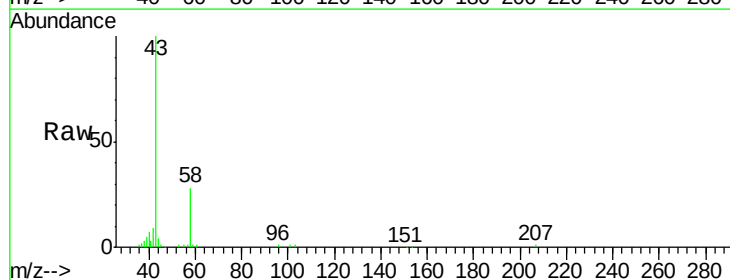
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

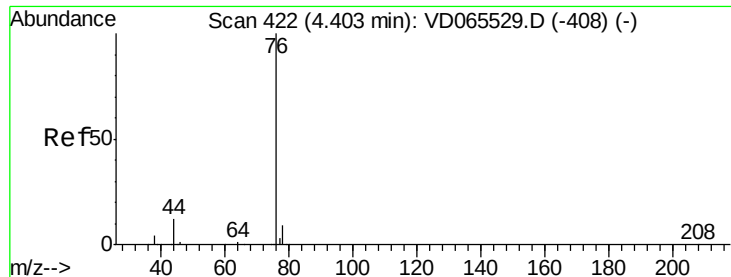
Tot Ion	53	Resp	194076
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.8	98.6
51	39.3	29.7	44.5



#16
 Acetone
 Concen: 190.858 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion	43	Resp	152240
Ion Ratio	Lower	Upper	
43	100		
58	28.6	27.9	41.9





#17

Carbon Disulfide

Concen: 36.765 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

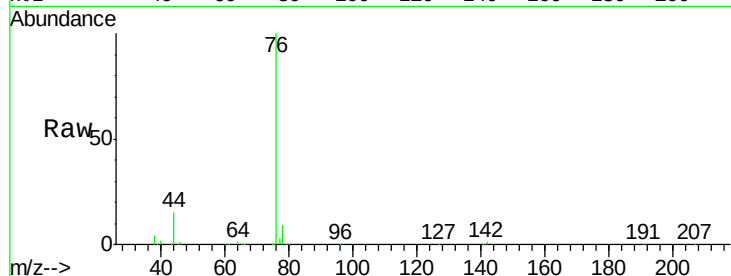
VSTDCCC050EC

Tot Ion: 76 Resp: 531763

Ion Ratio Lower Upper

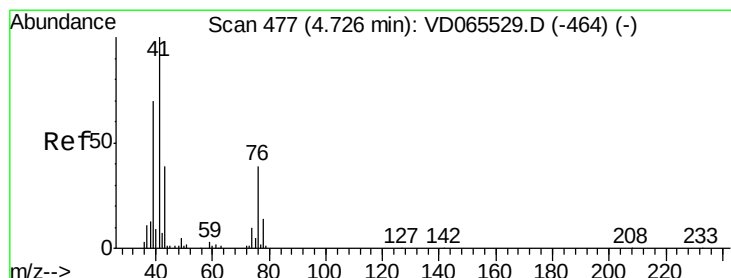
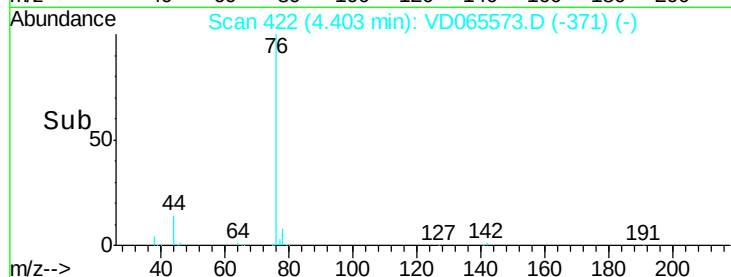
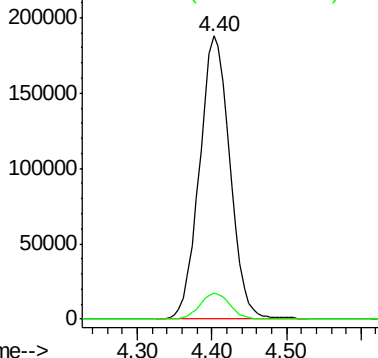
76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 40.335 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065573.D

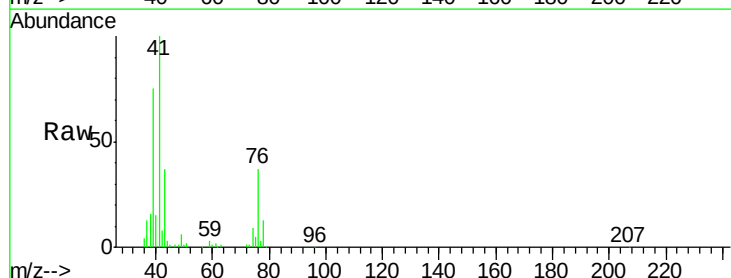
Acq: 31 Mar 2020 18:37

Tgt Ion: 43 Resp: 83661

Ion Ratio Lower Upper

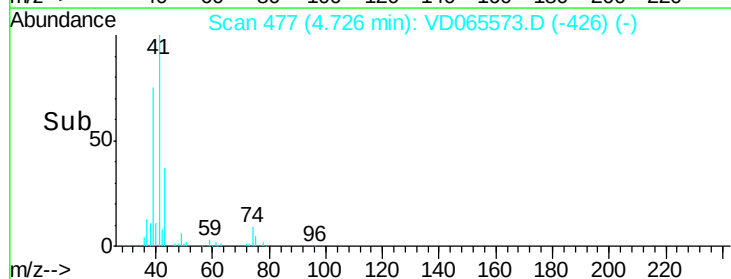
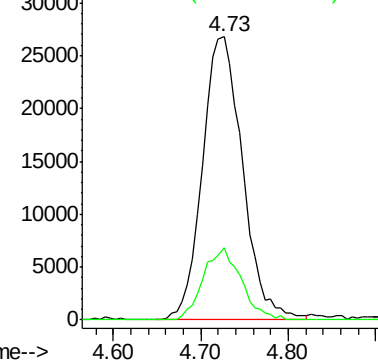
43 100

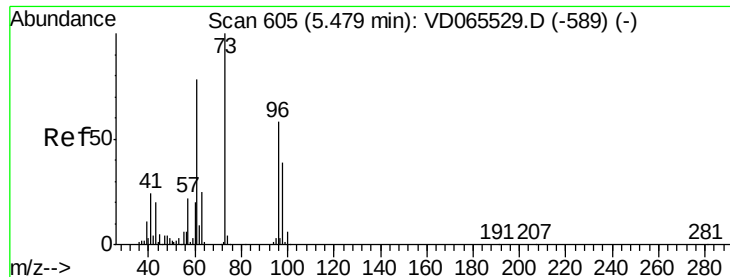
74 23.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

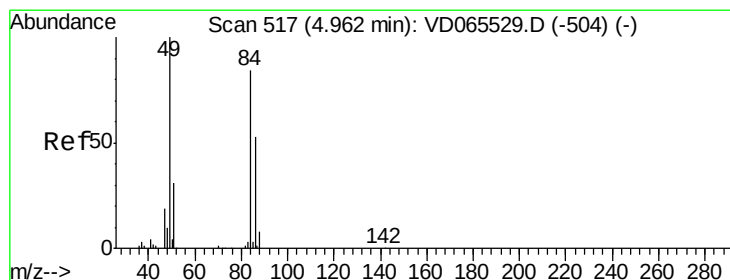
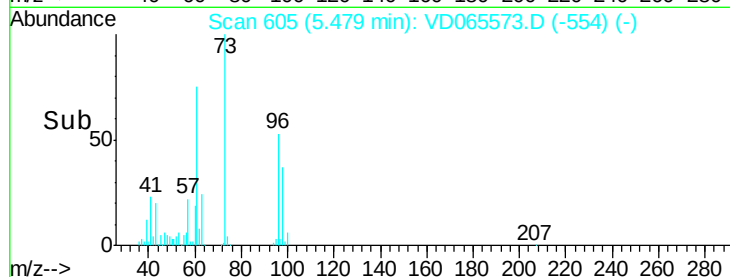
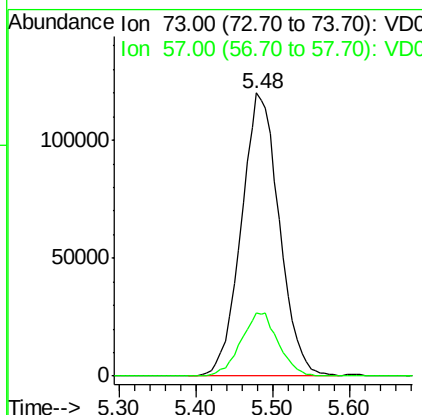
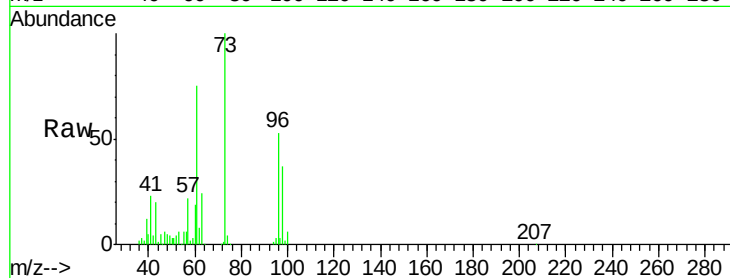




#19
Methyl tert-butyl Ether
Concen: 47.337 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

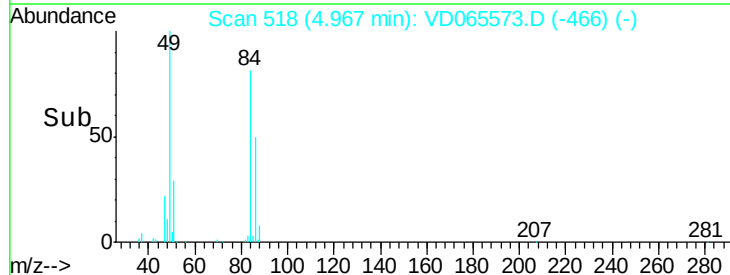
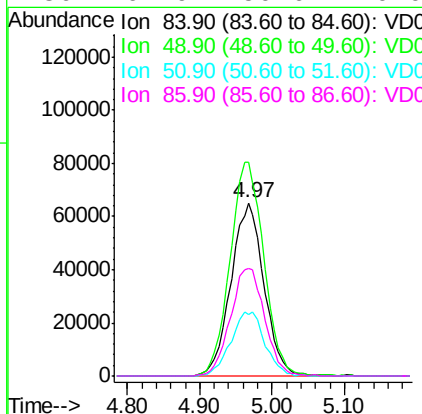
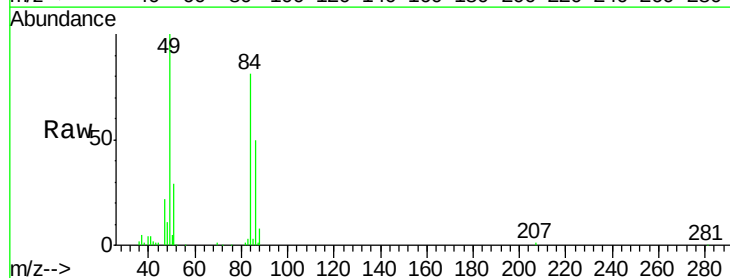
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

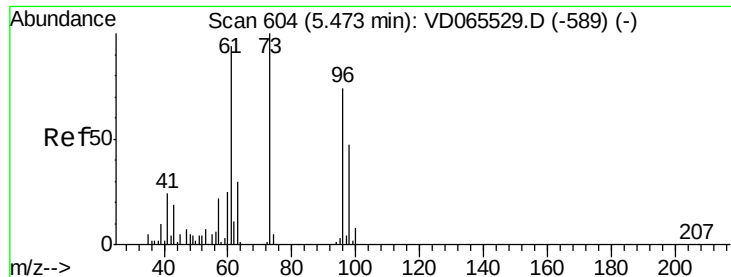
Tot Ion: 73 Resp: 414203
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5



#20
Methylene Chloride
Concen: 40.677 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 84 Resp: 205903
Ion Ratio Lower Upper
84 100
49 123.2 95.6 143.4
51 35.3 29.4 44.2
86 61.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 41.860 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

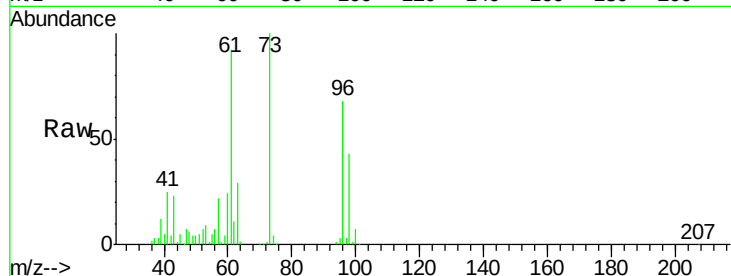
Tot Ion: 96 Resp: 211295

Ion Ratio Lower Upper

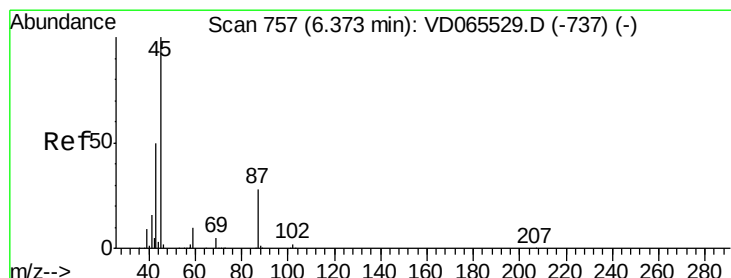
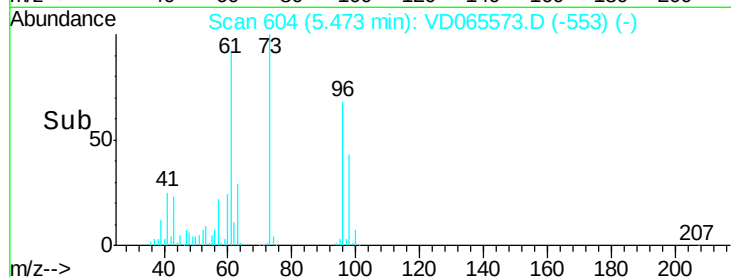
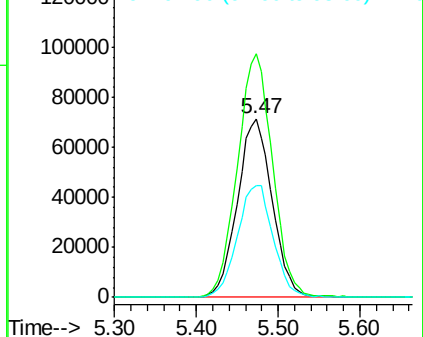
96 100

61 136.2 101.8 152.6

98 62.7 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 55.508 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Tgt Ion: 45 Resp: 718564

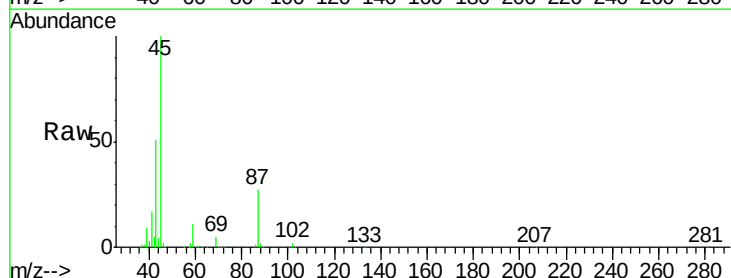
Ion Ratio Lower Upper

45 100

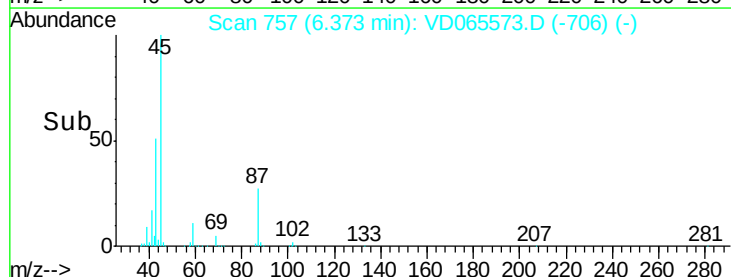
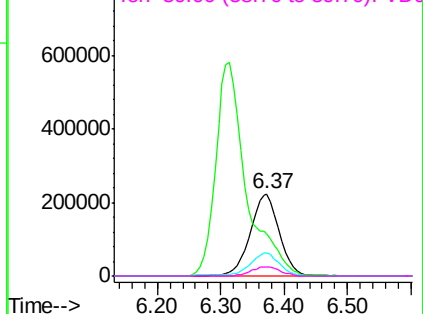
43 49.8 40.5 60.7

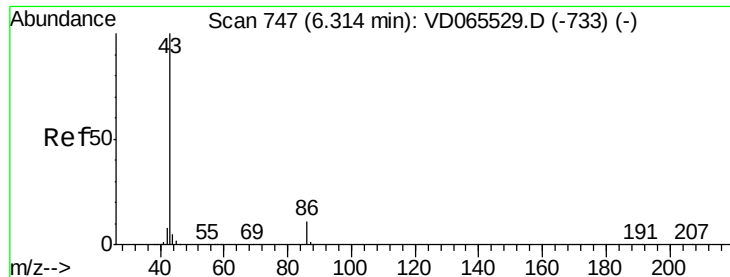
87 27.1 22.5 33.7

59 11.0 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 278.357 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

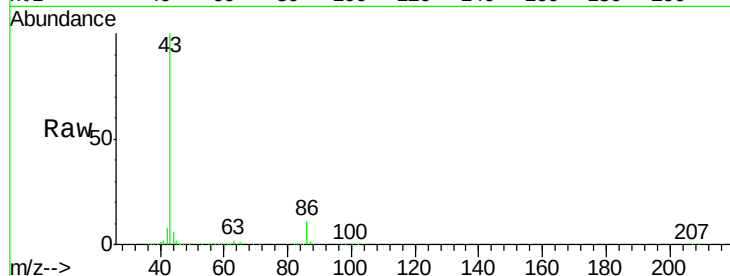
VSTDCCC050EC

Tot Ion: 43 Resp: 1962727

Ion Ratio Lower Upper

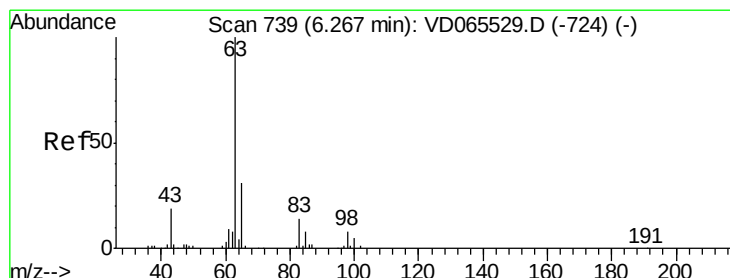
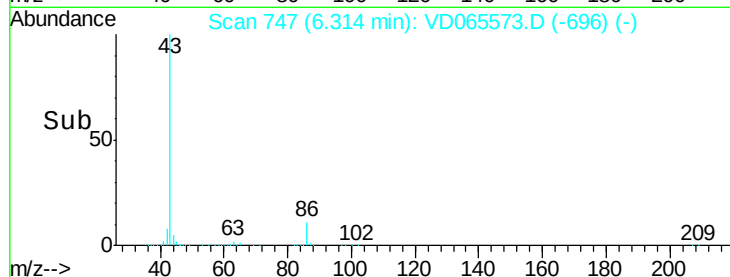
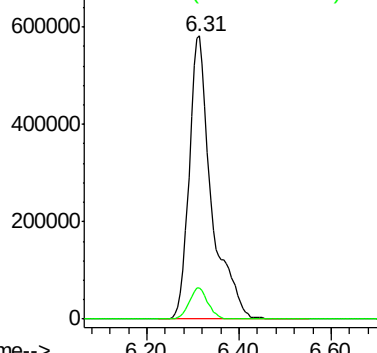
43 100

86 11.1 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.186 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

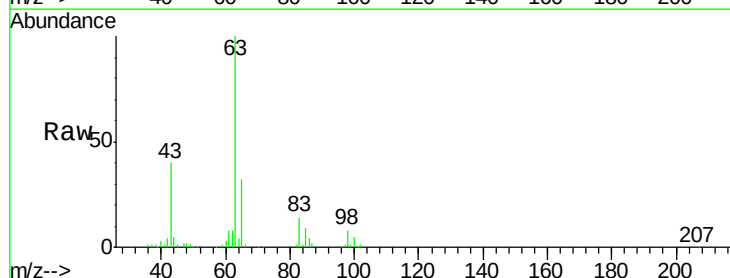
Tgt Ion: 63 Resp: 420181

Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

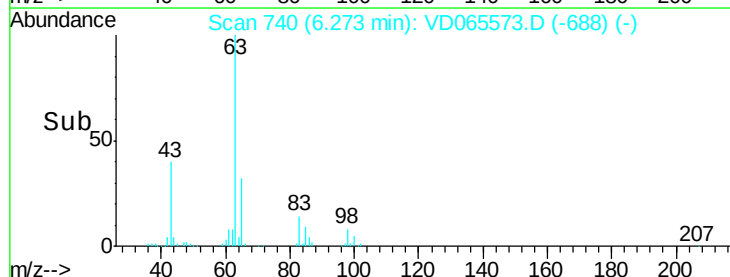
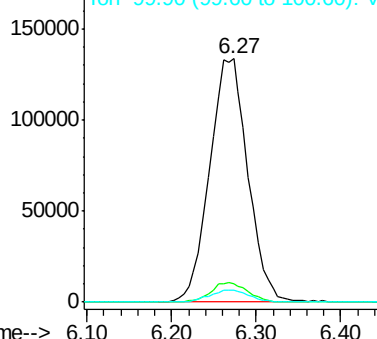
100 5.0 2.5 7.4

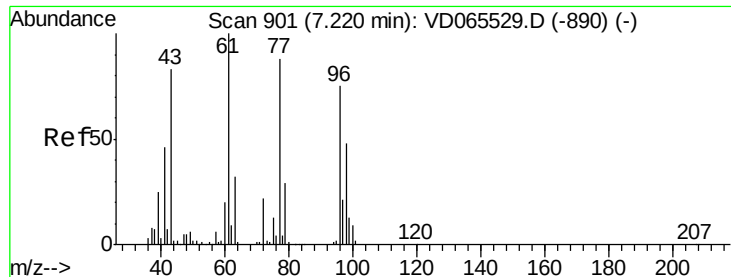


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 256.013 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

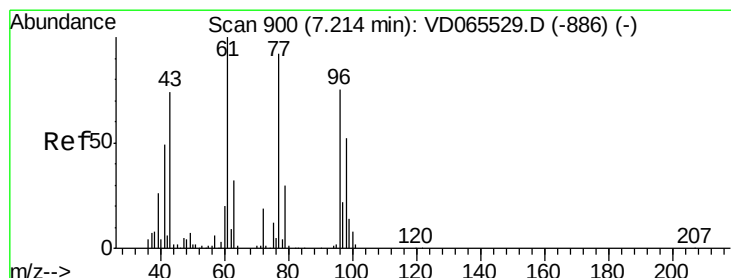
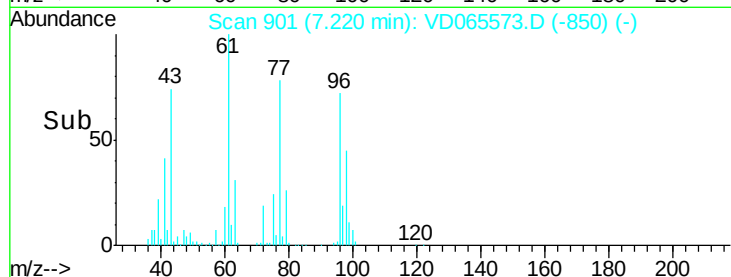
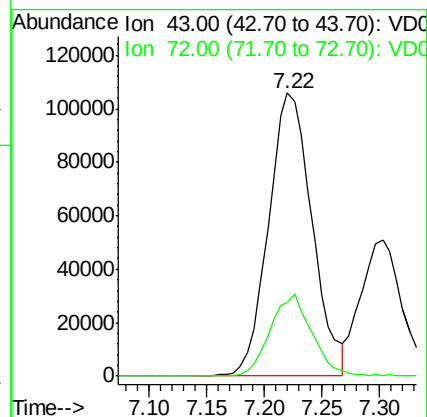
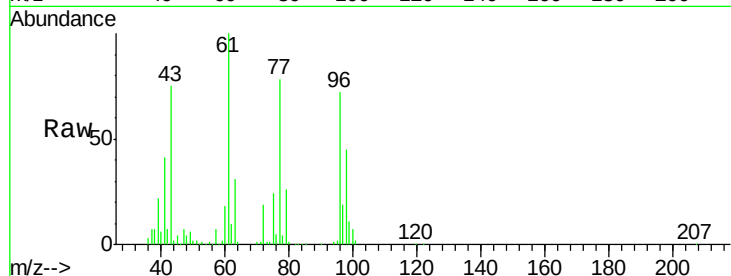
VSTDCCC050EC

Tot Ion: 43 Resp: 277336

Ion Ratio Lower Upper

43 100

72 26.1 21.5 32.3



#26

2,2-Dichloropropane

Concen: 49.138 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065573.D

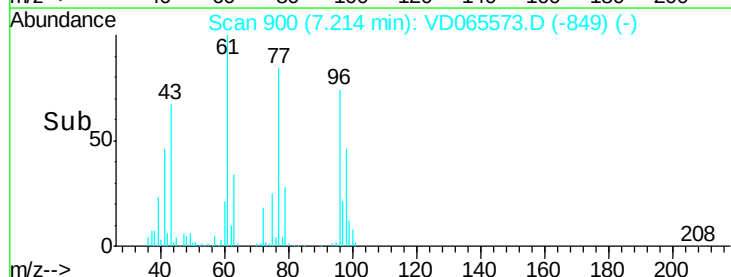
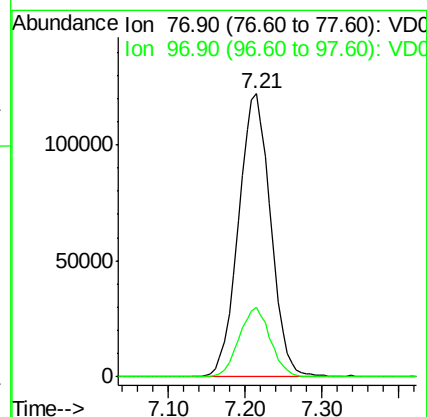
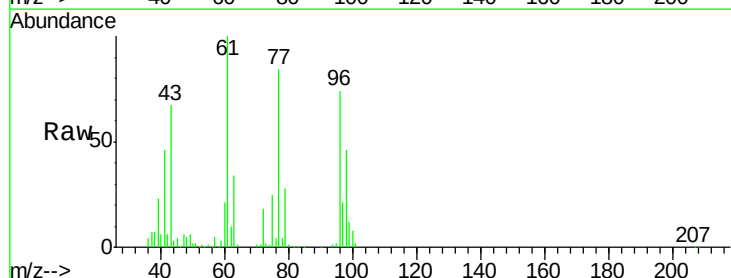
Acq: 31 Mar 2020 18:37

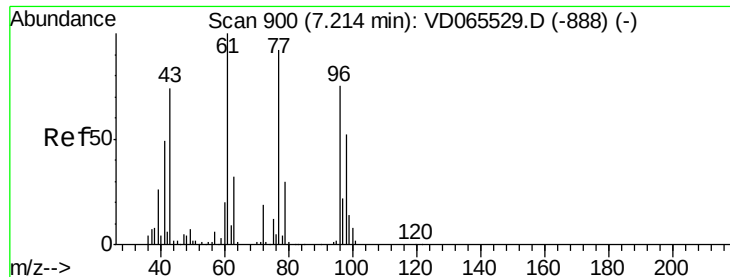
Tgt Ion: 77 Resp: 357189

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1



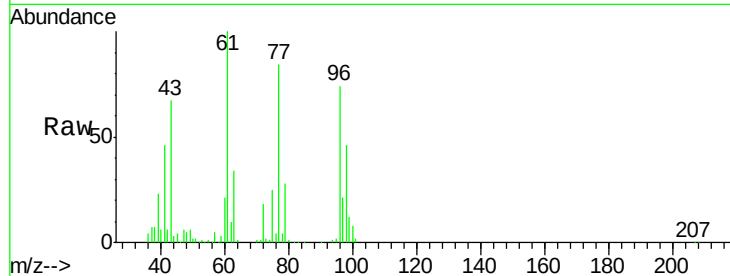


#27

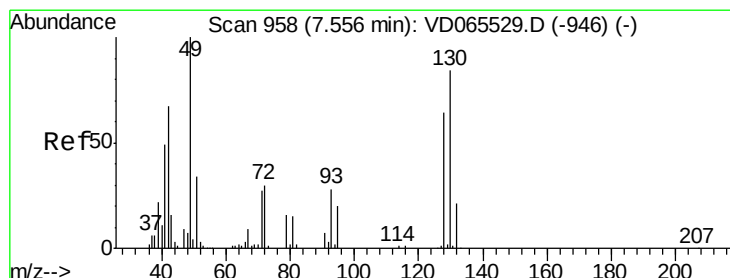
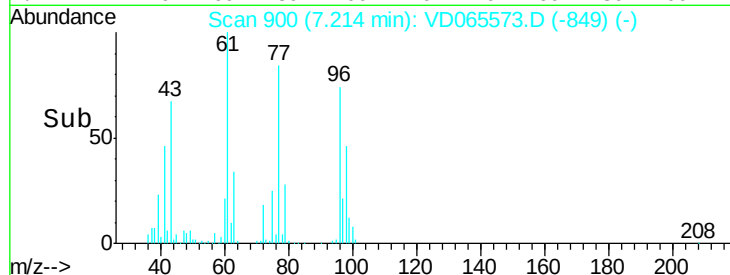
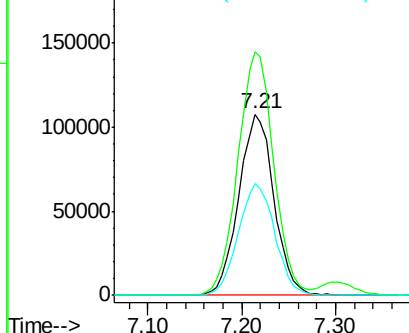
cis-1,2-Dichloroethene
Concen: 53.466 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 279662
Ion Ratio Lower Upper
96 100
61 137.3 0.0 278.0
98 64.2 0.0 129.6



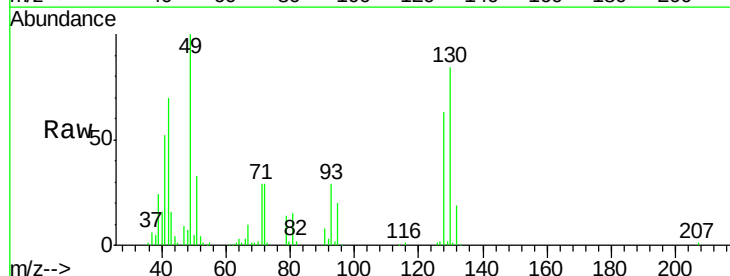
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



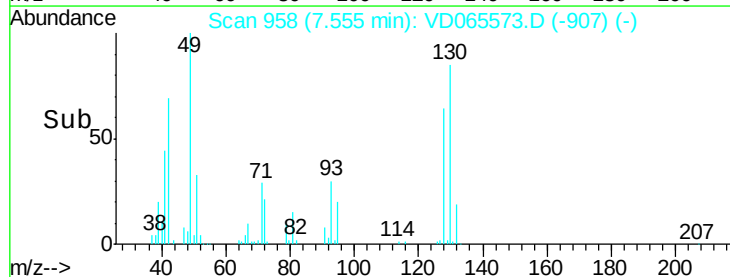
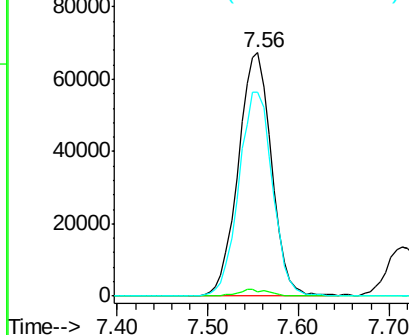
#28

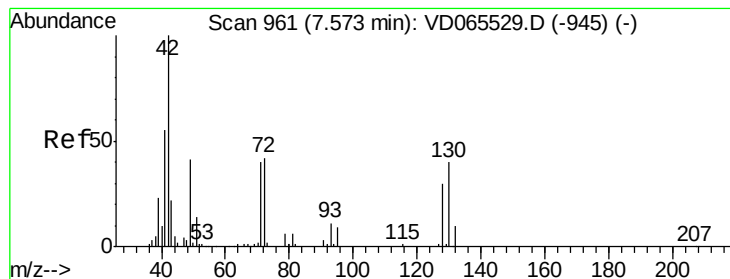
Bromochloromethane
Concen: 50.270 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 49 Resp: 171577
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.4
130 84.9 69.7 104.5



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





#29

Tetrahydrofuran

Concen: 263.340 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

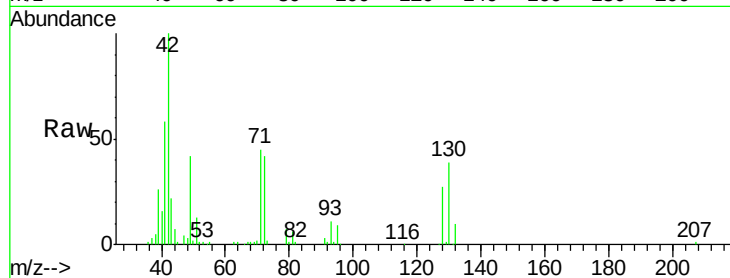
Tot Ion: 42 Resp: 184889

Ion Ratio Lower Upper

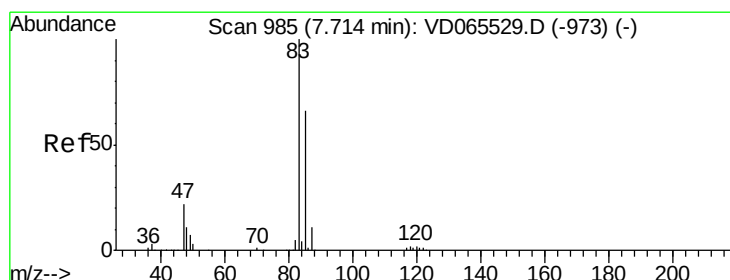
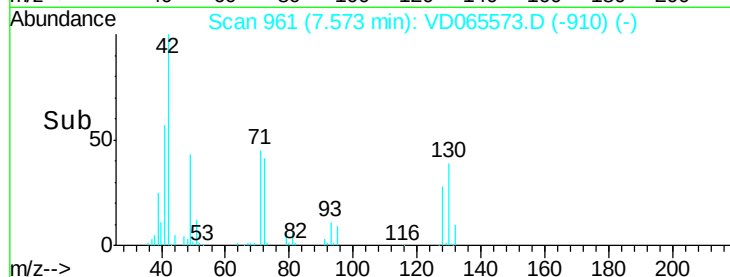
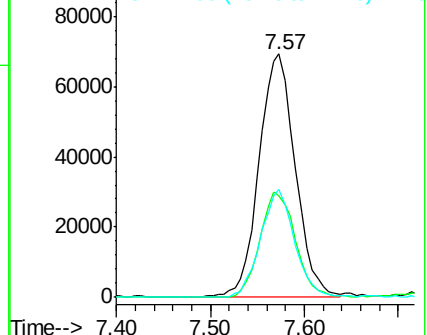
42 100

72 42.6 35.0 52.6

71 41.8 33.0 49.6



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



#30

Chloroform

Concen: 52.335 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065573.D

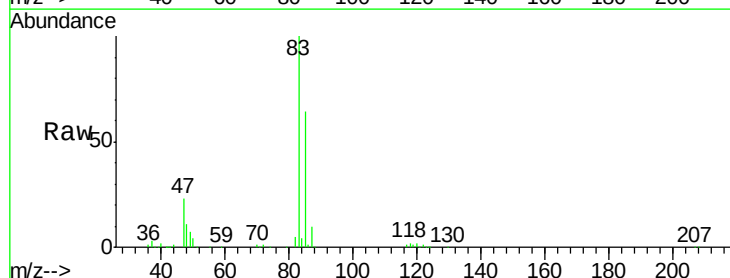
Acq: 31 Mar 2020 18:37

Tgt Ion: 83 Resp: 445020

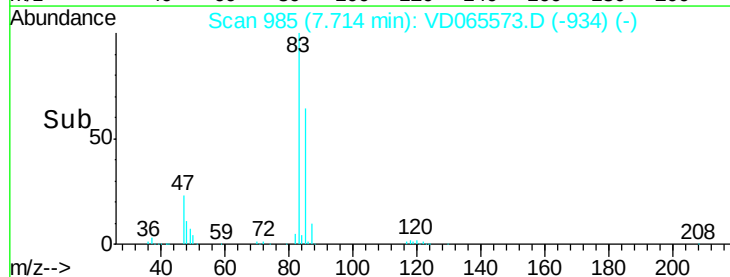
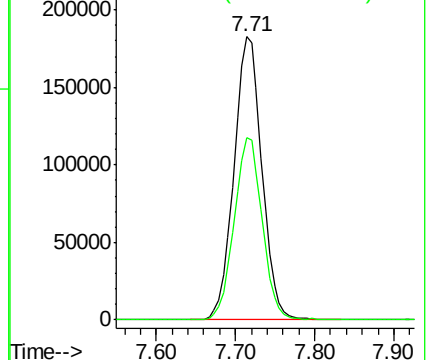
Ion Ratio Lower Upper

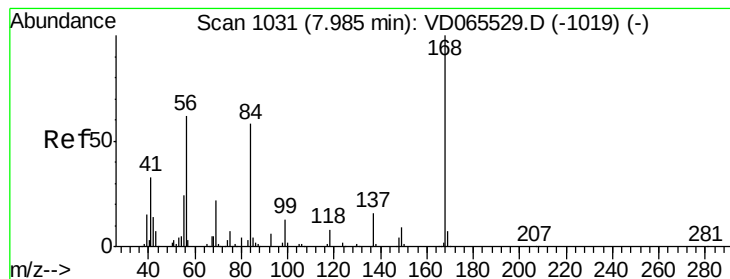
83 100

85 64.4 52.9 79.3



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





#31

Cyclohexane

Concen: 47.348 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

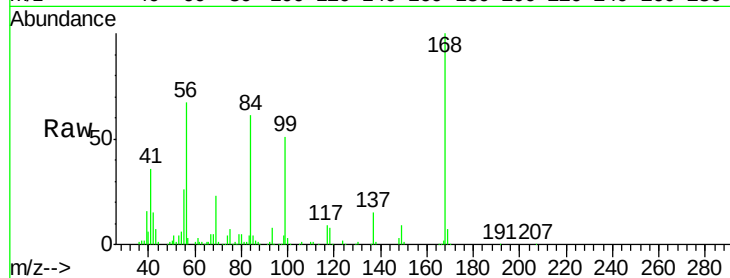
Tot Ion: 56 Resp: 376257

Ion Ratio Lower Upper

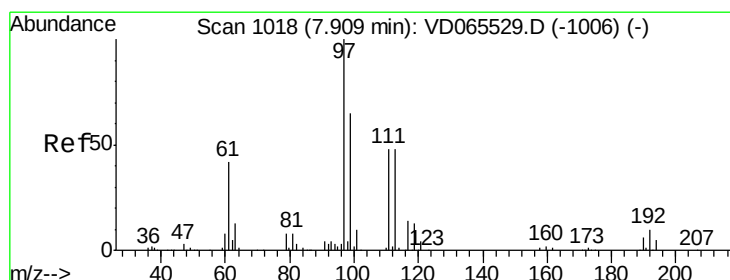
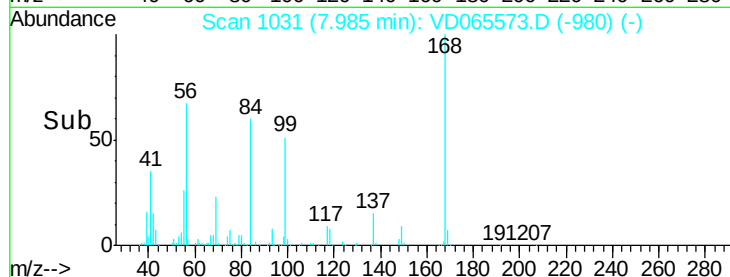
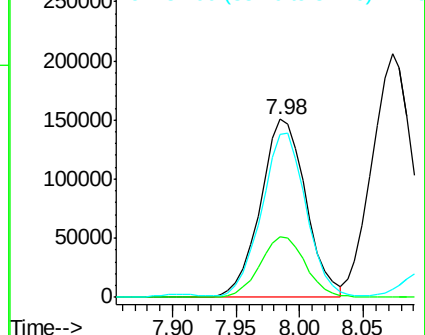
56 100

69 34.0 28.2 42.4

84 90.0 73.4 110.0



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: 50.188 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

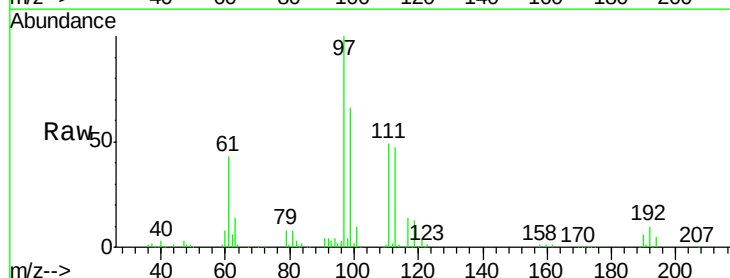
Tgt Ion: 97 Resp: 385547

Ion Ratio Lower Upper

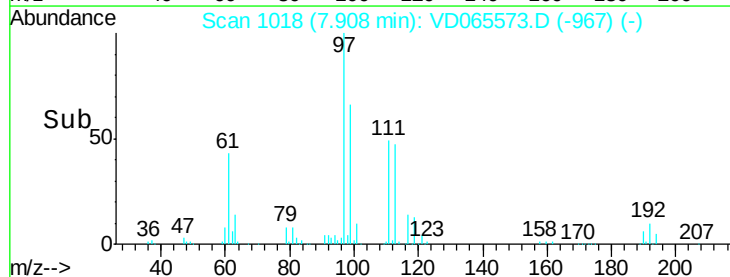
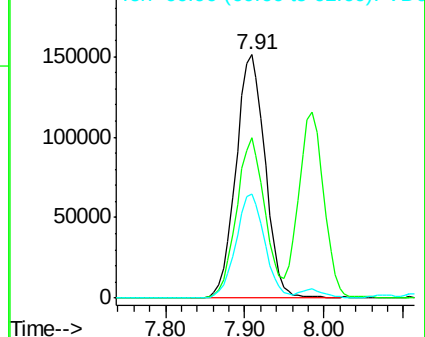
97 100

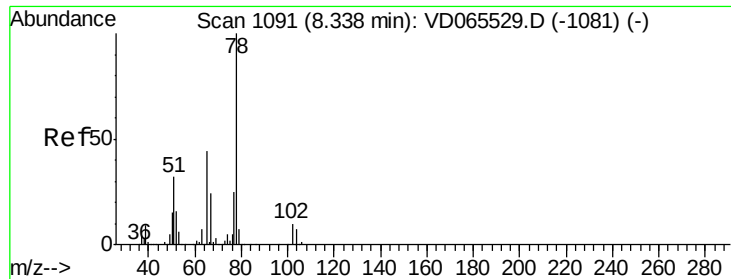
99 64.5 51.2 76.8

61 42.1 33.4 50.2



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

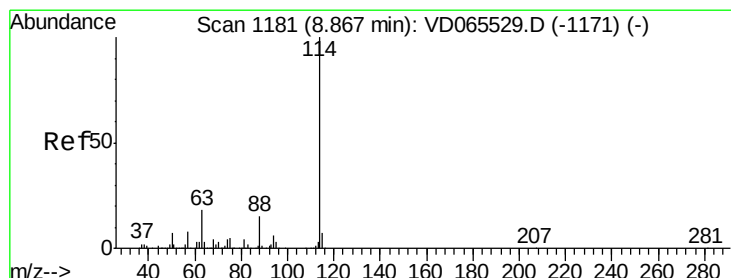
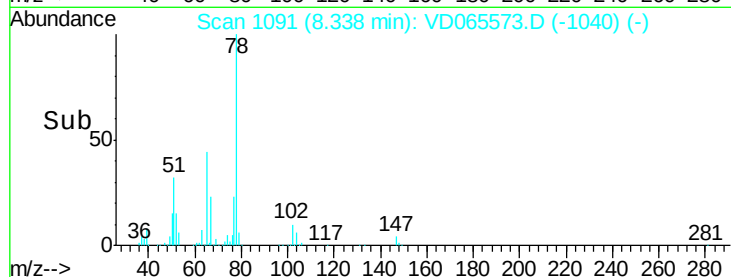
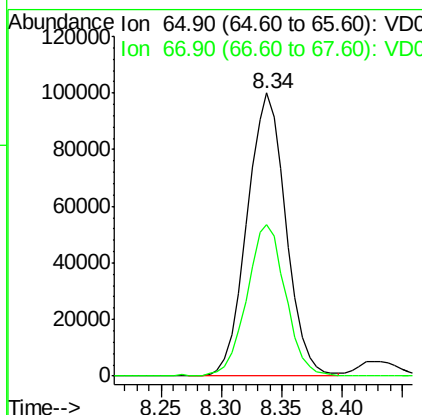
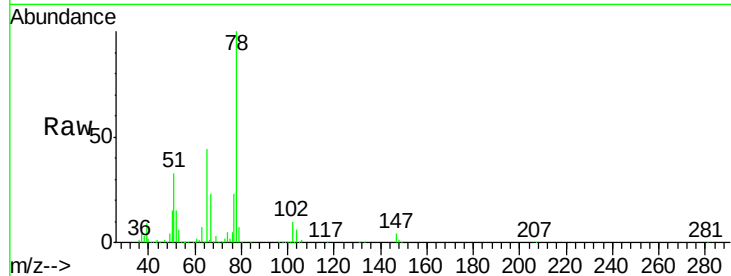




#33
 1,2-Dichloroethane-d4
 Concen: 53.119 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

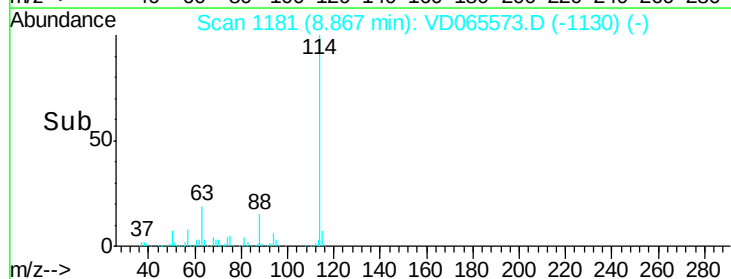
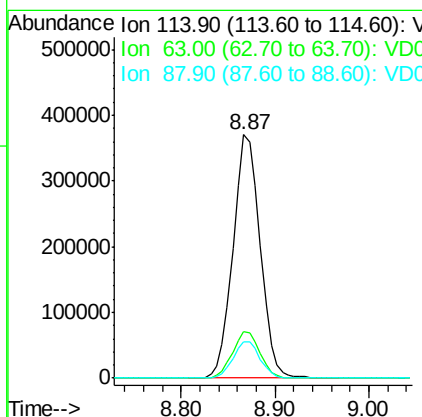
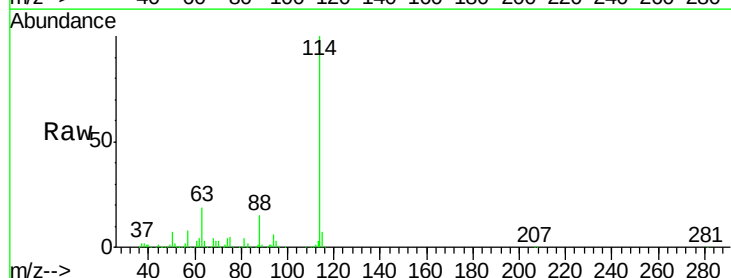
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

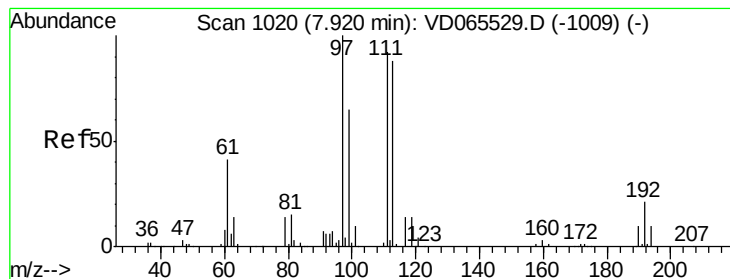
Tot Ion: 65 Resp: 224558
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion: 114 Resp: 743434
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 14.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.447 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

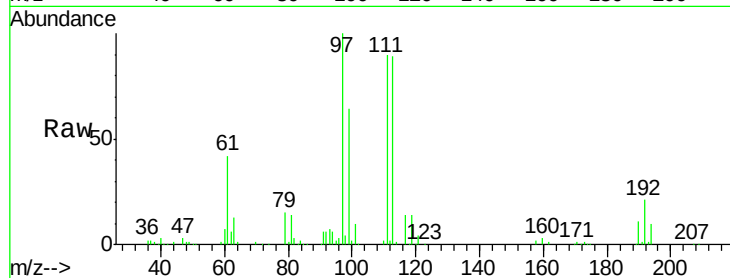
Tot Ion:113 Resp: 240669

Ion Ratio Lower Upper

113 100

111 101.7 83.3 124.9

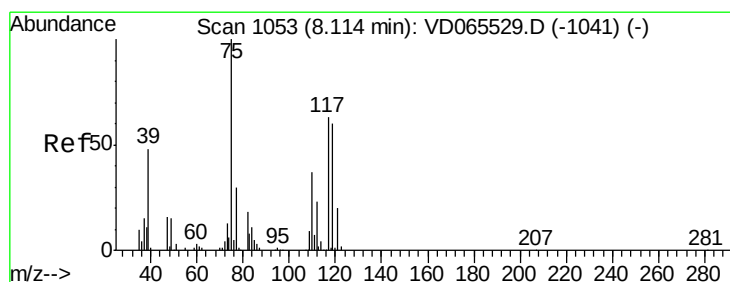
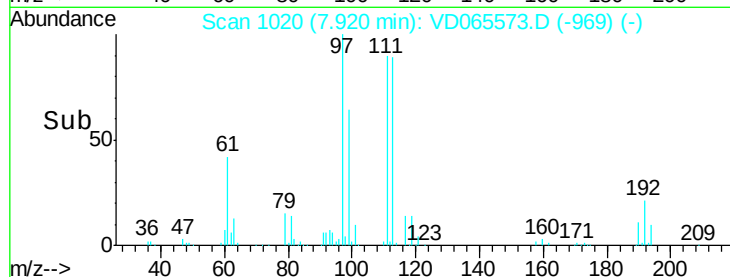
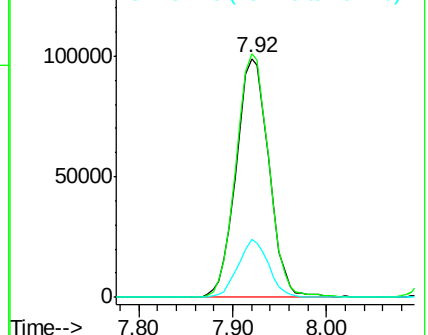
192 22.4 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.287 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

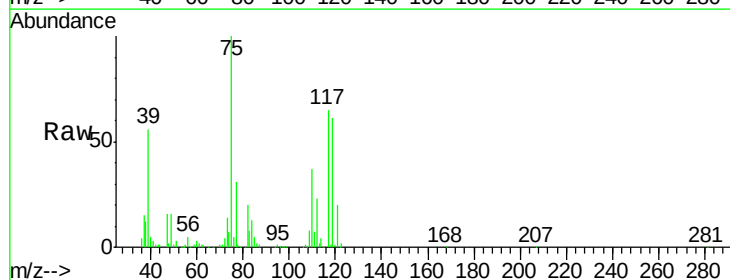
Tgt Ion: 75 Resp: 334779

Ion Ratio Lower Upper

75 100

110 37.4 18.8 56.4

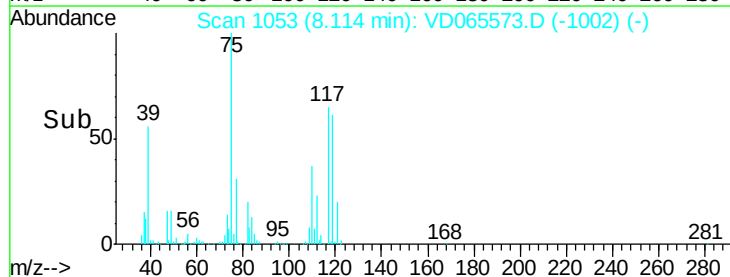
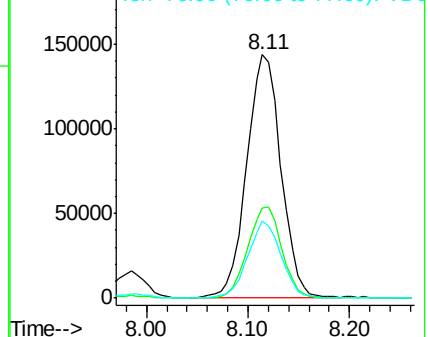
77 31.2 25.1 37.7

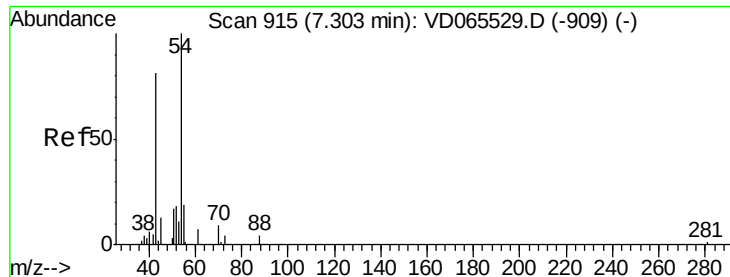


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

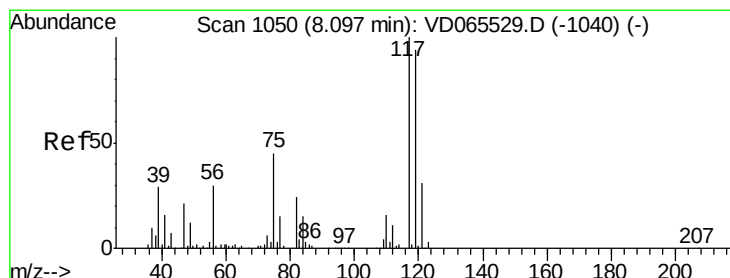
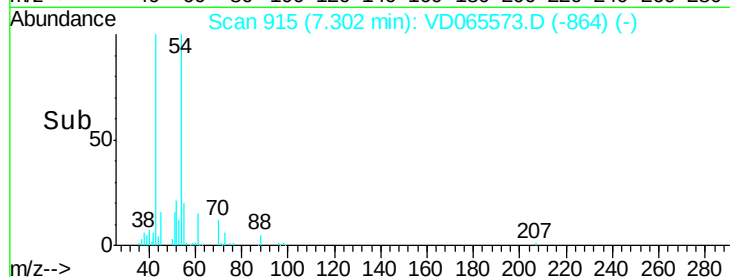
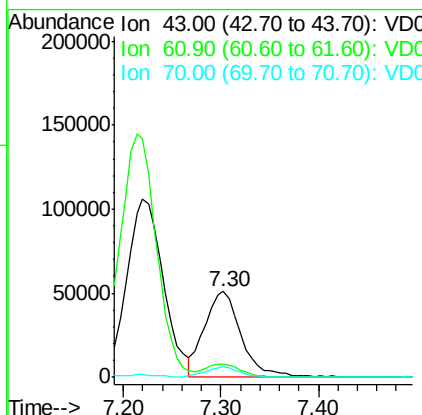
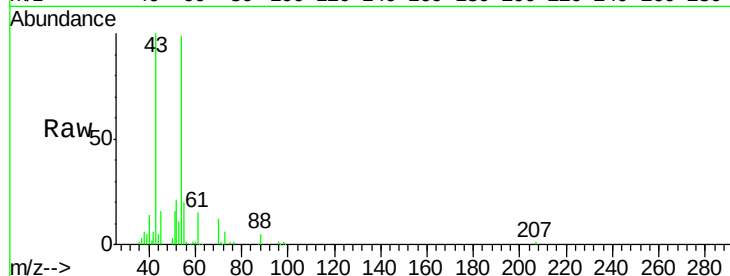




#37
Ethyl Acetate
Concen: 50.453 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

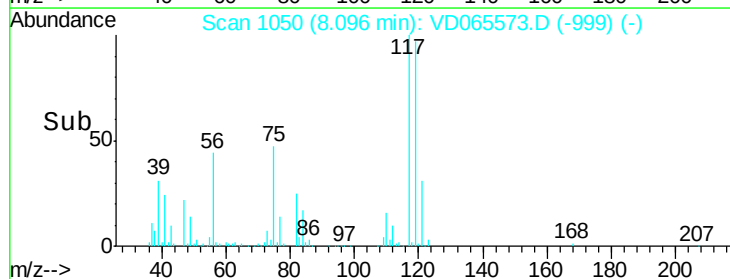
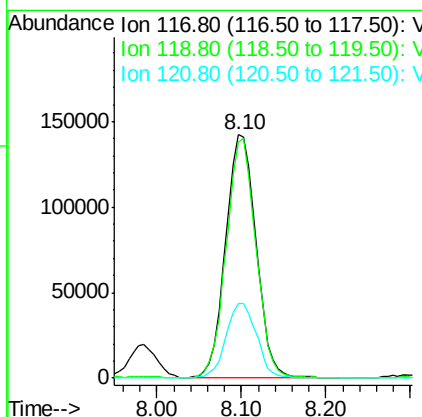
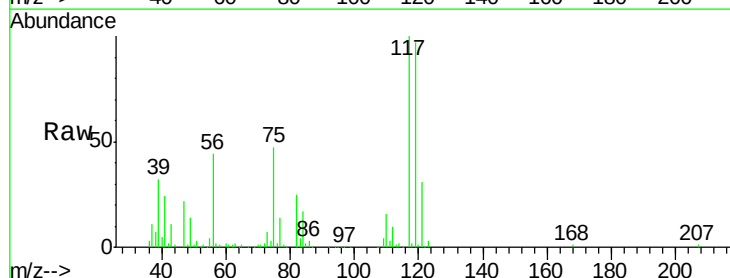
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

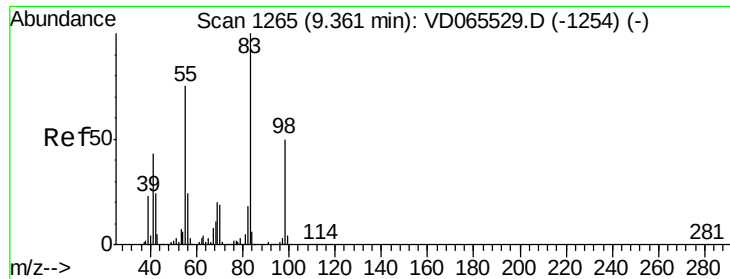
Tot Ion: 43 Resp: 131179
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.4
70 11.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.482 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 117 Resp: 354004
Ion Ratio Lower Upper
117 100
119 96.8 75.2 112.8
121 30.6 24.5 36.7

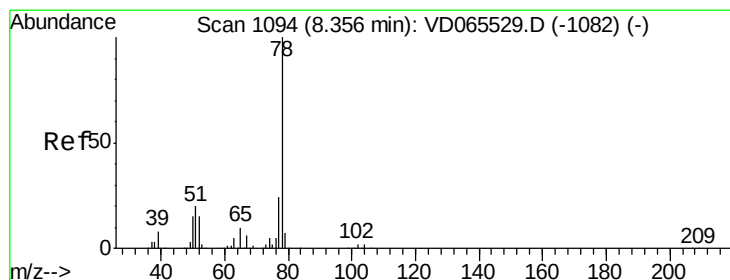
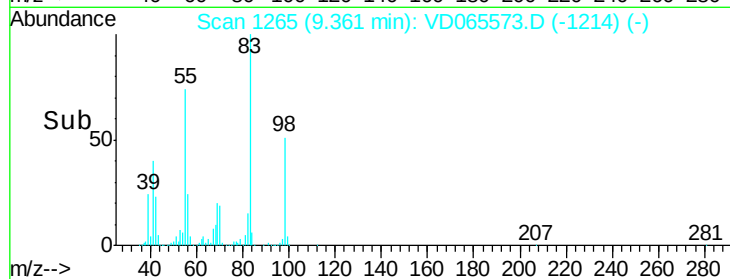
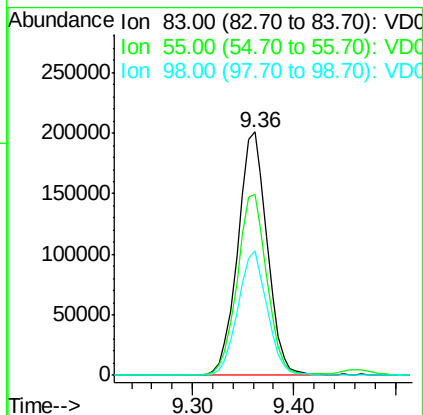
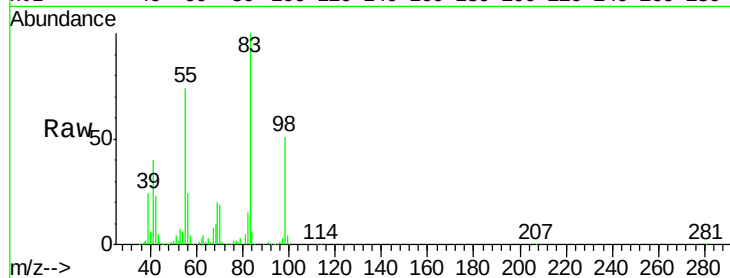




#39
Methylvlcyclohexane
Concen: 50.601 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

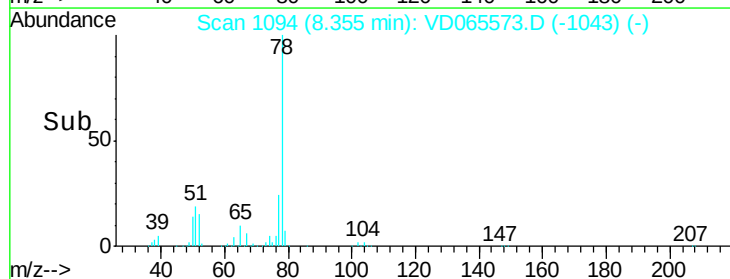
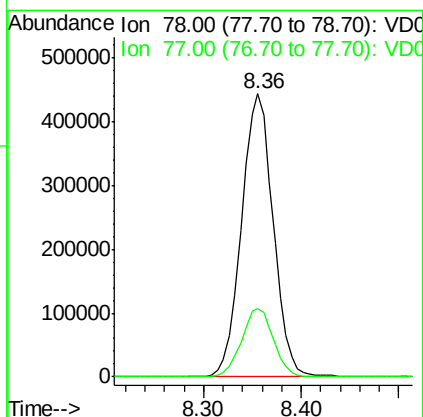
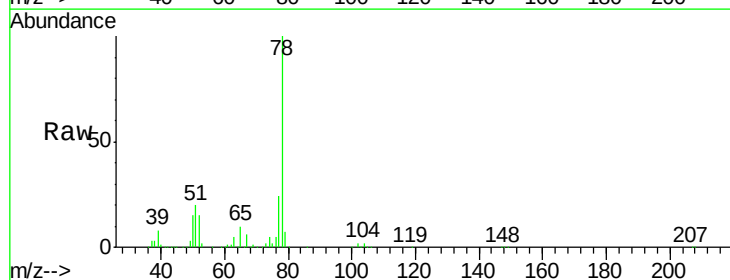
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

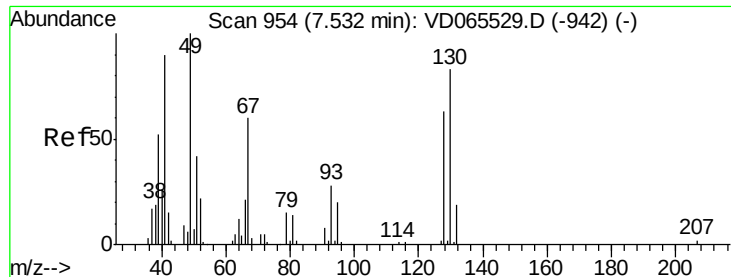
Tot Ion: 83 Resp: 405228
Ion Ratio Lower Upper
83 100
55 74.1 59.7 89.5
98 51.4 40.2 60.2



#40
Benzene
Concen: 51.640 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 78 Resp: 1000915
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7





#41

Methacrylonitrile

Concen: 49.235 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 73894

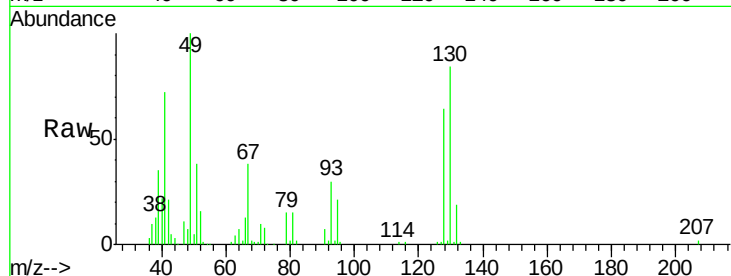
Ion Ratio Lower Upper

41 100

39 60.2 42.9 64.3

67 75.7 60.5 90.7

52 32.0 24.5 36.7

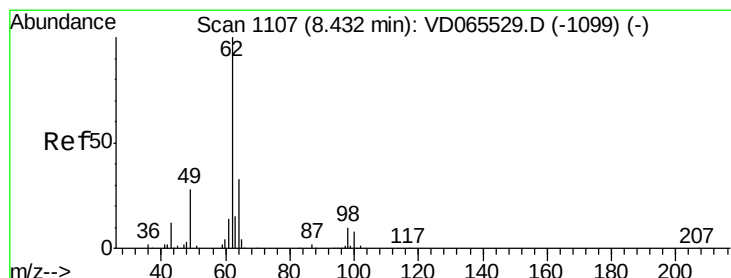
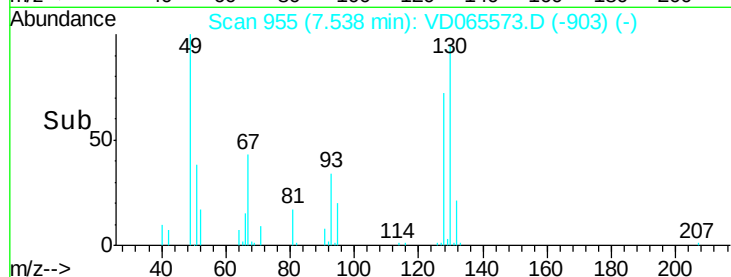
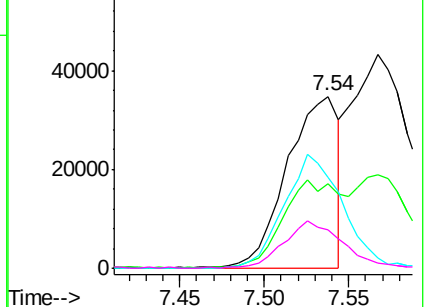


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 52.404 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065573.D

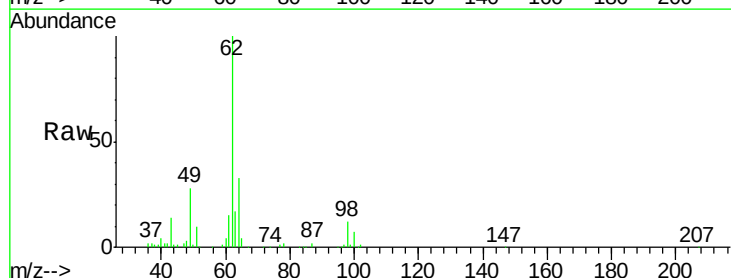
Acq: 31 Mar 2020 18:37

Tgt Ion: 62 Resp: 270277

Ion Ratio Lower Upper

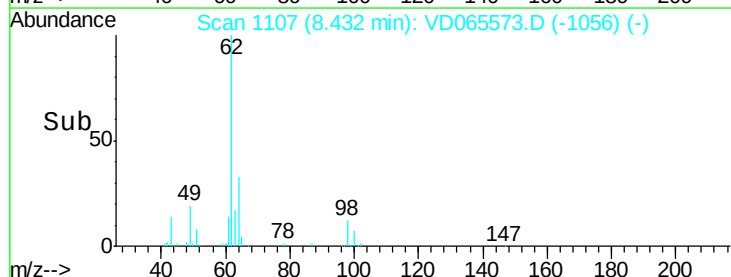
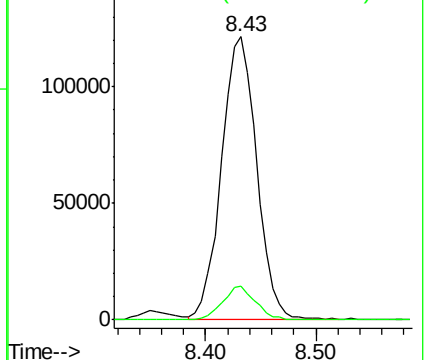
62 100

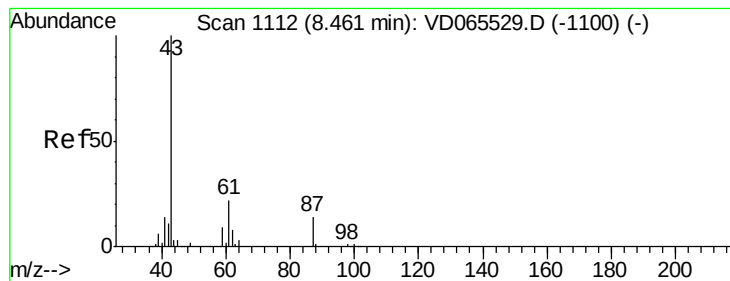
98 11.1 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.299 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

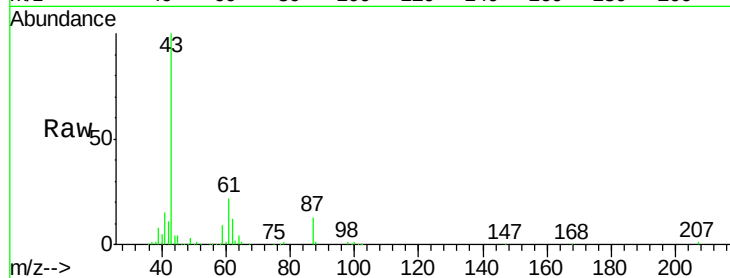
Tot Ion: 43 Resp: 246928

Ion Ratio Lower Upper

43 100

61 32.5 25.0 37.4

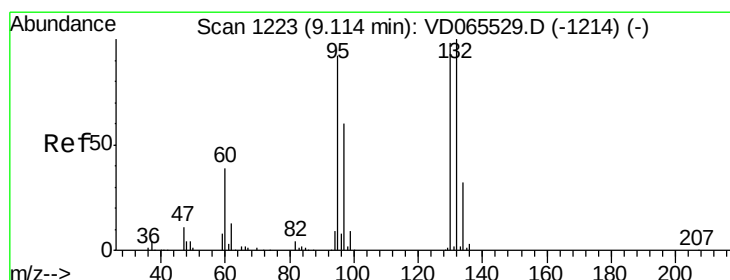
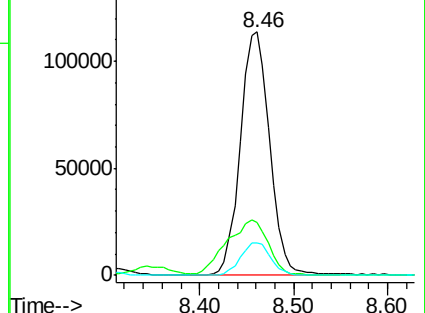
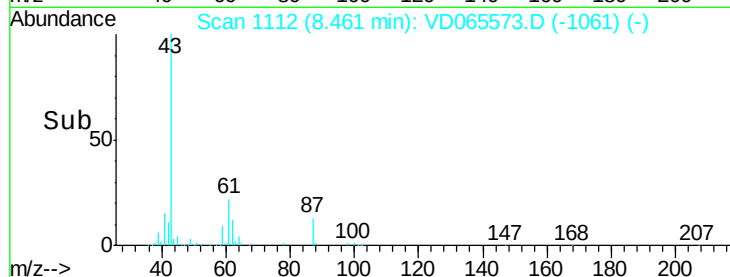
87 13.6 11.0 16.4



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: 49.780 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065573.D

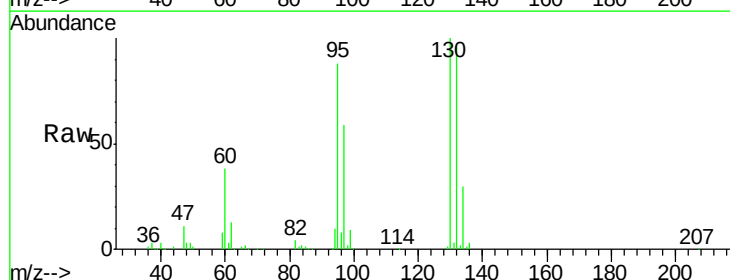
Acq: 31 Mar 2020 18:37

Tgt Ion:130 Resp: 279957

Ion Ratio Lower Upper

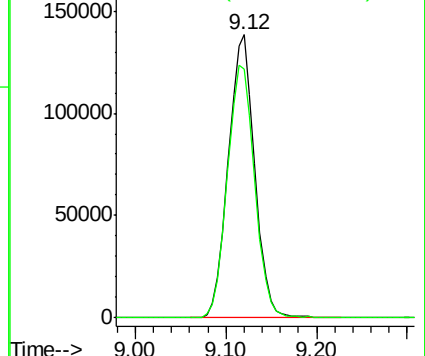
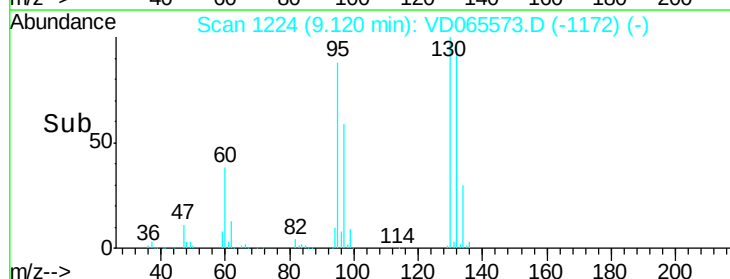
130 100

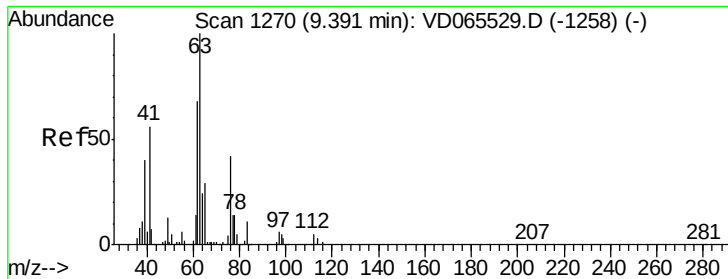
95 88.1 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

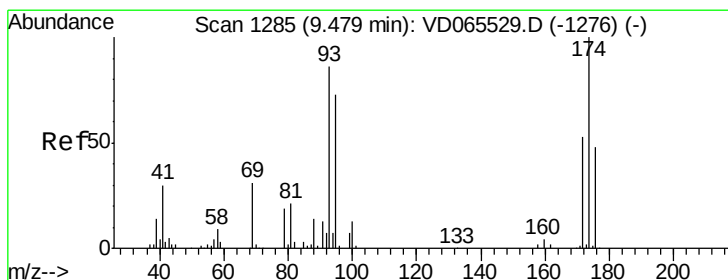
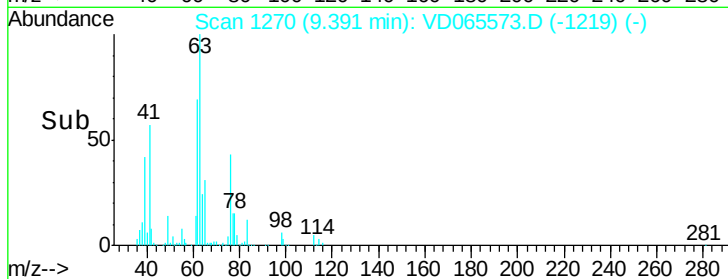
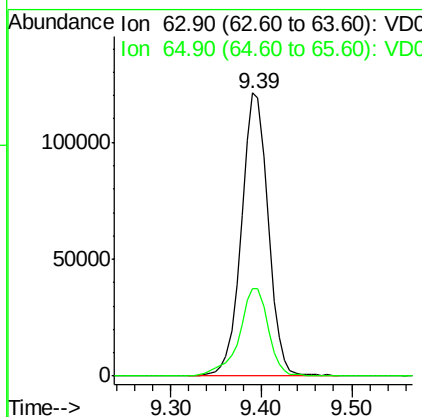
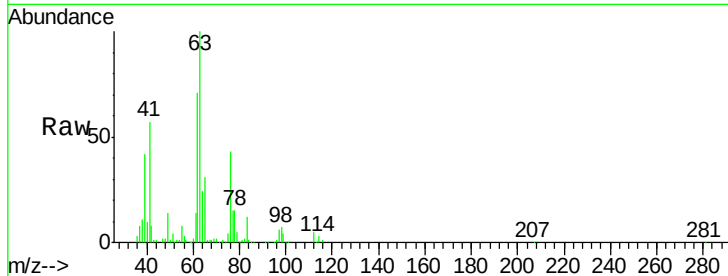




#45
 1,2-Dichloropropane
 Concen: 52.795 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

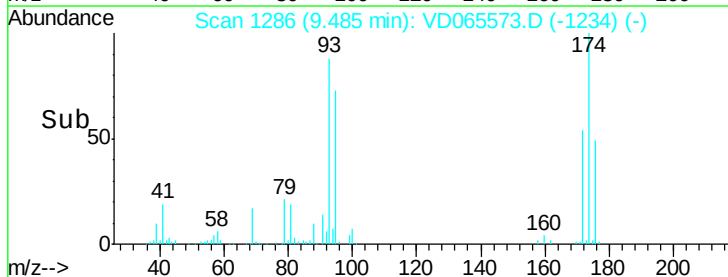
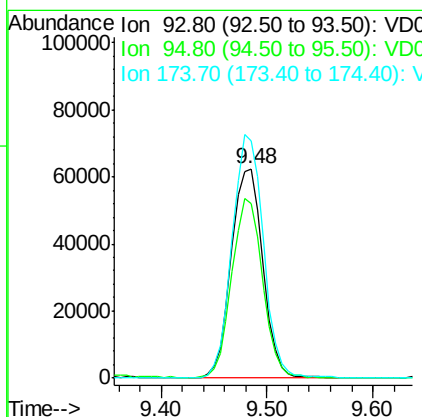
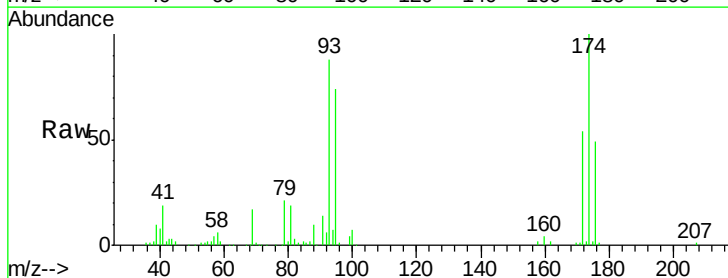
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

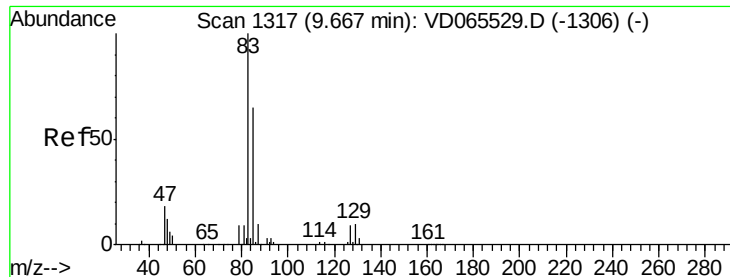
Tot Ion: 63 Resp: 248575
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.5 35.3



#46
 Dibromomethane
 Concen: 52.505 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion: 93 Resp: 129717
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.3 100.9
 174 114.7 92.5 138.7

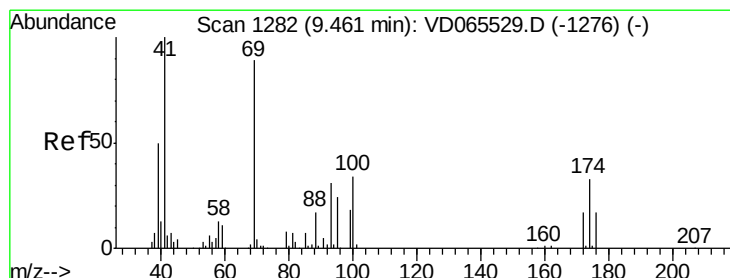
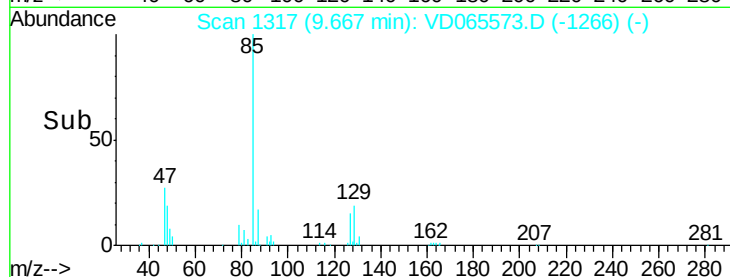
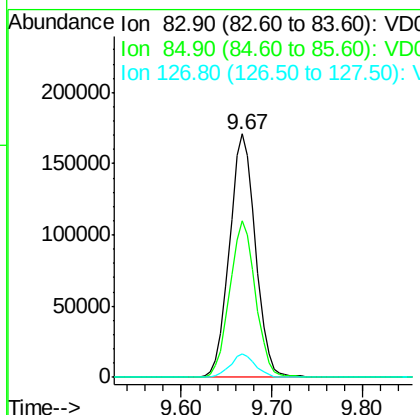
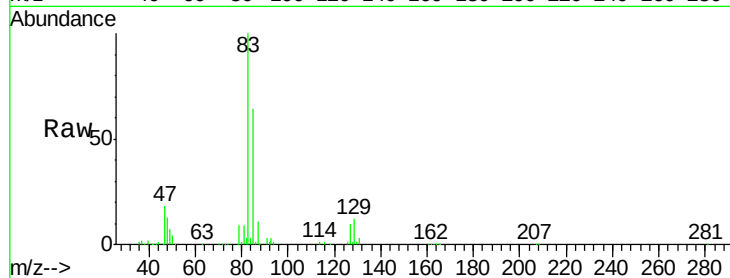




#47
Bromodichloromethane
Concen: 52.155 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

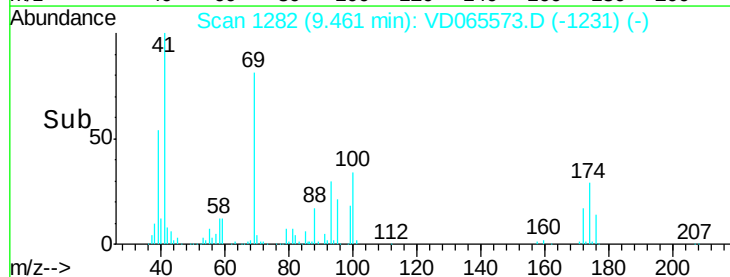
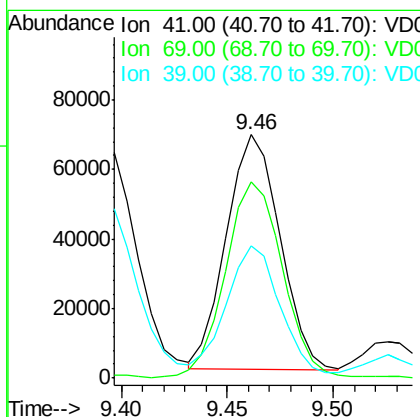
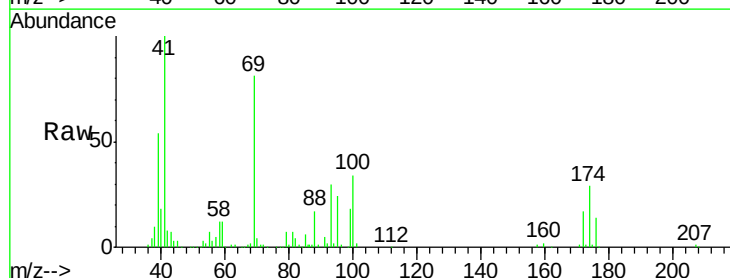
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

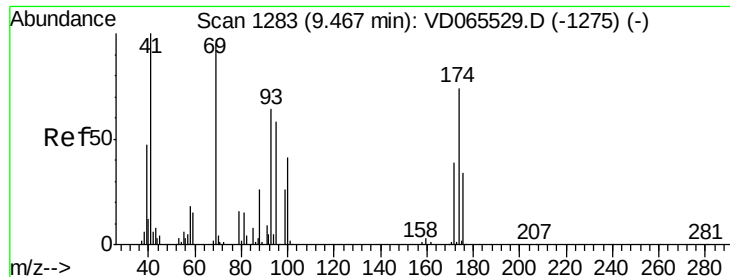
Tot Ion: 83 Resp: 341350
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.2
127 9.8 7.1 10.7



#48
Methyl methacrylate
Concen: 52.913 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 41 Resp: 118790
Ion Ratio Lower Upper
41 100
69 89.1 71.8 107.6
39 58.0 42.2 63.4





#49

1,4-Dioxane

Concen: 1093.912 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

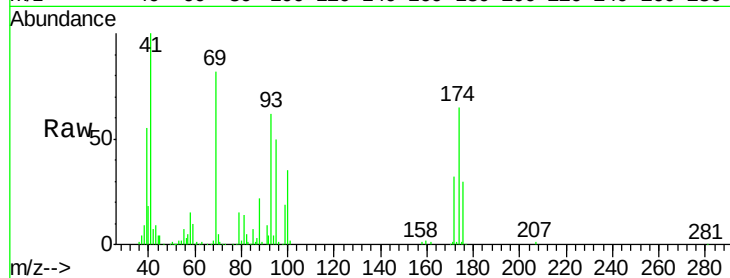
Tot Ion: 88 Resp: 29388

Ion Ratio Lower Upper

88 100

43 31.4 26.0 39.0

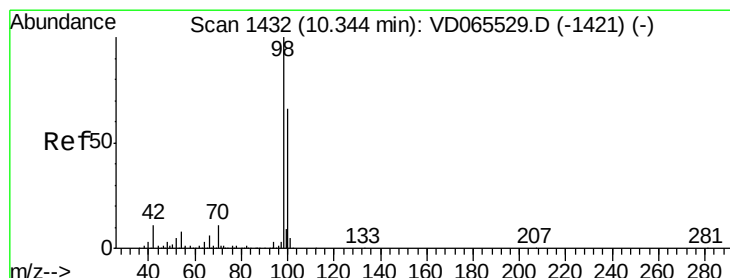
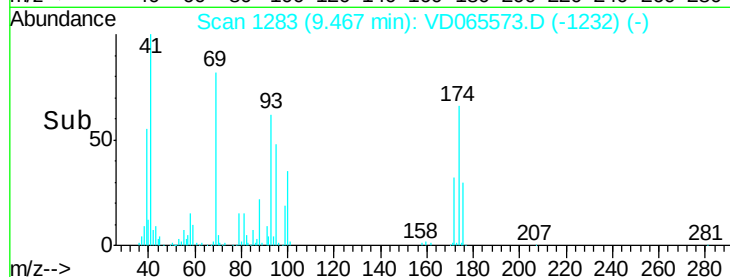
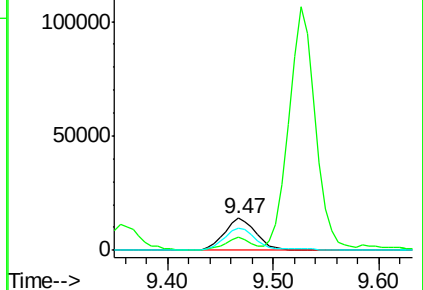
58 67.4 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.733 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065573.D

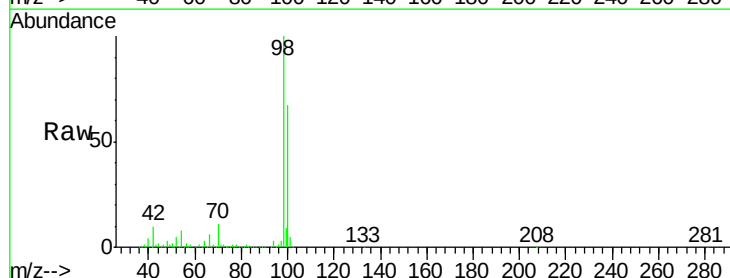
Acq: 31 Mar 2020 18:37

Tgt Ion: 98 Resp: 908475

Ion Ratio Lower Upper

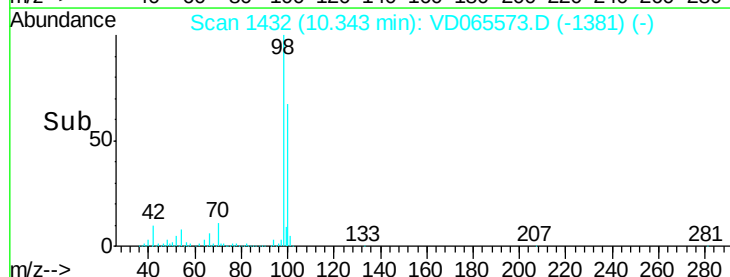
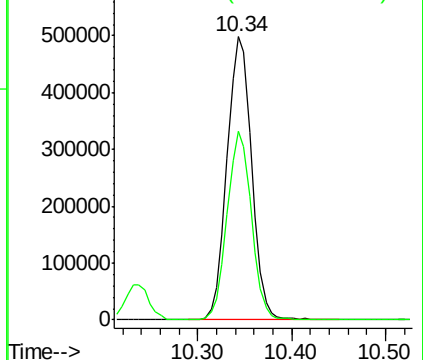
98 100

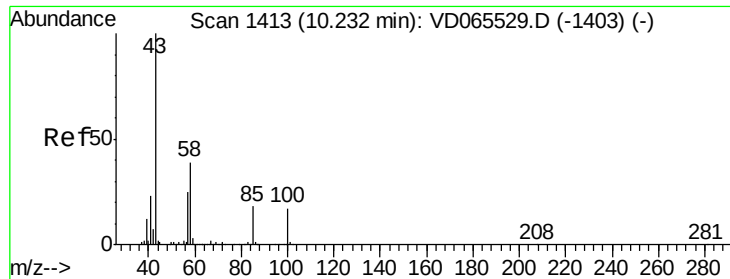
100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

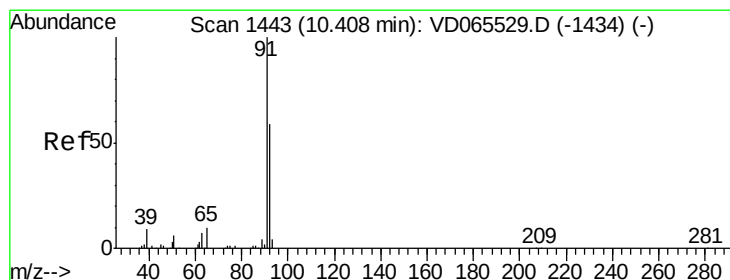
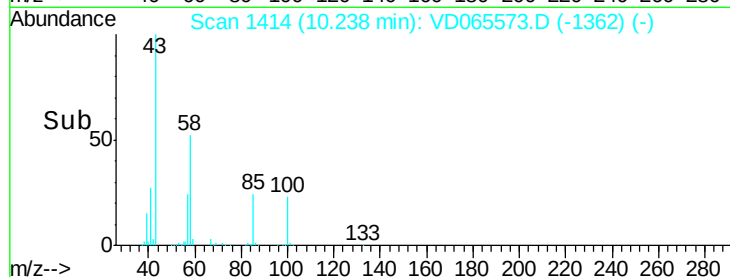
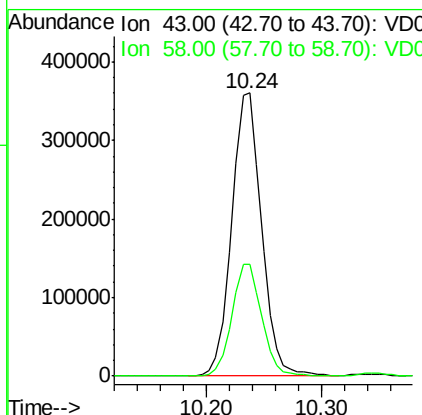
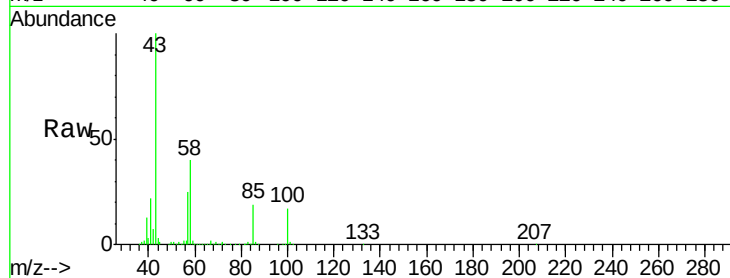




#51
 4-Methyl-2-Pentanone
 Concen: 270.683 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

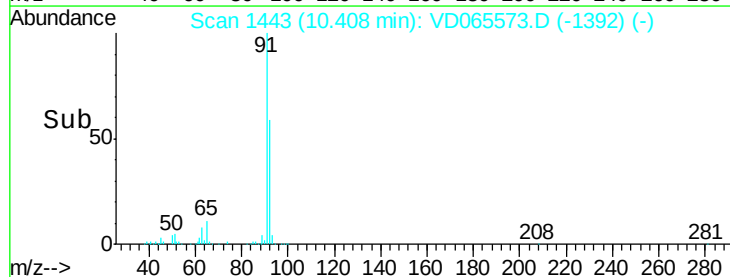
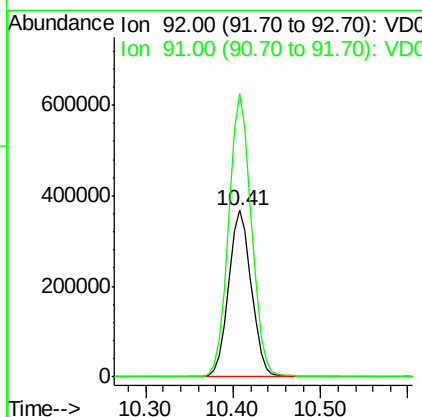
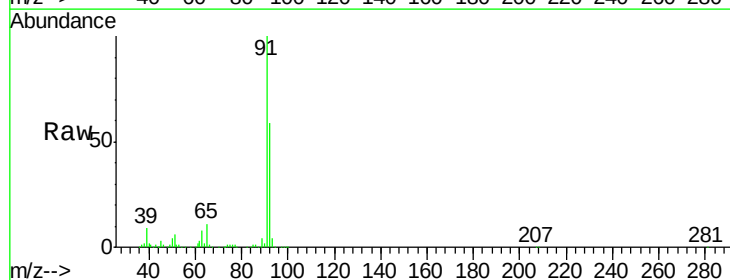
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

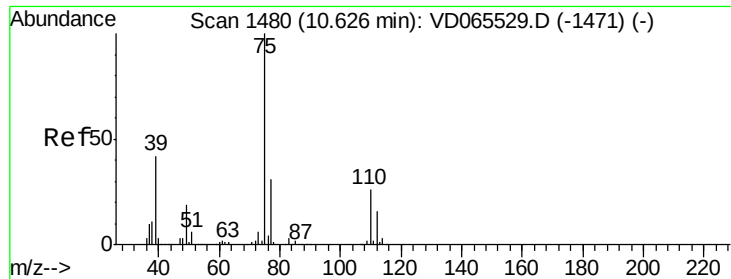
Tot Ion: 43 Resp: 644956
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.4 47.2



#52
 Toluene
 Concen: 53.311 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion: 92 Resp: 654381
 Ion Ratio Lower Upper
 92 100
 91 169.7 137.3 205.9

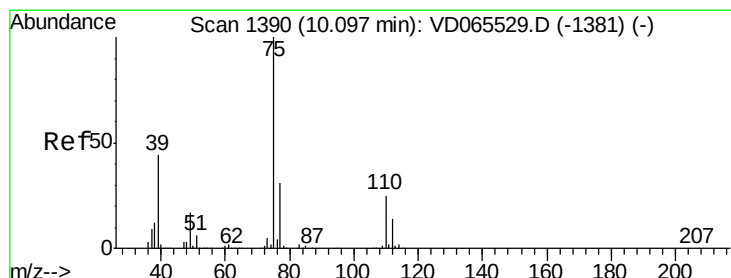
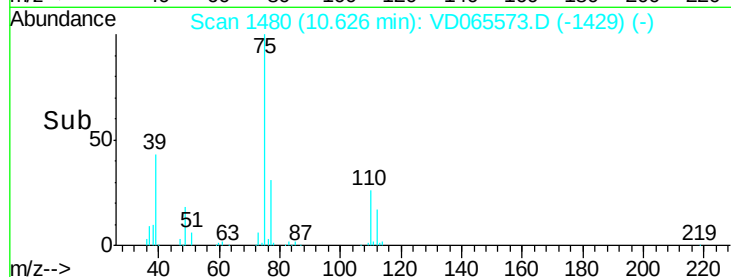
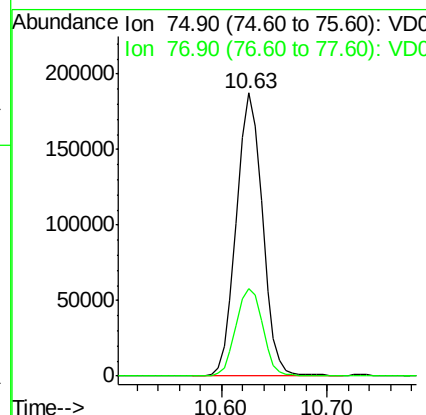
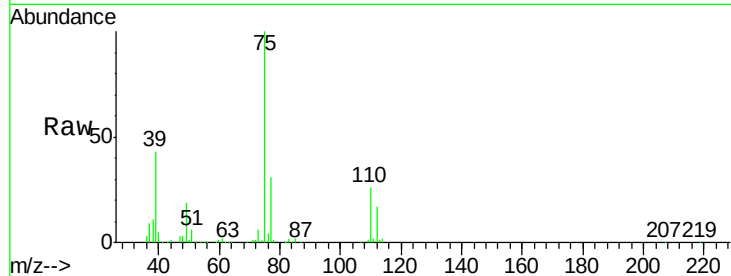




#53
t-1,3-Dichloropropene
Concen: 53.648 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

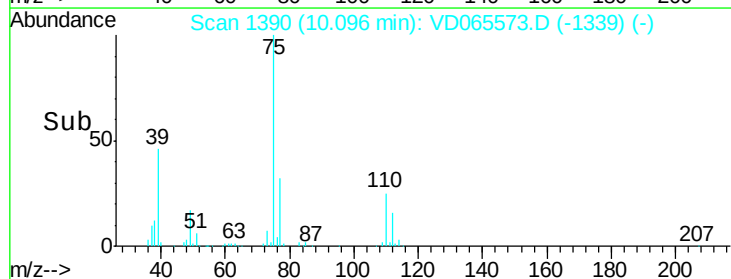
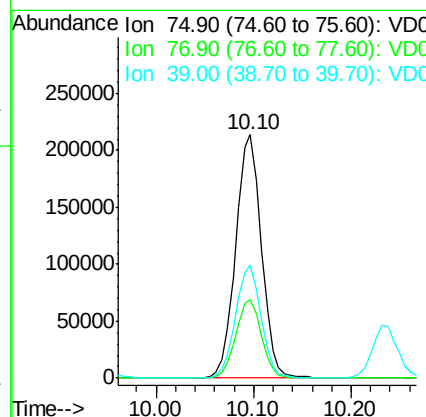
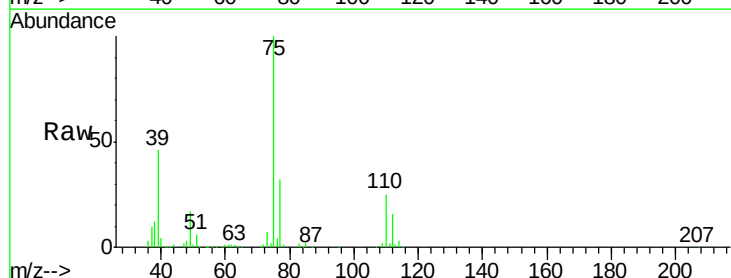
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

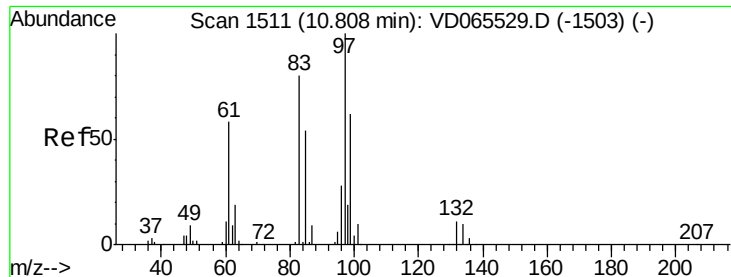
Tot Ion: 75 Resp: 321141
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 53.414 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 75 Resp: 391197
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8
39 46.1 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 52.545 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 185190

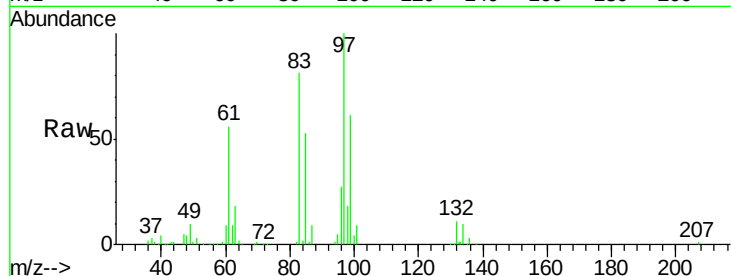
Ion Ratio Lower Upper

97 100

83 81.1 63.8 95.6

85 53.0 42.9 64.3

99 61.0 49.9 74.9

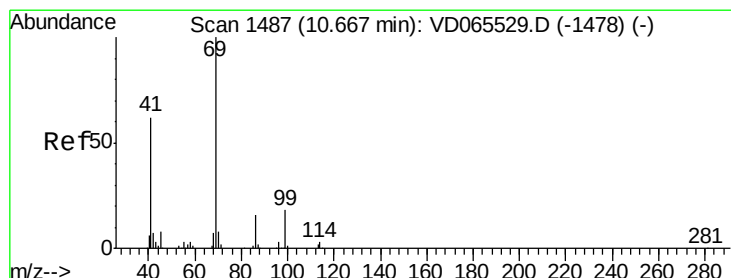
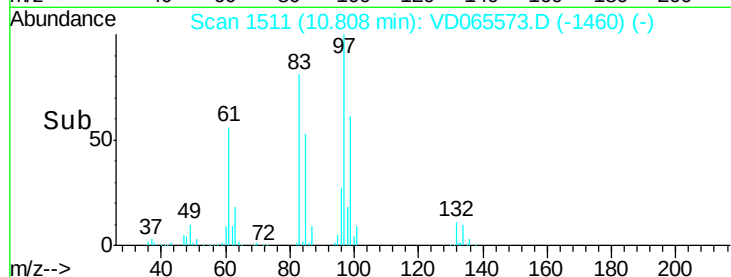
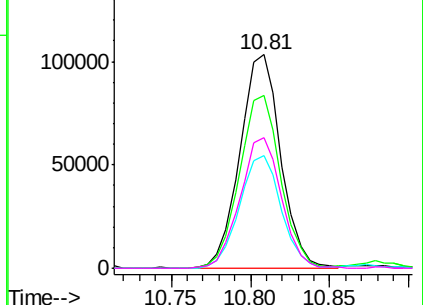


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 49.536 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

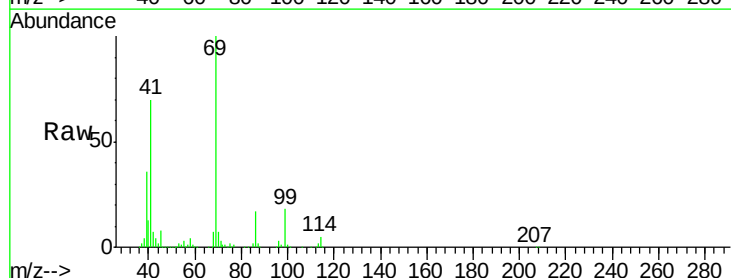
Tgt Ion: 69 Resp: 213065

Ion Ratio Lower Upper

69 100

41 68.6 51.3 76.9

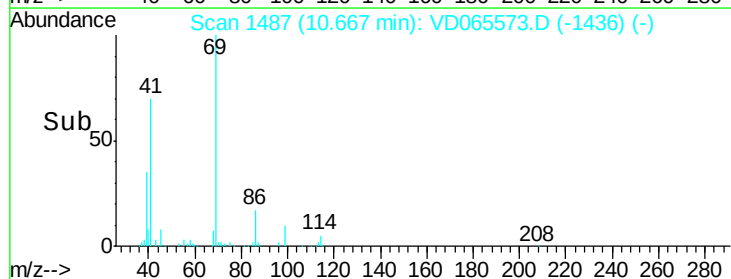
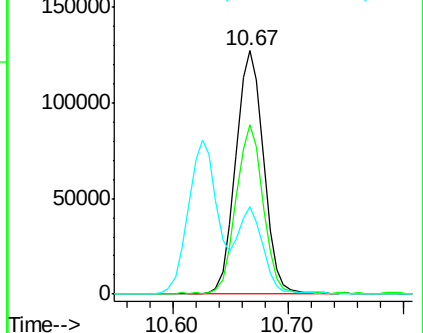
39 31.9 25.3 37.9

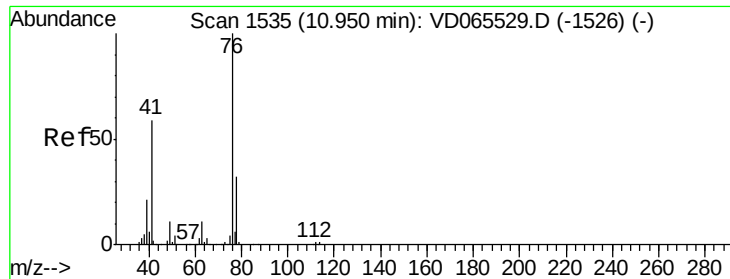


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.537 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

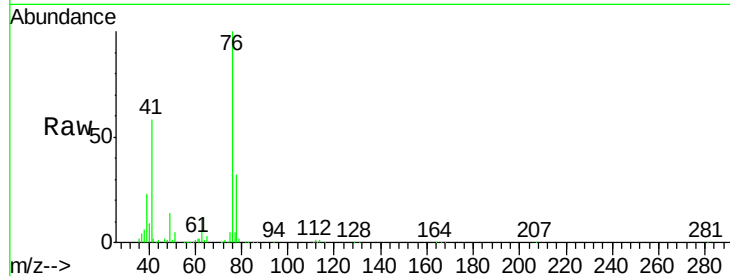
VSTDCCC050EC

Tot Ion: 76 Resp: 311583

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

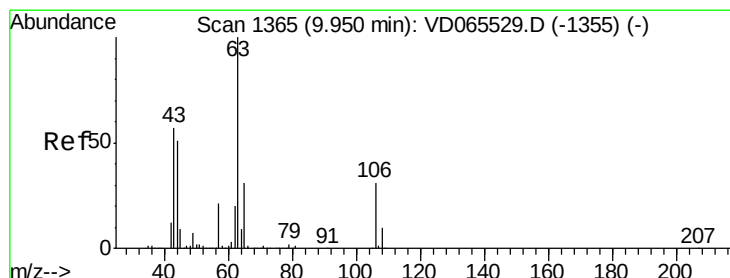
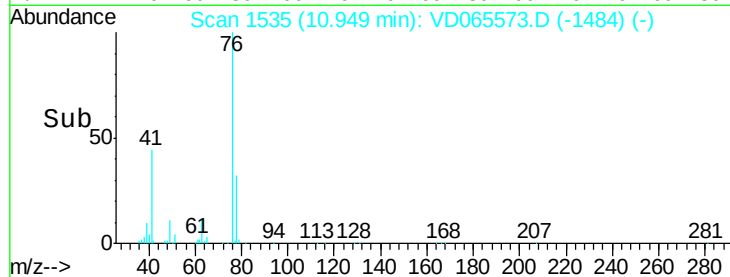
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 275.149 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065573.D

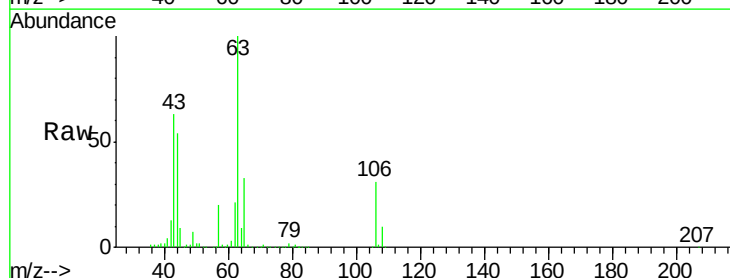
Acq: 31 Mar 2020 18:37

Tgt Ion: 63 Resp: 550292

Ion Ratio Lower Upper

63 100

106 30.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

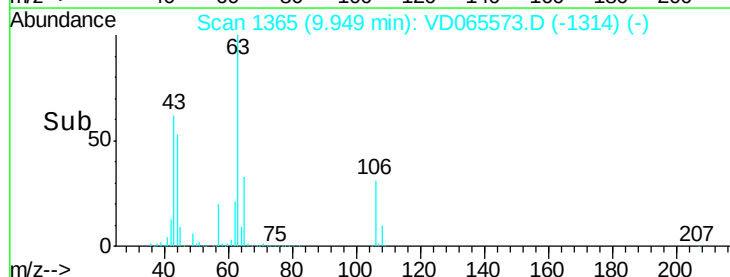
300000

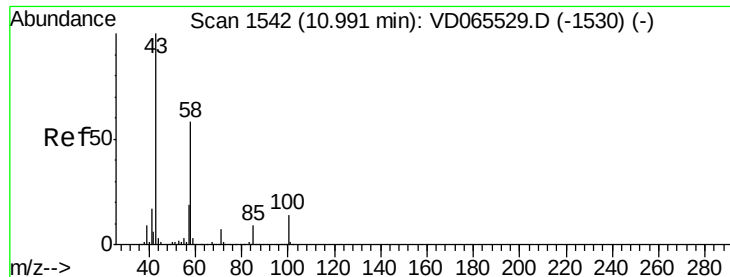
200000

100000

0

Time-->

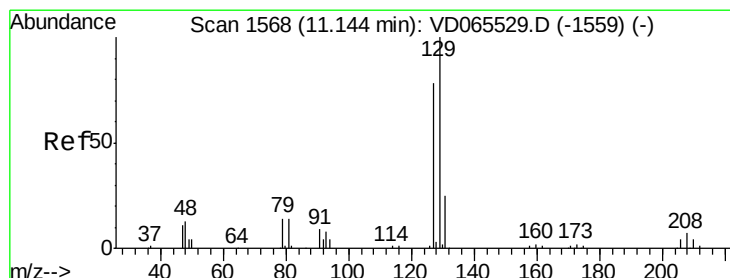
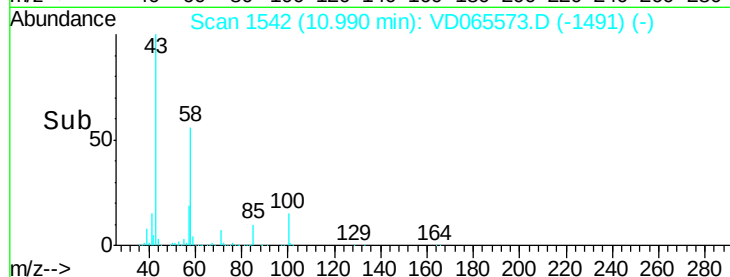
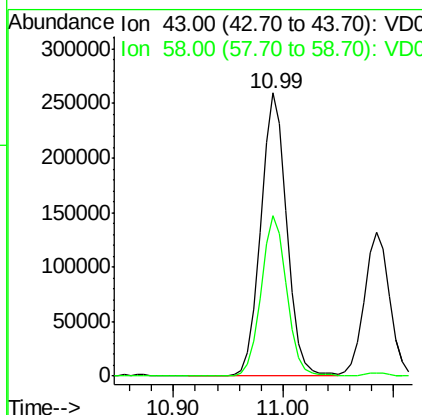
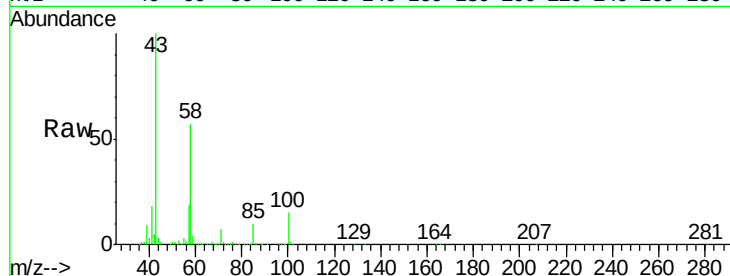




#59
2-Hexanone
Concen: 263.552 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

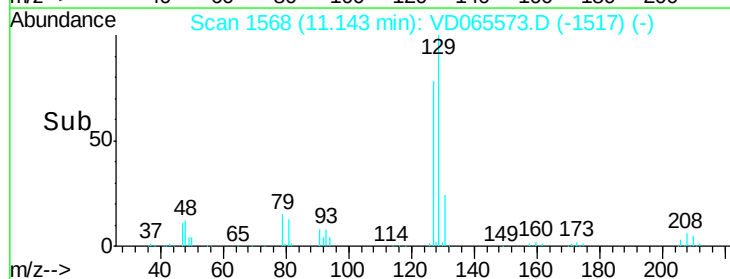
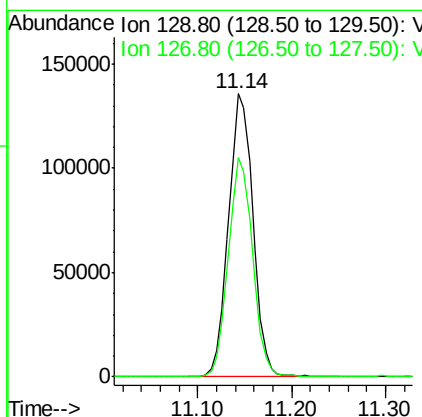
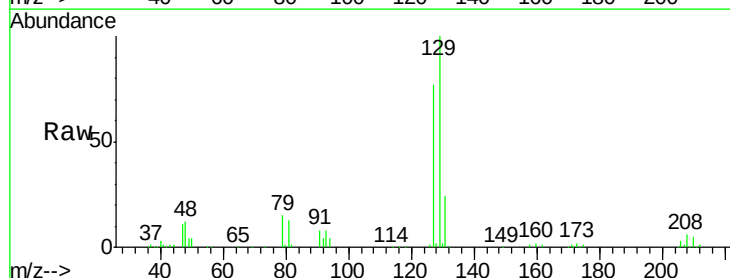
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

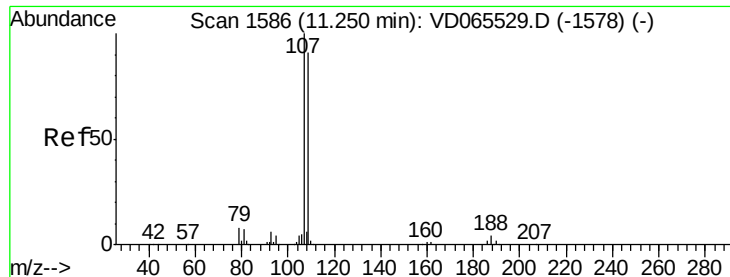
Tot Ion: 43 Resp: 428161
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7



#60
Dibromochloromethane
Concen: 52.724 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 129 Resp: 246252
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6

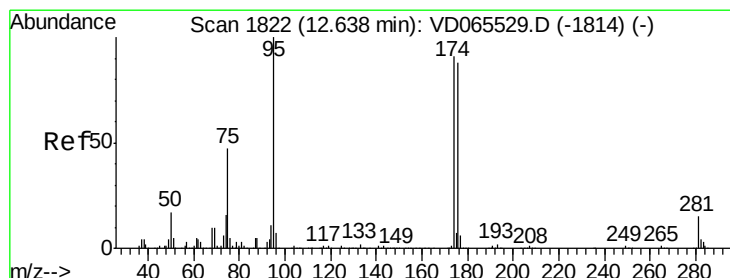
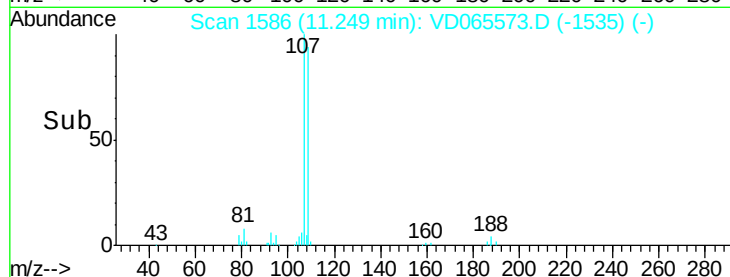
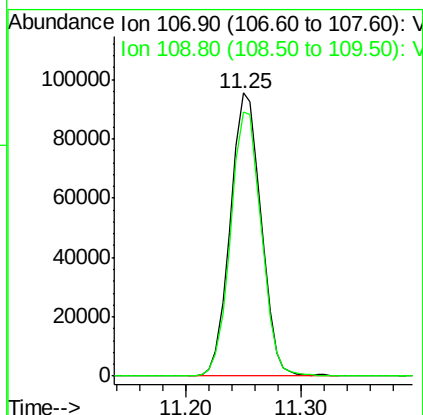
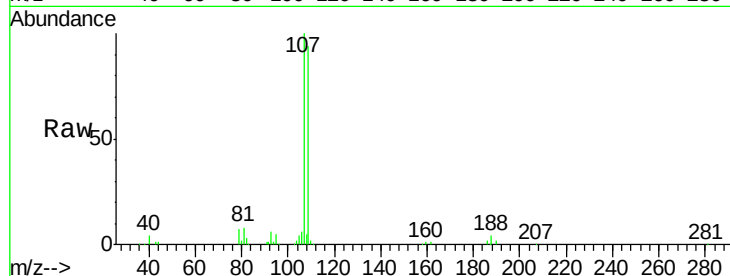




#61
 1,2-Dibromoethane
 Concen: 51.788 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

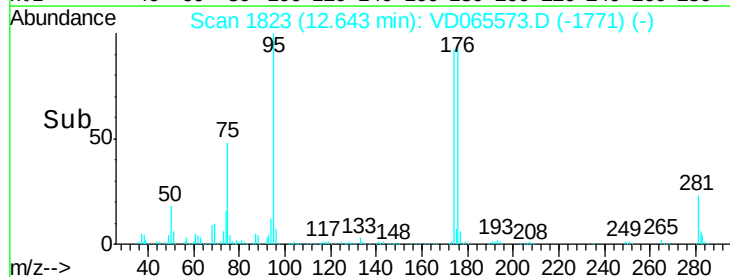
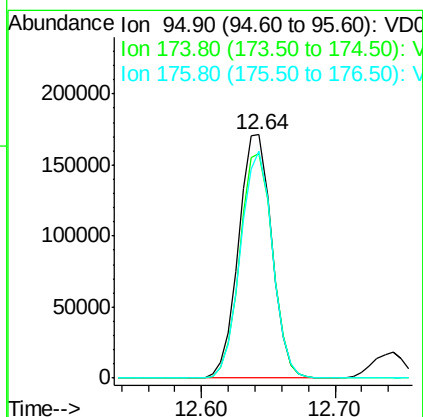
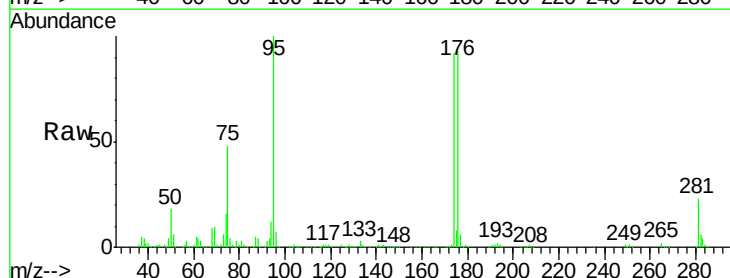
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

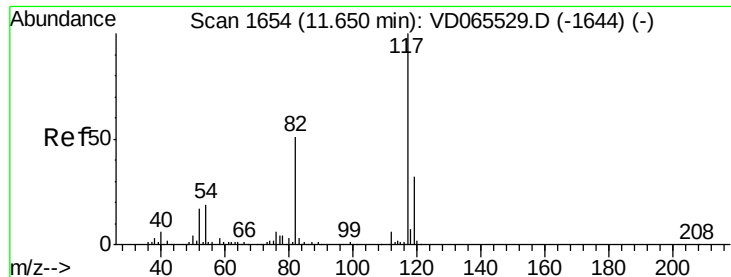
Tot Ion: 107 Resp: 176650
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 53.933 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion: 95 Resp: 294902
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 183.8
 176 89.6 0.0 178.2

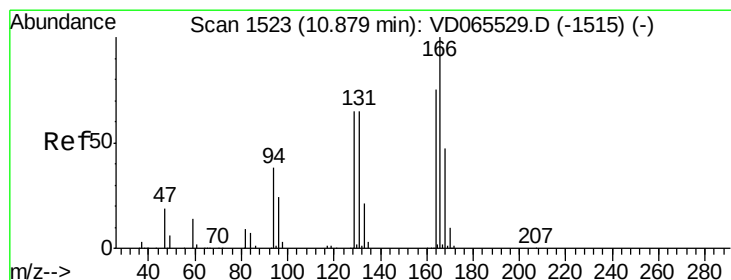
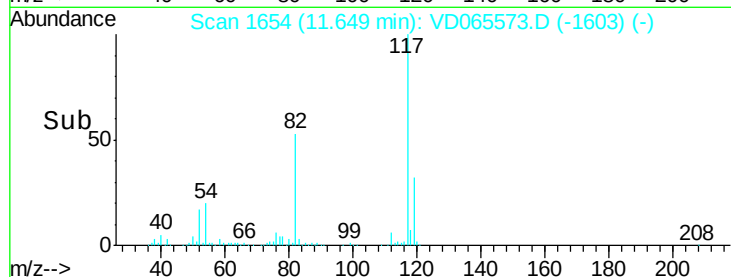
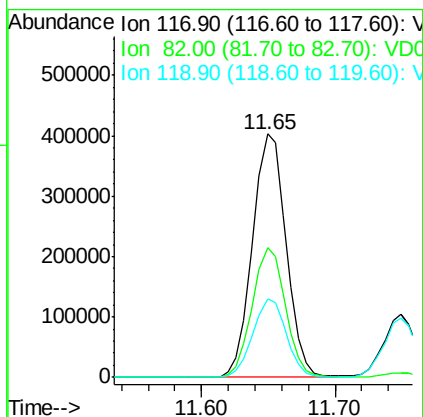
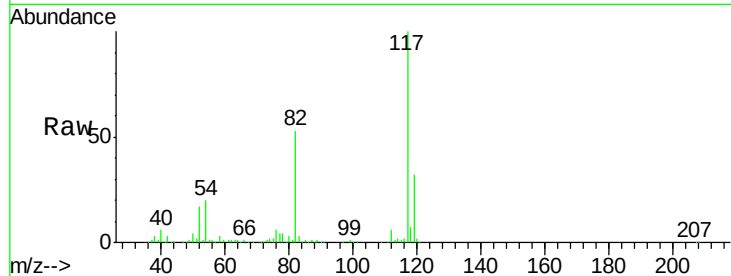




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

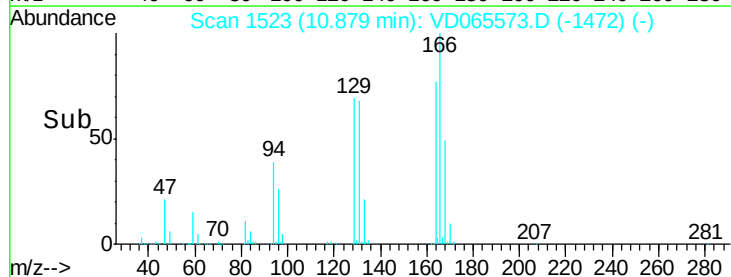
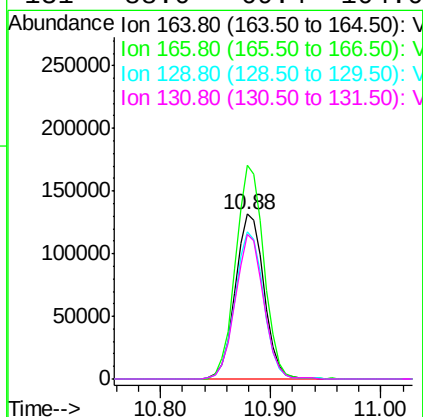
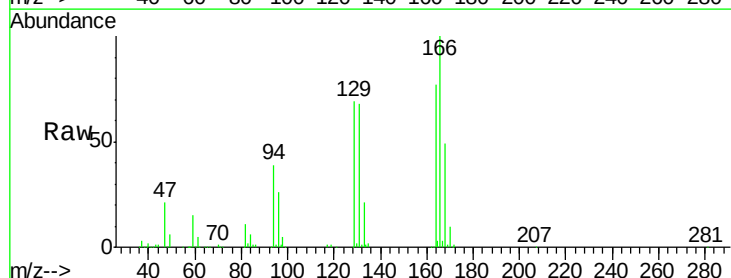
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

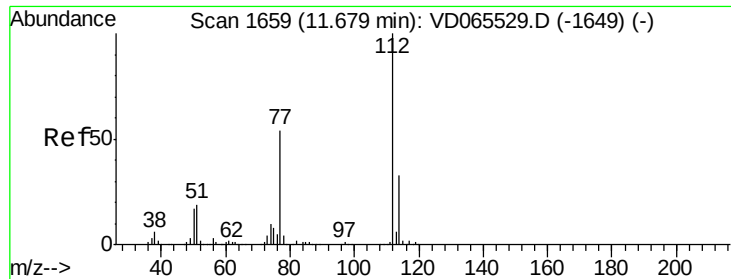
Tot Ion:117 Resp: 701695
Ion Ratio Lower Upper
117 100
82 53.0 41.0 61.6
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 47.975 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion:164 Resp: 241141
Ion Ratio Lower Upper
164 100
166 129.5 107.1 160.7
129 89.6 69.2 103.8
131 88.0 69.4 104.0

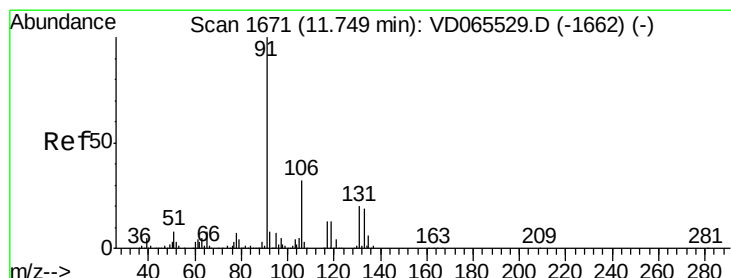
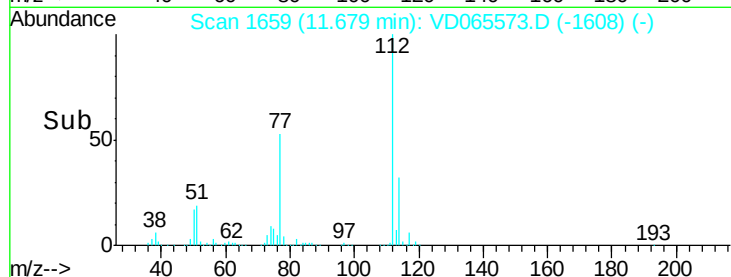
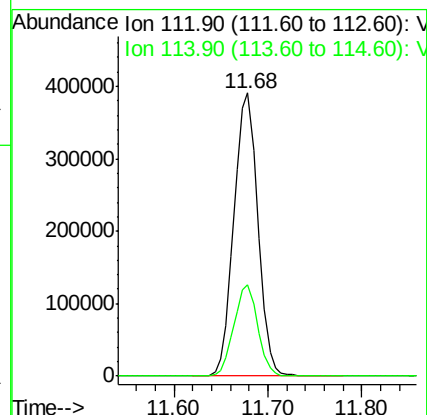
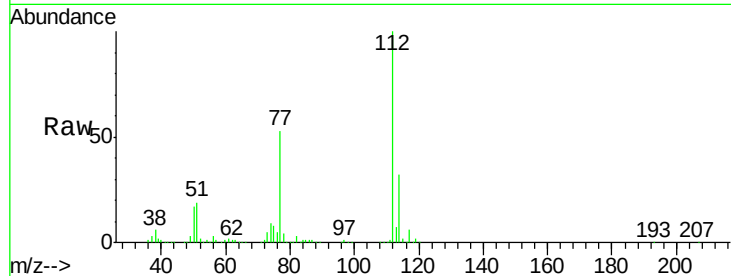




#65
Chlorobenzene
Concen: 50.522 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

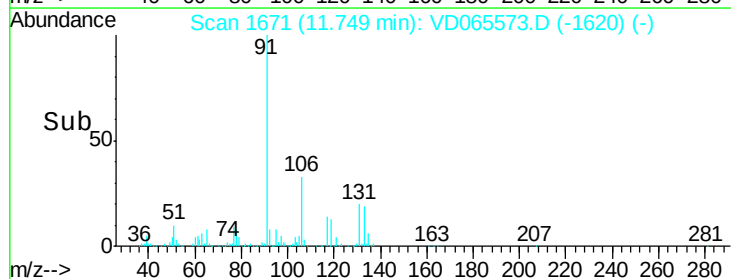
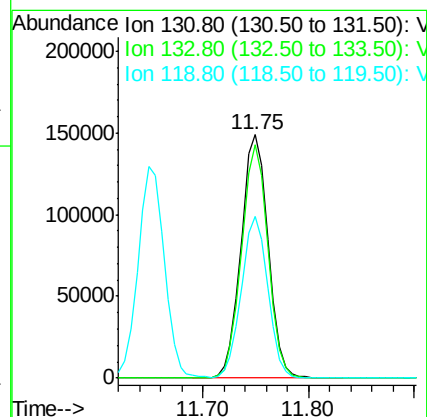
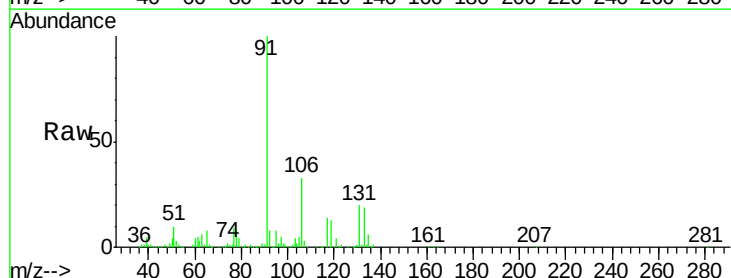
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

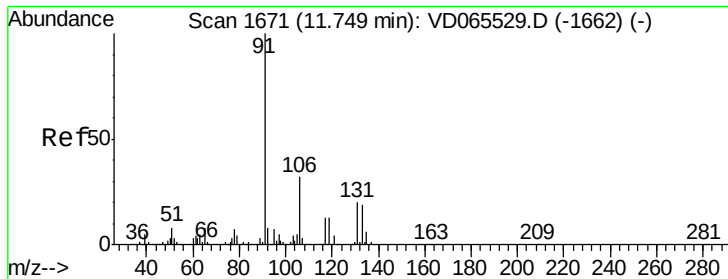
Tot Ion:112 Resp: 693064
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.495 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion:131 Resp: 263432
Ion Ratio Lower Upper
131 100
133 94.0 48.9 146.7
119 65.1 32.5 97.4





#67

Ethyl Benzene

Concen: 52.410 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

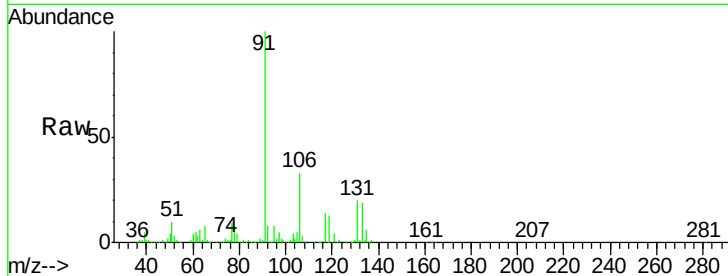
VSTDCCC050EC

Tot Ion: 91 Resp: 1210975

Ion Ratio Lower Upper

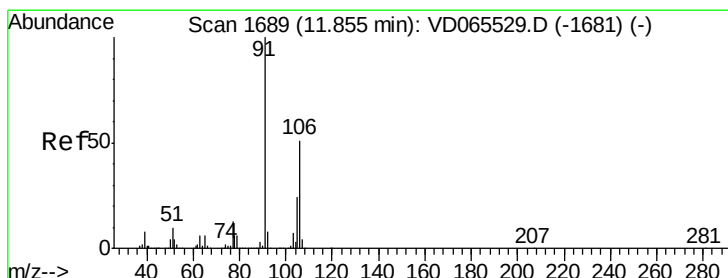
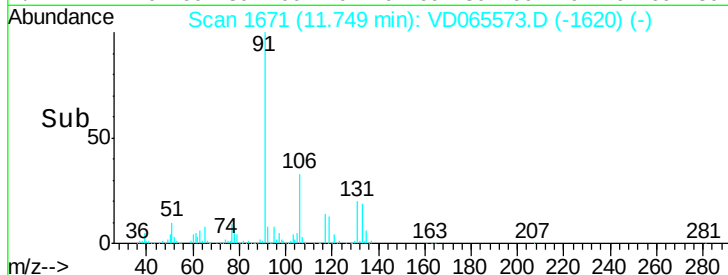
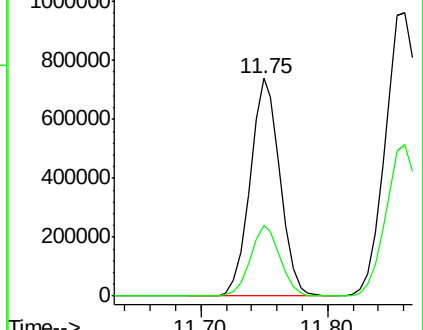
91 100

106 32.6 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 106.175 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065573.D

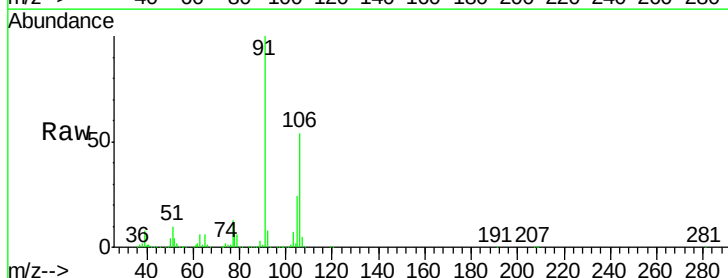
Acq: 31 Mar 2020 18:37

Tgt Ion: 106 Resp: 963251

Ion Ratio Lower Upper

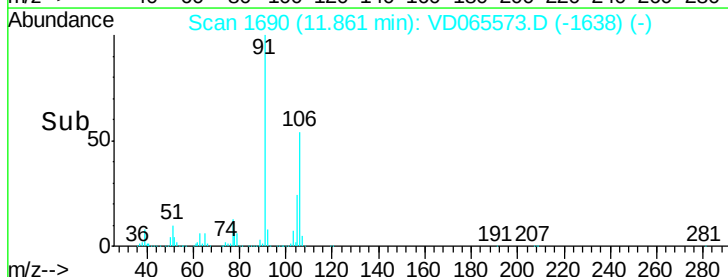
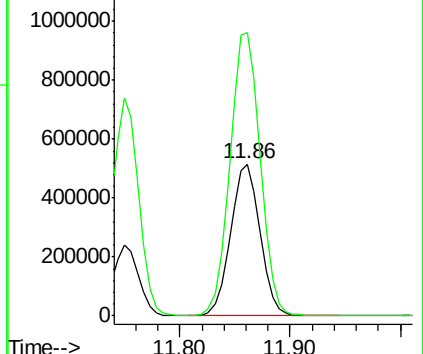
106 100

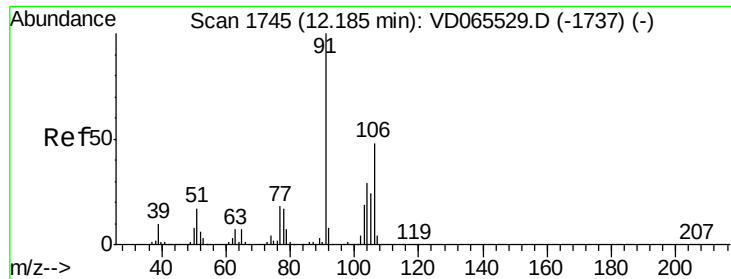
91 191.9 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

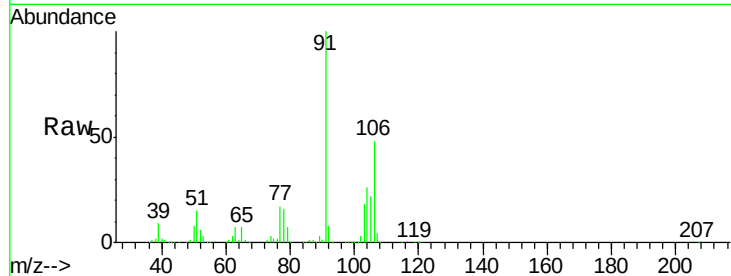




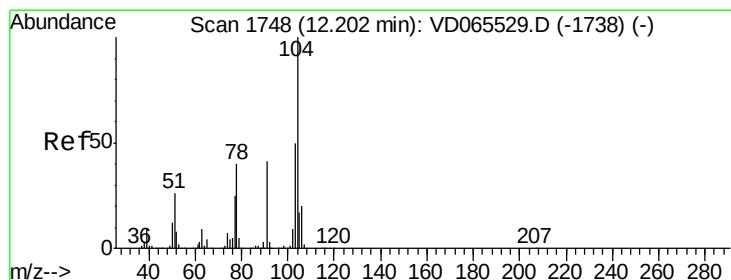
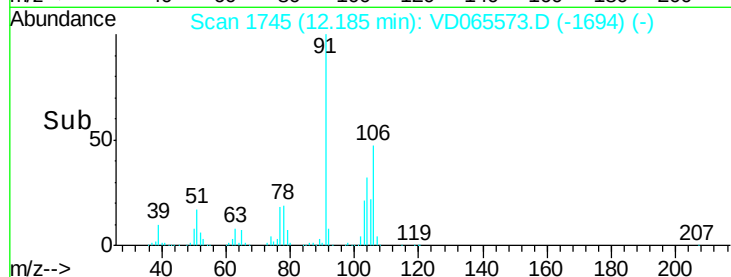
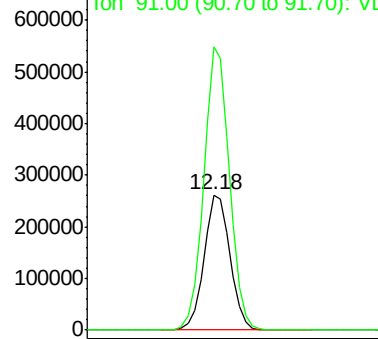
#69
o-Xylene
Concen: 54.406 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 432274
Ion Ratio Lower Upper
106 100
91 206.3 102.8 308.4

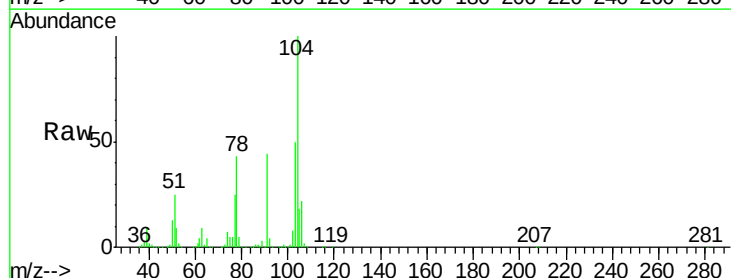


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

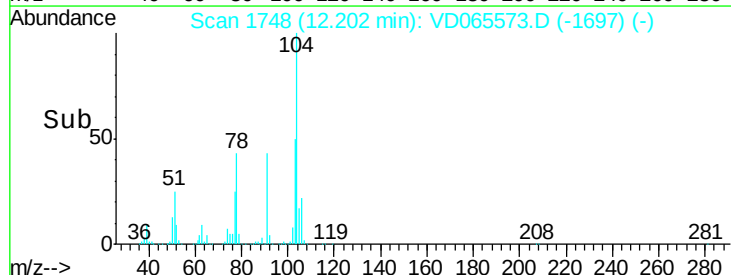
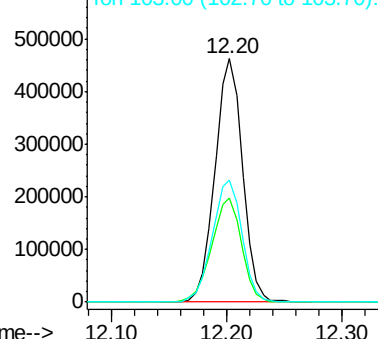


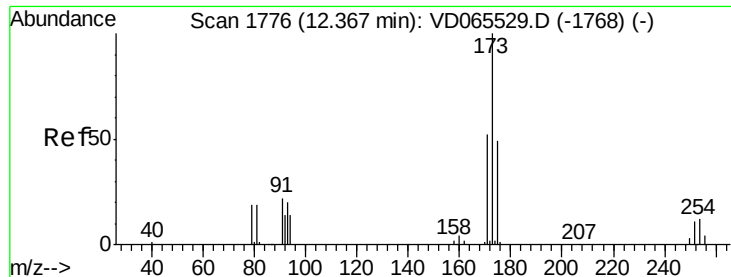
#70
Styrene
Concen: 54.745 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion:104 Resp: 768252
Ion Ratio Lower Upper
104 100
78 46.5 36.6 55.0
103 53.8 43.8 65.6



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

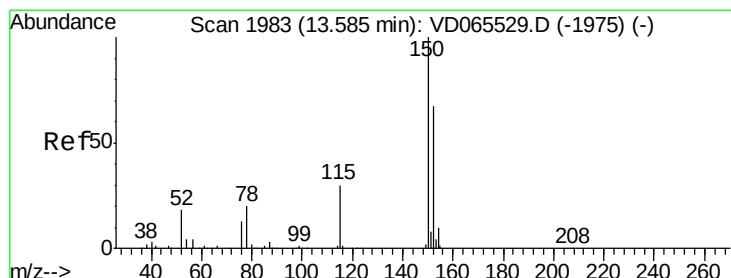
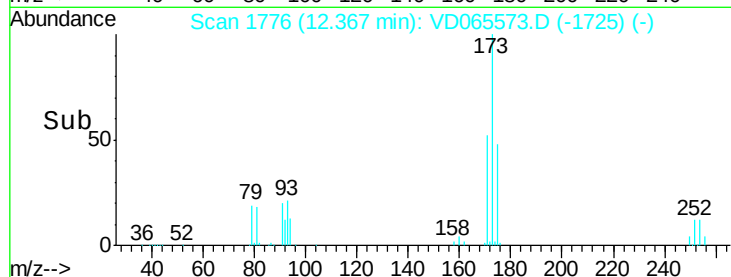
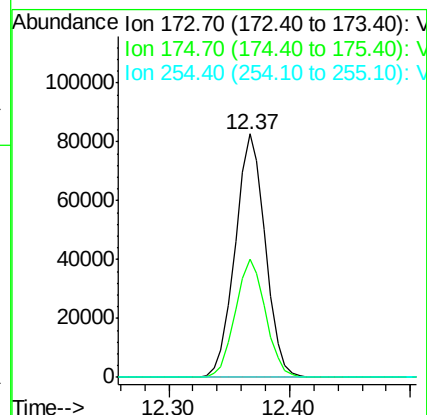
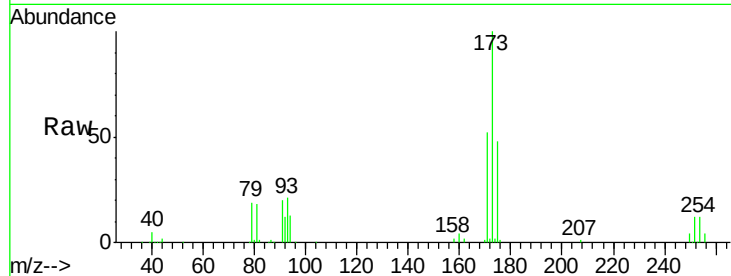




#71
Bromoform
Concen: 50.855 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

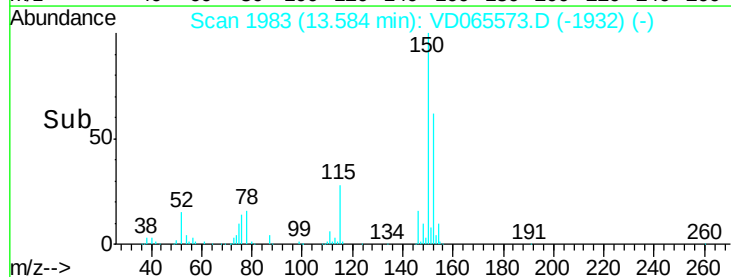
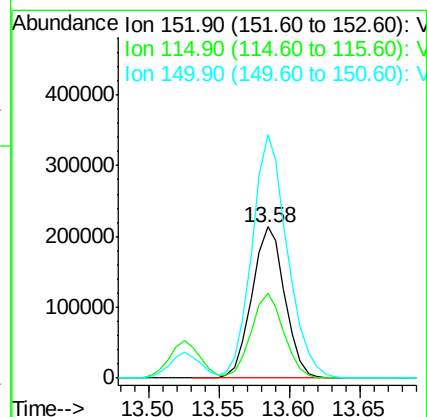
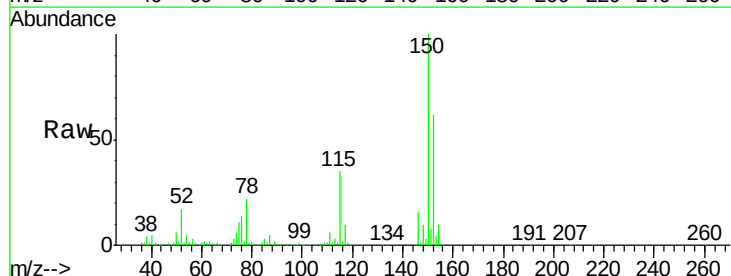
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

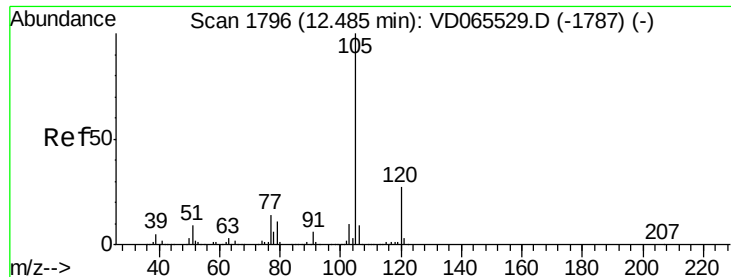
Tot Ion:173 Resp: 143497
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.8
254 0.0 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion:152 Resp: 349186
Ion Ratio Lower Upper
152 100
115 55.7 27.2 81.6
150 173.4 0.0 340.2





#73

Isopropylbenzene

Concen: 53.639 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

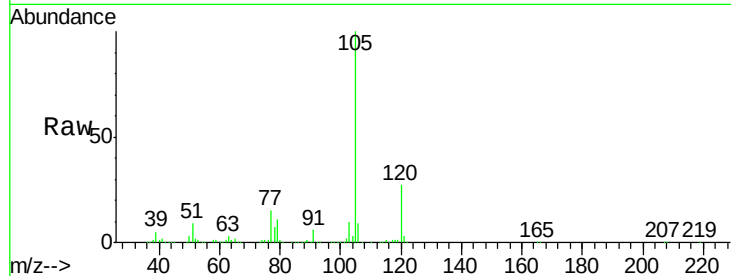
VSTDCCC050EC

Tot Ion:105 Resp: 1150067

Ion Ratio Lower Upper

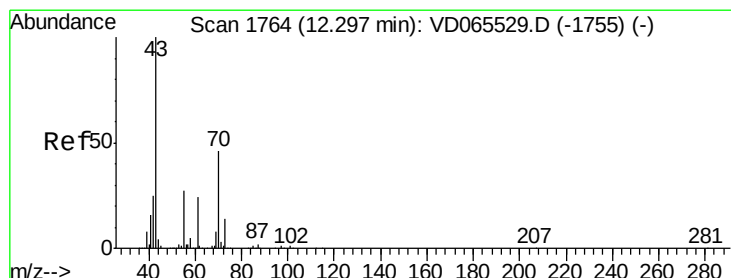
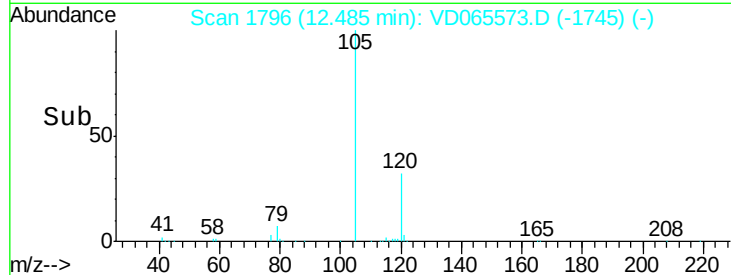
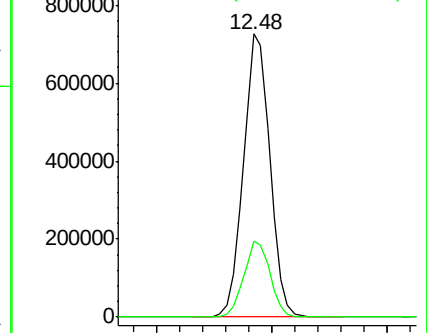
105 100

120 26.8 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.231 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Tgt Ion: 43 Resp: 225245

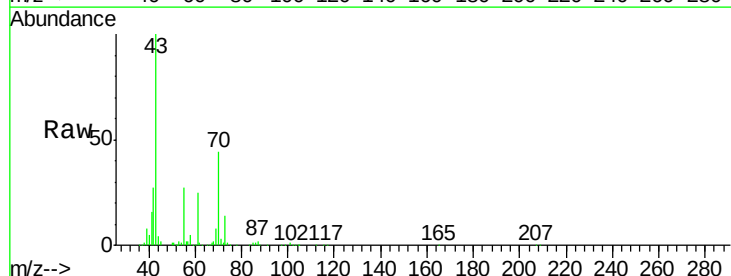
Ion Ratio Lower Upper

43 100

70 45.0 36.2 54.2

55 27.8 22.2 33.4

61 24.9 19.5 29.3

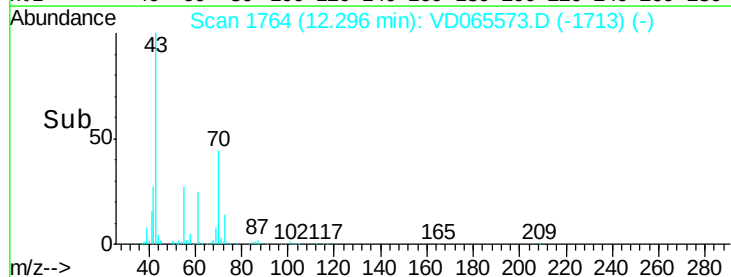
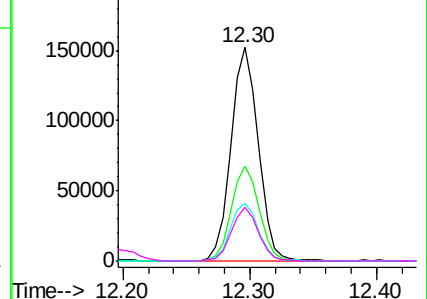


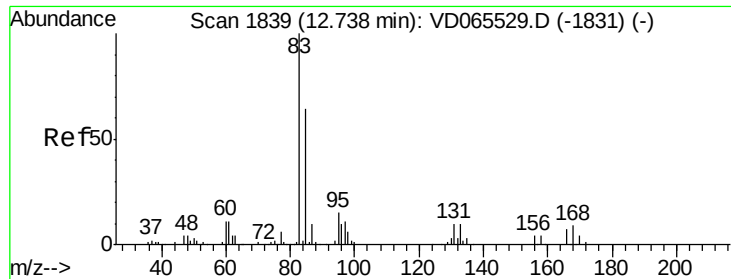
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.412 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

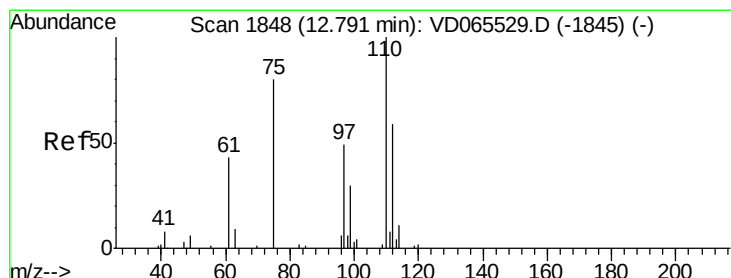
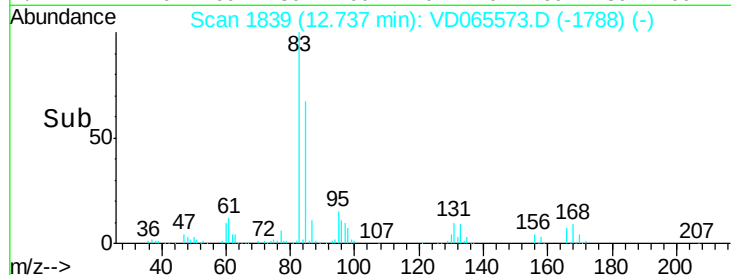
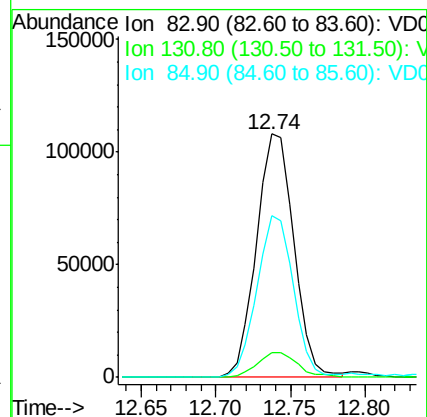
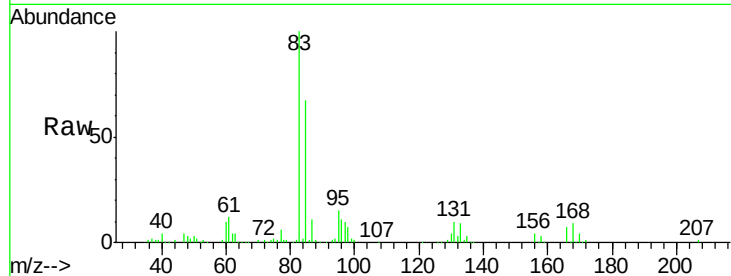
Tot Ion: 83 Resp: 187746

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

85 64.7 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 47.807 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065573.D

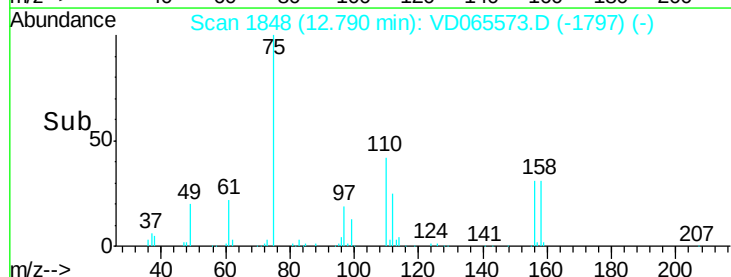
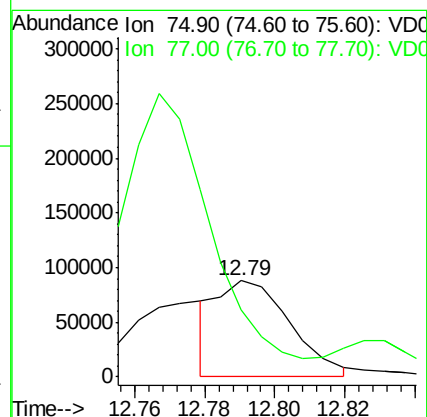
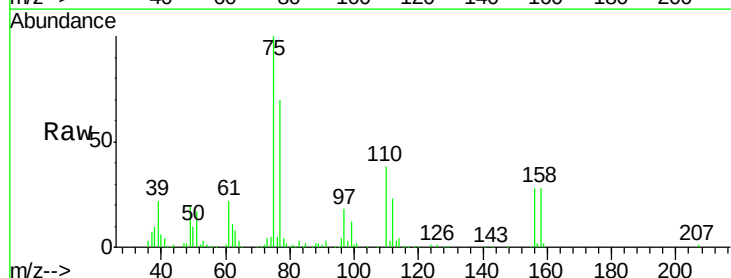
Acq: 31 Mar 2020 18:37

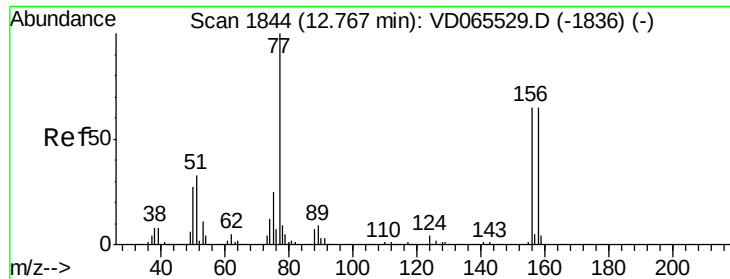
Tgt Ion: 75 Resp: 128341

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.472 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

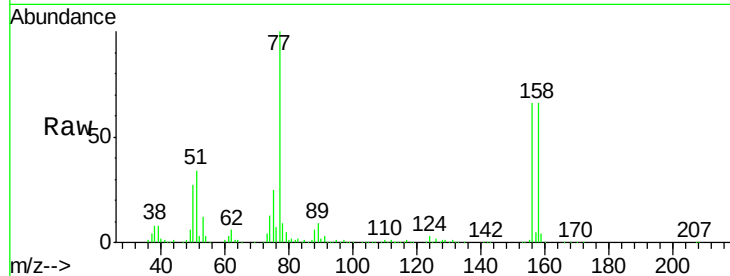
Tot Ion:156 Resp: 293999

Ion Ratio Lower Upper

156 100

77 162.5 81.8 245.3

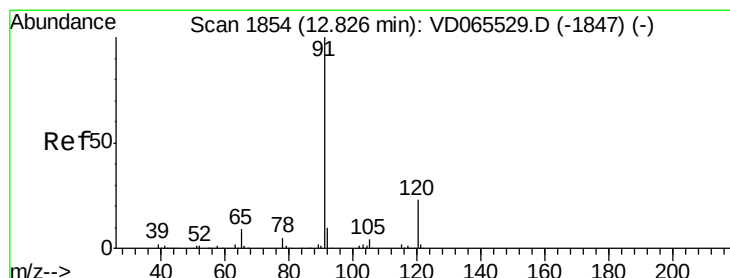
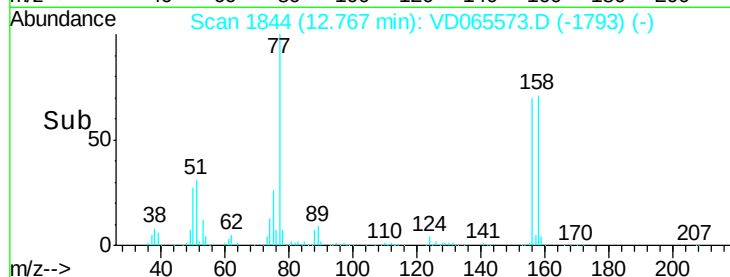
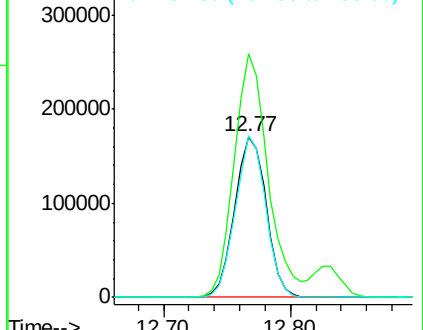
158 96.8 49.1 147.4



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: 53.195 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065573.D

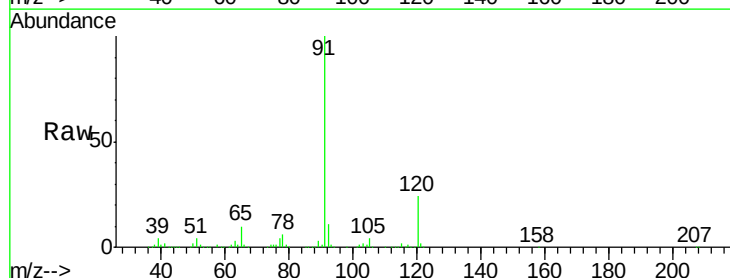
Acq: 31 Mar 2020 18:37

Tgt Ion: 91 Resp: 1359525

Ion Ratio Lower Upper

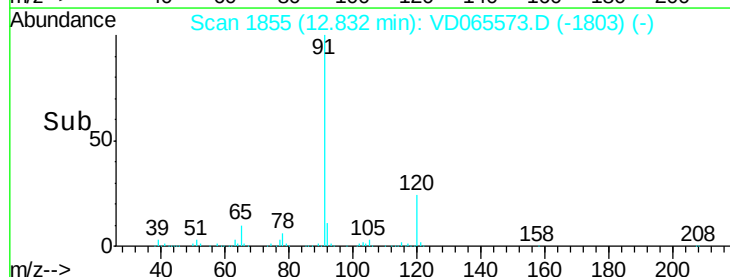
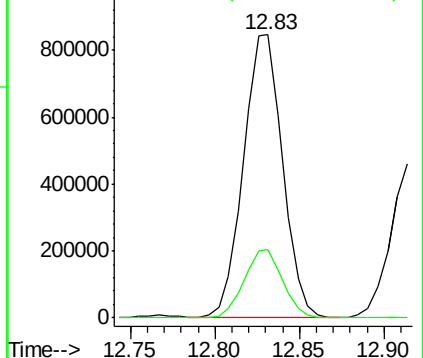
91 100

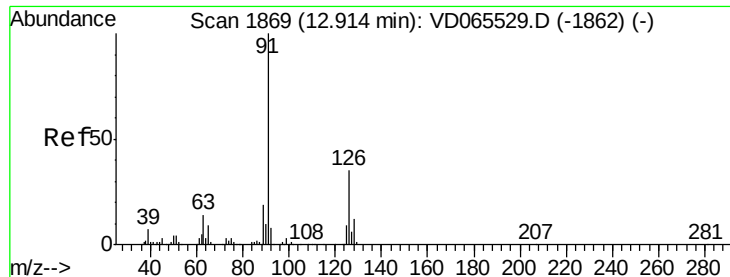
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

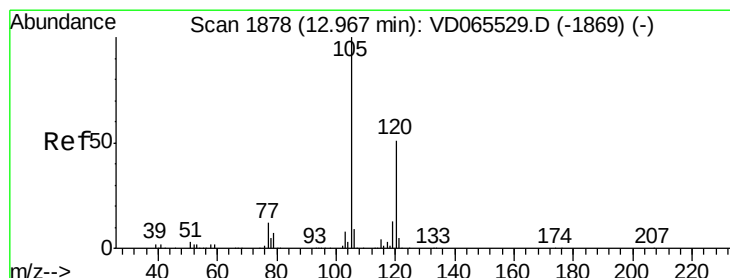
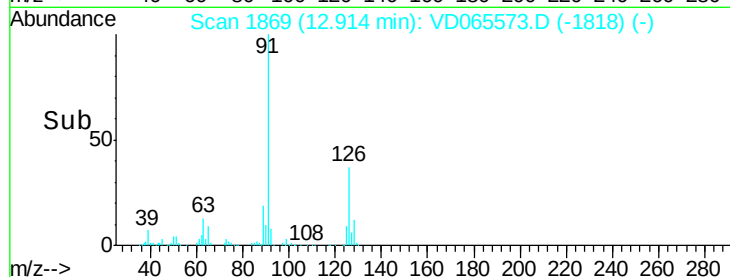
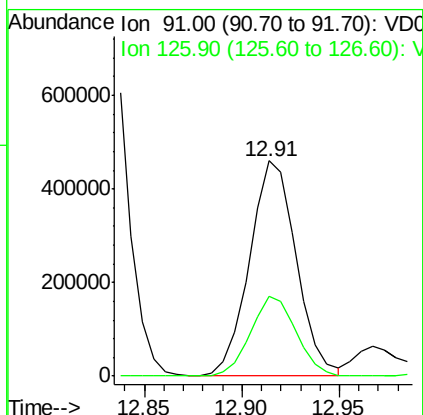
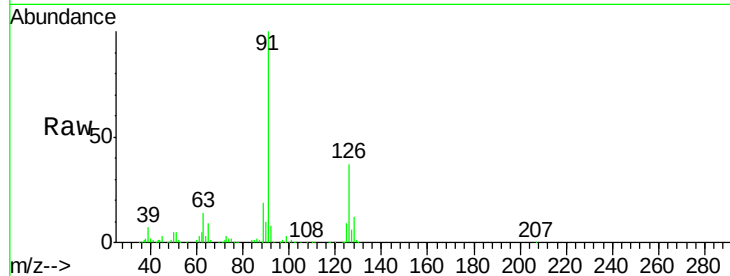




#79
2-Chlorotoluene
Concen: 52.307 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

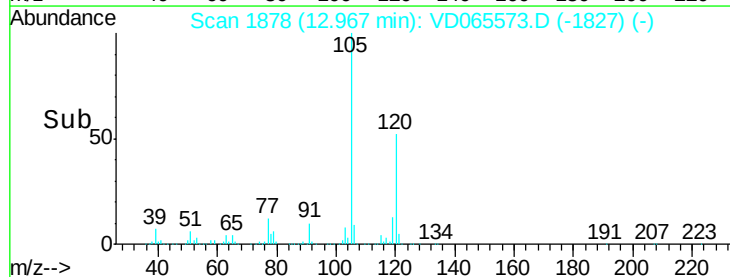
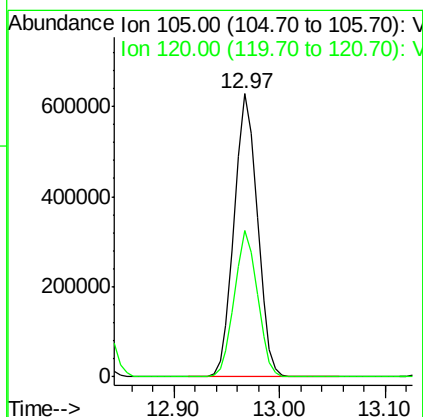
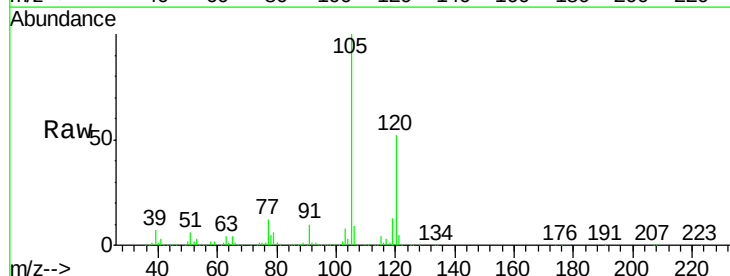
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

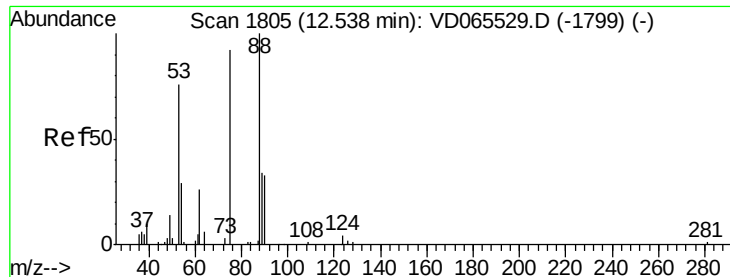
Tot Ion: 91 Resp: 762664
Ion Ratio Lower Upper
91 100
126 36.5 17.8 53.4



#80
1,3,5-Trimethylbenzene
Concen: 53.904 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 105 Resp: 957969
Ion Ratio Lower Upper
105 100
120 51.2 25.6 76.6

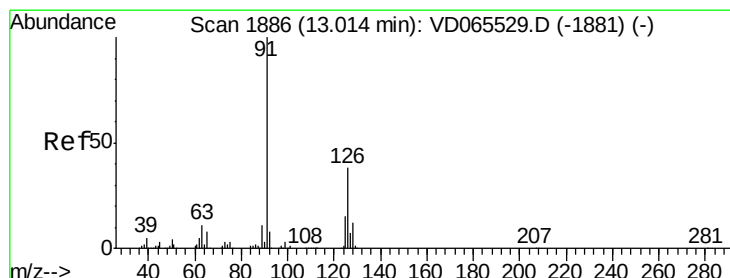
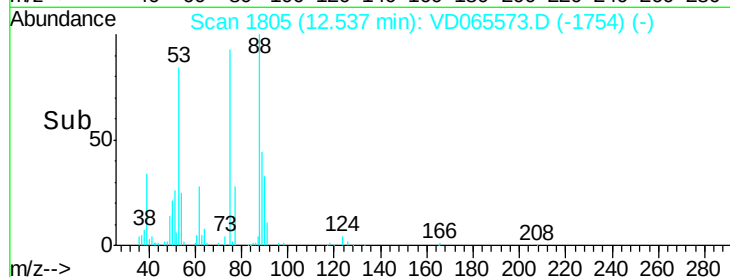
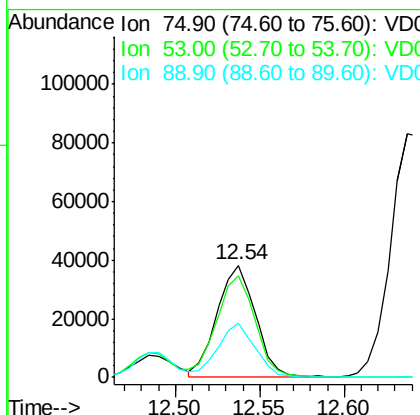
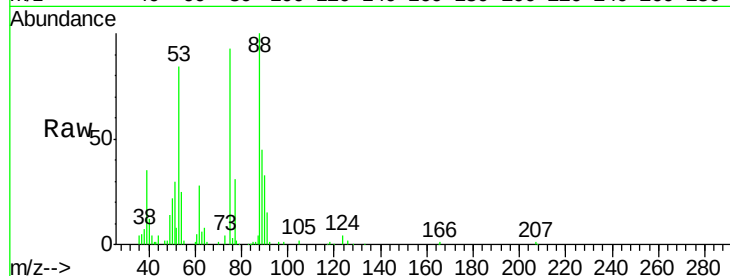




#81
trans-1,4-Dichloro-2-butene
Concen: 50.460 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

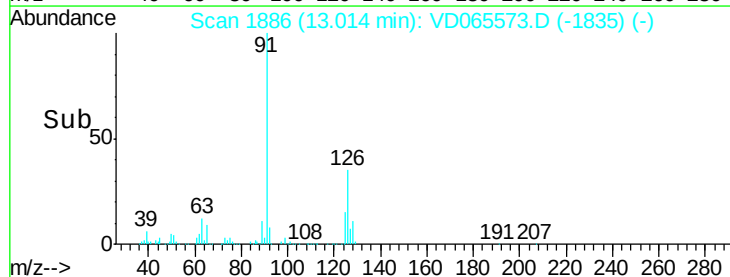
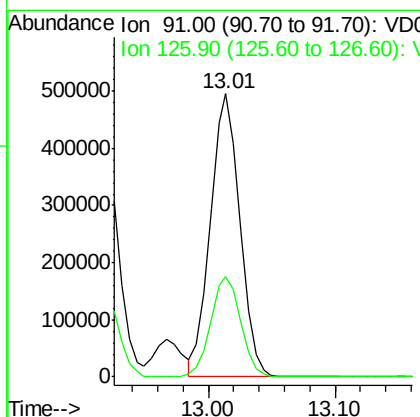
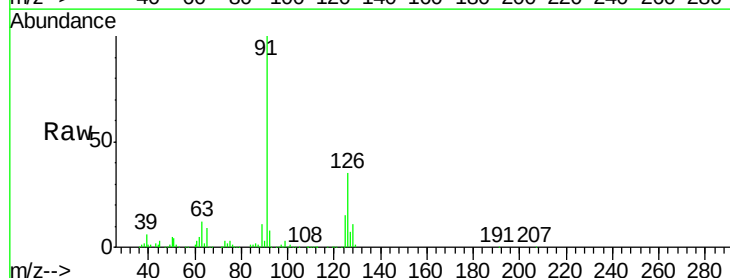
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

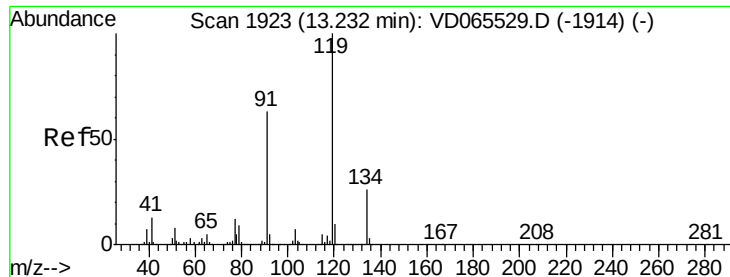
Tot Ion: 75 Resp: 60687
Ion Ratio Lower Upper
75 100
53 91.1 72.4 108.6
89 46.9 36.9 55.3



#82
4-Chlorotoluene
Concen: 51.709 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 91 Resp: 801229
Ion Ratio Lower Upper
91 100
126 36.0 17.9 53.7





#83

tert-Butylbenzene

Concen: 53.096 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

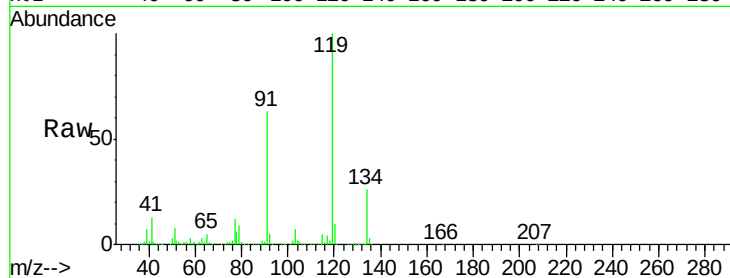
Tot Ion:119 Resp: 790293

Ion Ratio Lower Upper

119 100

91 62.6 31.4 94.0

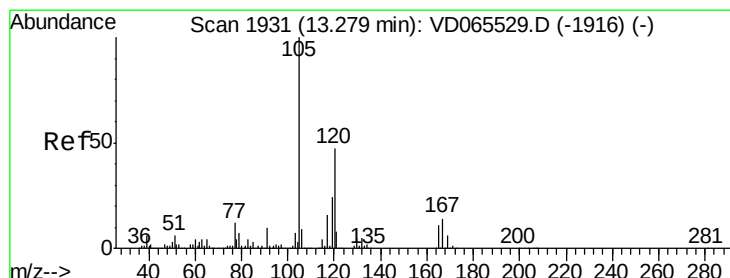
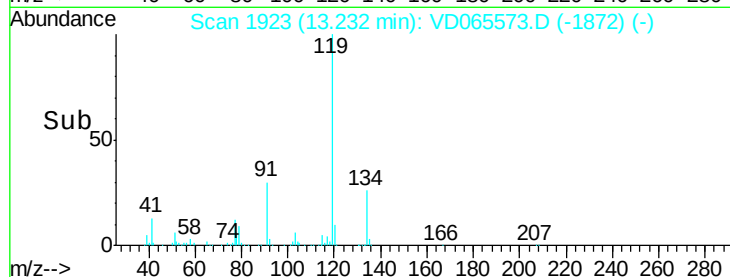
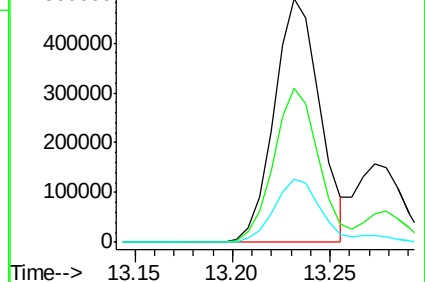
134 28.4 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.281 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065573.D

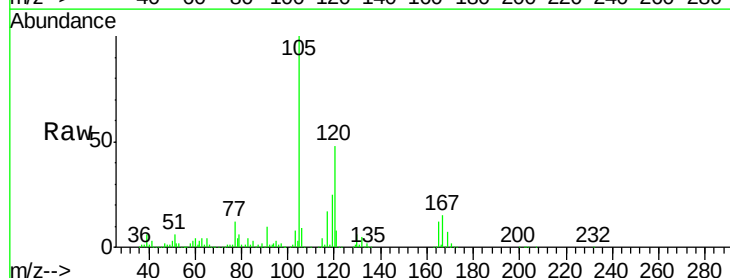
Acq: 31 Mar 2020 18:37

Tgt Ion:105 Resp: 964404

Ion Ratio Lower Upper

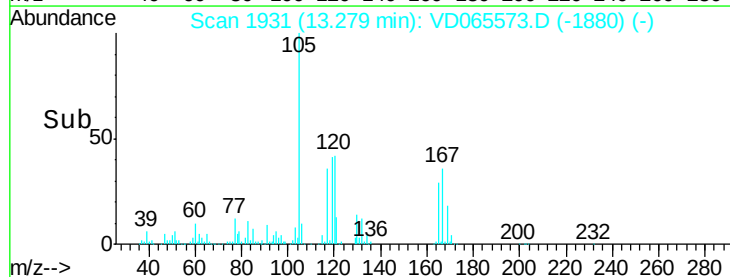
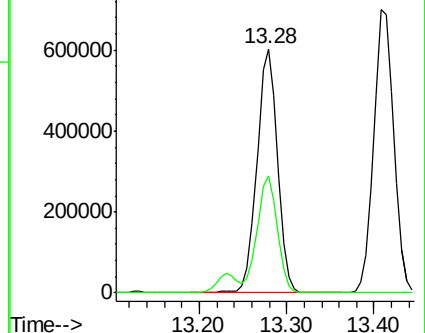
105 100

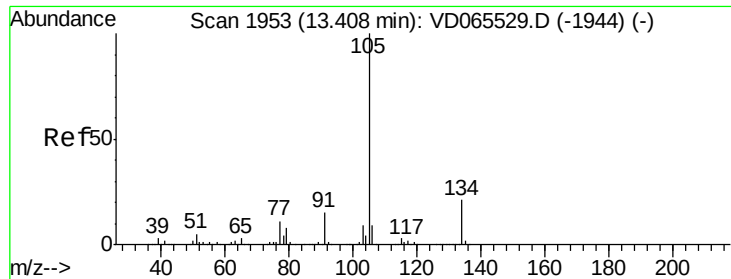
120 47.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.528 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

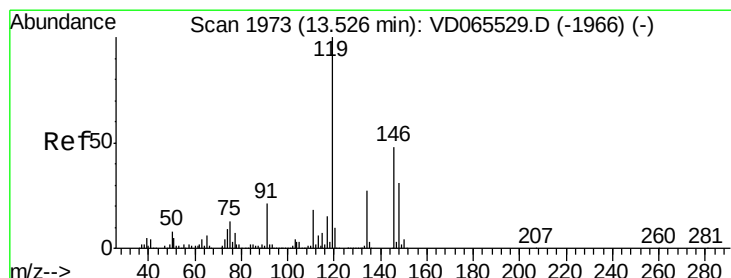
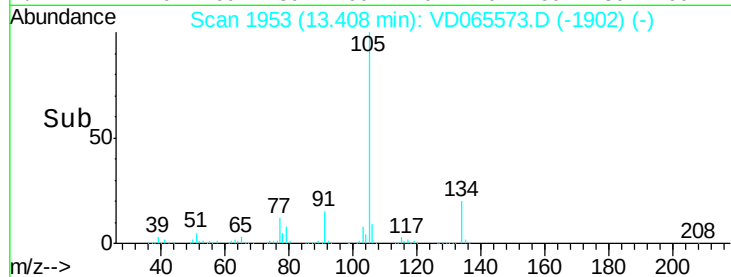
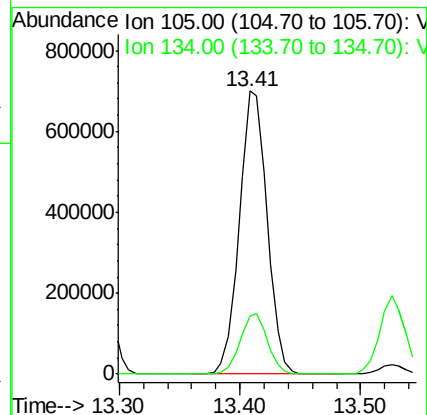
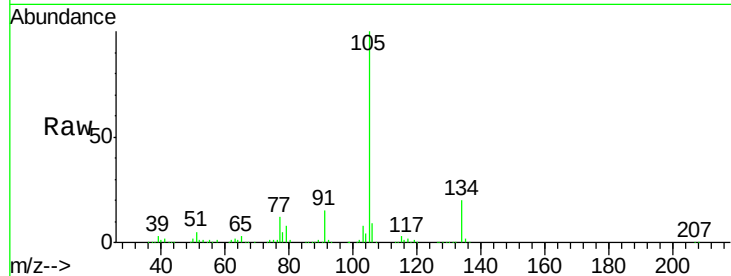
VSTDCCC050EC

Tot Ion:105 Resp: 1118833

Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8



#86

p-Isopropyltoluene

Concen: 53.253 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

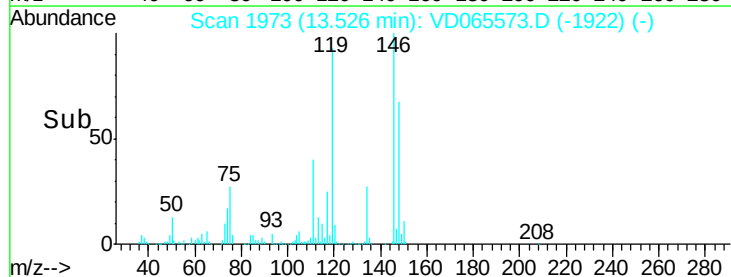
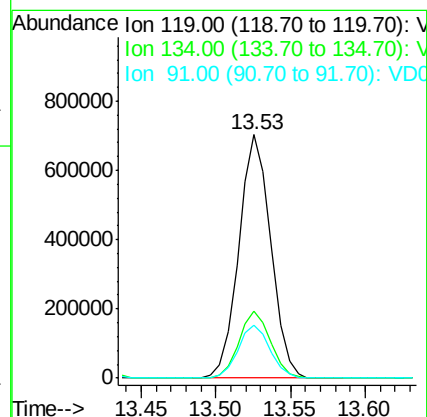
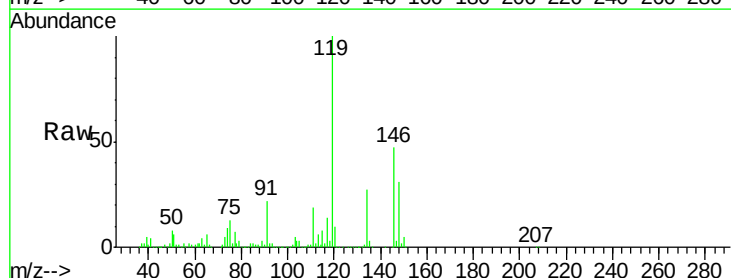
Tgt Ion:119 Resp: 1045261

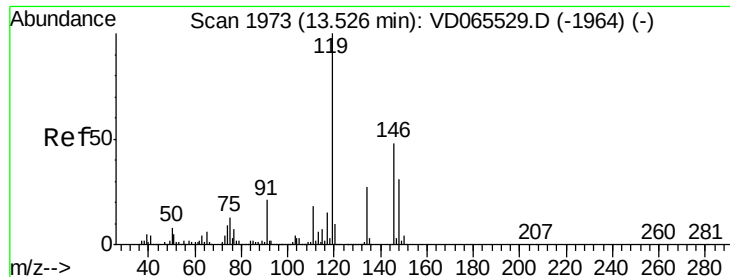
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 21.7 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 51.240 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

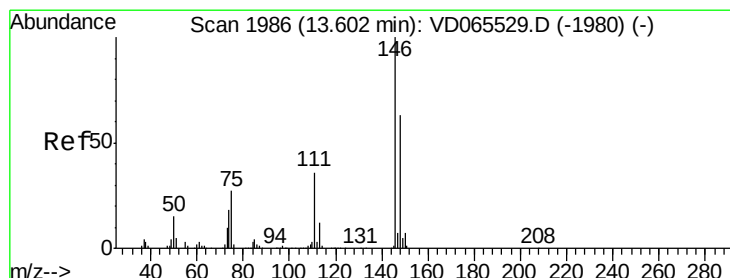
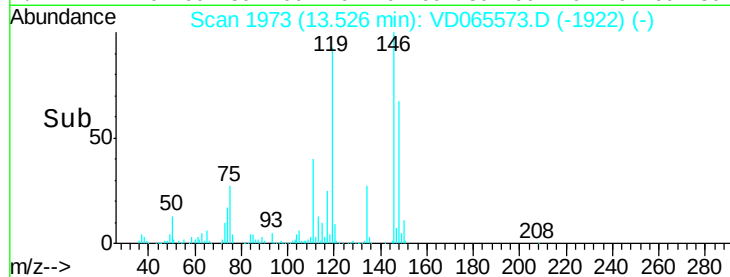
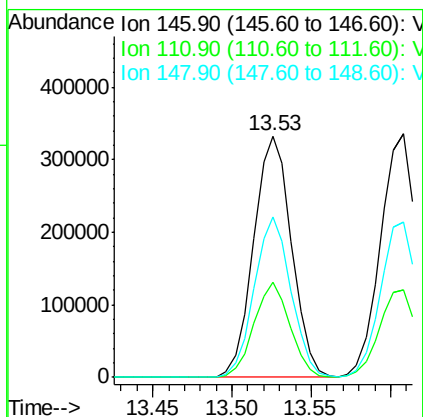
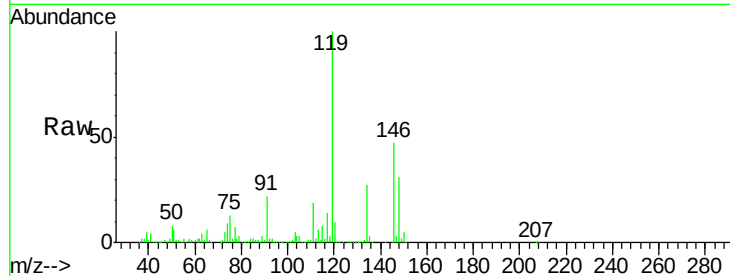
Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 552682

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.5	55.5
148	64.6	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 50.292 ug/l

RT: 13.61 min Scan# 1987

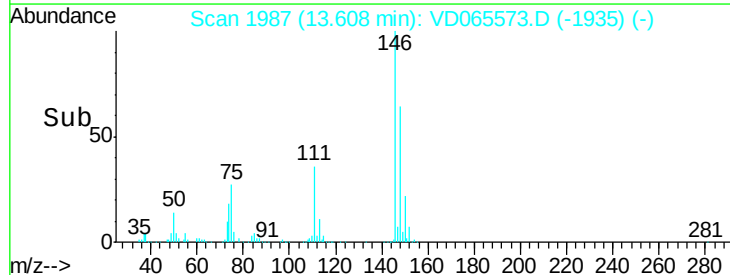
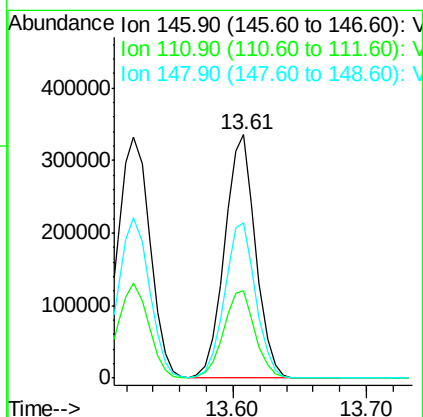
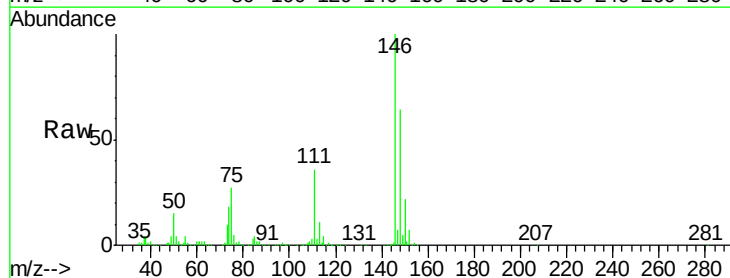
Delta R.T. 0.01 min

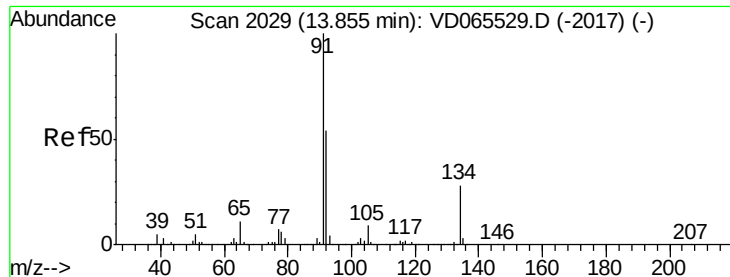
Lab File: VD065573.D

Acq: 31 Mar 2020 18:37

Tgt Ion:146 Resp: 542023

Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.0	54.0
148	64.2	31.6	94.8

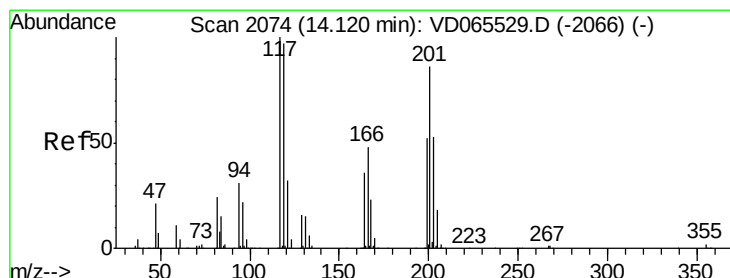
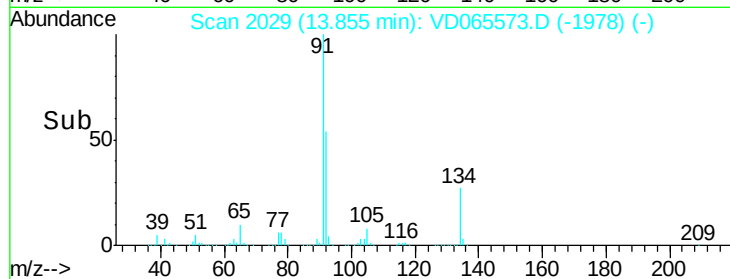
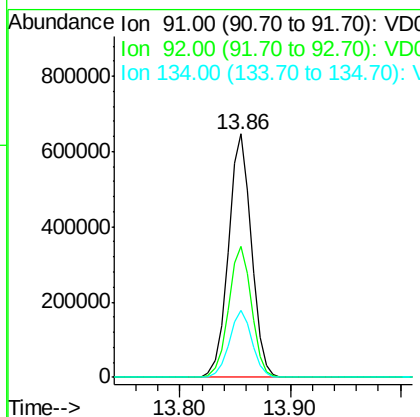
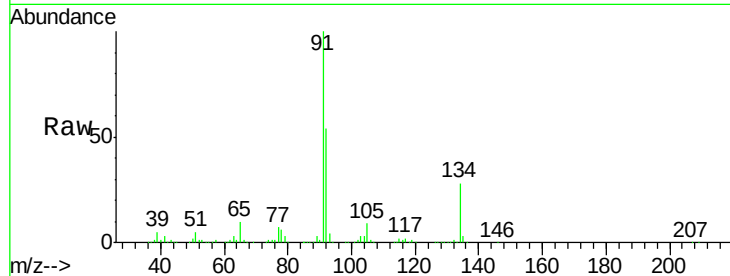




#89
n-Butylbenzene
Concen: 52.850 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

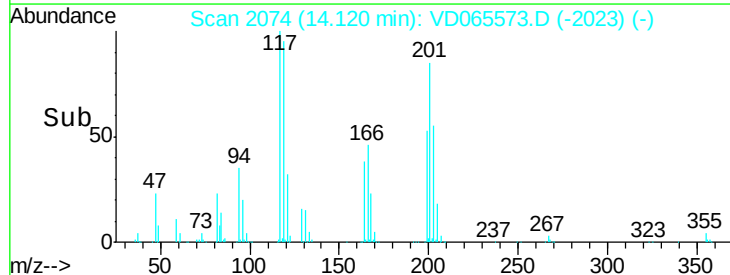
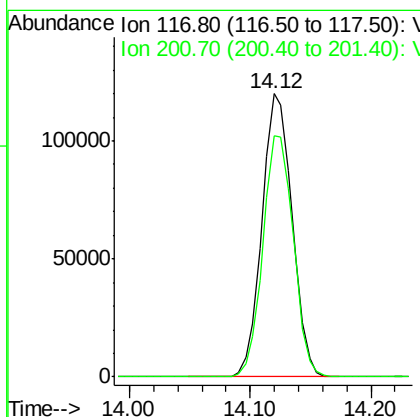
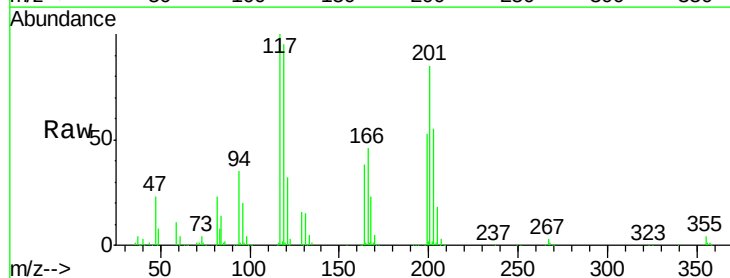
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

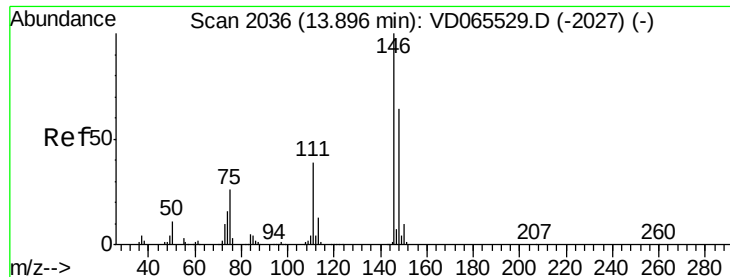
Tot Ion: 91 Resp: 942051
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 27.0 13.7 41.0



#90
Hexachloroethane
Concen: 50.408 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion: 117 Resp: 207484
Ion Ratio Lower Upper
117 100
201 85.9 43.9 131.6

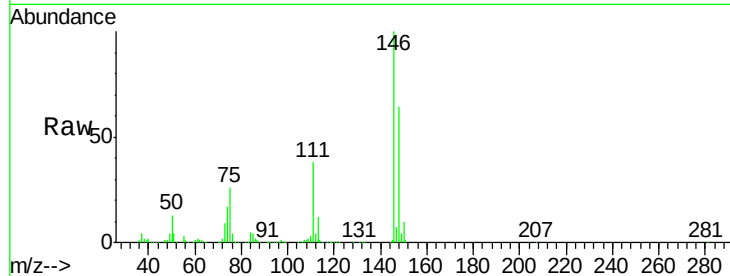




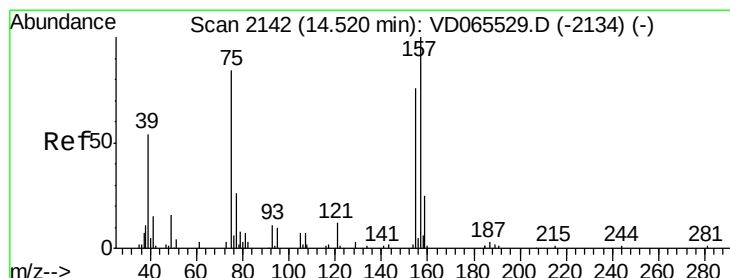
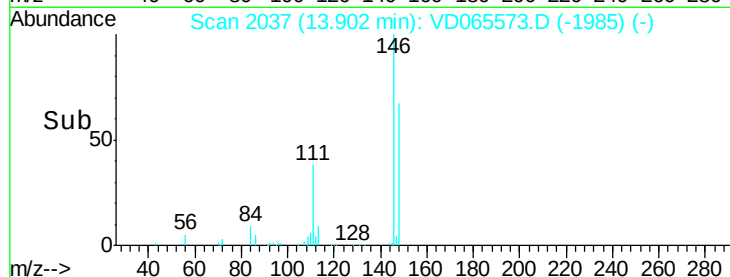
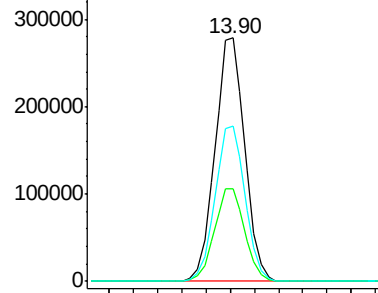
#91
 1,2-Dichlorobenzene
 Concen: 52.172 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.4
148	64.2	32.1	96.5

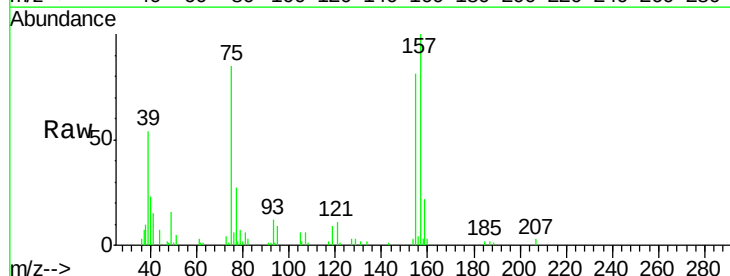


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

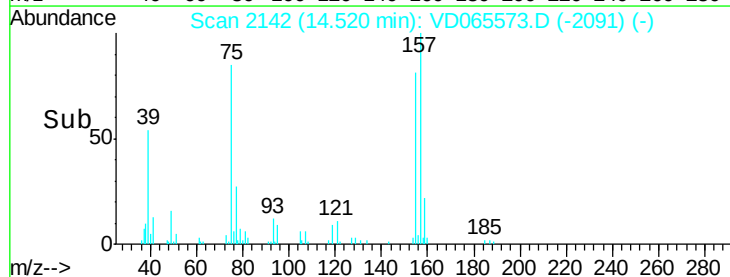
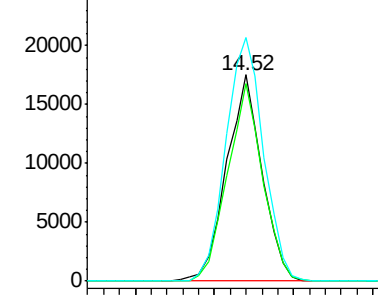


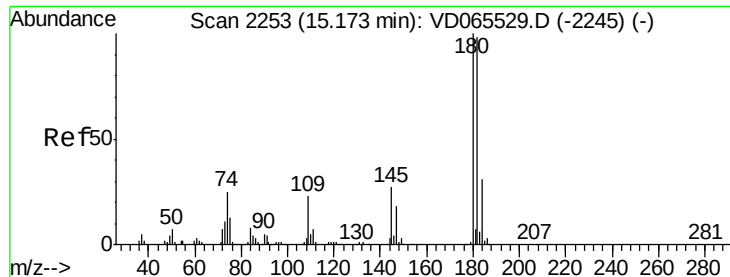
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.645 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	46.2	138.6
157	125.2	57.9	173.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

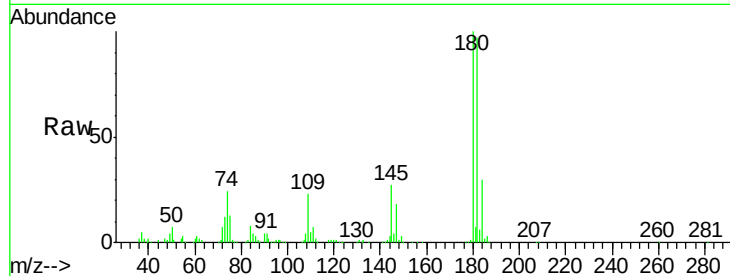




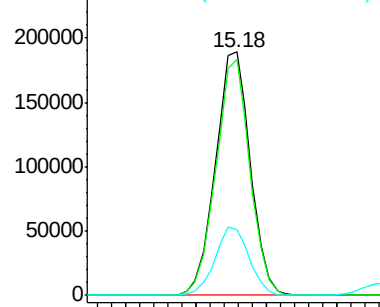
#93
 1,2,4-Trichlorobenzene
 Concen: 51.524 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

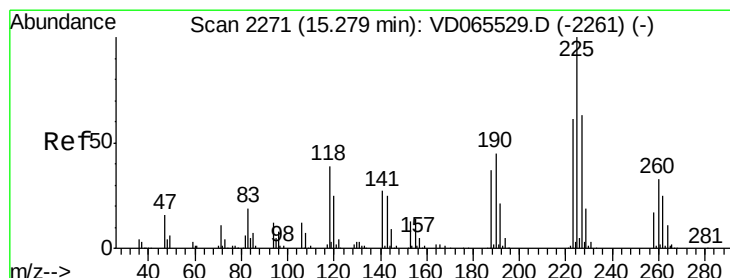
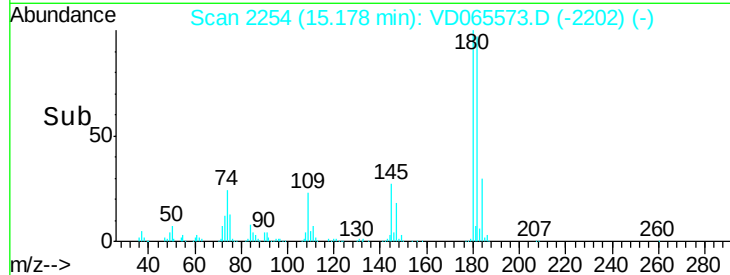
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.3
145	27.7	13.9	41.6



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

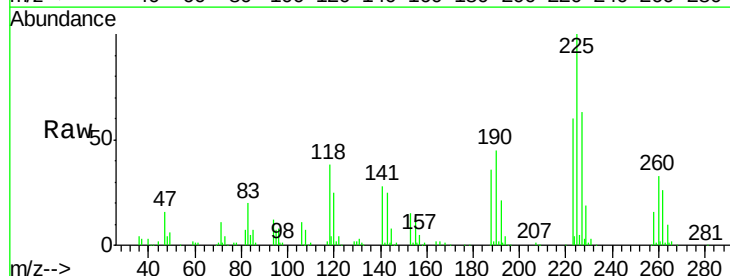


Time-->

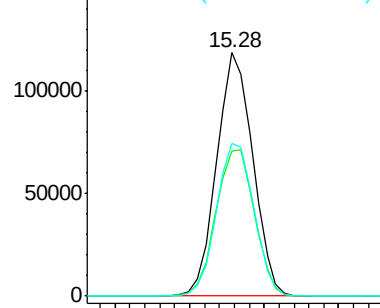


#94
 Hexachlorobutadiene
 Concen: 48.052 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065573.D
 Acq: 31 Mar 2020 18:37

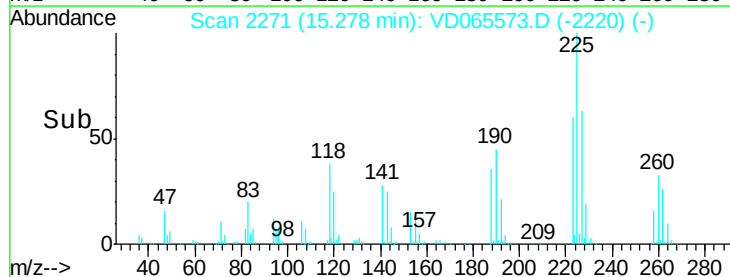
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.2	93.6
227	65.1	32.3	96.9

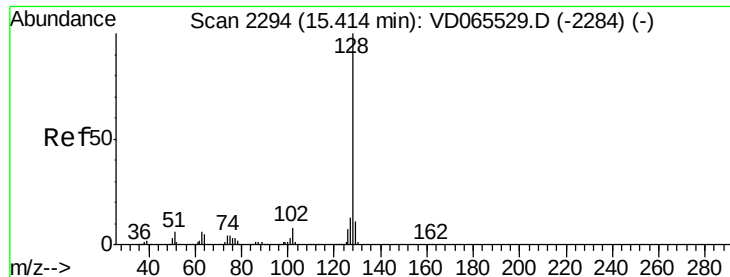


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

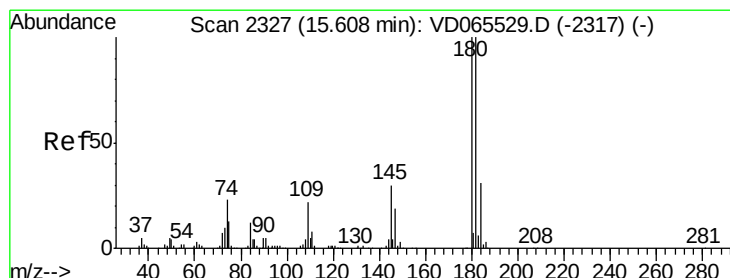
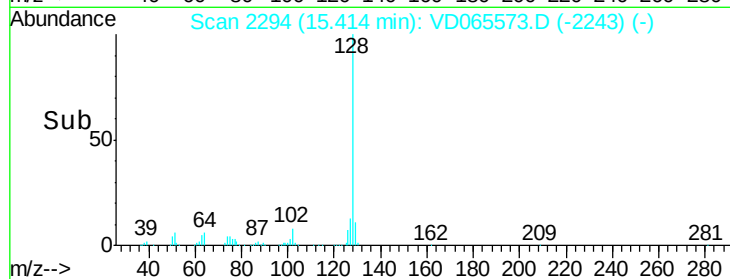
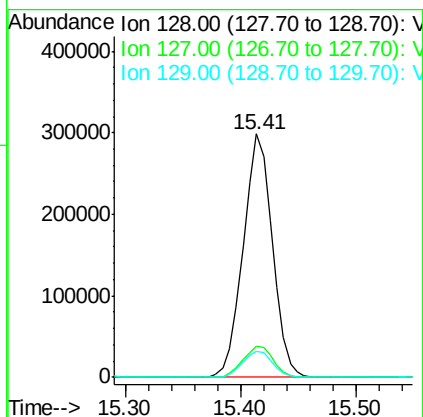
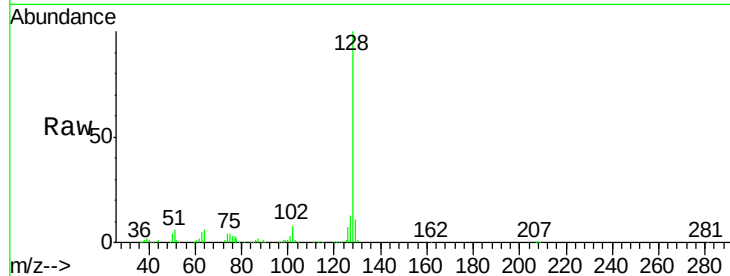




#95
Naphthalene
Concen: 48.831 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 525470
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.160 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065573.D
Acq: 31 Mar 2020 18:37

Tgt Ion:180 Resp: 283668
Ion Ratio Lower Upper
180 100
182 95.5 48.1 144.3
145 30.5 15.0 45.0

