

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065641.D
 Acq On : 17 Apr 2020 13:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 20 06:58:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	260846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168902	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	93499	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	
35) Dibromofluoromethane	7.92	113	97316	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	
50) Toluene-d8	10.34	98	377561	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.64	95	120878	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	103557	47.675	ug/l	98
3) Chloromethane	2.21	50	103559	43.687	ug/l	99
4) Vinyl Chloride	2.35	62	120838	46.923	ug/l	98
5) Bromomethane	2.77	94	66827	47.778	ug/l	98
6) Chloroethane	2.92	64	70226	45.868	ug/l	99
7) Trichlorofluoromethane	3.27	101	161776	44.063	ug/l	100
8) Diethyl Ether	3.71	74	32264	42.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	77226	46.141	ug/l	99
10) Methyl Iodide	4.29	142	119176	43.894	ug/l	95
11) Tert butyl alcohol	5.24	59	23739	206.727	ug/l	98
12) 1,1-Dichloroethene	4.06	96	68902	45.798	ug/l	98
13) Acrolein	3.93	56	24757	252.096	ug/l	100
14) Allyl chloride	4.71	41	161008	54.585	ug/l	91
15) Acrylonitrile	5.43	53	103203	227.253	ug/l	97
16) Acetone	4.16	43	93269	293.903	ug/l	97
17) Carbon Disulfide	4.40	76	349785	52.452	ug/l	99
18) Methyl Acetate	4.72	43	51091	45.047	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	196591	46.144	ug/l	99
20) Methylene Chloride	4.96	84	109428	53.303	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	116923	48.096	ug/l	92
22) Diisopropyl ether	6.37	45	309931	44.635	ug/l	99
23) Vinyl Acetate	6.31	43	845109	209.444	ug/l	100
24) 1,1-Dichloroethane	6.26	63	192759	43.939	ug/l	99
25) 2-Butanone	7.22	43	137060	231.472	ug/l	98
26) 2,2-Dichloropropane	7.21	77	172441	45.098	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	119233	44.210	ug/l	99
28) Bromochloromethane	7.55	49	77470	44.216	ug/l	99
29) Tetrahydrofuran	7.57	42	81565	217.100	ug/l	98
30) Chloroform	7.71	83	190737	42.482	ug/l	97
31) Cyclohexane	7.98	56	185586	44.410	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	179320	44.420	ug/l	100
36) 1,1-Dichloropropene	8.11	75	159730	46.582	ug/l	100
37) Ethyl Acetate	7.30	43	59839	43.759	ug/l	98
38) Carbon Tetrachloride	8.10	117	168558	45.891	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	193259	48.433	ug/l	99
40) Benzene	8.35	78	440899	44.721	ug/l	96
41) Methacrylonitrile	7.53	41	30304	44.744	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	119804	44.340	ug/l	100
43) Isopropyl Acetate	8.46	43	106576	43.280	ug/l	99
44) Trichloroethene	9.11	130	124594	45.147	ug/l	94
45) 1,2-Dichloropropane	9.39	63	108500	44.842	ug/l	100
46) Dibromomethane	9.48	93	54175	43.297	ug/l	99
47) Bromodichloromethane	9.66	83	144707	43.431	ug/l	98
48) Methyl methacrylate	9.46	41	52145	39.944	ug/l	95
49) 1,4-Dioxane	9.47	88	12304	813.783	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	280362	205.702	ug/l	99
52) Toluene	10.40	92	283358	46.623	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	133295	43.570	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	164965	44.554	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	75174	42.476	ug/l	97
56) Ethyl methacrylate	10.67	69	86061	39.621	ug/l	98
57) 1,3-Dichloropropane	10.95	76	130539	43.317	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	217630	206.940	ug/l	99
59) 2-Hexanone	10.99	43	204682	218.072	ug/l	98
60) Dibromochloromethane	11.14	129	100606	43.161	ug/l	100
61) 1,2-Dibromoethane	11.25	107	72289	42.450	ug/l	99
64) Tetrachloroethene	10.88	164	108020	45.973	ug/l	99
65) Chlorobenzene	11.67	112	297178	45.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	111348	44.918	ug/l	99
67) Ethyl Benzene	11.75	91	528447	47.692	ug/l	97
68) m/p-Xylenes	11.86	106	419715	98.047	ug/l	98
69) o-Xylene	12.18	106	180059	47.939	ug/l	99
70) Styrene	12.20	104	324195	48.762	ug/l	99
71) Bromoform	12.37	173	61536	44.186	ug/l #	98
73) Isopropylbenzene	12.48	105	504437	49.518	ug/l	100
74) N-amyl acetate	12.30	43	98055	41.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79883	43.187	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	107096	78.862	ug/l #	100
77) Bromobenzene	12.77	156	121743	45.004	ug/l	99
78) n-propylbenzene	12.83	91	609148	49.430	ug/l	100
79) 2-Chlorotoluene	12.91	91	330442	47.217	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	420975	48.969	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	28844	46.550	ug/l	97
82) 4-Chlorotoluene	13.01	91	356597	47.351	ug/l	99
83) tert-Butylbenzene	13.23	119	349190	48.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	421930	49.230	ug/l	99
85) sec-Butylbenzene	13.41	105	506020	49.070	ug/l	100
86) p-Isopropyltoluene	13.53	119	478699	49.462	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	240197	45.349	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	238239	45.190	ug/l	99
89) n-Butylbenzene	13.85	91	433344	49.334	ug/l	100
90) Hexachloroethane	14.12	117	93285	45.961	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	204092	44.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12697	45.390	ug/l	91

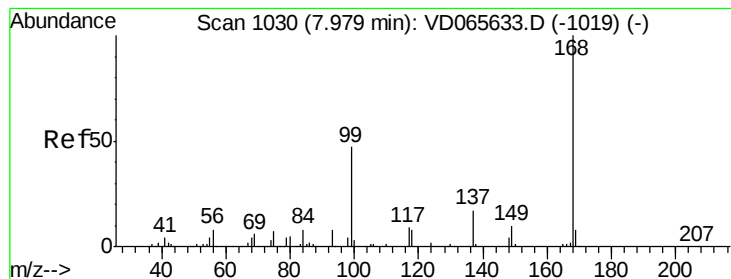
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145003	46.420	ug/l	98
94) Hexachlorobutadiene	15.28	225	99734	46.566	ug/l	99
95) Naphthalene	15.41	128	212675	40.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	126346	45.846	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

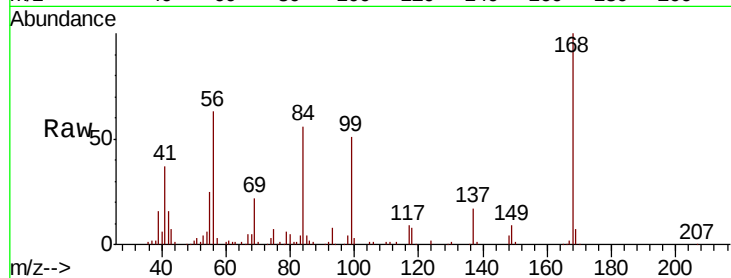
VSTDCCC050

Tot Ion:168 Resp: 260846

Ion Ratio Lower Upper

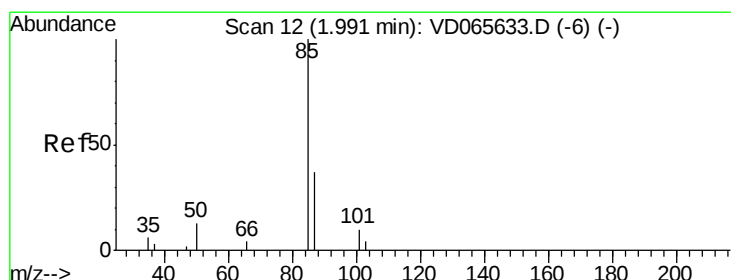
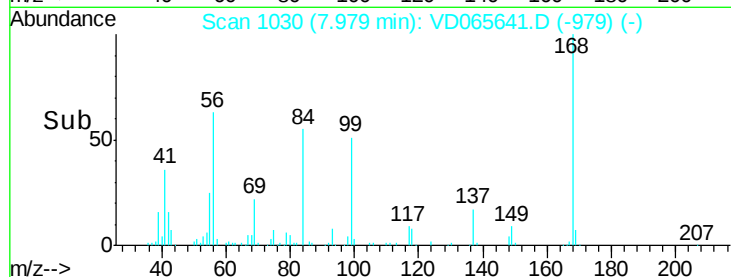
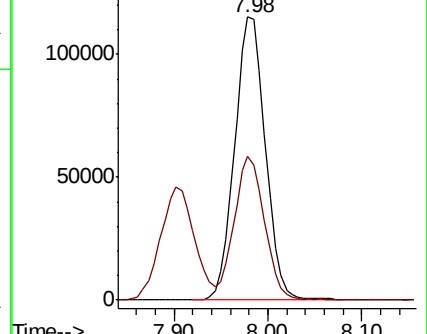
168 100

99 50.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.675 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065641.D

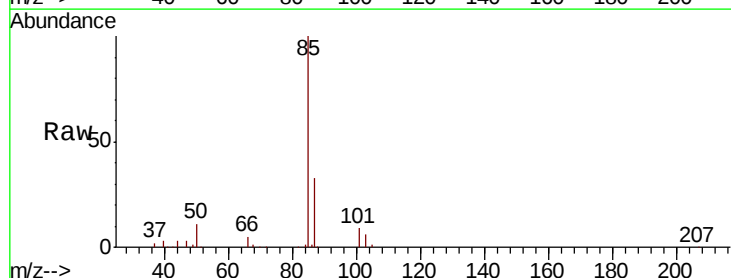
Acq: 17 Apr 2020 13:16

Tgt Ion: 85 Resp: 103557

Ion Ratio Lower Upper

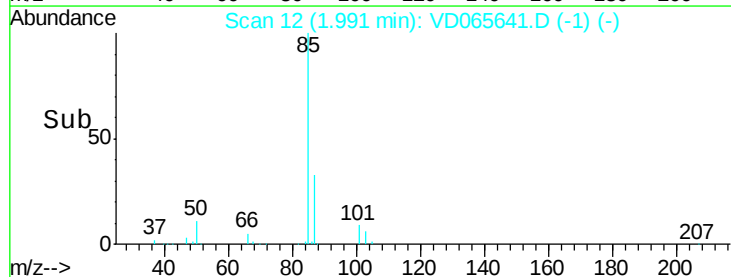
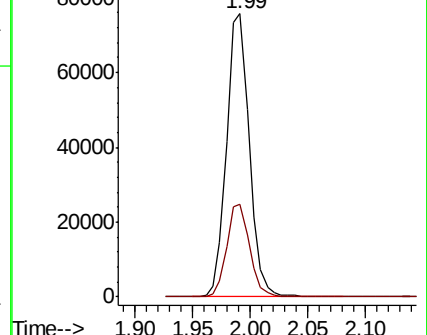
85 100

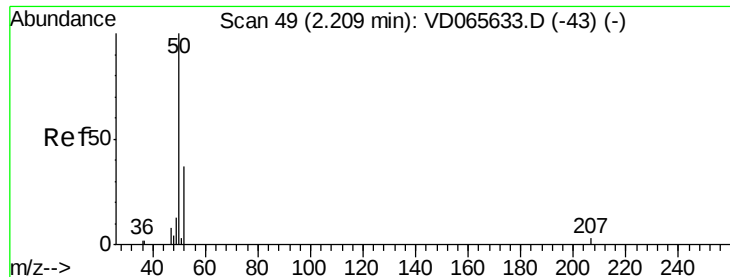
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.687 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

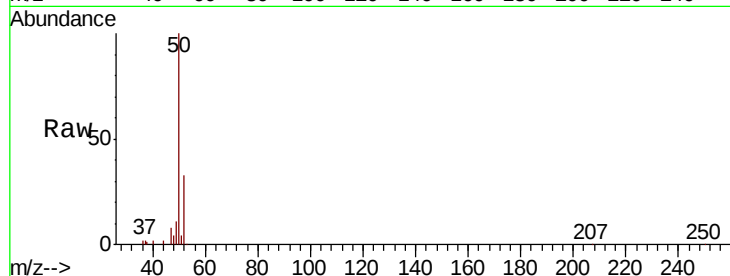
VSTDCCC050

Tot Ion: 50 Resp: 103559

Ion Ratio Lower Upper

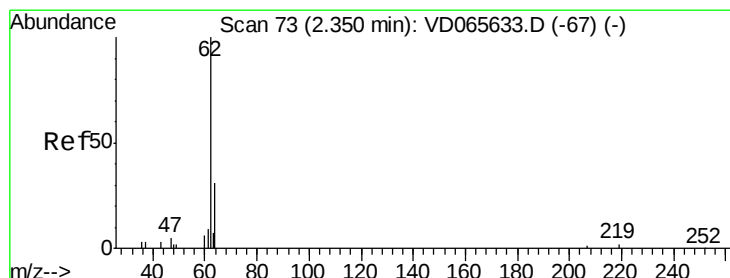
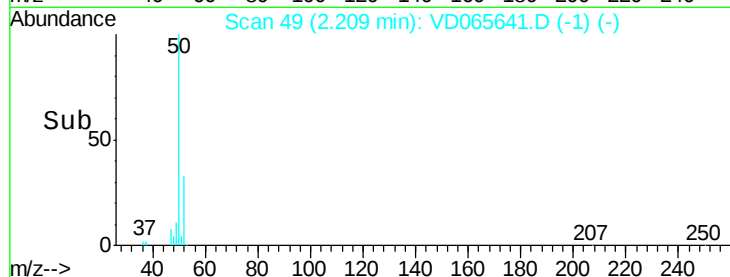
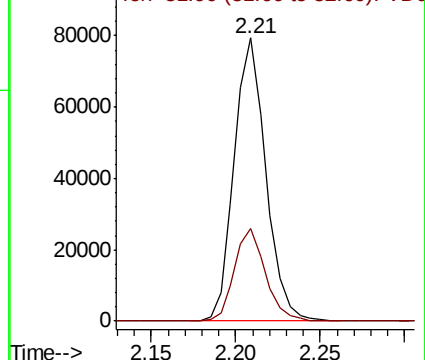
50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.923 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065641.D

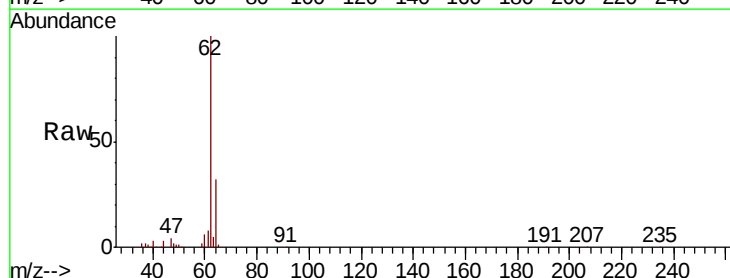
Acq: 17 Apr 2020 13:16

Tgt Ion: 62 Resp: 120838

Ion Ratio Lower Upper

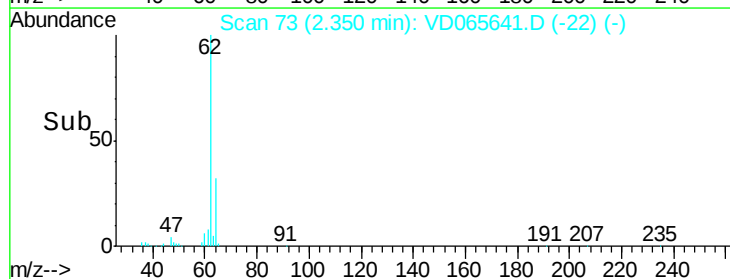
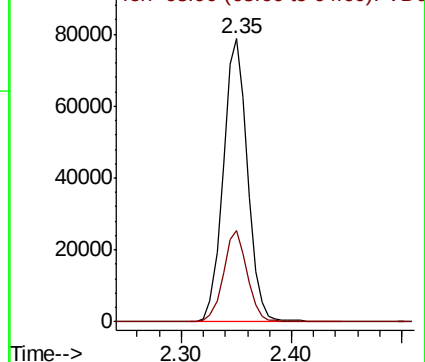
62 100

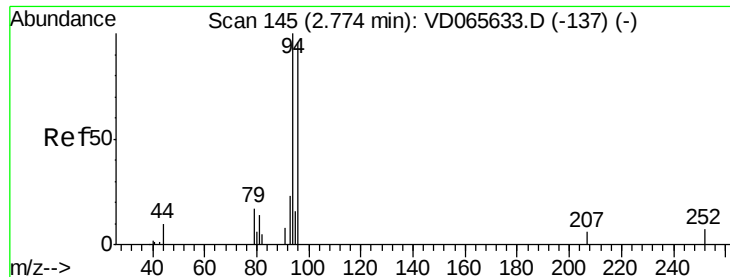
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.778 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

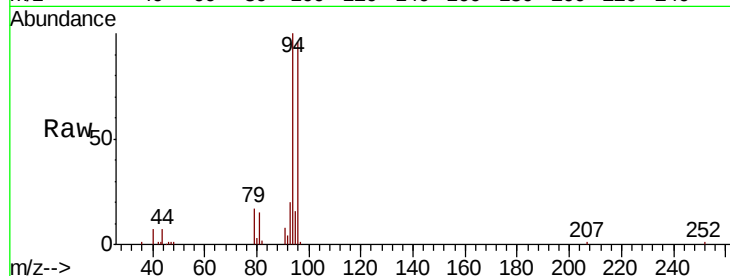
VSTDCCC050

Tot Ion: 94 Resp: 66827

Ion Ratio Lower Upper

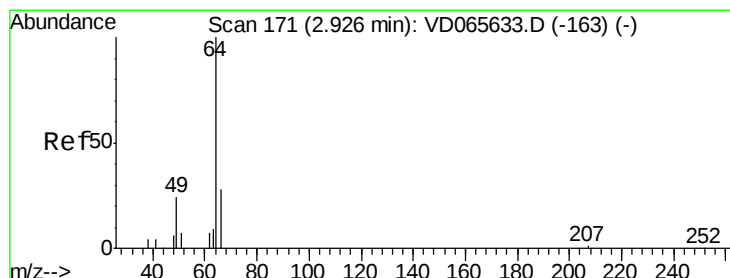
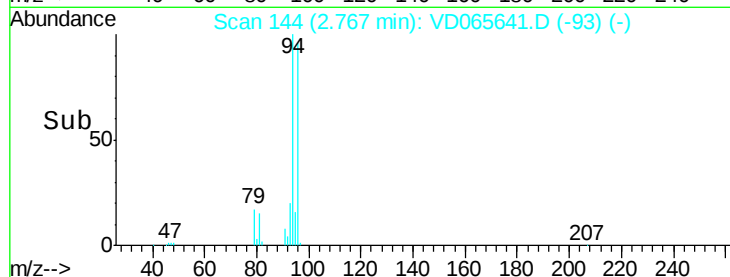
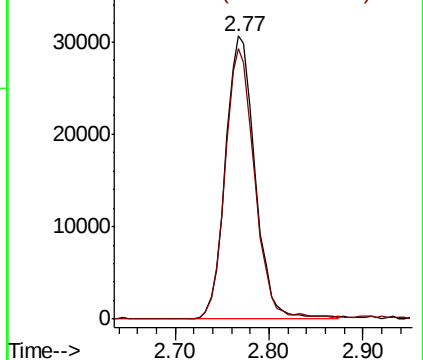
94 100

96 95.6 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.868 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065641.D

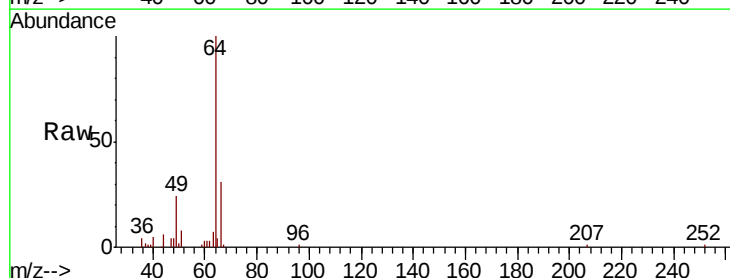
Acq: 17 Apr 2020 13:16

Tgt Ion: 64 Resp: 70226

Ion Ratio Lower Upper

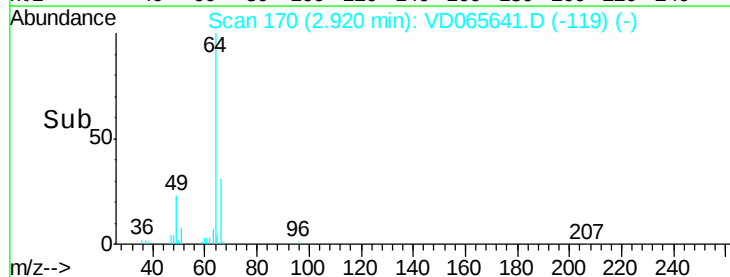
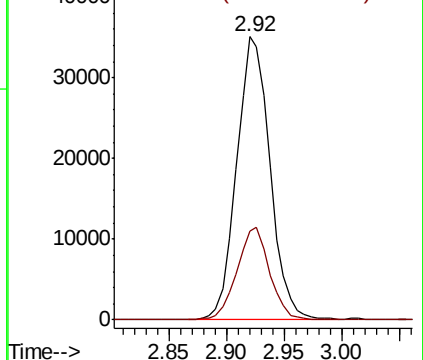
64 100

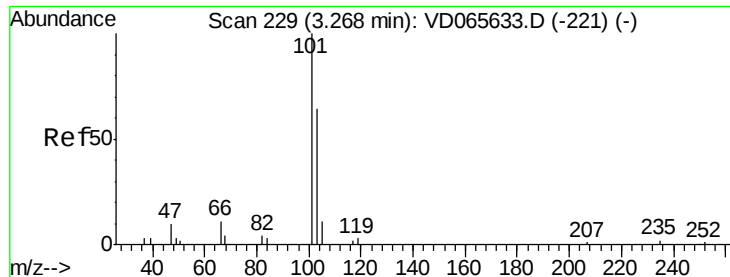
66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



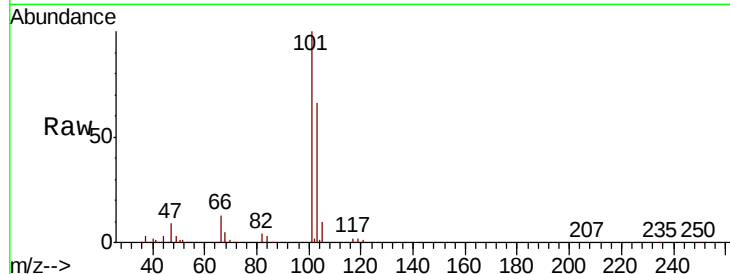


#7

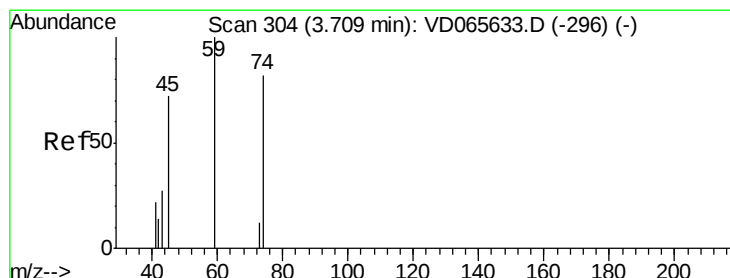
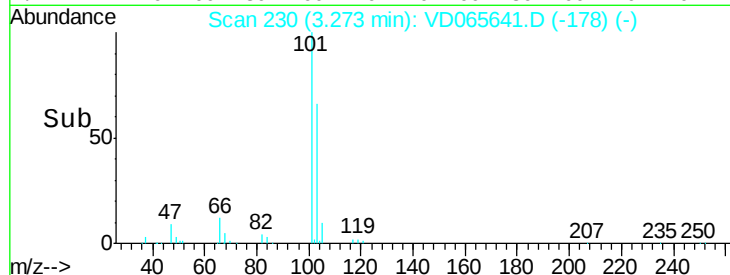
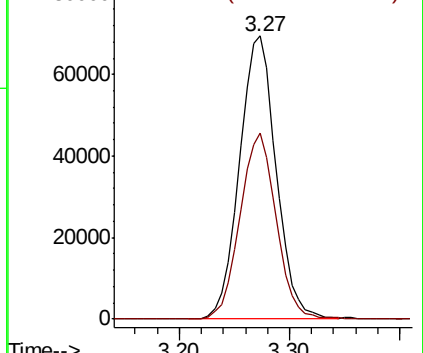
Trichlorofluoromethane
 Concen: 44.063 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 161776
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4



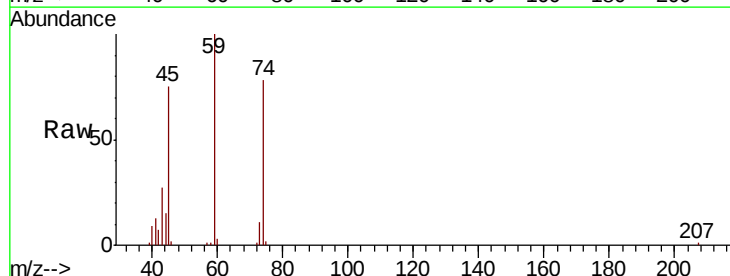
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



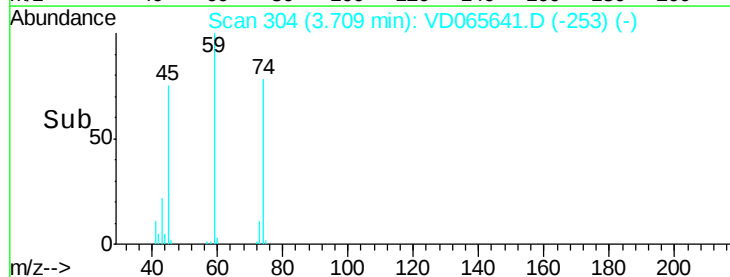
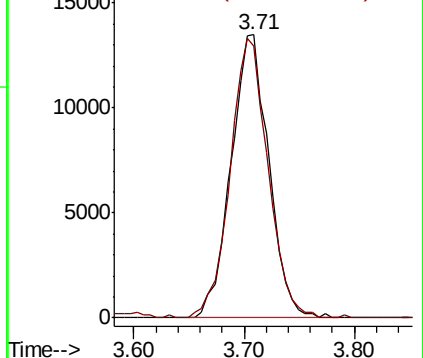
#8

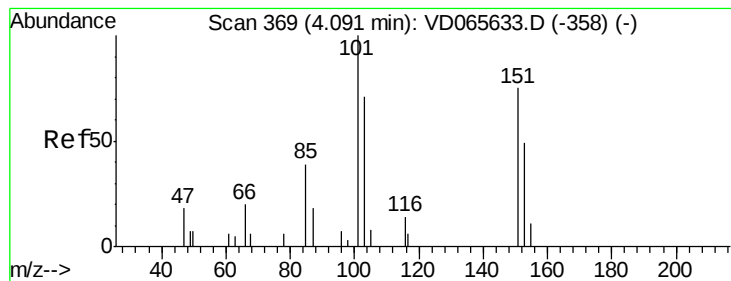
Diethyl Ether
 Concen: 42.783 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 74 Resp: 32264
 Ion Ratio Lower Upper
 74 100
 45 99.0 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.141 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

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VSTDCCC050

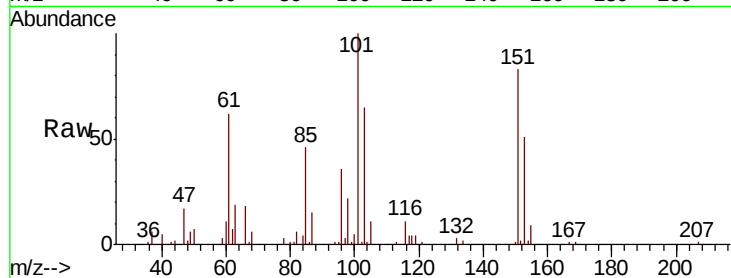
Tot Ion:101 Resp: 77226

Ion Ratio Lower Upper

101 100

85 44.6 36.2 54.2

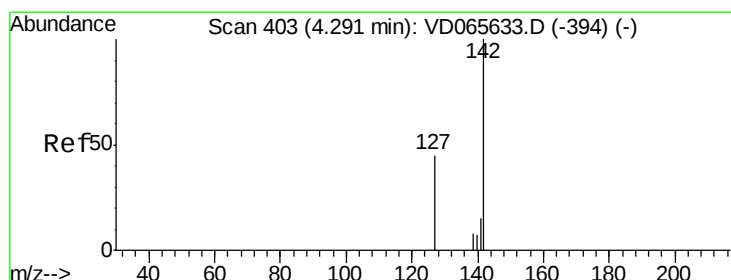
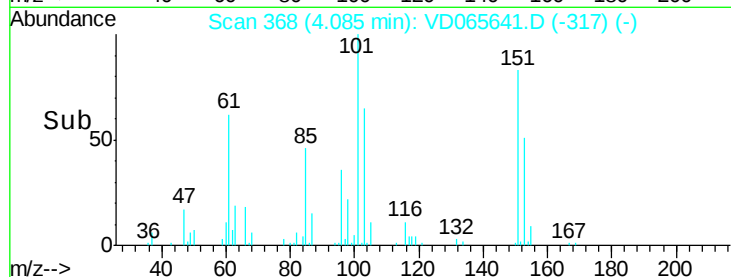
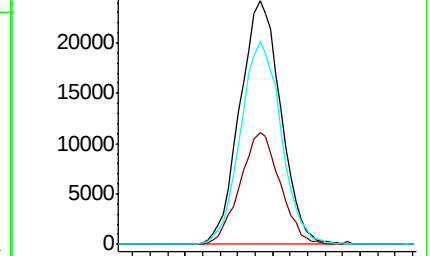
151 82.6 65.6 98.4



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: 43.894 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

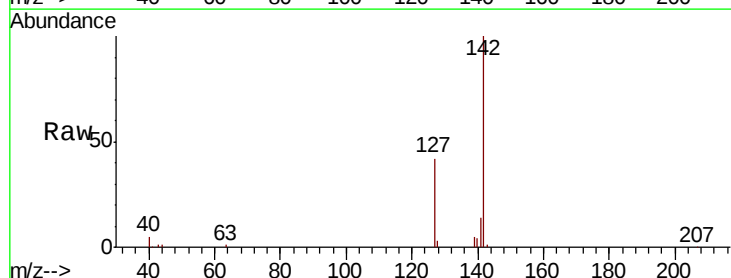
Tgt Ion:142 Resp: 119176

Ion Ratio Lower Upper

142 100

127 43.0 38.1 57.1

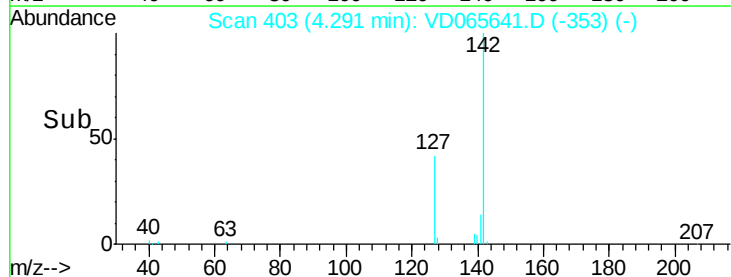
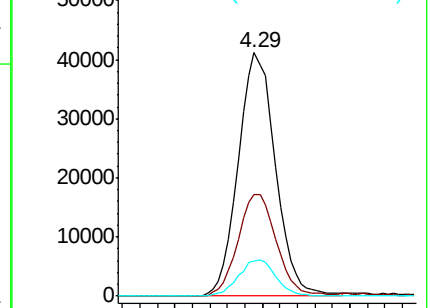
141 14.9 12.1 18.1

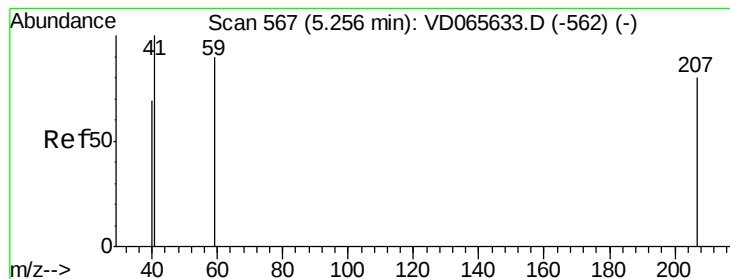


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



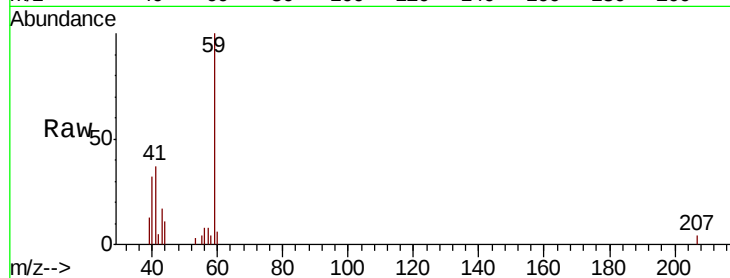


#11

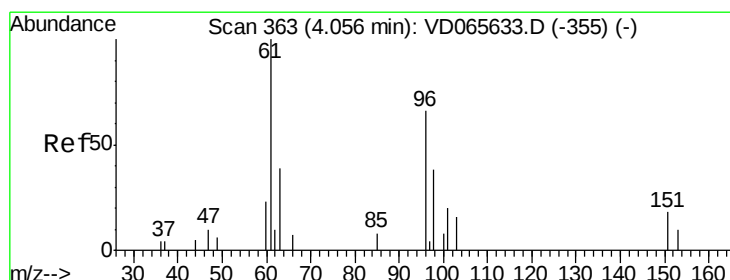
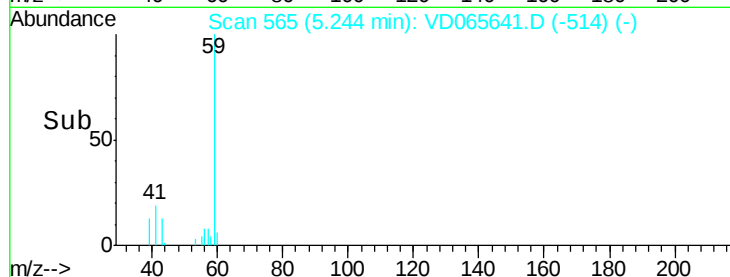
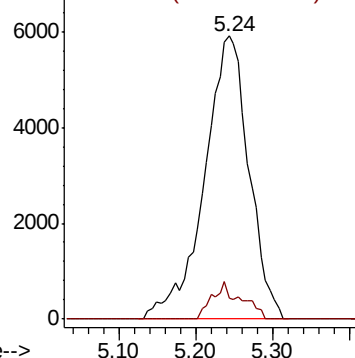
Tert butyl alcohol
 Concen: 206.727 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 23739
 Ion Ratio Lower Upper
 59 100
 57 8.6 7.4 11.2



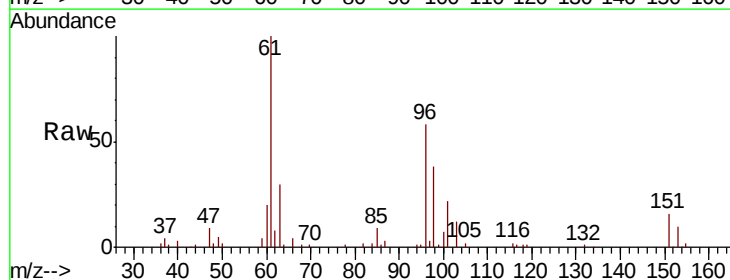
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



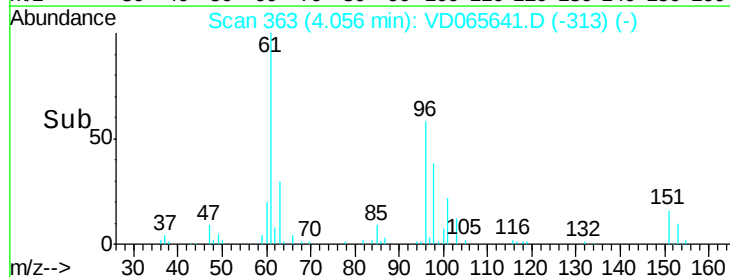
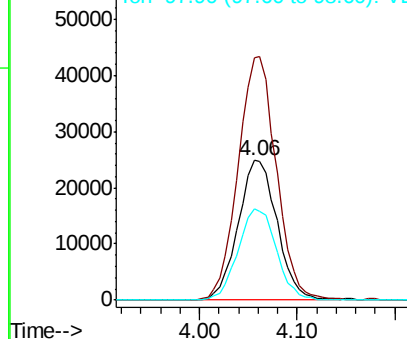
#12

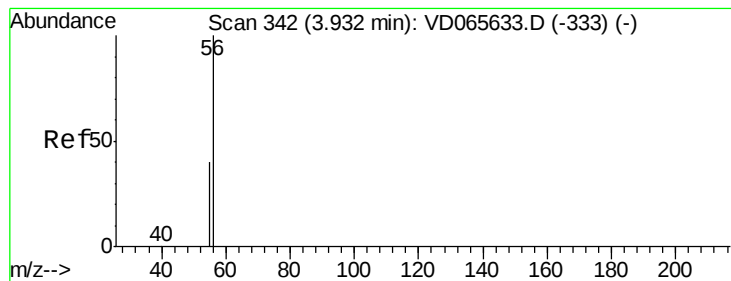
1,1-Dichloroethene
 Concen: 45.798 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 96 Resp: 68902
 Ion Ratio Lower Upper
 96 100
 61 173.4 136.2 204.2
 98 65.5 52.2 78.2



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





#13

Acrolein

Concen: 252.096 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

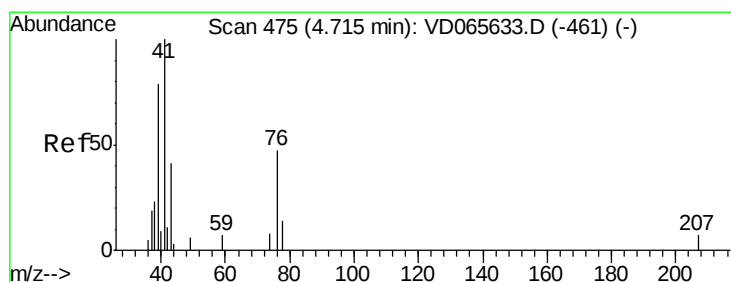
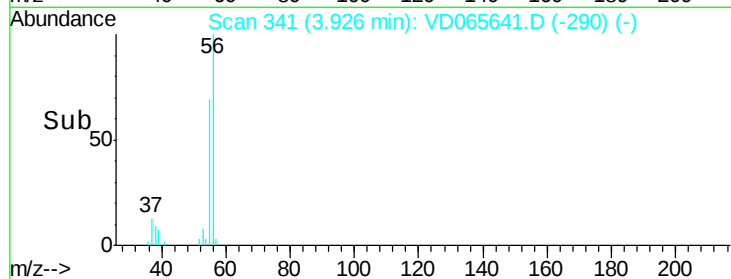
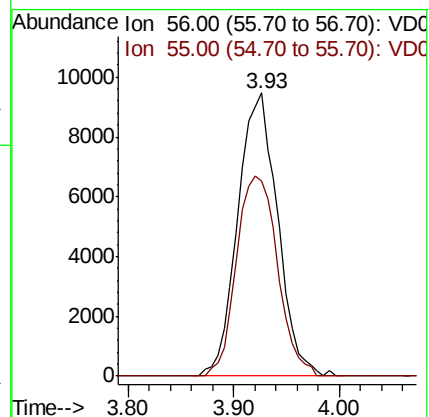
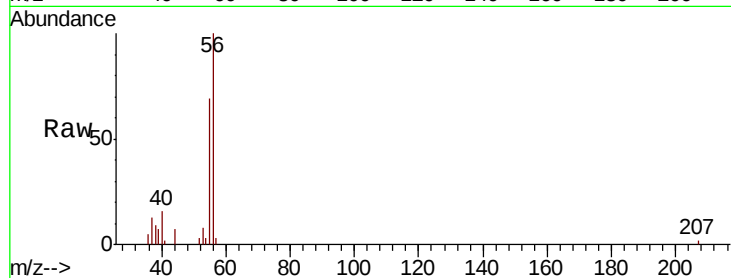
VSTDCCC050

Tot Ion: 56 Resp: 24757

Ion Ratio Lower Upper

56 100

55 72.9 58.2 87.2



#14

Allyl chloride

Concen: 54.585 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

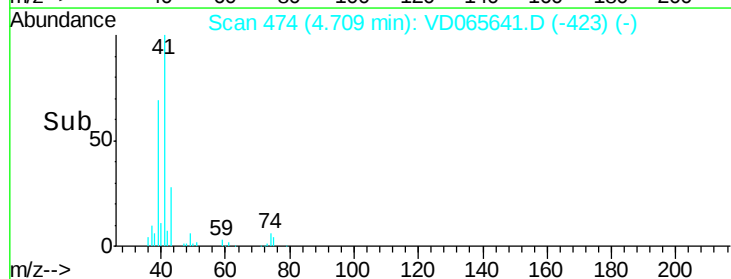
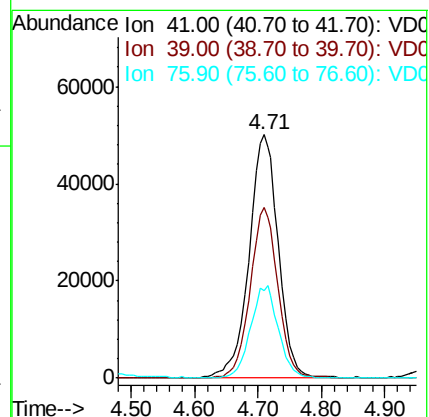
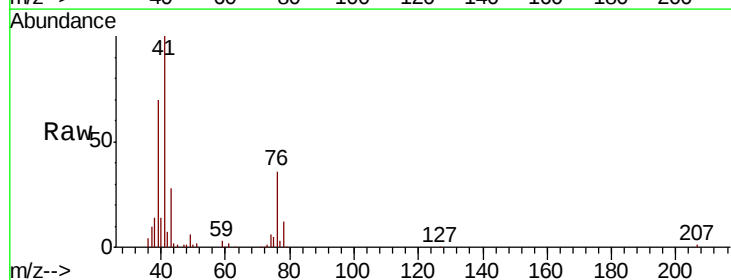
Tgt Ion: 41 Resp: 161008

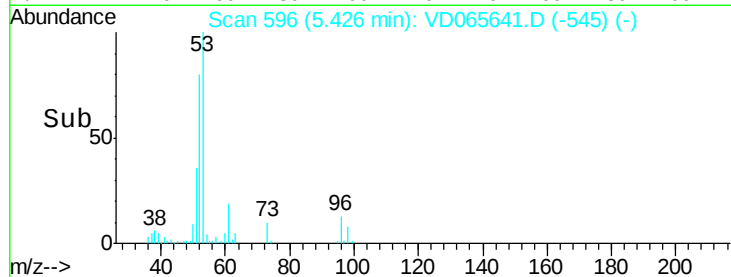
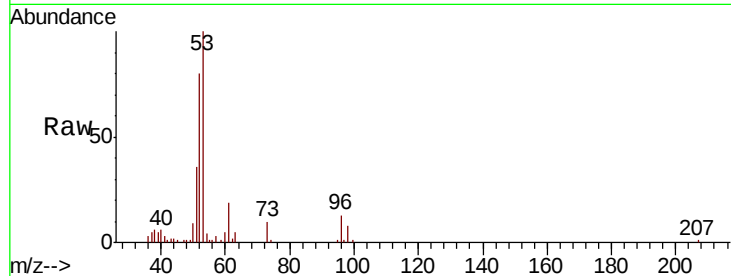
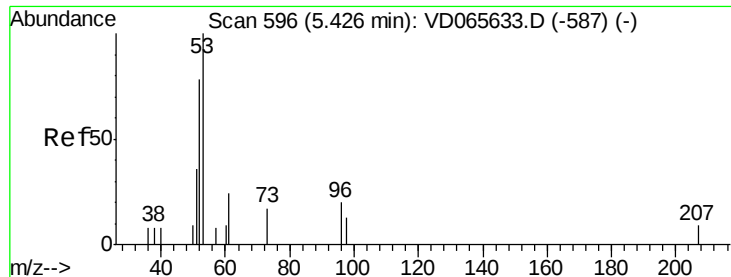
Ion Ratio Lower Upper

41 100

39 66.8 62.5 93.7

76 36.3 29.1 43.7





#15

Acrylonitrile

Concen: 227.253 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

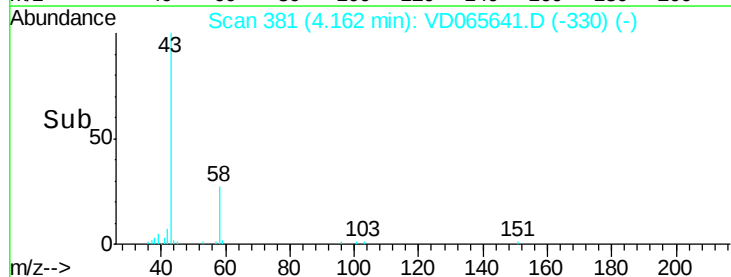
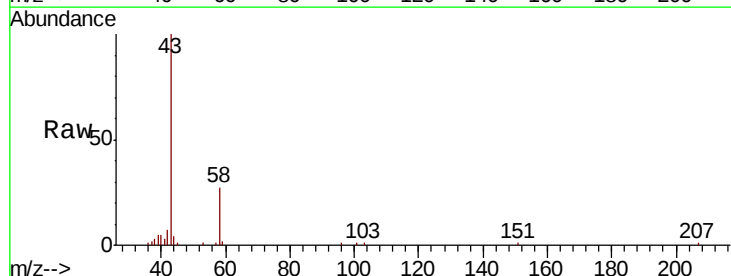
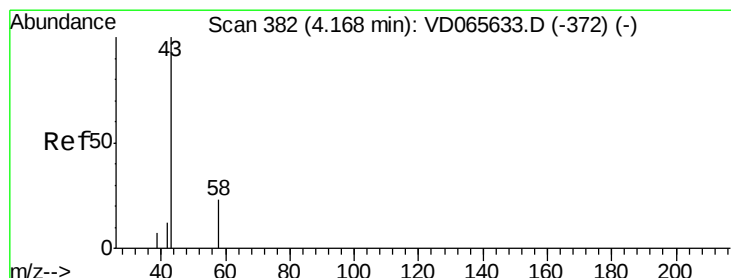
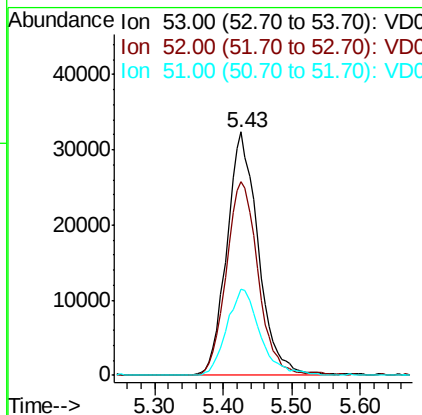
Tot Ion: 53 Resp: 103203

Ion Ratio Lower Upper

53 100

52 79.8 65.8 98.6

51 37.3 30.9 46.3



#16

Acetone

Concen: 293.903 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065641.D

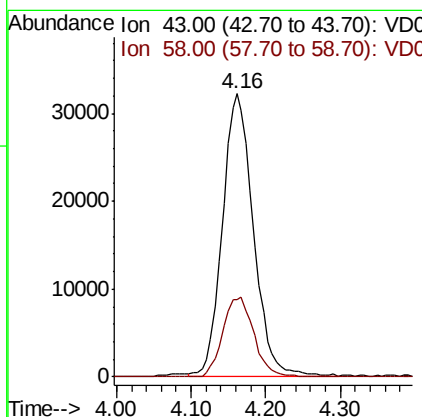
Acq: 17 Apr 2020 13:16

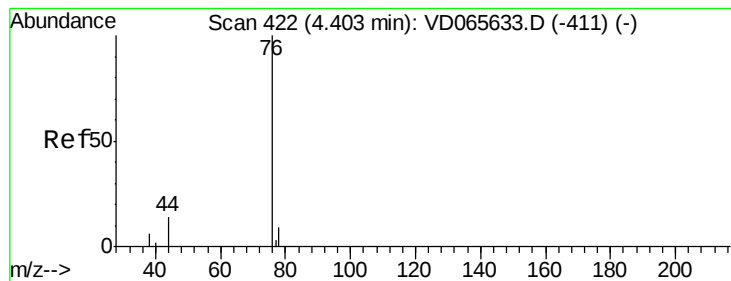
Tgt Ion: 43 Resp: 93269

Ion Ratio Lower Upper

43 100

58 27.2 22.9 34.3





#17

Carbon Disulfide

Concen: 52.452 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

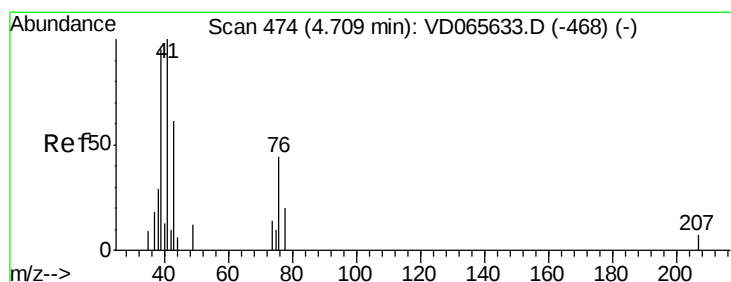
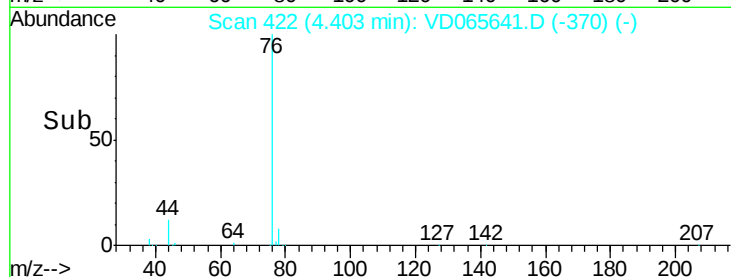
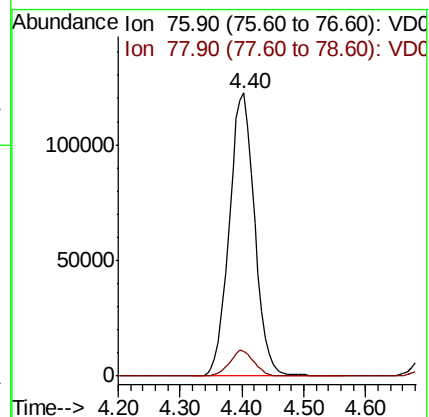
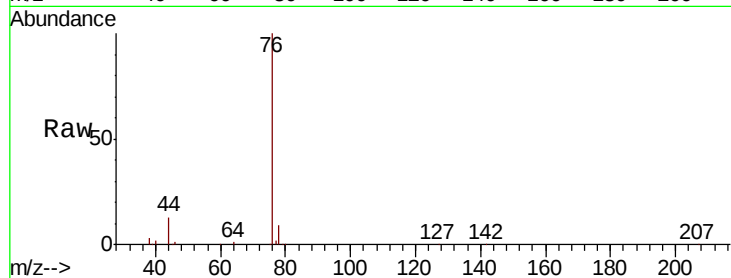
VSTDCCC050

Tot Ion: 76 Resp: 349785

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



#18

Methyl Acetate

Concen: 45.047 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065641.D

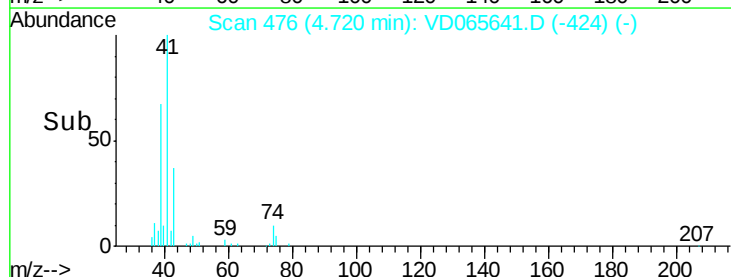
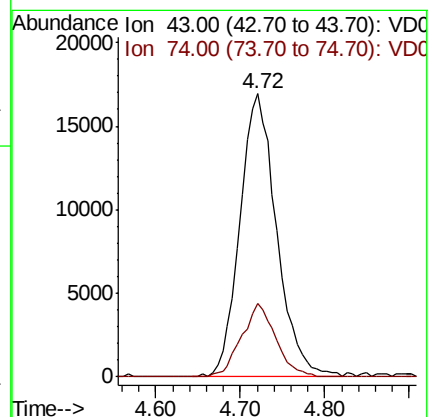
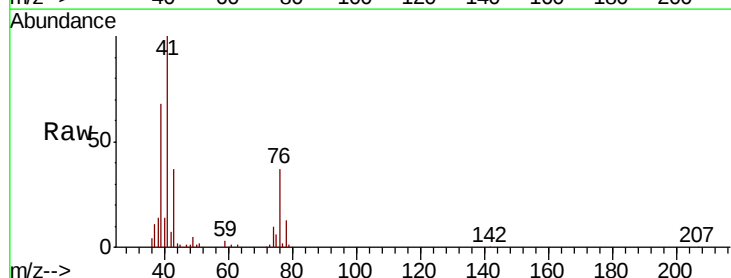
Acq: 17 Apr 2020 13:16

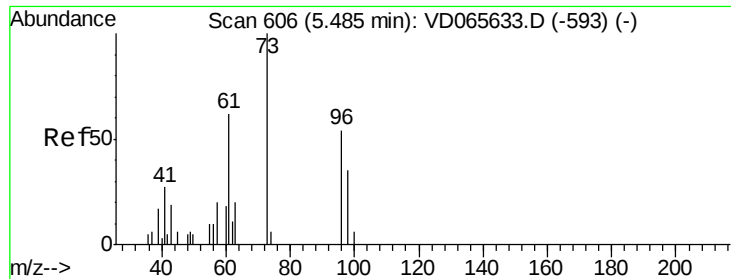
Tgt Ion: 43 Resp: 51091

Ion Ratio Lower Upper

43 100

74 24.1 18.6 28.0

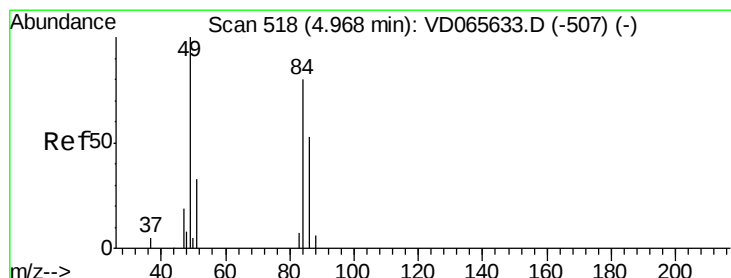
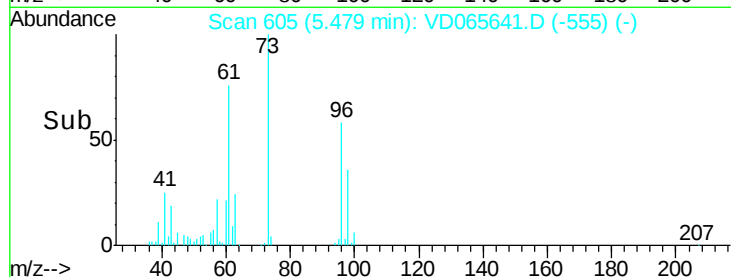
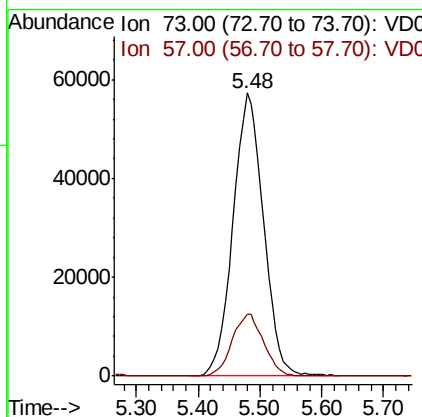
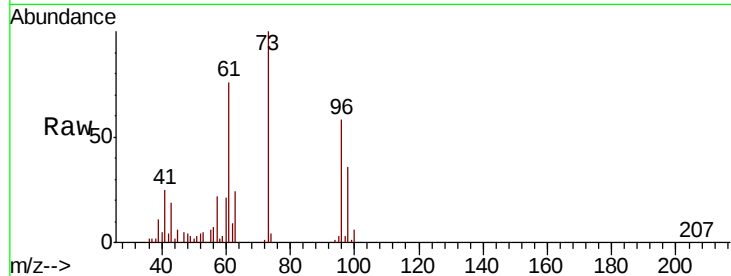




#19
Methyl tert-butyl Ether
Concen: 46.144 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

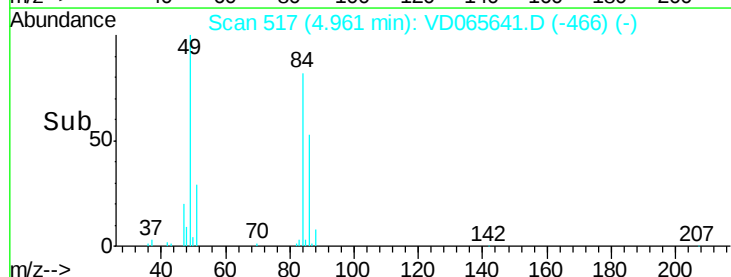
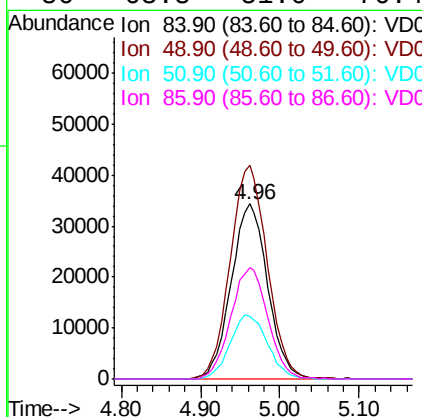
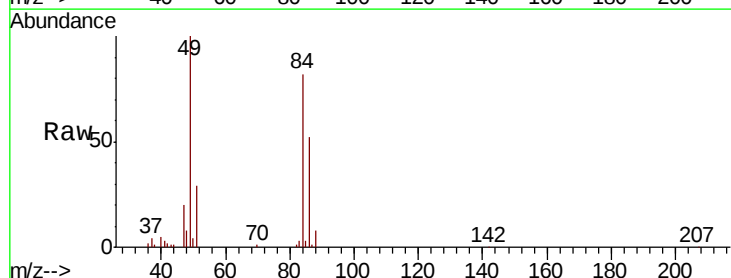
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

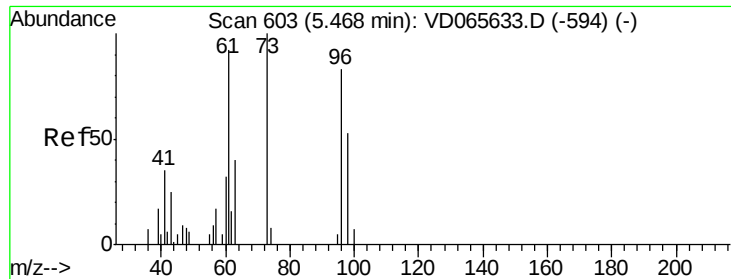
Tot Ion: 73 Resp: 196591
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 53.303 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 84 Resp: 109428
Ion Ratio Lower Upper
84 100
49 122.0 102.0 153.0
51 35.5 30.8 46.2
86 63.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 48.096 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

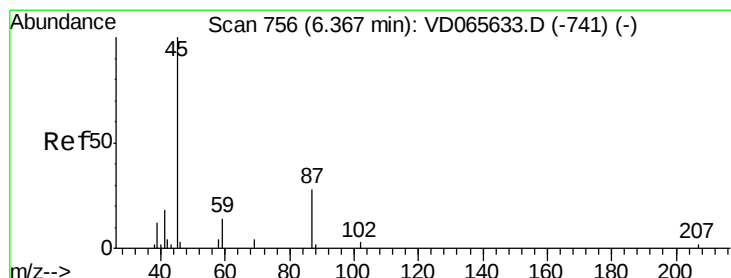
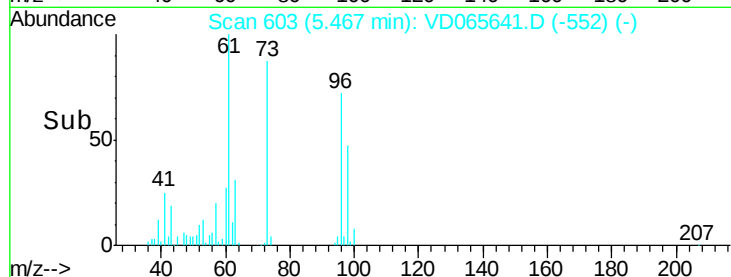
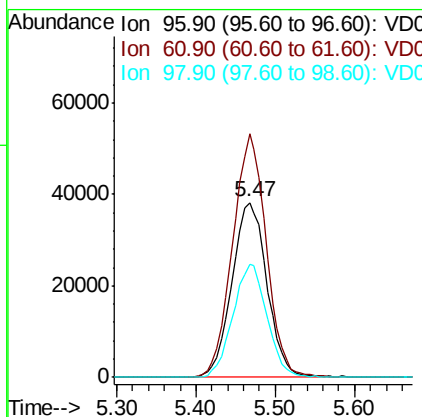
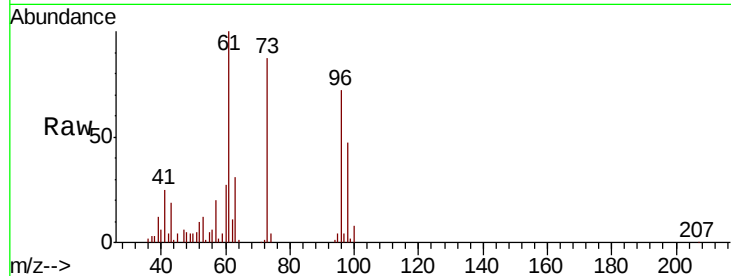
Tot Ion: 96 Resp: 116923

Ion Ratio Lower Upper

96 100

61 139.0 102.6 153.8

98 64.7 49.4 74.0



#22

Diisopropyl ether

Concen: 44.635 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion: 45 Resp: 309931

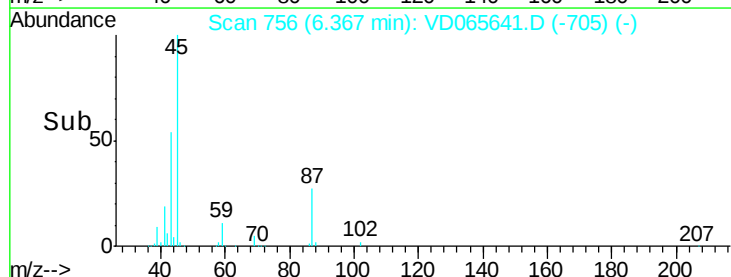
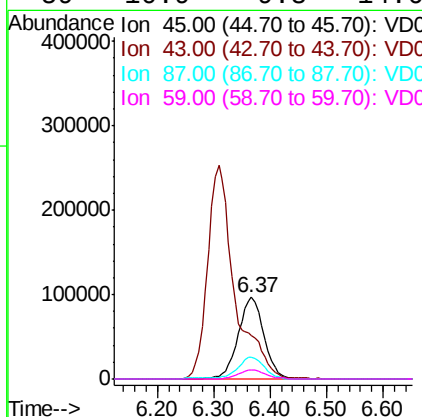
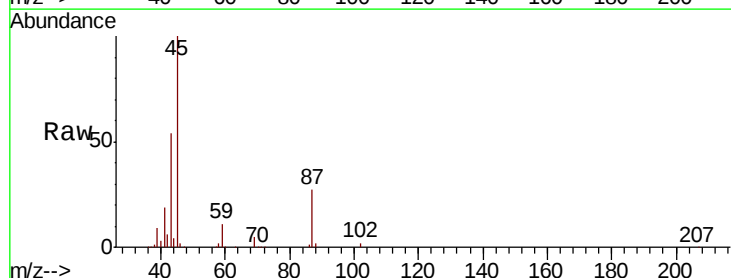
Ion Ratio Lower Upper

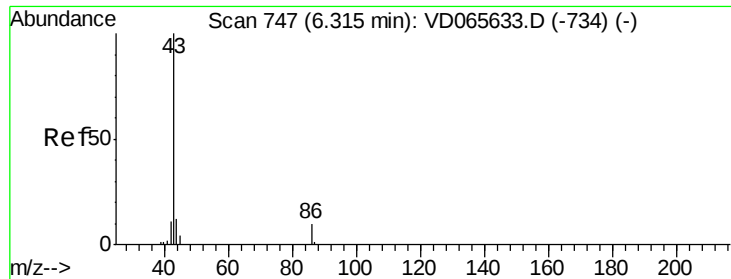
45 100

43 53.5 42.2 63.2

87 27.4 22.1 33.1

59 10.9 9.8 14.6





#23

Vinyl Acetate

Concen: 209.444 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

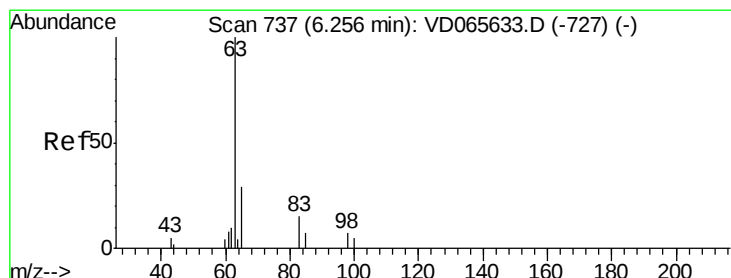
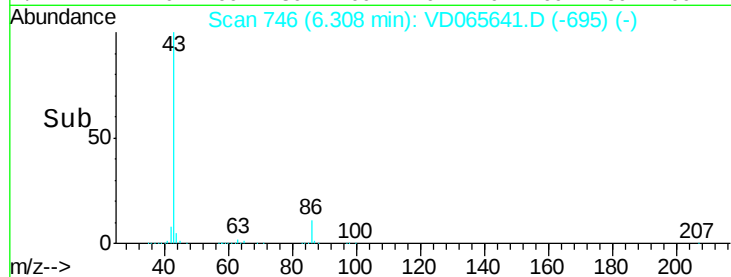
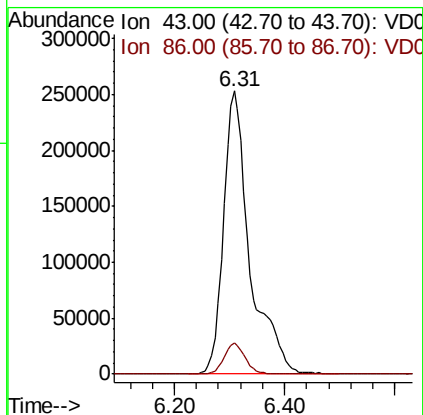
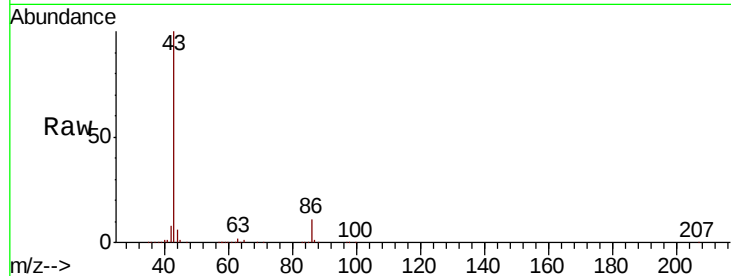
VSTDCCC050

Tot Ion: 43 Resp: 845109

Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



#24

1,1-Dichloroethane

Concen: 43.939 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

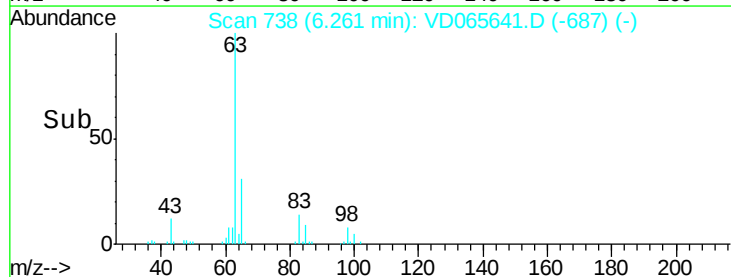
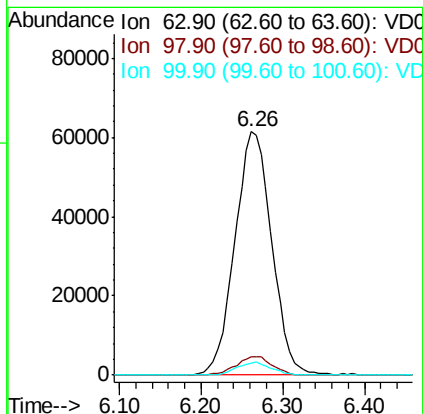
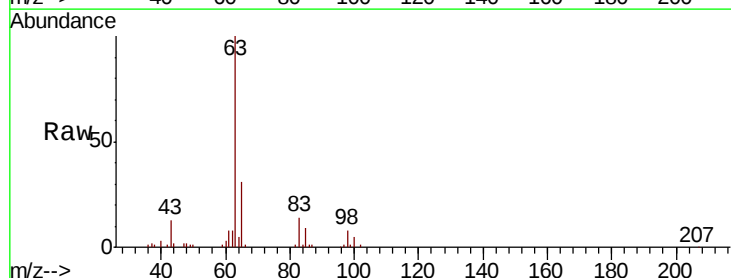
Tgt Ion: 63 Resp: 192759

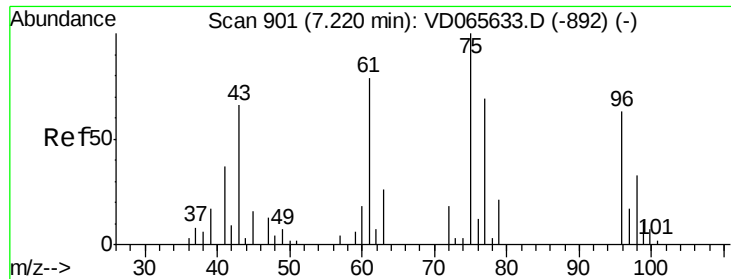
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

100 4.7 2.4 7.2

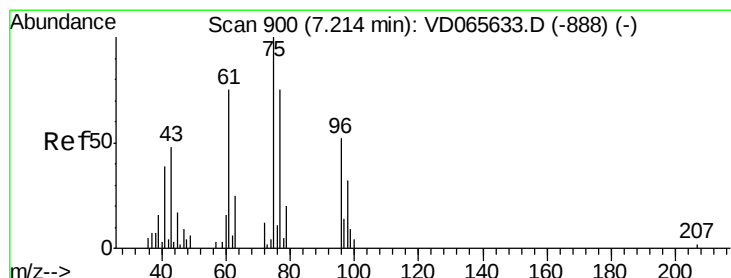
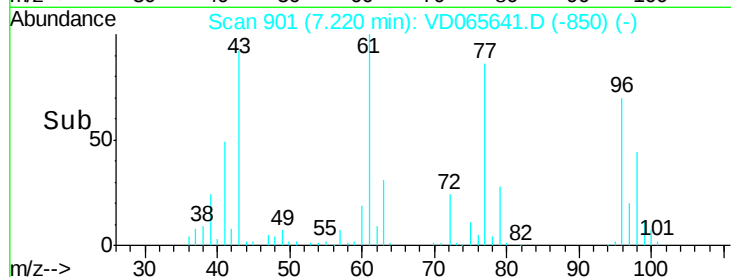
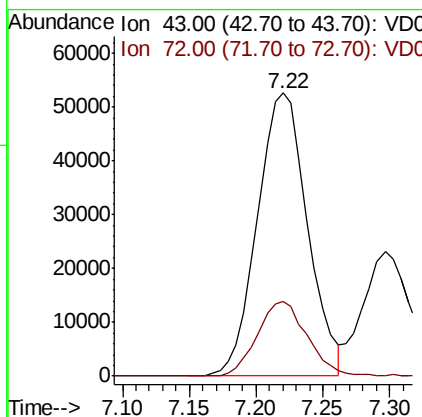
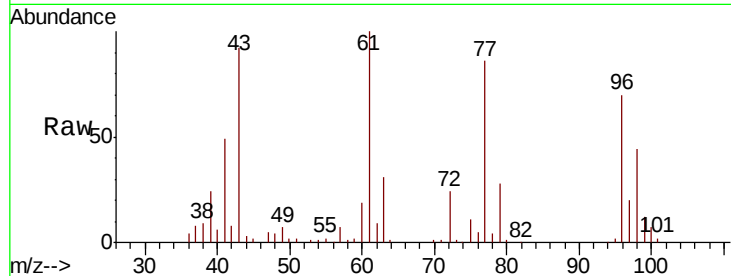




#25
2-Butanone
Concen: 231.472 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

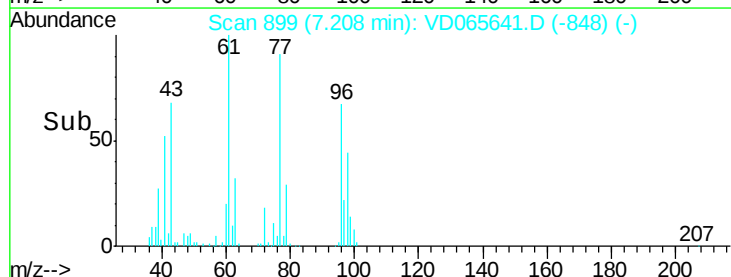
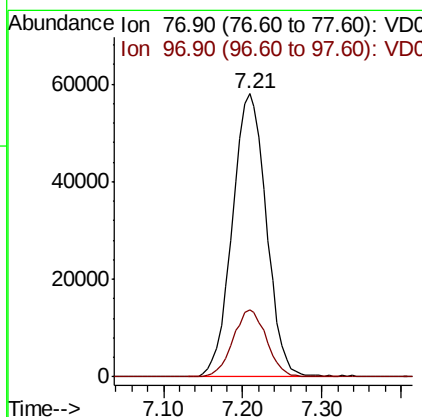
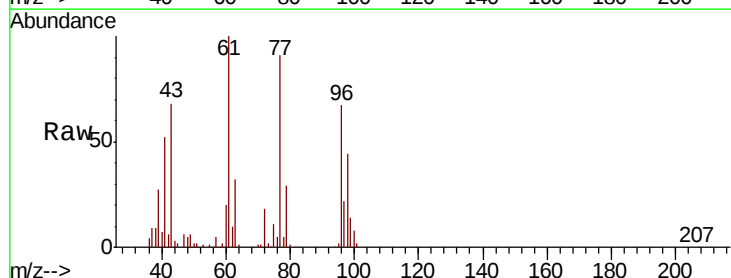
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

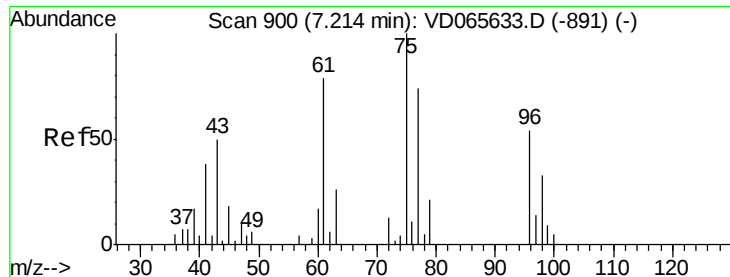
Tot Ion: 43 Resp: 137060
Ion Ratio Lower Upper
43 100
72 26.4 20.5 30.7



#26
2,2-Dichloropropane
Concen: 45.098 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 77 Resp: 172441
Ion Ratio Lower Upper
77 100
97 23.3 11.5 34.5



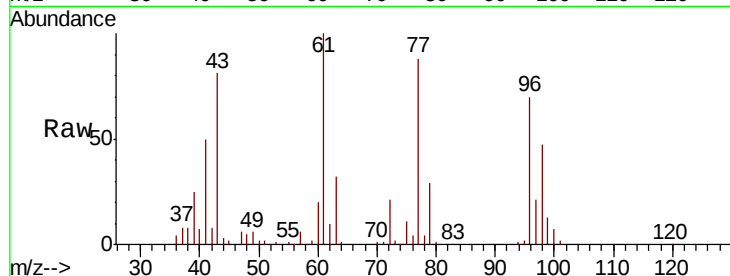


#27

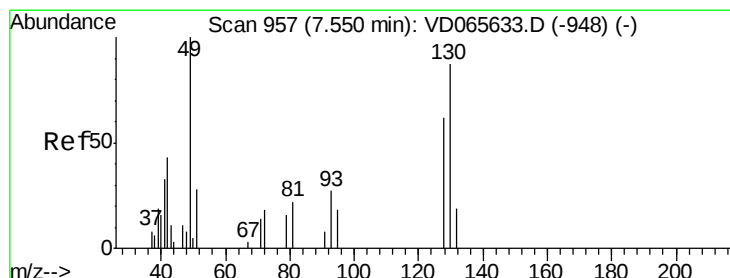
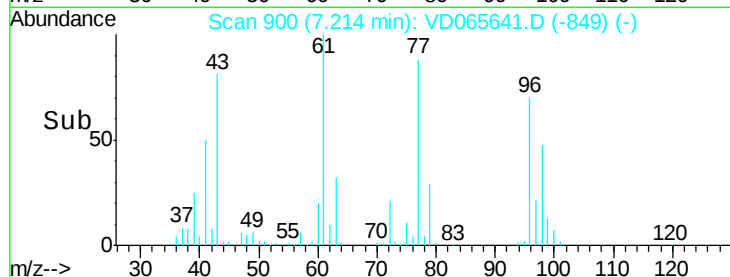
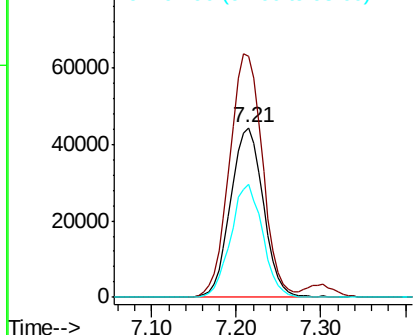
cis-1,2-Dichloroethene
Concen: 44.210 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 119233
Ion Ratio Lower Upper
96 100
61 144.4 0.0 286.2
98 64.3 0.0 128.0



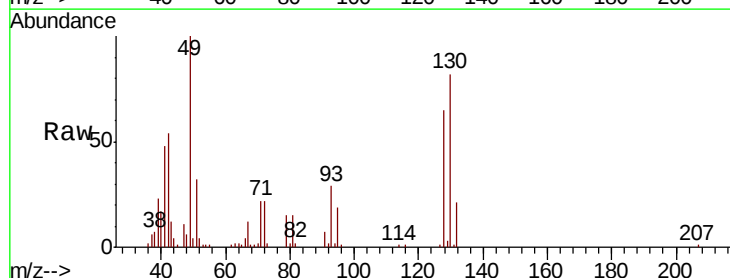
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



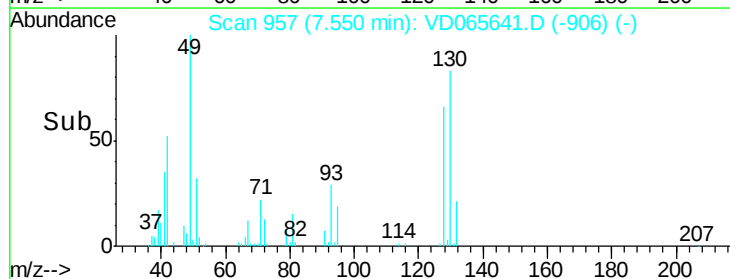
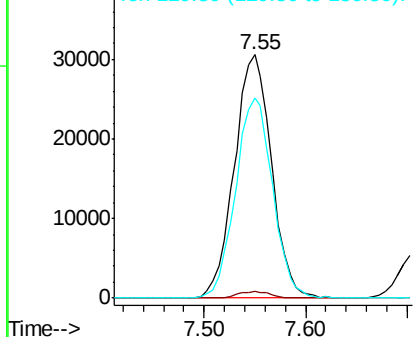
#28

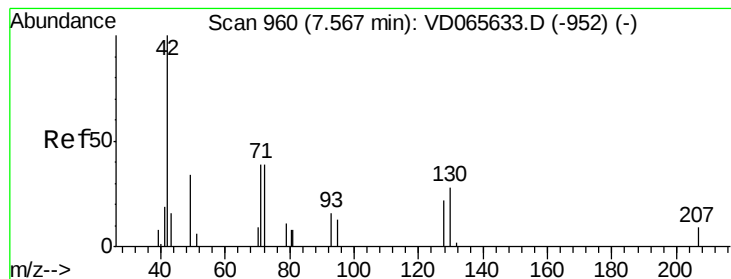
Bromochloromethane
Concen: 44.216 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 49 Resp: 77470
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 82.2 66.2 99.2



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





#29

Tetrahydrofuran

Concen: 217.100 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

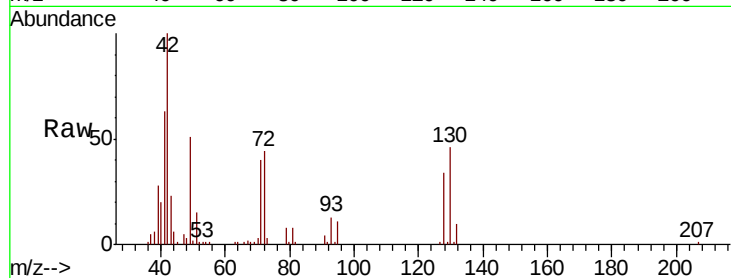
Tot Ion: 42 Resp: 81565

Ion Ratio Lower Upper

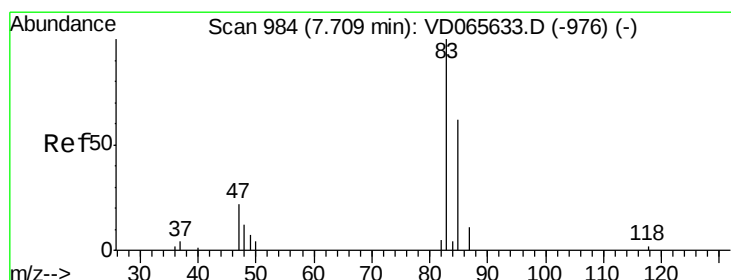
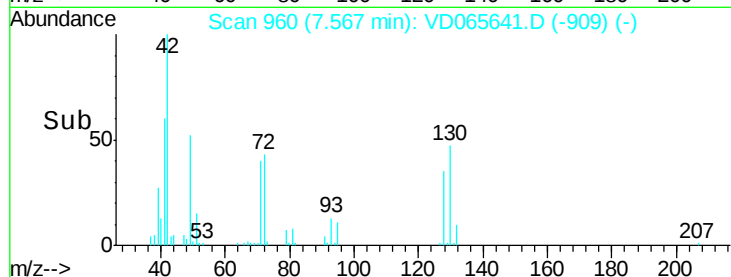
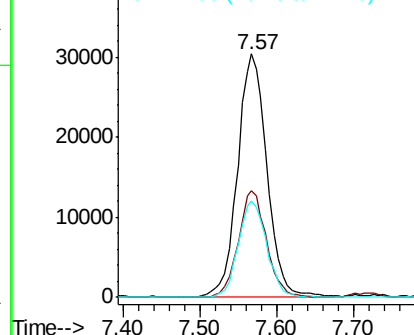
42 100

72 41.7 34.4 51.6

71 38.0 31.4 47.0



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: 42.482 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065641.D

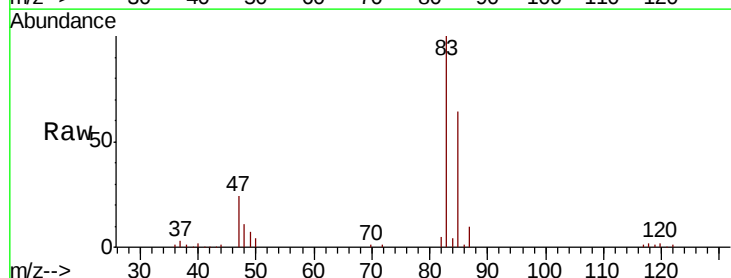
Acq: 17 Apr 2020 13:16

Tgt Ion: 83 Resp: 190737

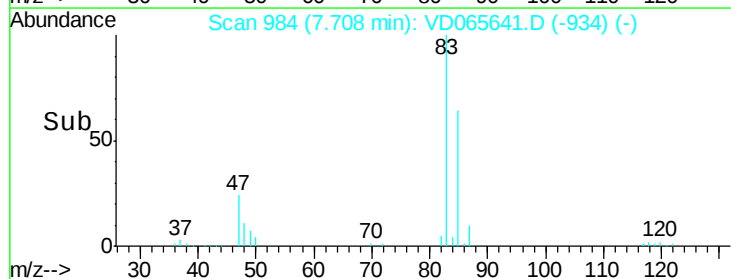
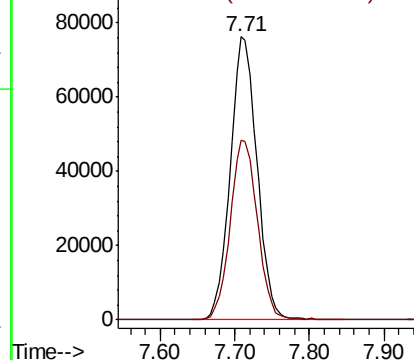
Ion Ratio Lower Upper

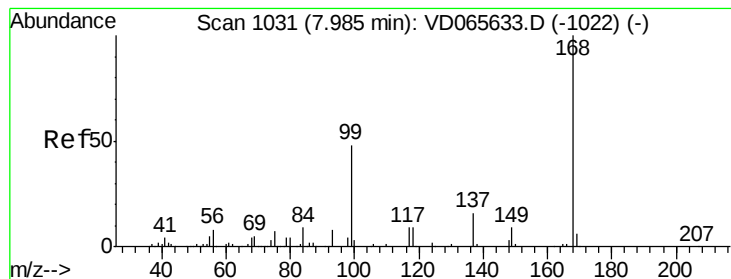
83 100

85 63.6 52.6 78.8



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





#31

Cyclohexane

Concen: 44.410 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

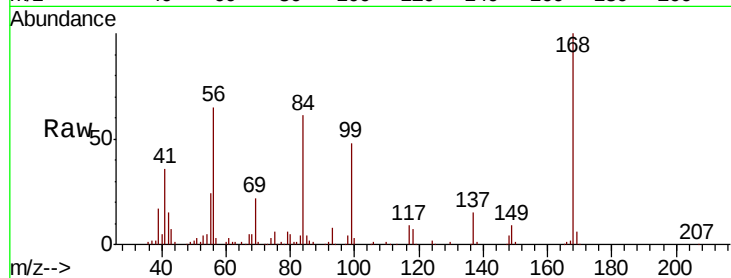
Tot Ion: 56 Resp: 185586

Ion Ratio Lower Upper

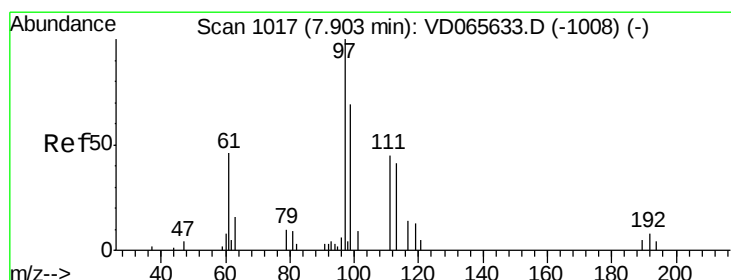
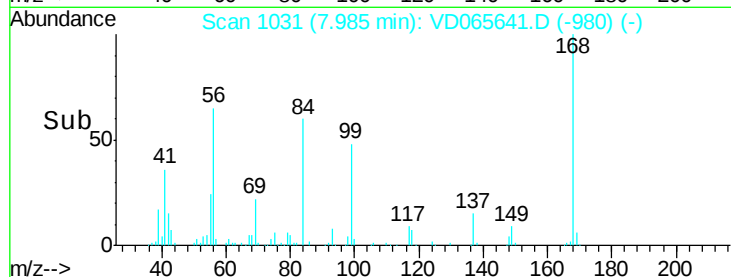
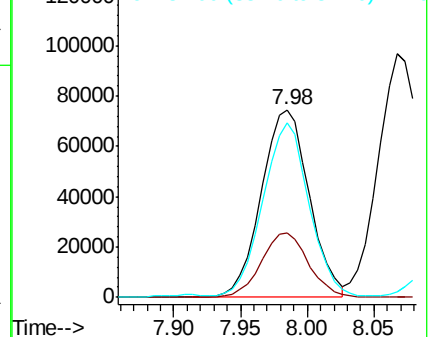
56 100

69 34.2 26.6 40.0

84 91.3 75.3 112.9



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: 44.420 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

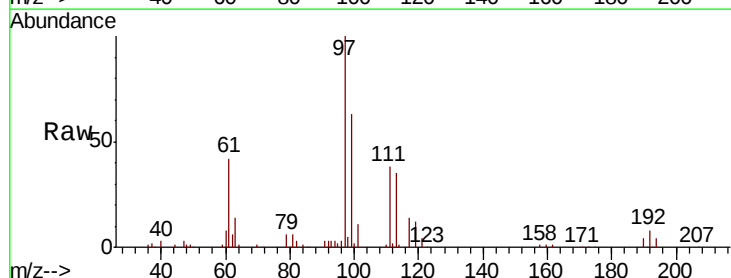
Tgt Ion: 97 Resp: 179320

Ion Ratio Lower Upper

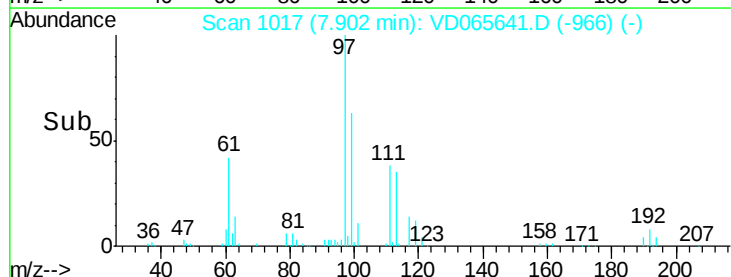
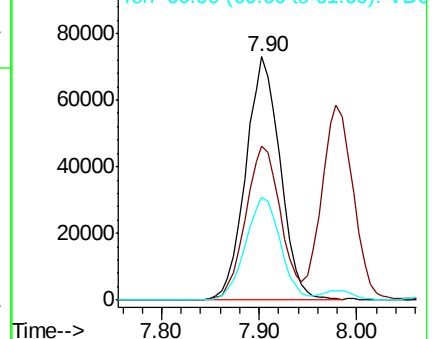
97 100

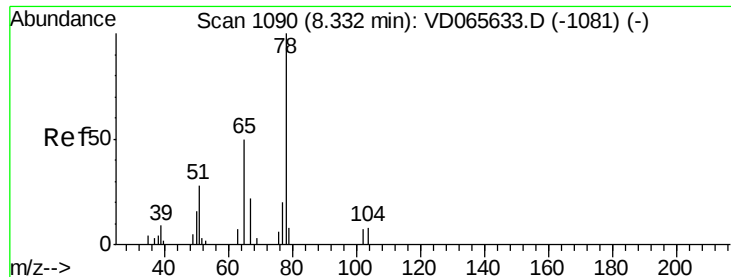
99 64.5 51.5 77.3

61 42.9 34.8 52.2



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: 42.136 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

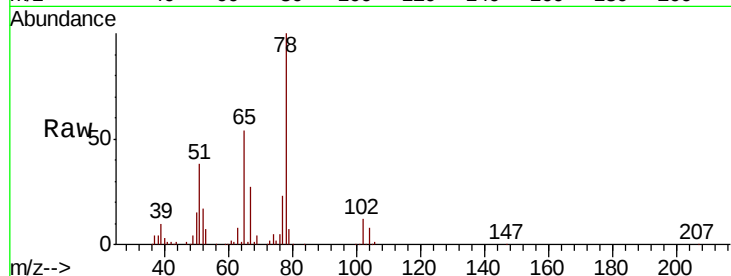
VSTDCCC050

Tot Ion: 65 Resp: 93499

Ion Ratio Lower Upper

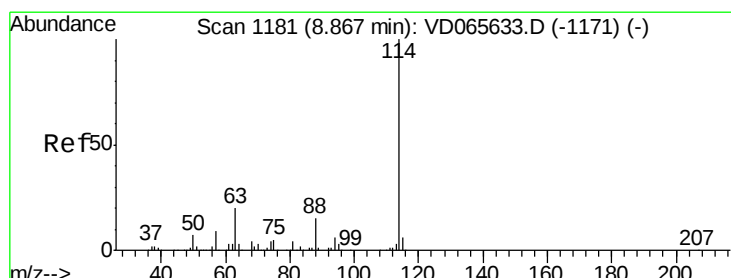
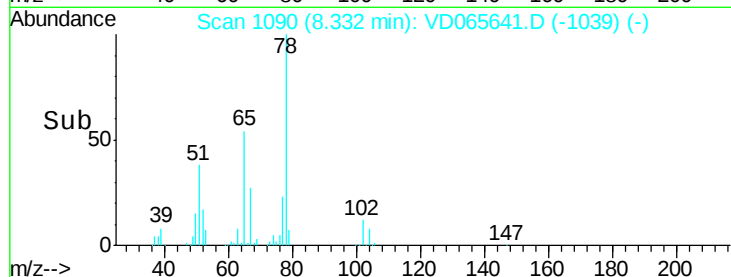
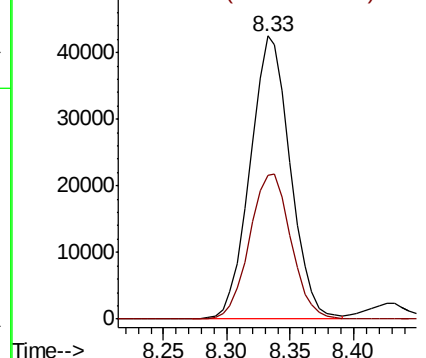
65 100

67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

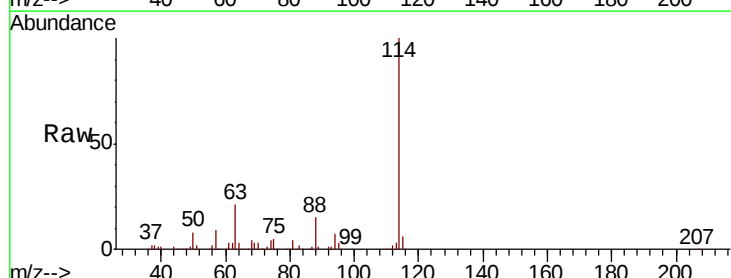
Tgt Ion: 114 Resp: 355122

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

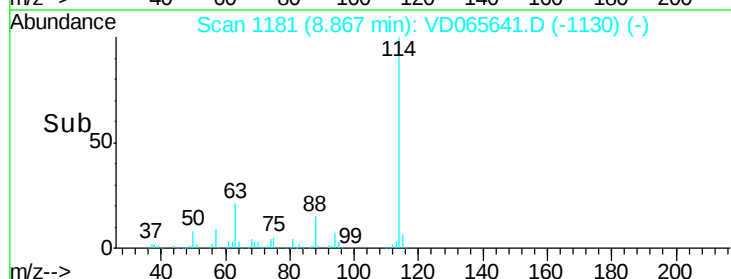
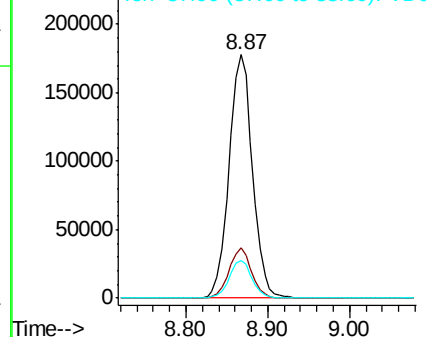
88 15.2 0.0 31.6

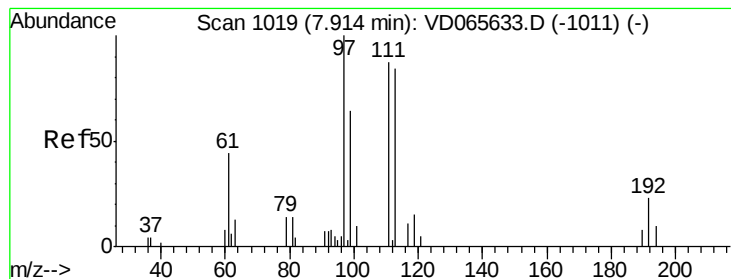


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 44.031 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

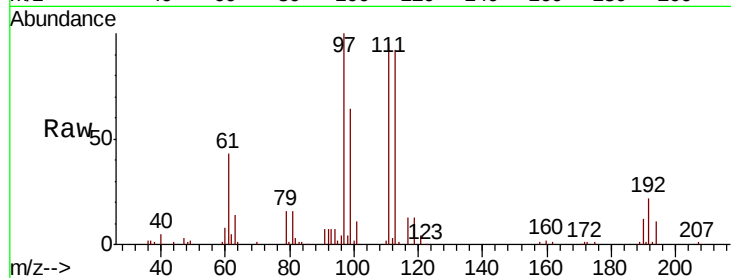
Tot Ion:113 Resp: 97316

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

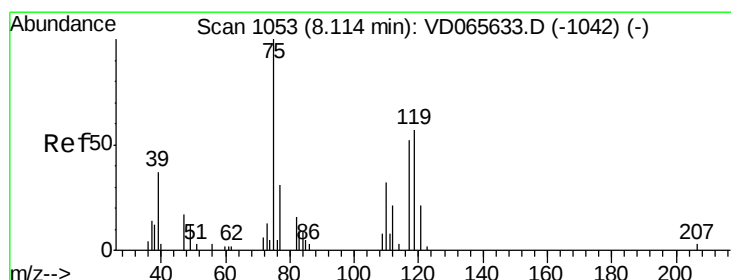
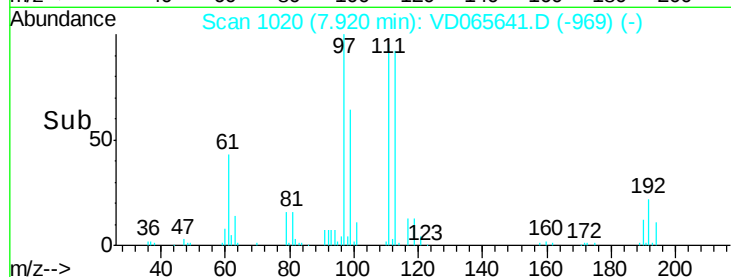
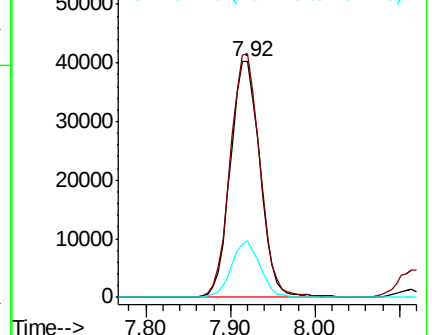
192 22.8 18.9 28.3



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: 46.582 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

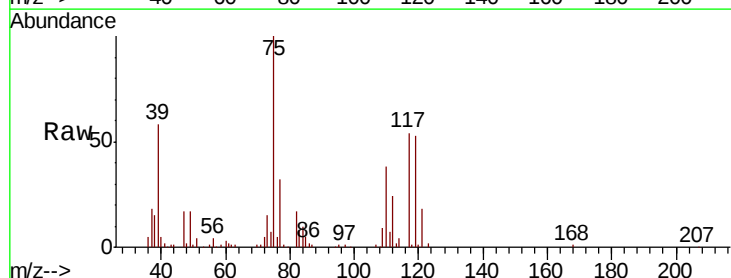
Tgt Ion: 75 Resp: 159730

Ion Ratio Lower Upper

75 100

110 36.7 18.3 54.8

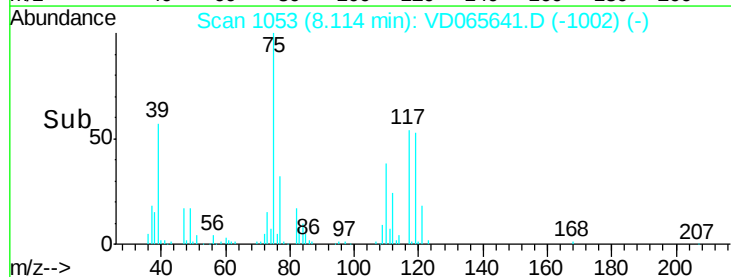
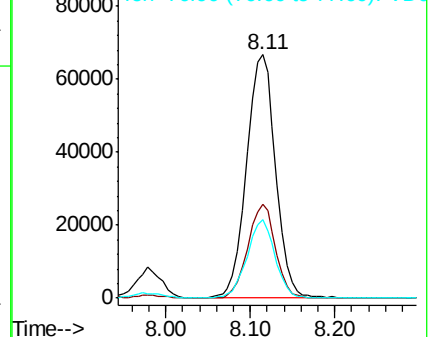
77 30.9 24.6 37.0

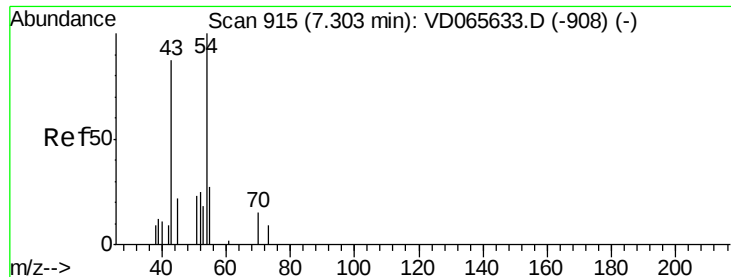


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

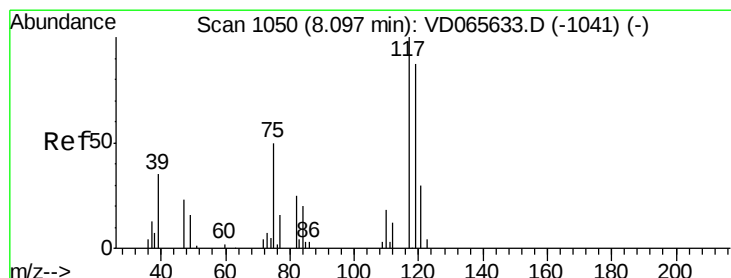
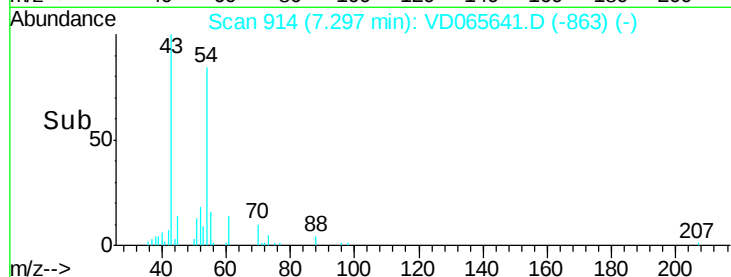
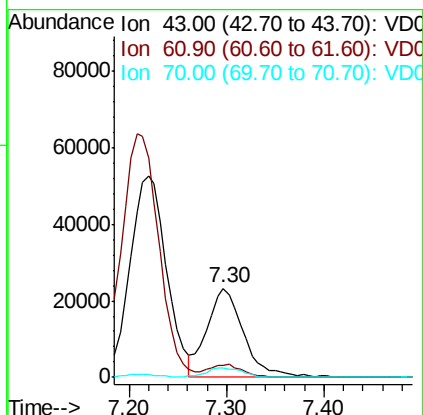
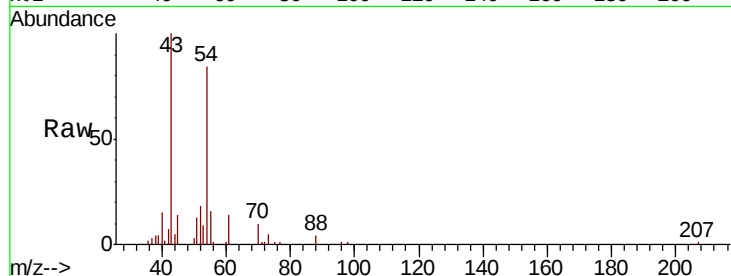




#37
Ethyl Acetate
Concen: 43.759 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

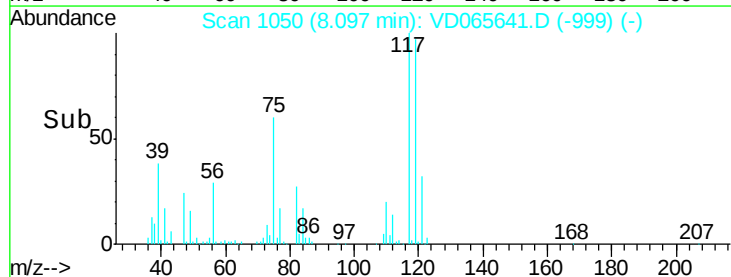
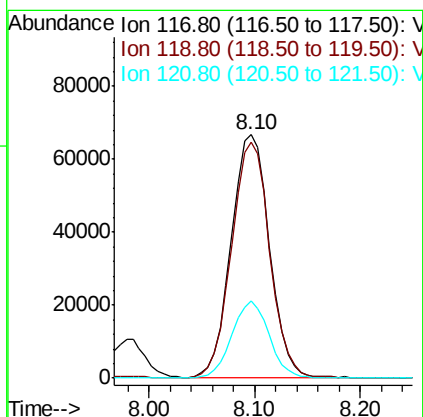
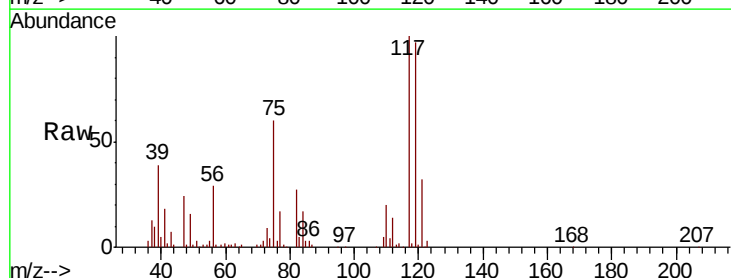
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

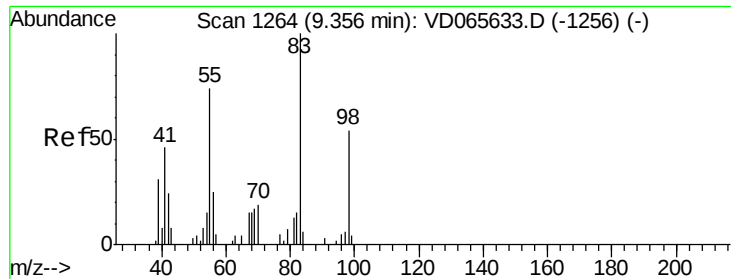
Tot Ion: 43 Resp: 59839
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 10.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 45.891 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 117 Resp: 168558
Ion Ratio Lower Upper
117 100
119 96.7 75.3 112.9
121 31.6 24.9 37.3

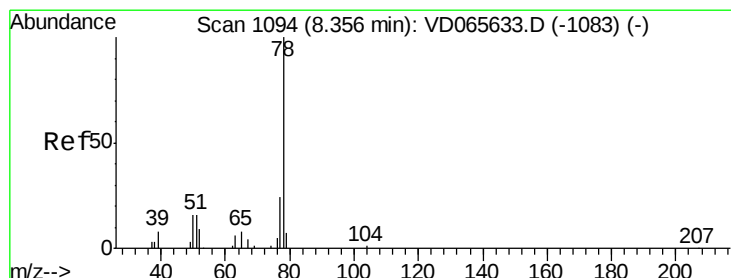
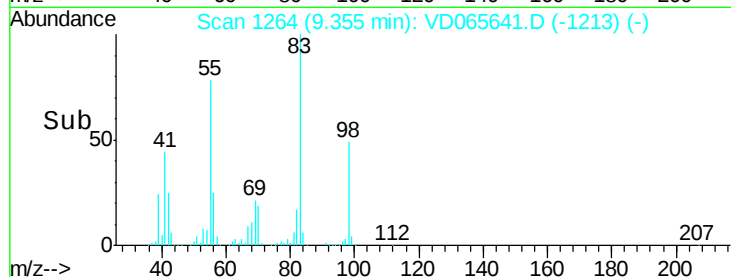
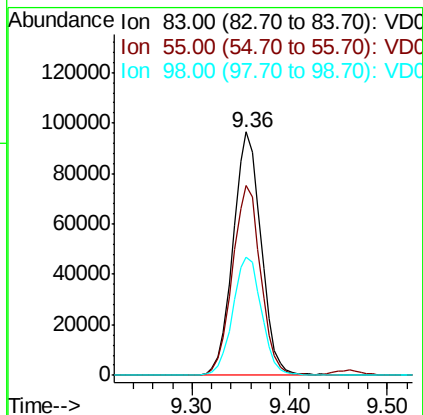
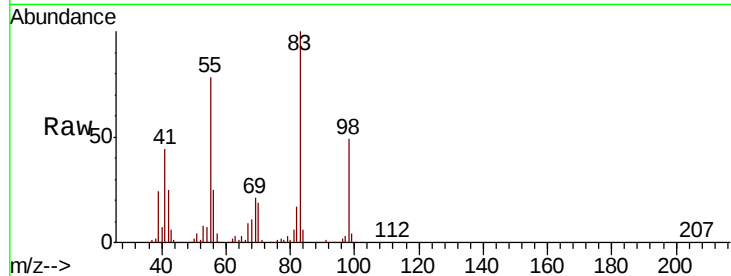




#39
Methvlcvclohexane
Concen: 48.433 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

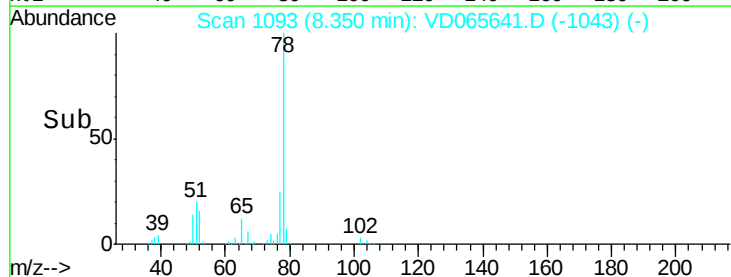
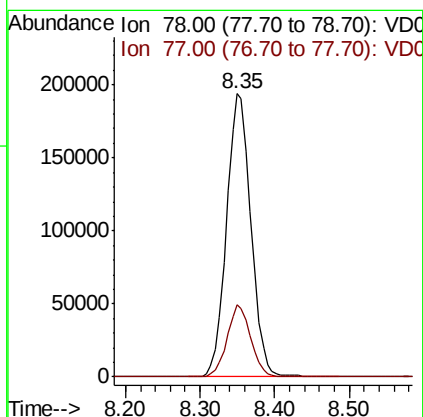
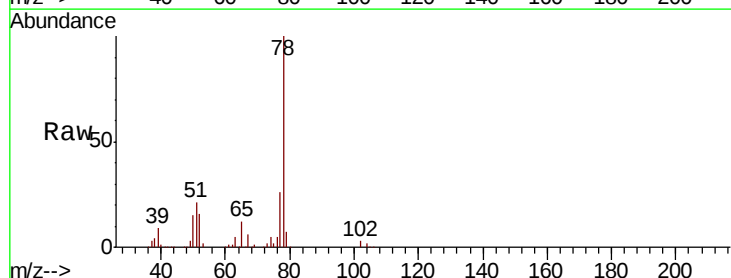
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

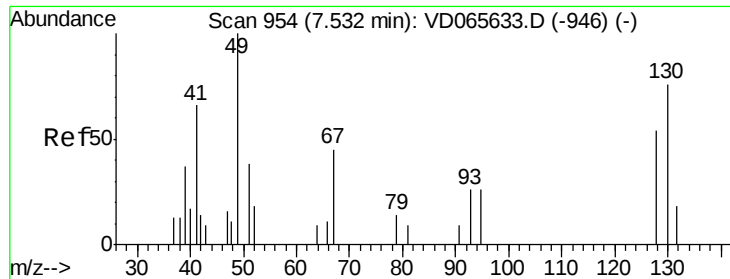
Tot Ion: 83 Resp: 193259
Ion Ratio Lower Upper
83 100
55 78.2 62.3 93.5
98 48.8 40.5 60.7



#40
Benzene
Concen: 44.721 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 78 Resp: 440899
Ion Ratio Lower Upper
78 100
77 25.6 18.9 28.3

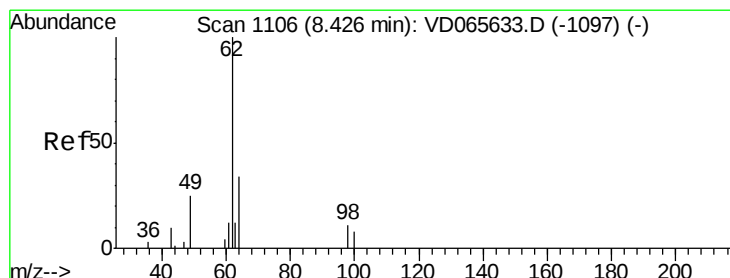
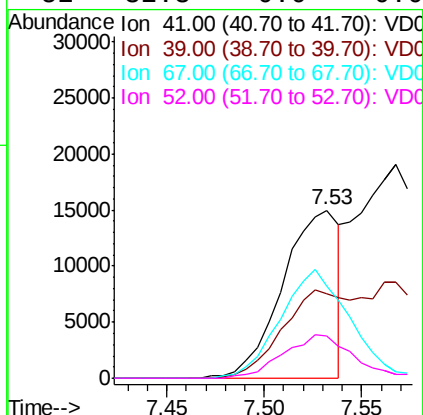
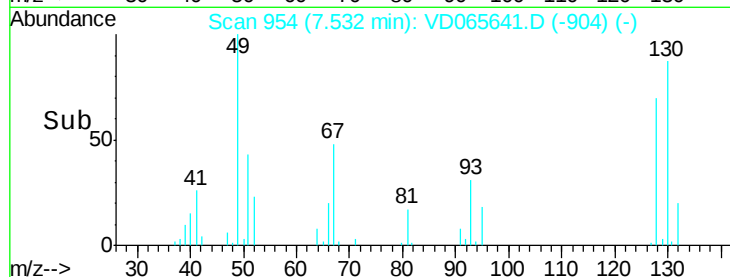
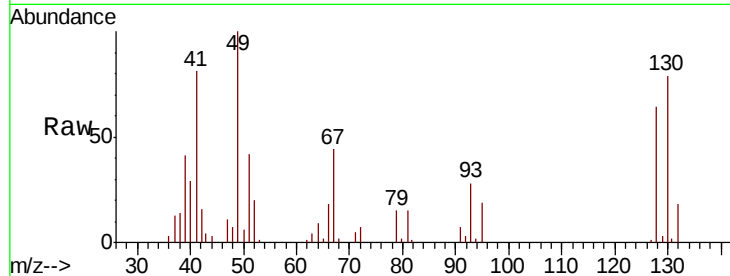




#41
Methacrylonitrile
Concen: 44.744 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

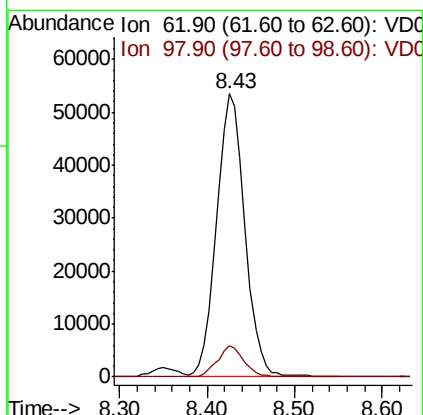
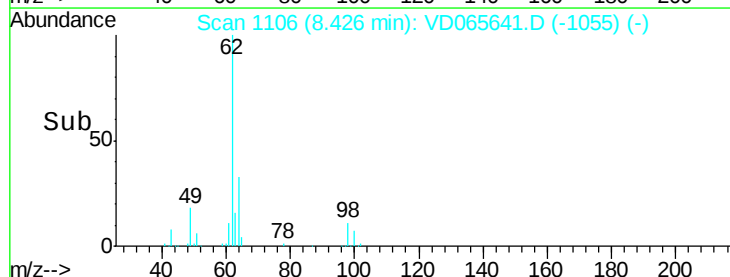
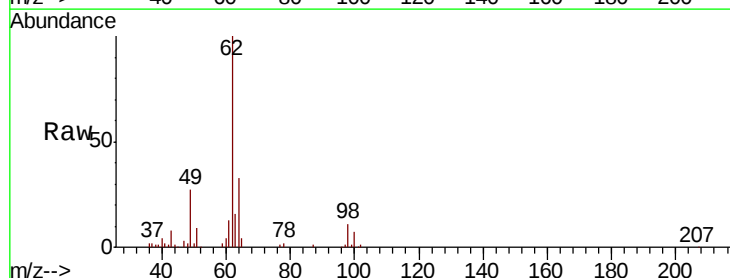
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

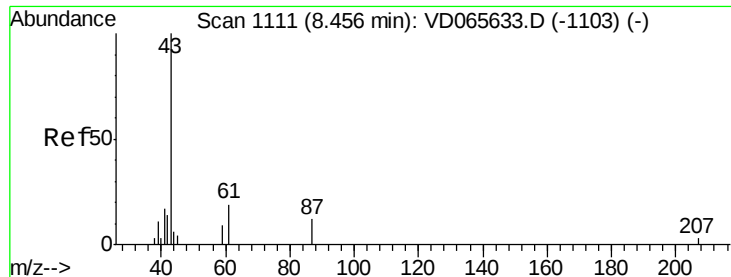
Tot Ion: 41 Resp: 30304
Ion Ratio Lower Upper
41 100
39 60.4 0.0 0.0#
67 78.7 0.0 0.0#
52 32.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 44.340 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 62 Resp: 119804
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 43.280 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

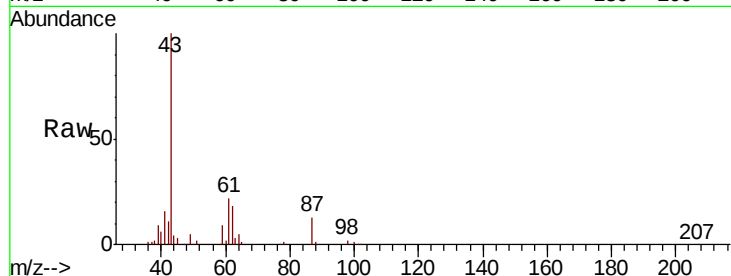
Tot Ion: 43 Resp: 106576

Ion Ratio Lower Upper

43 100

61 32.0 25.0 37.6

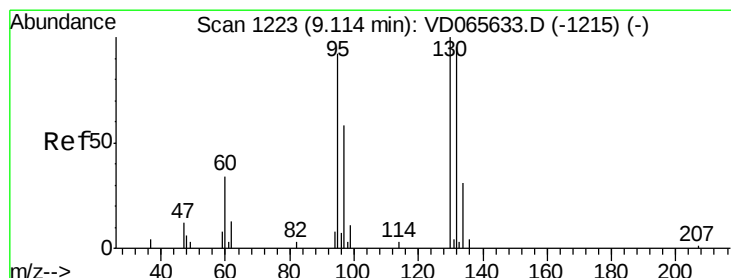
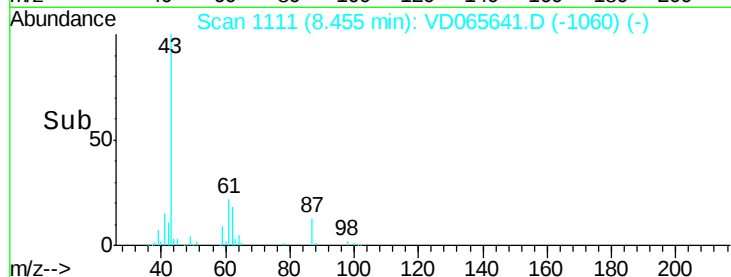
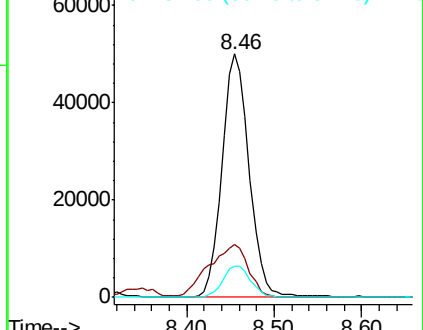
87 13.1 9.9 14.9



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: 45.147 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065641.D

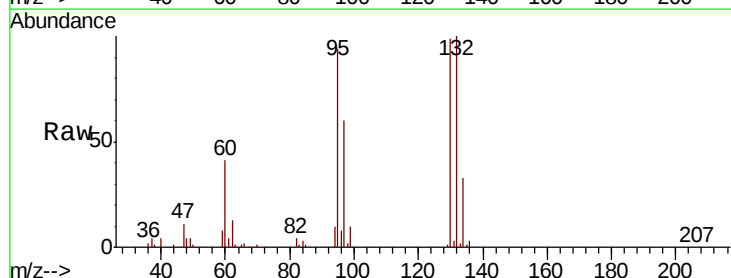
Acq: 17 Apr 2020 13:16

Tgt Ion: 130 Resp: 124594

Ion Ratio Lower Upper

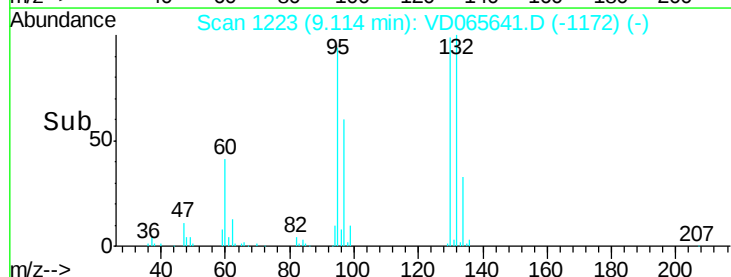
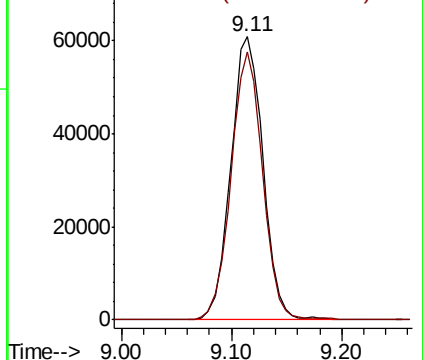
130 100

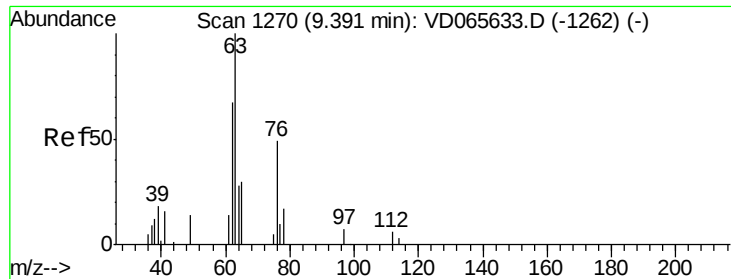
95 94.7 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 44.842 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

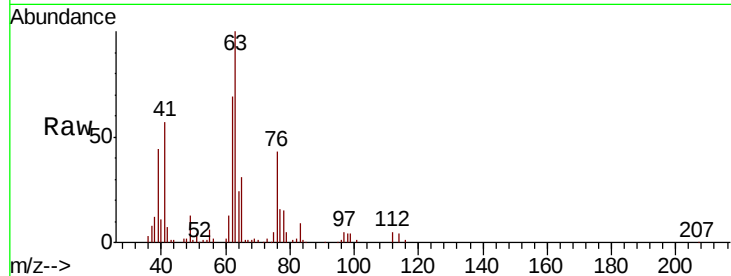
VSTDCCC050

Tot Ion: 63 Resp: 108500

Ion Ratio Lower Upper

63 100

65 31.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

60000

50000

40000

30000

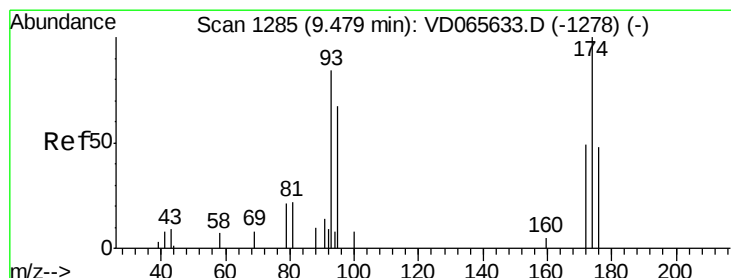
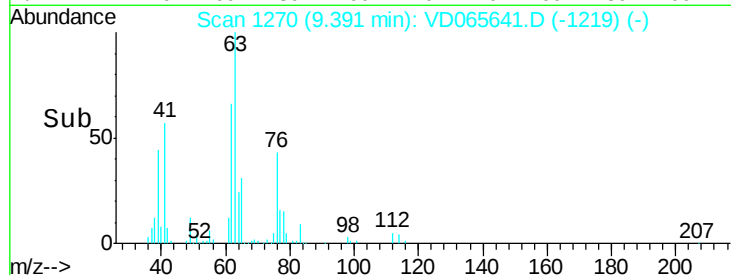
20000

10000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 43.297 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

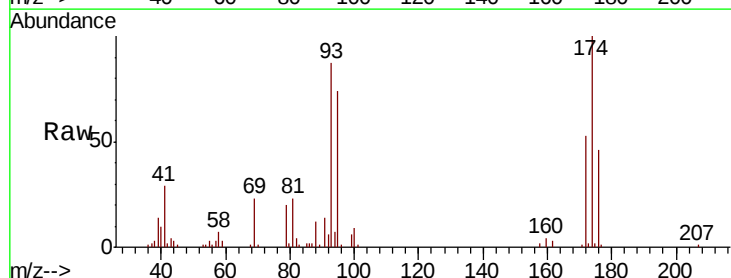
Tgt Ion: 93 Resp: 54175

Ion Ratio Lower Upper

93 100

95 84.9 67.4 101.2

174 116.6 94.1 141.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

40000

30000

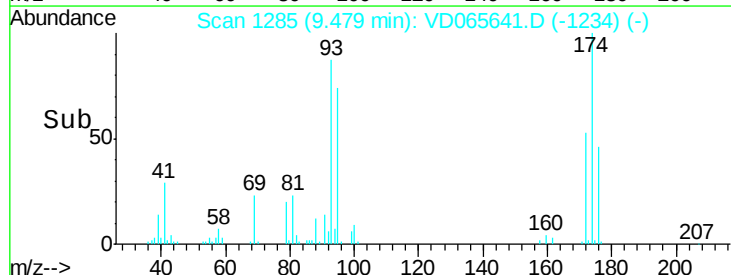
20000

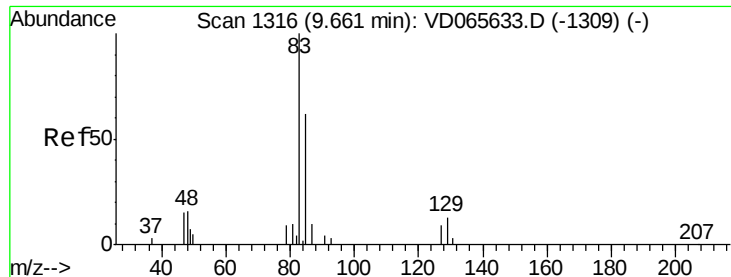
10000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 43.431 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

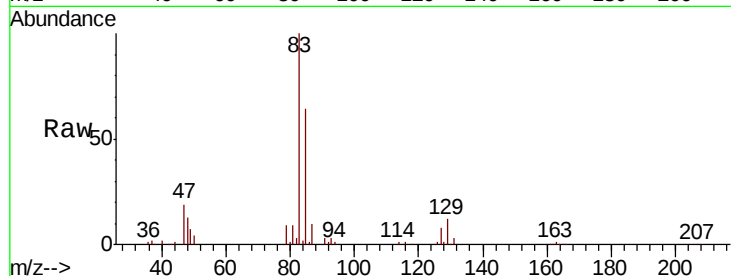
Tot Ion: 83 Resp: 144707

Ion Ratio Lower Upper

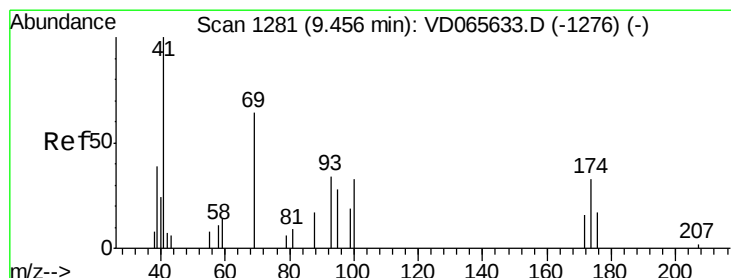
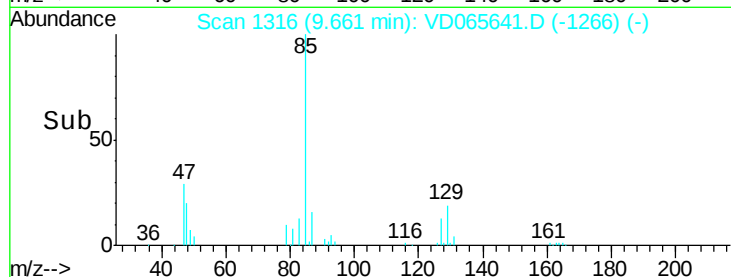
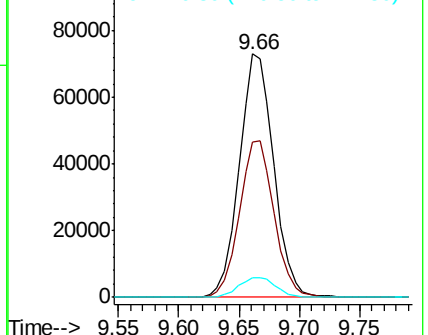
83 100

85 63.6 49.8 74.8

127 8.1 6.6 9.8



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



#48

Methyl methacrylate

Concen: 39.944 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

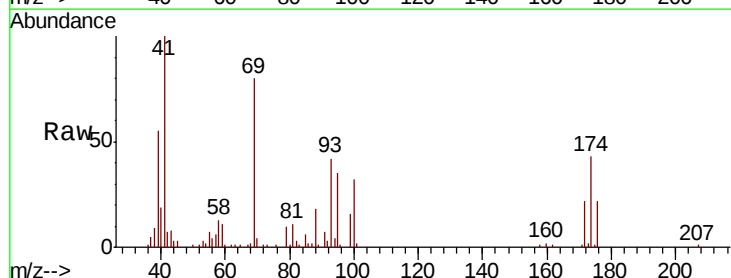
Tgt Ion: 41 Resp: 52145

Ion Ratio Lower Upper

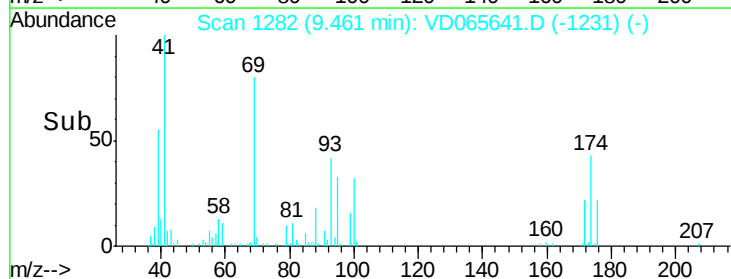
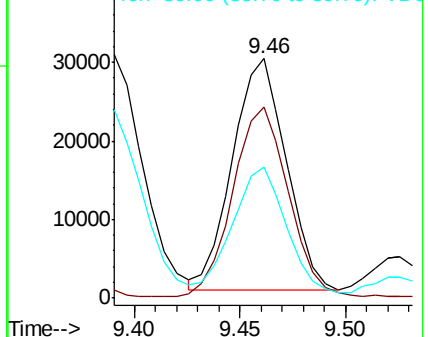
41 100

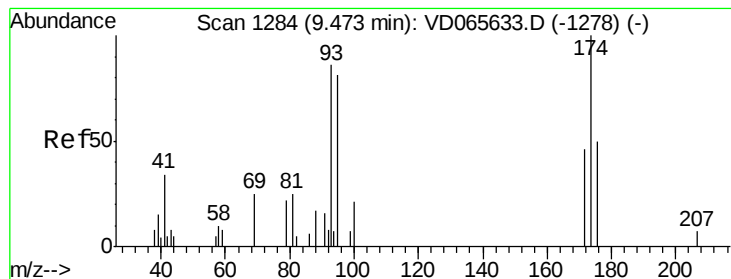
69 86.8 66.8 100.2

39 53.7 39.6 59.4



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





#49

1,4-Dioxane

Concen: 813.783 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

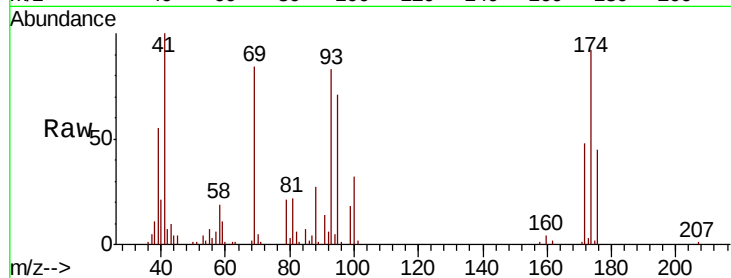
Tot Ion: 88 Resp: 12304

Ion Ratio Lower Upper

88 100

43 38.4 28.1 42.1

58 68.6 55.7 83.5

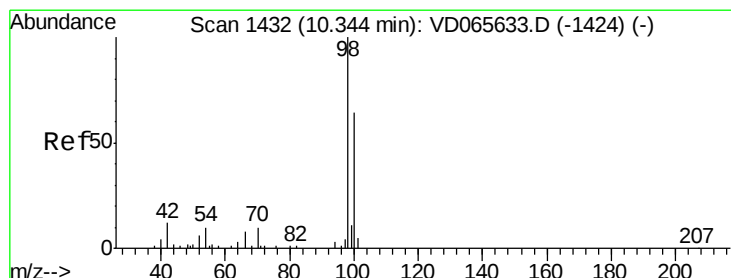
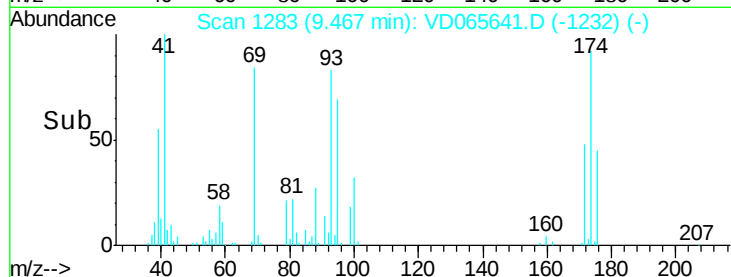
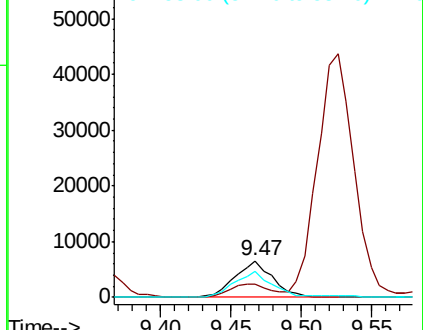


Abundance

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: 46.341 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065641.D

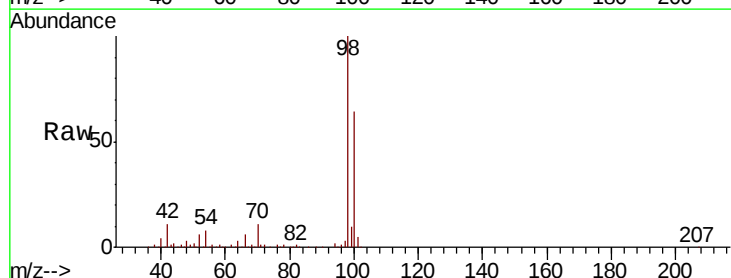
Acq: 17 Apr 2020 13:16

Tgt Ion: 98 Resp: 377561

Ion Ratio Lower Upper

98 100

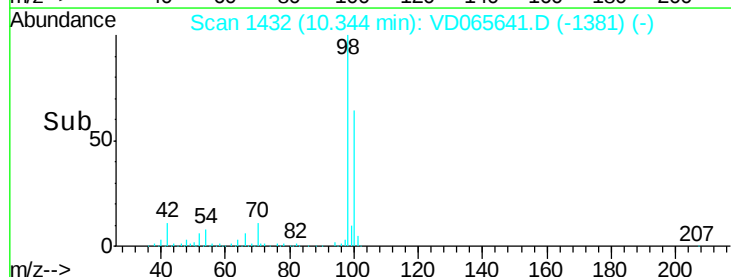
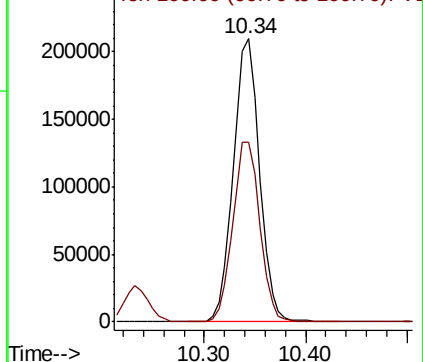
100 65.8 52.4 78.6

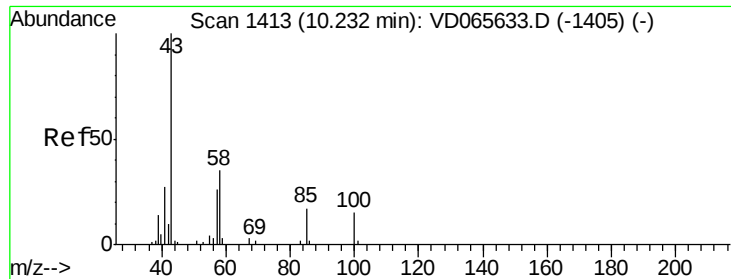


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

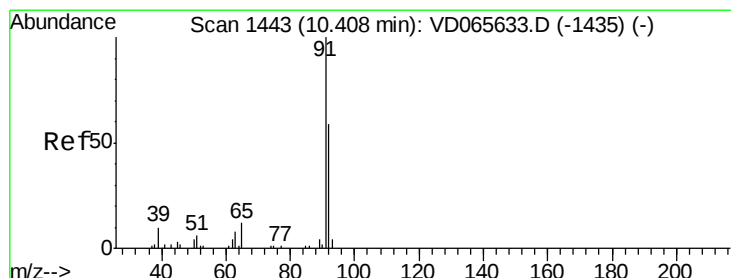
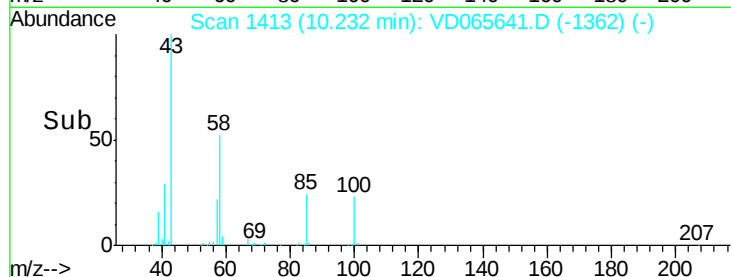
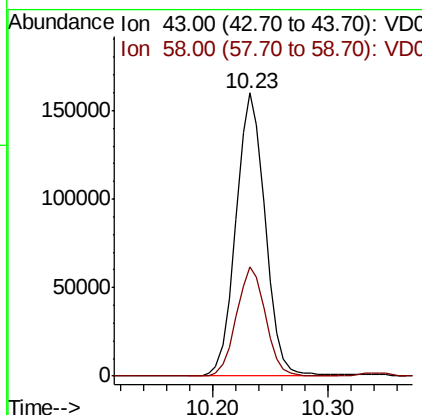
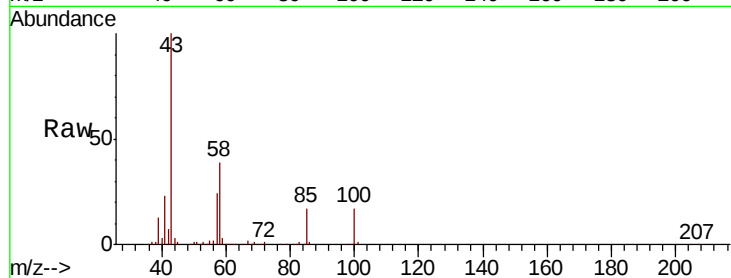




#51
 4-Methyl-2-Pentanone
 Concen: 205.702 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

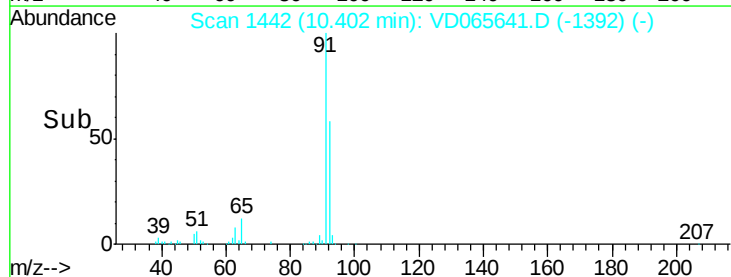
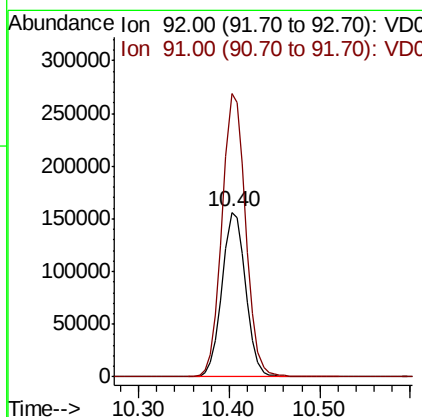
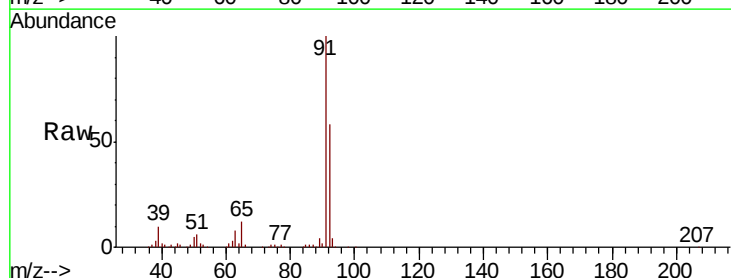
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

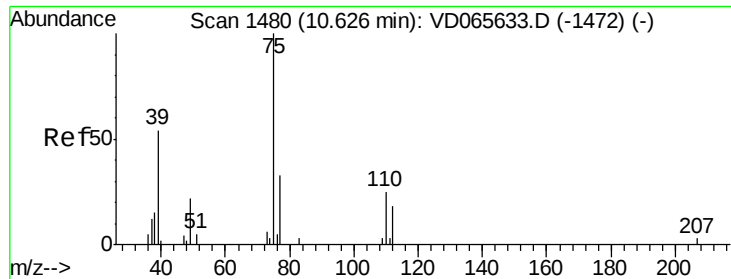
Tot Ion: 43 Resp: 280362
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.1 46.7



#52
 Toluene
 Concen: 46.623 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 92 Resp: 283358
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 43.570 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

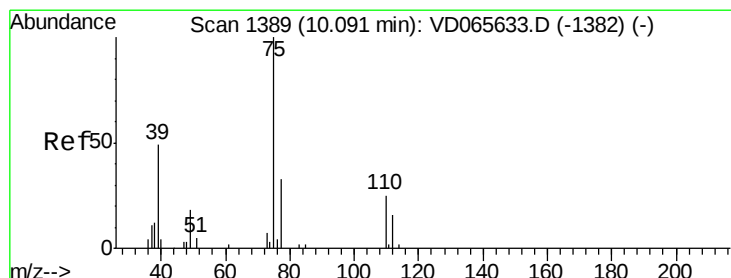
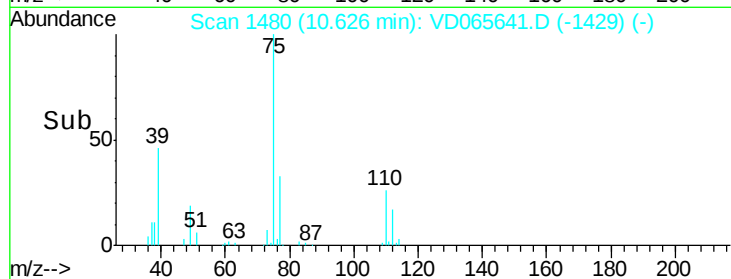
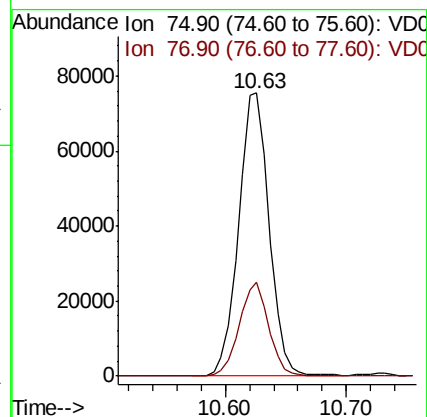
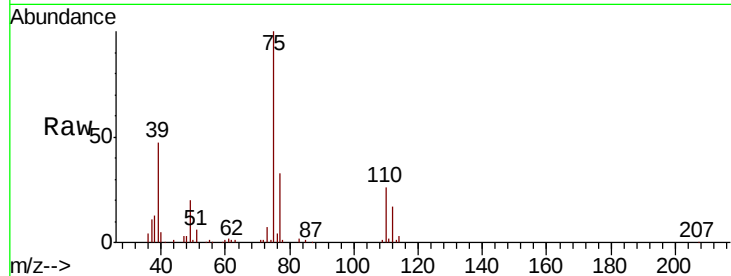
VSTDCCC050

Tot Ion: 75 Resp: 133295

Ion Ratio Lower Upper

75 100

77 33.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 44.554 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

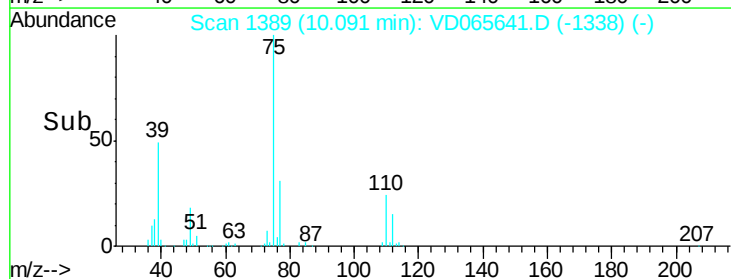
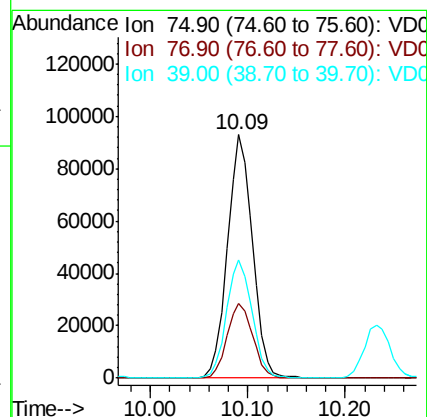
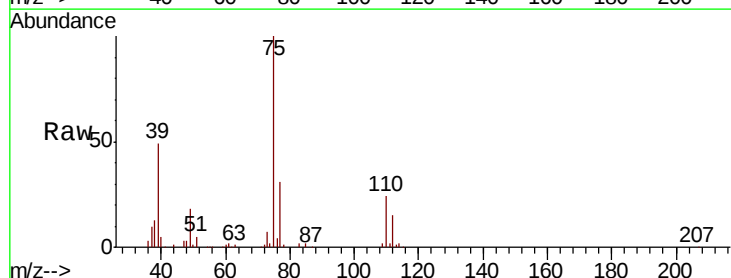
Tgt Ion: 75 Resp: 164965

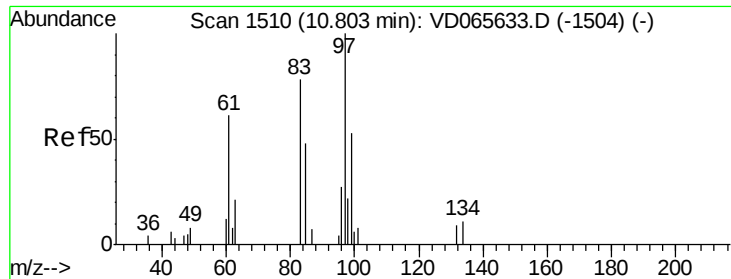
Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8

39 48.8 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 42.476 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 75174

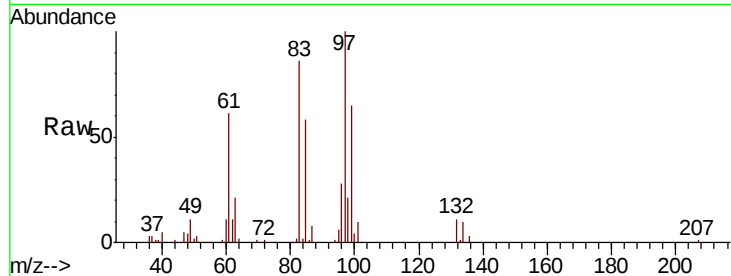
Ion Ratio Lower Upper

97 100

83 85.6 67.4 101.0

85 57.8 43.4 65.0

99 64.9 50.5 75.7

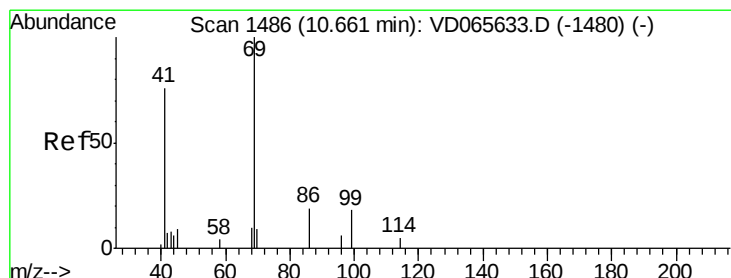
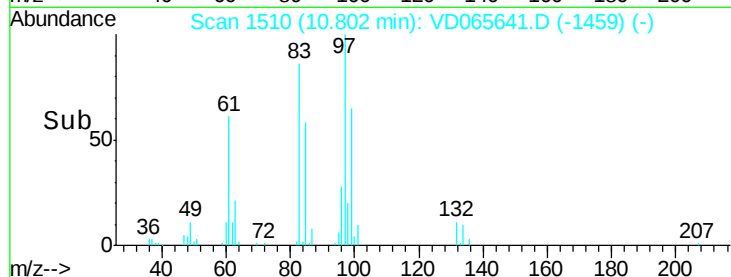
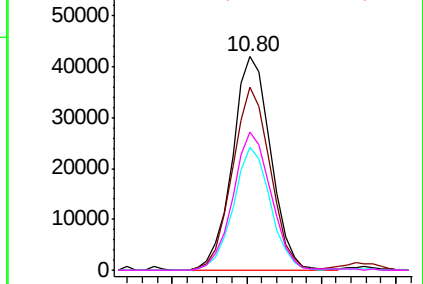


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 39.621 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

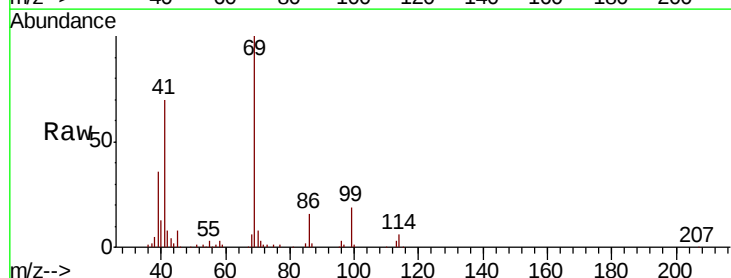
Tgt Ion: 69 Resp: 86061

Ion Ratio Lower Upper

69 100

41 68.8 56.2 84.4

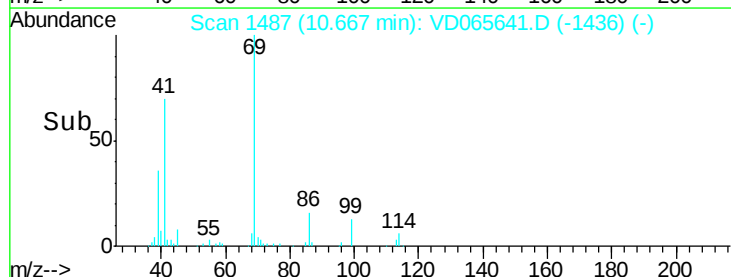
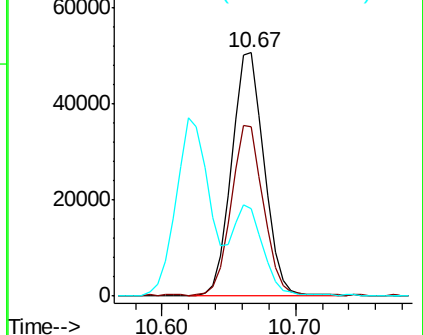
39 31.7 26.6 39.8

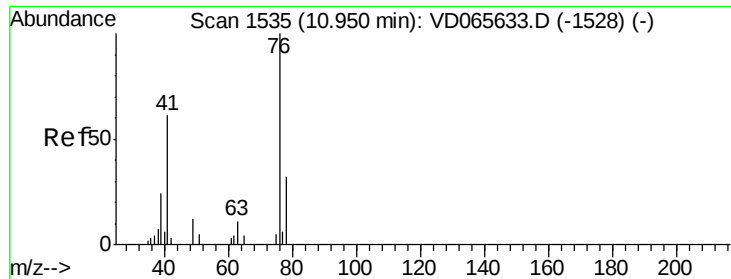


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

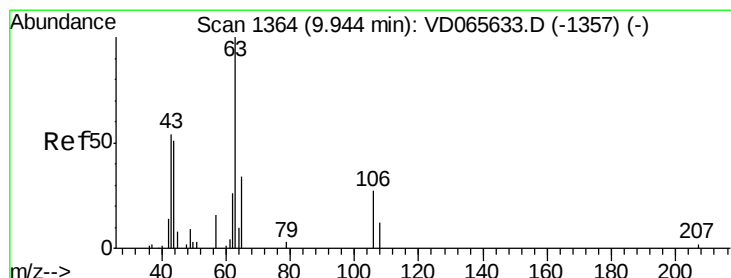
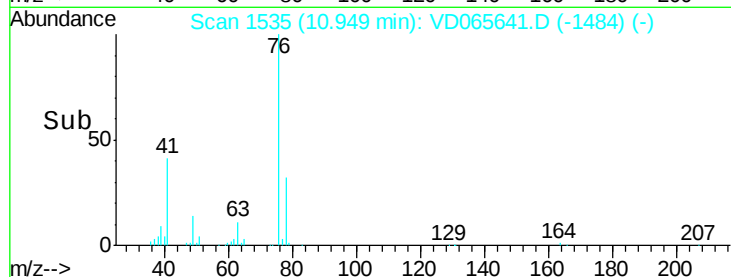
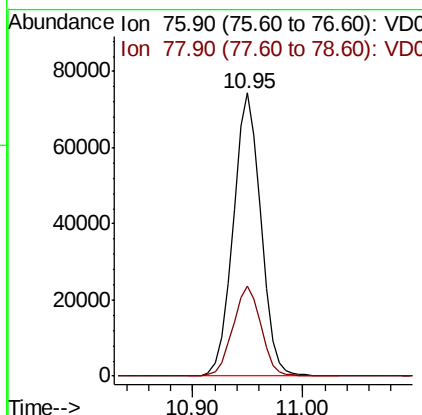
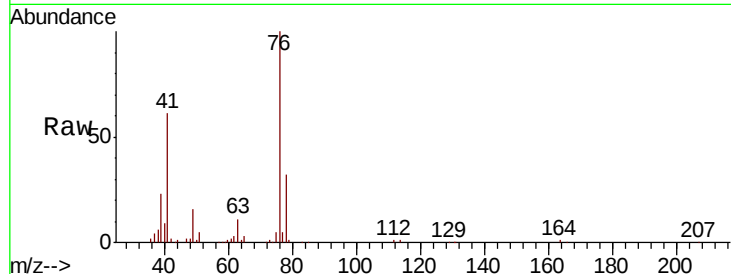




#57
 1,3-Dichloropropane
 Concen: 43.317 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

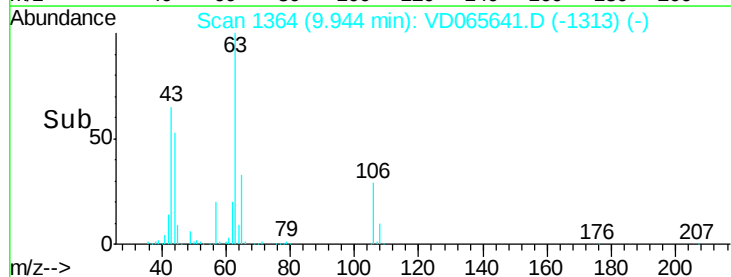
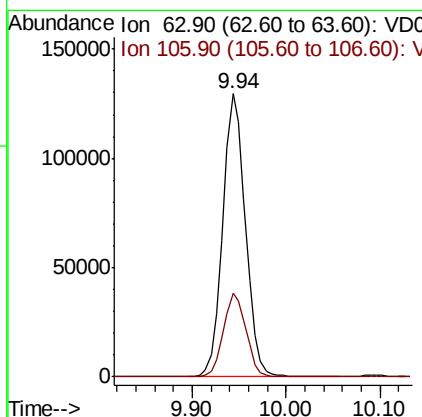
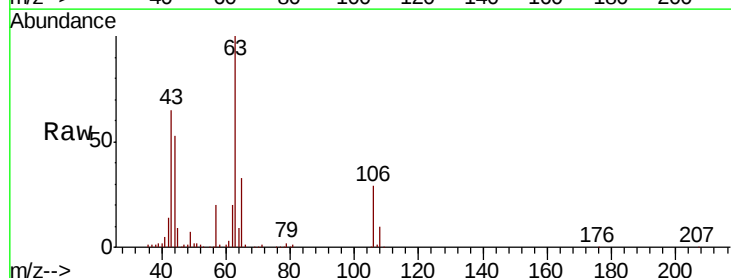
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

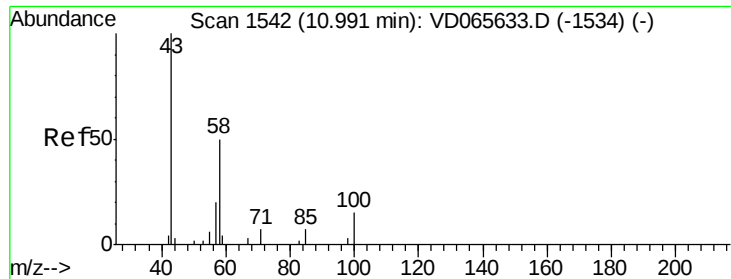
Tot Ion: 76 Resp: 130539
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 206.940 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 63 Resp: 217630
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.6

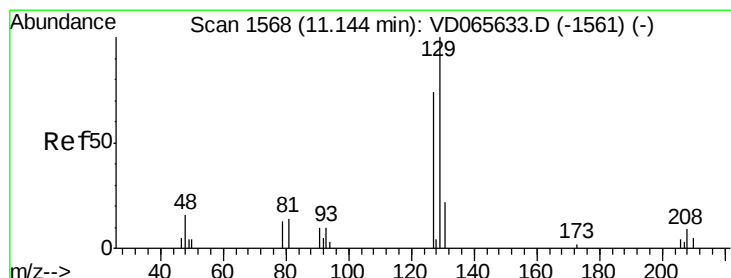
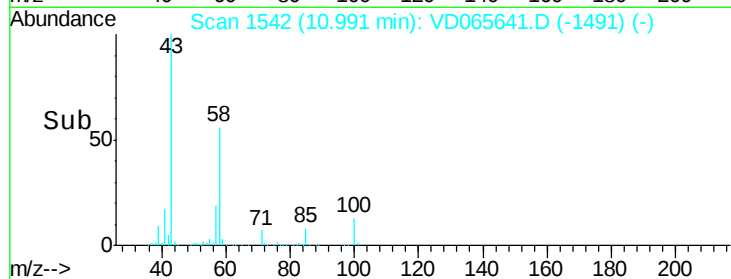
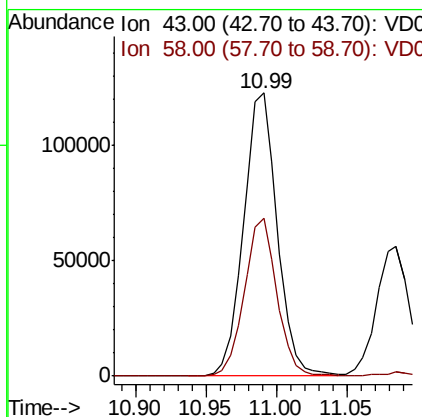
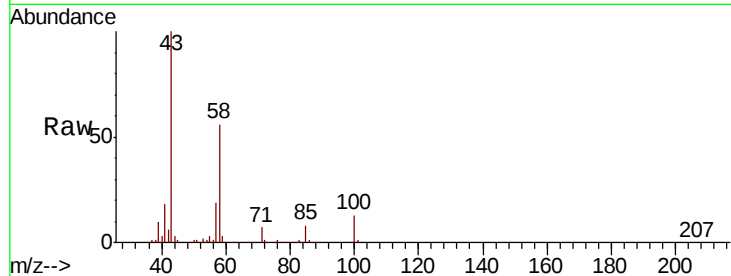




#59
2-Hexanone
Concen: 218.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

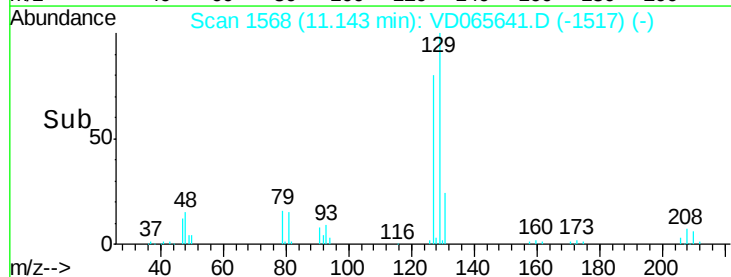
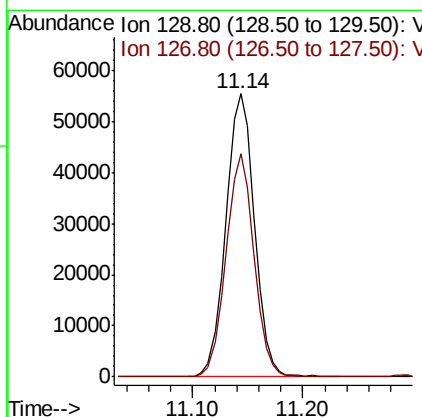
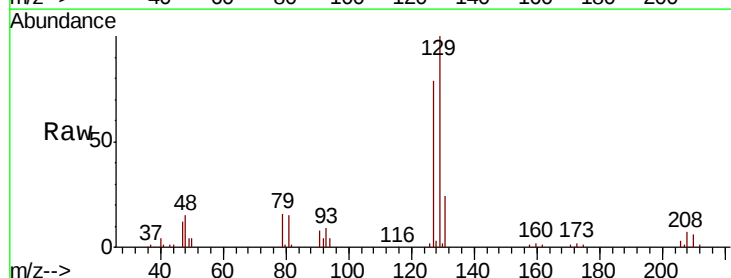
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

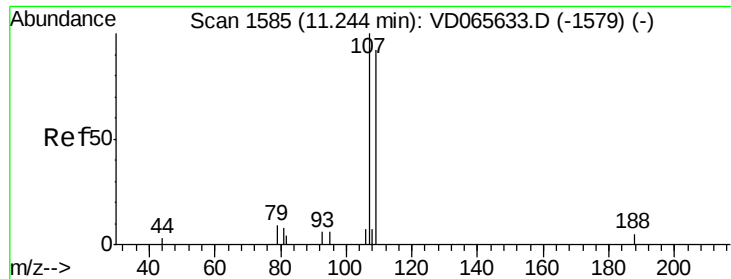
Tot Ion: 43 Resp: 204682
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.4



#60
Dibromochloromethane
Concen: 43.161 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 129 Resp: 100606
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3

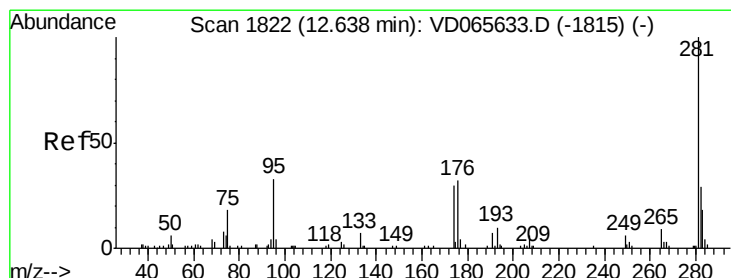
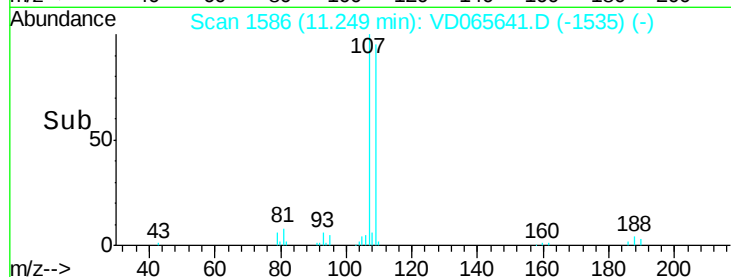
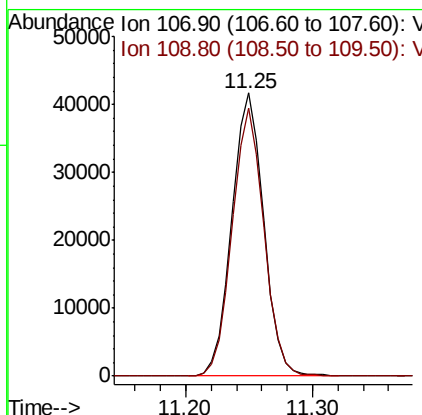
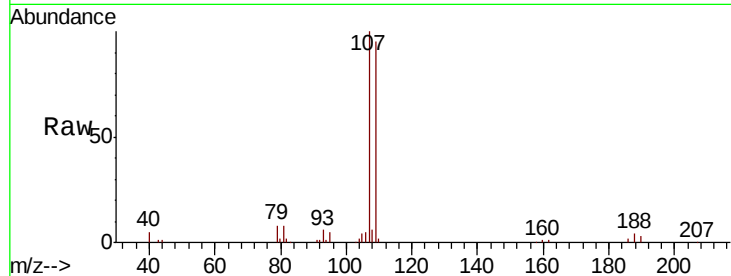




#61
 1,2-Dibromoethane
 Concen: 42.450 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

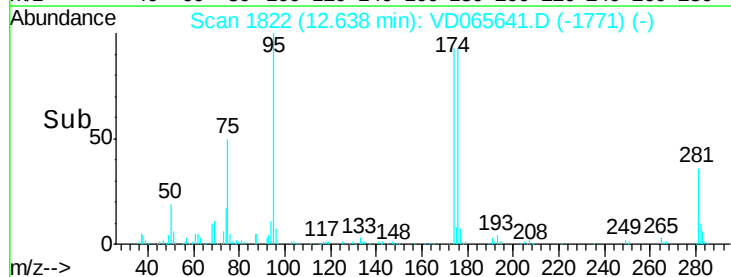
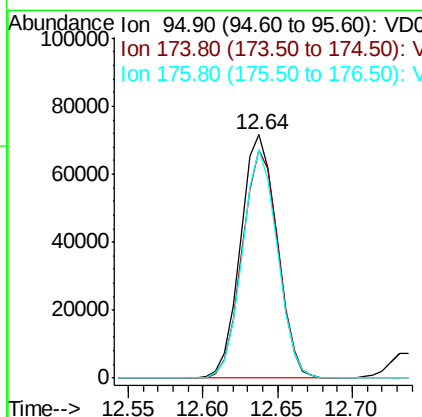
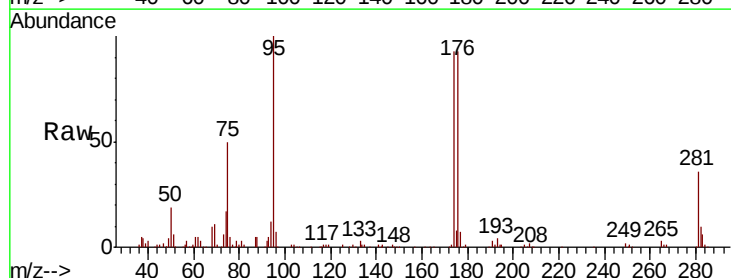
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

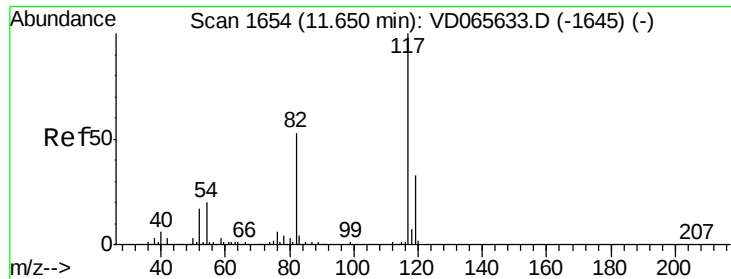
Tot Ion:107 Resp: 72289
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 44.587 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 95 Resp: 120878
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 183.8
 176 90.2 0.0 181.4

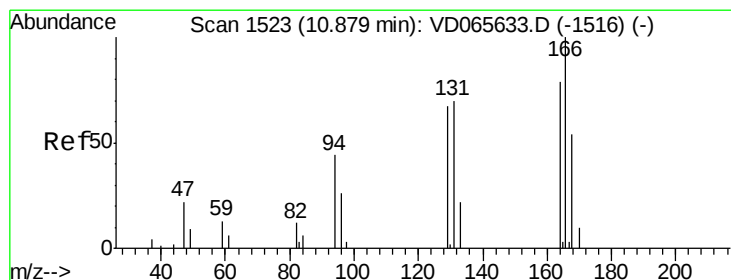
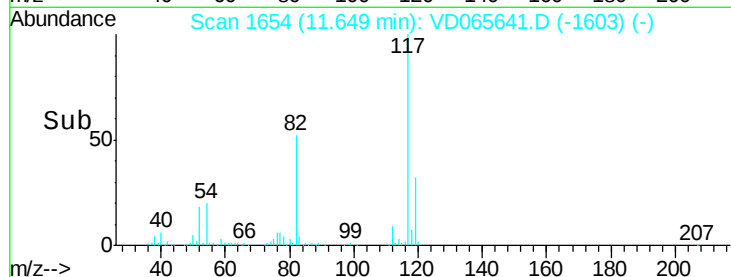
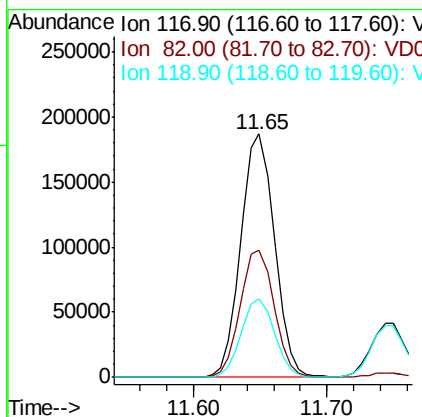
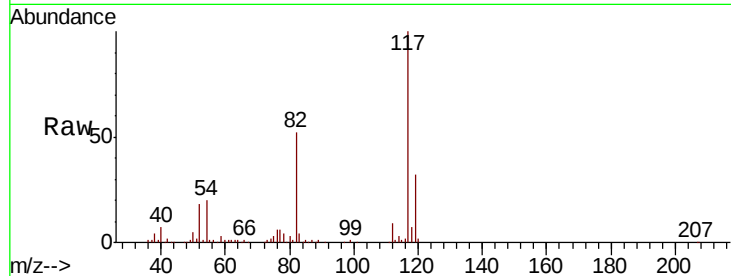




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

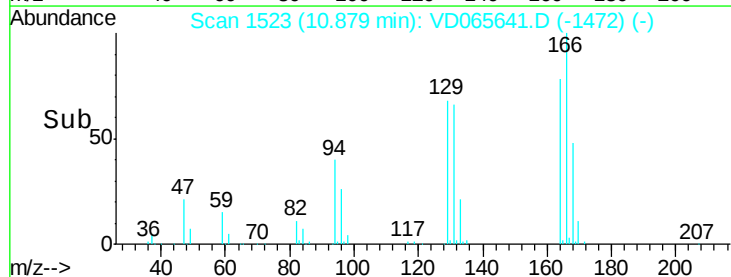
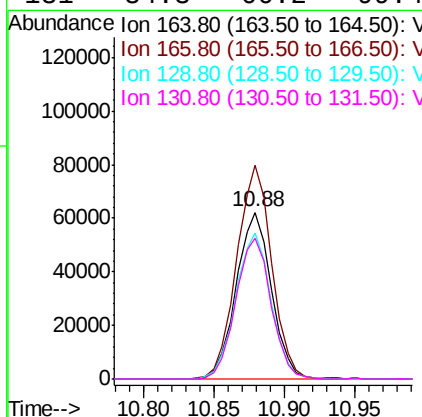
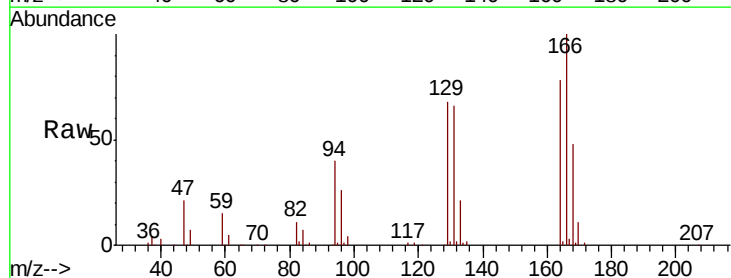
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

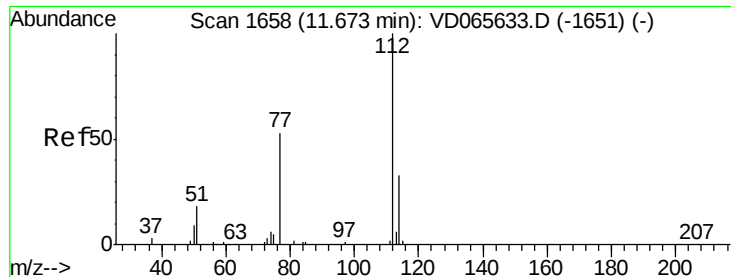
Tot Ion:117 Resp: 327469
Ion Ratio Lower Upper
117 100
82 52.5 43.2 64.8
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 45.973 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:164 Resp: 108020
Ion Ratio Lower Upper
164 100
166 128.1 102.3 153.5
129 87.6 71.7 107.5
131 84.3 66.2 99.4

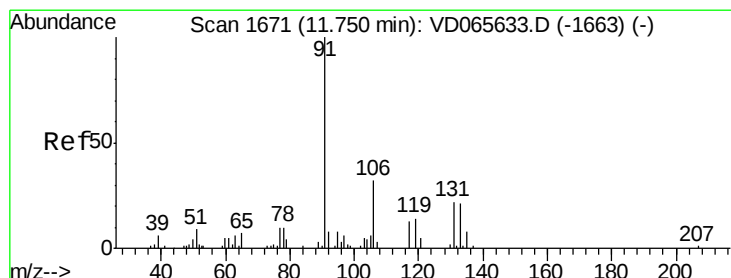
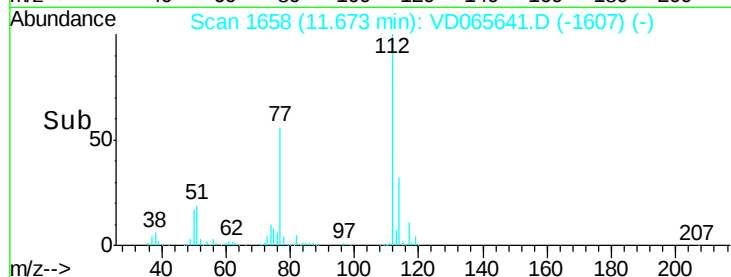
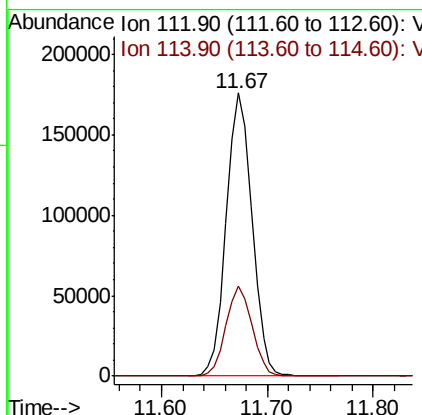
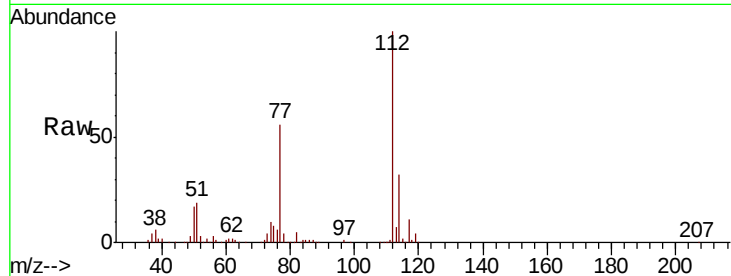




#65
Chlorobenzene
Concen: 45.836 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

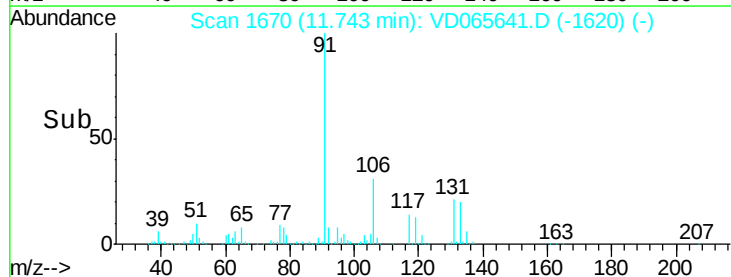
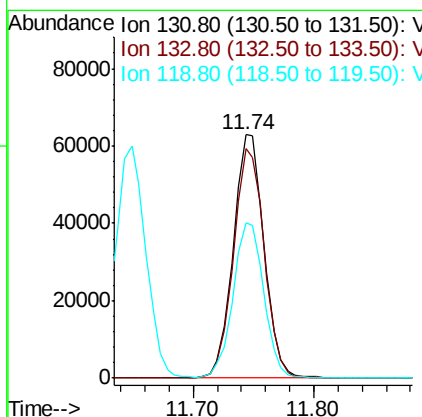
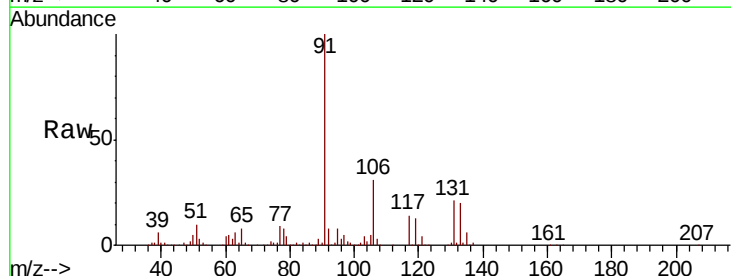
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

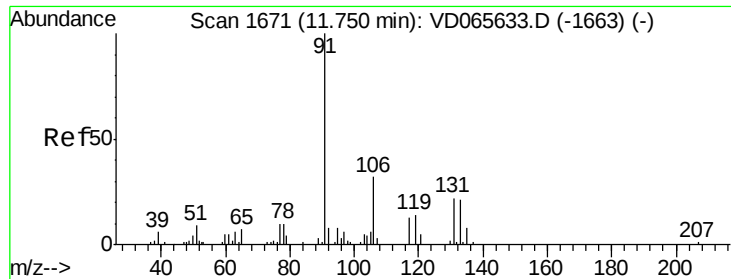
Tot Ion:112 Resp: 297178
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 44.918 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:131 Resp: 111348
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 64.2 32.6 97.7

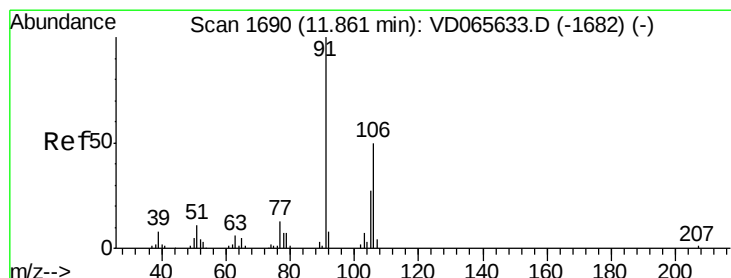
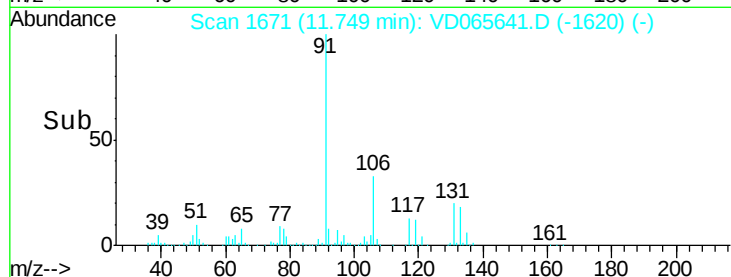
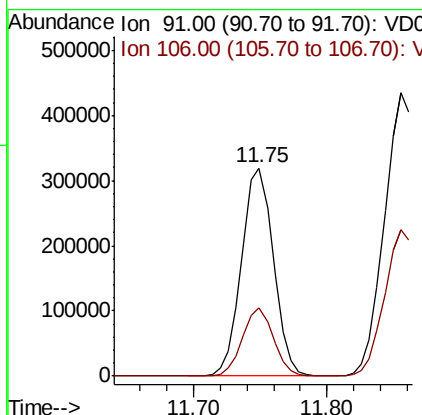
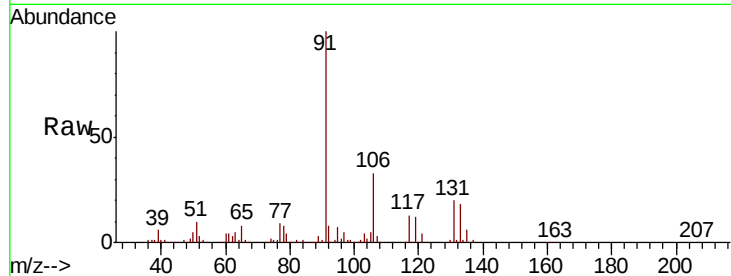




#67
Ethyl Benzene
Concen: 47.692 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

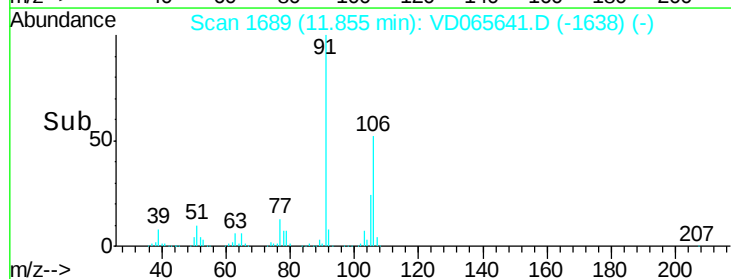
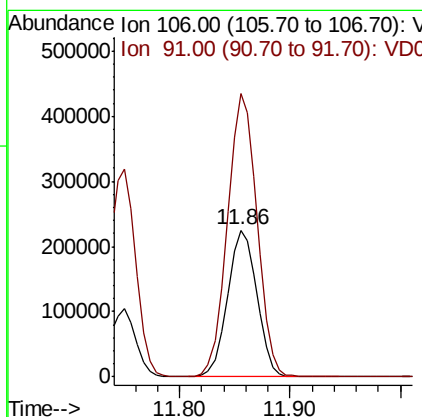
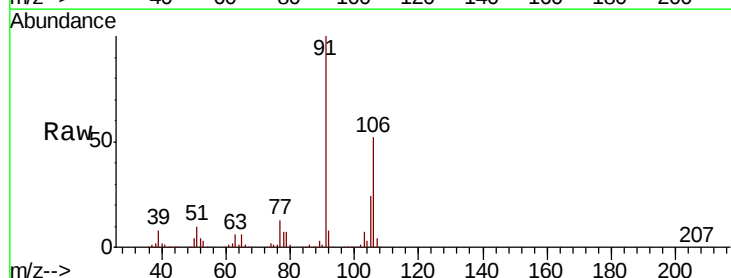
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

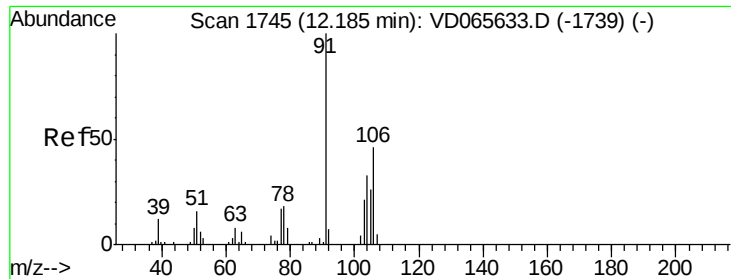
Tot Ion: 91 Resp: 528447
Ion Ratio Lower Upper
91 100
106 33.0 25.1 37.7



#68
m/p-Xylenes
Concen: 98.047 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 106 Resp: 419715
Ion Ratio Lower Upper
106 100
91 194.8 157.9 236.9

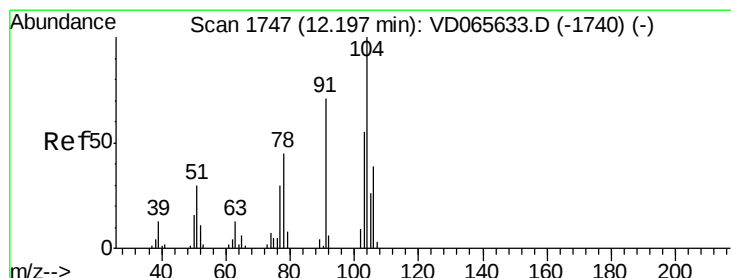
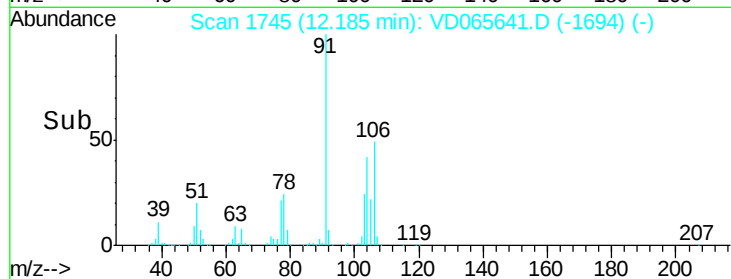
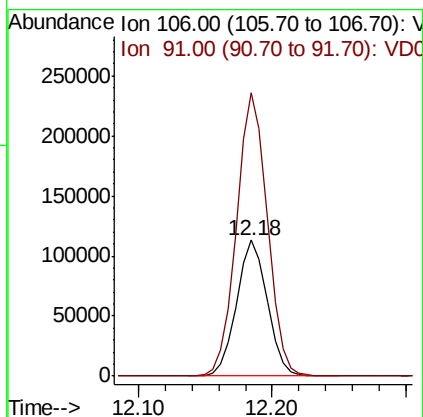
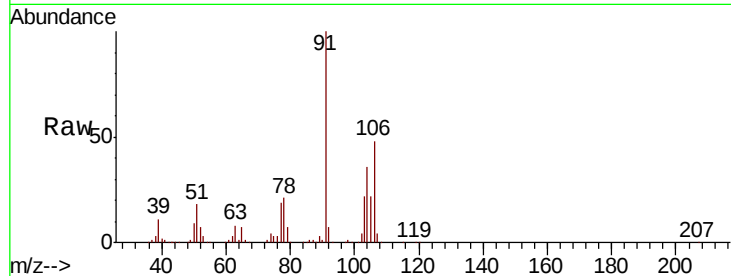




#69
o-Xylene
Concen: 47.939 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

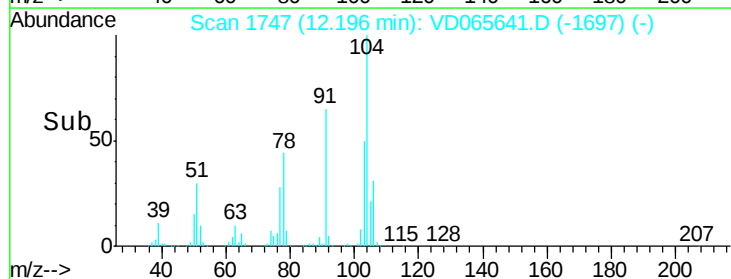
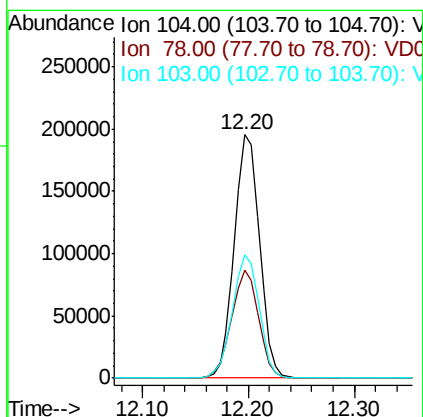
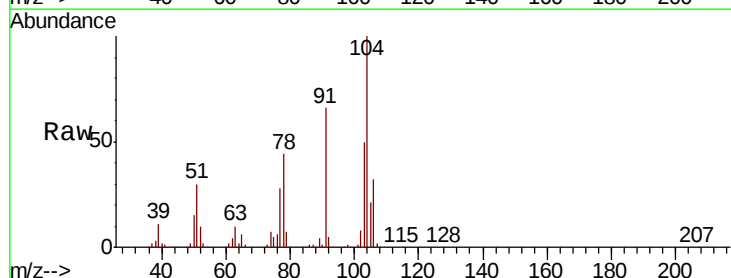
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

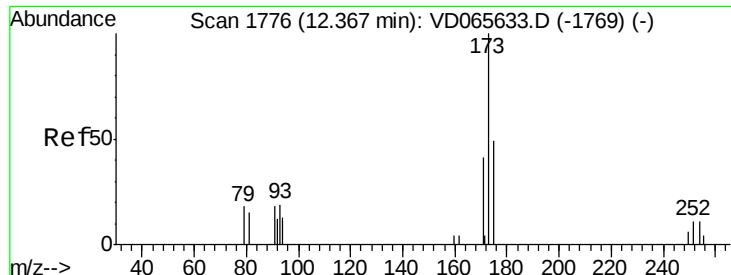
Tot Ion:106 Resp: 180059
Ion Ratio Lower Upper
106 100
91 208.8 103.6 310.9



#70
Styrene
Concen: 48.762 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:104 Resp: 324195
Ion Ratio Lower Upper
104 100
78 47.2 37.5 56.3
103 53.7 43.4 65.0





#71

Bromoform

Concen: 44.186 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

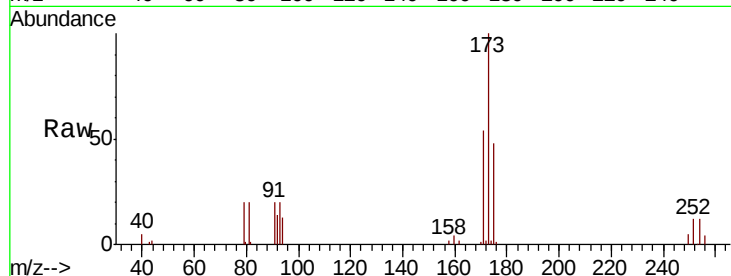
Tot Ion:173 Resp: 61536

Ion Ratio Lower Upper

173 100

175 48.6 25.1 75.2

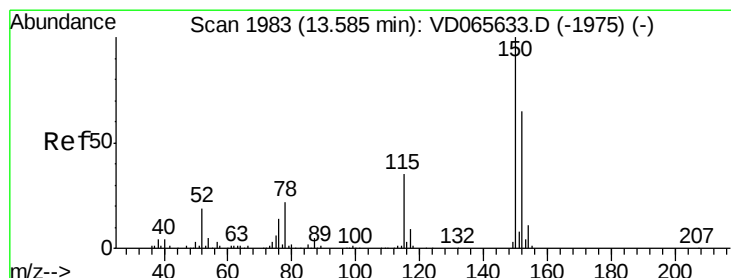
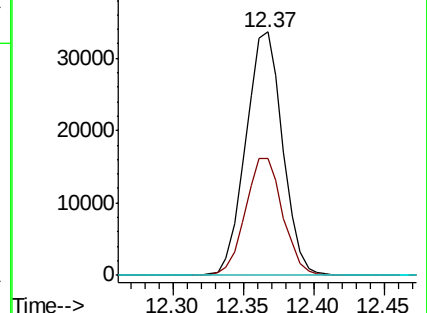
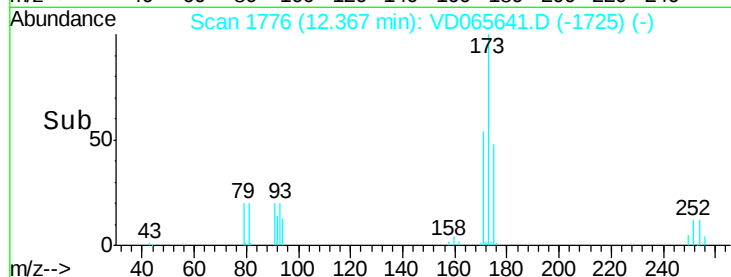
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

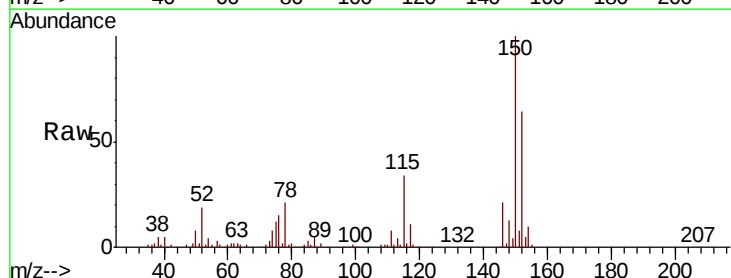
Tgt Ion:152 Resp: 168902

Ion Ratio Lower Upper

152 100

115 54.8 27.6 82.7

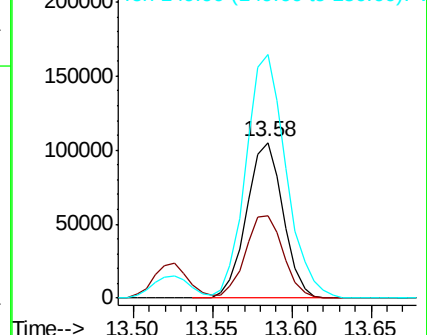
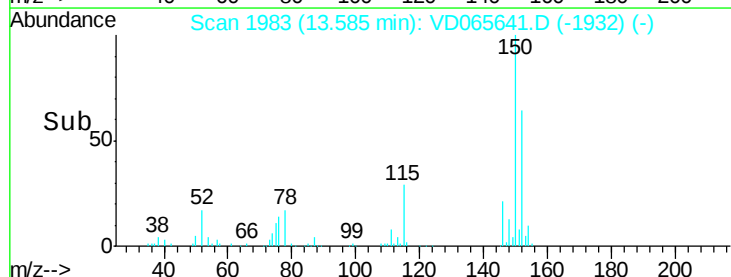
150 171.6 0.0 346.0

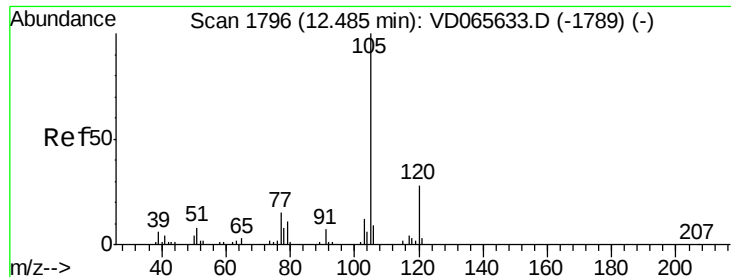


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.518 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

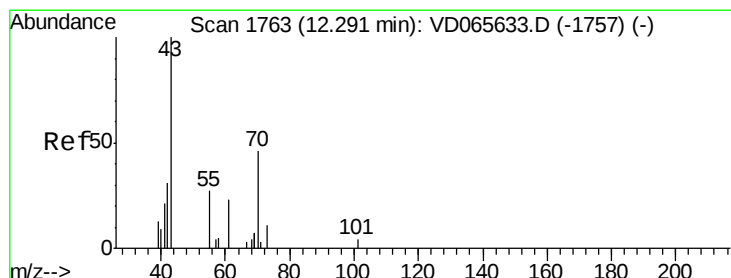
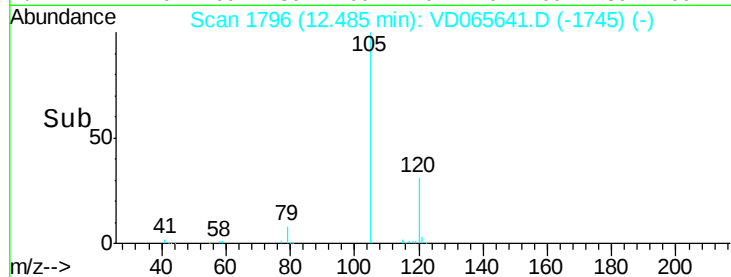
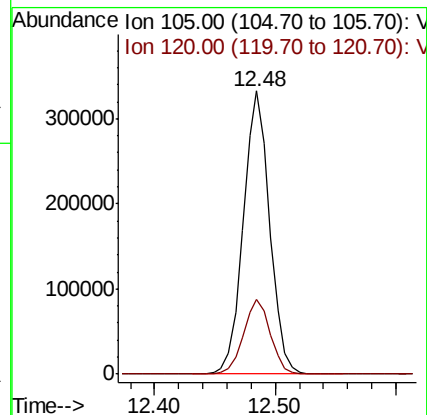
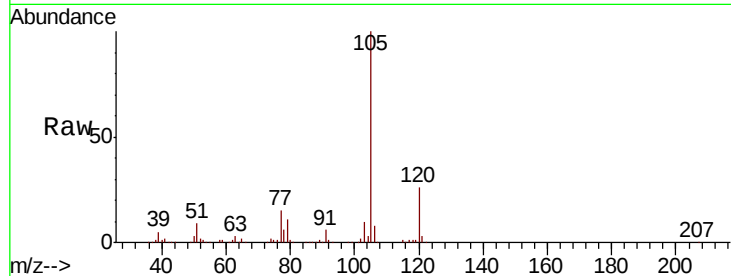
VSTDCCC050

Tot Ion:105 Resp: 504437

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 41.579 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion: 43 Resp: 98055

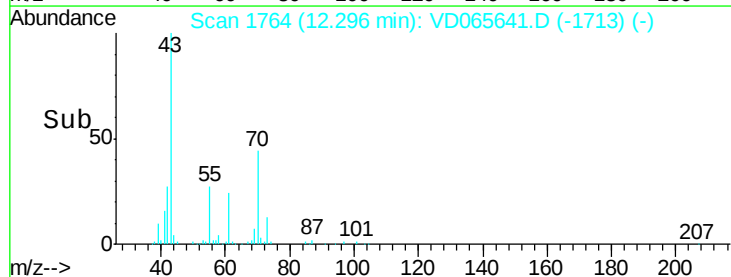
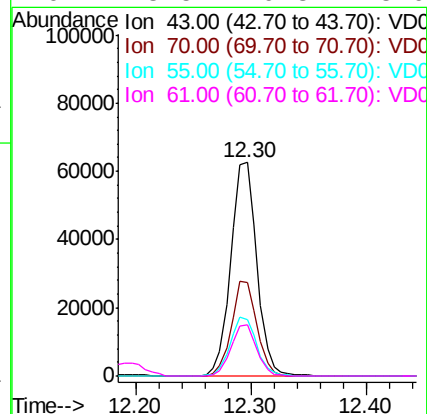
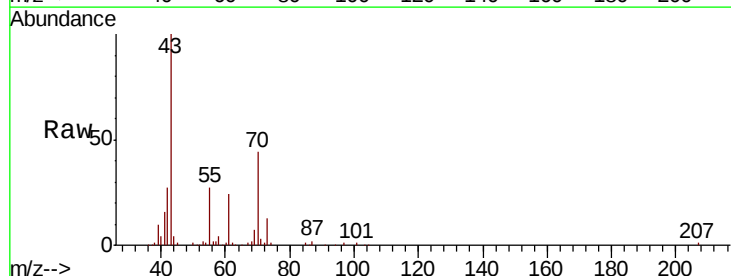
Ion Ratio Lower Upper

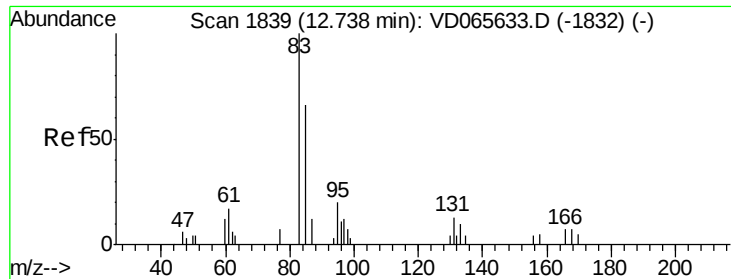
43 100

70 43.0 35.4 53.0

55 27.9 22.2 33.2

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 43.187 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

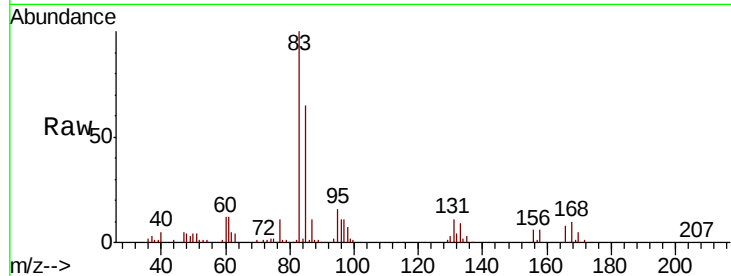
Tot Ion: 83 Resp: 79883

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

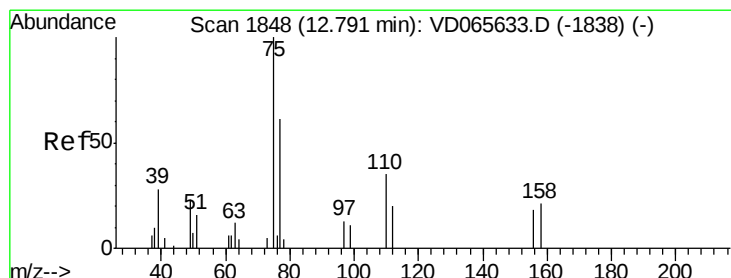
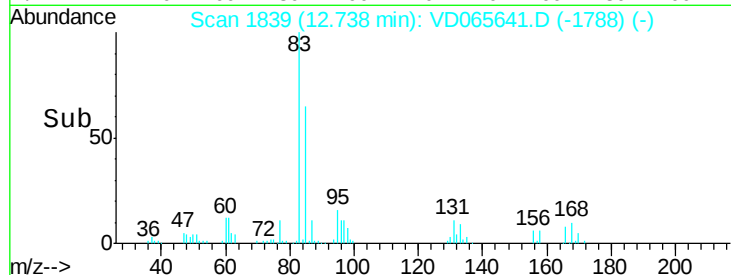
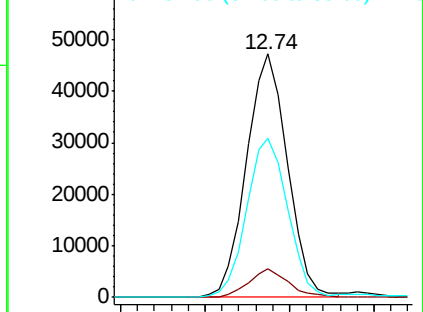
85 65.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 78.862 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065641.D

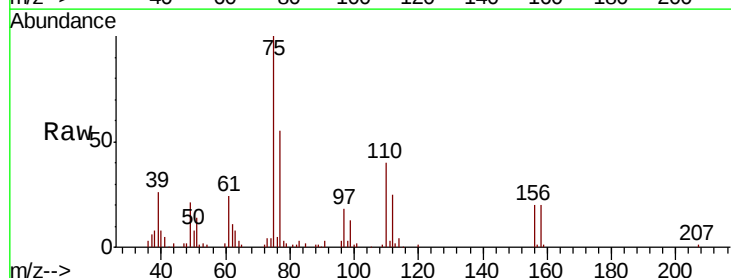
Acq: 17 Apr 2020 13:16

Tgt Ion: 75 Resp: 107096

Ion Ratio Lower Upper

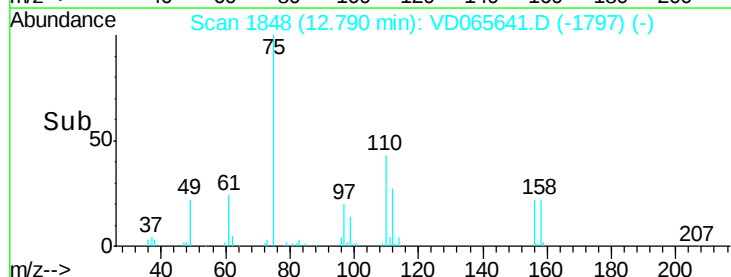
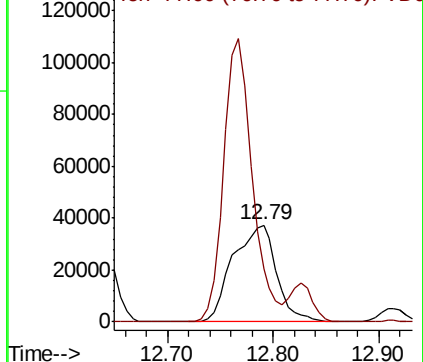
75 100

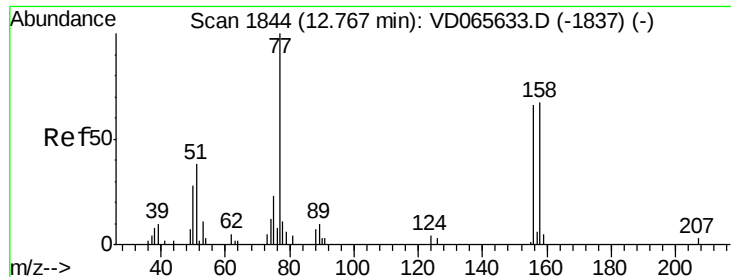
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 45.004 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

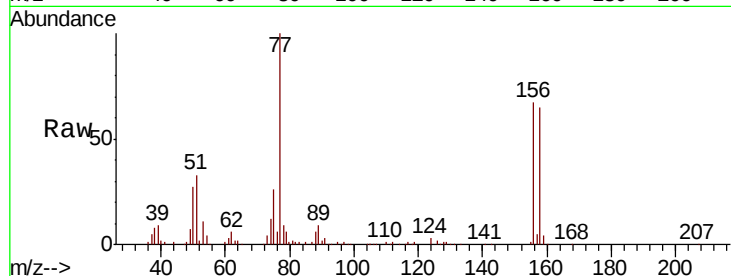
Tot Ion:156 Resp: 121743

Ion Ratio Lower Upper

156 100

77 169.1 84.7 254.1

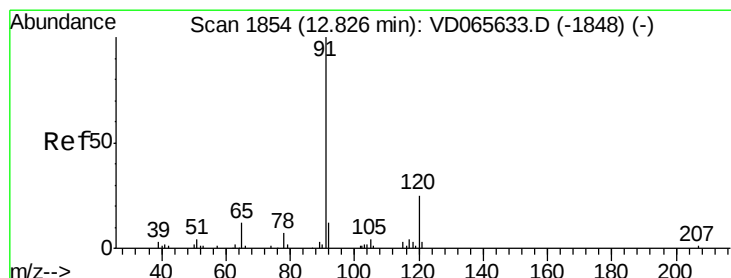
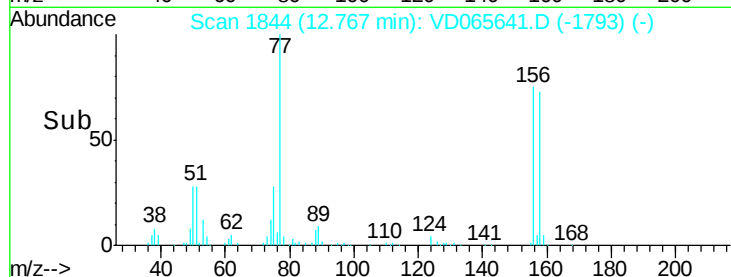
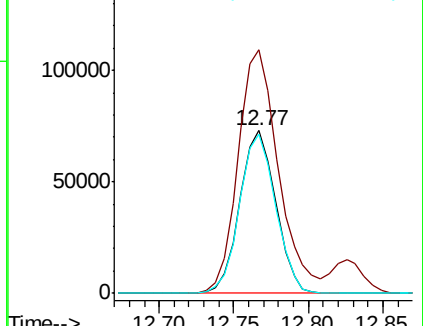
158 98.2 48.5 145.5



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: 49.430 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065641.D

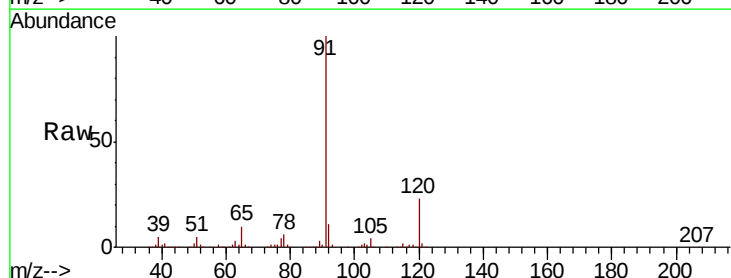
Acq: 17 Apr 2020 13:16

Tgt Ion: 91 Resp: 609148

Ion Ratio Lower Upper

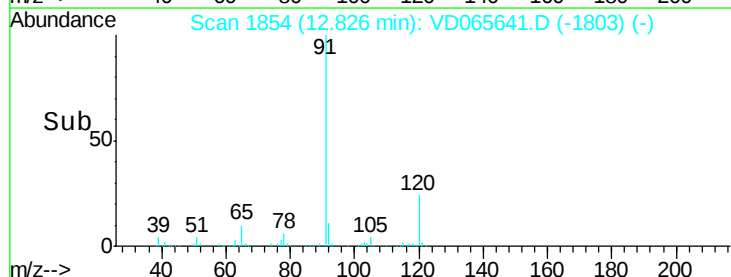
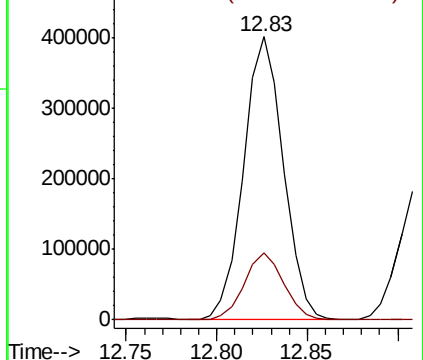
91 100

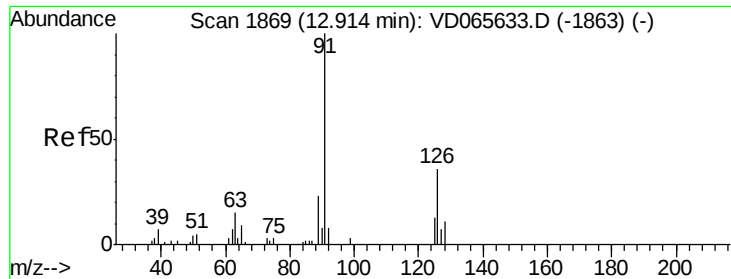
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

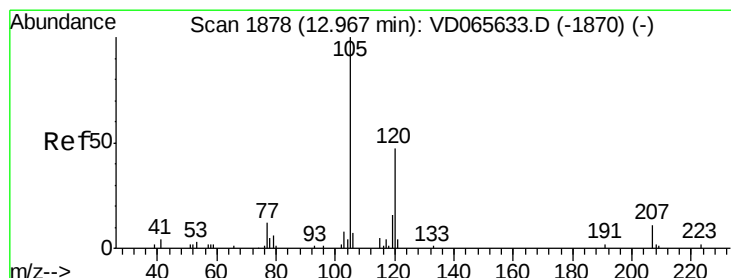
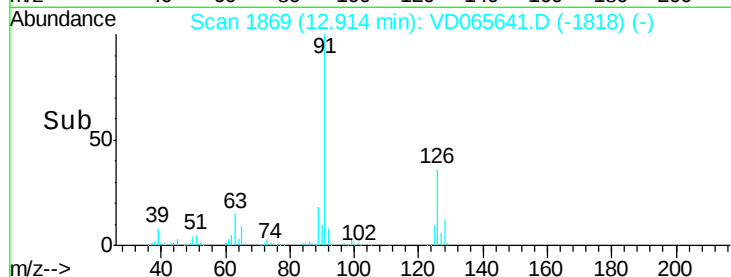
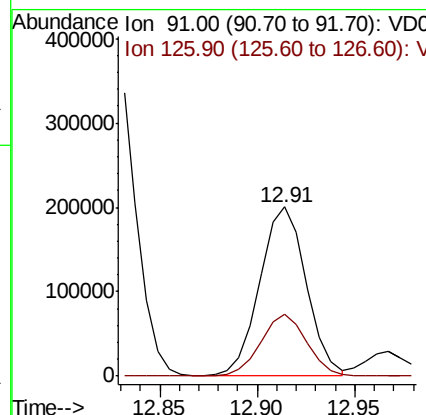
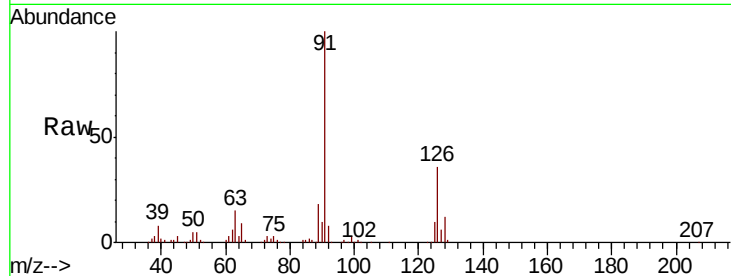




#79
 2-Chlorotoluene
 Concen: 47.217 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

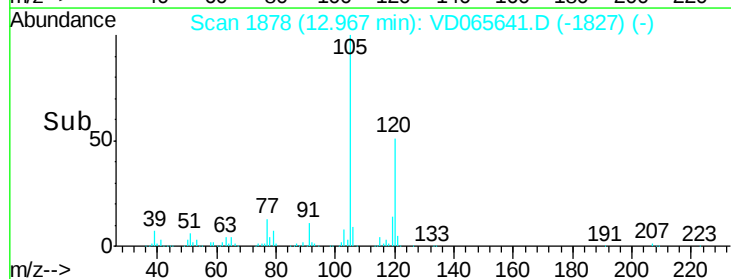
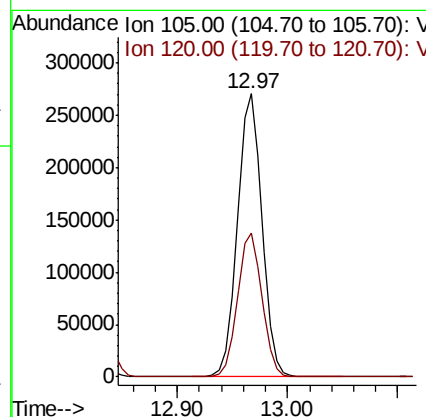
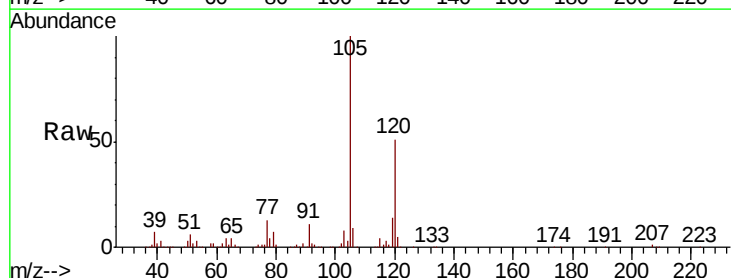
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

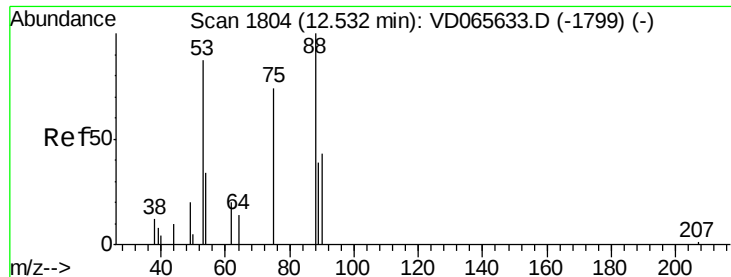
Tot Ion: 91 Resp: 330442
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.969 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 105 Resp: 420975
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.550 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

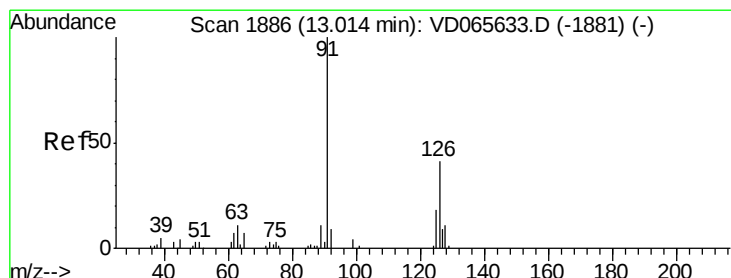
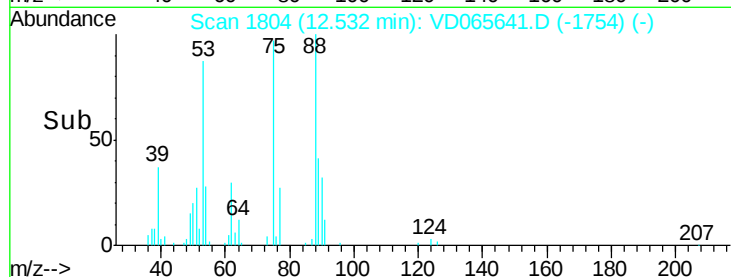
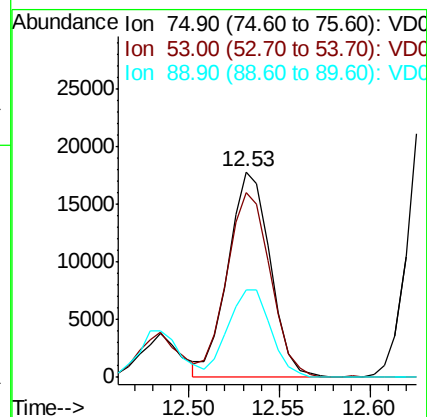
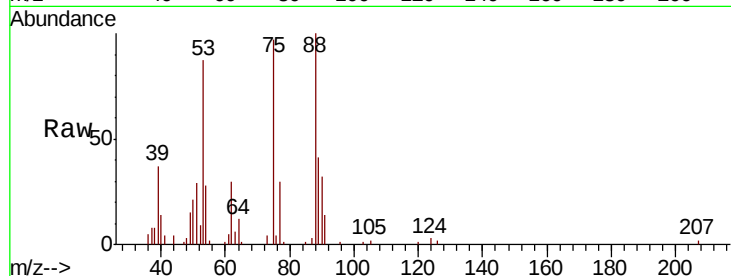
Tot Ion: 75 Resp: 28844

Ion Ratio Lower Upper

75 100

53 93.4 76.8 115.2

89 43.1 36.1 54.1



#82

4-Chlorotoluene

Concen: 47.351 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065641.D

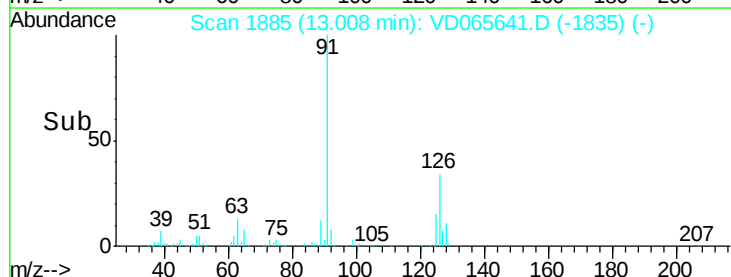
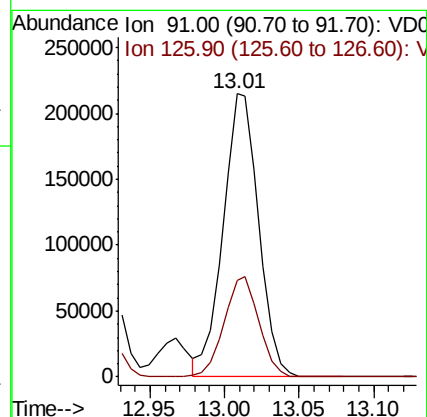
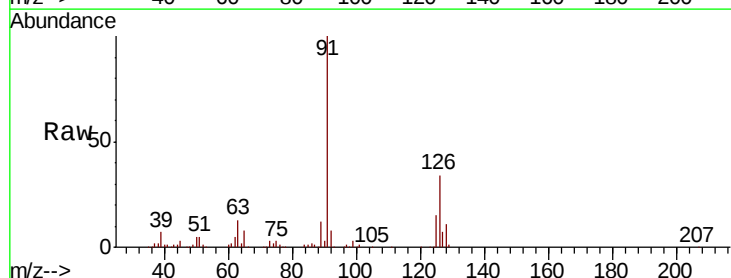
Acq: 17 Apr 2020 13:16

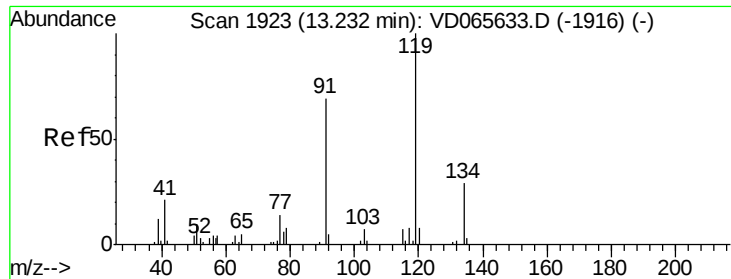
Tgt Ion: 91 Resp: 356597

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.6

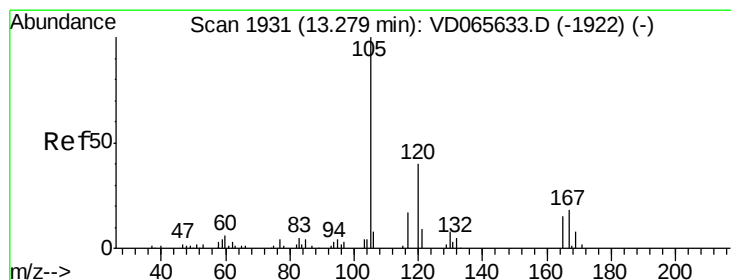
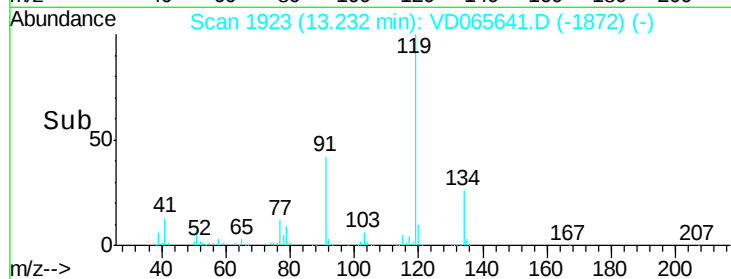
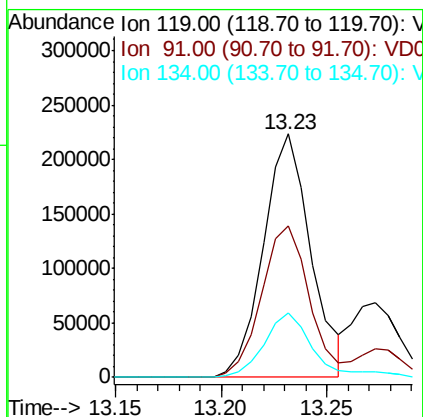
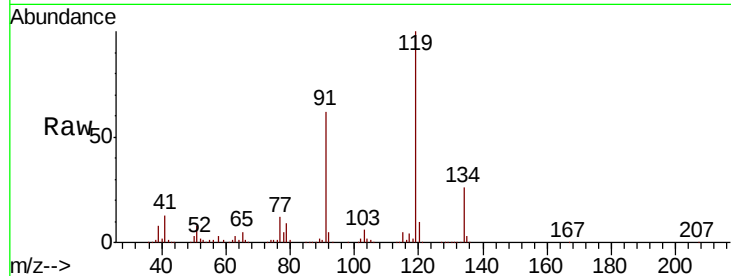




#83
 tert-Butylbenzene
 Concen: 48.445 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

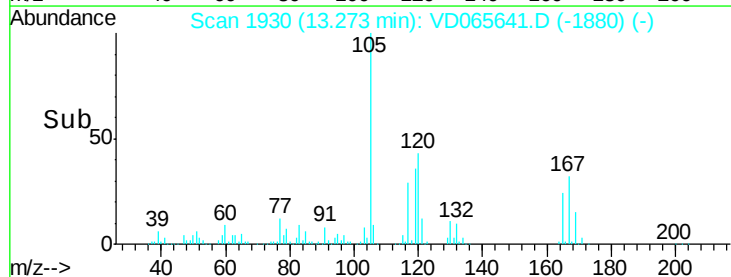
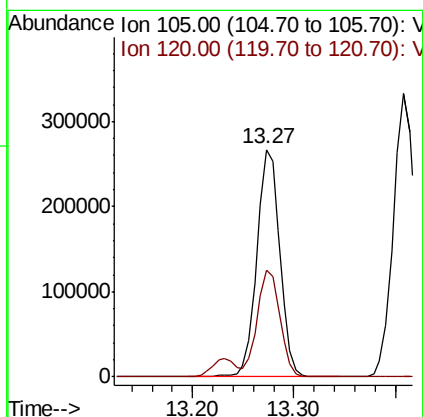
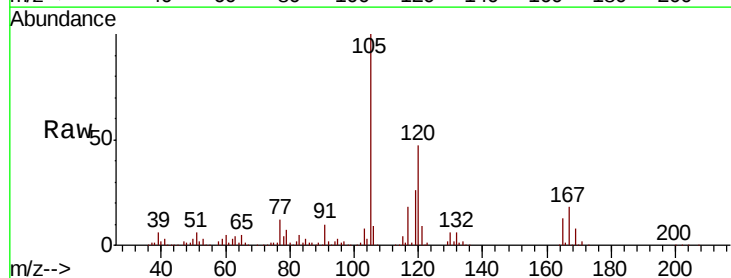
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

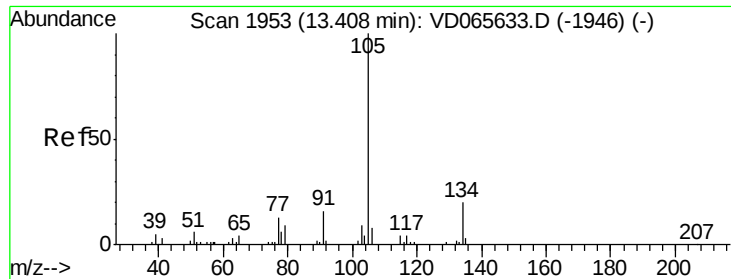
Tot Ion:119 Resp: 349190
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.7 95.1
 134 27.5 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.230 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion:105 Resp: 421930
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.6

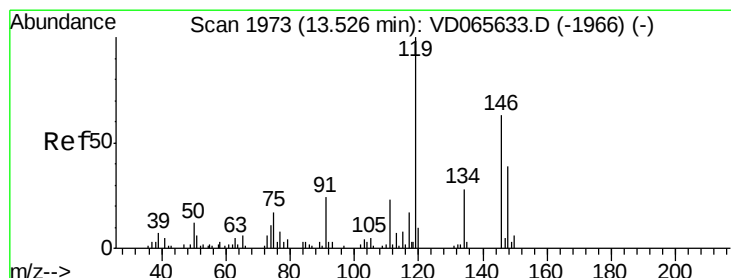
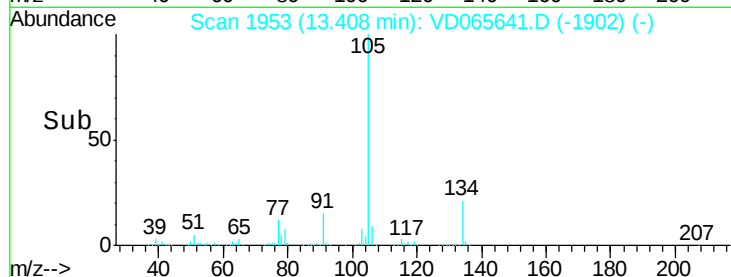
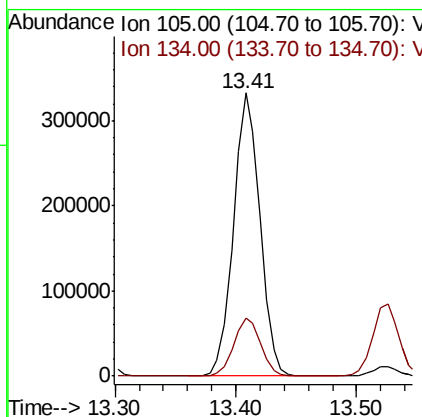
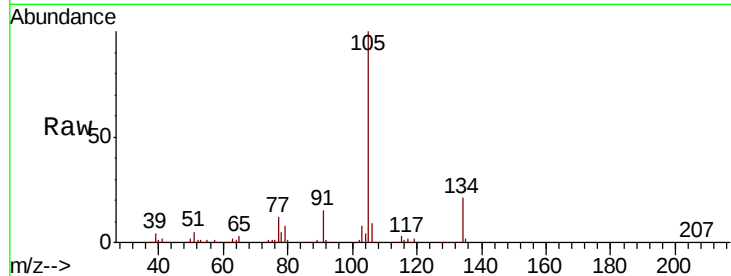




#85
 sec-Butylbenzene
 Concen: 49.070 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

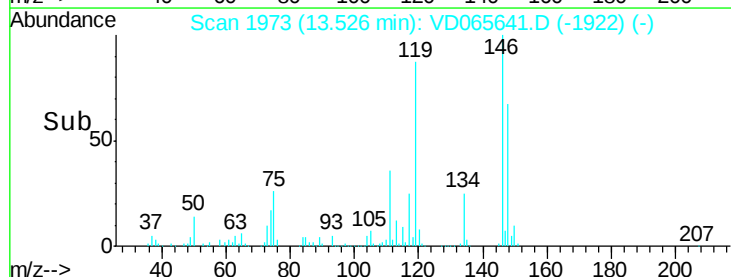
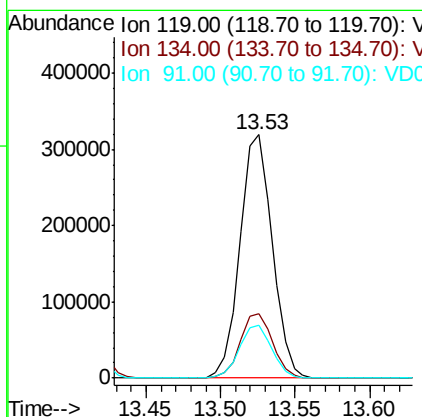
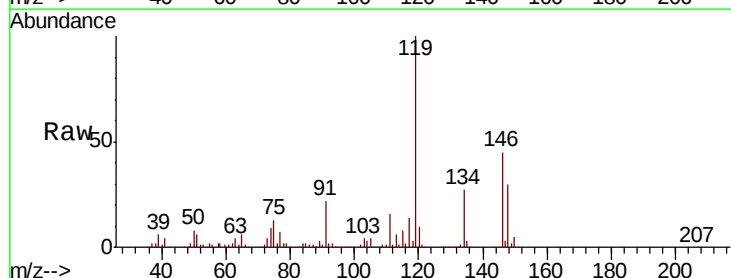
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

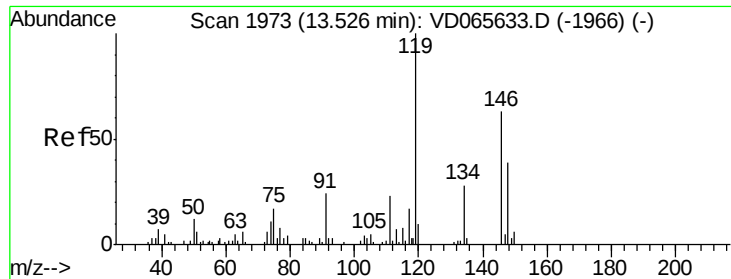
Tot Ion:105 Resp: 506020
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 49.462 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion:119 Resp: 478699
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 45.349 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

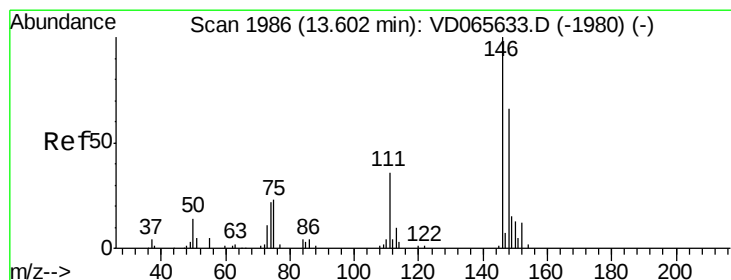
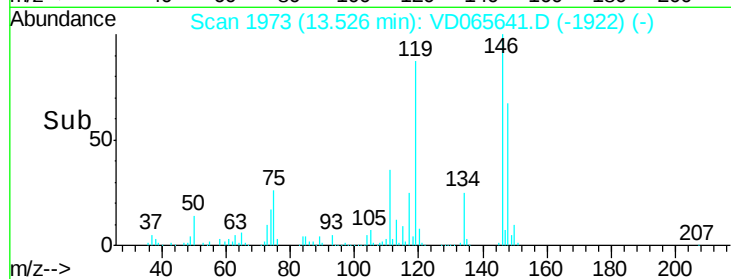
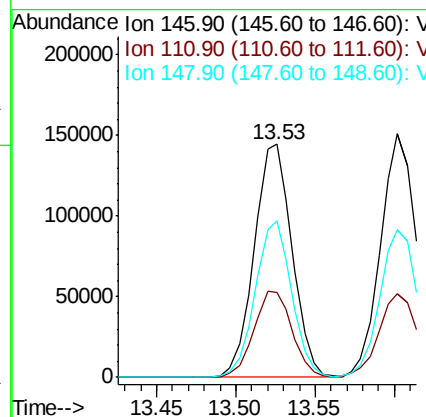
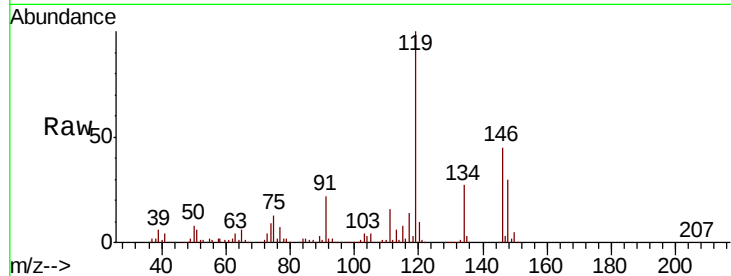
Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 240197

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	64.5	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 45.190 ug/l

RT: 13.60 min Scan# 1986

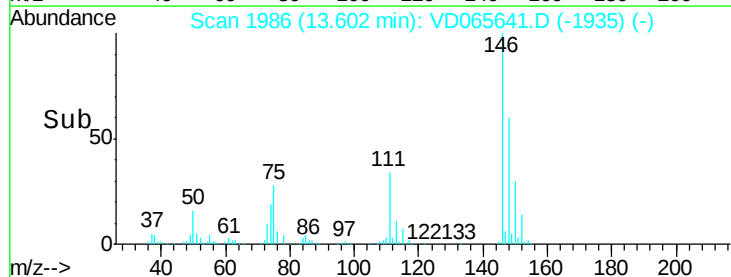
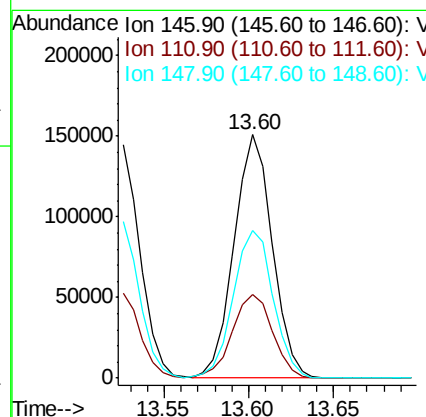
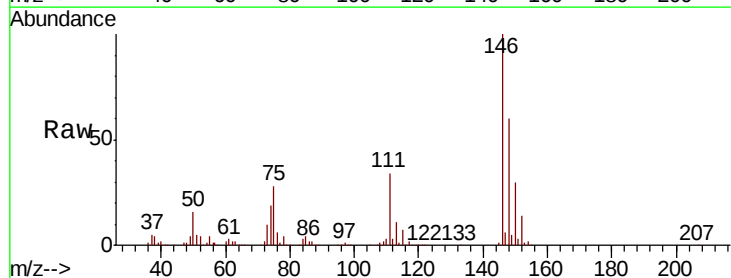
Delta R.T. -0.00 min

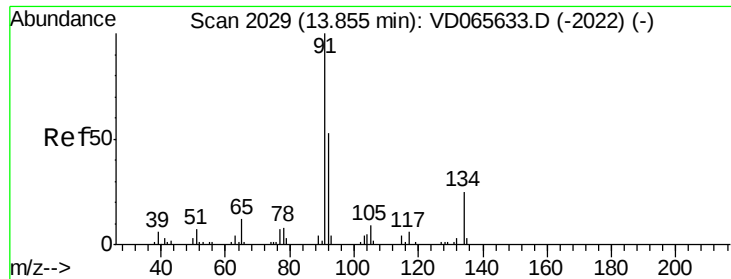
Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion:146 Resp: 238239

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.0	54.0
148	63.3	31.4	94.2

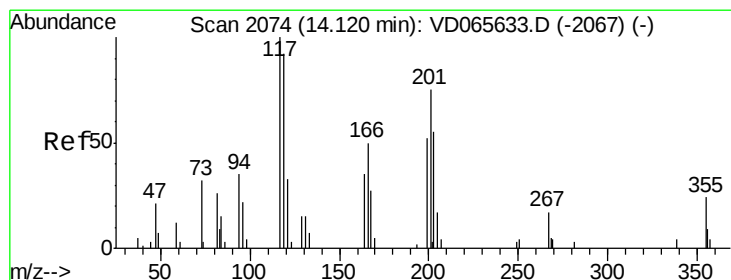
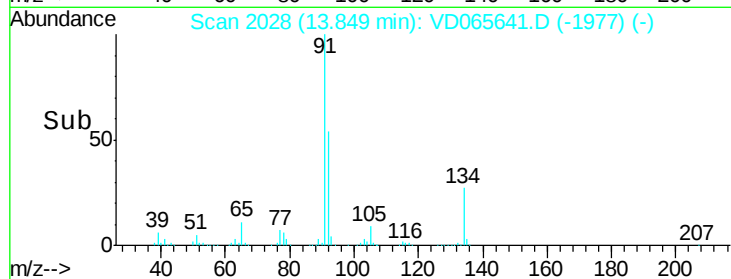
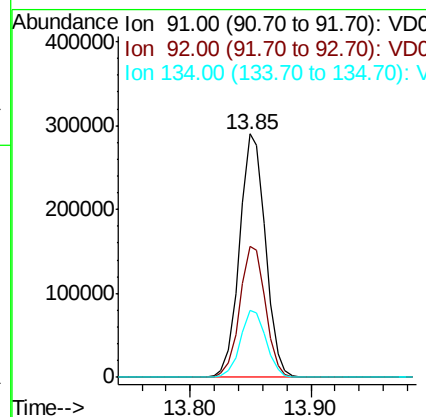
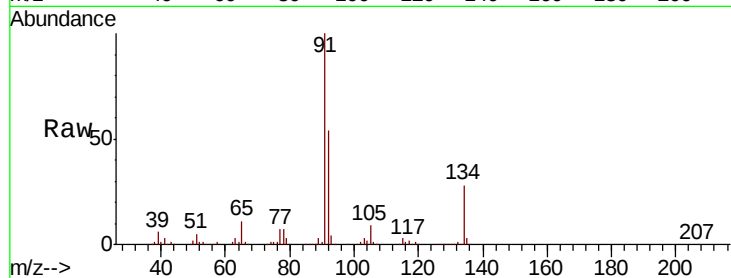




#89
n-Butylbenzene
Concen: 49.334 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

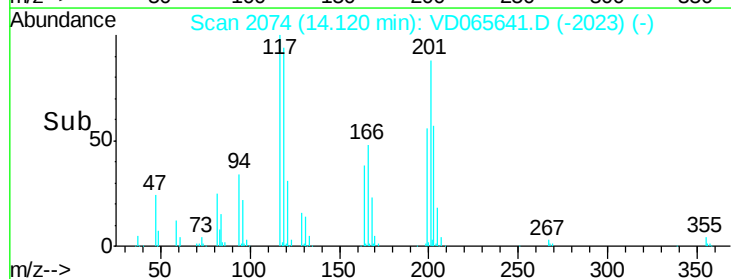
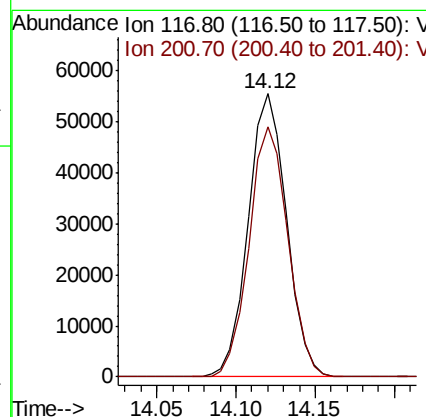
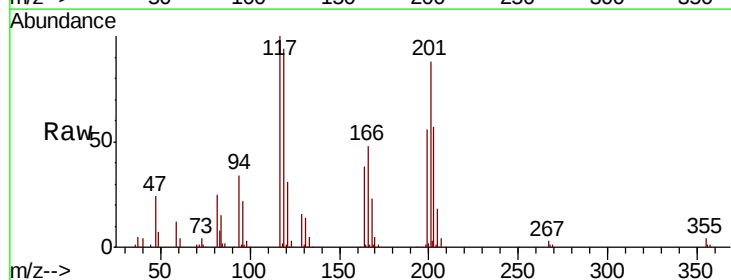
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

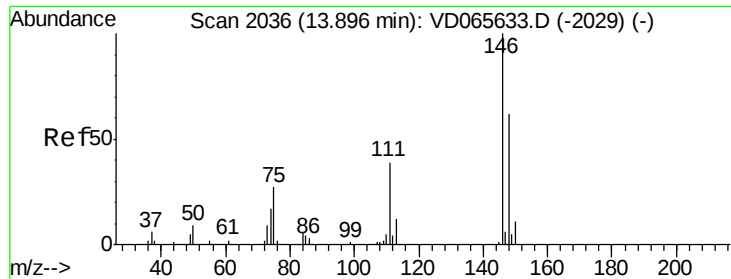
Tot Ion: 91 Resp: 433344
Ion Ratio Lower Upper
91 100
92 53.6 26.9 80.6
134 27.3 13.6 40.8



#90
Hexachloroethane
Concen: 45.961 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 117 Resp: 93285
Ion Ratio Lower Upper
117 100
201 89.3 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 44.939 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

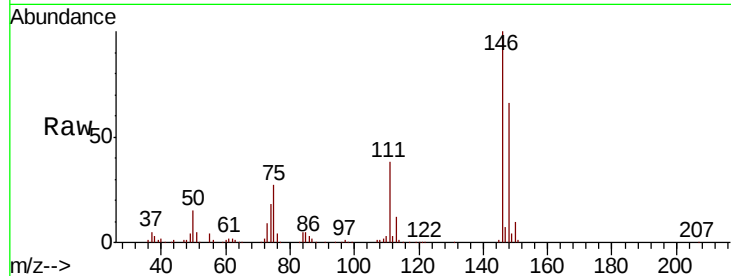
Tot Ion:146 Resp: 204092

Ion Ratio Lower Upper

146 100

111 38.1 19.3 57.9

148 64.9 32.0 96.0



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

13.90

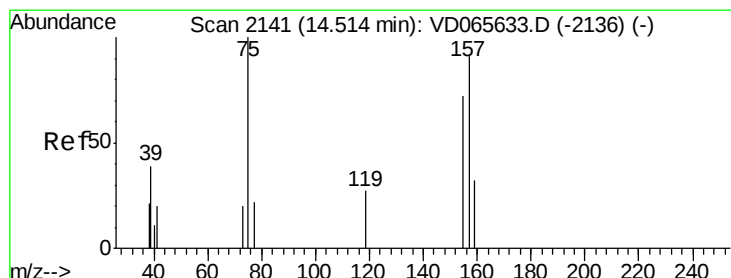
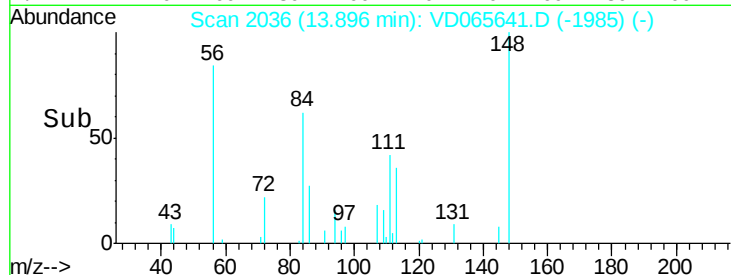
150000

100000

50000

0

Time--> 13.80 13.85 13.90 13.95



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.390 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

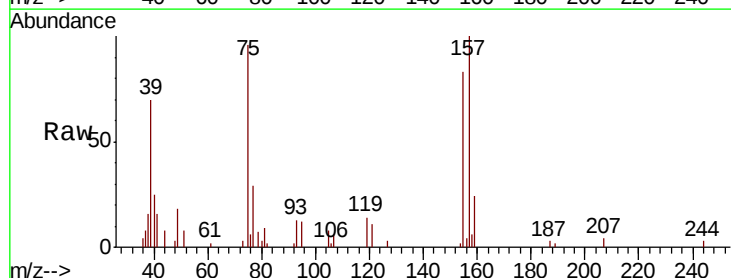
Tgt Ion: 75 Resp: 12697

Ion Ratio Lower Upper

75 100

155 86.6 48.0 144.2

157 109.8 59.2 177.6



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.51

10000

8000

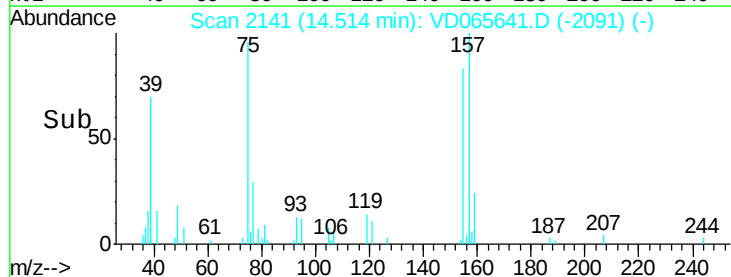
6000

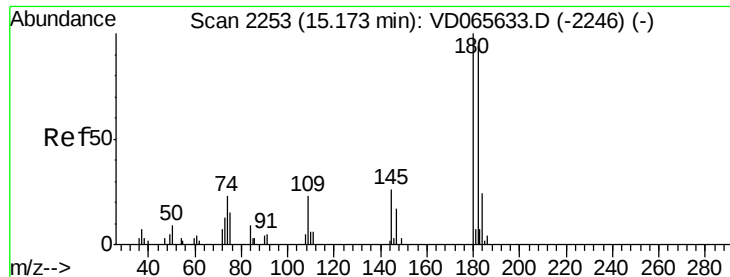
4000

2000

0

Time--> 14.45 14.50 14.55

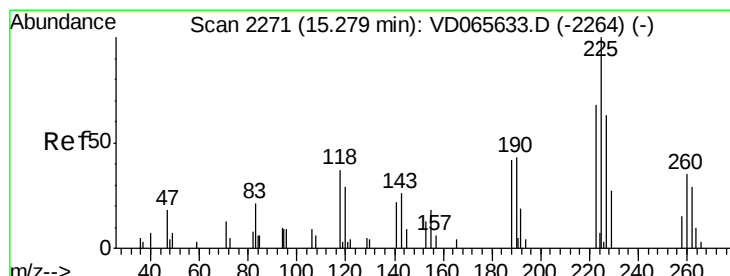
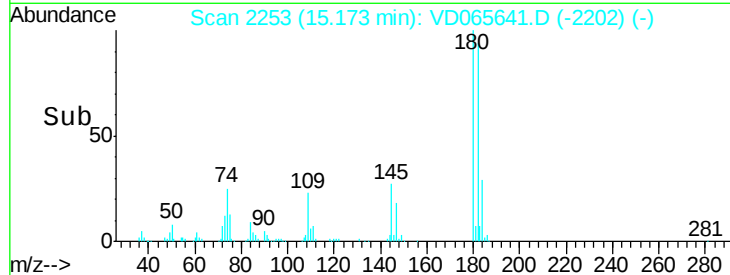
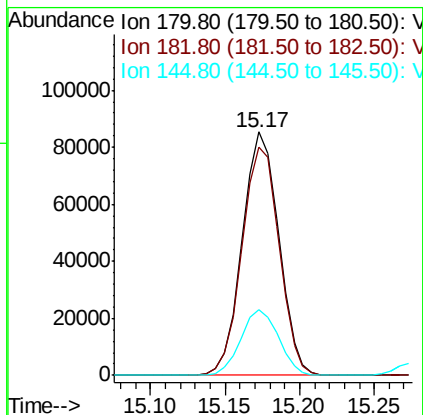
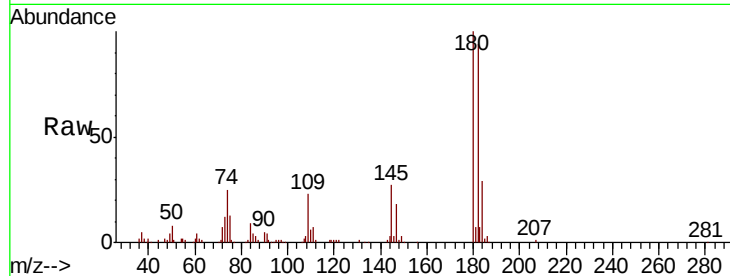




#93
 1,2,4-Trichlorobenzene
 Concen: 46.420 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

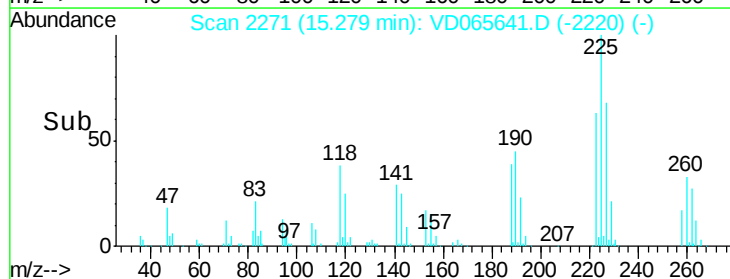
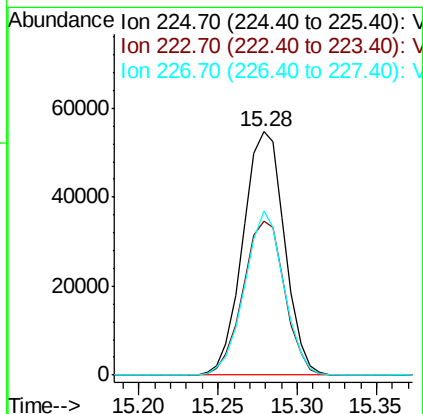
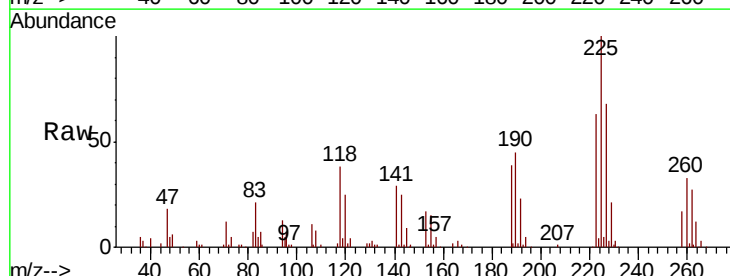
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

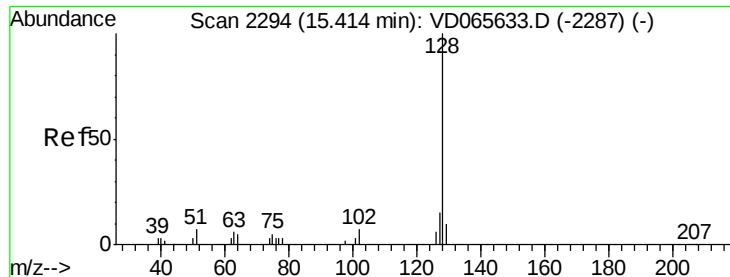
Tot Ion:180 Resp: 145003
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.9 146.6
 145 27.9 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 46.566 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion:225 Resp: 99734
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.5
 227 63.7 32.0 96.2

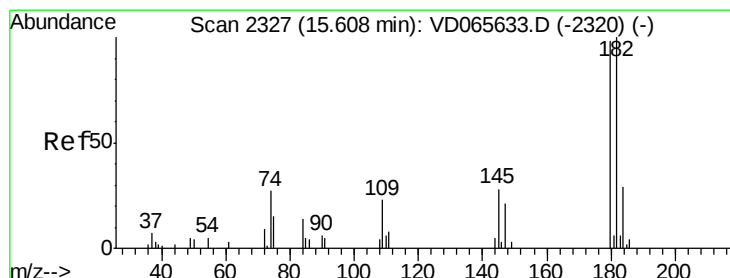
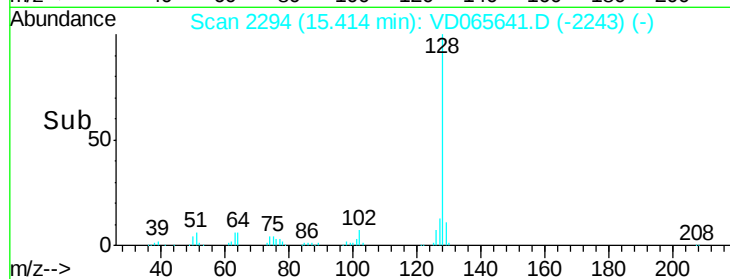
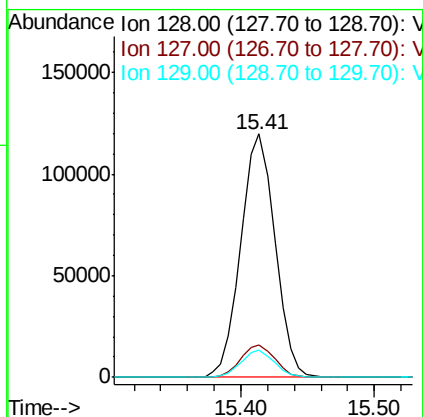
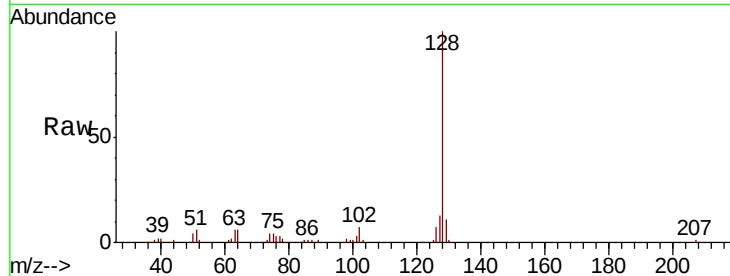




#95
Naphthalene
Concen: 40.574 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 212675
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.846 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:180 Resp: 126346
Ion Ratio Lower Upper
180 100
182 94.7 47.8 143.3
145 29.7 15.0 45.0

