

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065734.D
 Acq On : 14 May 2020 10:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 05:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	372622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	547104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	147782	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.91	113	158212	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.34	98	608213	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.64	95	201748	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	128450	52.542	ug/l	98
3) Chloromethane	2.21	50	175005	49.947	ug/l	98
4) Vinyl Chloride	2.35	62	197195	51.977	ug/l	98
5) Bromomethane	2.77	94	123209	49.152	ug/l	98
6) Chloroethane	2.92	64	125596	51.039	ug/l	99
7) Trichlorofluoromethane	3.27	101	269417	51.367	ug/l	96
8) Diethyl Ether	3.71	74	71708	47.582	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	164700	51.087	ug/l	99
10) Methyl Iodide	4.30	142	157997	46.914	ug/l	99
11) Tert butyl alcohol	5.22	59	51011	201.509	ug/l	99
12) 1,1-Dichloroethene	4.06	96	155690	50.916	ug/l	96
13) Acrolein	3.92	56	44371	269.060	ug/l	95
14) Allyl chloride	4.71	41	259688	49.118	ug/l	99
15) Acrylonitrile	5.42	53	154477	232.028	ug/l	99
16) Acetone	4.16	43	174059	282.598	ug/l	100
17) Carbon Disulfide	4.40	76	481950	49.903	ug/l	100
18) Methyl Acetate	4.71	43	68175	47.204	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	335310	47.003	ug/l	98
20) Methylene Chloride	4.96	84	161940	46.604	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	174436	49.547	ug/l	97
22) Diisopropyl ether	6.36	45	485639	48.248	ug/l	93
23) Vinyl Acetate	6.30	43	1434709	242.340	ug/l	98
24) 1,1-Dichloroethane	6.26	63	293147	49.742	ug/l	100
25) 2-Butanone	7.21	43	215957	245.280	ug/l	97
26) 2,2-Dichloropropane	7.21	77	277328	50.701	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	186706	48.393	ug/l	99
28) Bromochloromethane	7.54	49	119640	49.376	ug/l	100
29) Tetrahydrofuran	7.56	42	128521	230.232	ug/l	99
30) Chloroform	7.71	83	290887	48.839	ug/l	97
31) Cyclohexane	7.98	56	286802	48.076	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	281513	50.457	ug/l	97
36) 1,1-Dichloropropene	8.11	75	242703	51.082	ug/l	99
37) Ethyl Acetate	7.29	43	92718	45.551	ug/l	97
38) Carbon Tetrachloride	8.10	117	265872	52.759	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	311735	51.197	ug/l	99
40) Benzene	8.35	78	653735	50.037	ug/l	99
41) Methacrylonitrile	7.53	41	56686	50.567	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	179565	49.361	ug/l	99
43) Isopropyl Acetate	8.45	43	190823	47.299	ug/l	100
44) Trichloroethene	9.11	130	196037	50.120	ug/l	99
45) 1,2-Dichloropropane	9.39	63	161496	50.134	ug/l	96
46) Dibromomethane	9.47	93	83389	48.008	ug/l	99
47) Bromodichloromethane	9.66	83	224309	49.336	ug/l	93
48) Methyl methacrylate	9.46	41	93254	49.243	ug/l	97
49) 1,4-Dioxane	9.46	88	19034	928.732	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	452227	234.234	ug/l	100
52) Toluene	10.41	92	427399	49.934	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	217427	48.951	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	261240	49.447	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115483	48.804	ug/l	94
56) Ethyl methacrylate	10.66	69	147944	47.971	ug/l	96
57) 1,3-Dichloropropane	10.95	76	198080	48.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	347498	242.190	ug/l	100
59) 2-Hexanone	10.99	43	329297	250.467	ug/l	98
60) Dibromochloromethane	11.14	129	156304	49.327	ug/l	99
61) 1,2-Dibromoethane	11.25	107	113924	48.206	ug/l	100
64) Tetrachloroethene	10.88	164	168528	51.479	ug/l	96
65) Chlorobenzene	11.67	112	445751	49.964	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	168858	50.555	ug/l	99
67) Ethyl Benzene	11.75	91	824606	51.838	ug/l	98
68) m/p-Xylenes	11.86	106	629509	103.613	ug/l	100
69) o-Xylene	12.18	106	287295	50.796	ug/l	96
70) Styrene	12.20	104	489077	50.670	ug/l	100
71) Bromoform	12.37	173	93718	50.838	ug/l #	100
73) Isopropylbenzene	12.48	105	805834	51.987	ug/l	100
74) N-amyl acetate	12.29	43	175794	48.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	119605	48.751	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	160520	93.154	ug/l #	100
77) Bromobenzene	12.77	156	187138	50.087	ug/l	98
78) n-propylbenzene	12.83	91	938051	51.806	ug/l	100
79) 2-Chlorotoluene	12.91	91	510825	50.987	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	653169	51.141	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	43717	49.772	ug/l	97
82) 4-Chlorotoluene	13.01	91	536007	50.746	ug/l	99
83) tert-Butylbenzene	13.23	119	584719	51.629	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	640307	50.835	ug/l	100
85) sec-Butylbenzene	13.41	105	800915	51.972	ug/l	100
86) p-Isopropyltoluene	13.52	119	747178	52.749	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	351883	50.214	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	348824	49.975	ug/l	99
89) n-Butylbenzene	13.85	91	699768	52.831	ug/l	99
90) Hexachloroethane	14.12	117	143968	51.951	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	300915	49.645	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18916	46.107	ug/l	96

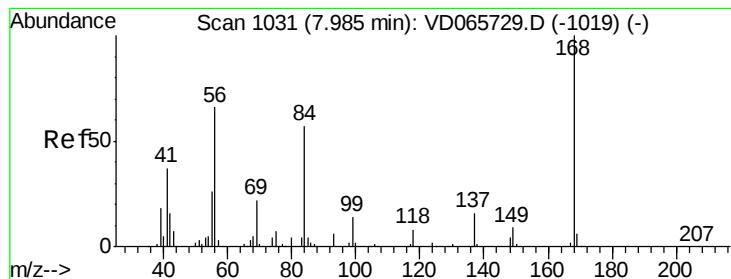
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	230956	50.088	ug/l	98
94) Hexachlorobutadiene	15.28	225	146264	52.908	ug/l	98
95) Naphthalene	15.41	128	374013	48.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194716	49.528	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. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

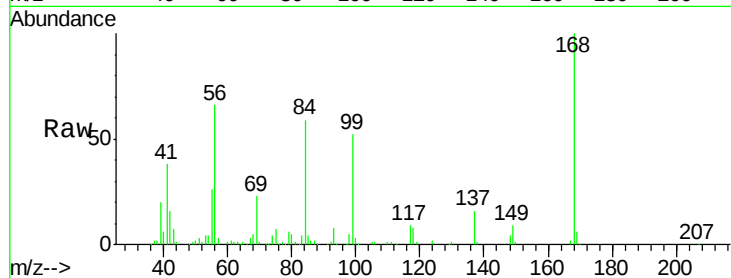
ClientSampleId :

Tot Ion:168 Resp: 372622

Ion Ratio Lower Upper

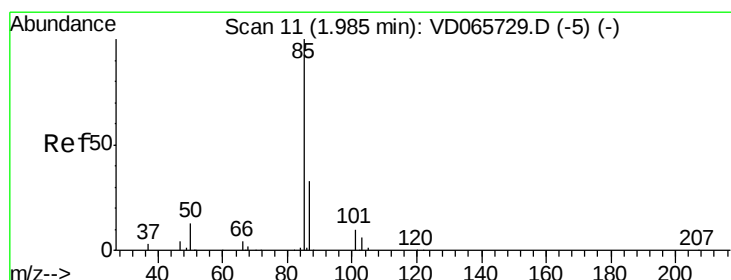
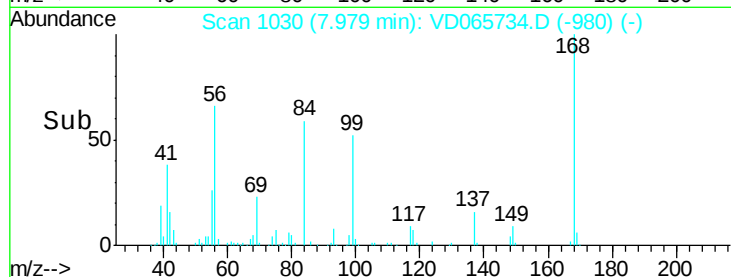
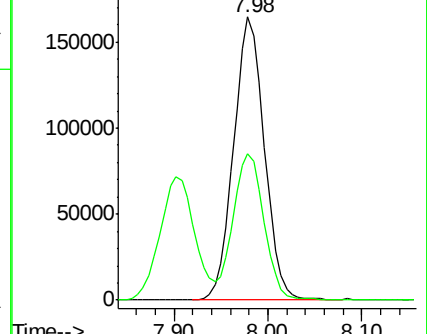
168 100

99 51.4 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.542 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065734.D

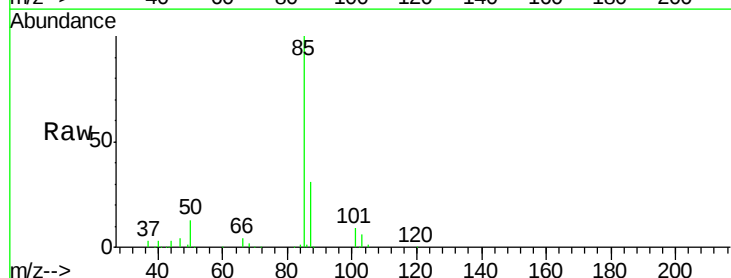
Acq: 14 May 2020 10:13

Tgt Ion: 85 Resp: 128450

Ion Ratio Lower Upper

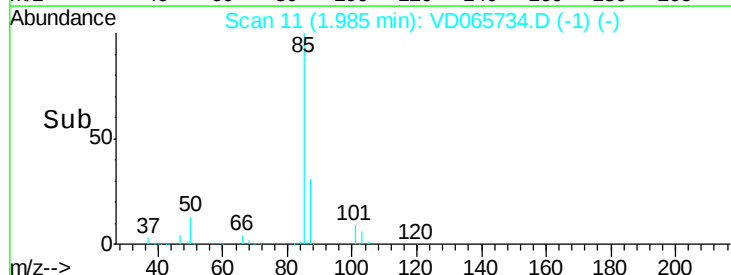
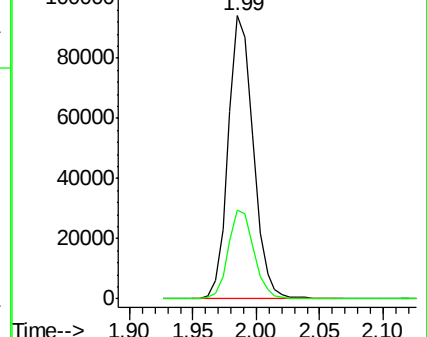
85 100

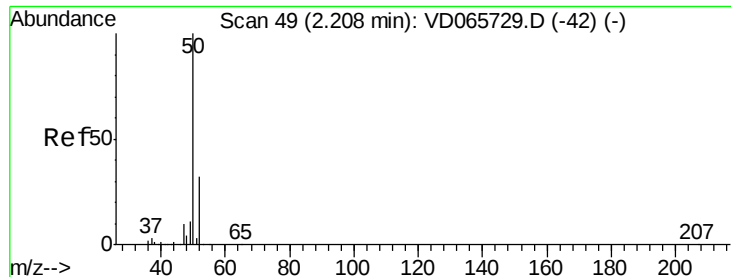
87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.947 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

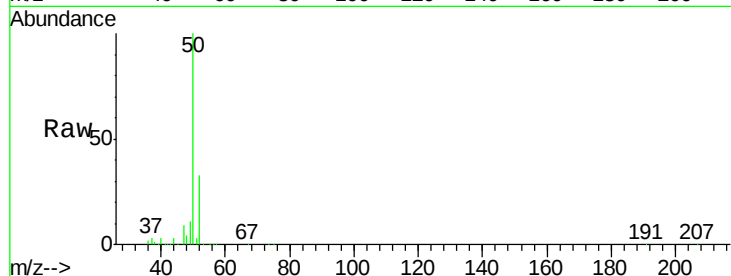
ClientSampled :

Tot Ion: 50 Resp: 175005

Ion Ratio Lower Upper

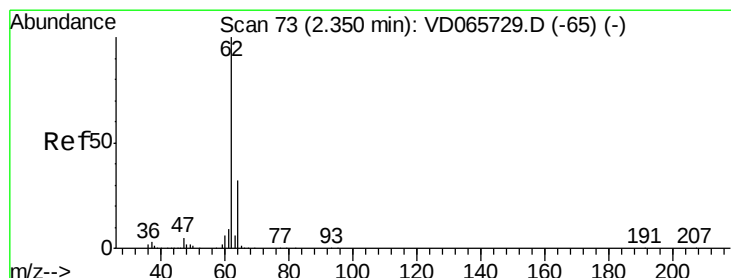
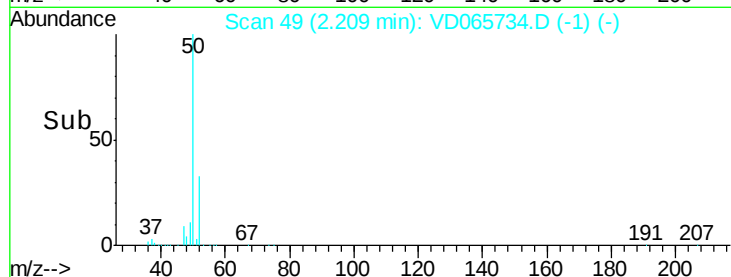
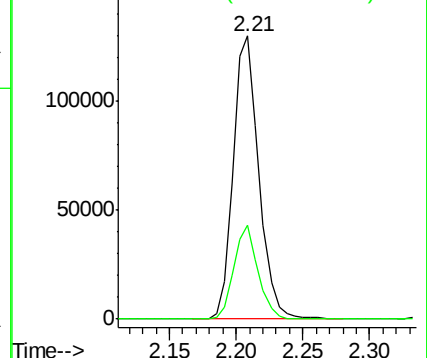
50 100

52 33.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.977 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065734.D

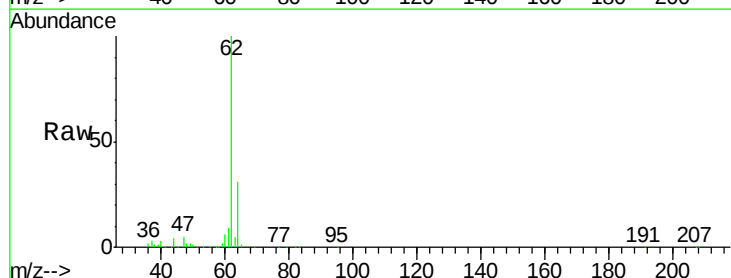
Acq: 14 May 2020 10:13

Tgt Ion: 62 Resp: 197195

Ion Ratio Lower Upper

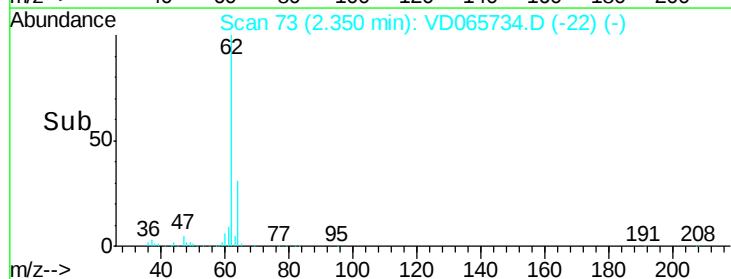
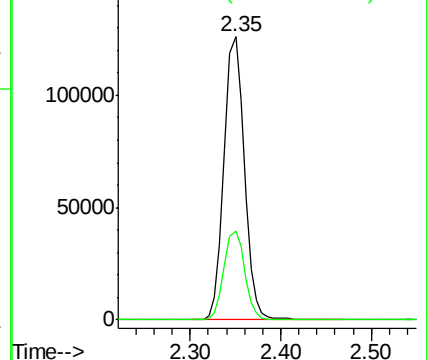
62 100

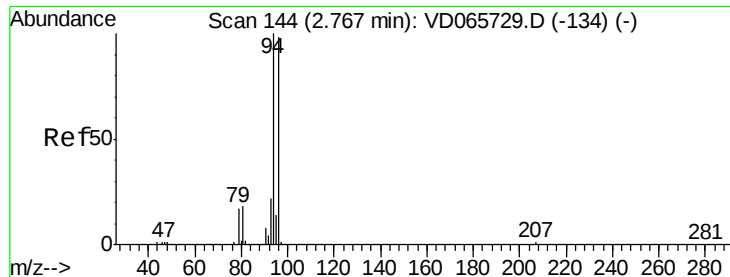
64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.152 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

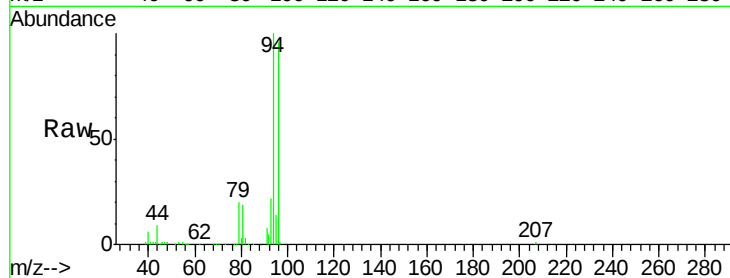
ClientSampleId :

Tot Ion: 94 Resp: 123209

Ion Ratio Lower Upper

94 100

96 96.0 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

50000

40000

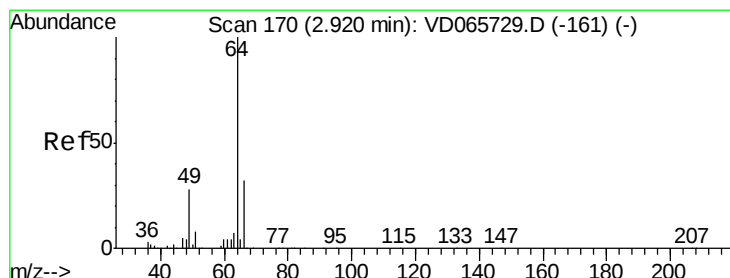
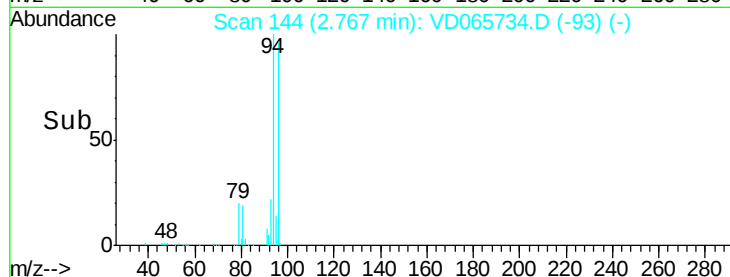
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 51.039 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065734.D

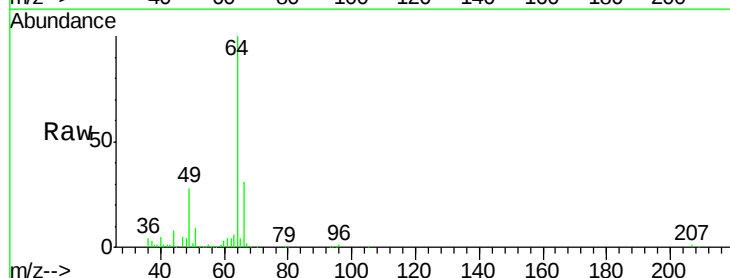
Acq: 14 May 2020 10:13

Tgt Ion: 64 Resp: 125596

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

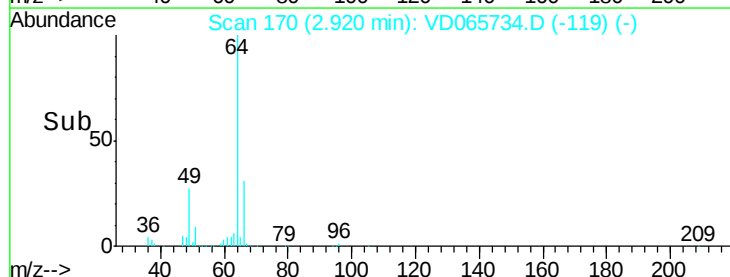
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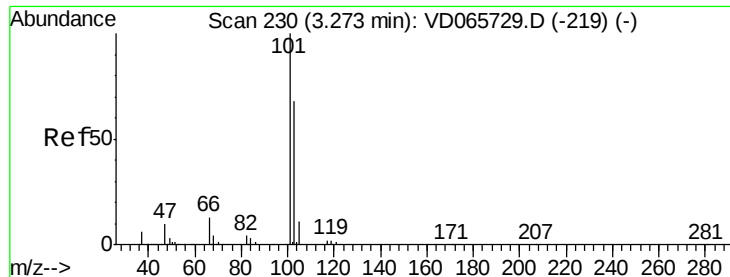
40000

20000

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Time-->



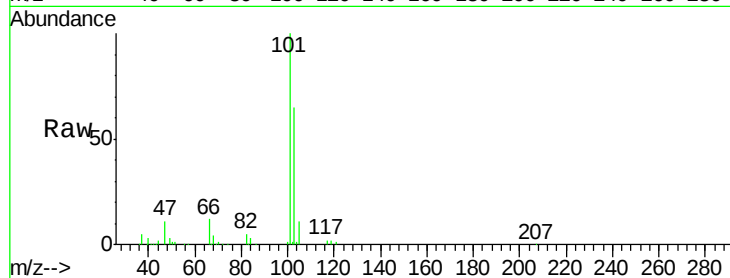


#7

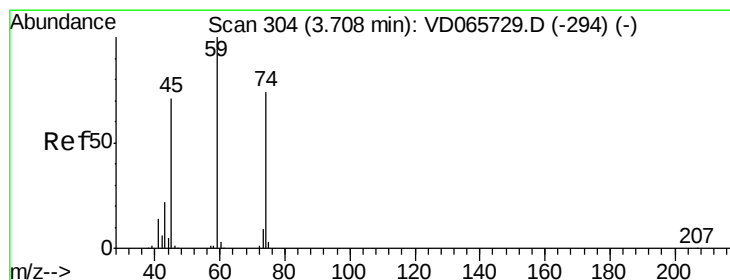
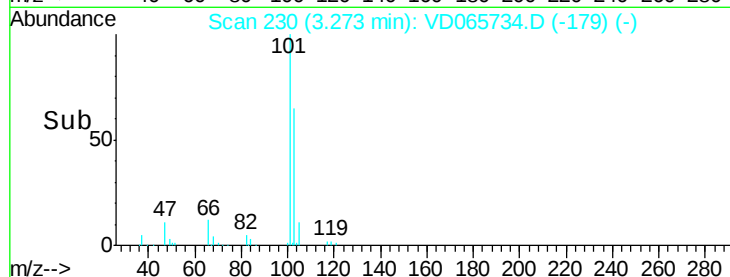
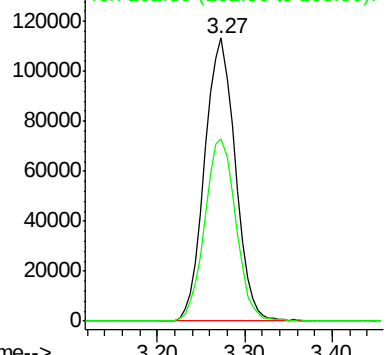
Trichlorofluoromethane
 Concen: 51.367 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 269417
 Ion Ratio Lower Upper
 101 100
 103 64.6 54.1 81.1



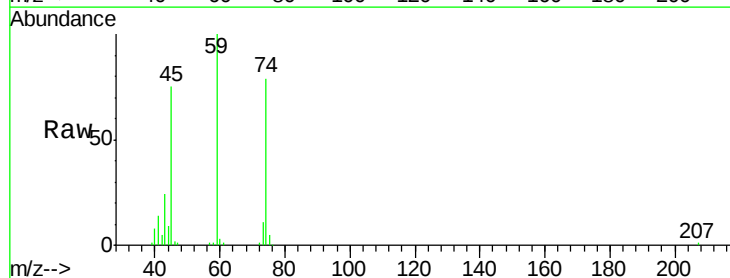
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



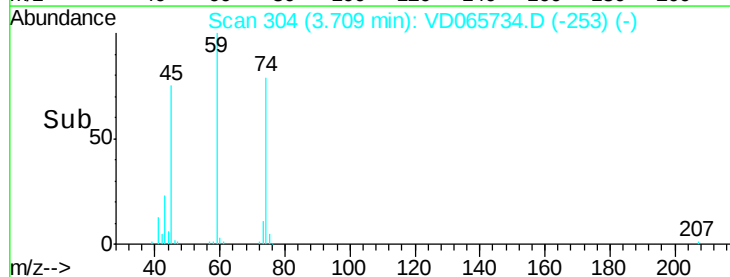
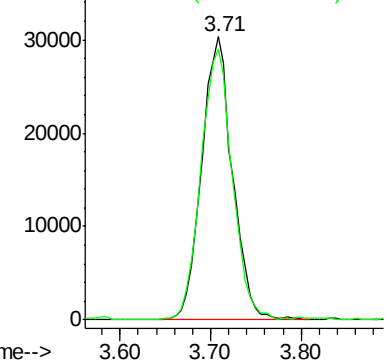
#8

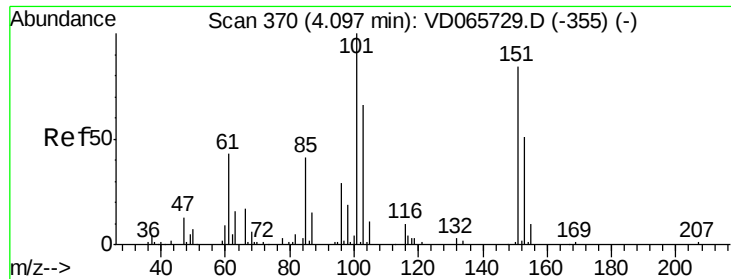
Diethyl Ether
 Concen: 47.582 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Tgt Ion: 74 Resp: 71708
 Ion Ratio Lower Upper
 74 100
 45 97.4 48.1 144.3



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: 51.087 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065734.D

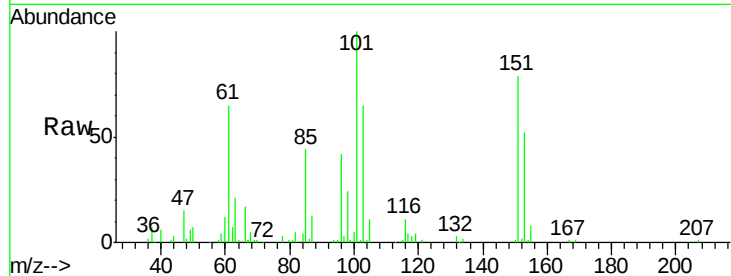
Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

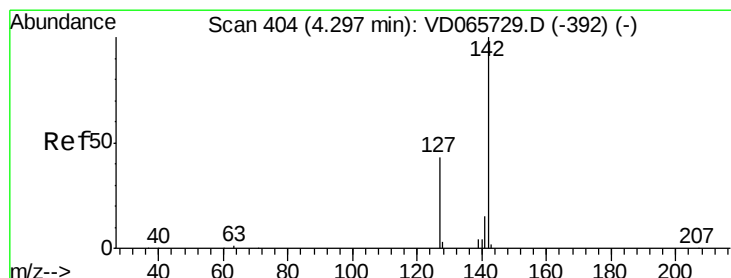
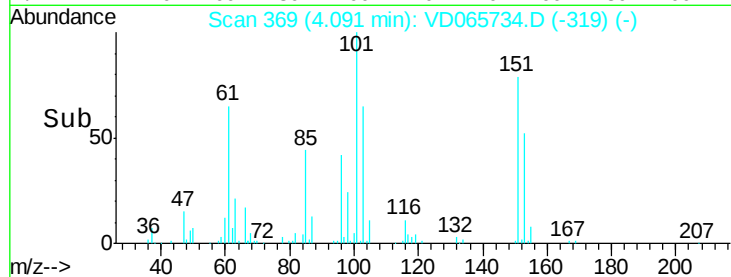
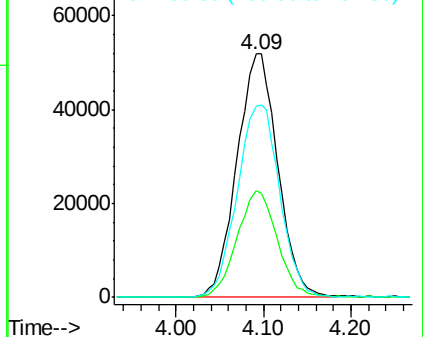
Tot Ion:	101	Resp:	164700
Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.1	51.1
151	82.3	65.1	97.7



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: 46.914 ug/l

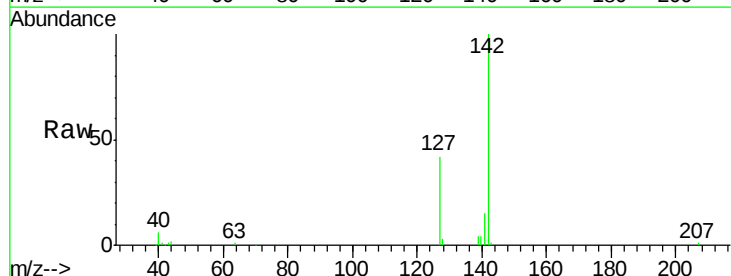
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

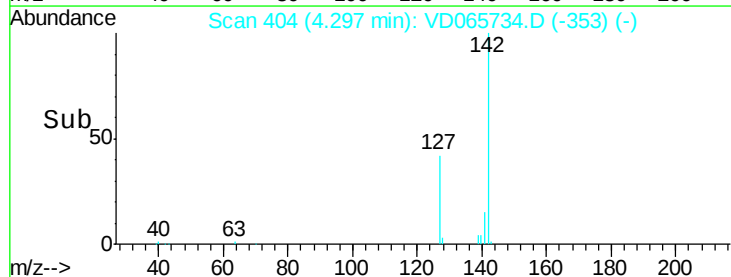
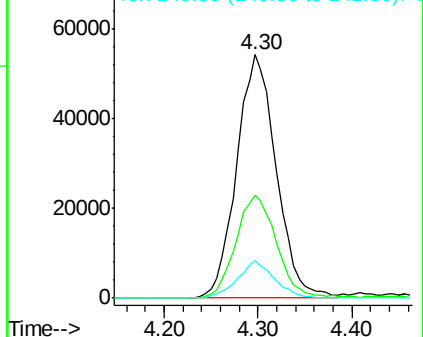
Tgt Ion:	142	Resp:	157997
Ion	Ratio	Lower	Upper
142	100		
127	43.5	34.2	51.4
141	14.2	11.7	17.5

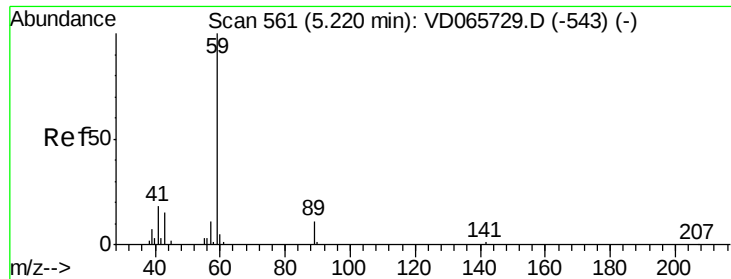


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

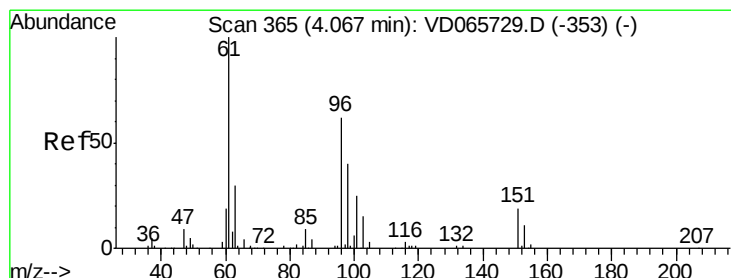
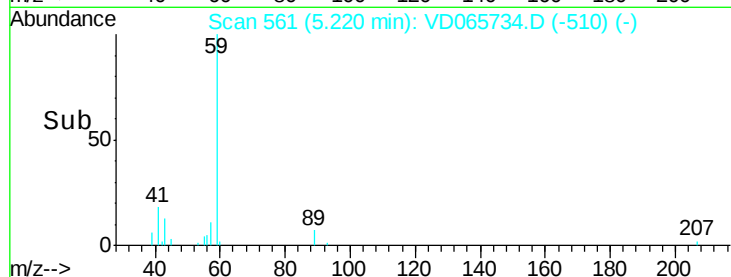
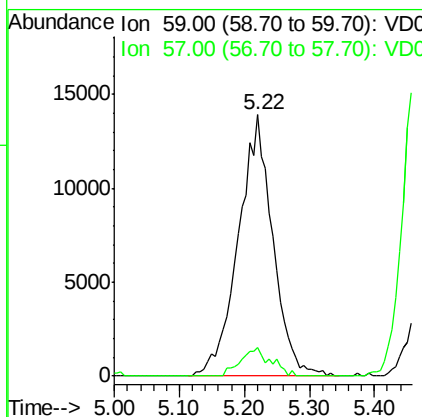
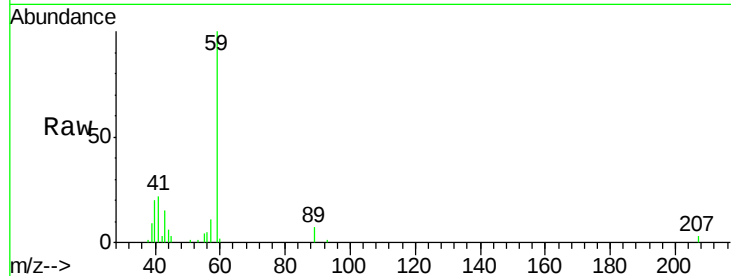




#11
Tert butyl alcohol
Concen: 201.509 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

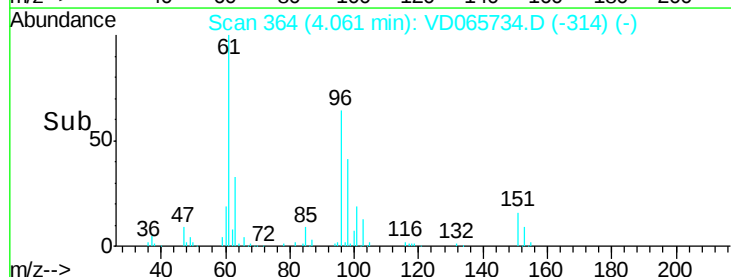
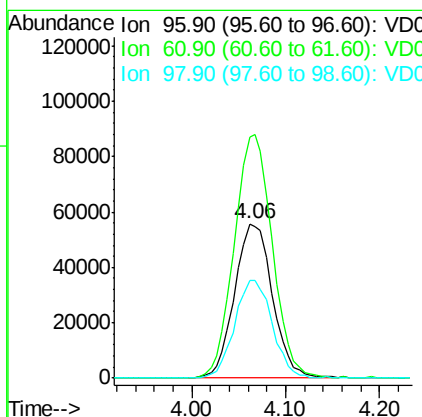
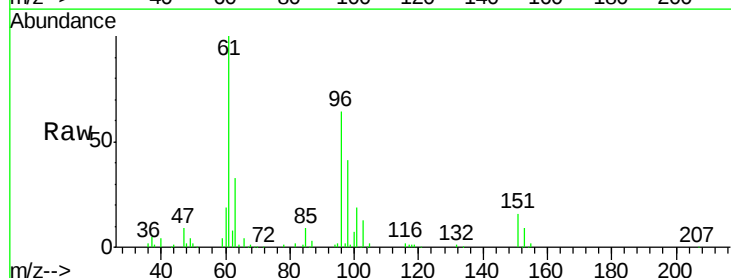
Instrument :
MSVOA_D
ClientSampleId :

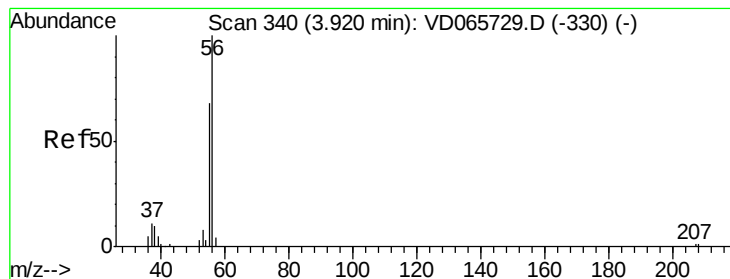
Tot Ion: 59 Resp: 51011
Ion Ratio Lower Upper
59 100
57 9.4 7.4 11.0



#12
1,1-Dichloroethene
Concen: 50.916 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 96 Resp: 155690
Ion Ratio Lower Upper
96 100
61 155.8 130.0 195.0
98 63.3 52.3 78.5





#13

Acrolein

Concen: 269.060 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

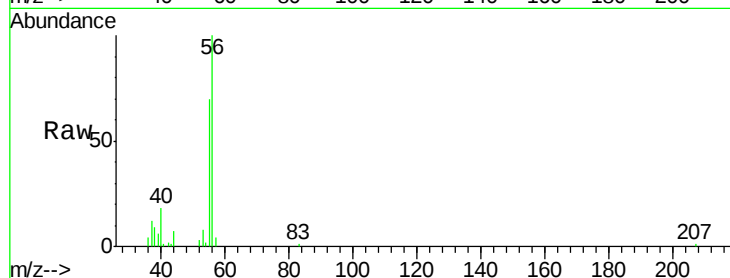
ClientSampleId :

Tot Ion: 56 Resp: 44371

Ion Ratio Lower Upper

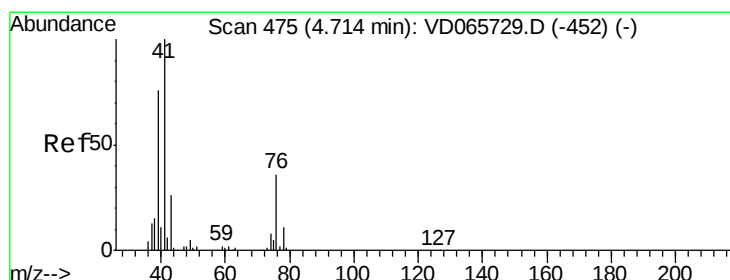
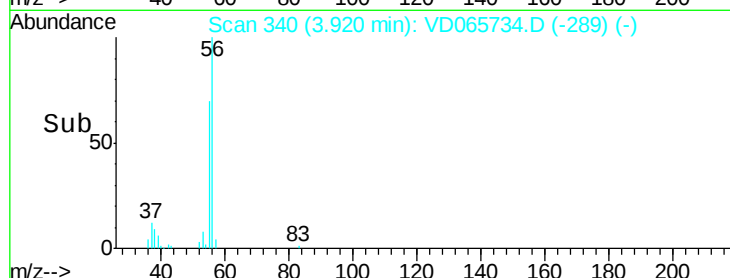
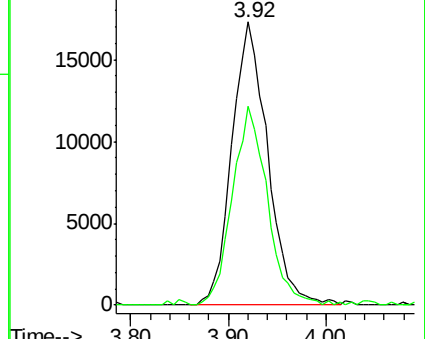
56 100

55 68.2 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.118 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

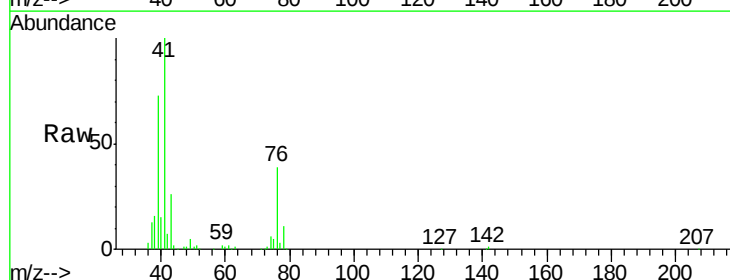
Tgt Ion: 41 Resp: 259688

Ion Ratio Lower Upper

41 100

39 72.4 57.4 86.2

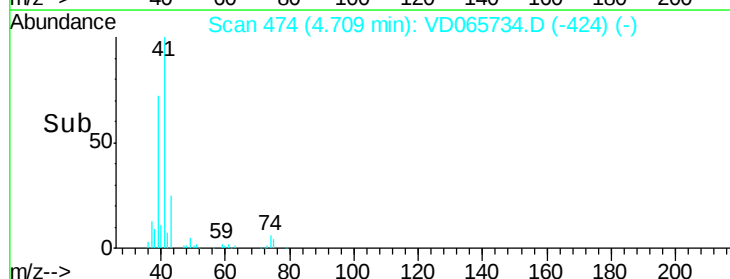
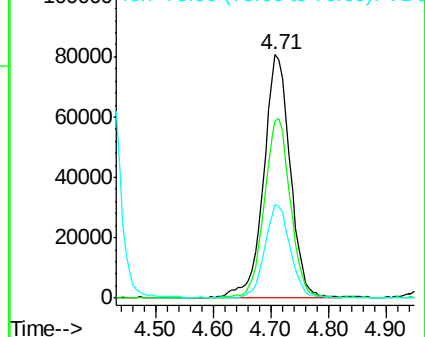
76 36.6 28.4 42.6

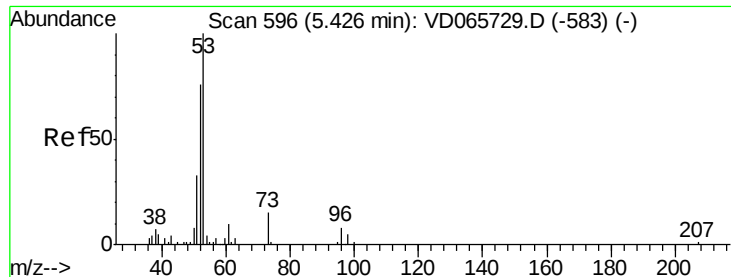


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 232.028 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

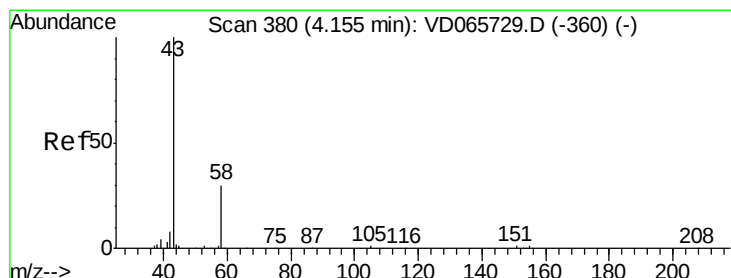
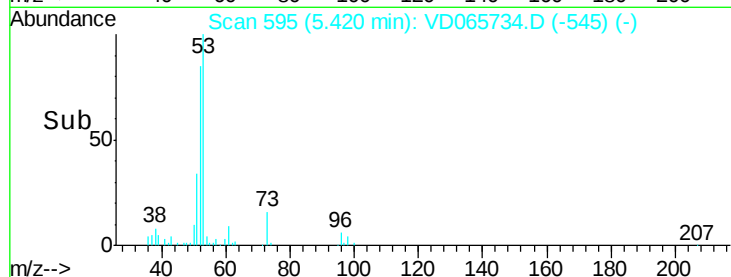
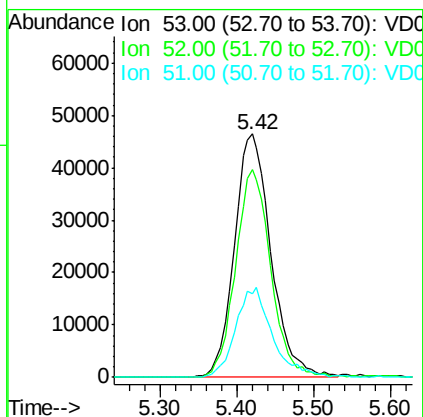
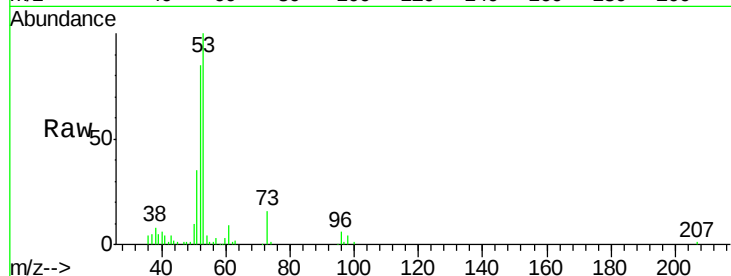
Tot Ion: 53 Resp: 154477

Ion Ratio Lower Upper

53 100

52 82.2 66.3 99.5

51 37.0 29.2 43.8



#16

Acetone

Concen: 282.598 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065734.D

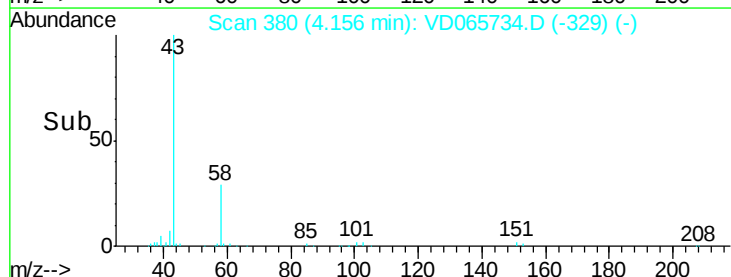
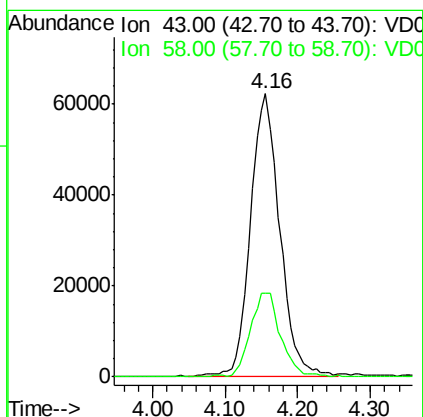
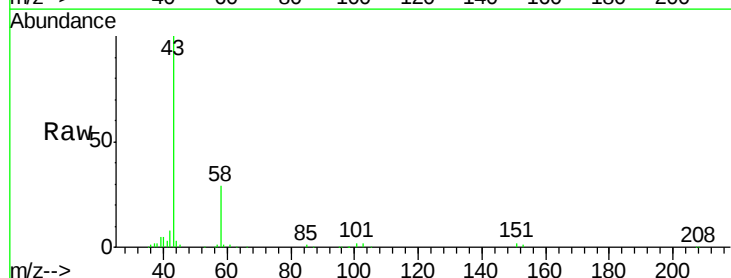
Acq: 14 May 2020 10:13

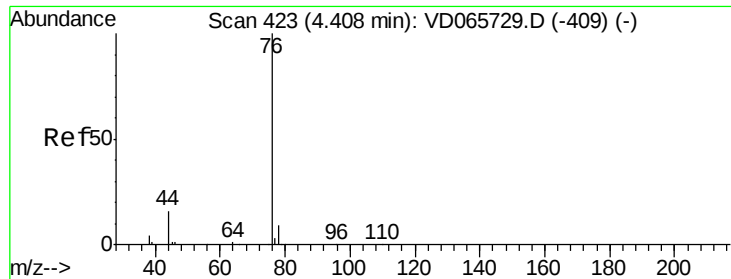
Tgt Ion: 43 Resp: 174059

Ion Ratio Lower Upper

43 100

58 29.5 23.7 35.5

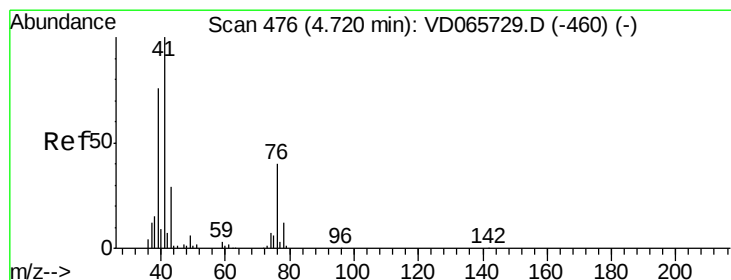
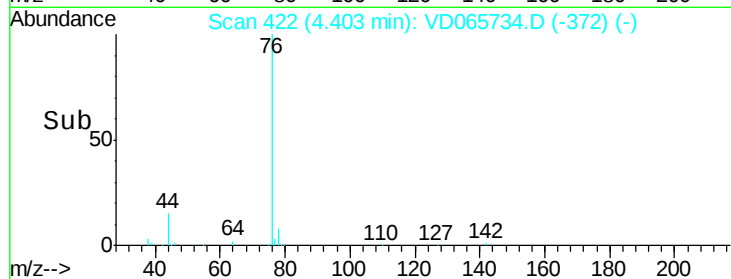
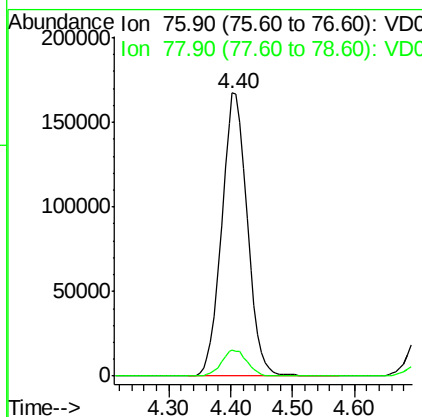
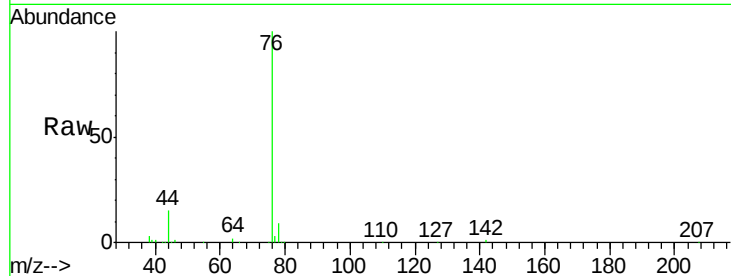




#17
Carbon Disulfide
Concen: 49.903 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

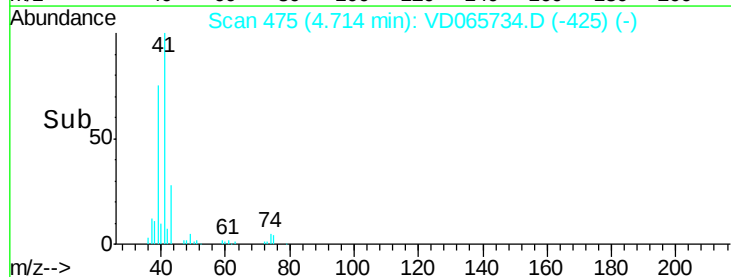
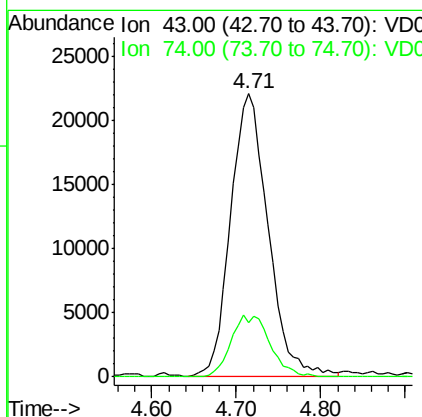
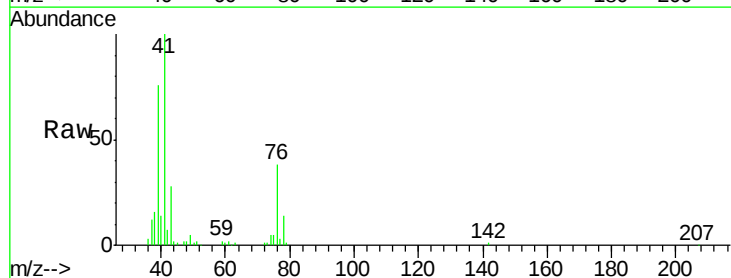
Instrument :
MSVOA_D
ClientSampleId :

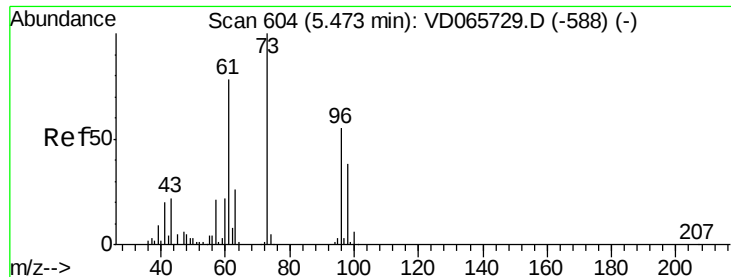
Tot Ion: 76 Resp: 481950
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 47.204 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 43 Resp: 68175
Ion Ratio Lower Upper
43 100
74 22.7 18.6 27.8

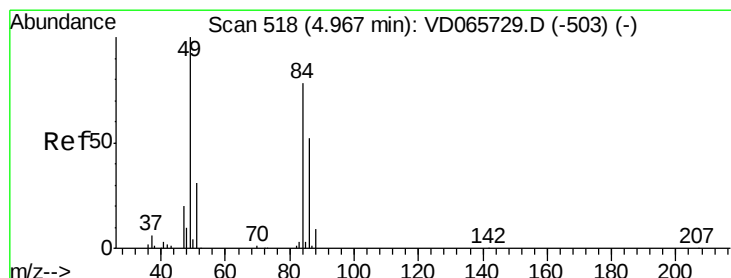
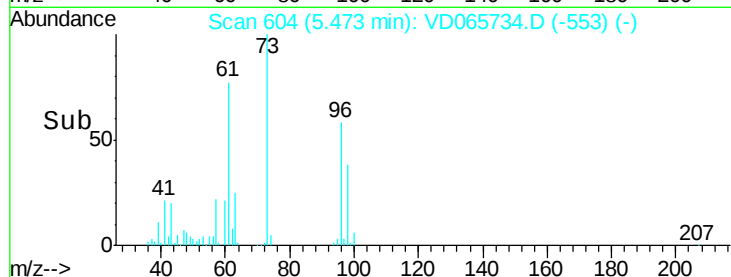
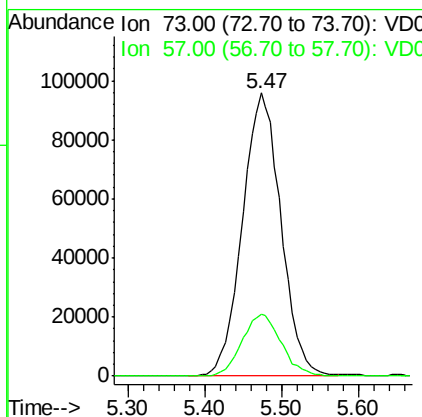
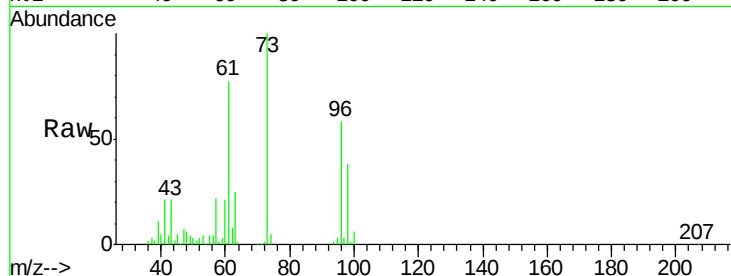




#19
Methvl tert-butvl Ether
Concen: 47.003 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

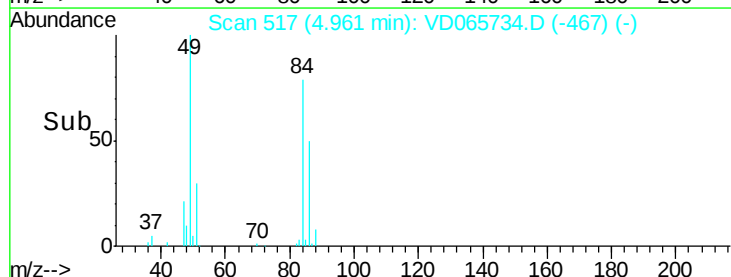
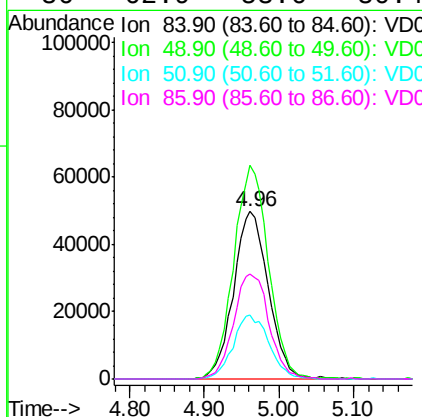
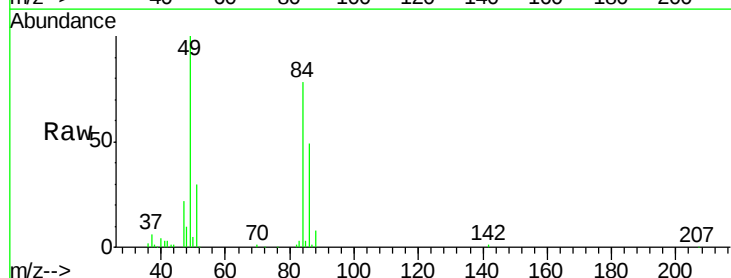
Instrument :
MSVOA_D
ClientSampleId :

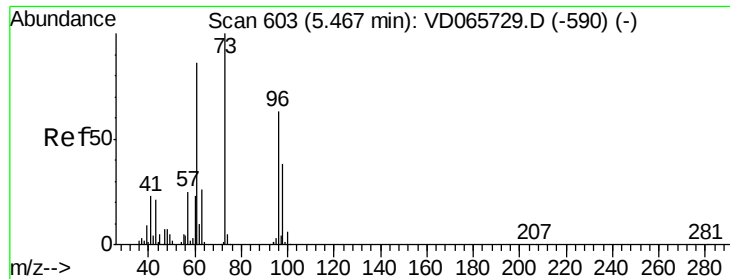
Tot Ion: 73 Resp: 335310
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.4



#20
Methylene Chloride
Concen: 46.604 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 84 Resp: 161940
Ion Ratio Lower Upper
84 100
49 127.6 102.9 154.3
51 38.4 31.5 47.3
86 62.9 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 49.547 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampled :

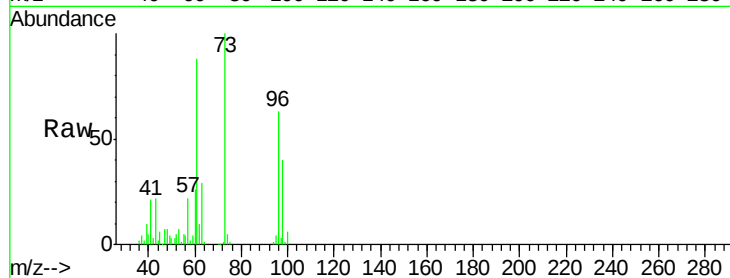
Tot Ion: 96 Resp: 174436

Ion Ratio Lower Upper

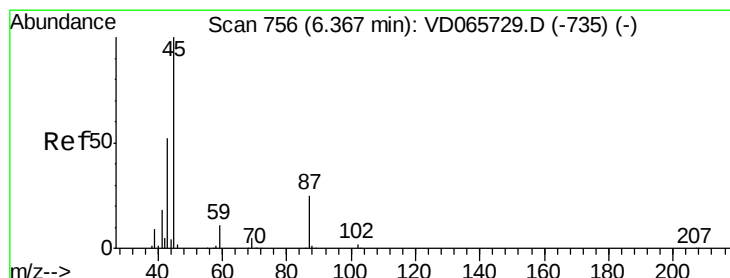
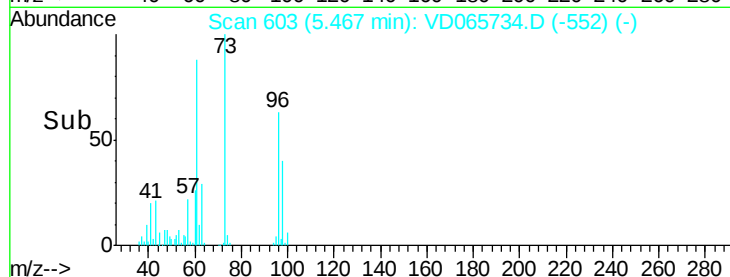
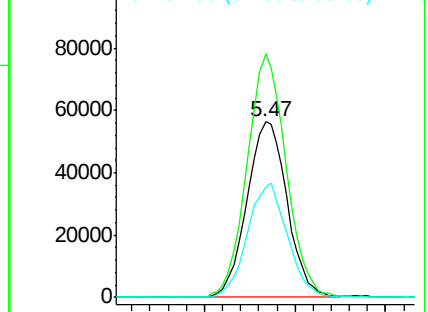
96 100

61 138.9 108.6 163.0

98 62.9 47.9 71.9



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



#22

Diisopropyl ether

Concen: 48.248 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Tgt Ion: 45 Resp: 485639

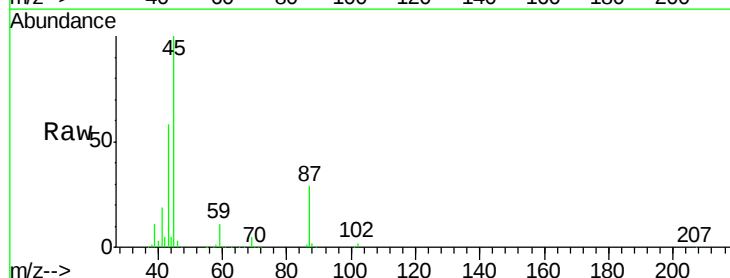
Ion Ratio Lower Upper

45 100

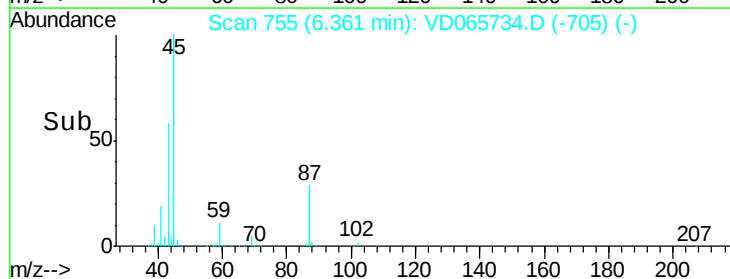
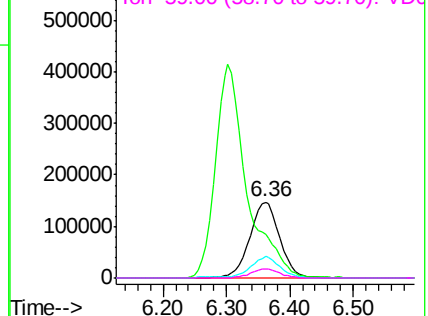
43 57.3 41.8 62.6

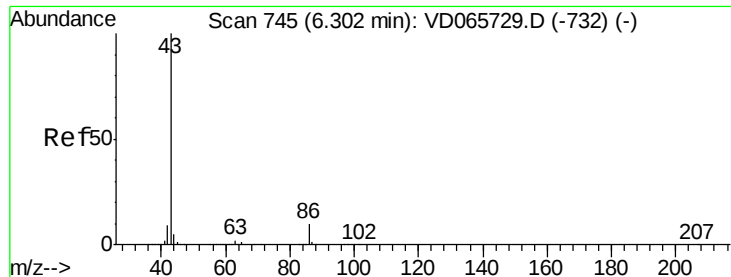
87 29.0 20.1 30.1

59 11.3 8.6 13.0



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





#23

Vinyl Acetate

Concen: 242.340 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

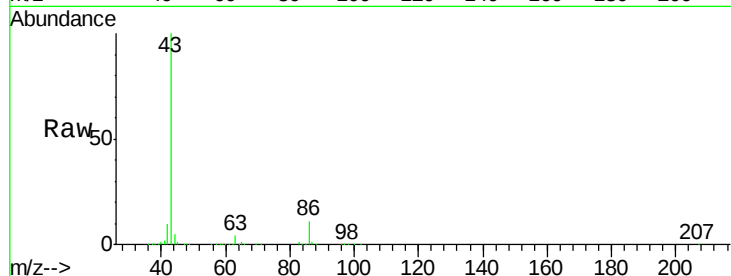
ClientSampleId :

Tot Ion: 43 Resp: 1434709

Ion Ratio Lower Upper

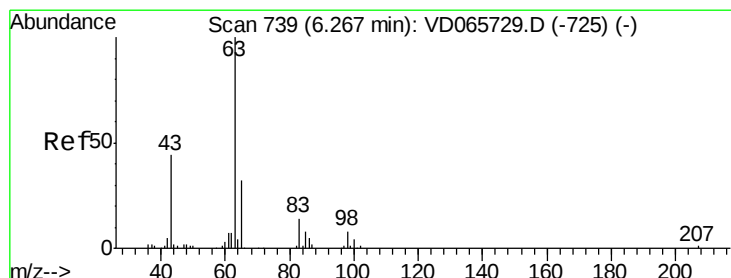
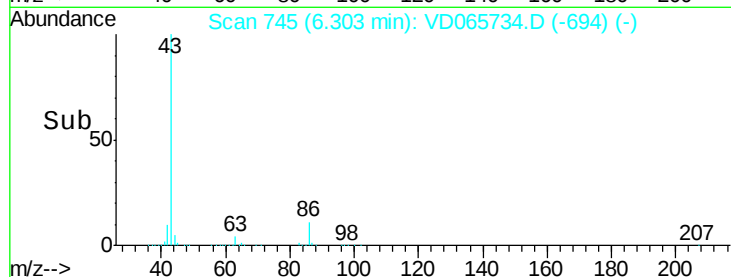
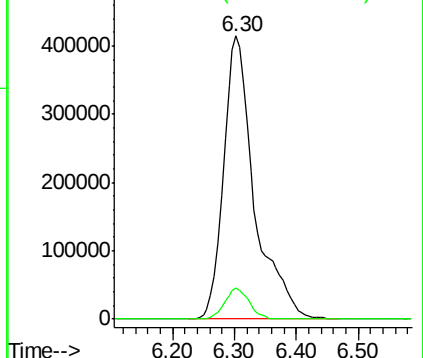
43 100

86 10.9 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.742 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

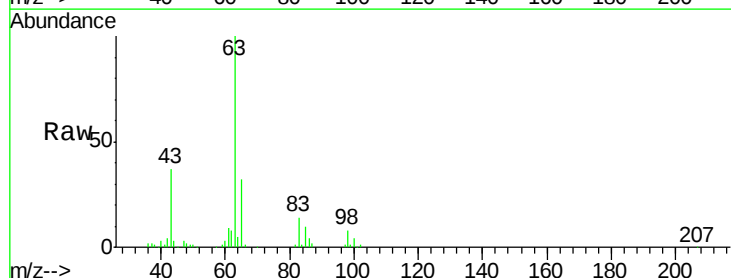
Tgt Ion: 63 Resp: 293147

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

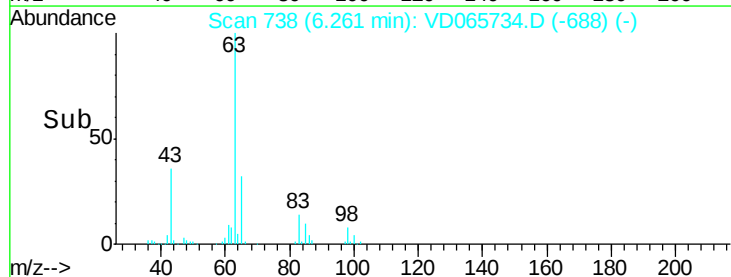
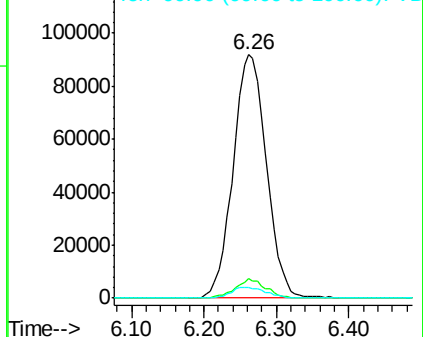
100 4.4 2.2 6.6

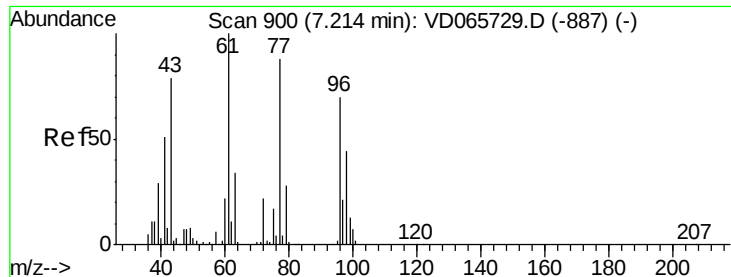


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 245.280 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

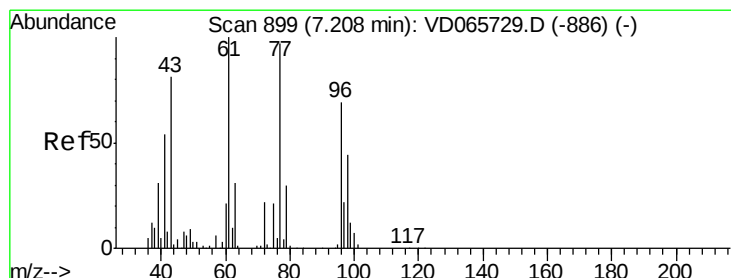
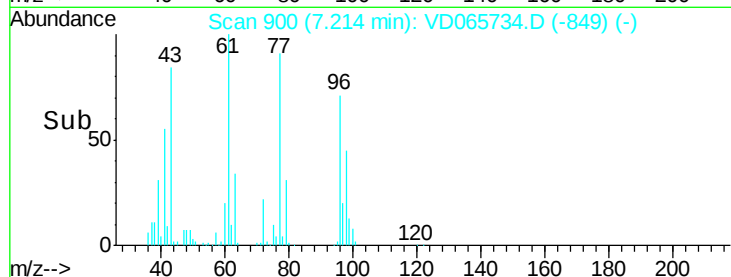
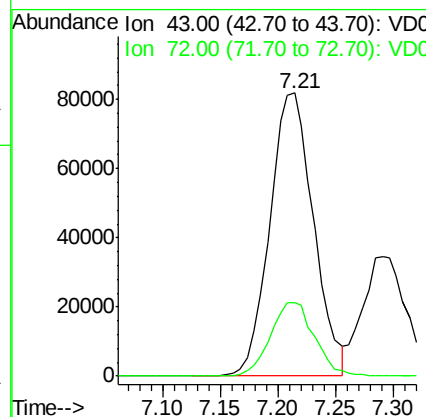
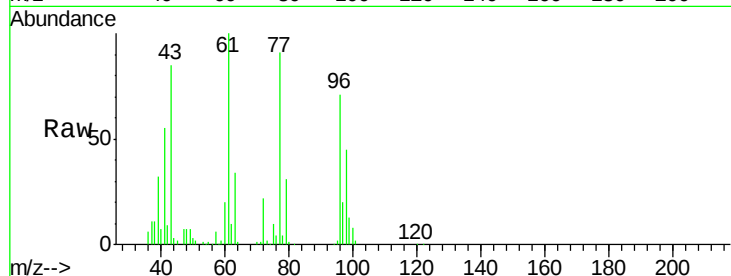
ClientSampleId :

Tot Ion: 43 Resp: 215957

Ion Ratio Lower Upper

43 100

72 26.2 22.3 33.5



#26

2,2-Dichloropropane

Concen: 50.701 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065734.D

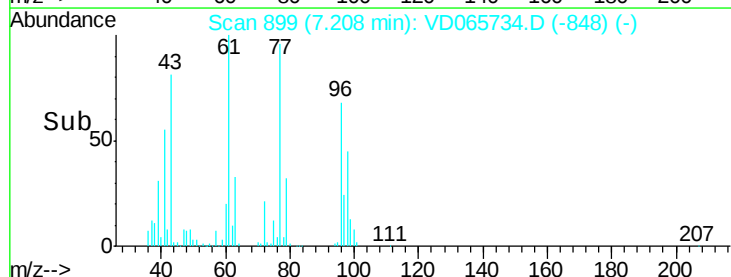
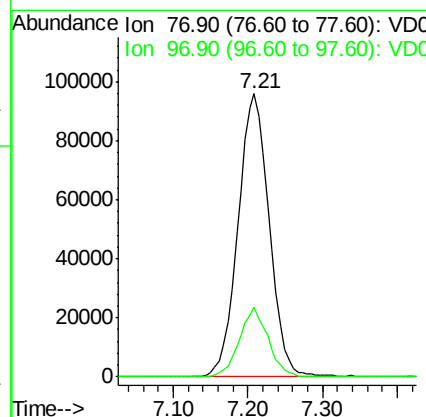
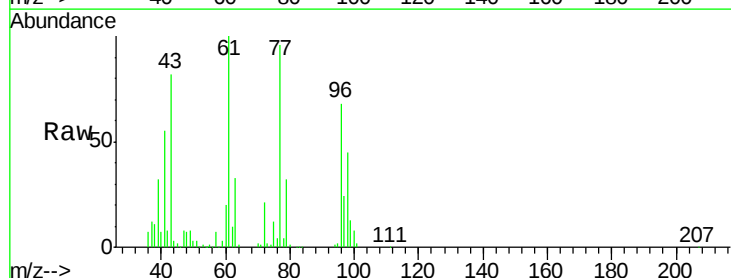
Acq: 14 May 2020 10:13

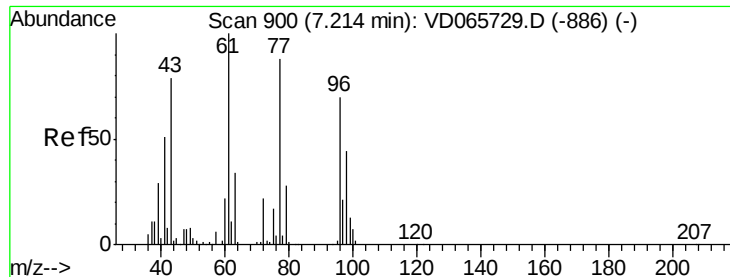
Tgt Ion: 77 Resp: 277328

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9



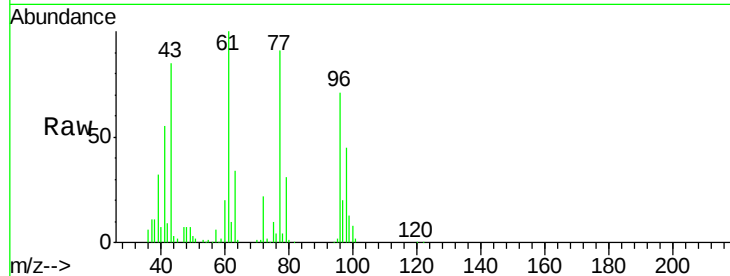


#27

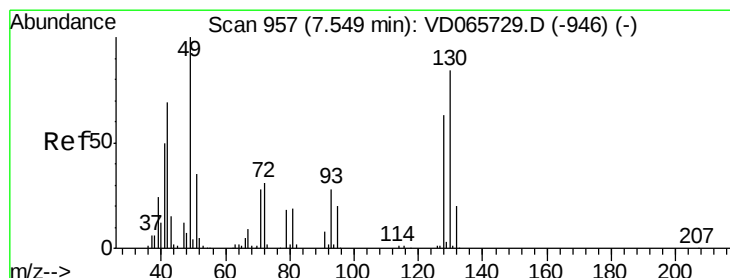
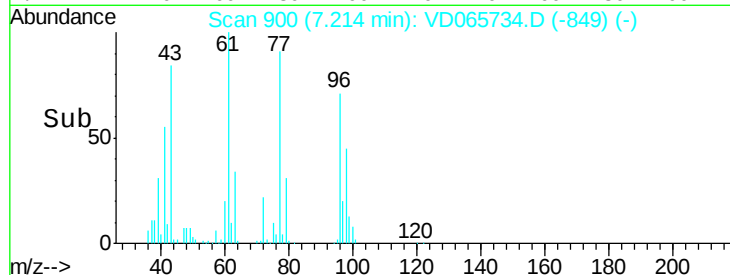
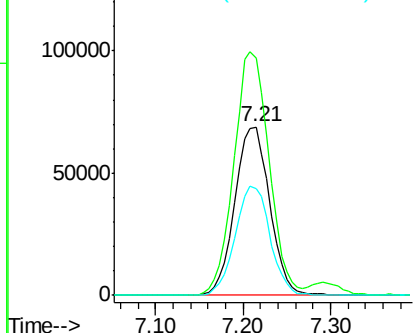
cis-1,2-Dichloroethene
Concen: 48.393 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 186706
Ion Ratio Lower Upper
96 100
61 145.2 0.0 288.0
98 64.6 0.0 127.8



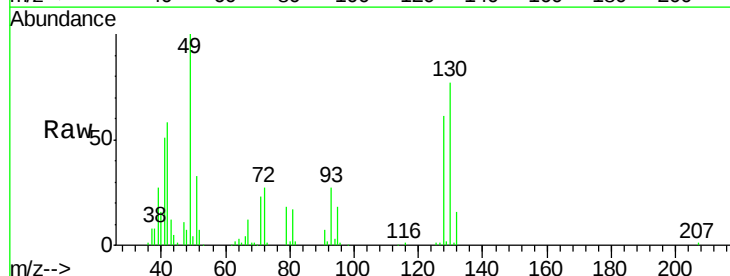
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



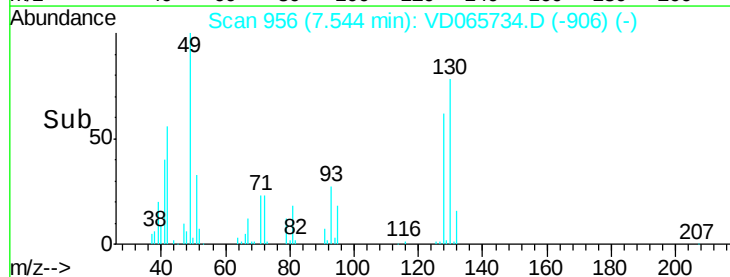
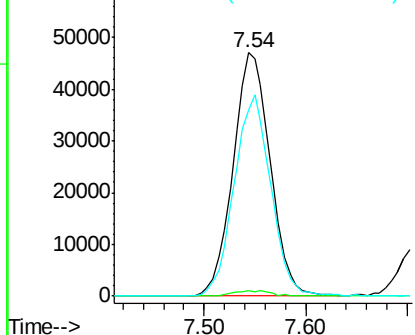
#28

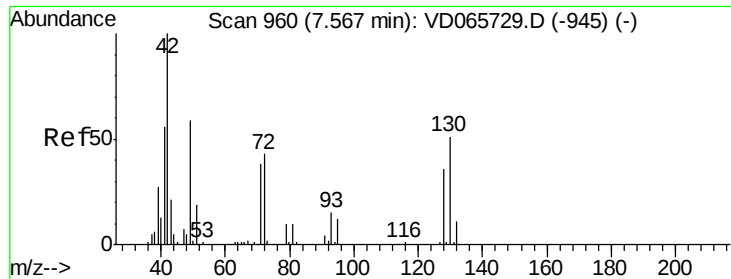
Bromochloromethane
Concen: 49.376 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 49 Resp: 119640
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 81.6 65.2 97.8



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

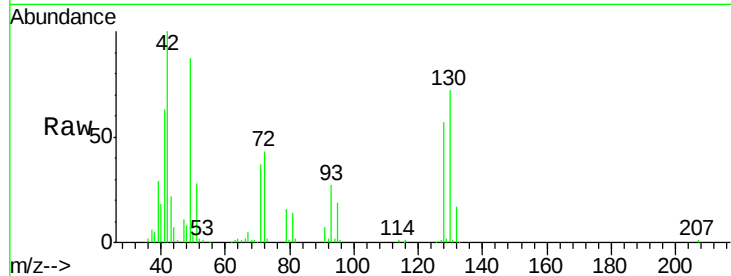




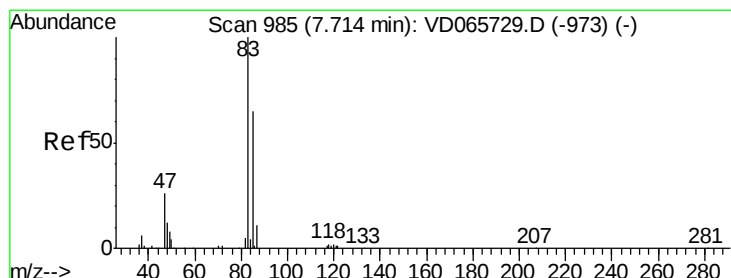
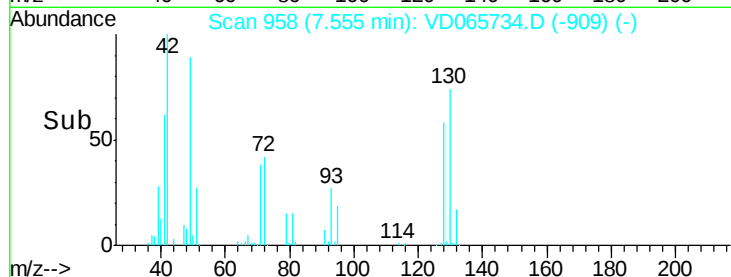
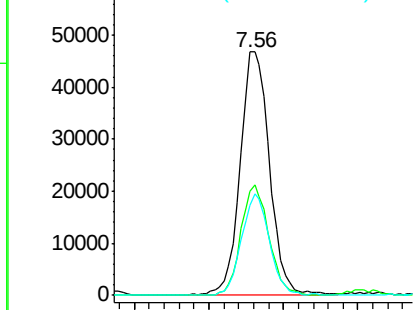
#29
Tetrahydrofuran
Concen: 230.232 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 128521
Ion Ratio Lower Upper
42 100
72 43.0 33.5 50.3
71 39.2 31.8 47.6

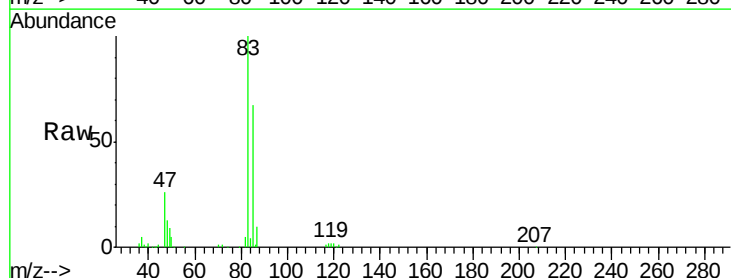


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

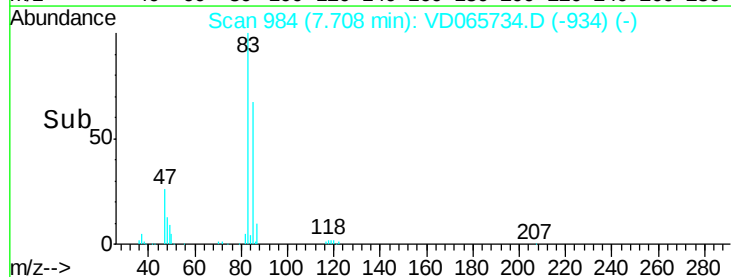
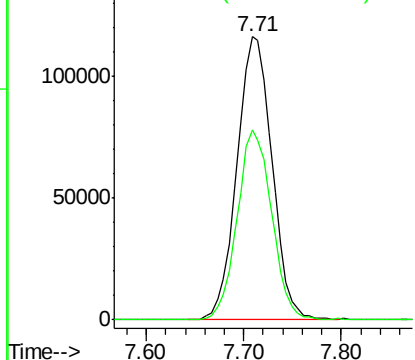


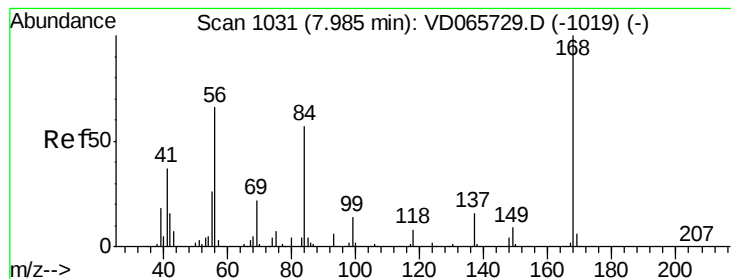
#30
Chloroform
Concen: 48.839 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 83 Resp: 290887
Ion Ratio Lower Upper
83 100
85 67.2 52.2 78.2



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





#31

Cyclohexane

Concen: 48.076 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :
MSVOA_D
ClientSampled :

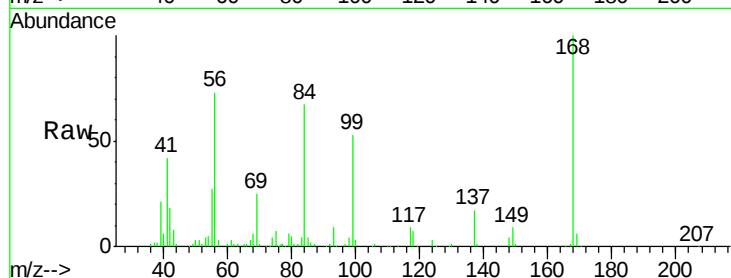
Tot Ion: 56 Resp: 286802

Ion Ratio Lower Upper

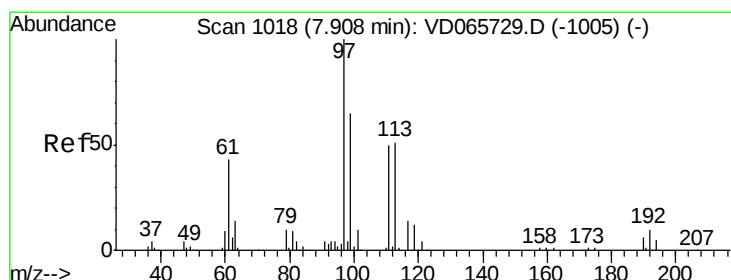
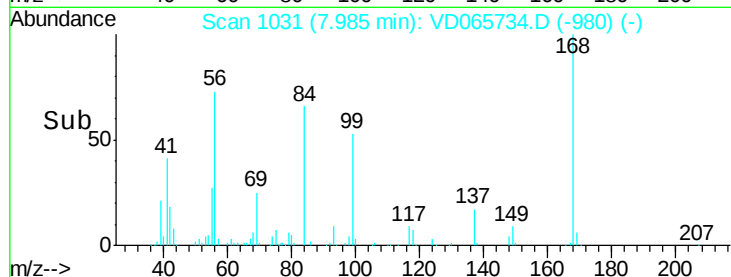
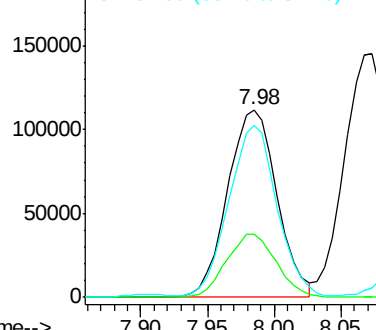
56 100

69 33.7 25.9 38.9

84 90.2 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 50.457 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

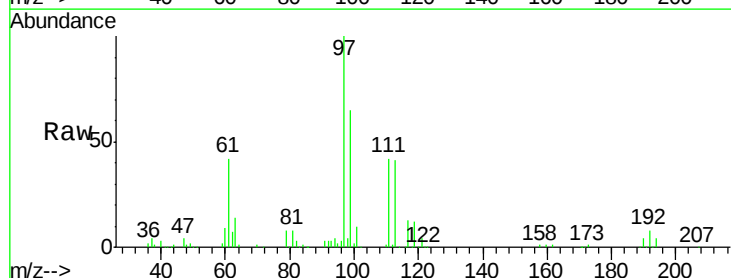
Tgt Ion: 97 Resp: 281513

Ion Ratio Lower Upper

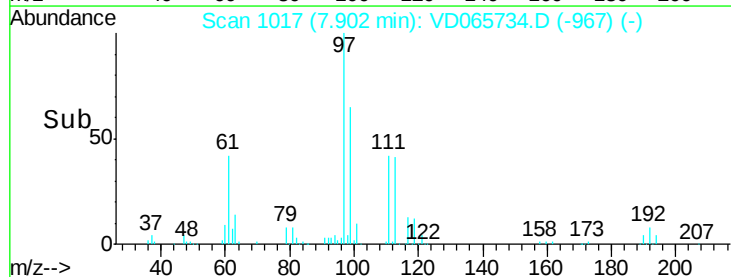
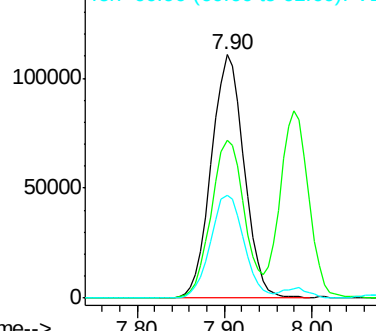
97 100

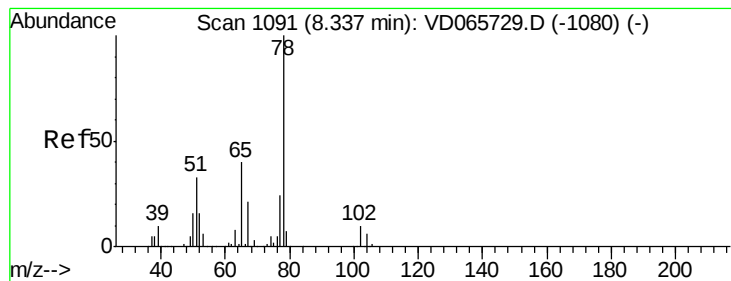
99 66.0 50.5 75.7

61 43.1 33.9 50.9



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





#33

1,2-Dichloroethane-d4

Concen: 49.215 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

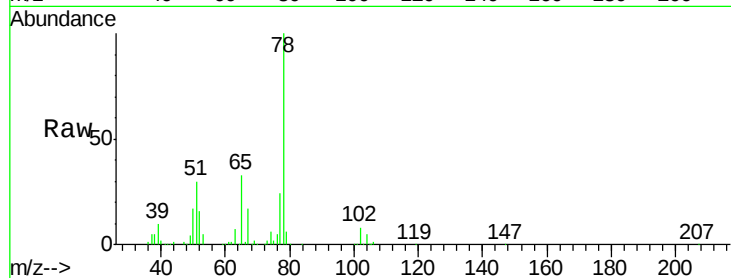
ClientSampleId :

Tot Ion: 65 Resp: 147782

Ion Ratio Lower Upper

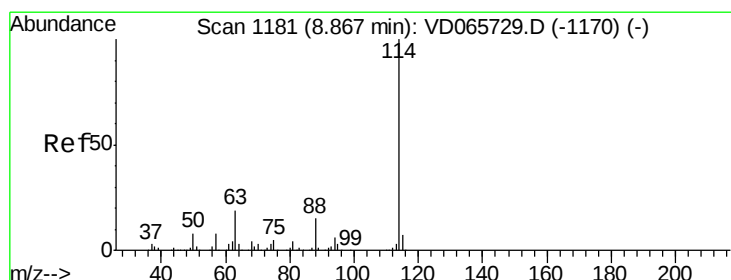
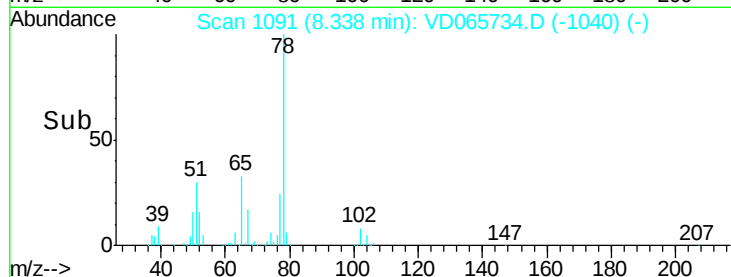
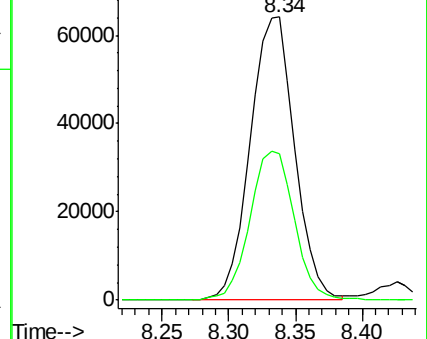
65 100

67 52.6 0.0 106.2



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: VD065734.D

Acq: 14 May 2020 10:13

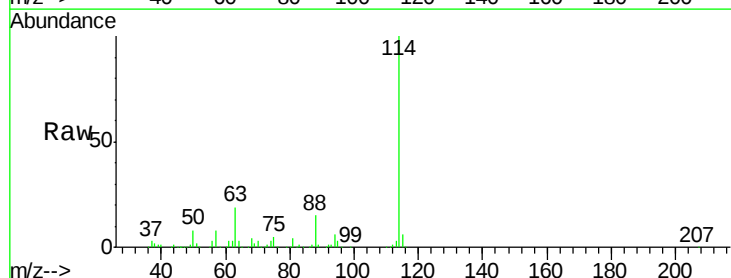
Tgt Ion: 114 Resp: 547104

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.2

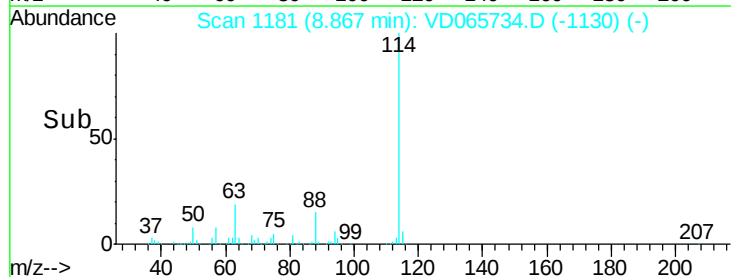
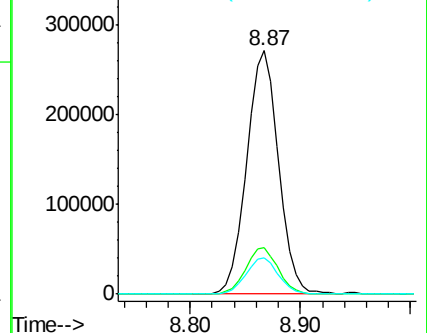
88 15.0 0.0 30.2

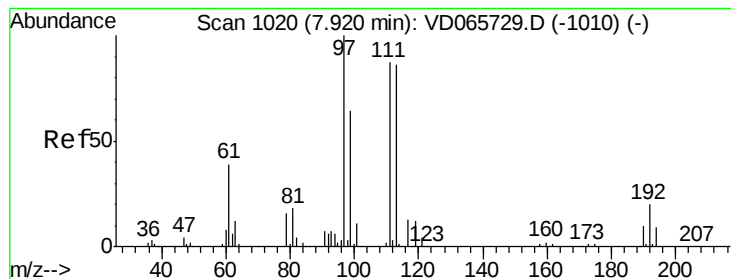


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.045 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

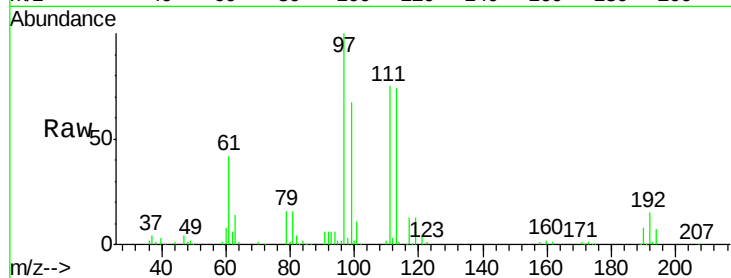
Tot Ion:113 Resp: 158212

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

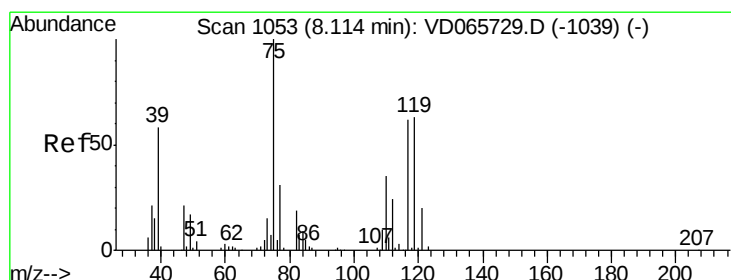
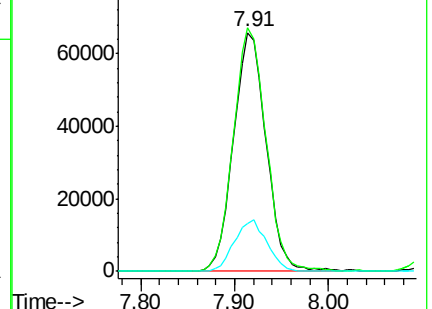
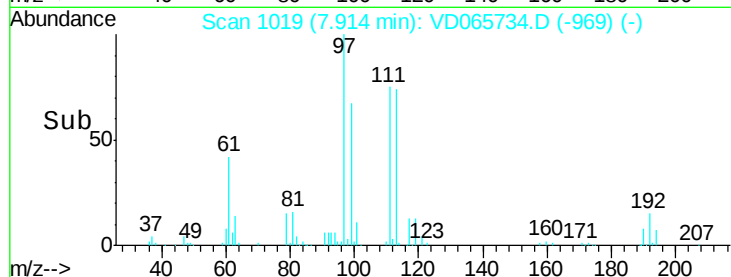
192 21.5 17.6 26.4



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: 51.082 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

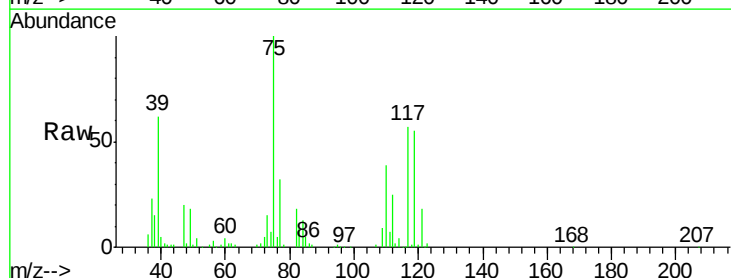
Tgt Ion: 75 Resp: 242703

Ion Ratio Lower Upper

75 100

110 36.9 18.4 55.2

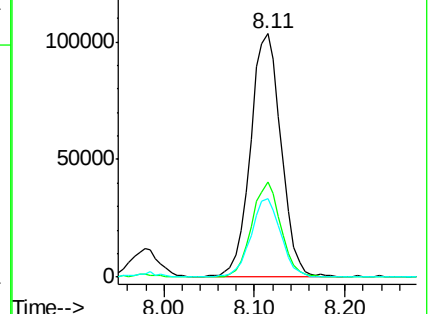
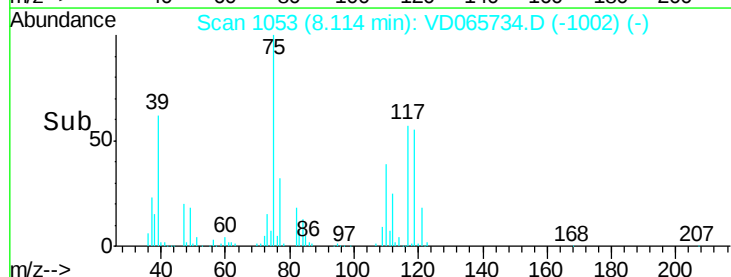
77 31.5 24.6 37.0

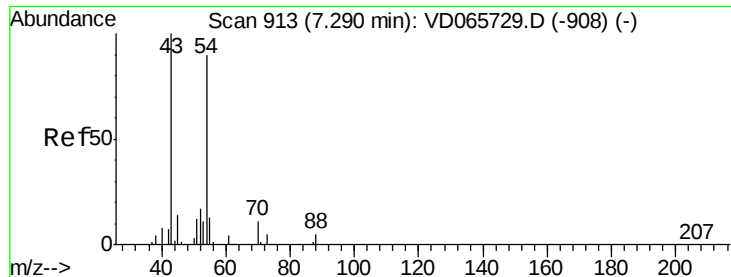


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

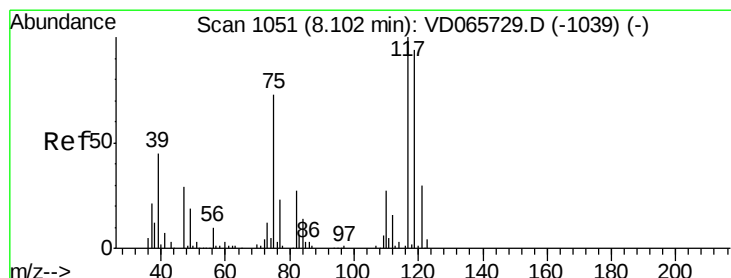
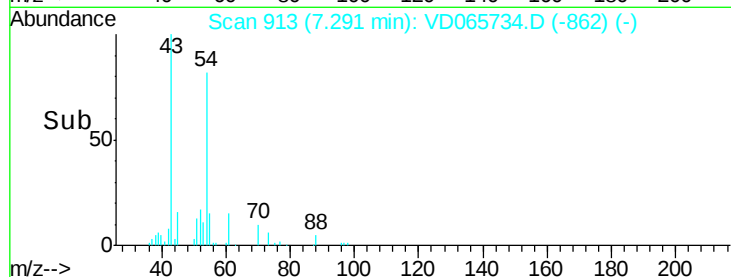
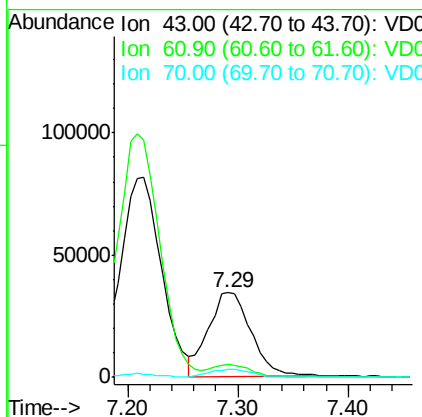
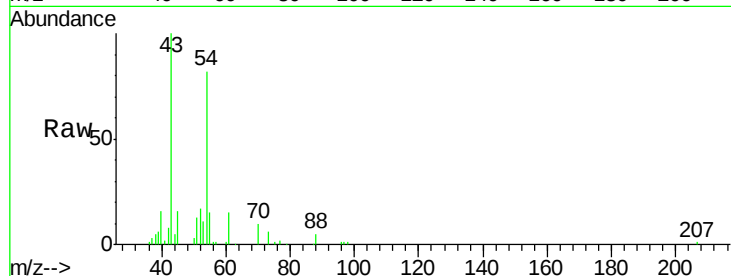




#37
Ethyl Acetate
Concen: 45.551 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

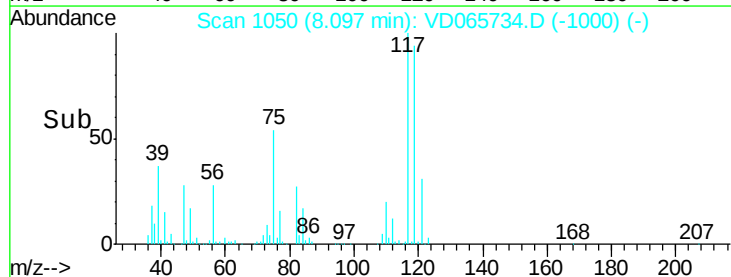
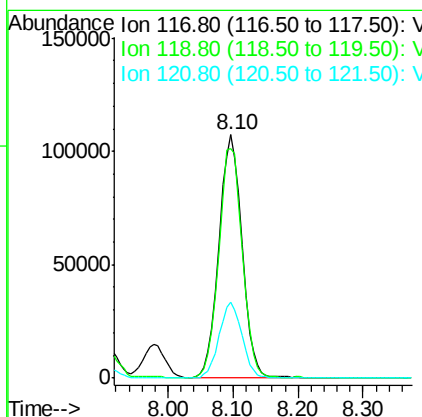
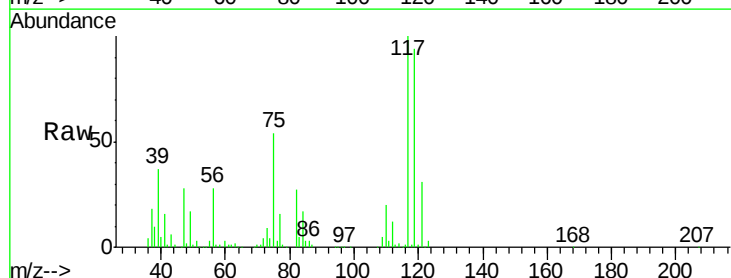
Instrument :
MSVOA_D
ClientSampled :

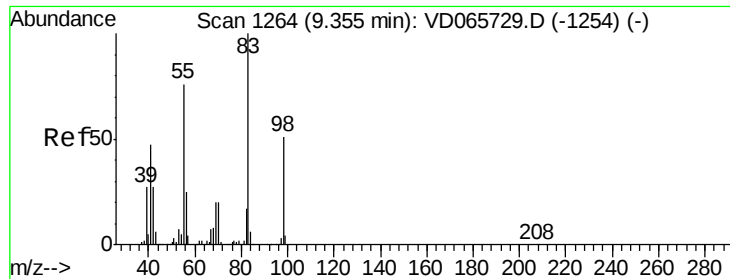
Tot Ion: 43 Resp: 92718
Ion Ratio Lower Upper
43 100
61 13.7 9.8 14.6
70 9.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.759 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 117 Resp: 265872
Ion Ratio Lower Upper
117 100
119 94.2 75.6 113.4
121 31.0 24.4 36.6

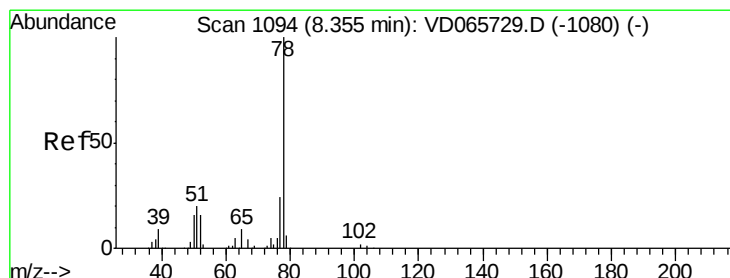
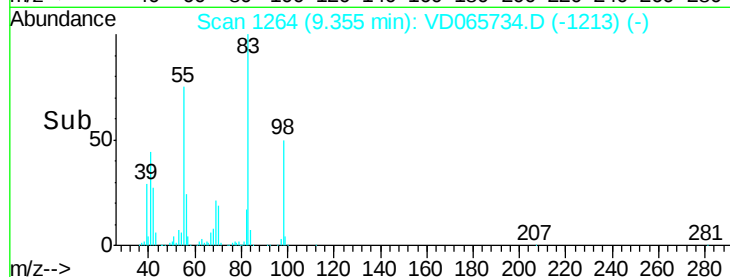
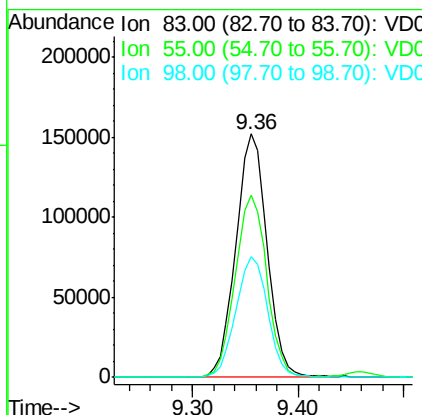
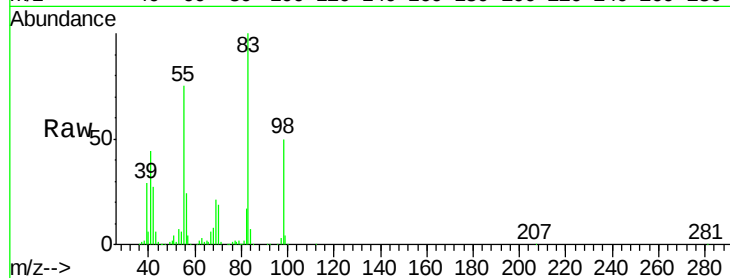




#39
Methylvlcvclohexane
Concen: 51.197 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

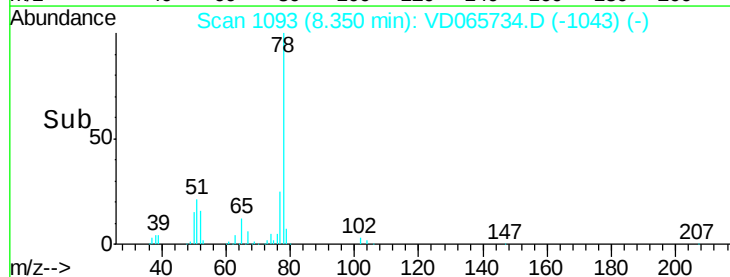
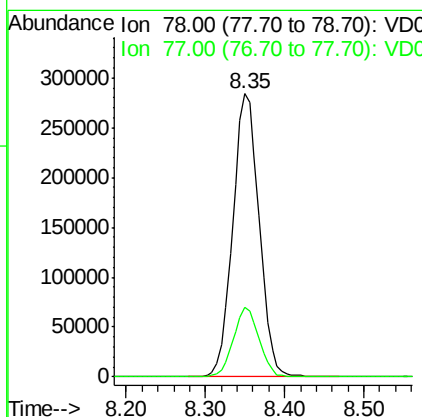
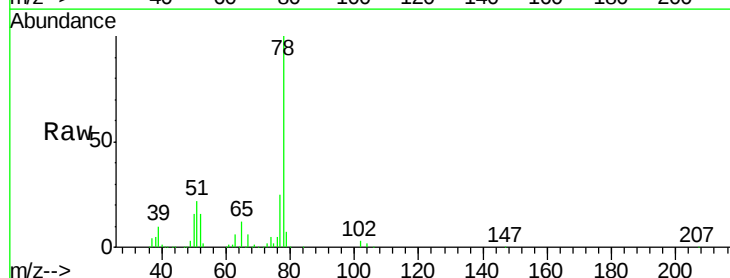
Instrument :
MSVOA_D
ClientSampleId :

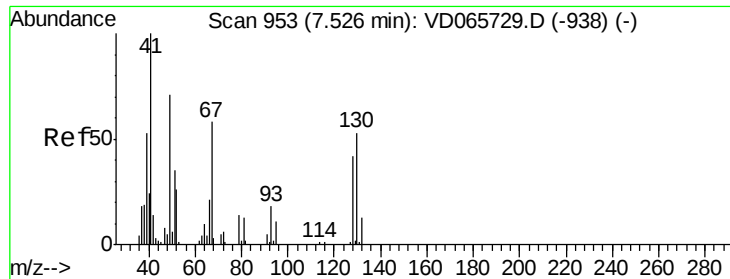
Tot Ion: 83 Resp: 311735
Ion Ratio Lower Upper
83 100
55 75.0 60.9 91.3
98 49.6 40.6 61.0



#40
Benzene
Concen: 50.037 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 78 Resp: 653735
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7

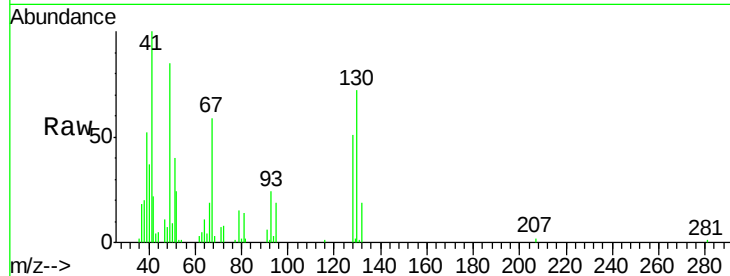




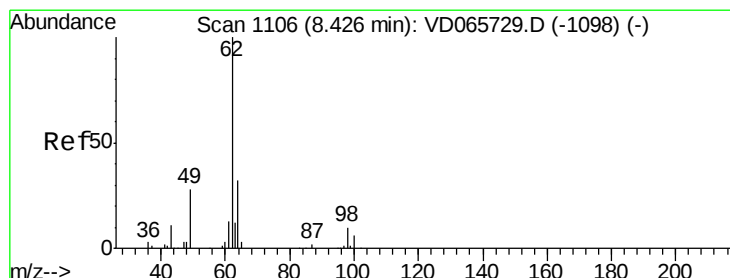
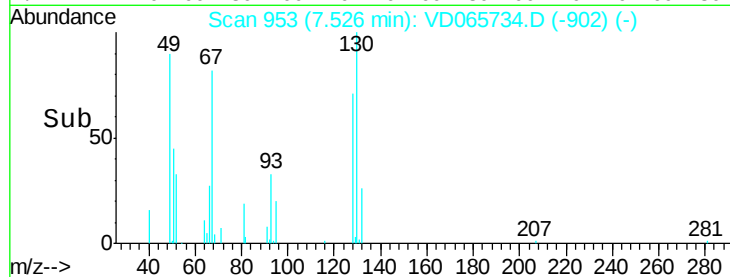
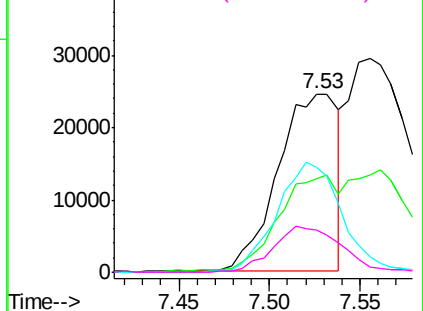
#41
Methacrylonitrile
Concen: 50.567 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	56686
Ion	Ratio	Lower	Upper
41	100		
39	54.3	56.8	85.2#
67	67.4	57.9	86.9
52	29.9	25.9	38.9

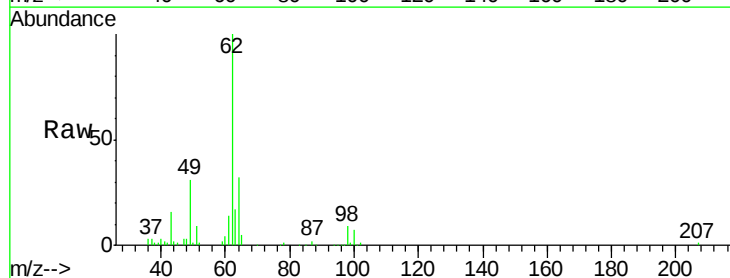


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

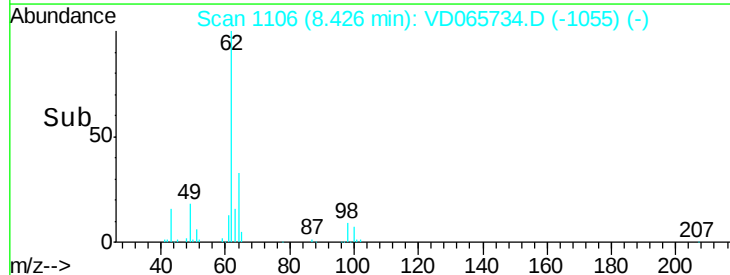
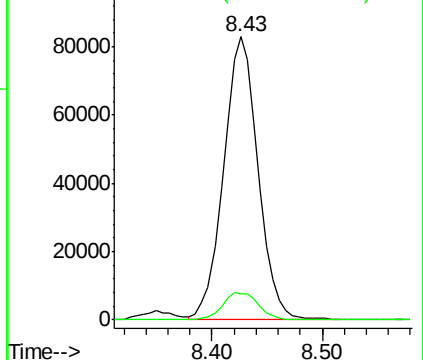


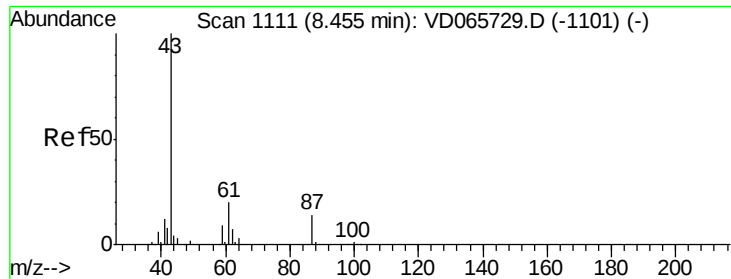
#42
1,2-Dichloroethane
Concen: 49.361 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion:	62	Resp:	179565
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 47.299 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

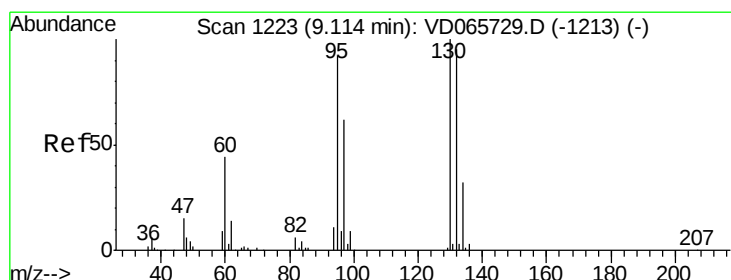
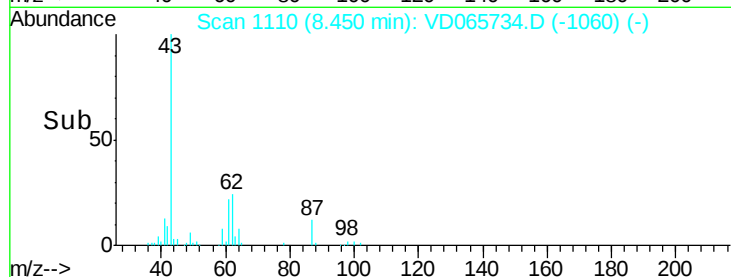
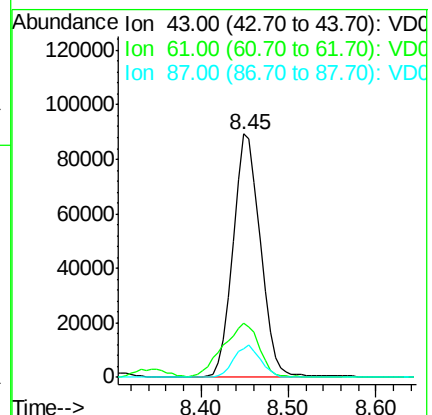
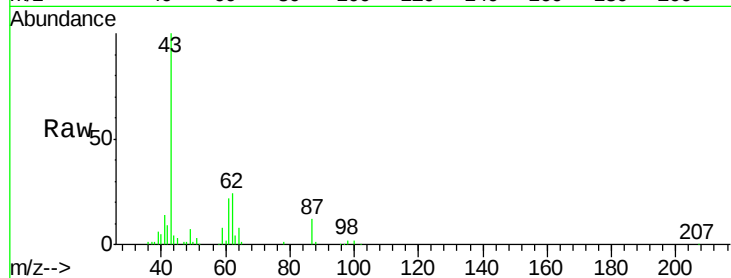
Tot Ion: 43 Resp: 190823

Ion Ratio Lower Upper

43 100

61 29.7 23.8 35.6

87 12.7 10.5 15.7



#44

Trichloroethene

Concen: 50.120 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065734.D

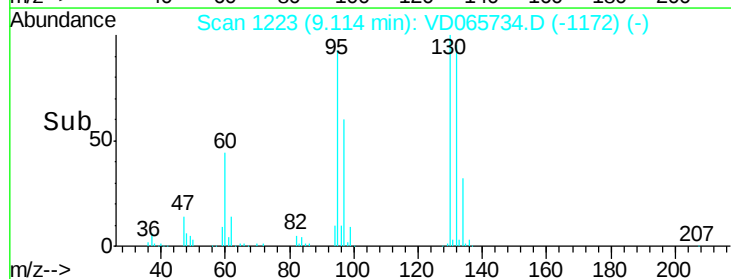
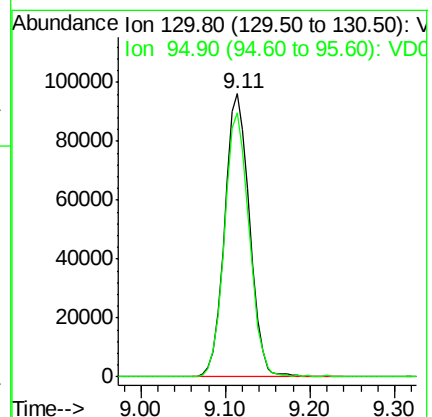
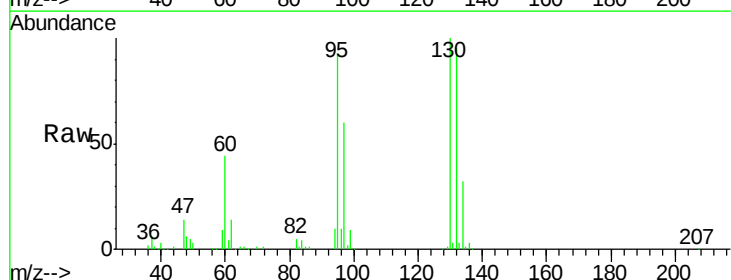
Acq: 14 May 2020 10:13

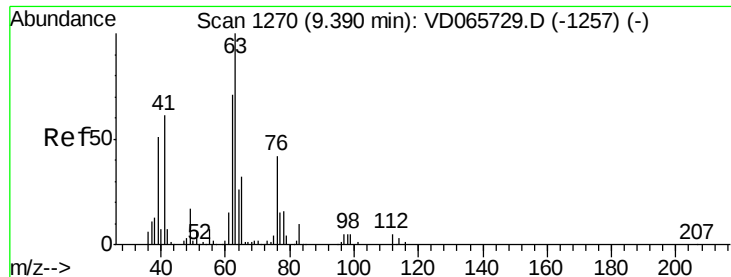
Tgt Ion:130 Resp: 196037

Ion Ratio Lower Upper

130 100

95 93.2 0.0 183.6

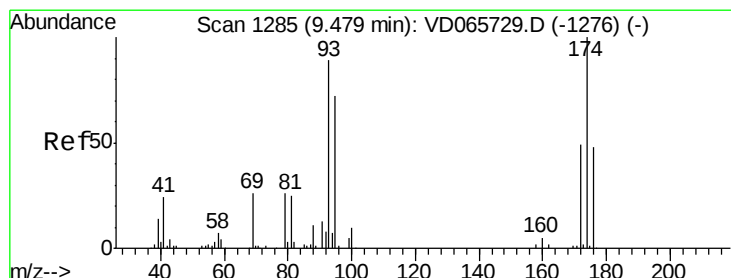
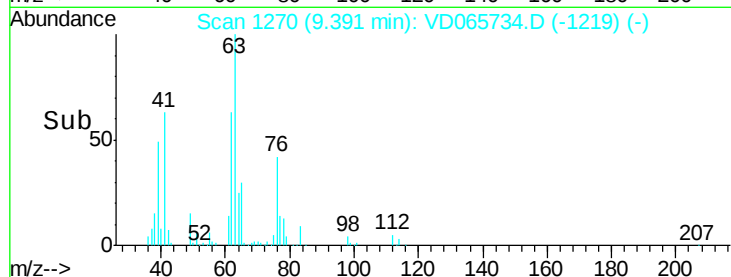
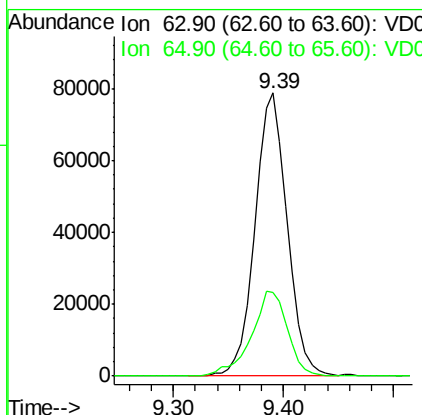
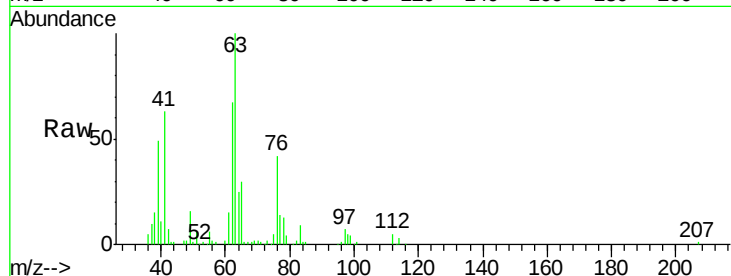




#45
 1,2-Dichloropropane
 Concen: 50.134 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

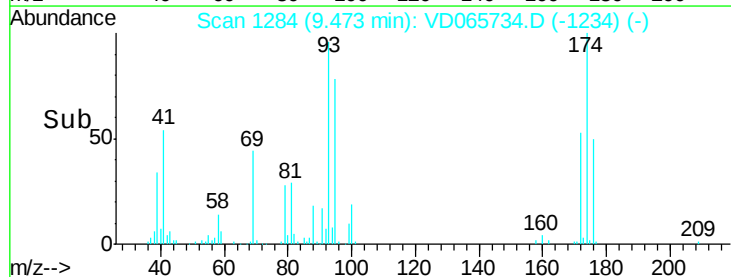
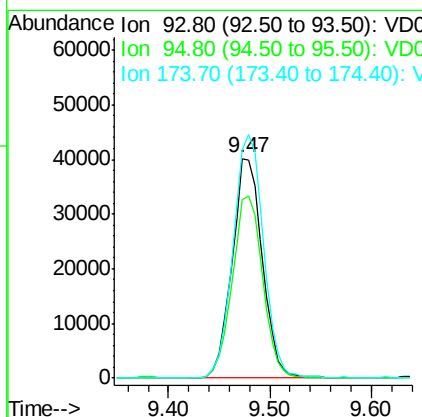
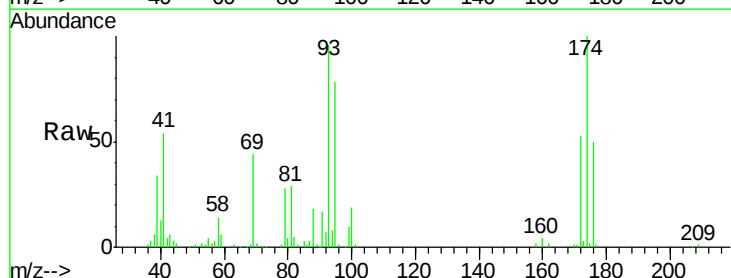
Instrument :
 MSVOA_D
 ClientSampleId :

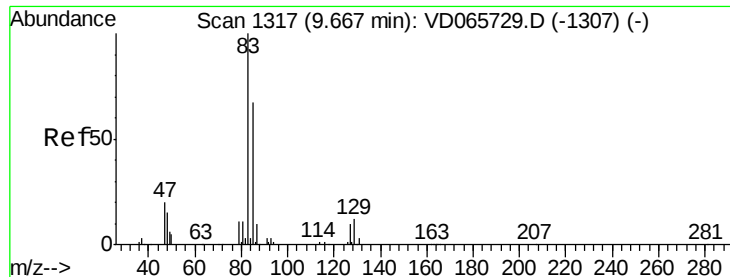
Tot Ion: 63 Resp: 161496
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.3 37.9



#46
 Dibromomethane
 Concen: 48.008 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Tgt Ion: 93 Resp: 83389
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.4 98.2
 174 111.4 89.9 134.9





#47

Bromodichloromethane

Concen: 49.336 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

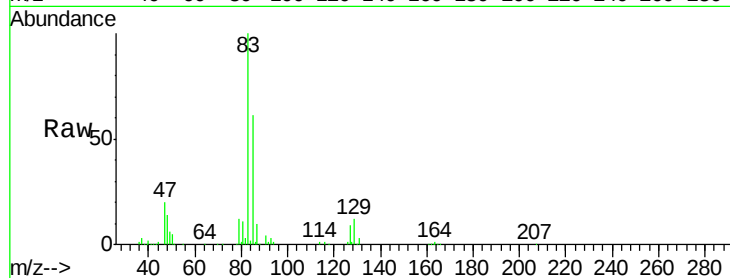
Tot Ion: 83 Resp: 224309

Ion Ratio Lower Upper

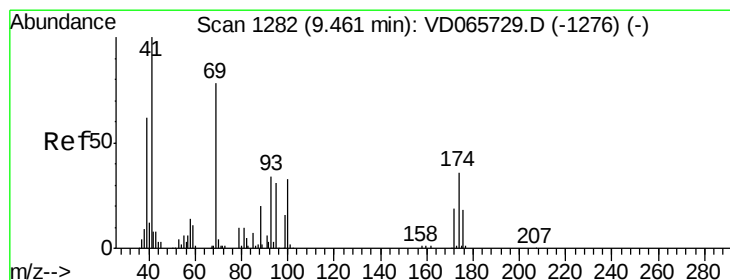
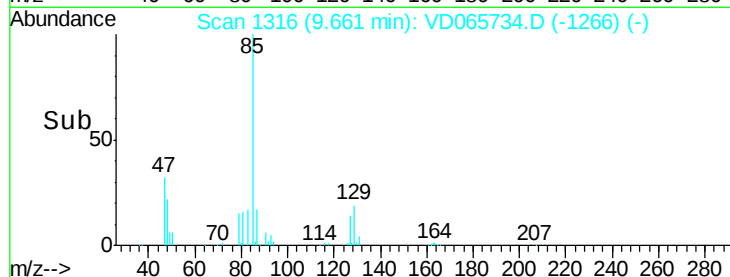
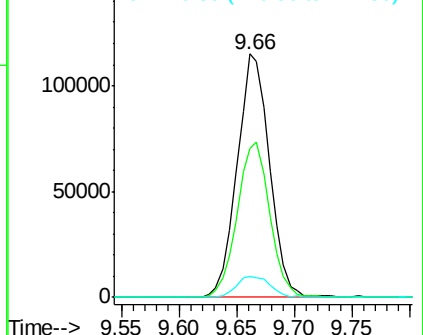
83 100

85 61.3 53.6 80.4

127 8.7 7.7 11.5



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: 49.243 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

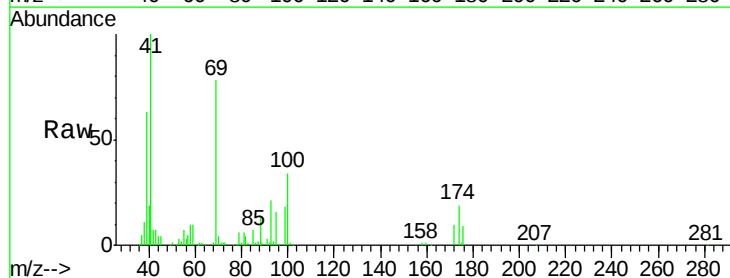
Tgt Ion: 41 Resp: 93254

Ion Ratio Lower Upper

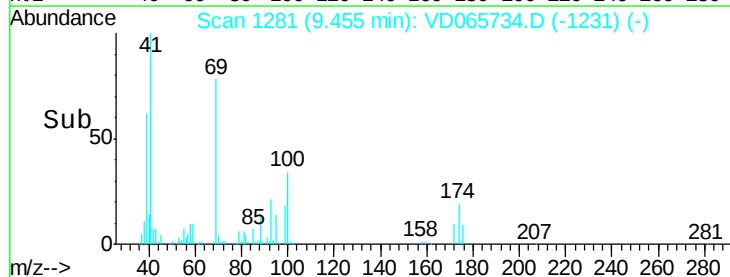
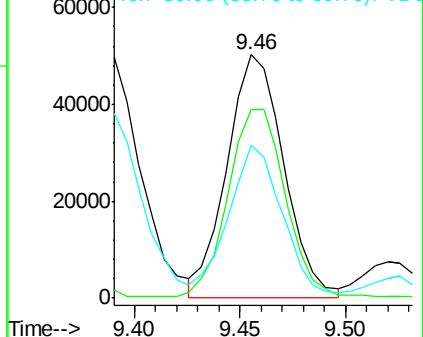
41 100

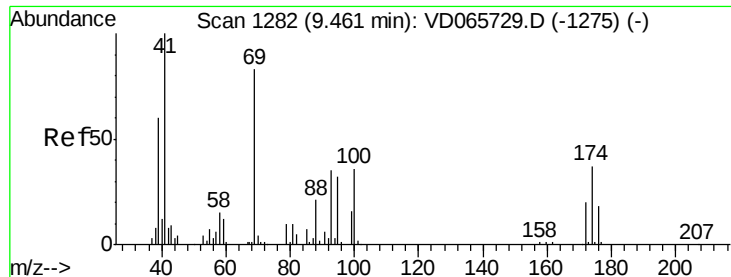
69 78.8 64.4 96.6

39 55.5 46.7 70.1



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

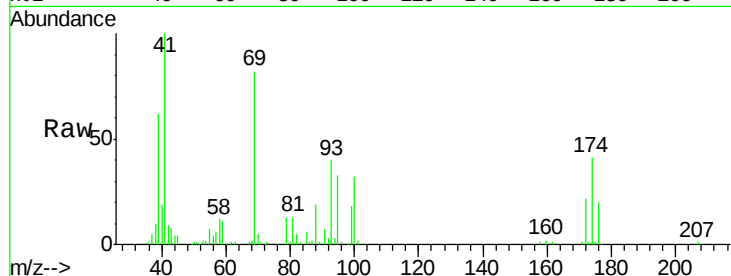




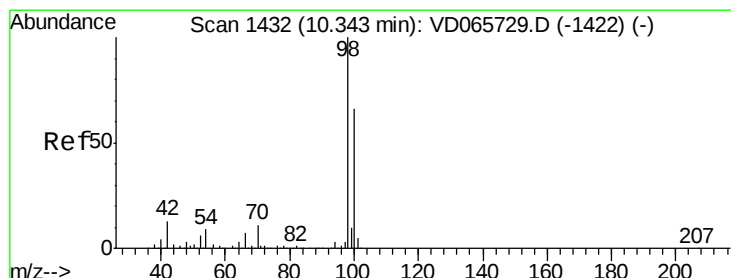
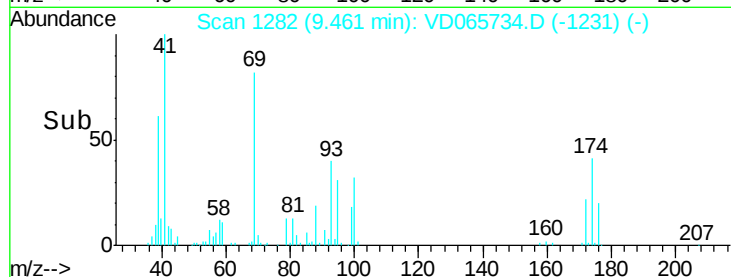
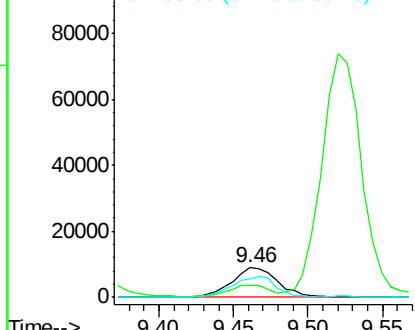
#49
1,4-Dioxane
Concen: 928.732 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 19034
Ion Ratio Lower Upper
88 100
43 37.4 29.4 44.0
58 69.0 55.1 82.7

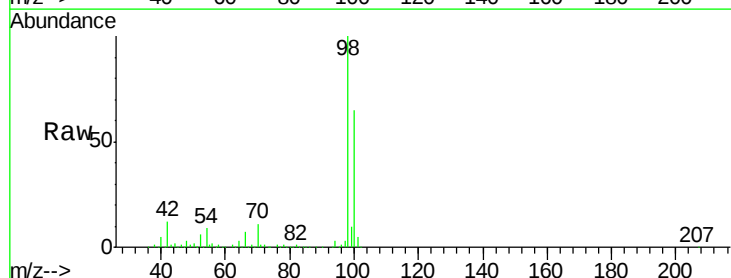


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

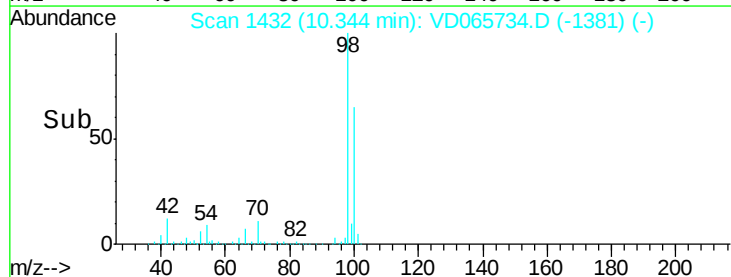
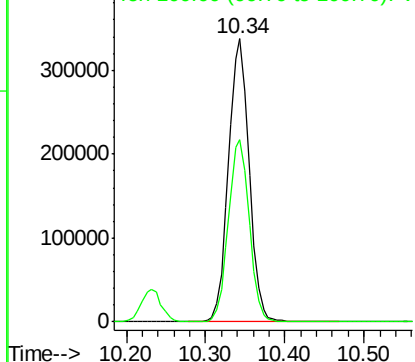


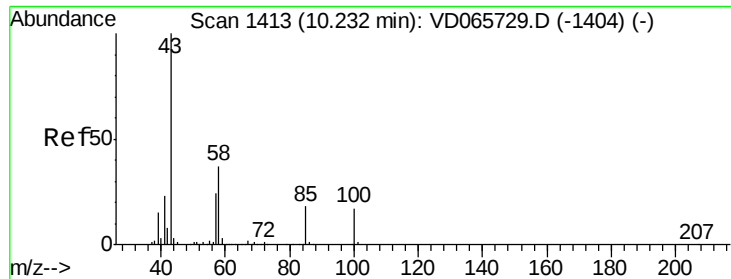
#50
Toluene-d8
Concen: 51.543 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 98 Resp: 608213
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

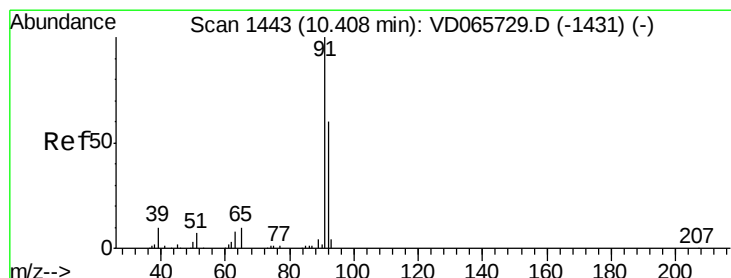
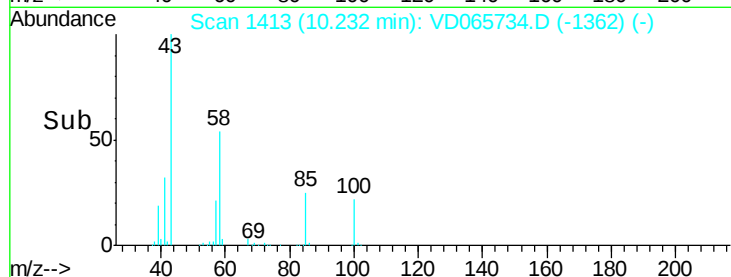
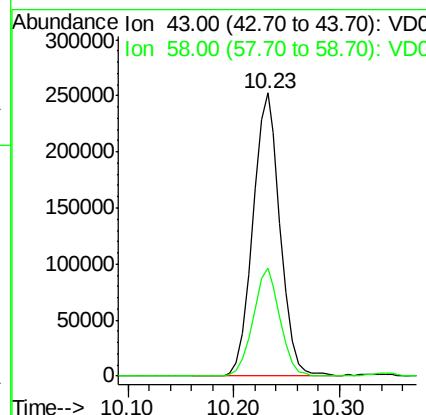
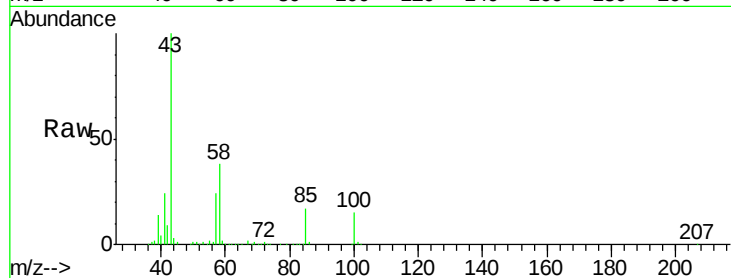




#51
4-Methyl-2-Pentanone
Concen: 234.234 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

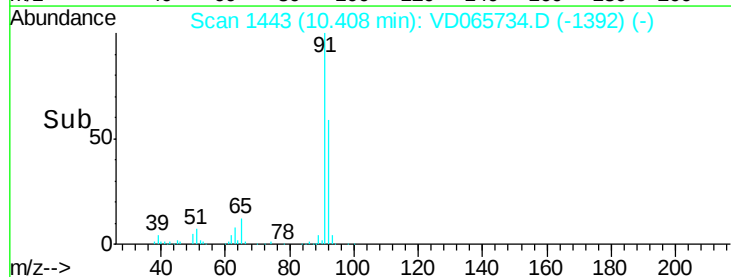
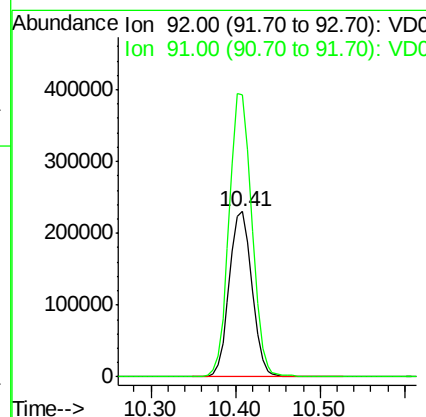
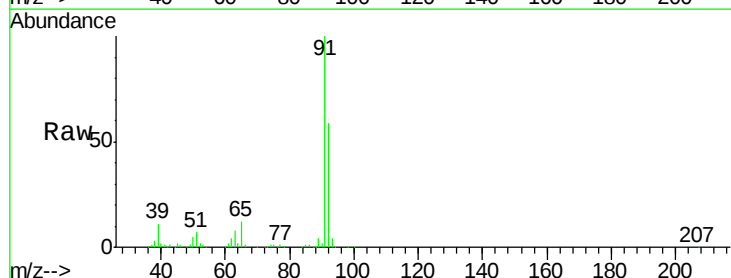
Instrument :
MSVOA_D
ClientSampled :

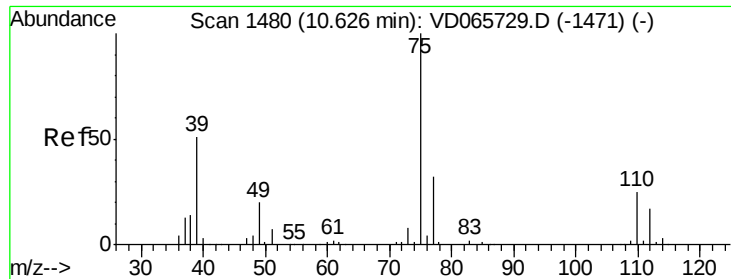
Tot Ion: 43 Resp: 452227
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.2



#52
Toluene
Concen: 49.934 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 92 Resp: 427399
Ion Ratio Lower Upper
92 100
91 171.7 136.6 205.0

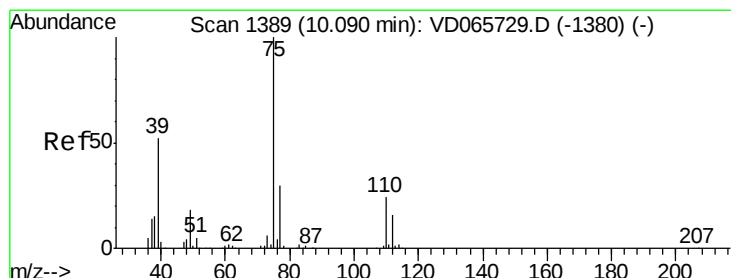
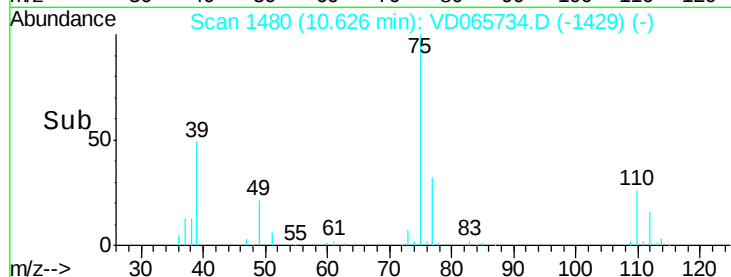
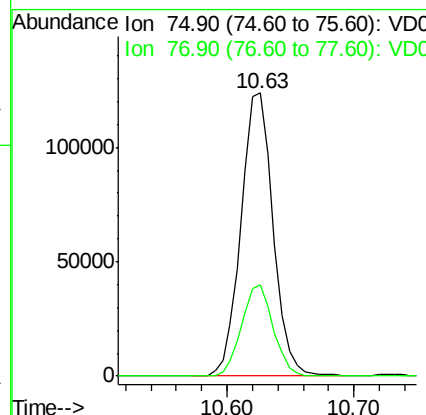
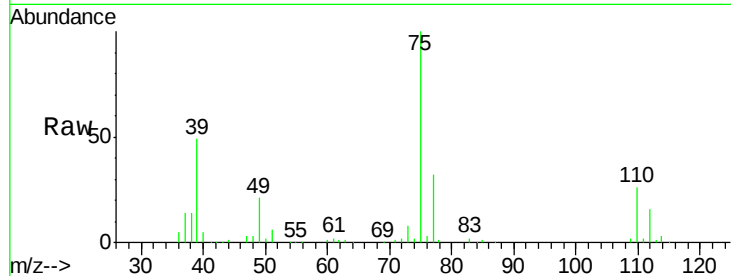




#53
 t-1,3-Dichloropropene
 Concen: 48.951 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

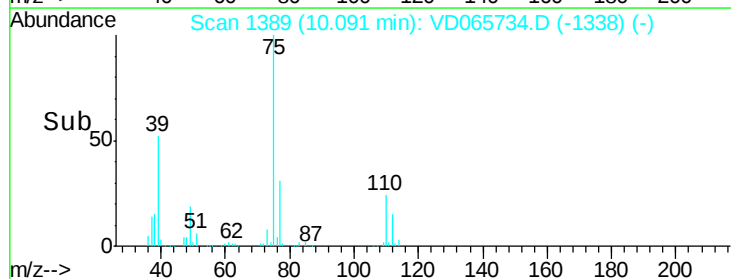
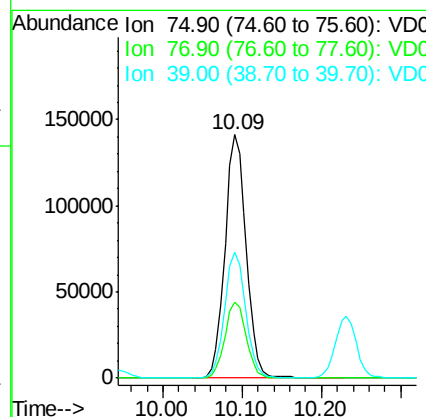
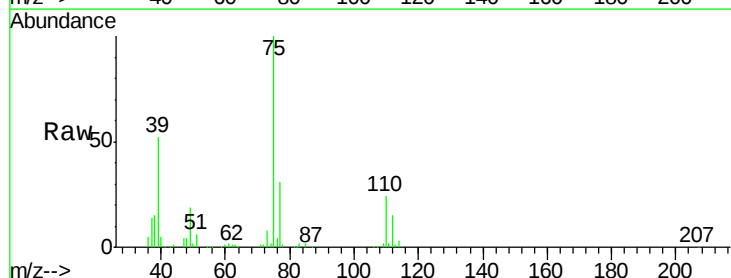
Instrument :
 MSVOA_D
 ClientSampleId :

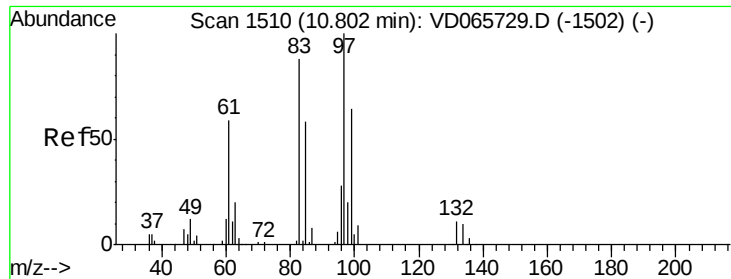
Tot Ion: 75 Resp: 217427
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 49.447 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Tgt Ion: 75 Resp: 261240
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.8 35.6
 39 51.6 41.9 62.9



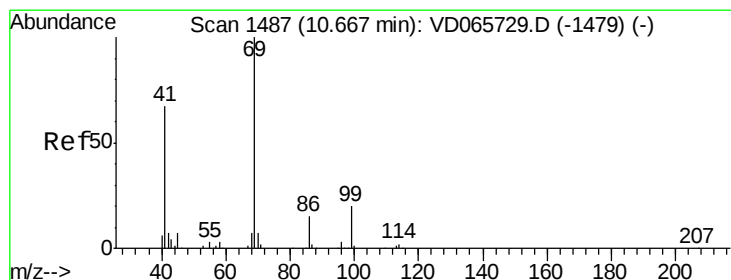
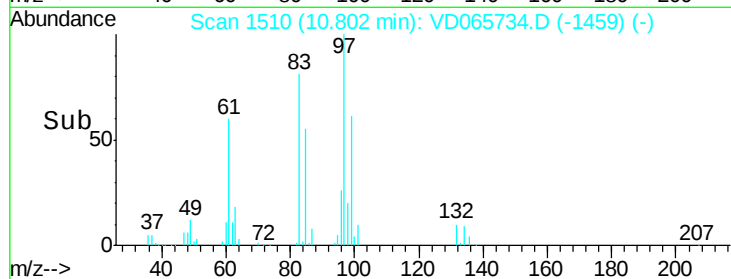
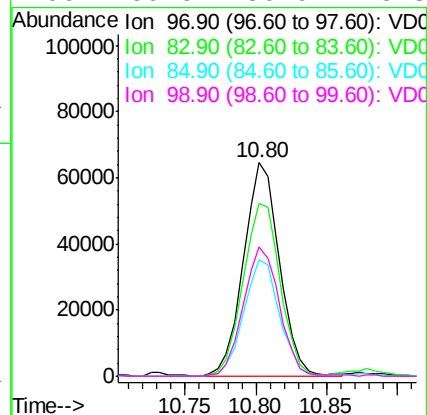
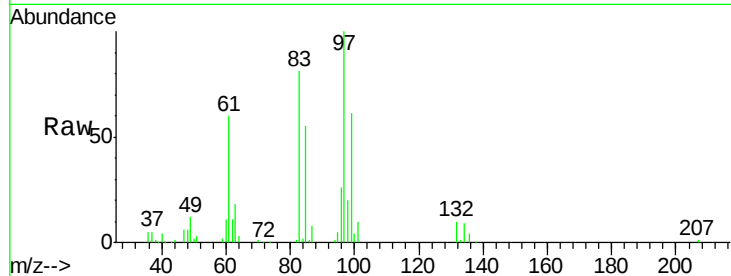


#55
 1,1,2-Trichloroethane
 Concen: 48.804 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 115483

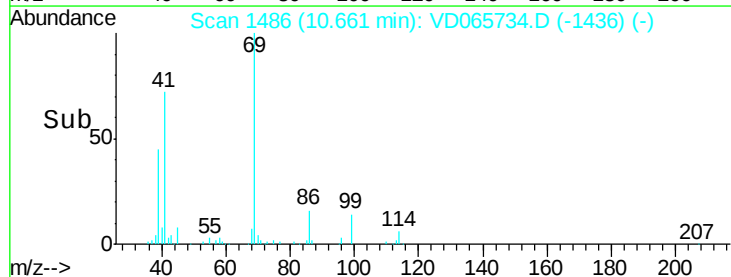
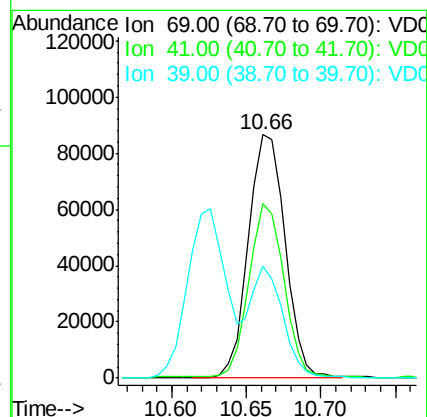
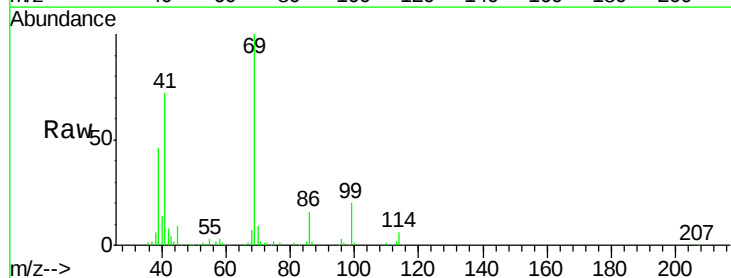
Ion	Ratio	Lower	Upper
97	100		
83	80.8	70.7	106.1
85	54.7	46.8	70.2
99	60.6	50.9	76.3

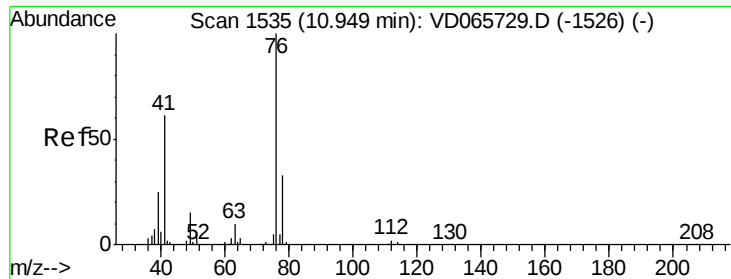


#56
 Ethyl methacrylate
 Concen: 47.971 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Tgt Ion: 69 Resp: 147944

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.7	83.5
39	41.9	28.6	43.0





#57

1,3-Dichloropropane

Concen: 48.128 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

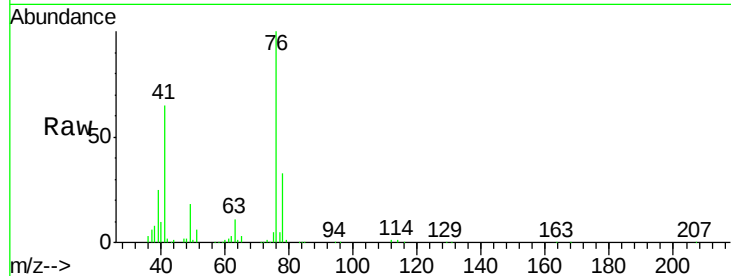
ClientSampleId :

Tot Ion: 76 Resp: 198080

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

120000

100000

80000

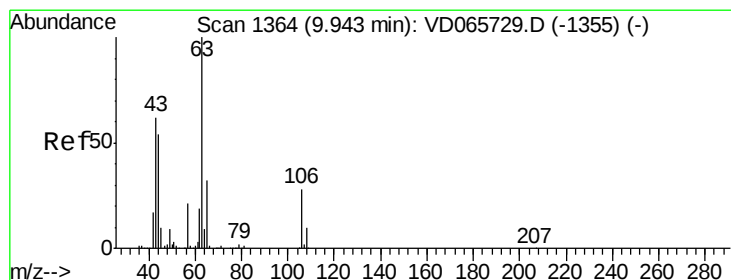
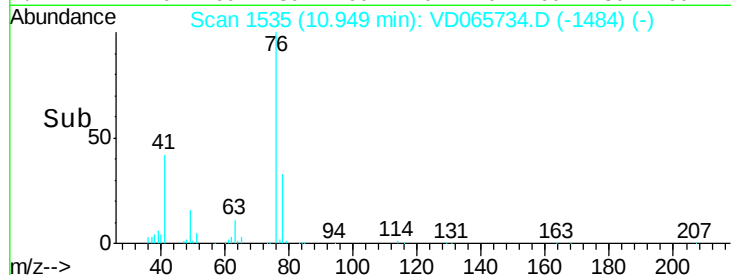
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 242.190 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065734.D

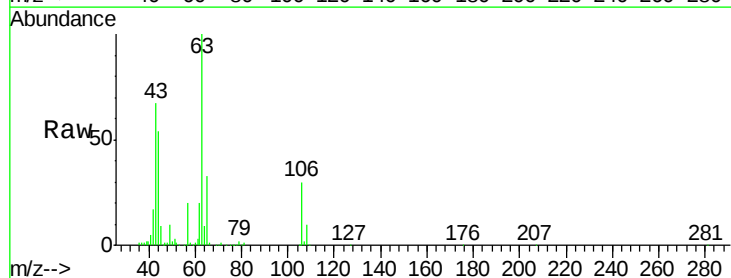
Acq: 14 May 2020 10:13

Tgt Ion: 63 Resp: 347498

Ion Ratio Lower Upper

63 100

106 29.5 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

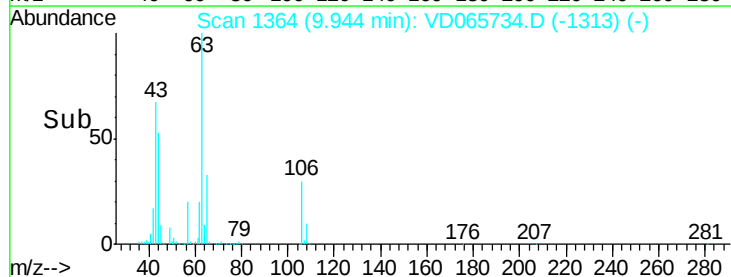
150000

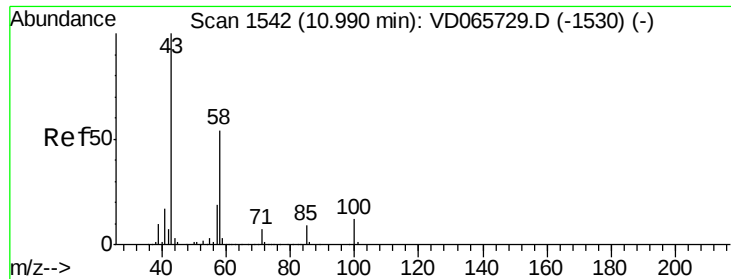
100000

50000

0

Time-->

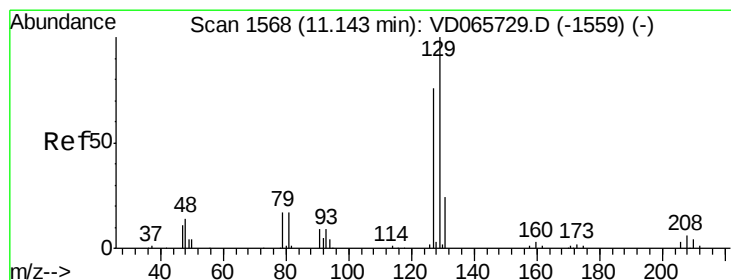
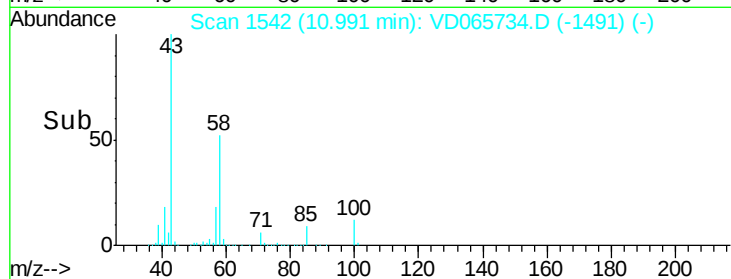
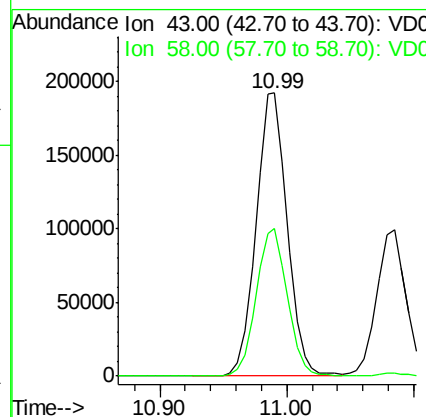
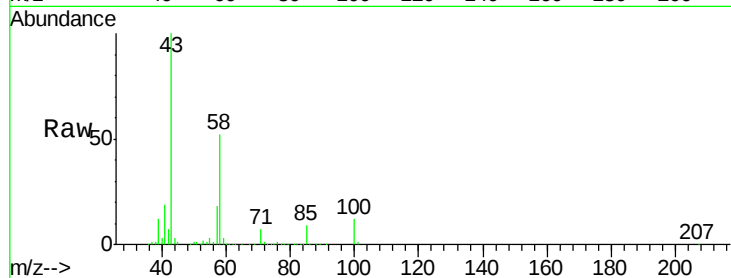




#59
2-Hexanone
Concen: 250.467 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

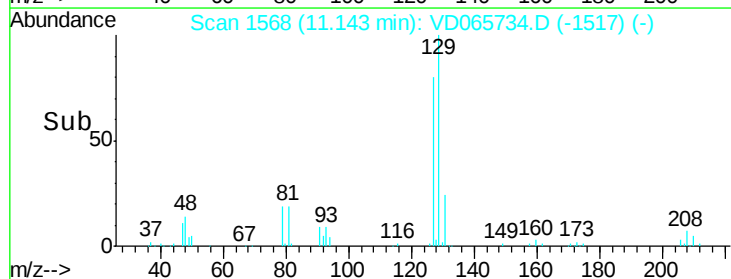
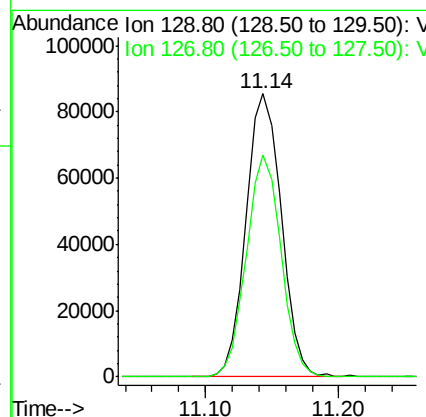
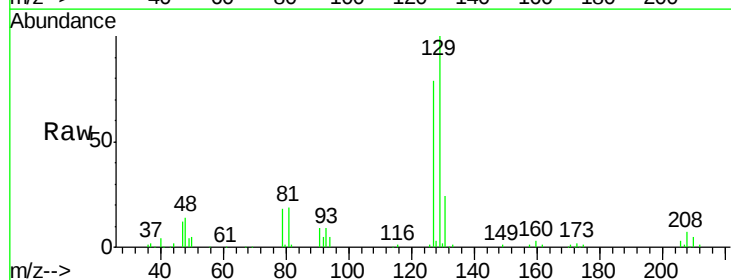
Instrument :
MSVOA_D
ClientSampled :

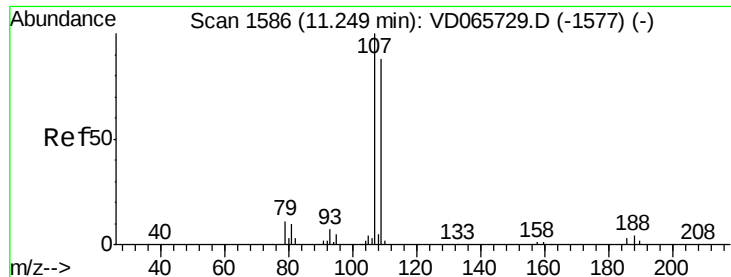
Tot Ion: 43 Resp: 329297
Ion Ratio Lower Upper
43 100
58 51.9 26.7 80.1



#60
Dibromochloromethane
Concen: 49.327 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 129 Resp: 156304
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9

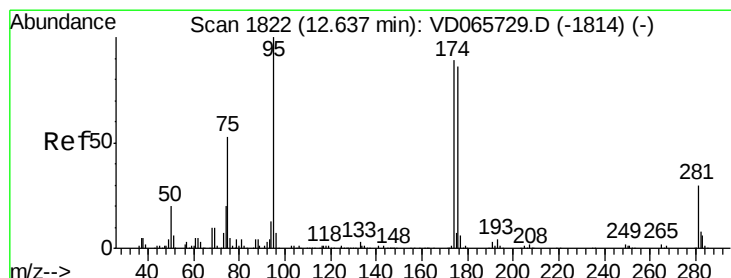
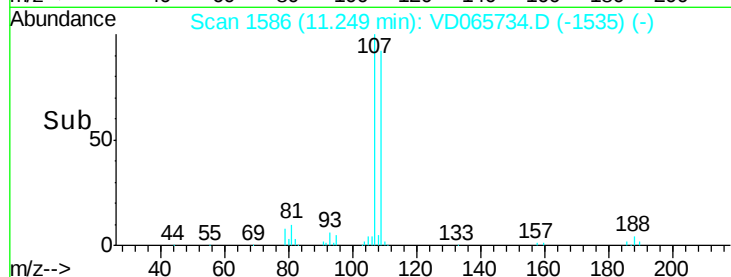
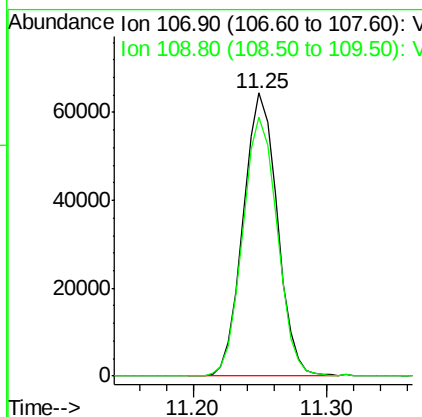
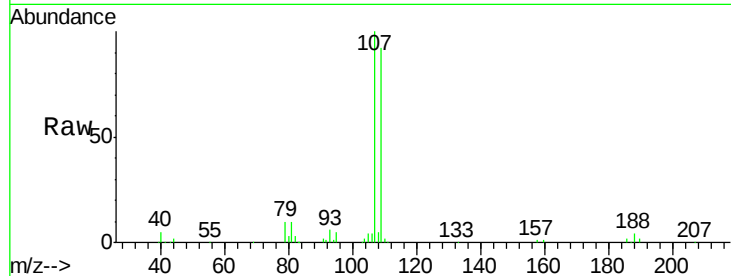




#61
1,2-Dibromoethane
Concen: 48.206 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

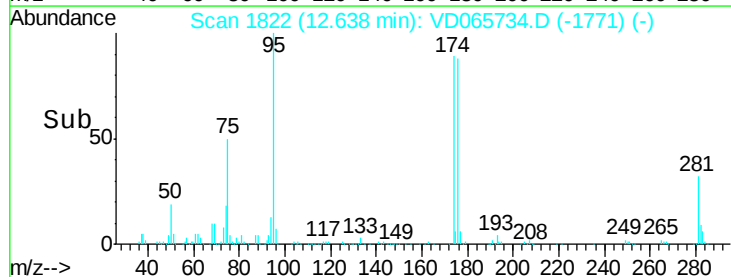
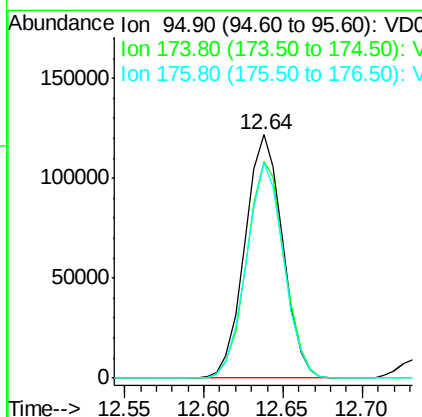
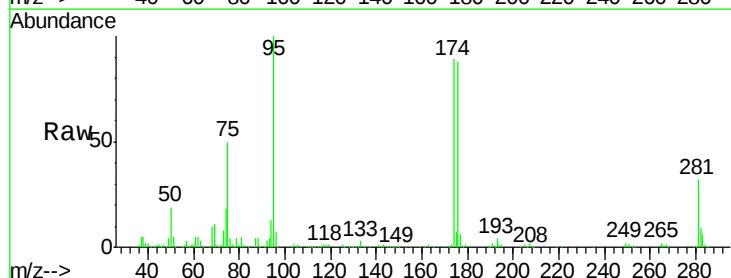
Instrument :
MSVOA_D
ClientSampleId :

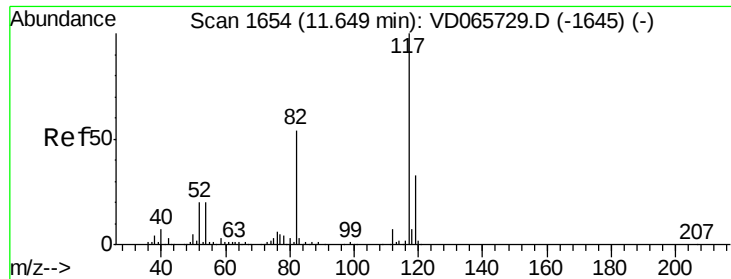
Tot Ion:107 Resp: 113924
Ion Ratio Lower Upper
107 100
109 92.7 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 50.484 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 95 Resp: 201748
Ion Ratio Lower Upper
95 100
174 88.8 0.0 179.4
176 87.2 0.0 174.0

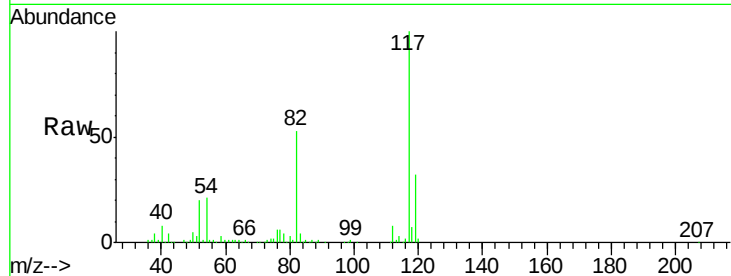




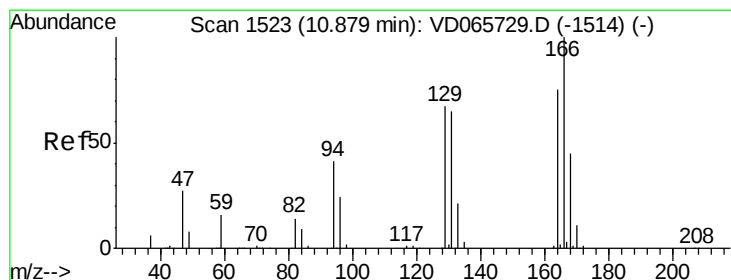
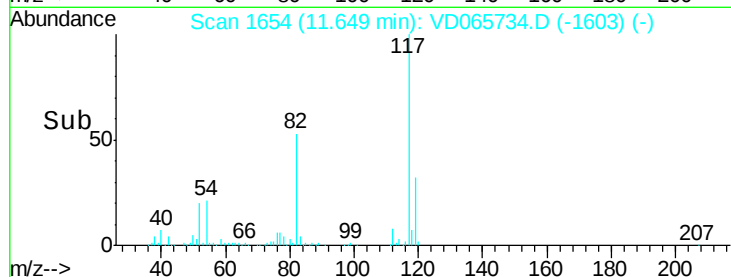
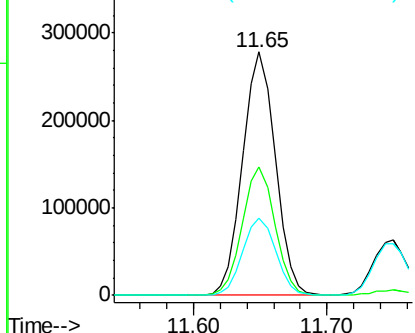
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 473434
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.6
119 31.6 26.6 40.0

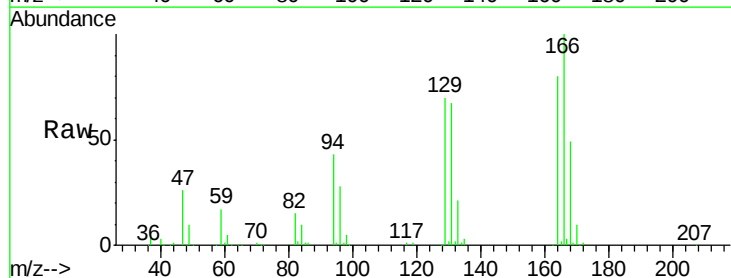


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

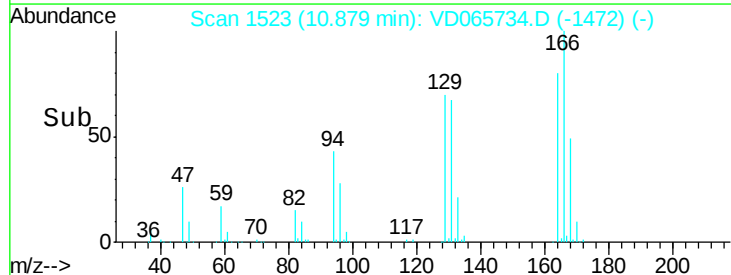
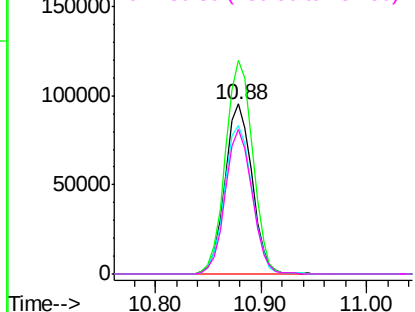


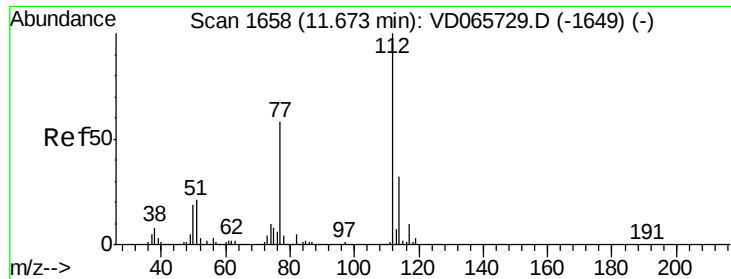
#64
Tetrachloroethene
Concen: 51.479 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion:164 Resp: 168528
Ion Ratio Lower Upper
164 100
166 125.6 106.6 159.8
129 87.3 71.4 107.2
131 84.8 69.4 104.0



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

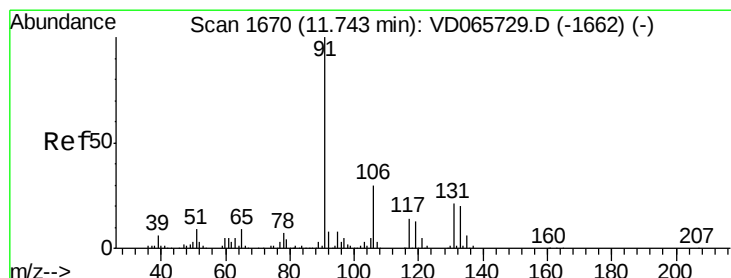
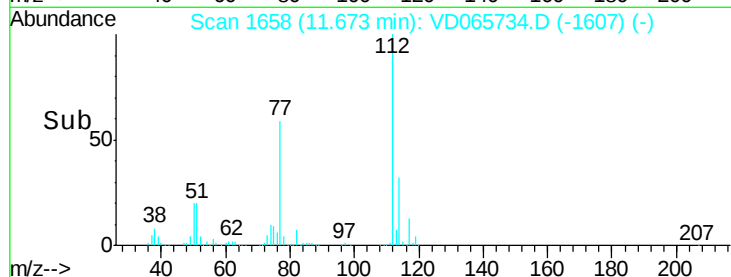
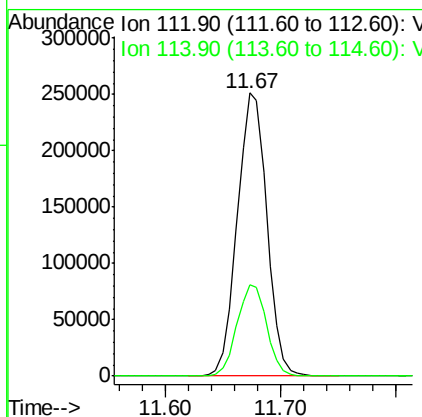
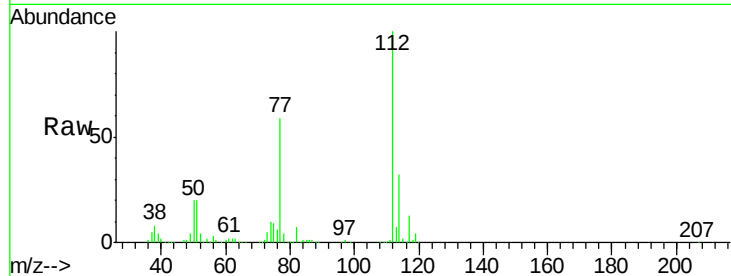




#65
Chlorobenzene
Concen: 49.964 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

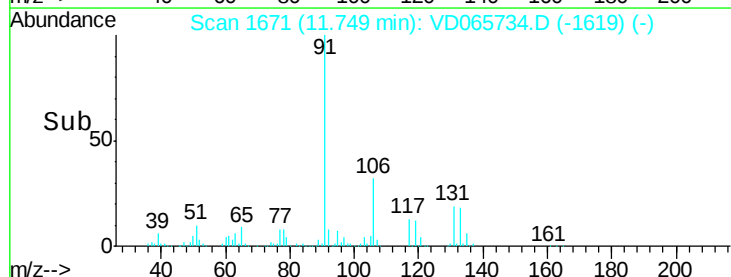
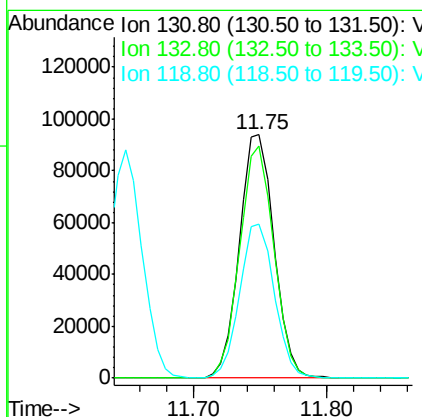
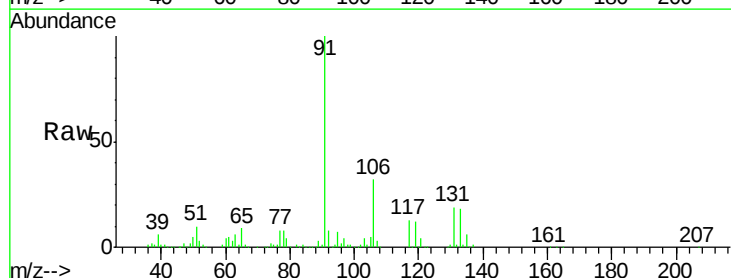
Instrument :
MSVOA_D
ClientSampled :

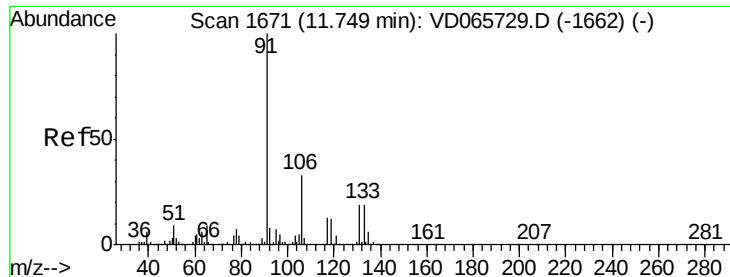
Tot Ion:112 Resp: 445751
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.555 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion:131 Resp: 168858
Ion Ratio Lower Upper
131 100
133 94.0 47.6 142.8
119 63.4 31.6 95.0

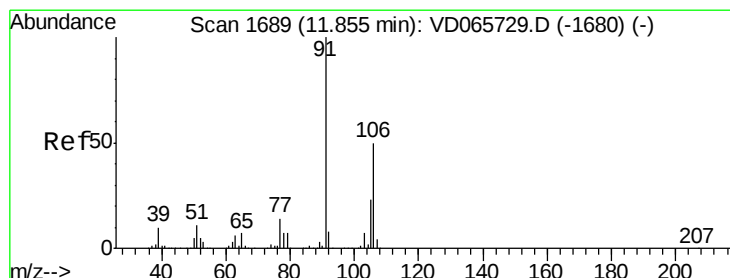
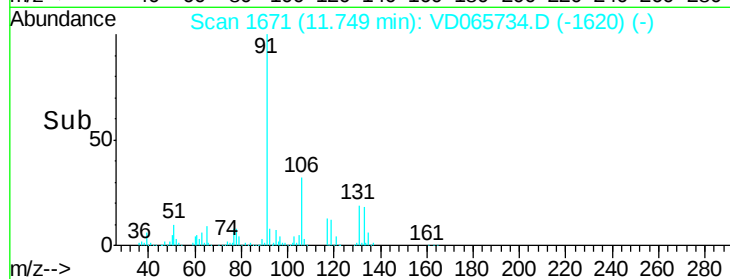
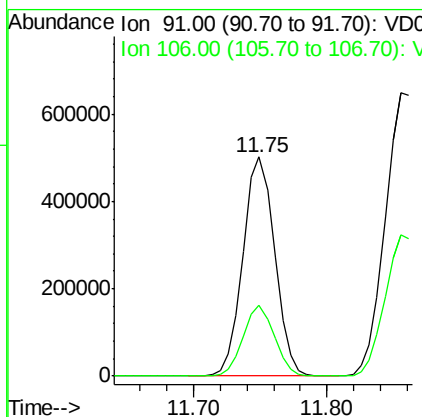
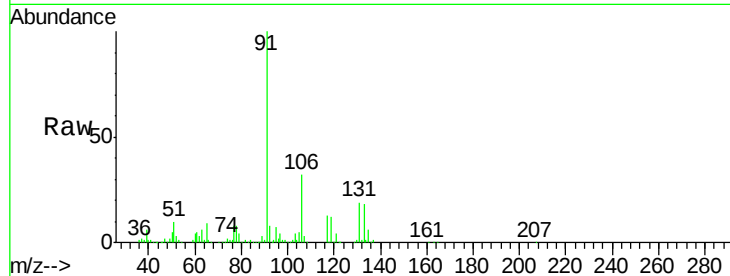




#67
Ethyl Benzene
Concen: 51.838 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

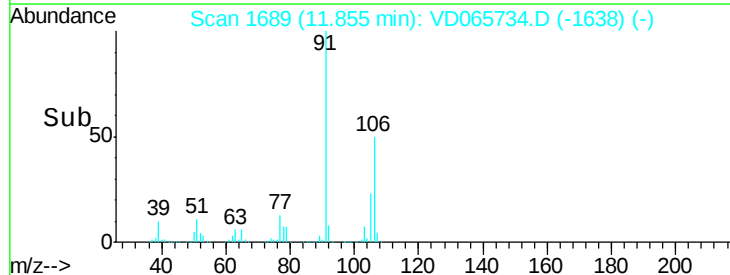
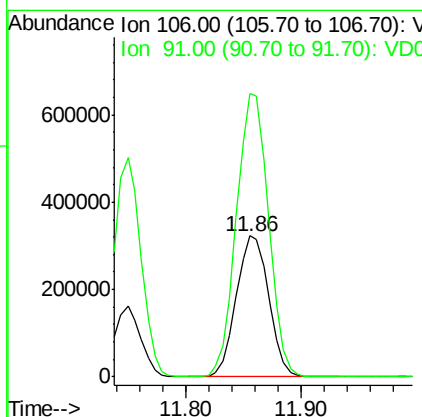
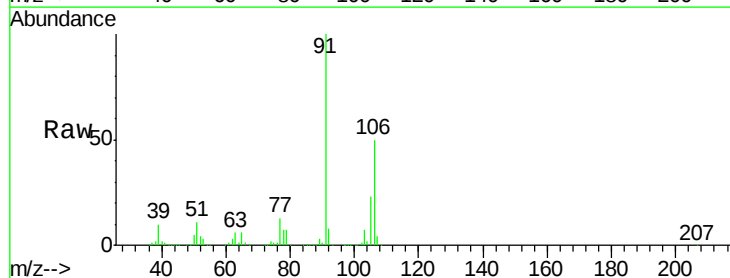
Instrument :
MSVOA_D
ClientSampled :

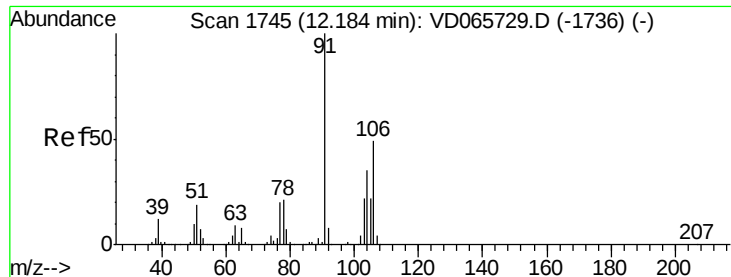
Tot Ion: 91 Resp: 824606
Ion Ratio Lower Upper
91 100
106 32.2 26.6 40.0



#68
m/p-Xylenes
Concen: 103.613 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 106 Resp: 629509
Ion Ratio Lower Upper
106 100
91 198.7 158.7 238.1





#69

o-Xylene

Concen: 50.796 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

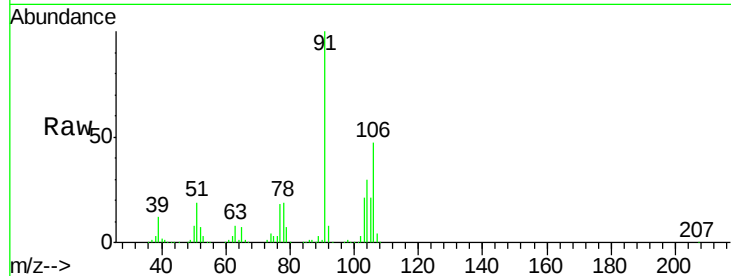
ClientSampled :

Tot Ion:106 Resp: 287295

Ion Ratio Lower Upper

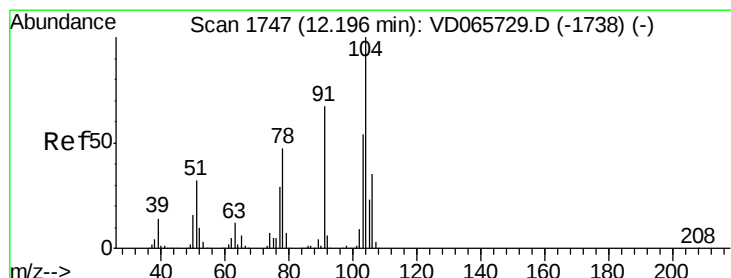
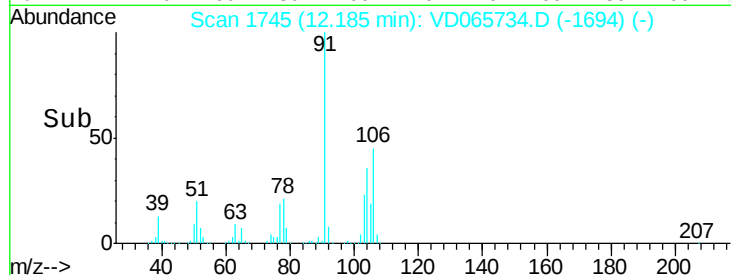
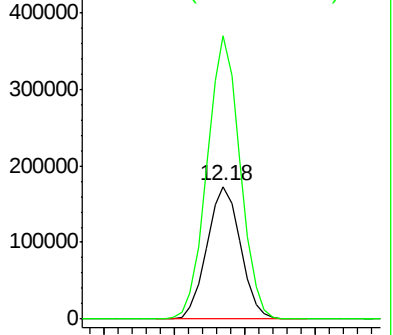
106 100

91 210.0 101.8 305.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 50.670 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

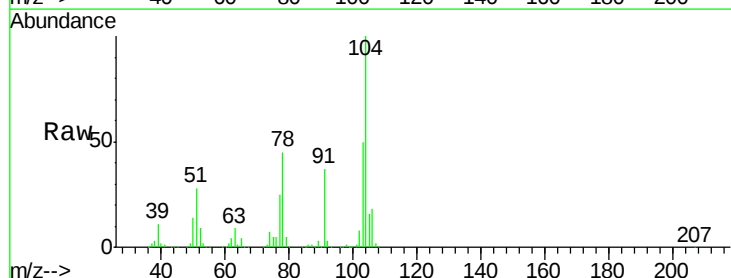
Tgt Ion:104 Resp: 489077

Ion Ratio Lower Upper

104 100

78 49.1 39.0 58.6

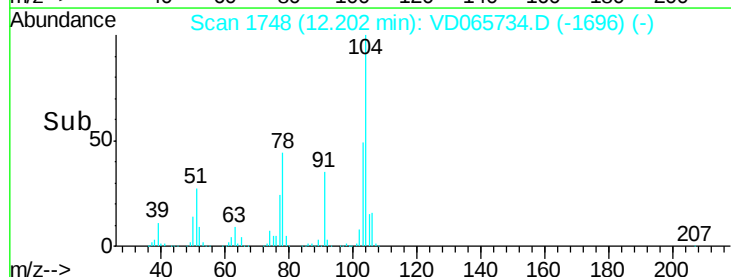
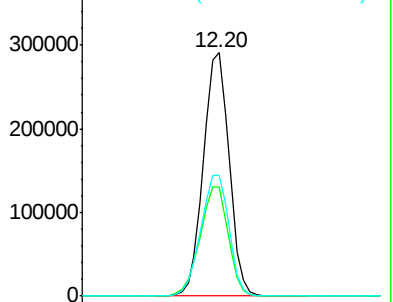
103 54.7 44.0 66.0

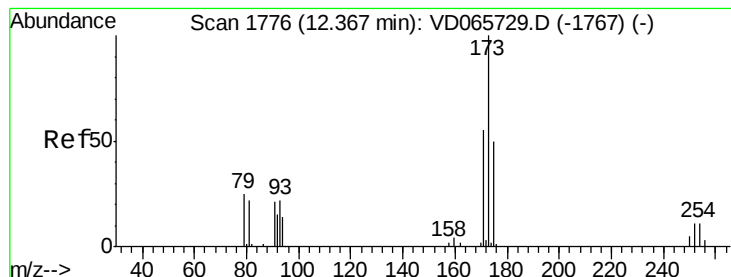


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VDC

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.838 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

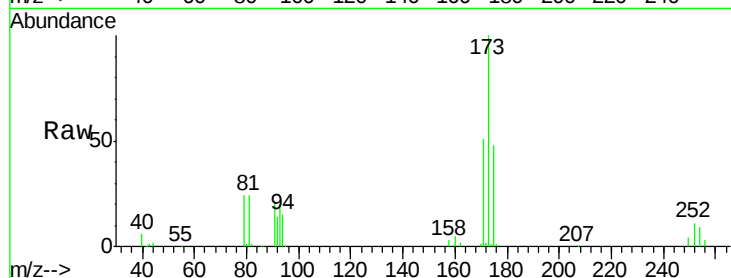
Tot Ion:173 Resp: 93718

Ion Ratio Lower Upper

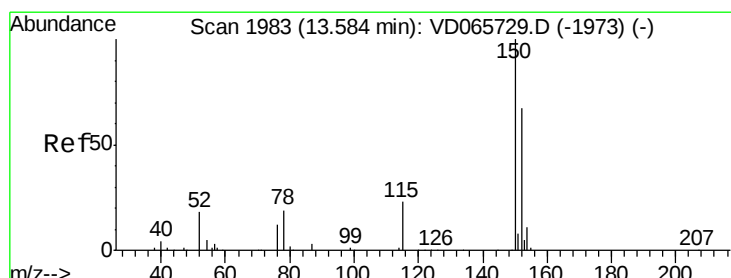
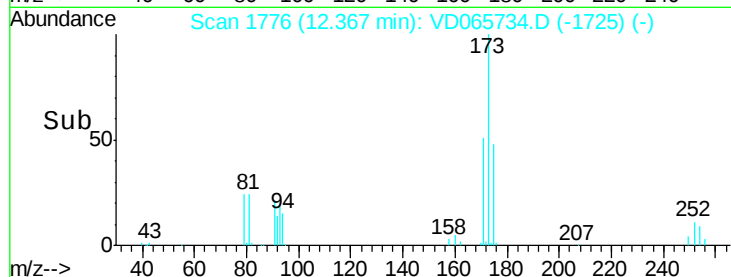
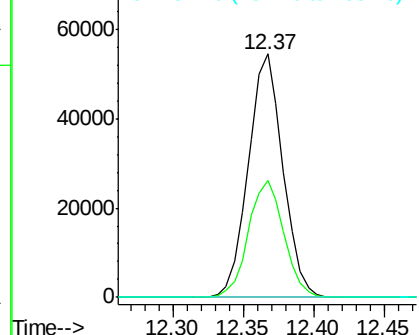
173 100

175 49.0 24.6 73.6

254 0.1 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: VD065734.D

Acq: 14 May 2020 10:13

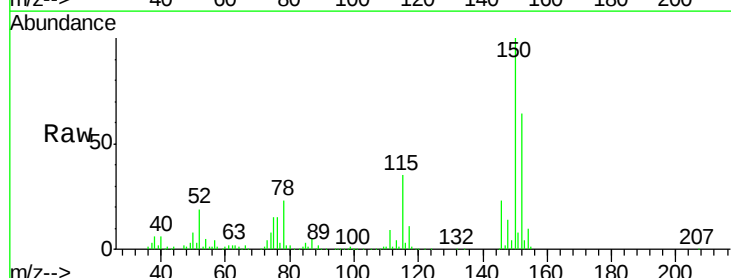
Tgt Ion:152 Resp: 230892

Ion Ratio Lower Upper

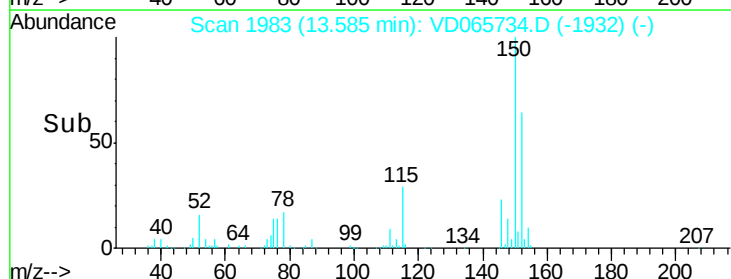
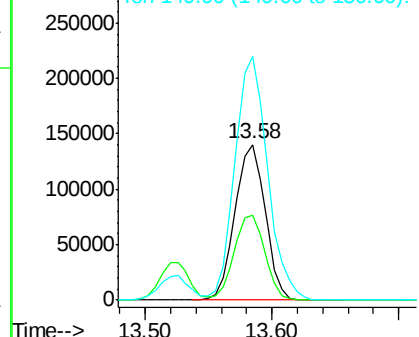
152 100

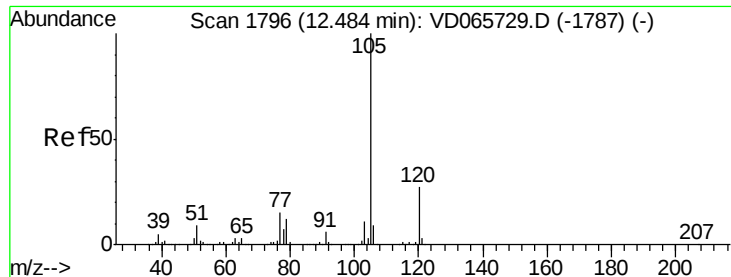
115 55.2 28.1 84.3

150 169.2 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.987 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

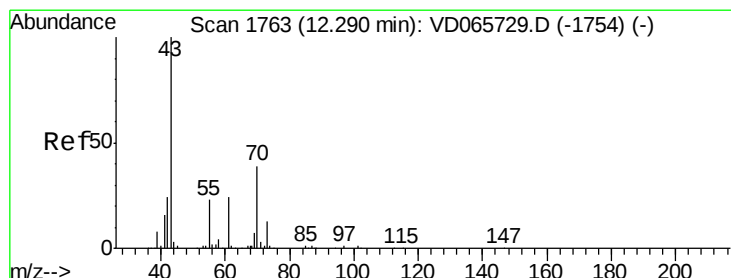
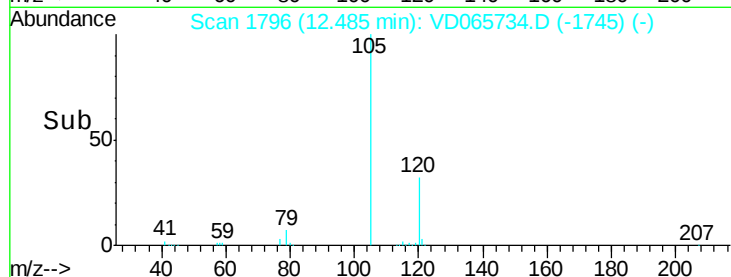
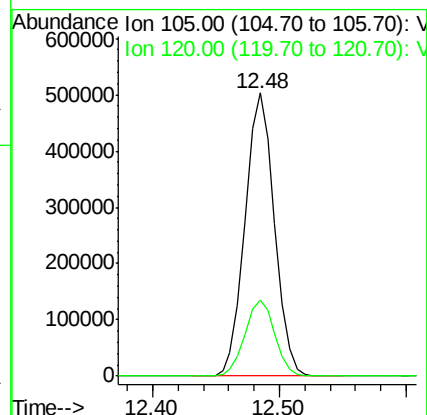
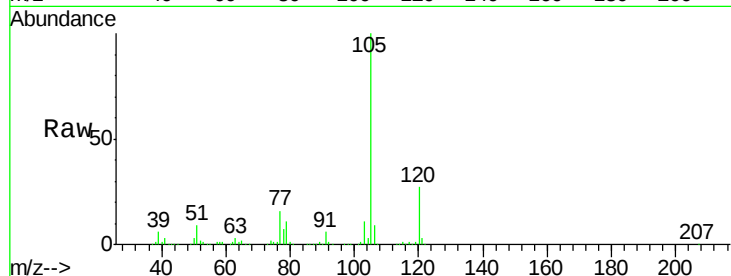
ClientSampled :

Tot Ion:105 Resp: 805834

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0



#74

N-ethyl acetate

Concen: 48.846 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Tgt Ion: 43 Resp: 175794

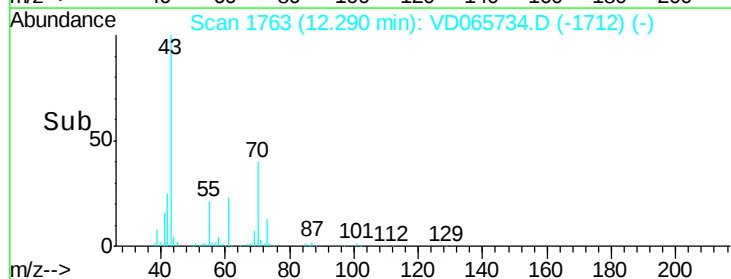
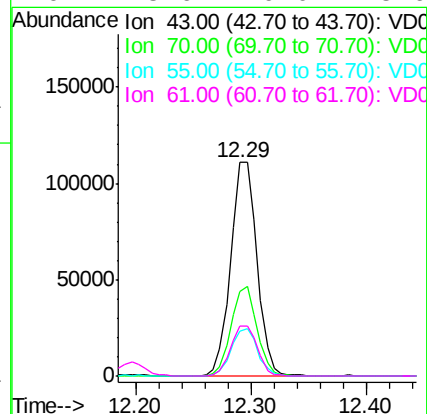
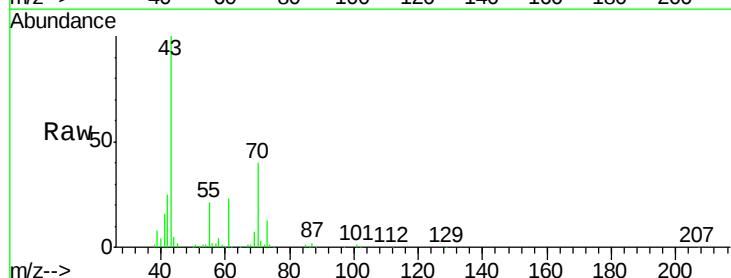
Ion Ratio Lower Upper

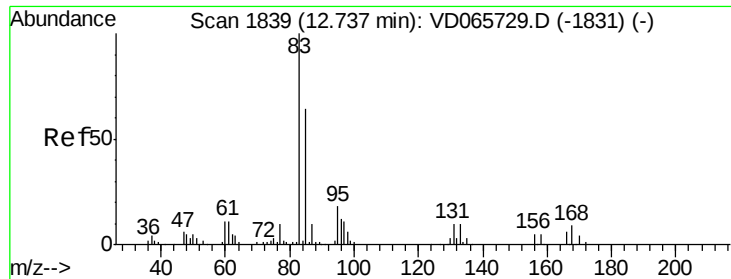
43 100

70 41.2 31.8 47.6

55 22.1 17.9 26.9

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.751 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

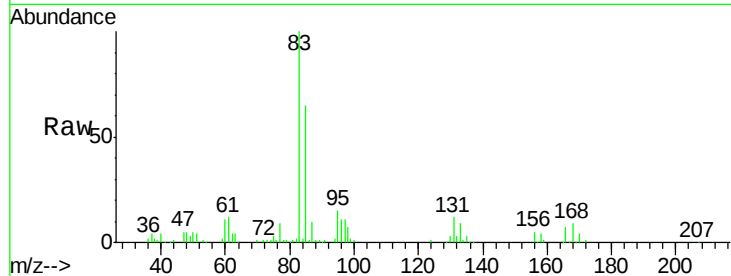
Tot Ion: 83 Resp: 119605

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.6

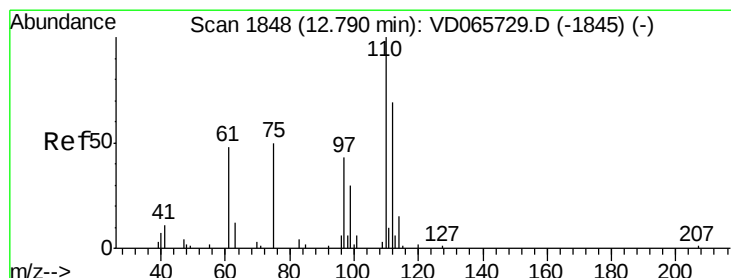
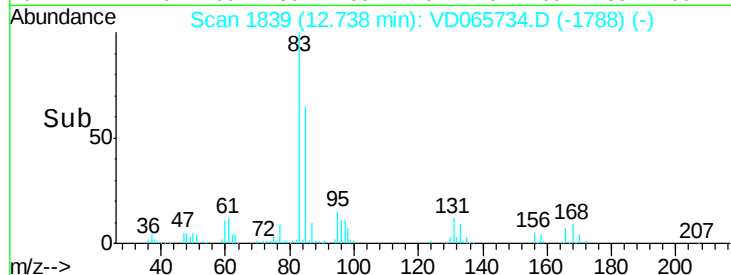
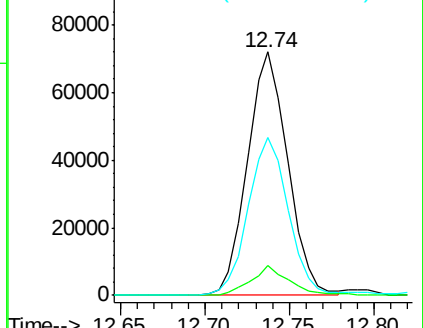
85 64.7 32.5 97.4



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: 93.154 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065734.D

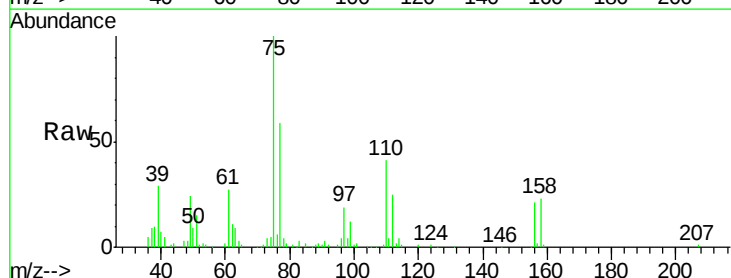
Acq: 14 May 2020 10:13

Tgt Ion: 75 Resp: 160520

Ion Ratio Lower Upper

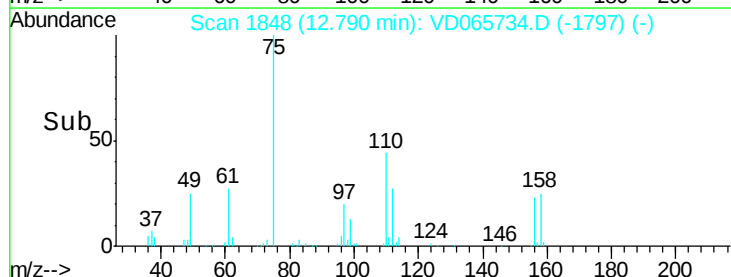
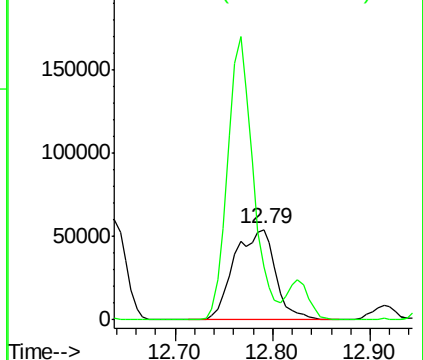
75 100

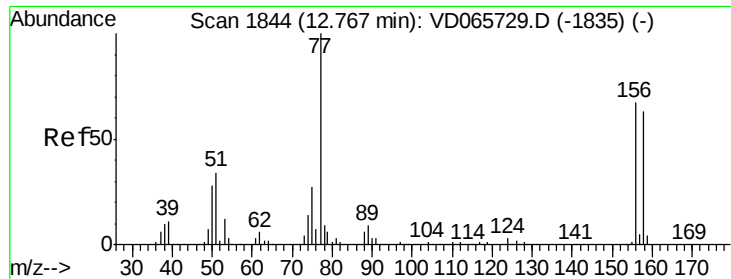
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.087 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

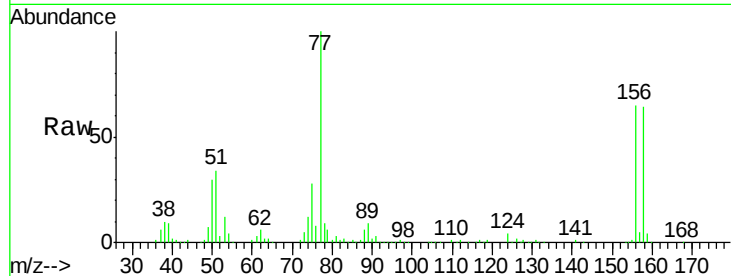
Tot Ion:156 Resp: 187138

Ion Ratio Lower Upper

156 100

77 166.5 84.9 254.6

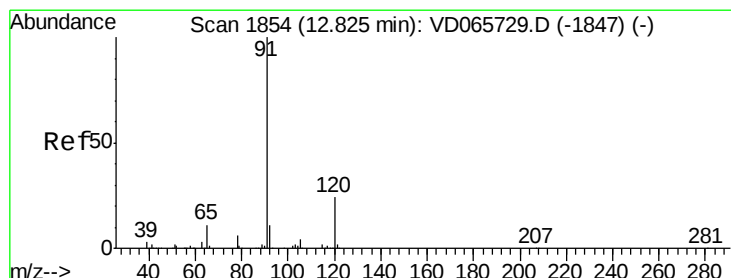
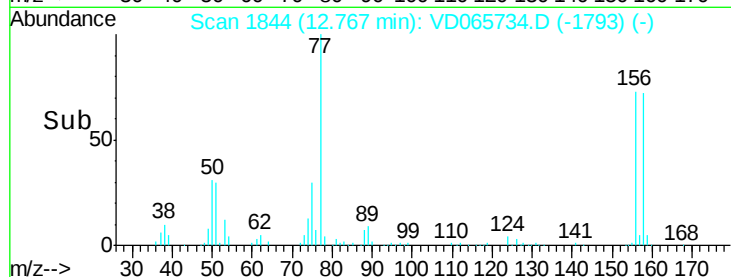
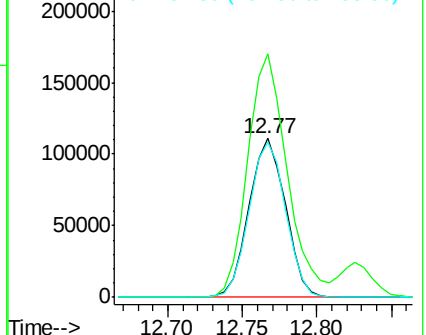
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.806 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065734.D

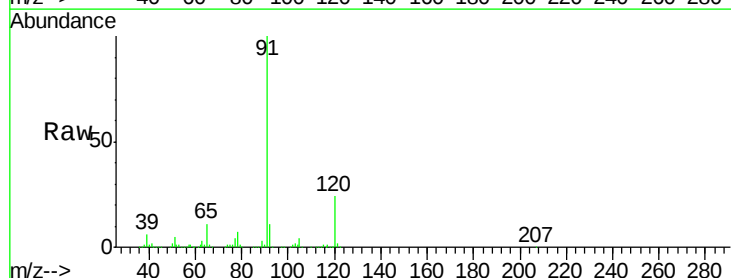
Acq: 14 May 2020 10:13

Tgt Ion: 91 Resp: 938051

Ion Ratio Lower Upper

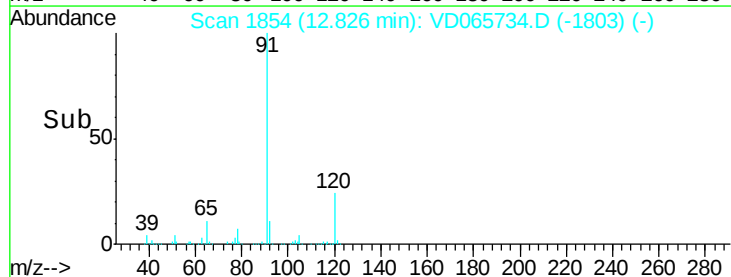
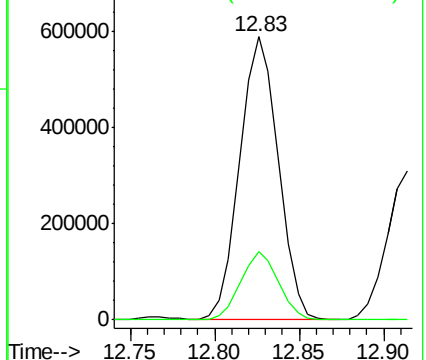
91 100

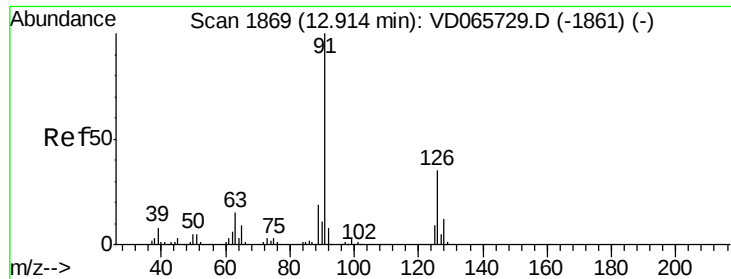
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

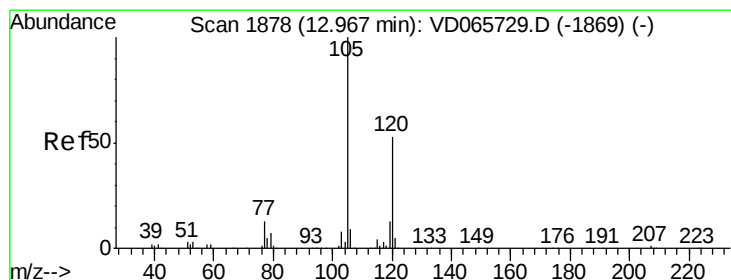
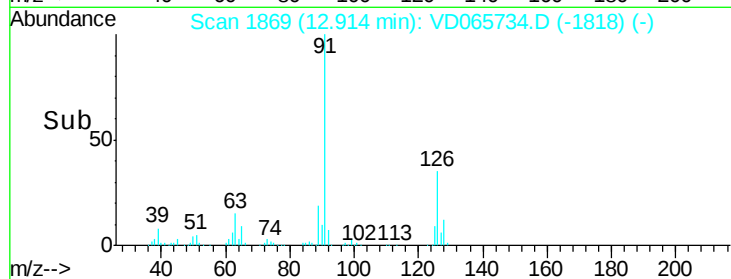
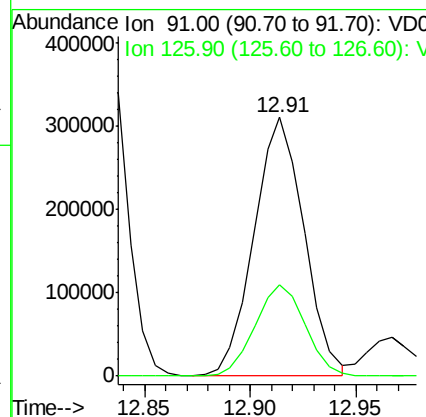
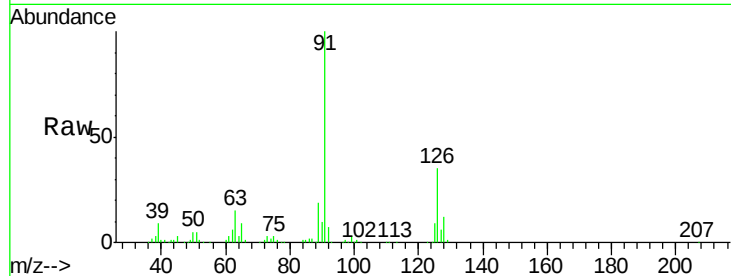




#79
2-Chlorotoluene
Concen: 50.987 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

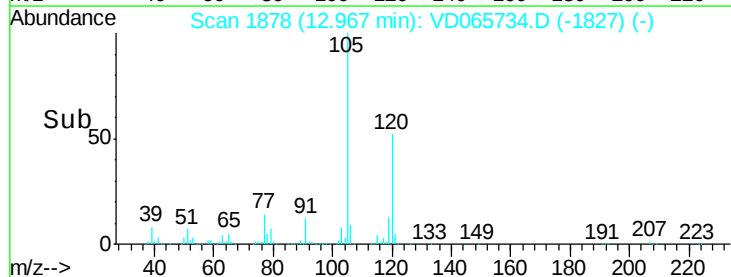
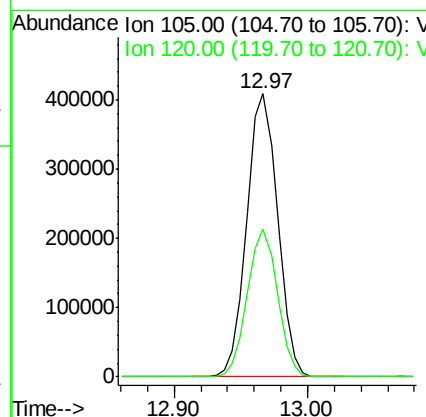
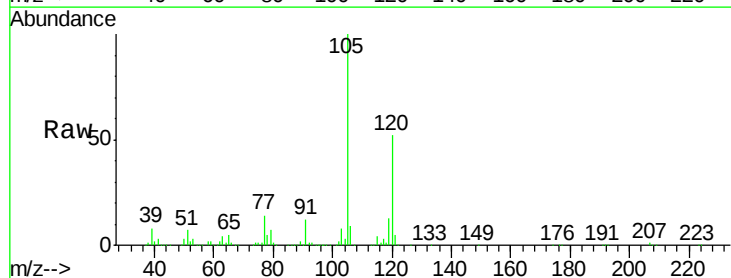
Instrument :
MSVOA_D
ClientSampleId :

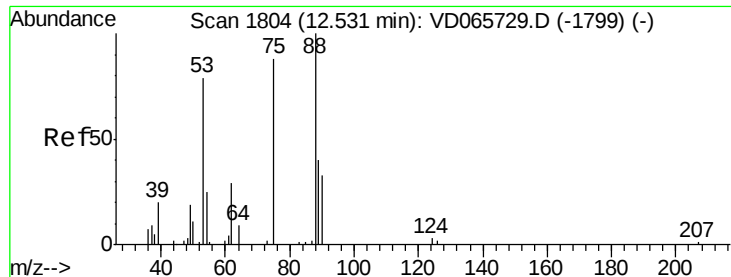
Tot Ion: 91 Resp: 510825
Ion Ratio Lower Upper
91 100
126 35.8 18.1 54.1



#80
1,3,5-Trimethylbenzene
Concen: 51.141 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion:105 Resp: 653169
Ion Ratio Lower Upper
105 100
120 51.0 25.7 77.0

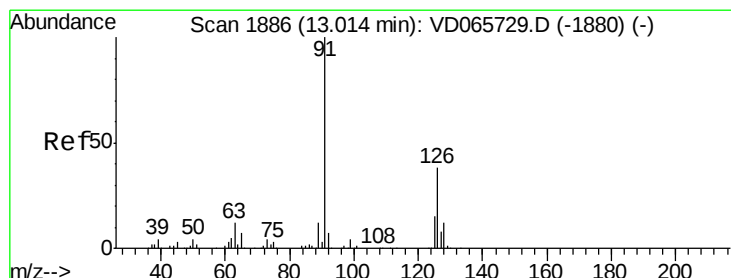
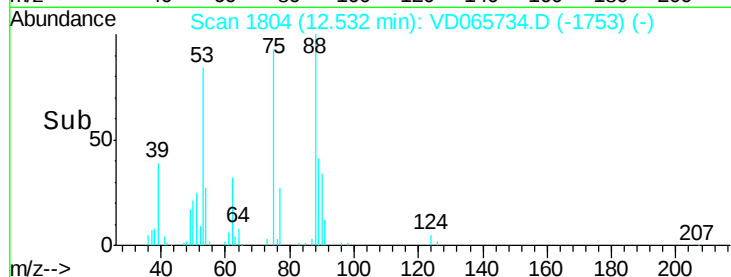
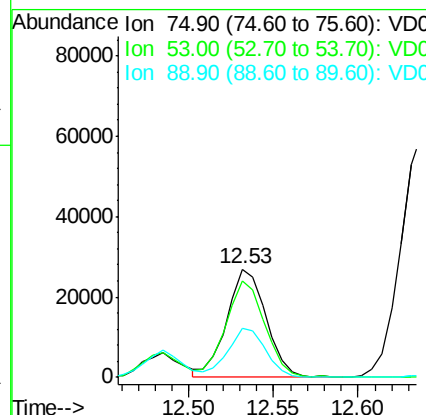
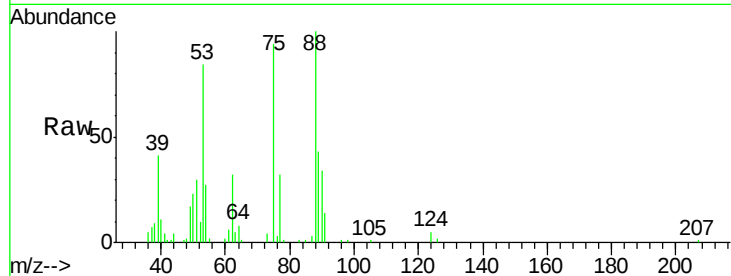




#81
trans-1,4-Dichloro-2-butene
Concen: 49.772 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

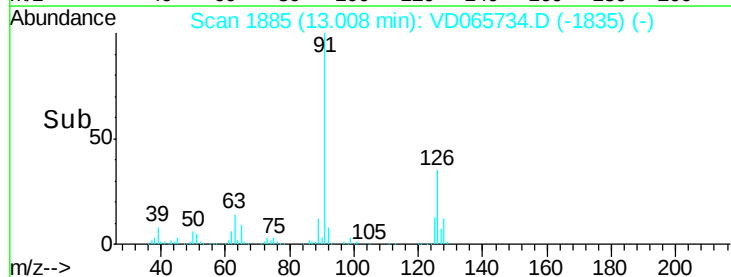
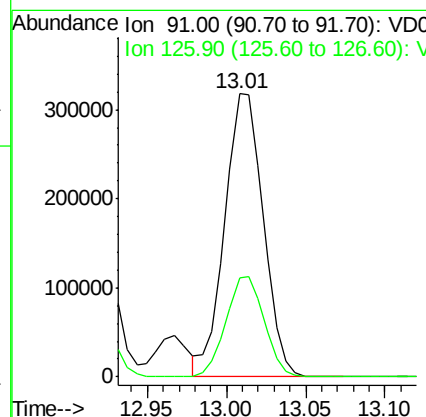
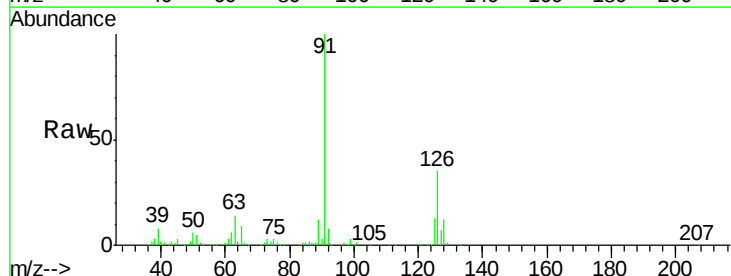
Instrument :
MSVOA_D
ClientSampled :

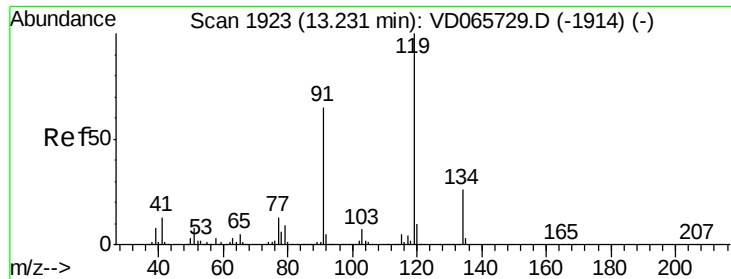
Tot Ion: 75 Resp: 43717
Ion Ratio Lower Upper
75 100
53 88.6 72.6 109.0
89 43.7 37.0 55.4



#82
4-Chlorotoluene
Concen: 50.746 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion: 91 Resp: 536007
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.3

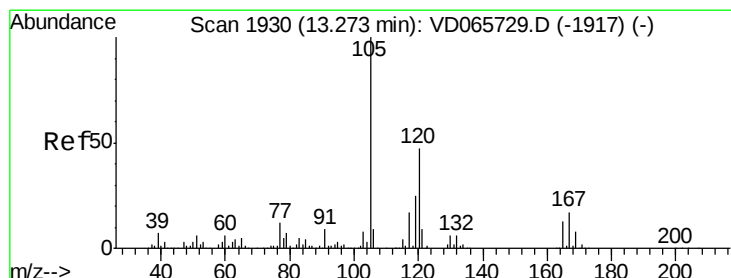
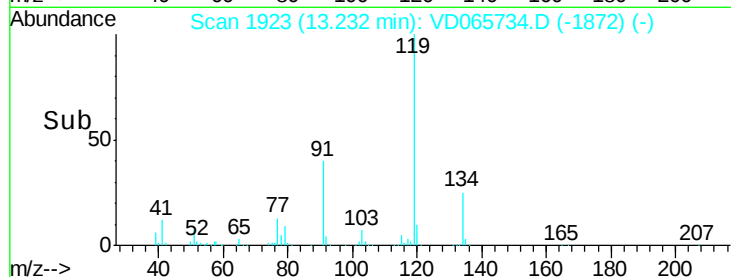
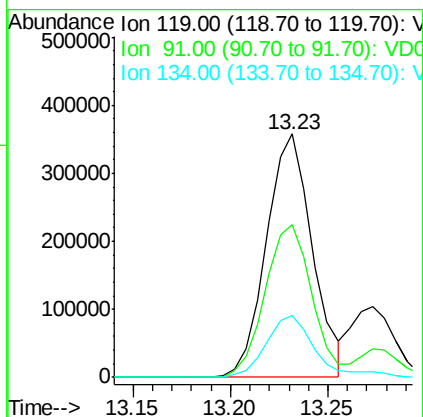
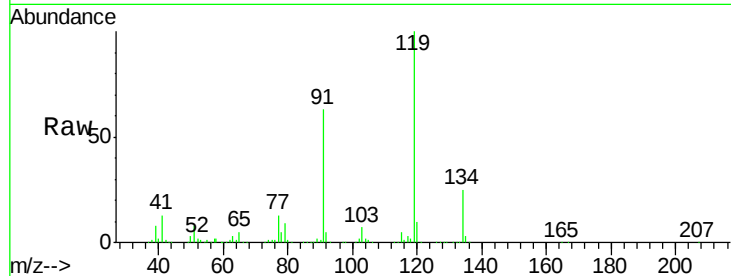




#83
tert-Butylbenzene
Concen: 51.629 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

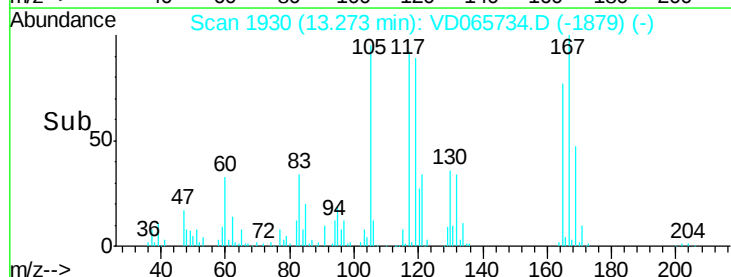
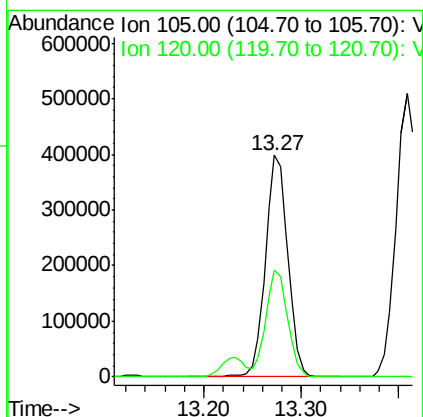
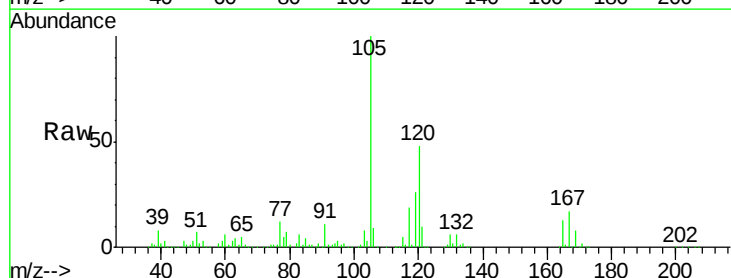
Instrument :
MSVOA_D
ClientSampleId :

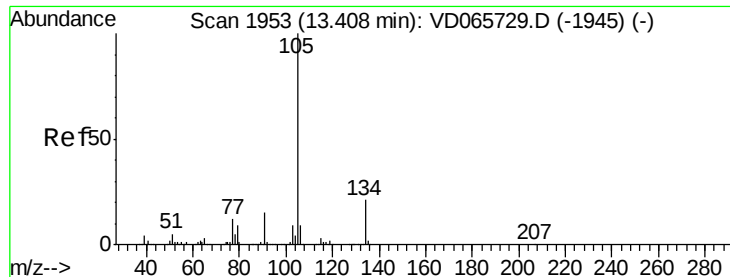
Tot Ion:119 Resp: 584719
Ion Ratio Lower Upper
119 100
91 64.5 31.6 95.0
134 27.1 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 50.835 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065734.D
Acq: 14 May 2020 10:13

Tgt Ion:105 Resp: 640307
Ion Ratio Lower Upper
105 100
120 47.0 23.6 70.8

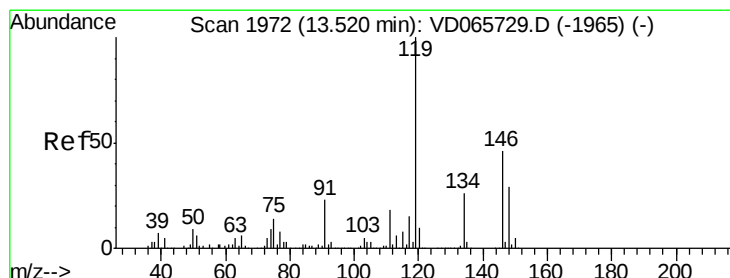
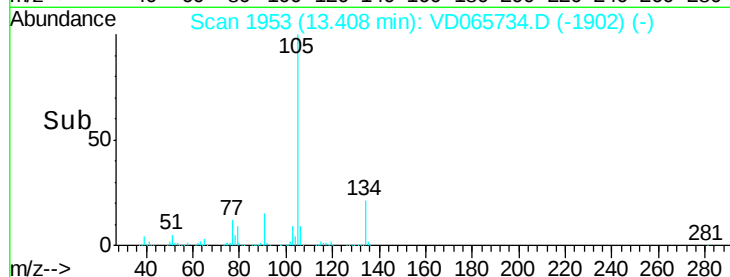
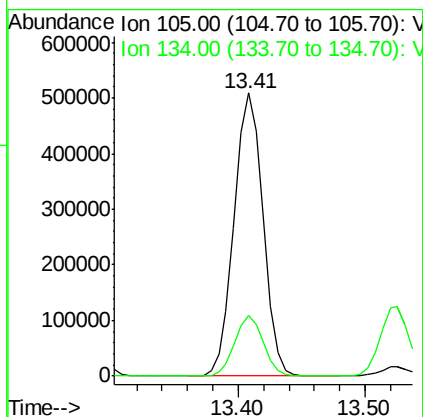
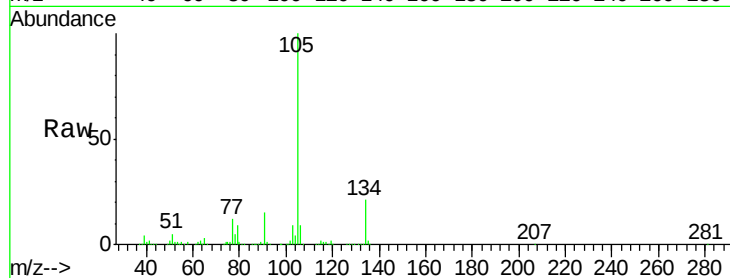




#85
 sec-Butylbenzene
 Concen: 51.972 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

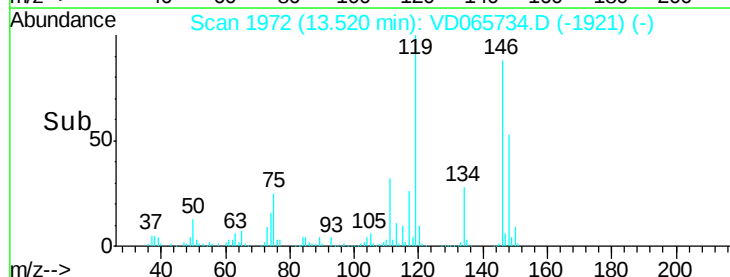
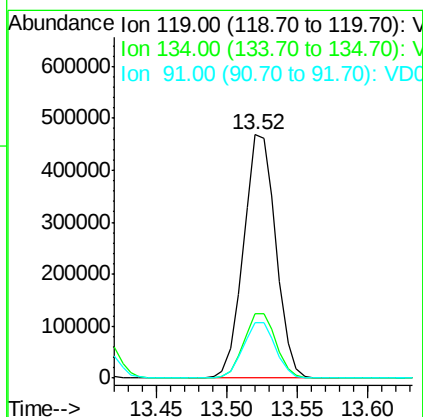
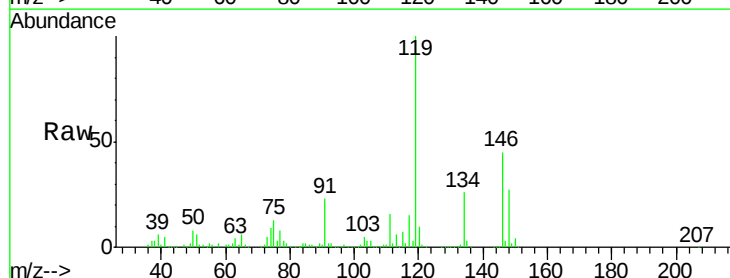
Instrument :
 MSVOA_D
 ClientSampled :

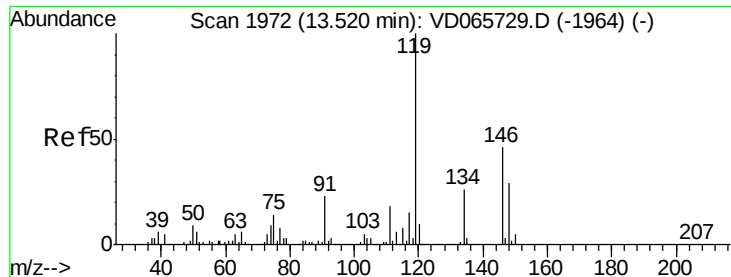
Tot Ion:105 Resp: 800915
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 52.749 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Tgt Ion:119 Resp: 747178
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.6 40.7
 91 23.0 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 50.214 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

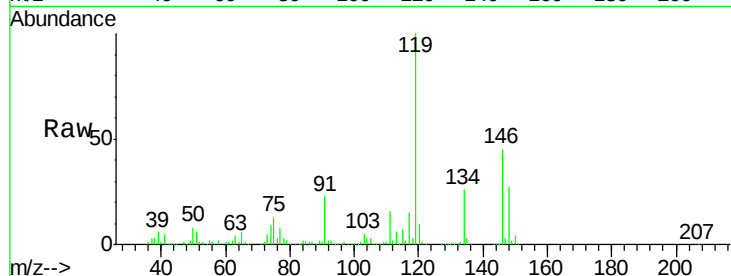
Tot Ion:146 Resp: 351883

Ion Ratio Lower Upper

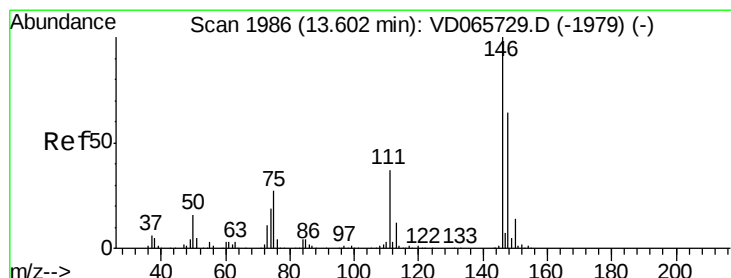
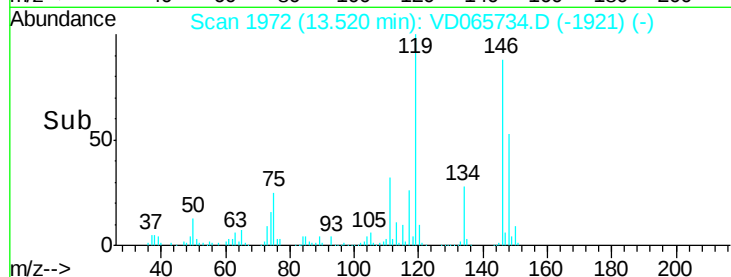
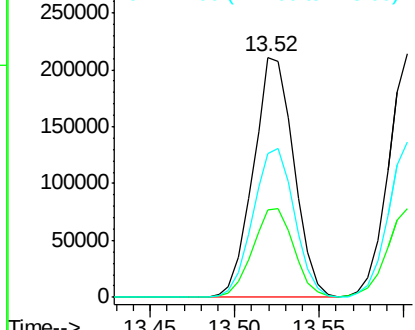
146 100

111 37.5 18.9 56.9

148 63.6 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 49.975 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

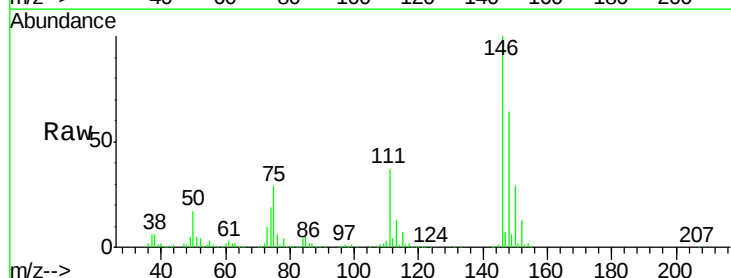
Tgt Ion:146 Resp: 348824

Ion Ratio Lower Upper

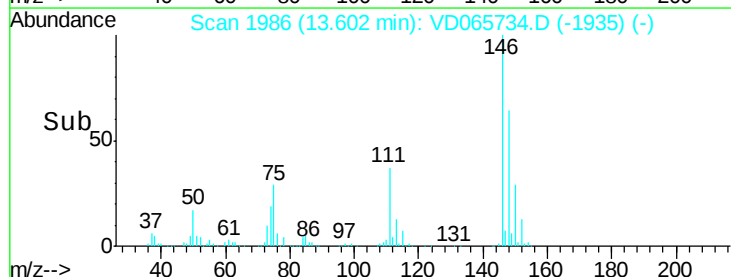
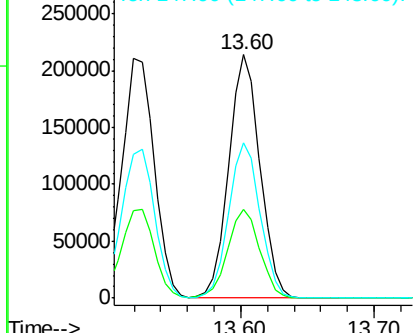
146 100

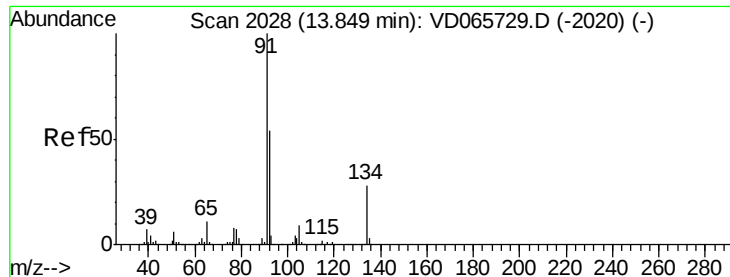
111 37.4 18.4 55.2

148 64.3 31.6 94.7



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





#89

n-Butylbenzene

Concen: 52.831 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

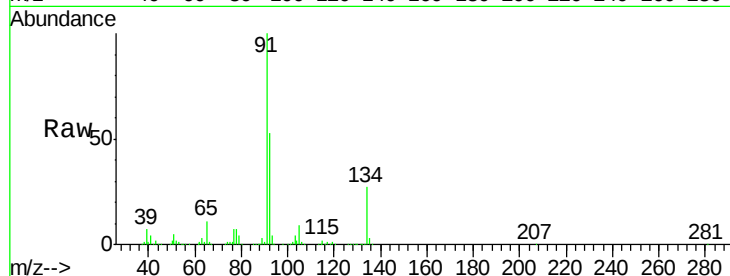
Tot Ion: 91 Resp: 699768

Ion Ratio Lower Upper

91 100

92 53.4 27.0 81.0

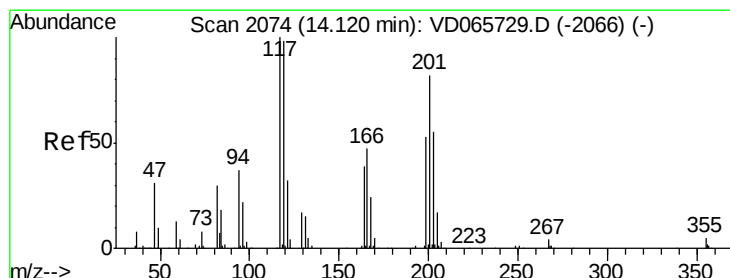
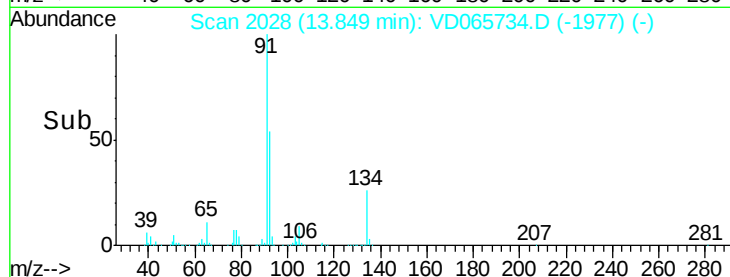
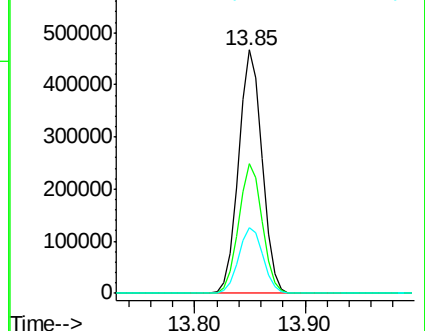
134 27.8 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 51.951 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065734.D

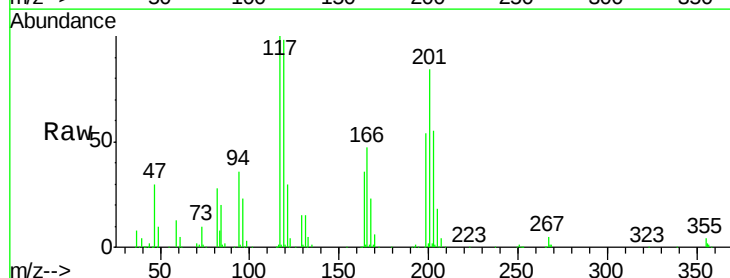
Acq: 14 May 2020 10:13

Tgt Ion: 117 Resp: 143968

Ion Ratio Lower Upper

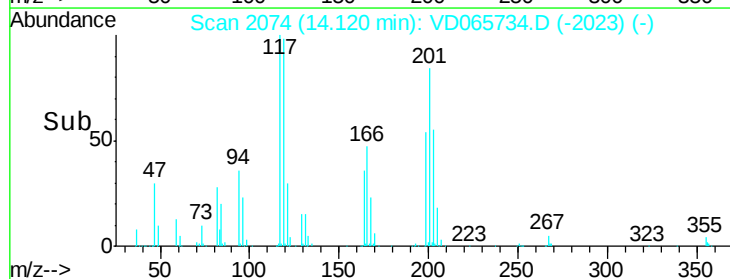
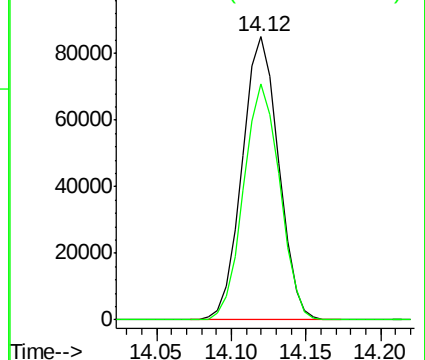
117 100

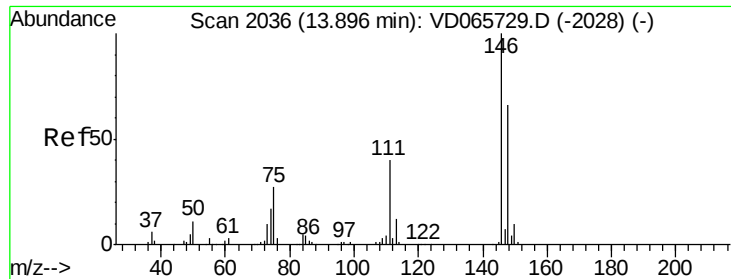
201 82.8 41.8 125.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.645 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampleId :

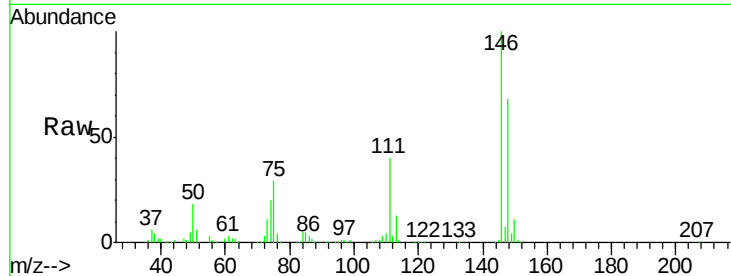
Tot Ion:146 Resp: 300915

Ion Ratio Lower Upper

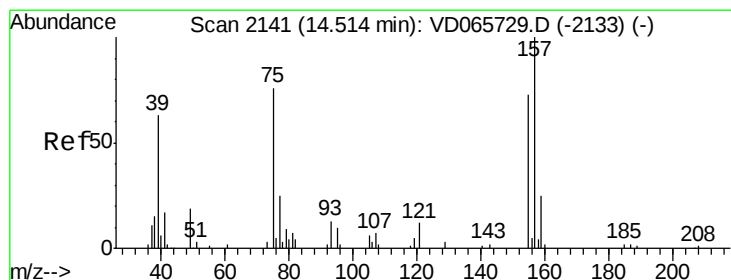
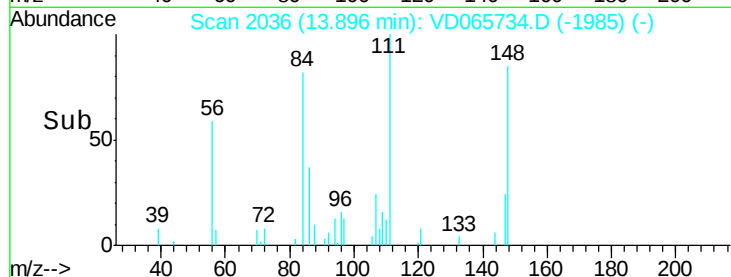
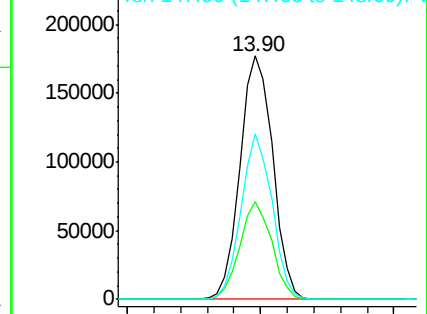
146 100

111 39.3 20.0 60.0

148 64.3 32.4 97.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.107 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

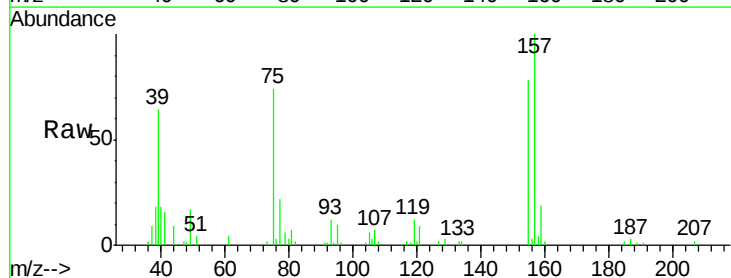
Tgt Ion: 75 Resp: 18916

Ion Ratio Lower Upper

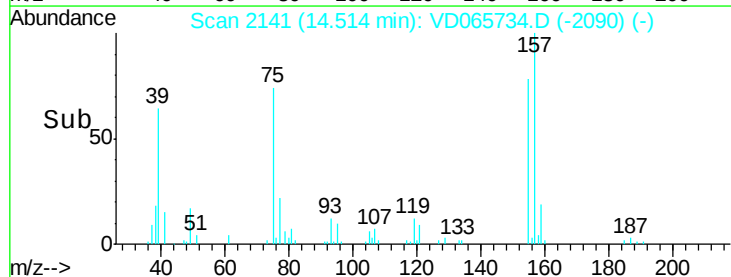
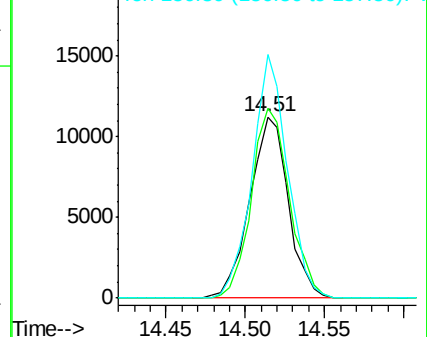
75 100

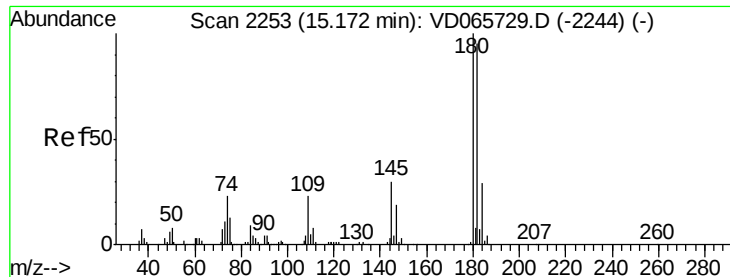
155 103.5 48.4 145.0

157 123.0 62.6 187.8



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

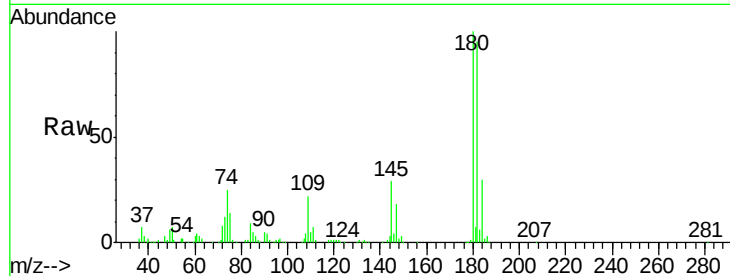




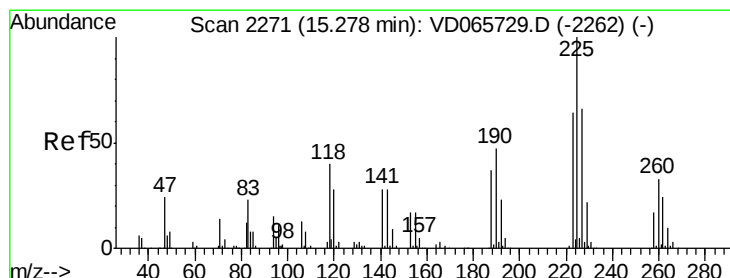
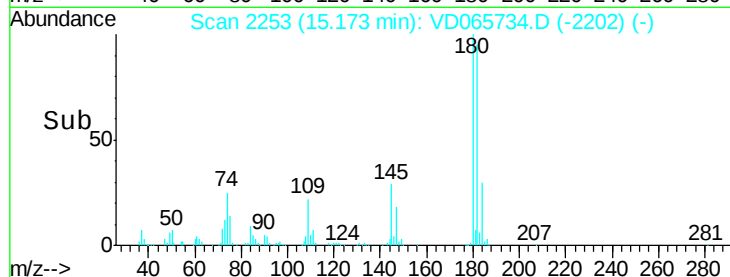
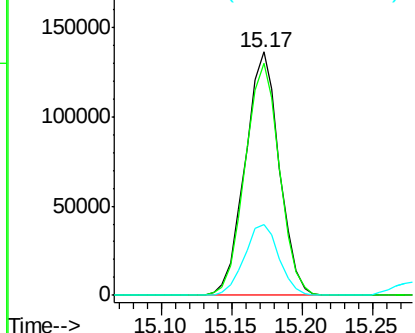
#93
 1,2,4-Trichlorobenzene
 Concen: 50.088 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.0	141.0
145	29.6	14.5	43.6

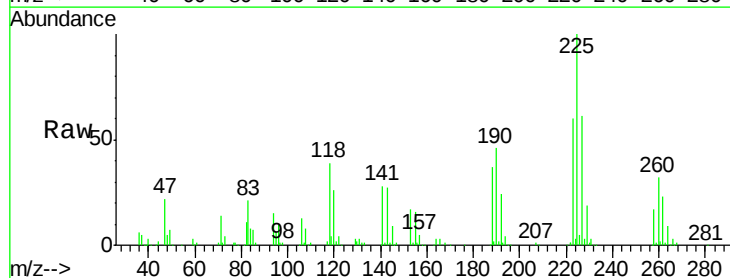


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

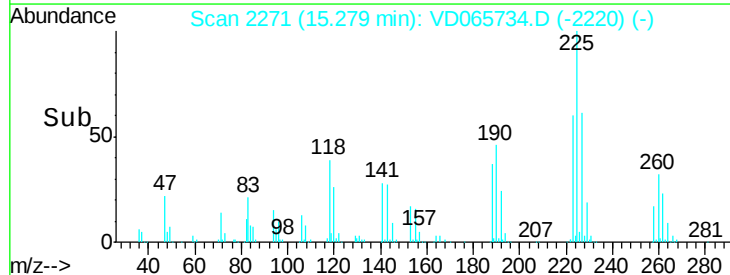
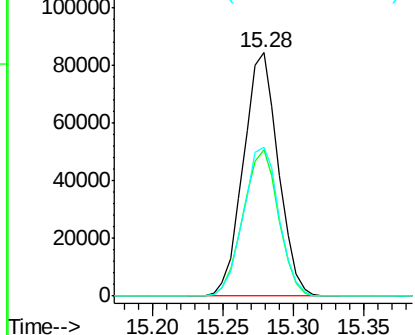


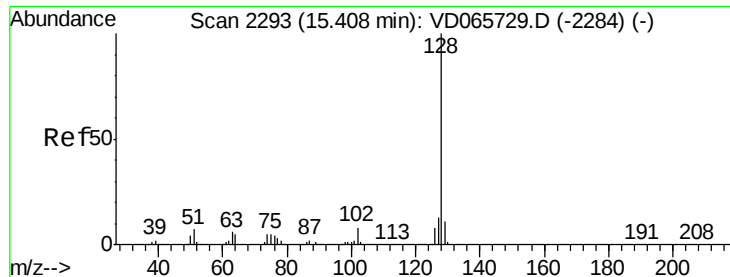
#94
 Hexachlorobutadiene
 Concen: 52.908 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065734.D
 Acq: 14 May 2020 10:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	62.7	32.2	96.6



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





#95

Naphthalene

Concen: 48.767 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

Instrument :

MSVOA_D

ClientSampled :

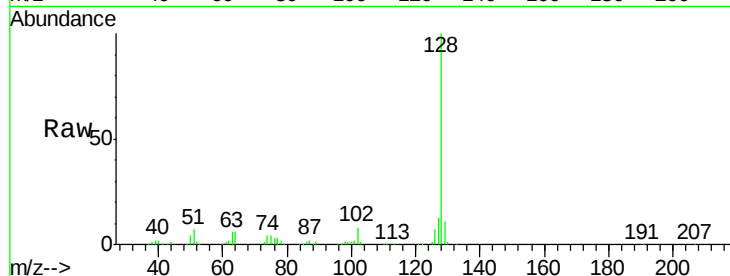
Tot Ion:128 Resp: 374013

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

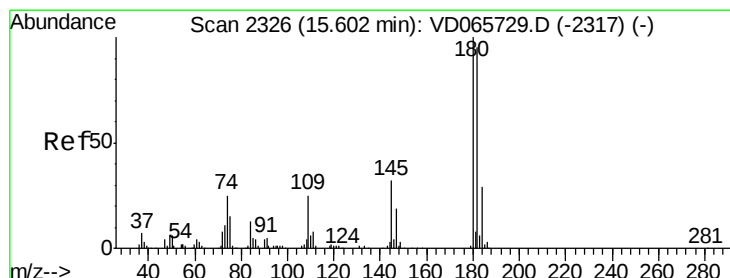
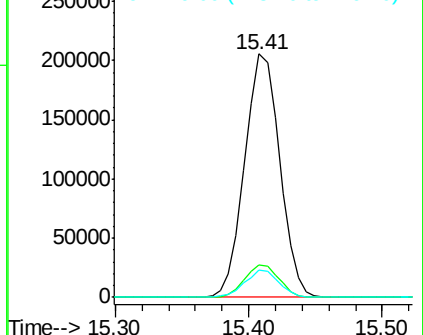
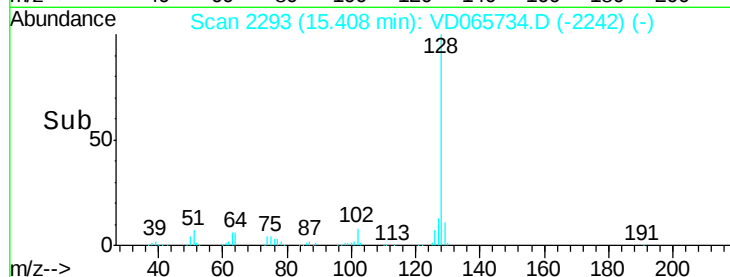
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.528 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065734.D

Acq: 14 May 2020 10:13

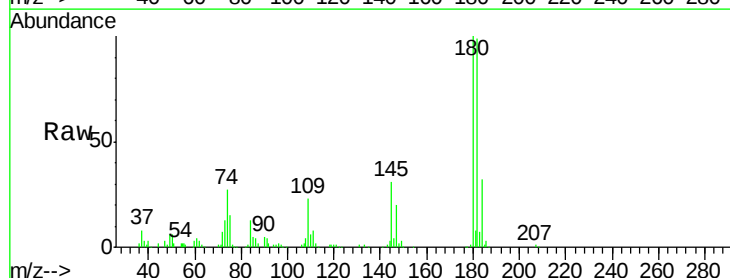
Tgt Ion:180 Resp: 194716

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.6

145 30.2 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

