

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065731.D
 Acq On : 13 May 2020 14:15
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 13 14:30:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 13:42:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	369907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	555719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244412	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	440395	124.20	ug/l	0.00
Spiked Amount			Recovery	=	248.40%	
35) Dibromofluoromethane	7.92	113	464254	136.95	ug/l	0.00
Spiked Amount			Recovery	=	273.90%	
50) Toluene-d8	10.34	98	1750744	135.20	ug/l	0.00
Spiked Amount			Recovery	=	270.40%	
62) 4-Bromofluorobenzene	12.64	95	589551	129.10	ug/l	0.00
Spiked Amount			Recovery	=	258.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	355244	125.719	ug/l	99
3) Chloromethane	2.21	50	478454	132.050	ug/l	98
4) Vinyl Chloride	2.35	62	539567	145.926	ug/l	99
5) Bromomethane	2.75	94	359202	152.632	ug/l	97
6) Chloroethane	2.91	64	349873	146.185	ug/l	100
7) Trichlorofluoromethane	3.27	101	741050	127.942	ug/l	95
8) Diethyl Ether	3.71	74	220729	122.758	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	453134	128.930	ug/l	98
10) Methyl Iodide	4.30	142	571143	164.450	ug/l	99
11) Tert butyl alcohol	5.22	59	147622	460.174	ug/l	99
12) 1,1-Dichloroethene	4.07	96	433517	125.753	ug/l	98
13) Acrolein	3.93	56	117775	414.264	ug/l	96
14) Allyl chloride	4.71	41	745353	110.490	ug/l	100
15) Acrylonitrile	5.42	53	473806	567.467	ug/l	99
16) Acetone	4.16	43	422022	564.385	ug/l	99
17) Carbon Disulfide	4.41	76	1365041	121.686	ug/l	98
18) Methyl Acetate	4.72	43	203086	108.596	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1017913	123.395	ug/l	98
20) Methylene Chloride	4.97	84	467019	120.576	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	492079	124.481	ug/l	97
22) Diisopropyl ether	6.36	45	1445933	115.455	ug/l	95
23) Vinyl Acetate	6.31	43	4346969	576.660	ug/l	100
24) 1,1-Dichloroethane	6.27	63	840920	121.143	ug/l	100
25) 2-Butanone	7.21	43	610965	549.183	ug/l	96
26) 2,2-Dichloropropane	7.21	77	762346	121.344	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	547713	128.070	ug/l	99
28) Bromochloromethane	7.55	49	354476	122.340	ug/l	99
29) Tetrahydrofuran	7.56	42	391515	544.867	ug/l	99
30) Chloroform	7.71	83	861534	128.182	ug/l	100
31) Cyclohexane	7.98	56	778421	108.562	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	798329	127.628	ug/l	99
36) 1,1-Dichloropropene	8.11	75	676113	125.675	ug/l	99
37) Ethyl Acetate	7.29	43	288808	113.872	ug/l	99
38) Carbon Tetrachloride	8.10	117	731545	135.733	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	870616	129.087	ug/l	100
40) Benzene	8.36	78	1895319	128.829	ug/l	98
41) Methacrylonitrile	7.56	41	384457	259.442	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	537473	127.312	ug/l	100
43) Isopropyl Acetate	8.46	43	583274	114.942	ug/l	99
44) Trichloroethene	9.11	130	565405	137.690	ug/l	99
45) 1,2-Dichloropropane	9.39	63	480764	127.372	ug/l	99
46) Dibromomethane	9.48	93	255167	133.547	ug/l	100
47) Bromodichloromethane	9.67	83	678542	132.786	ug/l	96
48) Methyl methacrylate	9.46	41	287392	113.351	ug/l	99
49) 1,4-Dioxane	9.46	88	56678	2441.660	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1383629	565.538	ug/l	100
52) Toluene	10.41	92	1240577	132.605	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	666977	129.772	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	788360	129.505	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	348501	135.341	ug/l	98
56) Ethyl methacrylate	10.66	69	456762	124.228	ug/l	97
57) 1,3-Dichloropropane	10.95	76	600066	130.075	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1051097	617.751	ug/l	100
59) 2-Hexanone	10.99	43	955208	569.858	ug/l	98
60) Dibromochloromethane	11.14	129	477486	136.938	ug/l	99
61) 1,2-Dibromoethane	11.25	107	345405	133.291	ug/l	97
64) Tetrachloroethene	10.88	164	472065	134.669	ug/l	98
65) Chlorobenzene	11.67	112	1322712	133.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	503874	136.829	ug/l	100
67) Ethyl Benzene	11.75	91	2394778	130.614	ug/l	97
68) m/p-Xylenes	11.86	106	1809331	263.671	ug/l	100
69) o-Xylene	12.18	106	849090	132.553	ug/l	95
70) Styrene	12.20	104	1460508	132.912	ug/l	99
71) Bromoform	12.37	173	287025	138.339	ug/l #	100
73) Isopropylbenzene	12.48	105	2298892	126.888	ug/l	100
74) N-amyl acetate	12.29	43	546445	108.611	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	360998	119.788	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	485966	239.667	ug/l #	100
77) Bromobenzene	12.77	156	559528	133.616	ug/l	99
78) n-propylbenzene	12.83	91	2686095	126.276	ug/l	100
79) 2-Chlorotoluene	12.91	91	1493098	124.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1915213	129.053	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	130080	115.518	ug/l	99
82) 4-Chlorotoluene	13.01	91	1559827	124.015	ug/l	100
83) tert-Butylbenzene	13.23	119	1669347	131.207	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1885869	127.378	ug/l	99
85) sec-Butylbenzene	13.41	105	2274661	128.393	ug/l	100
86) p-Isopropyltoluene	13.52	119	2122322	131.011	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1030465	131.220	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1038984	133.841	ug/l	99
89) n-Butylbenzene	13.85	91	1968700	126.166	ug/l	100
90) Hexachloroethane	14.12	117	420168	130.644	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	919407	135.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60042	119.690	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed May 13 13:42:35 2020
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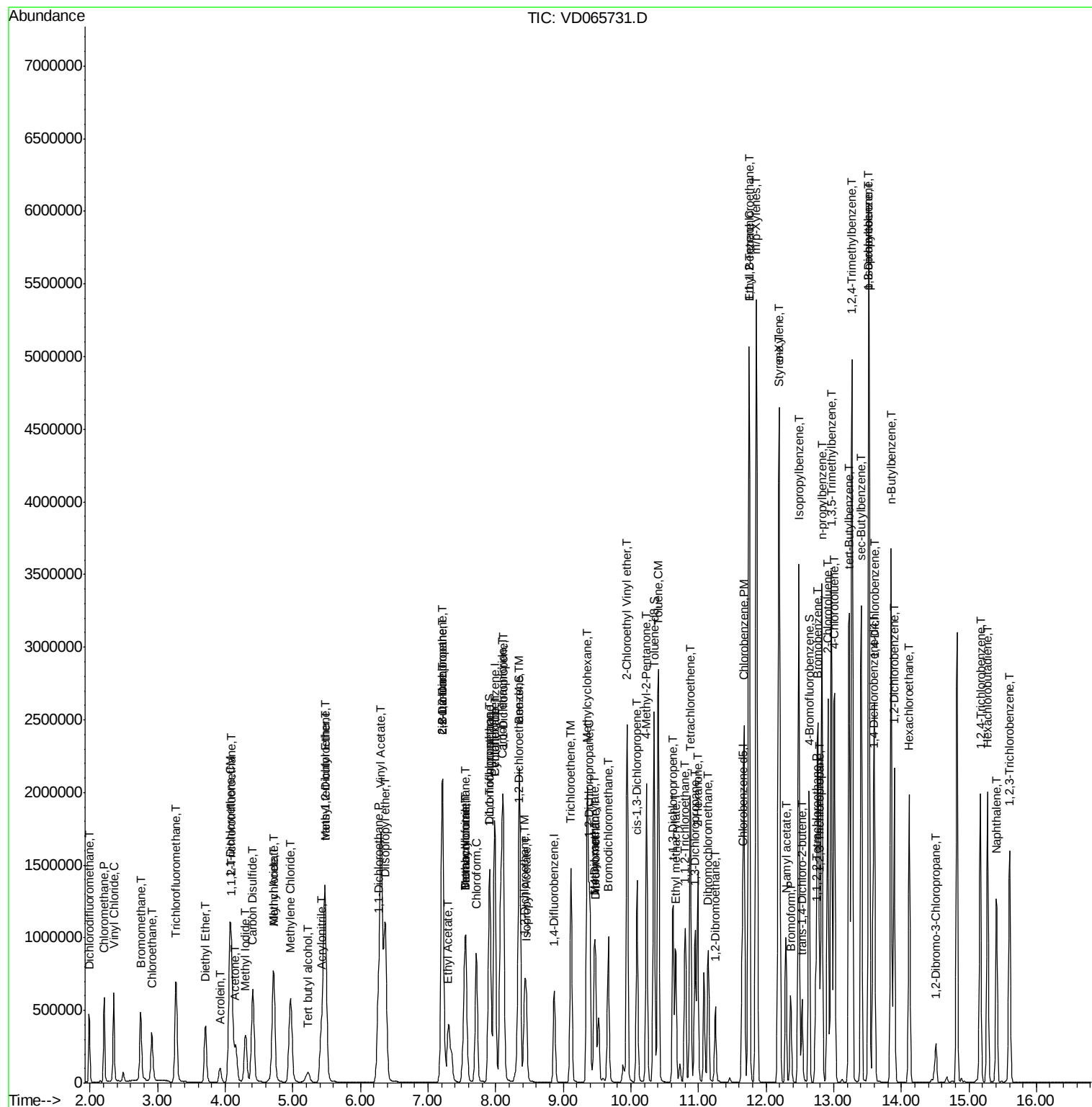
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	694824	136.743	ug/l	99
94) Hexachlorobutadiene	15.28	225	409325	138.531	ug/l	100
95) Naphthalene	15.41	128	1162118	131.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	598049	138.387	ug/l	99

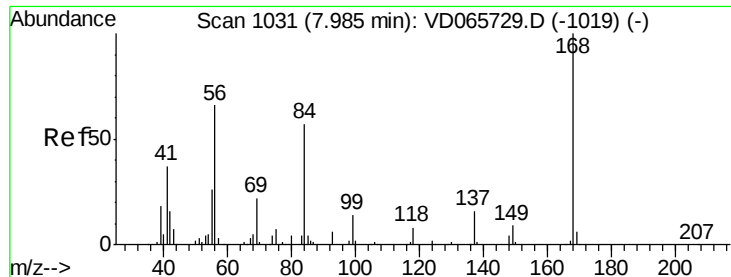
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

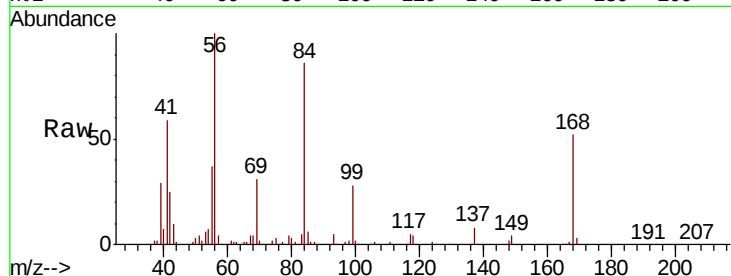
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 369907

Ion Ratio Lower Upper

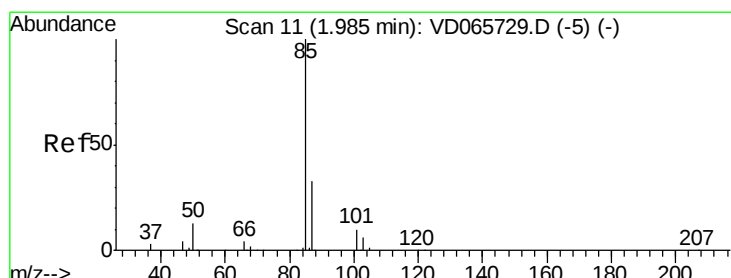
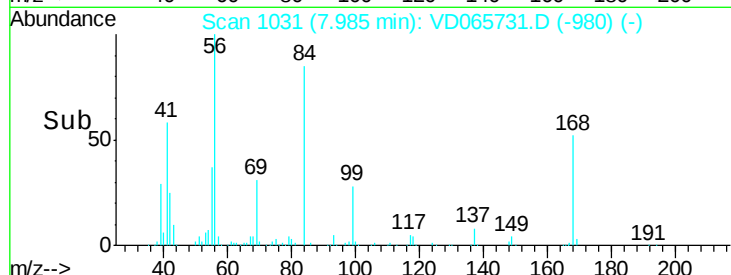
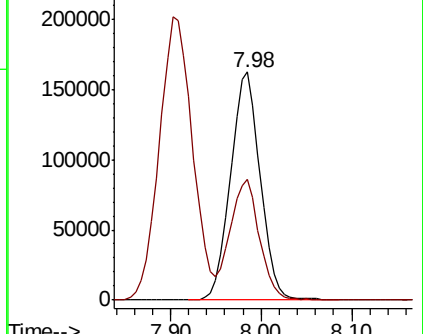
168 100

99 52.5 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: 125.719 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065731.D

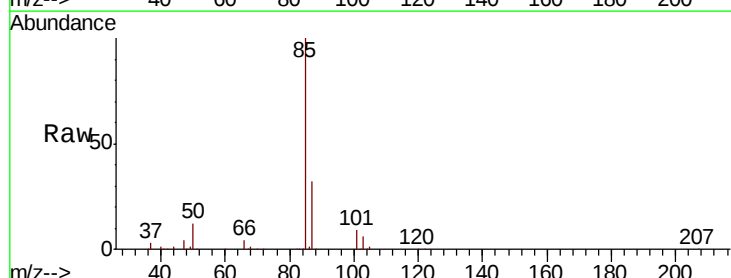
Acq: 13 May 2020 14:15

Tgt Ion: 85 Resp: 355244

Ion Ratio Lower Upper

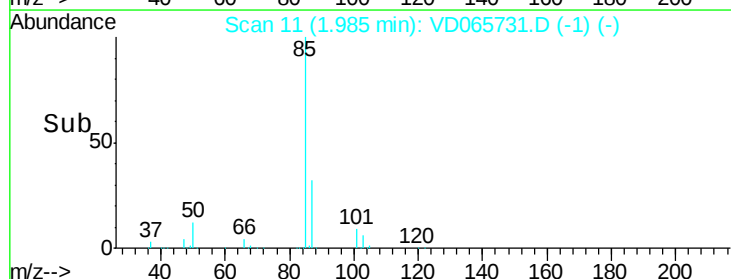
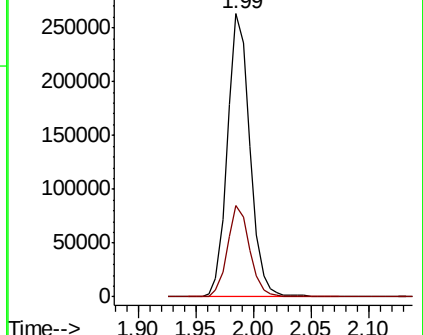
85 100

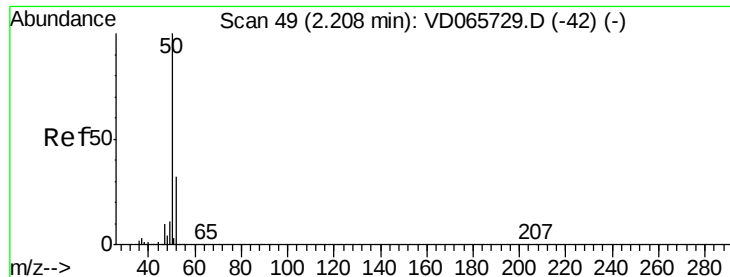
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 132.050 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

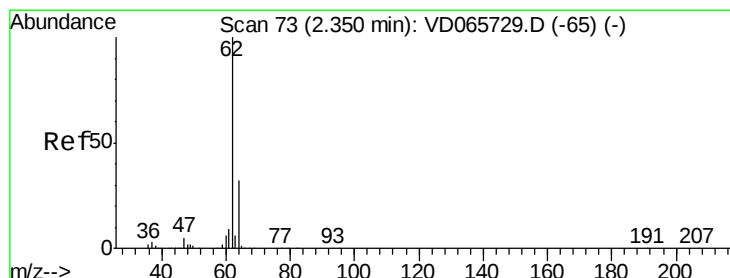
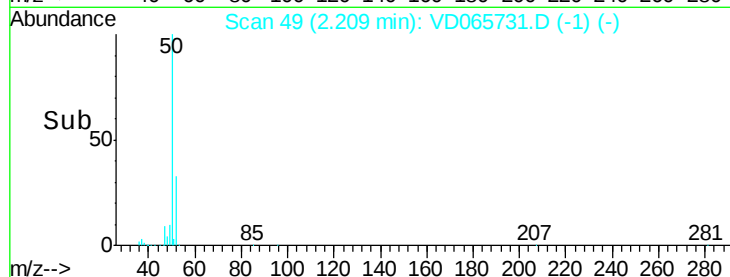
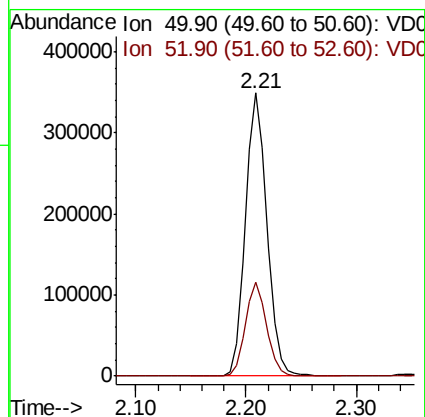
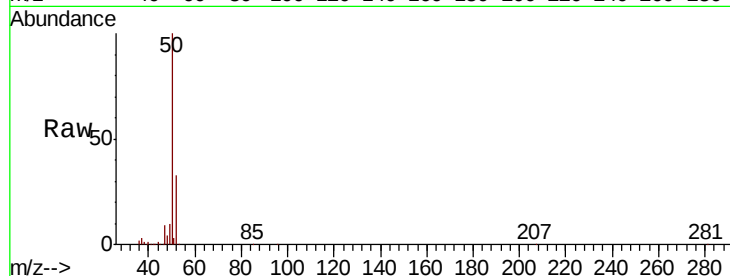
ClientSampleId :

Tot Ion: 50 Resp: 478454

Ion Ratio Lower Upper

50 100

52 33.0 25.5 38.3



#4

Vinyl Chloride

Concen: 145.926 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065731.D

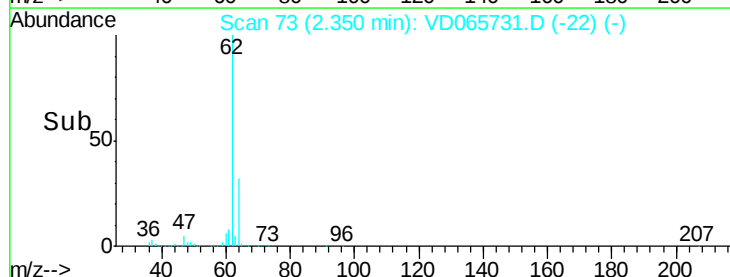
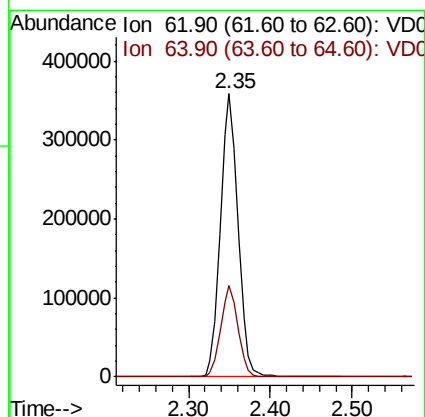
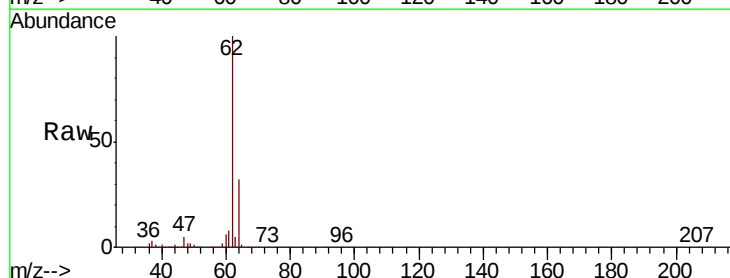
Acq: 13 May 2020 14:15

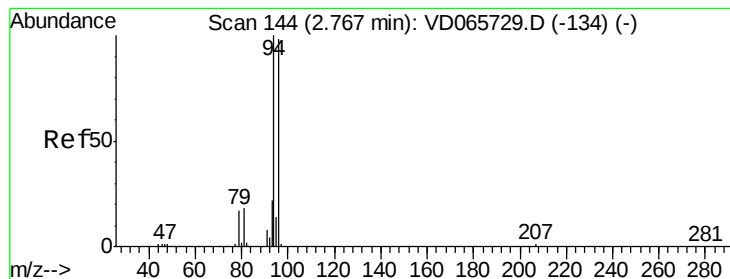
Tgt Ion: 62 Resp: 539567

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.6





#5

Bromomethane

Concen: 152.632 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

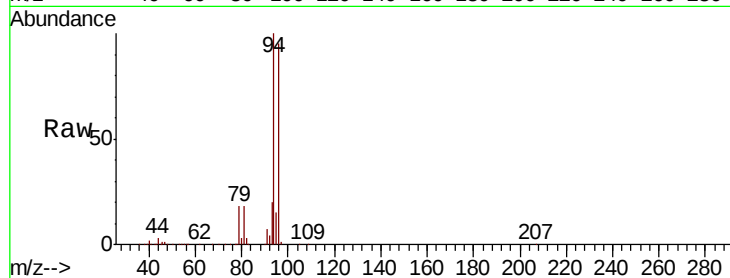
ClientSampleId :

Tot Ion: 94 Resp: 359202

Ion Ratio Lower Upper

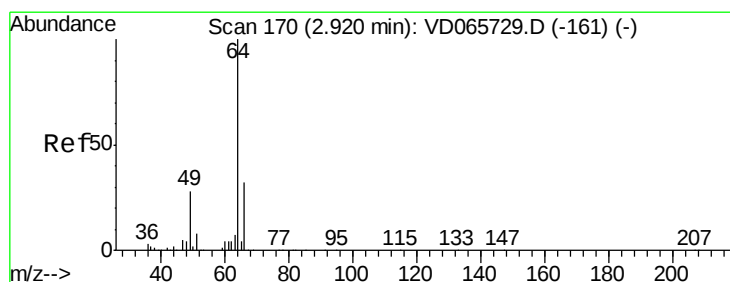
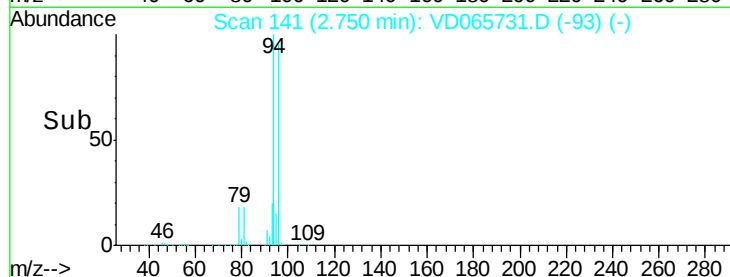
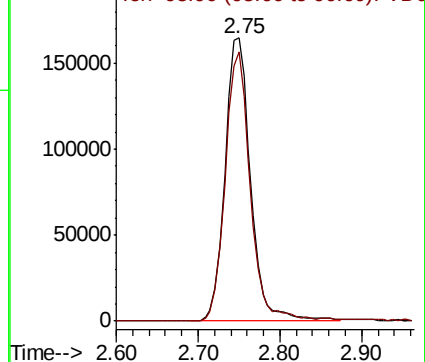
94 100

96 94.9 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 146.185 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065731.D

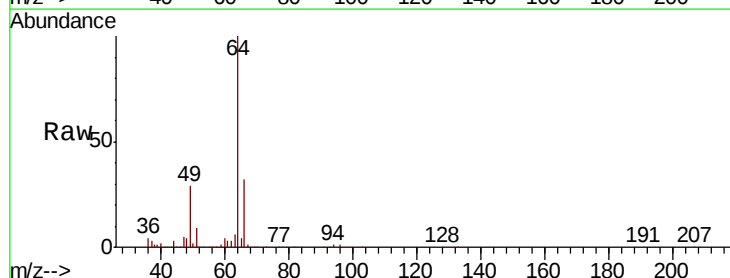
Acq: 13 May 2020 14:15

Tgt Ion: 64 Resp: 349873

Ion Ratio Lower Upper

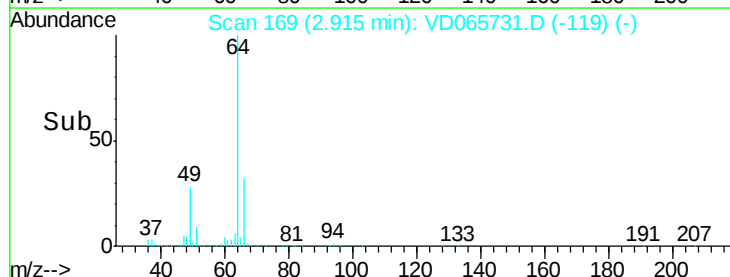
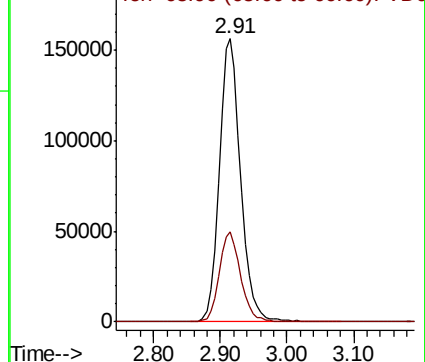
64 100

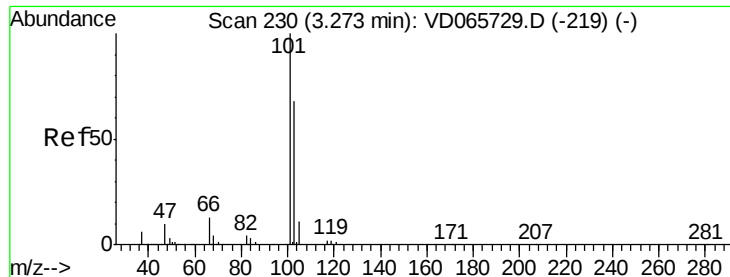
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



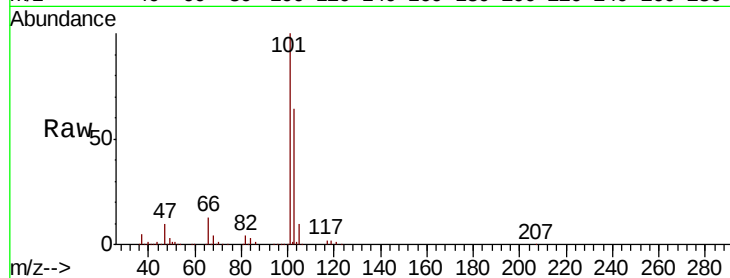


#7

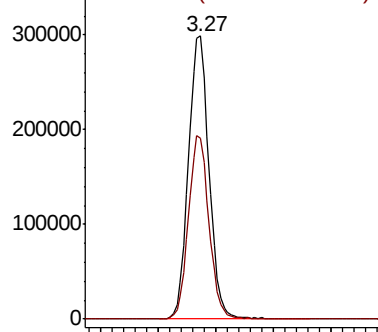
Trichlorofluoromethane
Concen: 127.942 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Instrument :
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ClientSampleId :

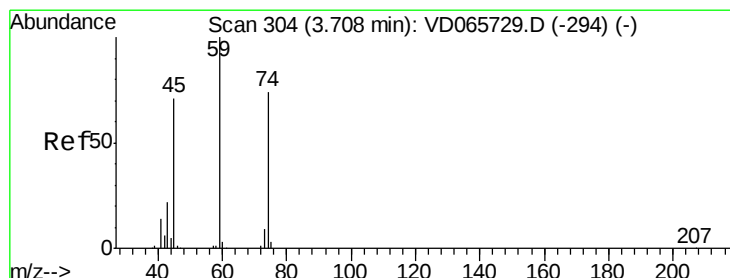
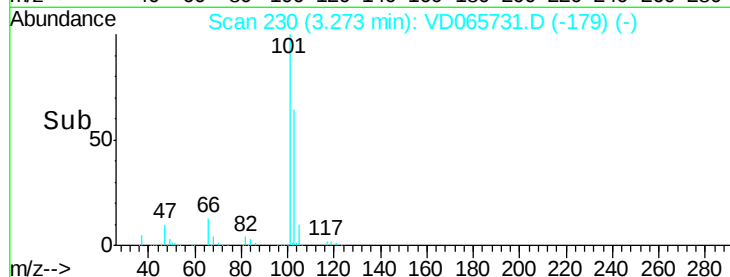
Tot Ion:101 Resp: 741050
Ion Ratio Lower Upper
101 100
103 63.9 54.1 81.1



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



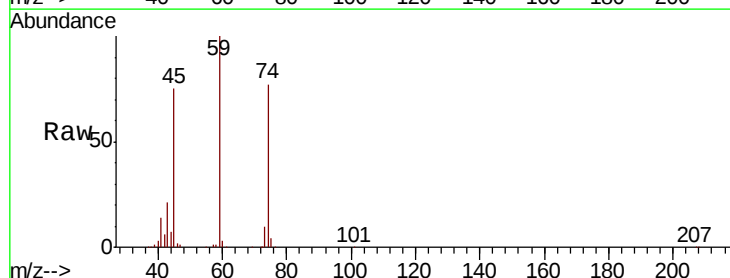
Time--> 3.10 3.20 3.30 3.40 3.50



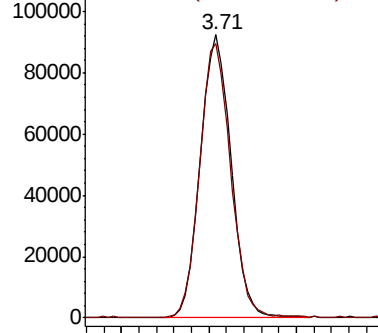
#8

Diethyl Ether
Concen: 122.758 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

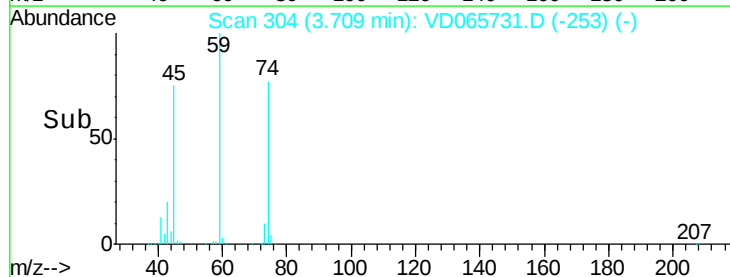
Tgt Ion: 74 Resp: 220729
Ion Ratio Lower Upper
74 100
45 97.9 48.1 144.3

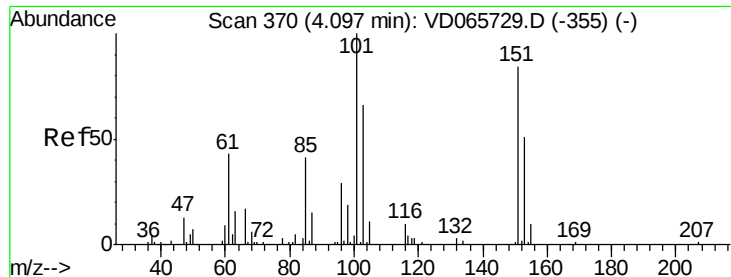


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC



Time--> 3.60 3.70 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 128.930 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

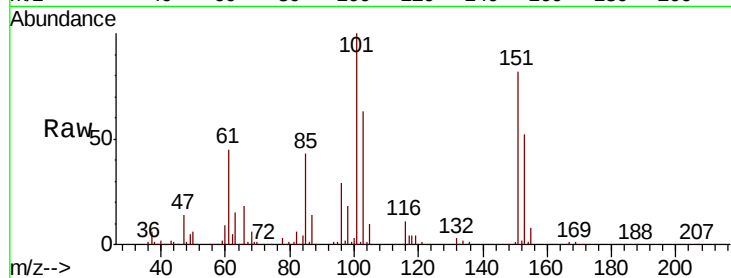
Tot Ion:101 Resp: 453134

Ion Ratio Lower Upper

101 100

85 44.1 34.1 51.1

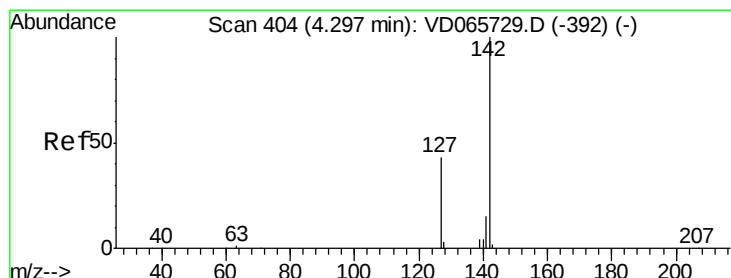
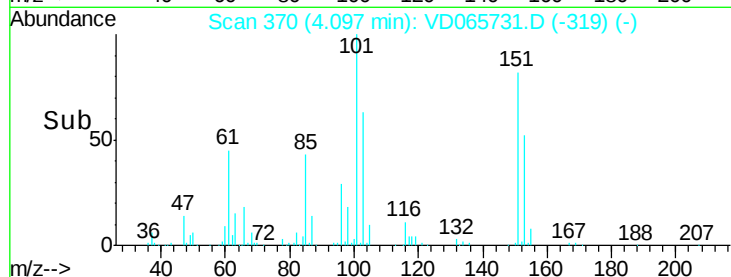
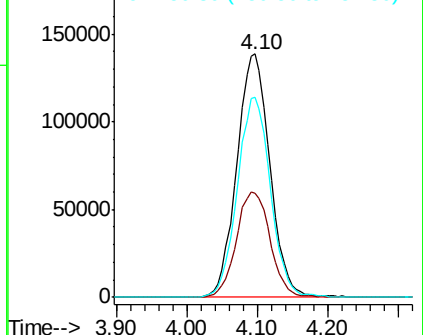
151 82.5 65.1 97.7



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: 164.450 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

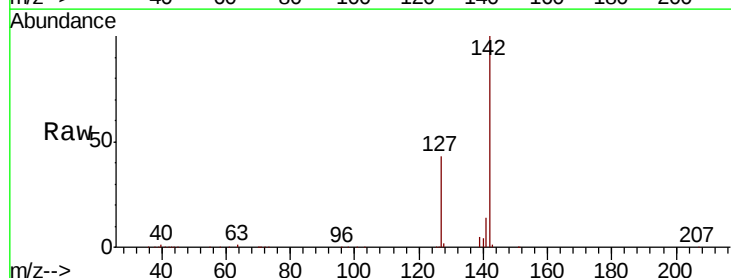
Tgt Ion:142 Resp: 571143

Ion Ratio Lower Upper

142 100

127 42.4 34.2 51.4

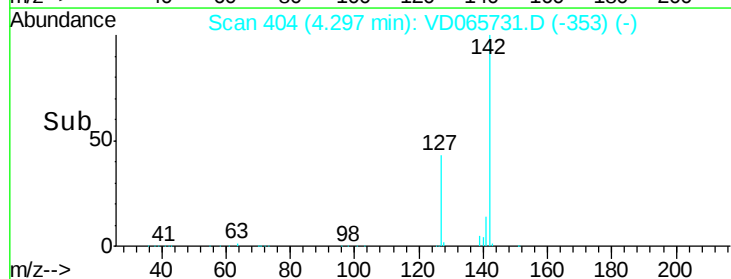
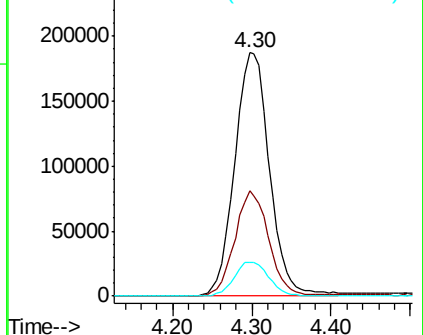
141 14.0 11.7 17.5

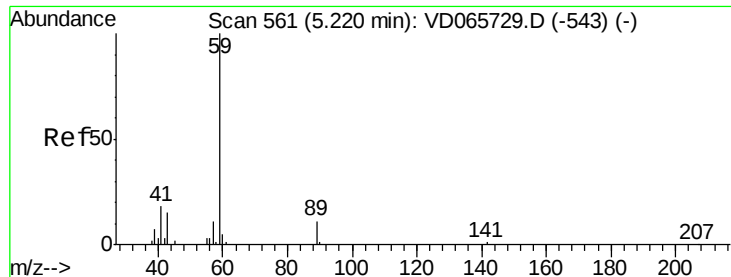


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

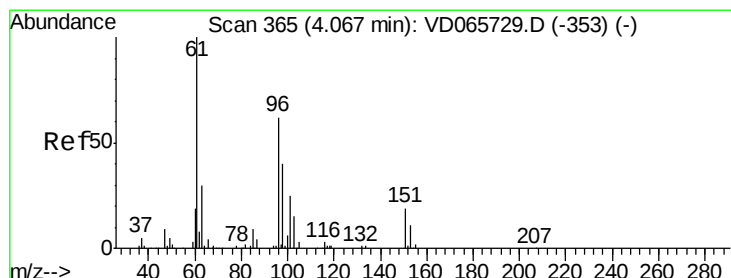
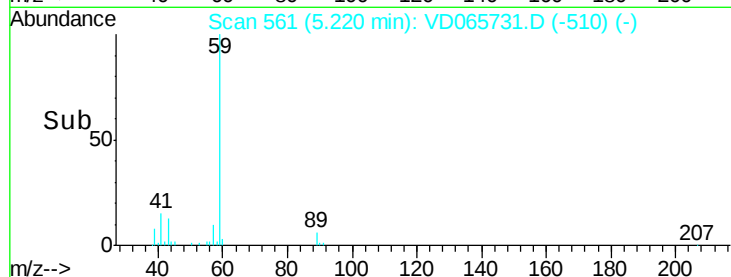
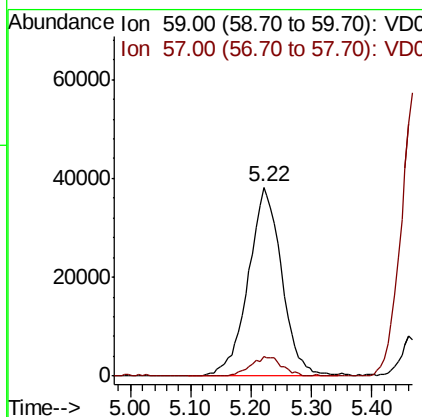
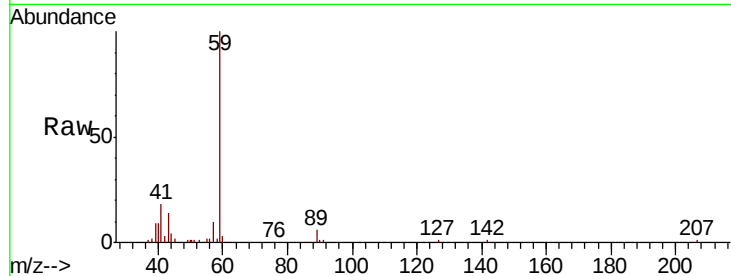




#11
Tert butyl alcohol
Concen: 460.174 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

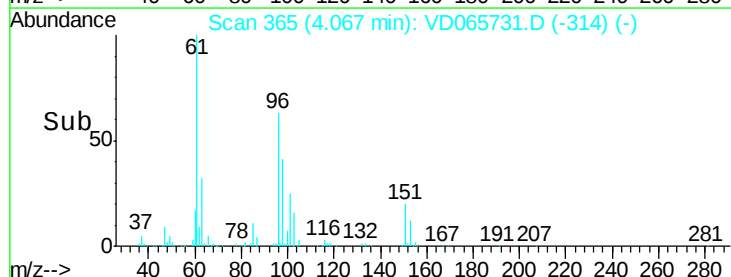
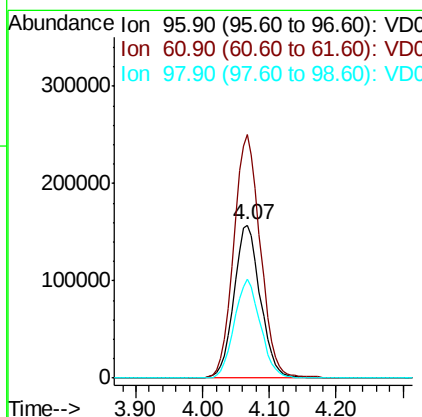
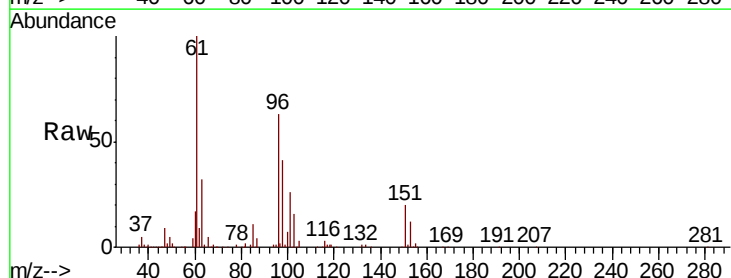
Instrument :
MSVOA_D
ClientSampled :

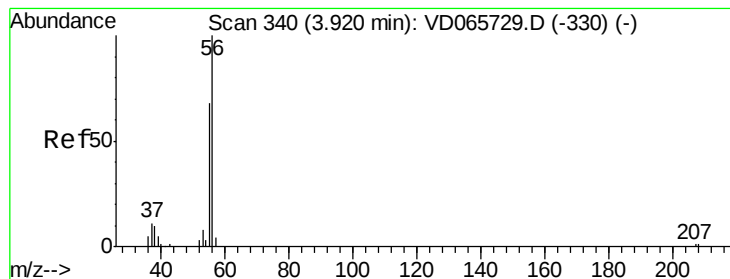
Tot Ion: 59 Resp: 147622
Ion Ratio Lower Upper
59 100
57 9.7 7.4 11.0



#12
1,1-Dichloroethene
Concen: 125.753 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion: 96 Resp: 433517
Ion Ratio Lower Upper
96 100
61 159.0 130.0 195.0
98 64.8 52.3 78.5





#13

Acrolein

Concen: 414.264 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

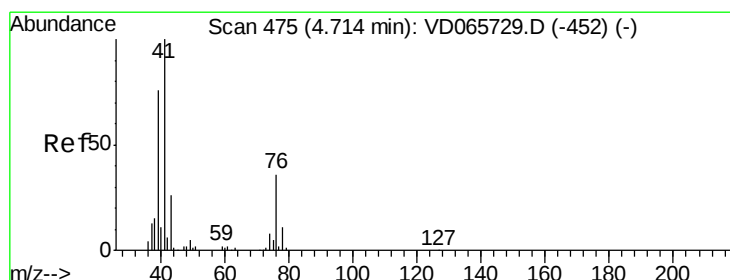
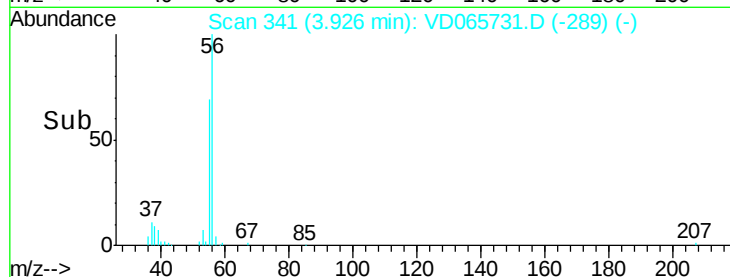
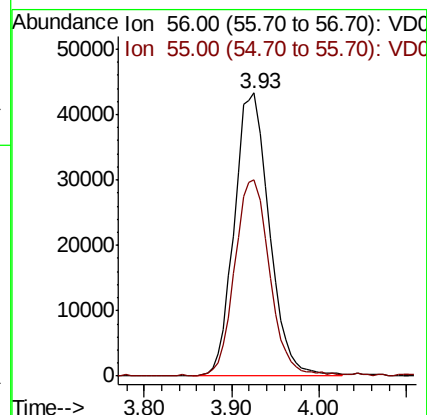
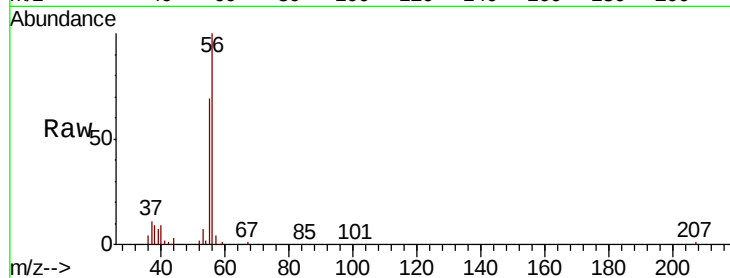
ClientSampleId :

Tot Ion: 56 Resp: 117775

Ion Ratio Lower Upper

56 100

55 68.7 57.8 86.8



#14

Allyl chloride

Concen: 110.490 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

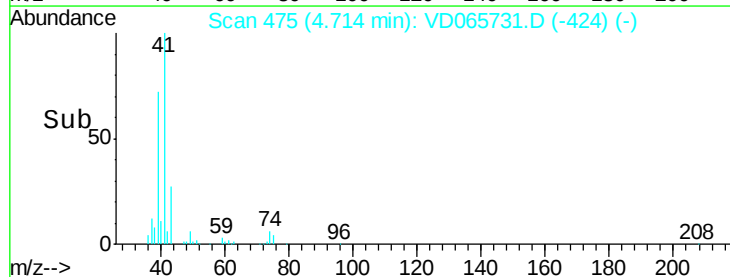
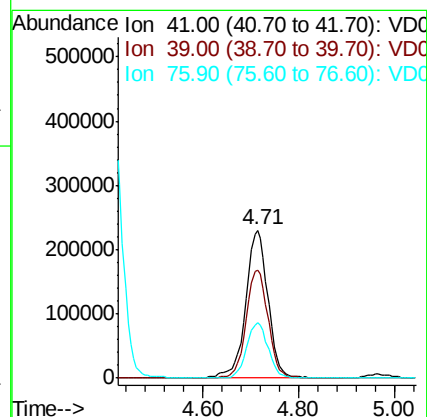
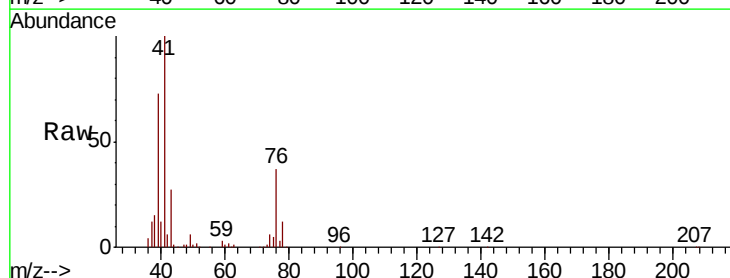
Tgt Ion: 41 Resp: 745353

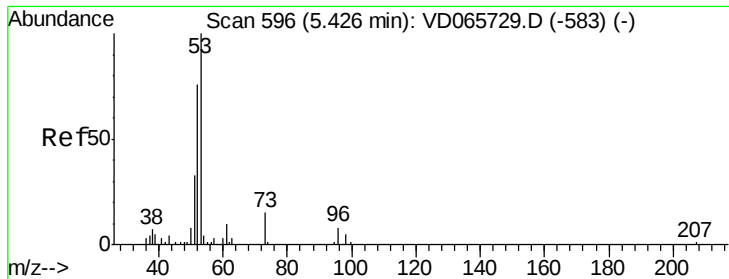
Ion Ratio Lower Upper

41 100

39 72.0 57.4 86.2

76 35.8 28.4 42.6





#15

Acrylonitrile

Concen: 567.467 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

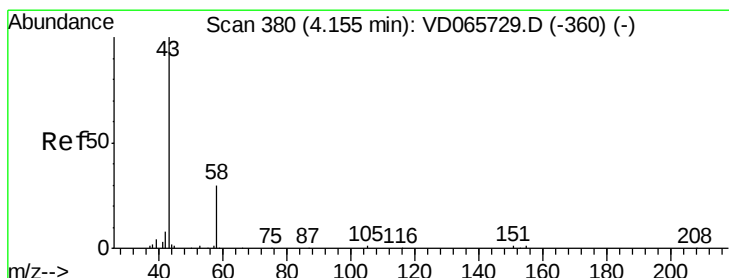
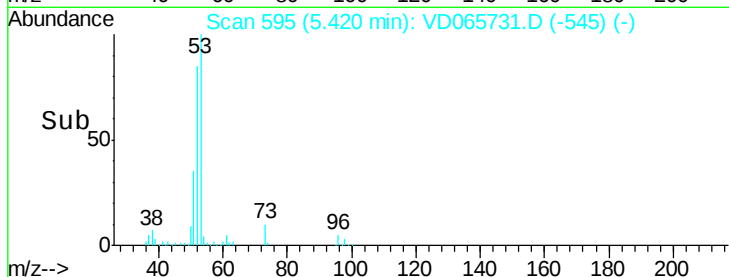
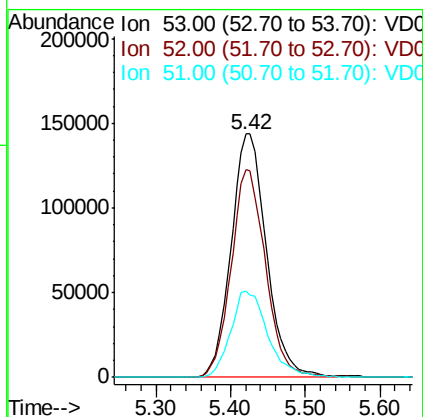
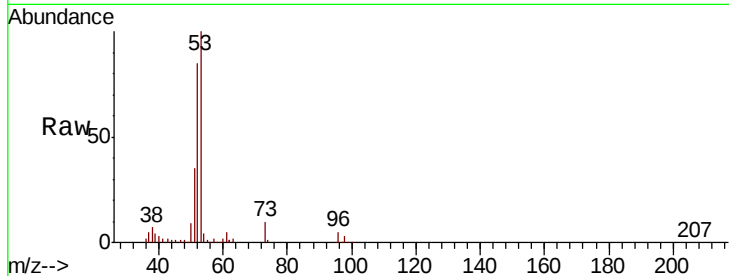
Tot Ion: 53 Resp: 473806

Ion Ratio Lower Upper

53 100

52 83.1 66.3 99.5

51 37.3 29.2 43.8



#16

Acetone

Concen: 564.385 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065731.D

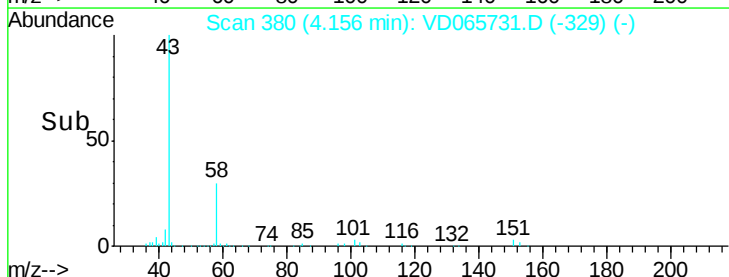
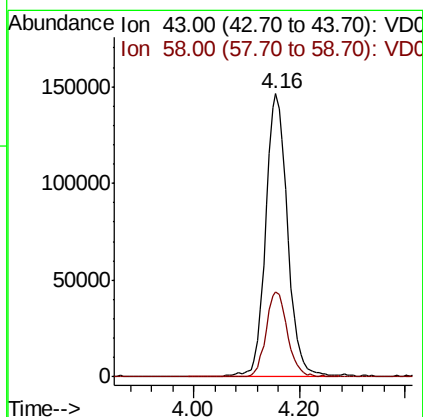
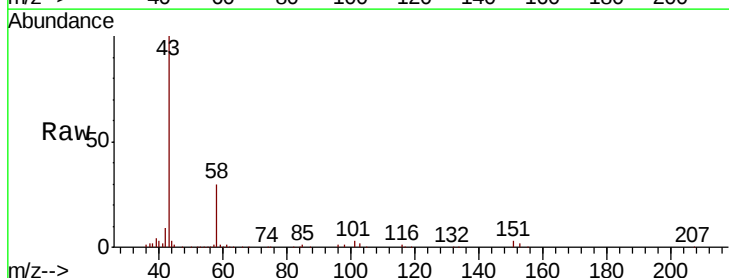
Acq: 13 May 2020 14:15

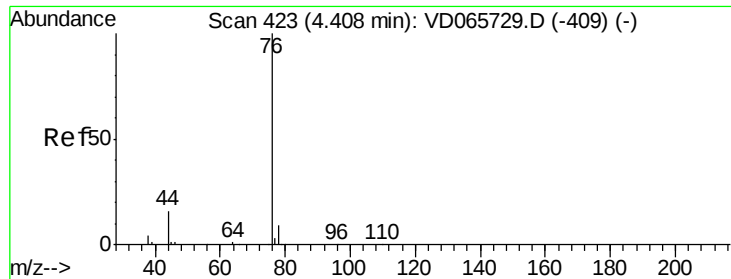
Tgt Ion: 43 Resp: 422022

Ion Ratio Lower Upper

43 100

58 30.0 23.7 35.5





#17

Carbon Disulfide

Concen: 121.686 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

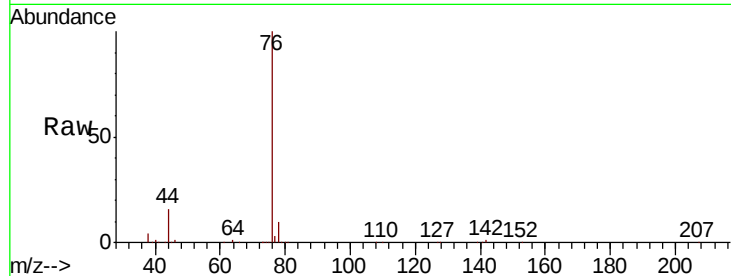
ClientSampled :

Tot Ion: 76 Resp: 1365041

Ion Ratio Lower Upper

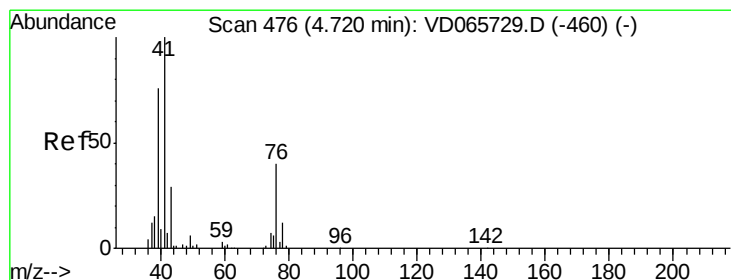
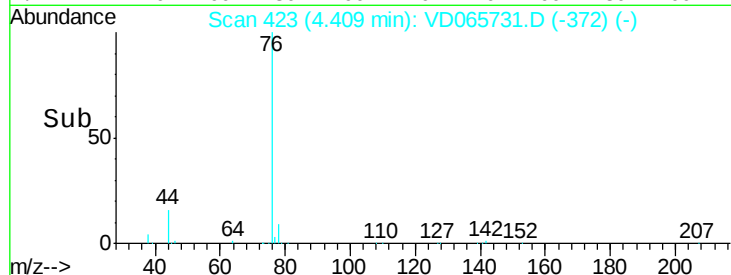
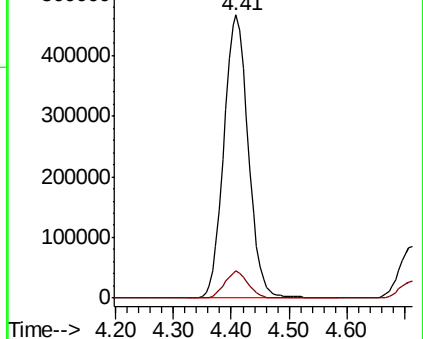
76 100

78 9.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 108.596 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065731.D

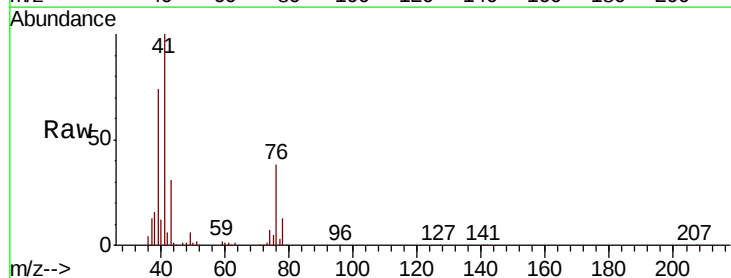
Acq: 13 May 2020 14:15

Tgt Ion: 43 Resp: 203086

Ion Ratio Lower Upper

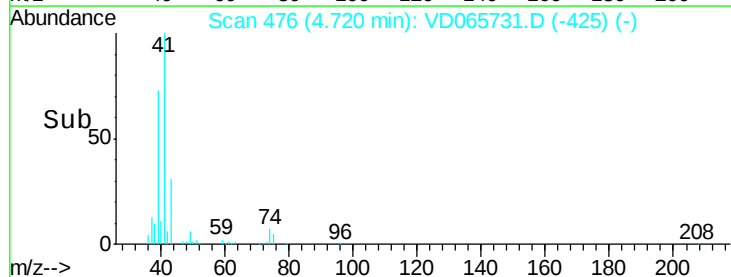
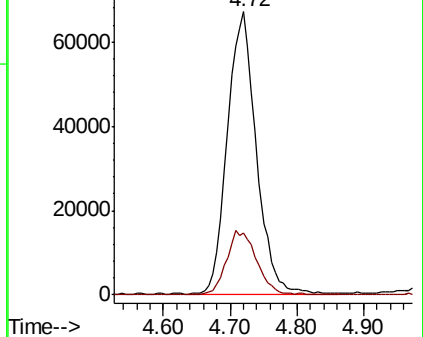
43 100

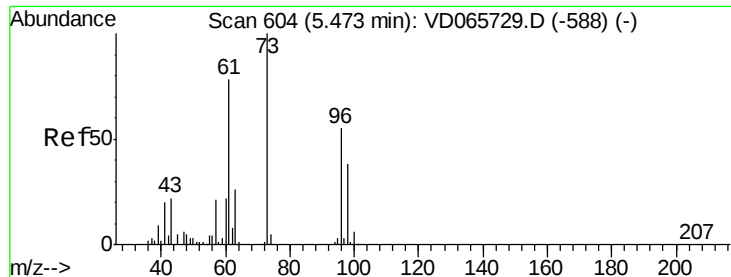
74 23.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 123.395 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

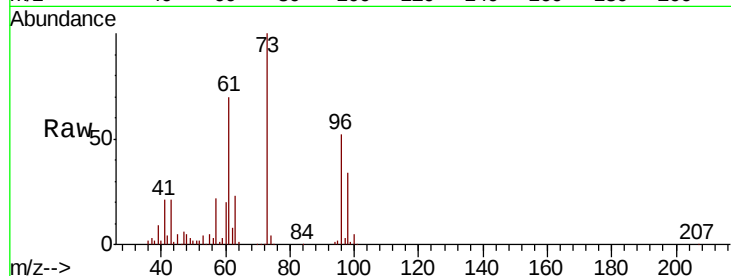
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 73 Resp: 1017913

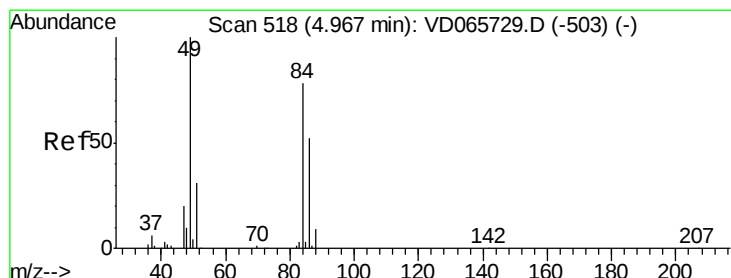
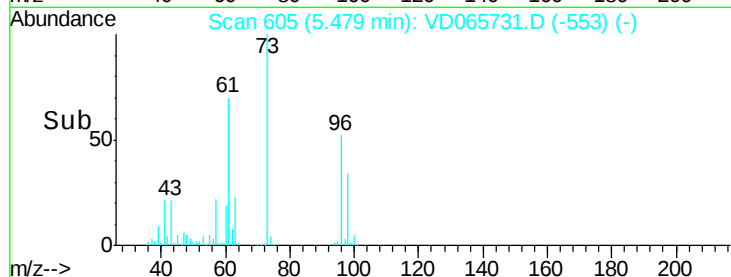
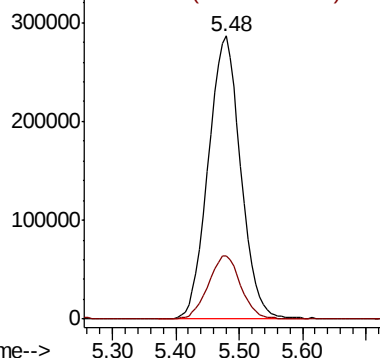
Ion Ratio Lower Upper

73 100

57 22.3 17.0 25.4



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride
 Concen: 120.576 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion: 84 Resp: 467019

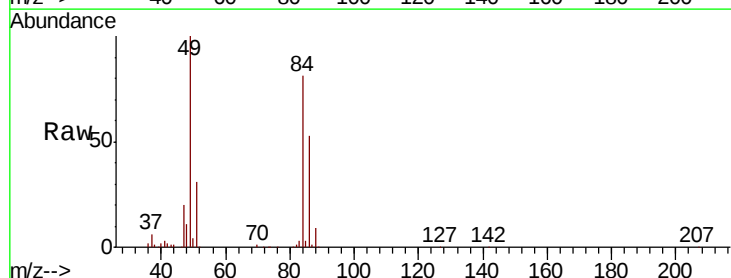
Ion Ratio Lower Upper

84 100

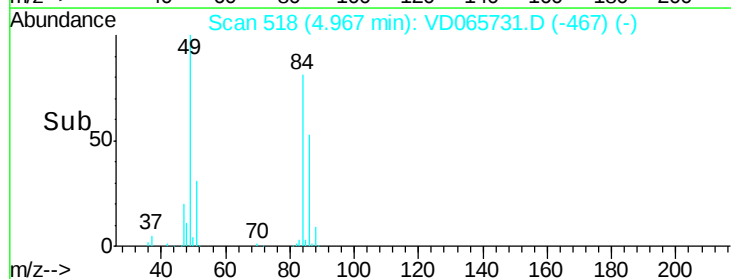
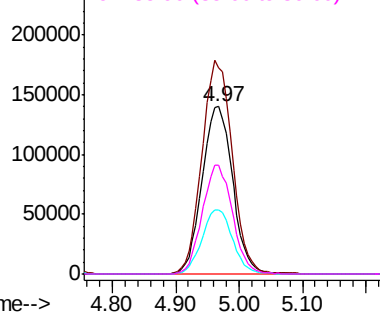
49 123.4 102.9 154.3

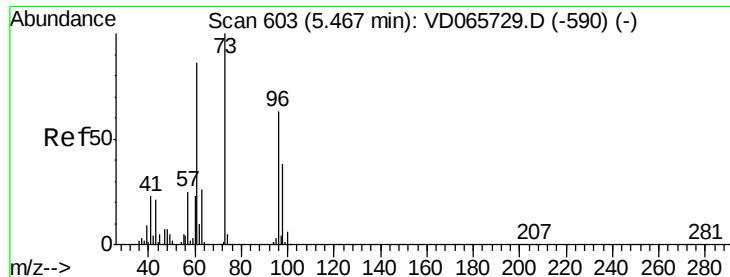
51 38.4 31.5 47.3

86 65.2 53.6 80.4



Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 124.481 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :
MSVOA_D
ClientSampled :

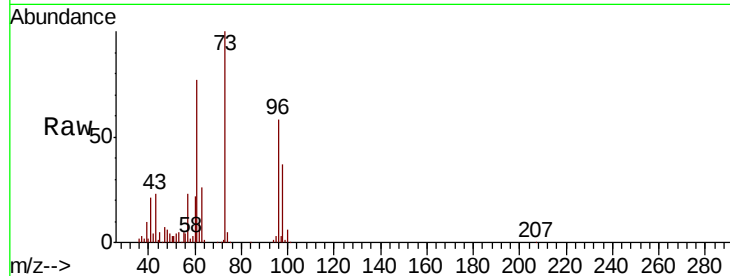
Tot Ion: 96 Resp: 492079

Ion Ratio Lower Upper

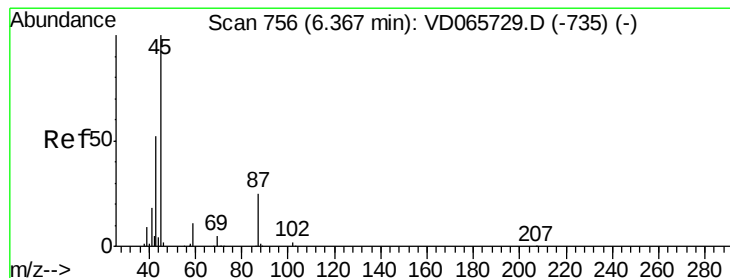
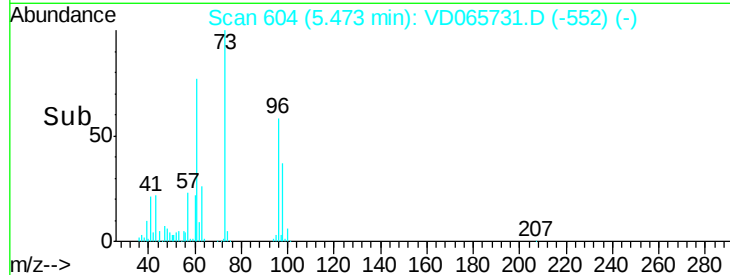
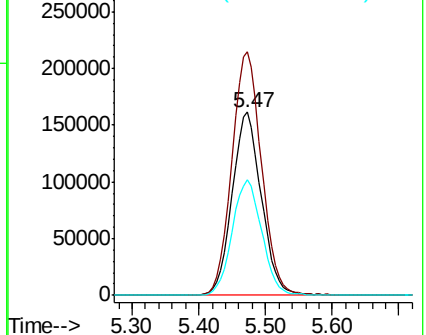
96 100

61 133.0 108.6 163.0

98 63.4 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: 115.455 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Tgt Ion: 45 Resp: 1445933

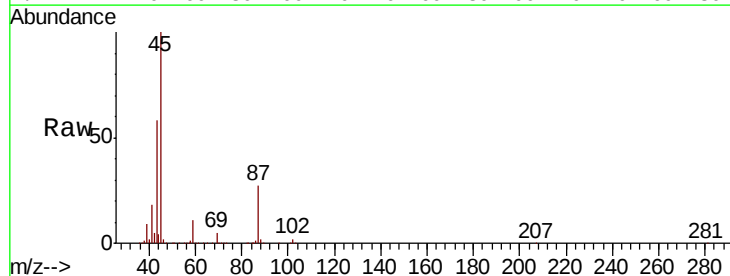
Ion Ratio Lower Upper

45 100

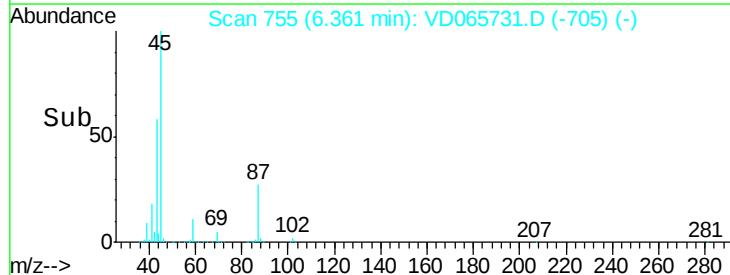
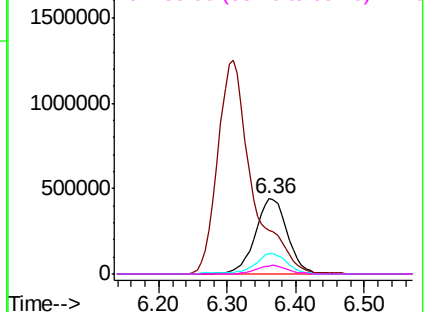
43 57.2 41.8 62.6

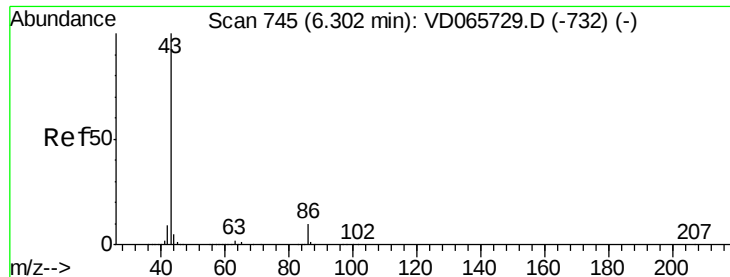
87 26.8 20.1 30.1

59 10.9 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: 576.660 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

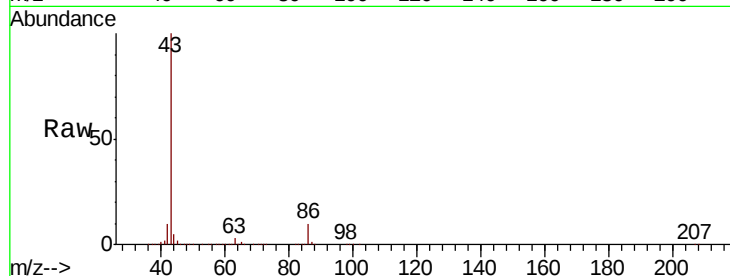
ClientSampleId :

Tot Ion: 43 Resp: 4346969

Ion Ratio Lower Upper

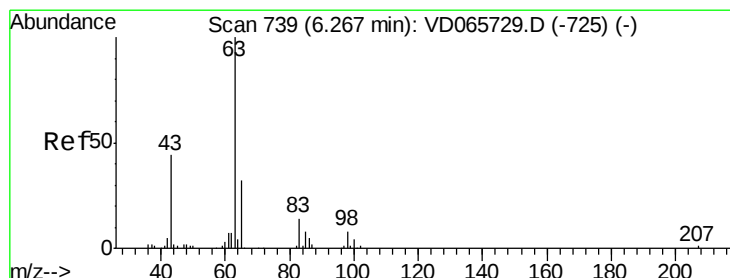
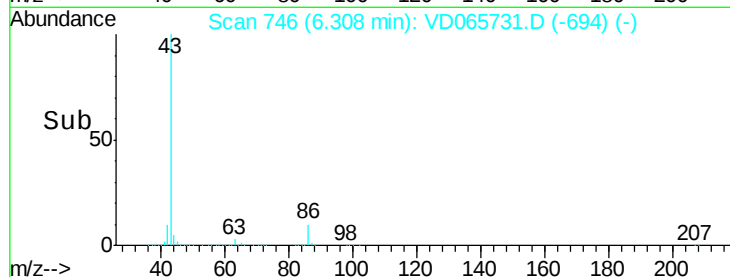
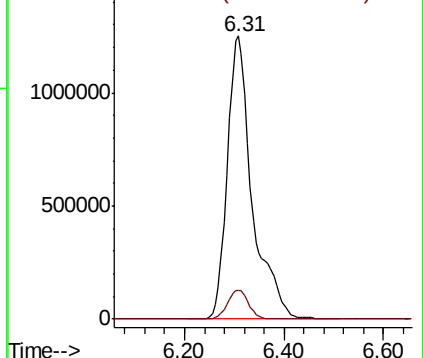
43 100

86 10.3 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: 121.143 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

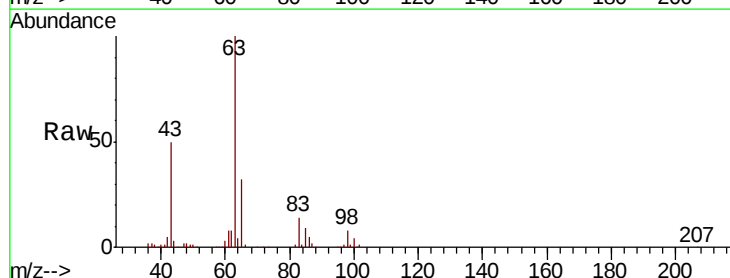
Tgt Ion: 63 Resp: 840920

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

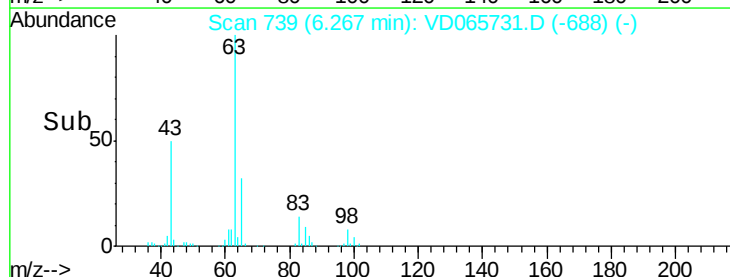
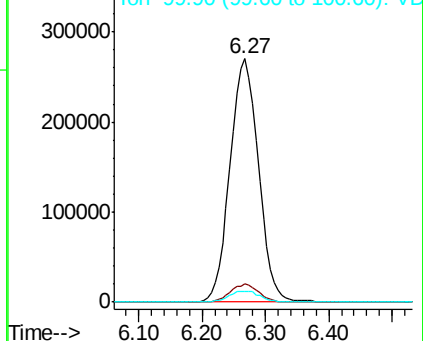
100 4.4 2.2 6.6

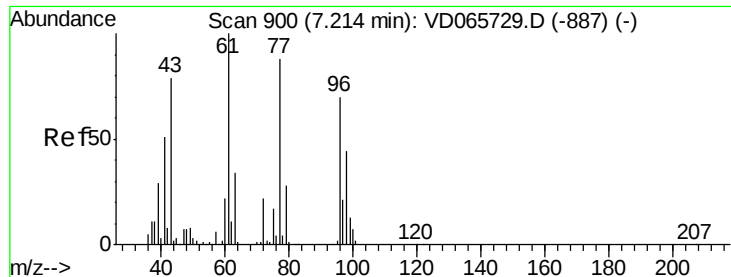


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 549.183 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

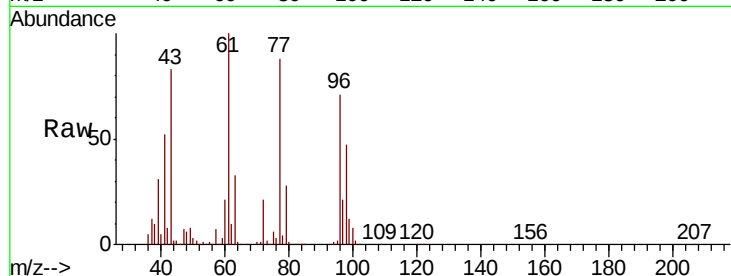
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 610965

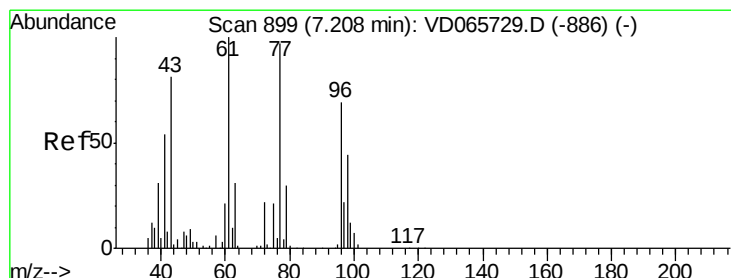
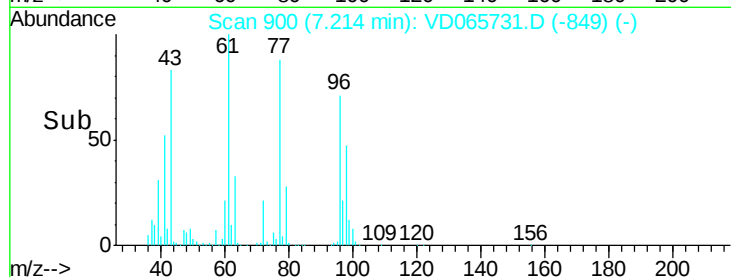
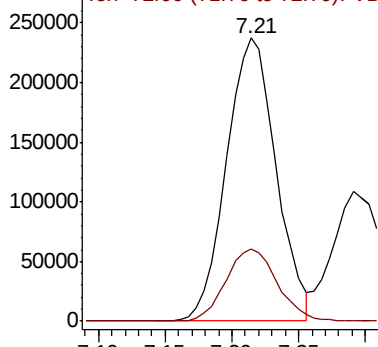
Ion Ratio Lower Upper

43 100

72 25.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 121.344 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065731.D

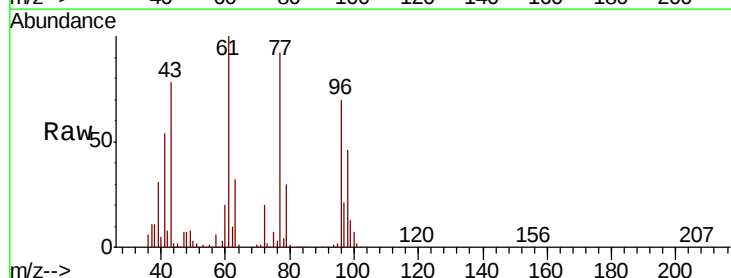
Acq: 13 May 2020 14:15

Tgt Ion: 77 Resp: 762346

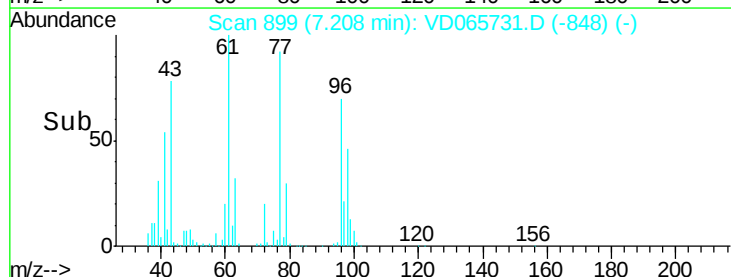
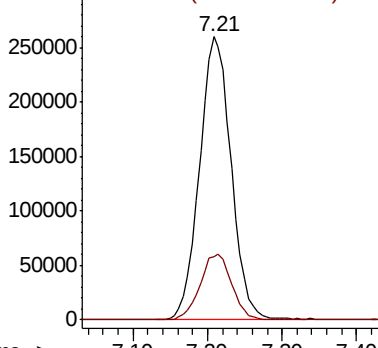
Ion Ratio Lower Upper

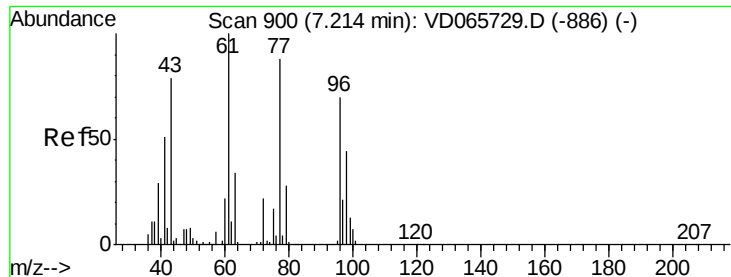
77 100

97 23.2 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



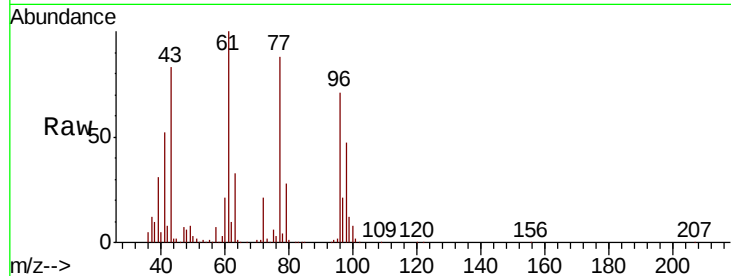


#27

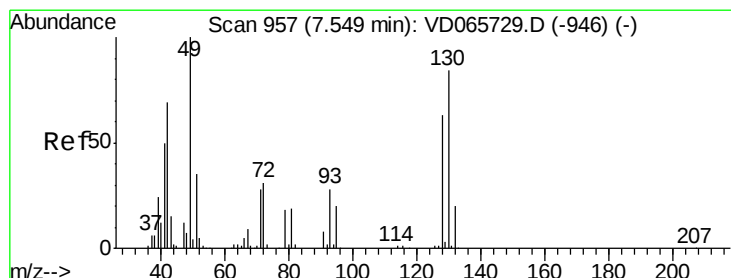
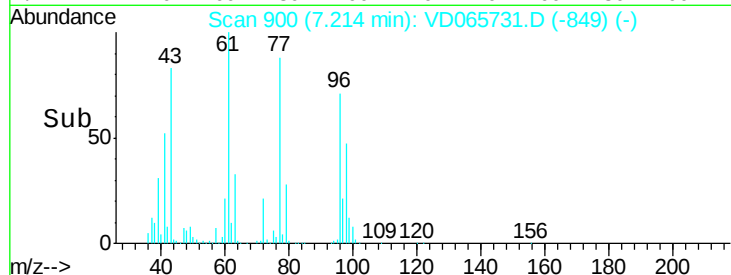
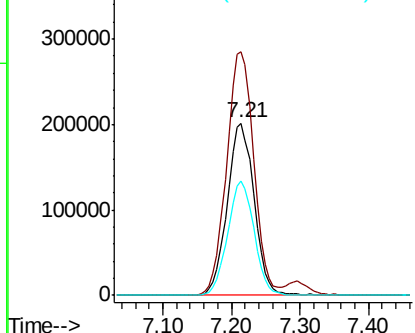
cis-1,2-Dichloroethene
 Concen: 128.070 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 547713
 Ion Ratio Lower Upper
 96 100
 61 143.5 0.0 288.0
 98 65.3 0.0 127.8



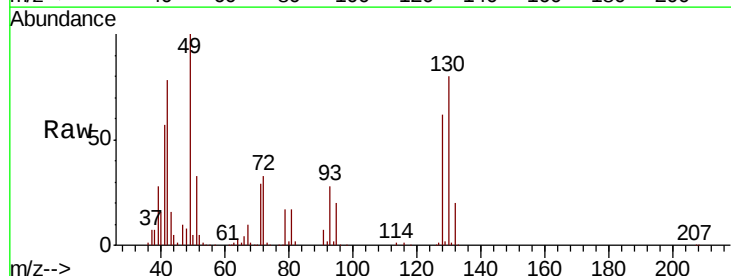
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



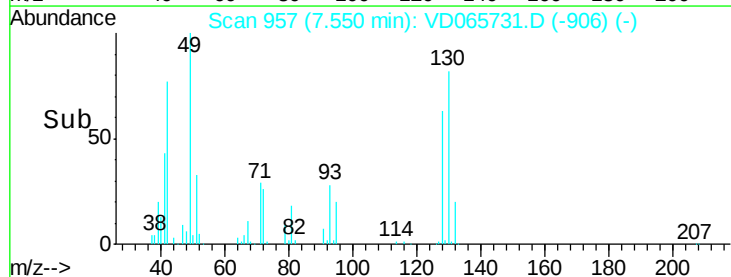
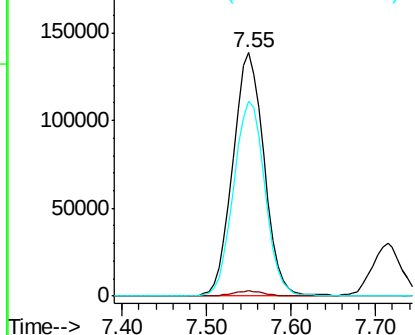
#28

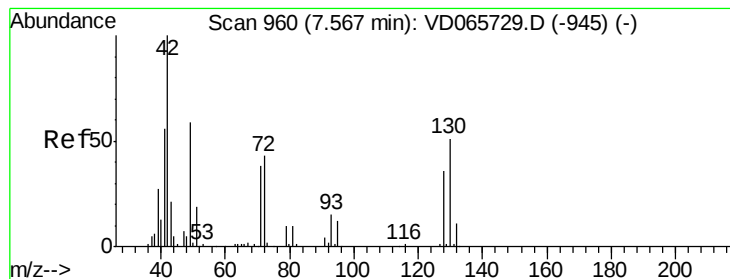
Bromochloromethane
 Concen: 122.340 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion: 49 Resp: 354476
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.6
 130 80.5 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: 544.867 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :
MSVOA_D
ClientSampled :

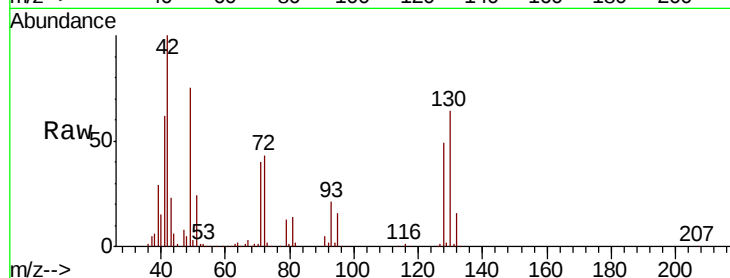
Tot Ion: 42 Resp: 391515

Ion Ratio Lower Upper

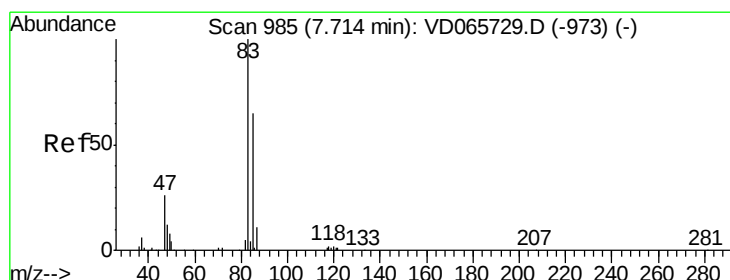
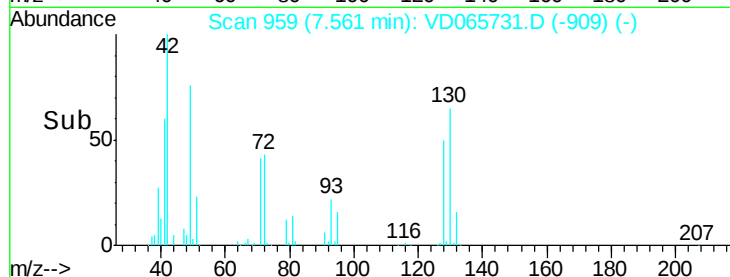
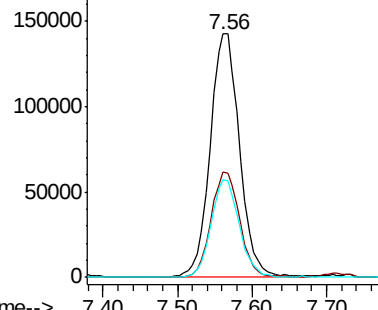
42 100

72 41.9 33.5 50.3

71 38.3 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: 128.182 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065731.D

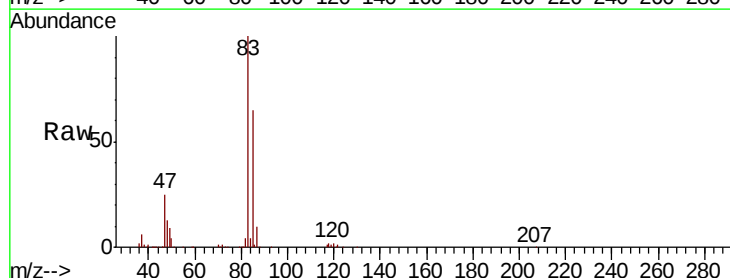
Acq: 13 May 2020 14:15

Tgt Ion: 83 Resp: 861534

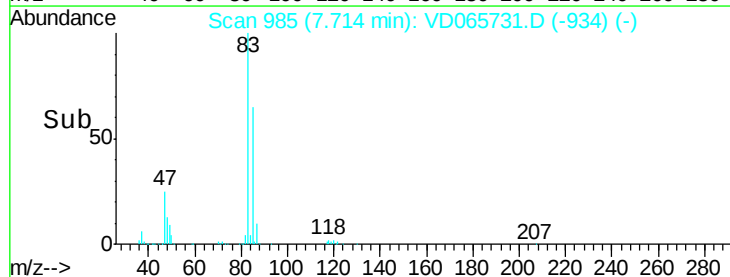
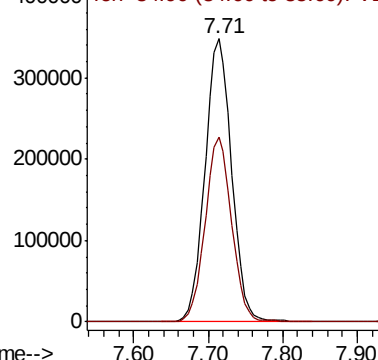
Ion Ratio Lower Upper

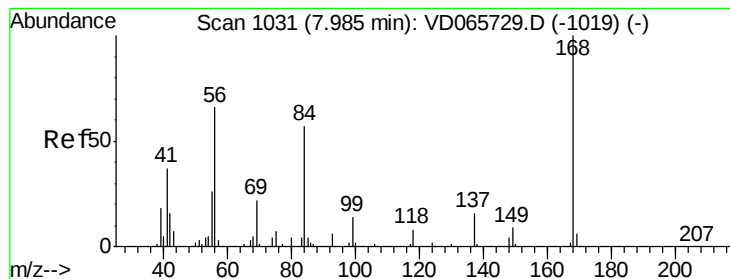
83 100

85 65.3 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: 108.562 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :

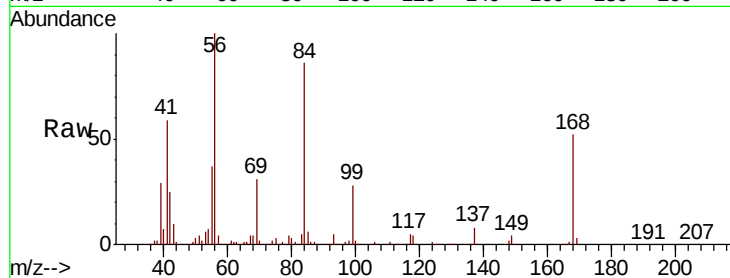
Tot Ion: 56 Resp: 778421

Ion Ratio Lower Upper

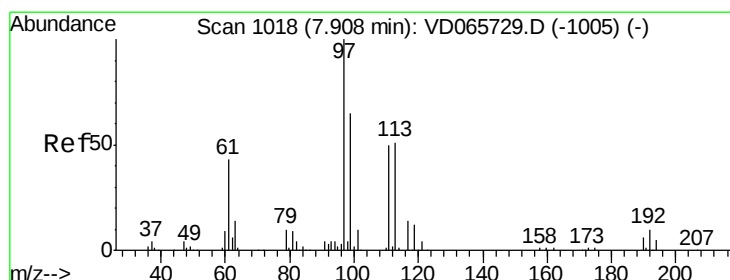
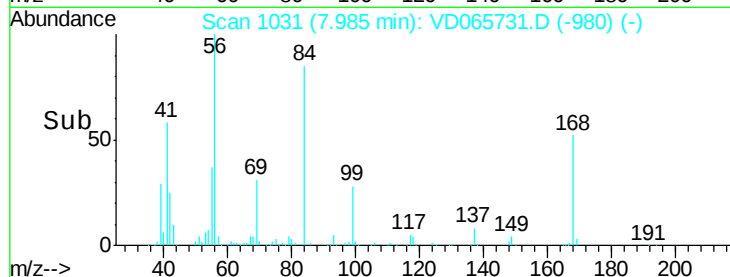
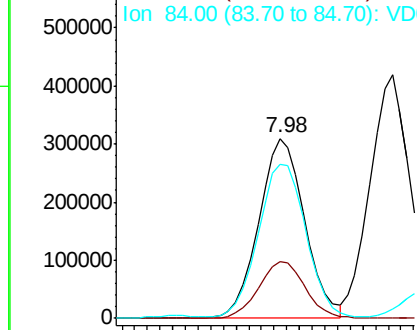
56 100

69 31.5 25.9 38.9

84 84.6 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: 127.628 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

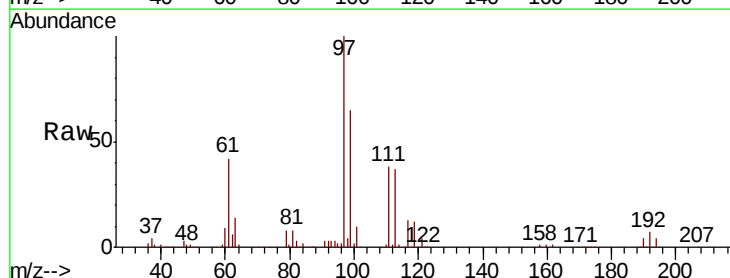
Tgt Ion: 97 Resp: 798329

Ion Ratio Lower Upper

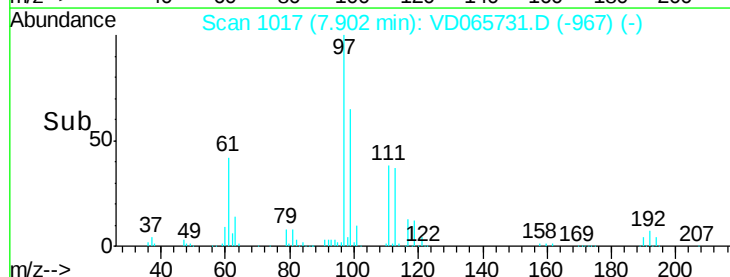
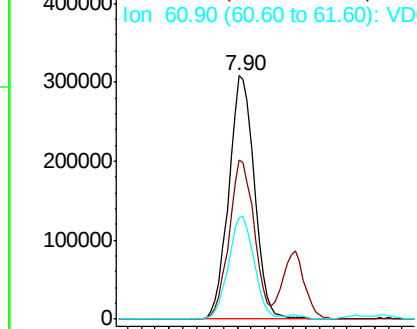
97 100

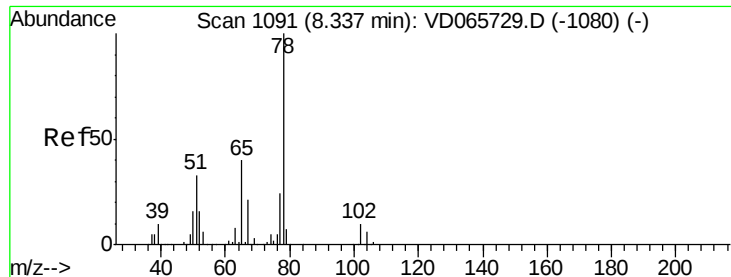
99 64.4 50.5 75.7

61 42.2 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: 124.200 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

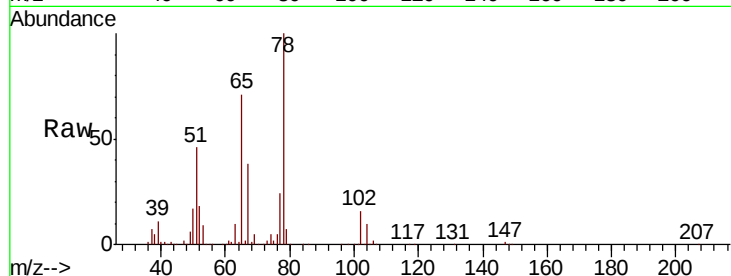
ClientSampleId :

Tot Ion: 65 Resp: 440395

Ion Ratio Lower Upper

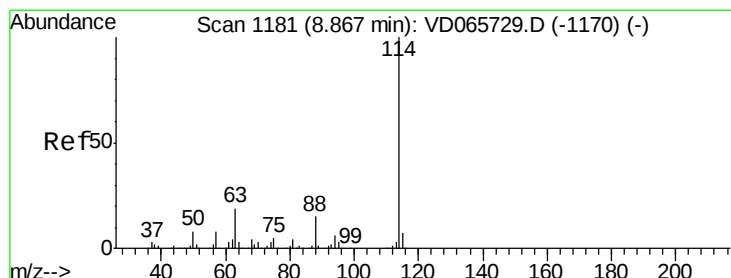
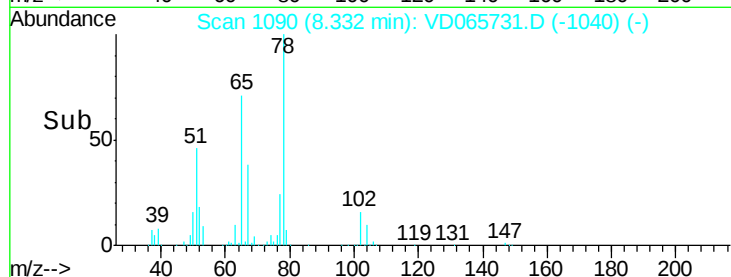
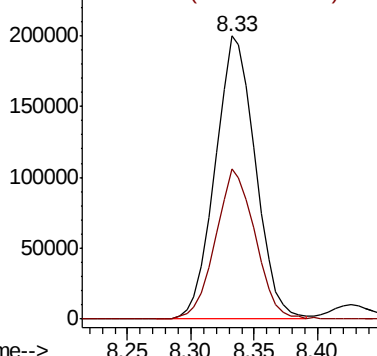
65 100

67 52.7 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: VD065731.D

Acq: 13 May 2020 14:15

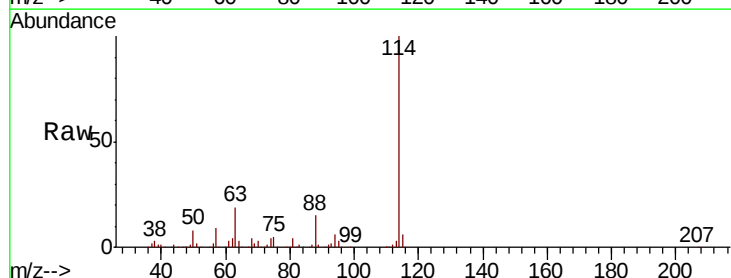
Tgt Ion: 114 Resp: 555719

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.2

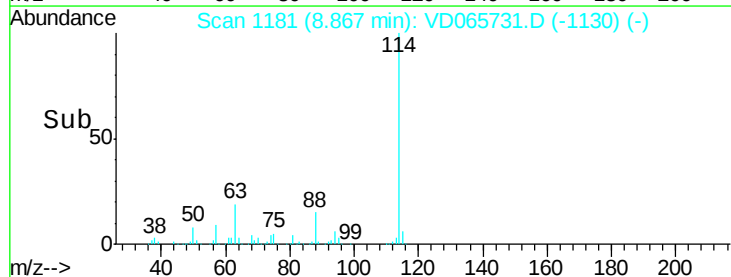
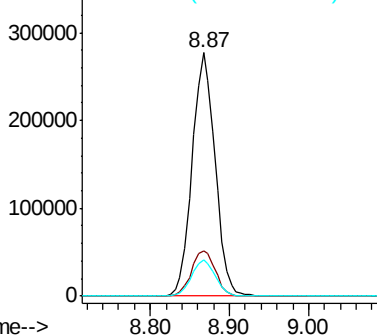
88 14.8 0.0 30.2

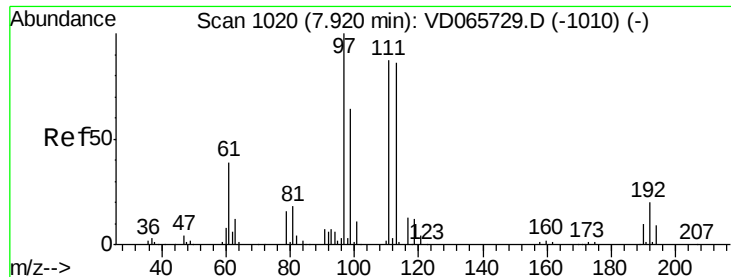


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

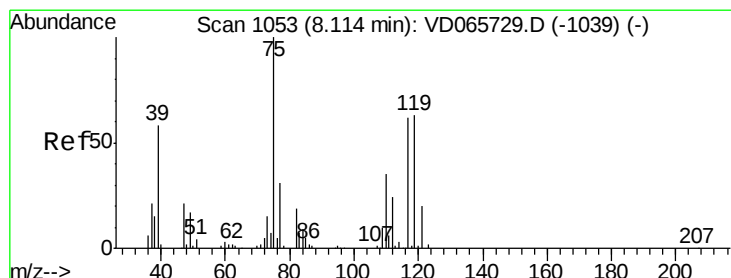
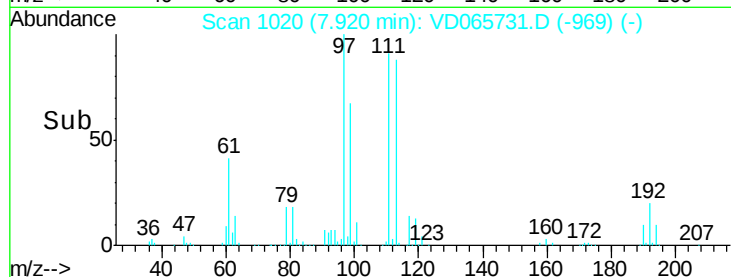
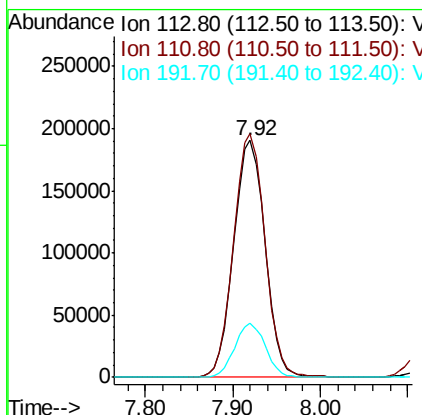
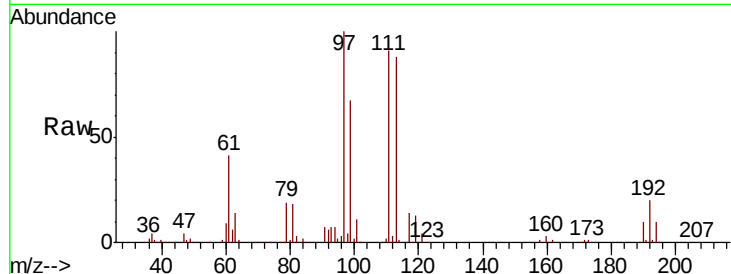




#35
 Dibromofluoromethane
 Concen: 136.952 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

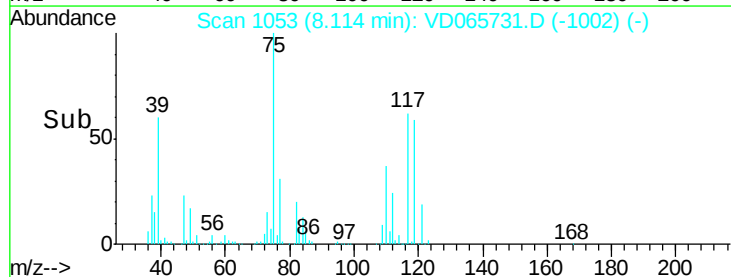
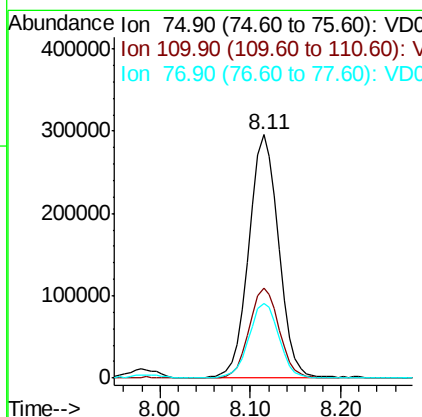
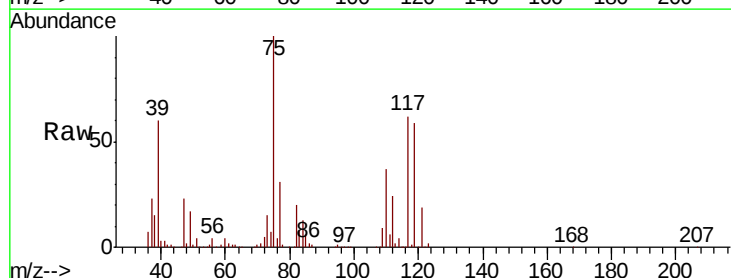
Instrument :
 MSVOA_D
 ClientSampled :

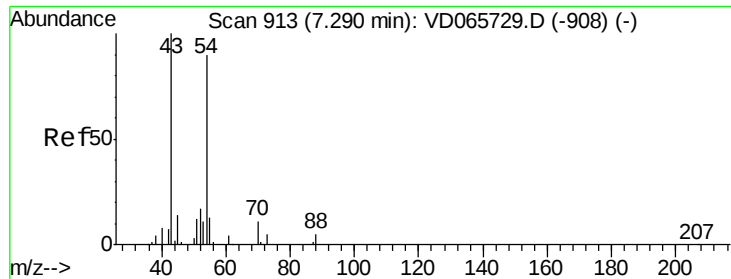
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	22.2	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 125.675 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.4	55.2
77	31.2	24.6	37.0

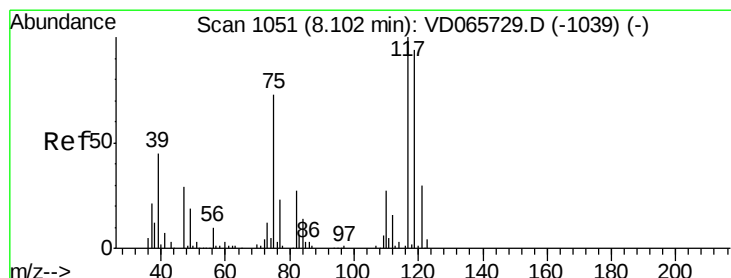
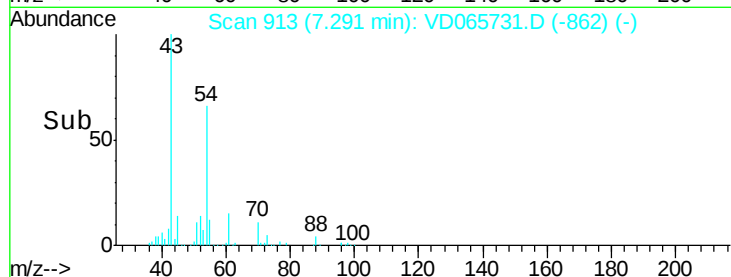
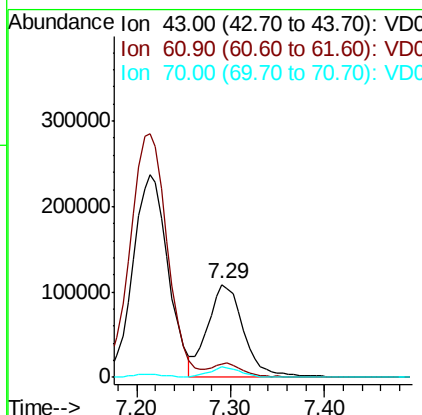
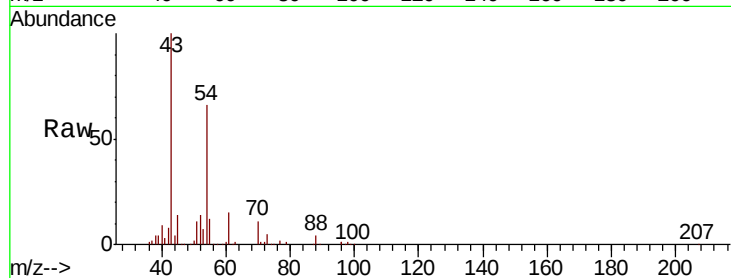




#37
Ethyl Acetate
Concen: 113.872 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

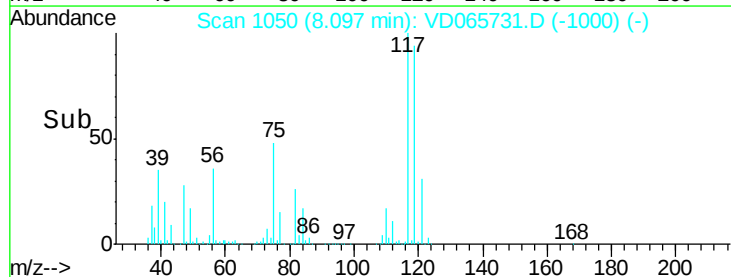
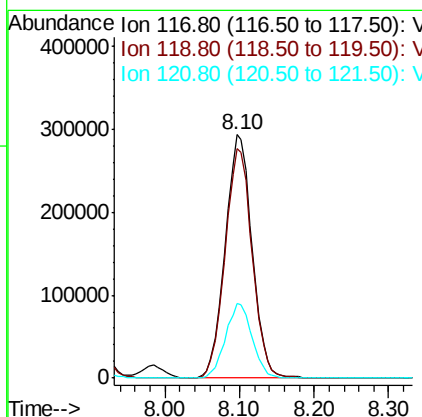
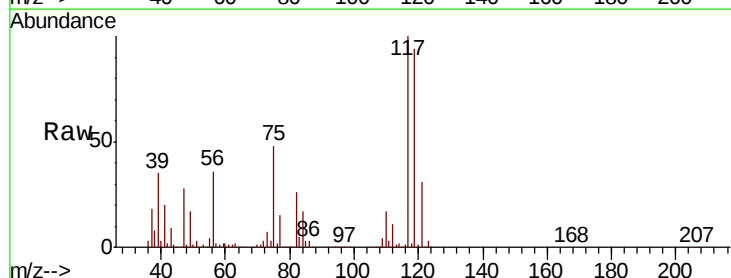
Instrument :
MSVOA_D
ClientSampleId :

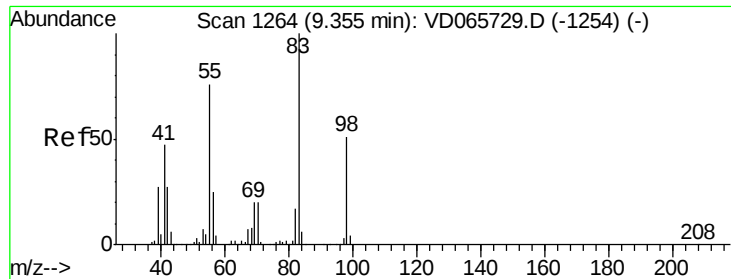
Tot Ion: 43 Resp: 288808
Ion Ratio Lower Upper
43 100
61 12.6 9.8 14.6
70 10.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 135.733 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion: 117 Resp: 731545
Ion Ratio Lower Upper
117 100
119 94.3 75.6 113.4
121 31.0 24.4 36.6

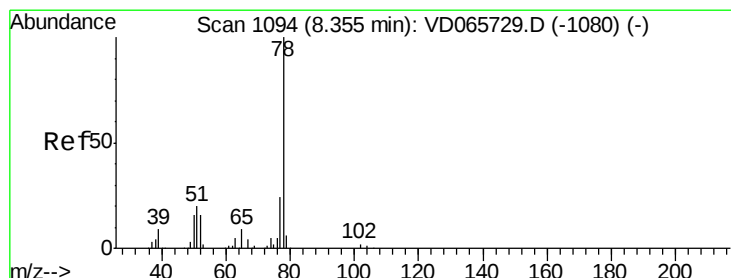
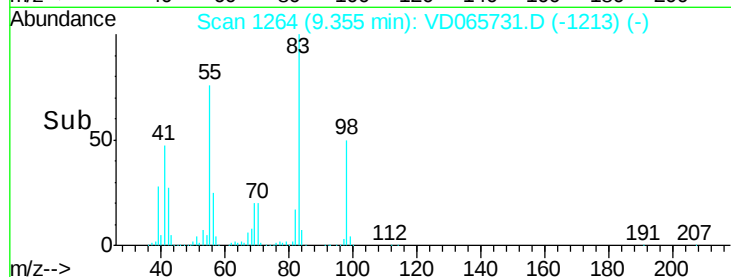
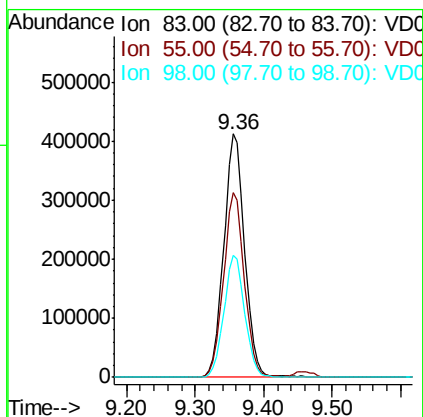
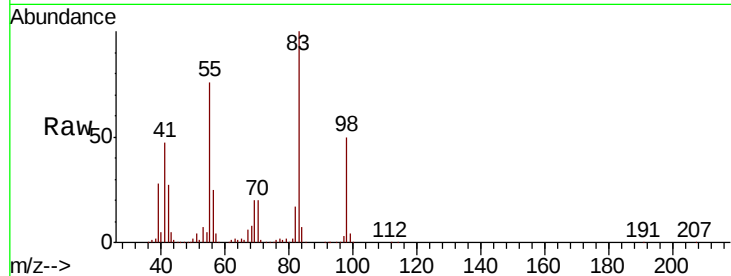




#39
Methvlcvclohexane
Concen: 129.087 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

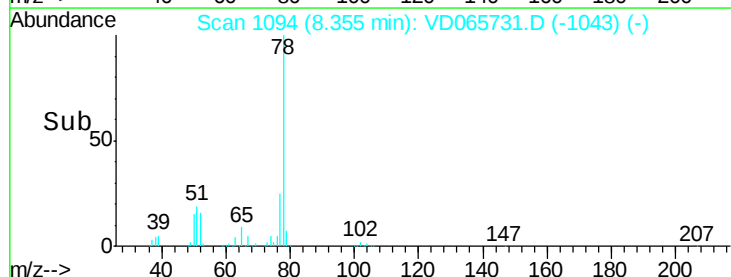
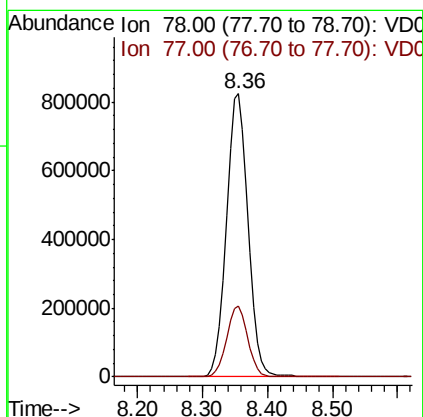
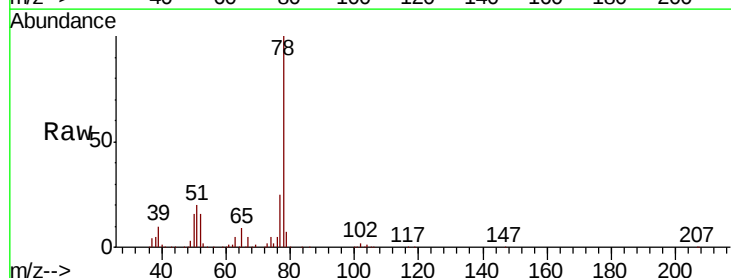
Instrument :
MSVOA_D
ClientSampled :

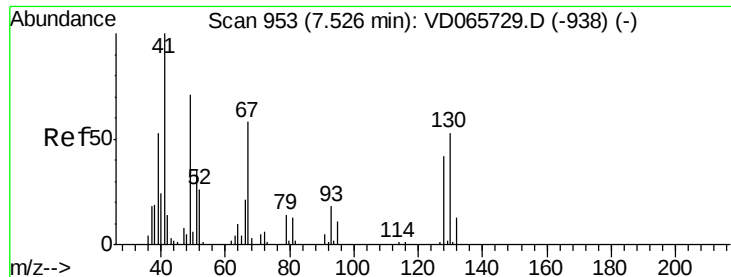
Tot Ion: 83 Resp: 870616
Ion Ratio Lower Upper
83 100
55 76.0 60.9 91.3
98 50.3 40.6 61.0



#40
Benzene
Concen: 128.829 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion: 78 Resp: 1895319
Ion Ratio Lower Upper
78 100
77 24.8 19.1 28.7

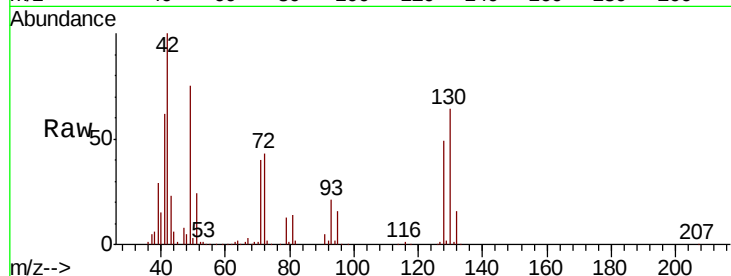




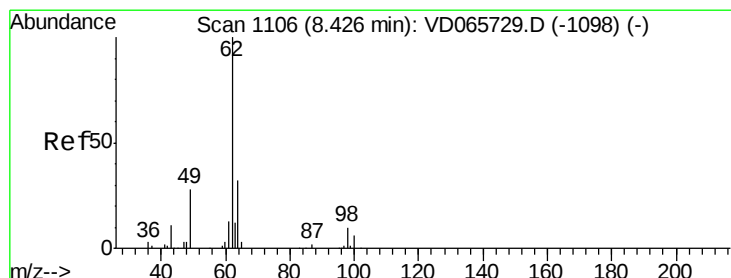
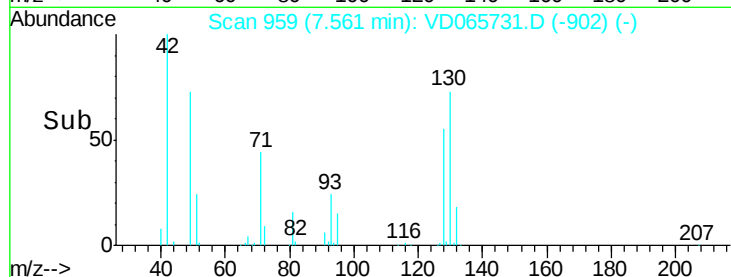
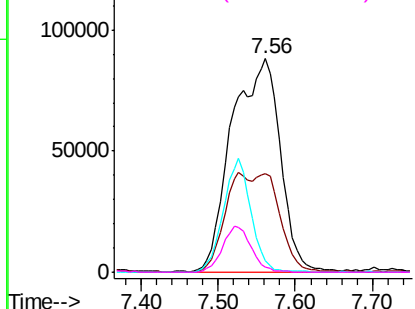
#41
Methacrylonitrile
Concen: 259.442 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	56.8	85.2#
67	0.0	57.9	86.9#
52	0.0	25.9	38.9#

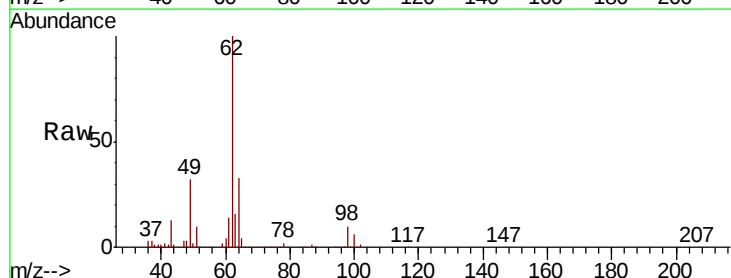


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

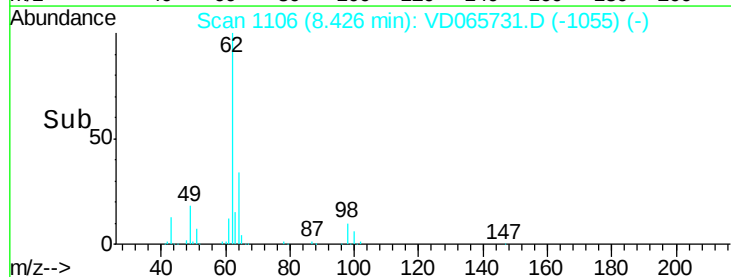
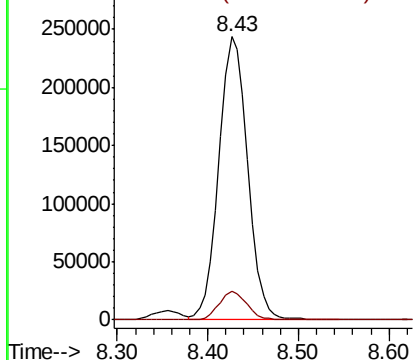


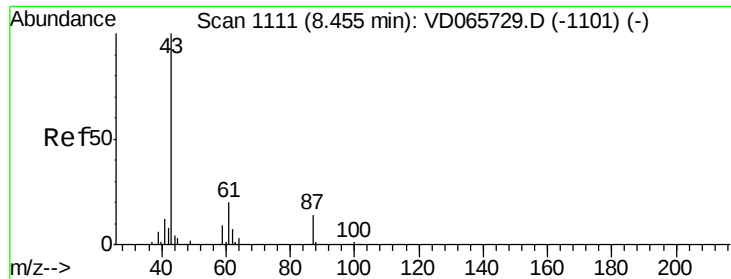
#42
1,2-Dichloroethane
Concen: 127.312 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt 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: 114.942 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

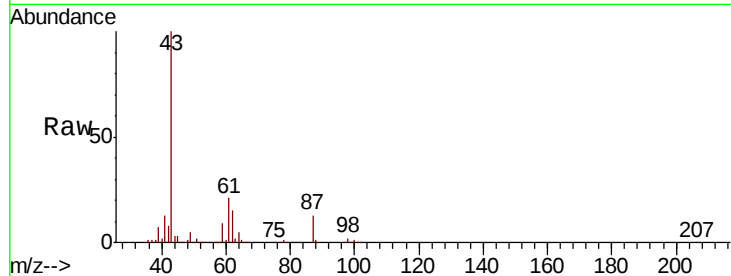
Tot Ion: 43 Resp: 583274

Ion Ratio Lower Upper

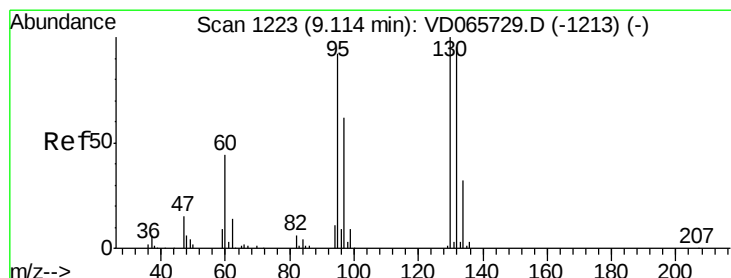
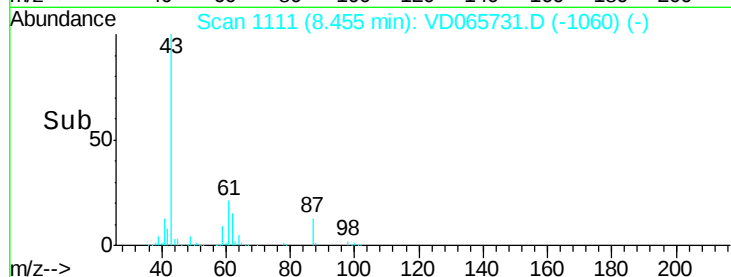
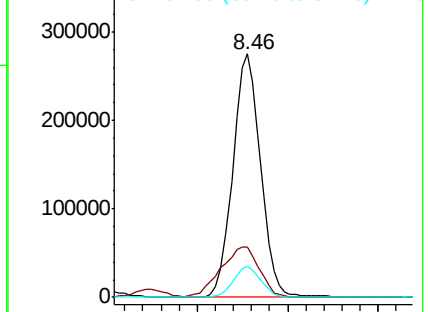
43 100

61 29.3 23.8 35.6

87 12.7 10.5 15.7



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



#44

Trichloroethene

Concen: 137.690 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065731.D

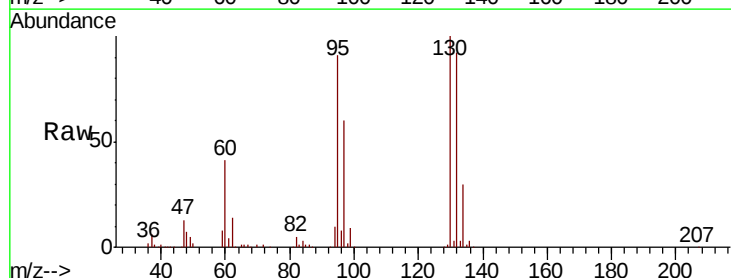
Acq: 13 May 2020 14:15

Tgt Ion:130 Resp: 565405

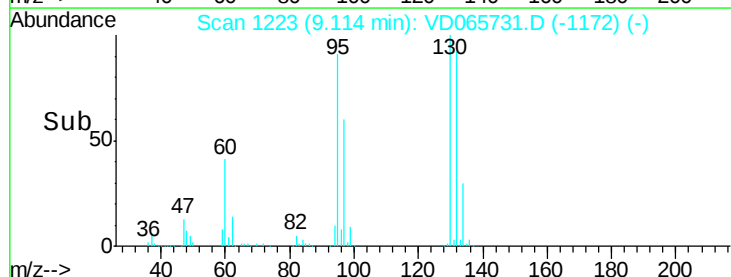
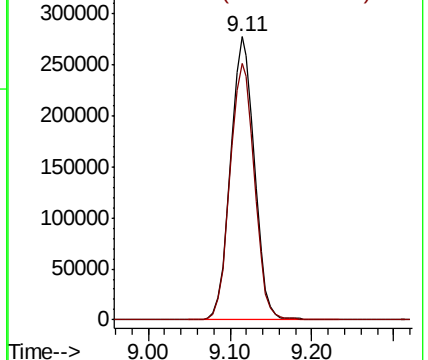
Ion Ratio Lower Upper

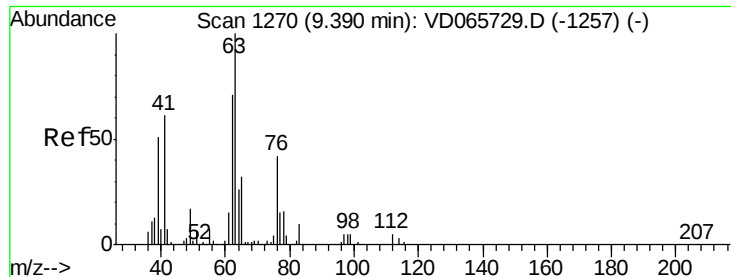
130 100

95 90.8 0.0 183.6



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

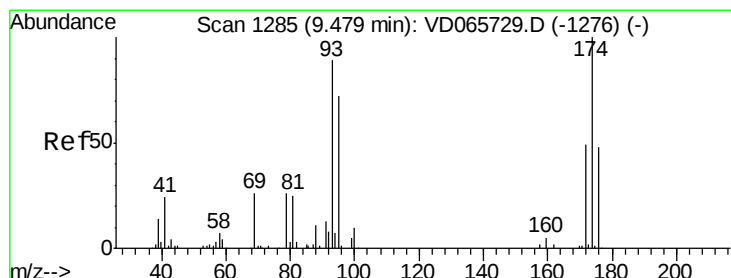
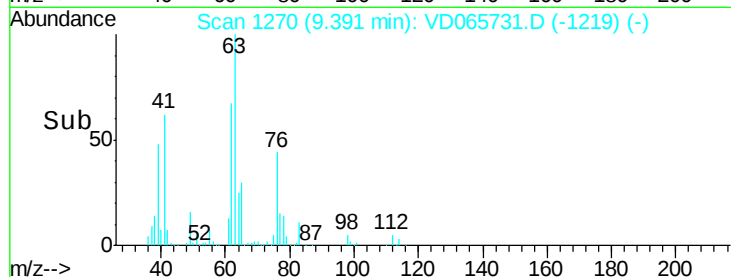
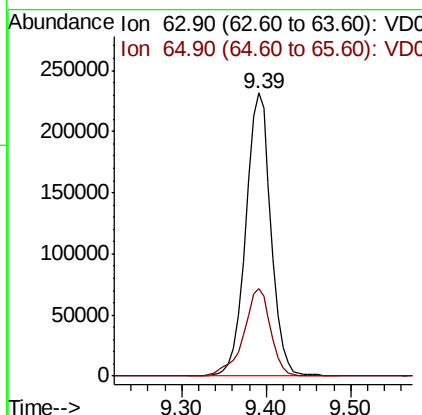
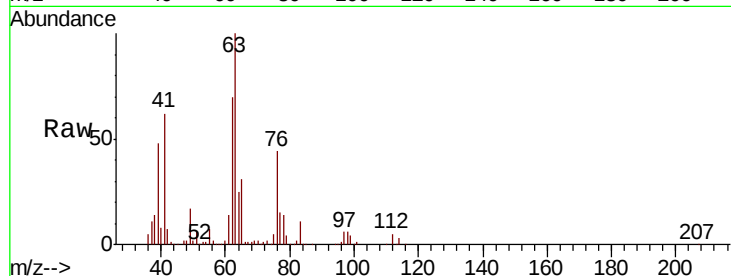




#45
 1,2-Dichloropropane
 Concen: 127.372 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

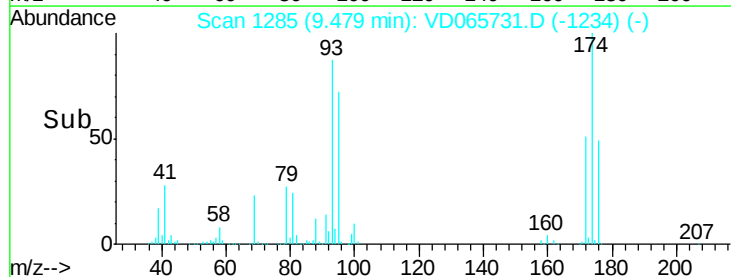
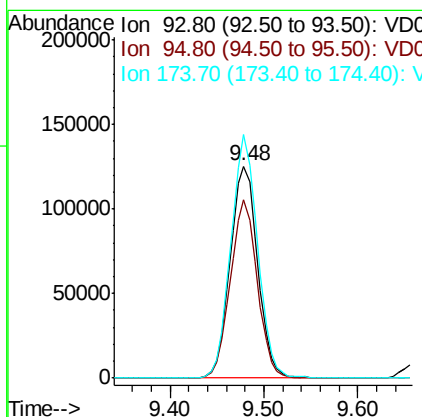
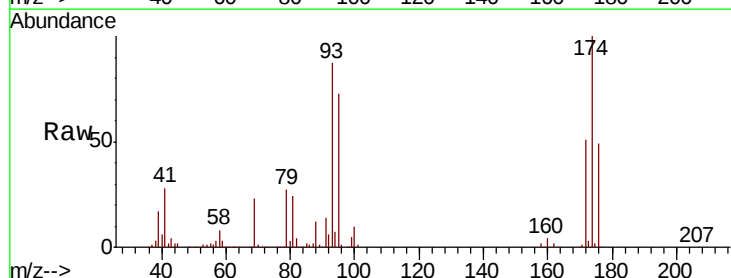
Instrument :
 MSVOA_D
 ClientSampled :

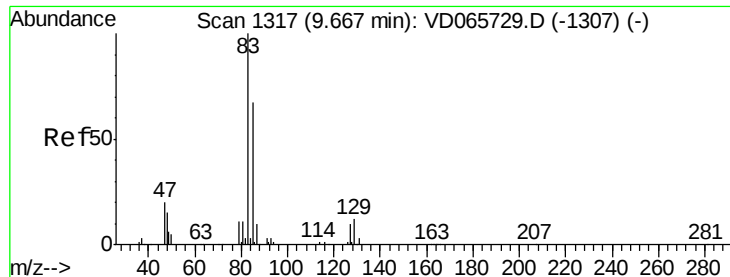
Tot Ion: 63 Resp: 480764
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.3 37.9



#46
 Dibromomethane
 Concen: 133.547 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion: 93 Resp: 255167
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.4 98.2
 174 111.7 89.9 134.9





#47

Bromodichloromethane

Concen: 132.786 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

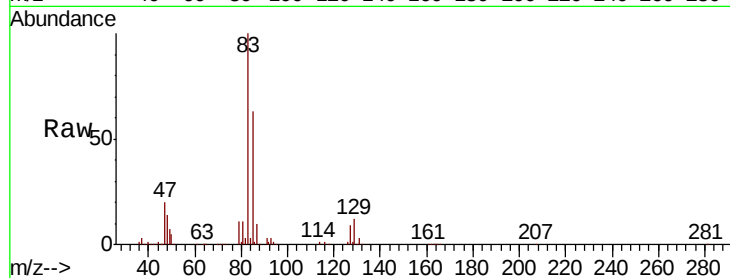
Tot Ion: 83 Resp: 678542

Ion Ratio Lower Upper

83 100

85 63.5 53.6 80.4

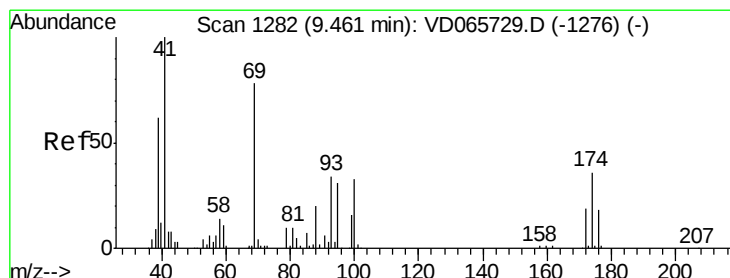
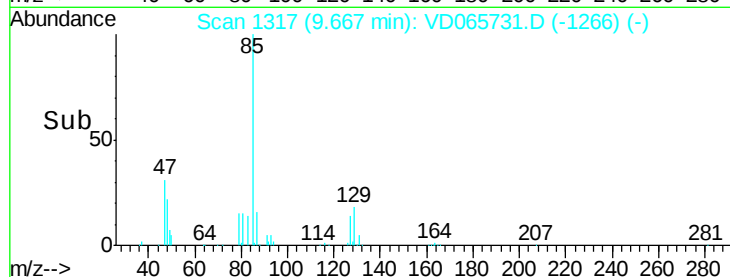
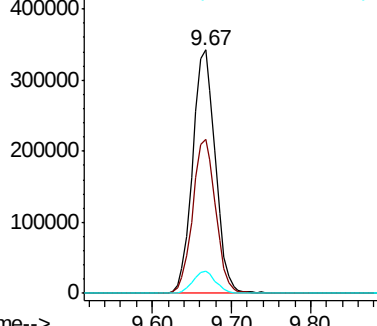
127 8.9 7.7 11.5



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): VDC



#48

Methyl methacrylate

Concen: 113.351 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

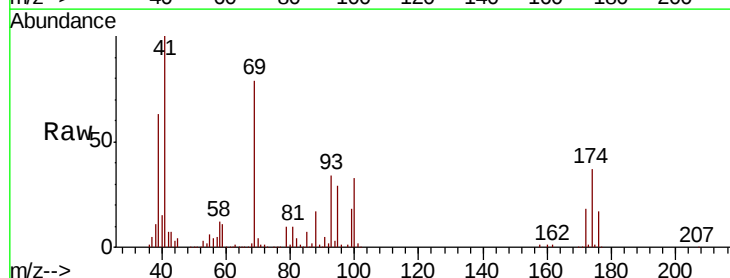
Tgt Ion: 41 Resp: 287392

Ion Ratio Lower Upper

41 100

69 79.3 64.4 96.6

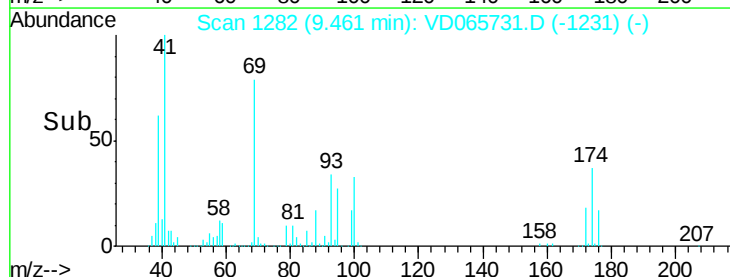
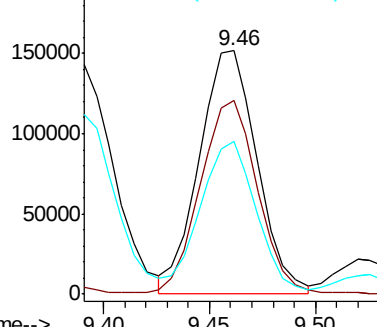
39 57.6 46.7 70.1

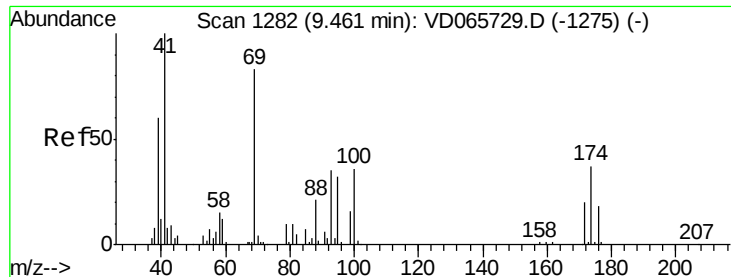


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

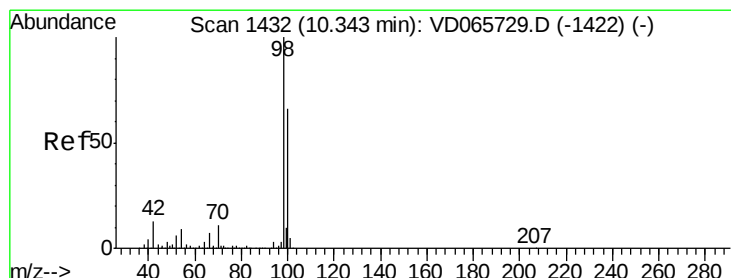
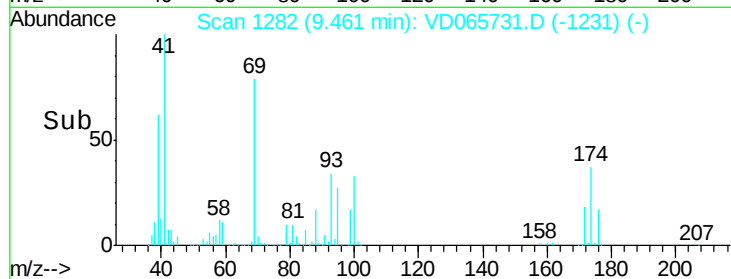
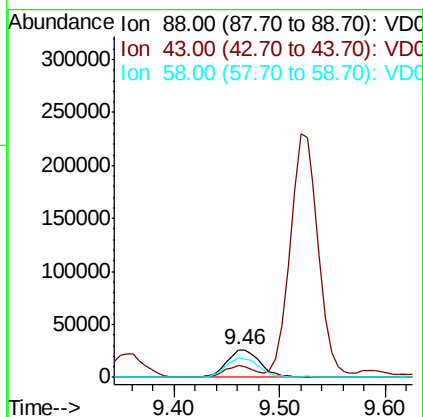
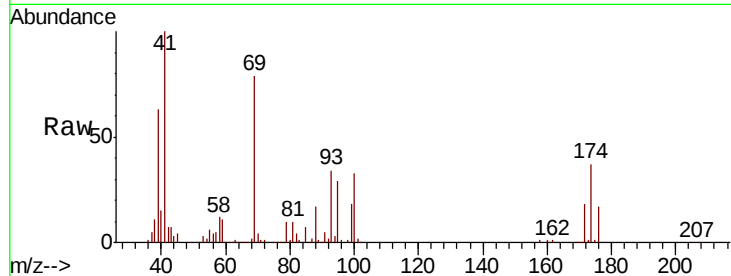




#49
 1,4-Dioxane
 Concen: 2441.660 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

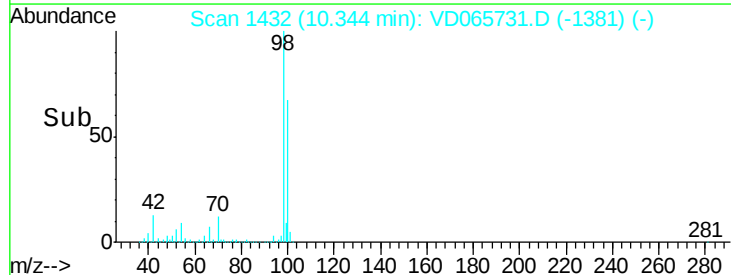
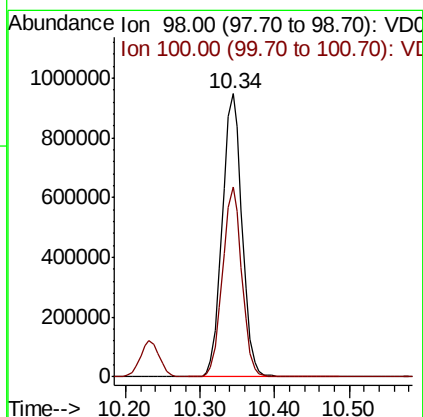
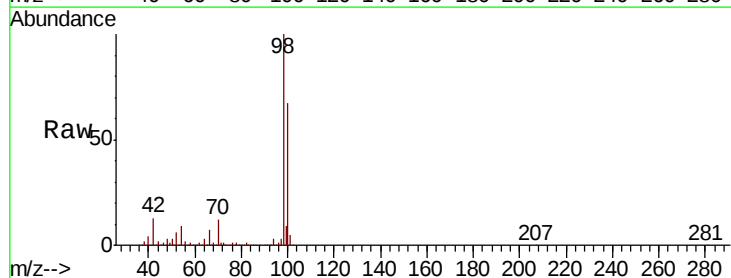
Instrument :
 MSVOA_D
 ClientSampleId :

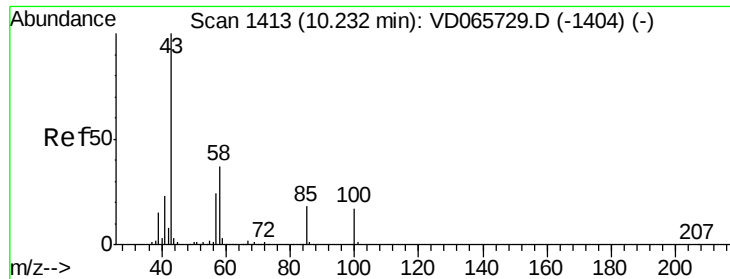
Tot Ion: 88 Resp: 56678
 Ion Ratio Lower Upper
 88 100
 43 37.3 29.4 44.0
 58 73.3 55.1 82.7



#50
 Toluene-d8
 Concen: 135.201 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion: 98 Resp: 1750744
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.5 78.7

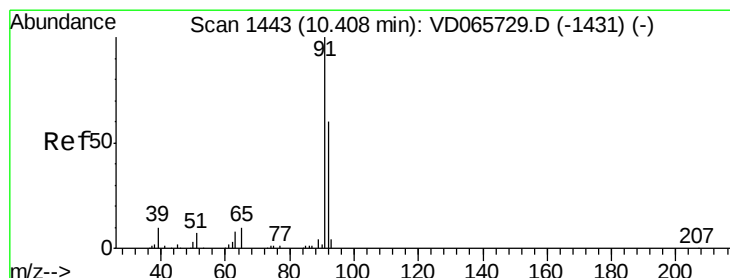
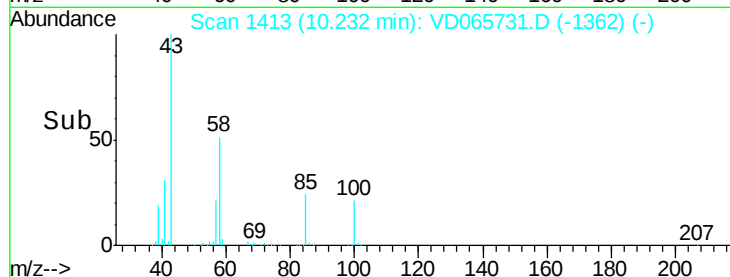
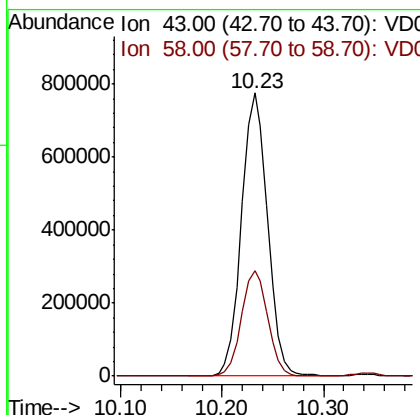
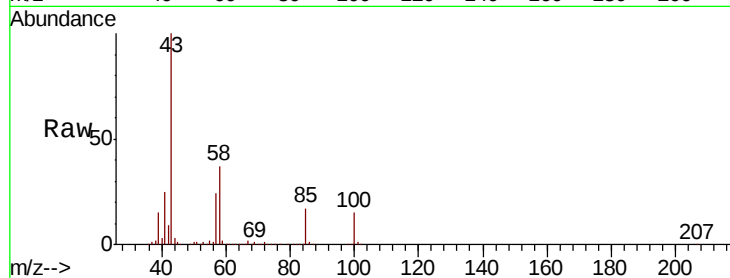




#51
4-Methyl-2-Pentanone
Concen: 565.538 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

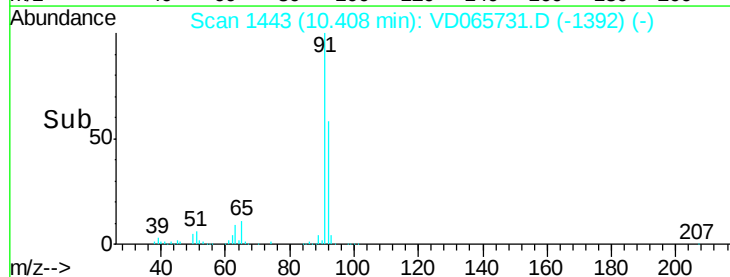
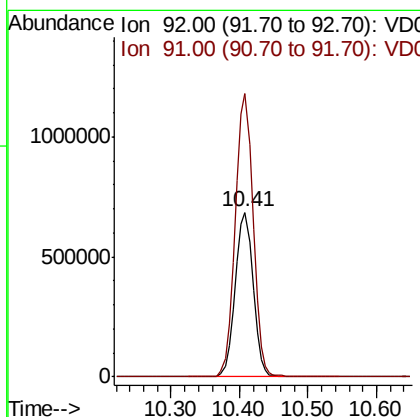
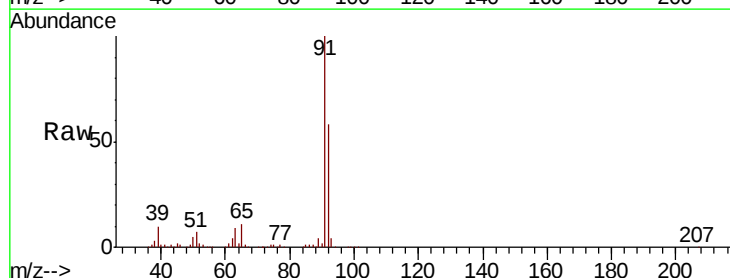
Instrument :
MSVOA_D
ClientSampled :

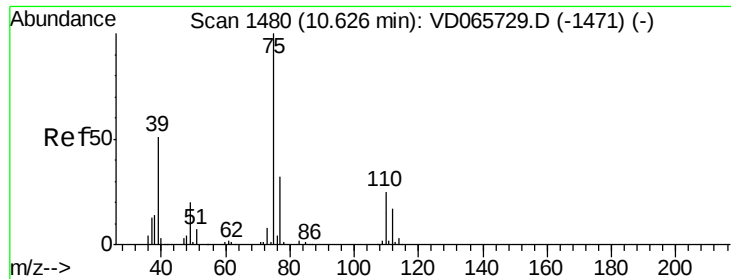
Tot Ion: 43 Resp: 1383629
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.2



#52
Toluene
Concen: 132.605 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion: 92 Resp: 1240577
Ion Ratio Lower Upper
92 100
91 171.3 136.6 205.0

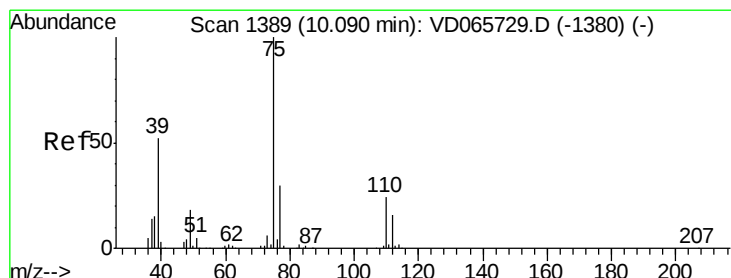
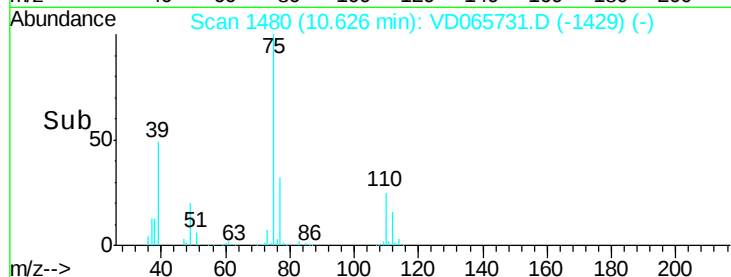
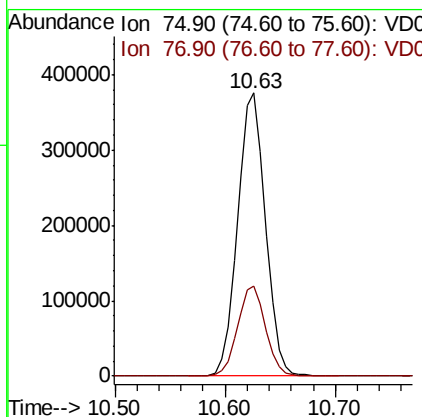
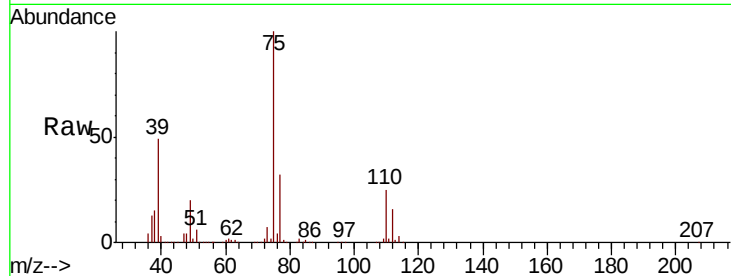




#53
t-1,3-Dichloropropene
Concen: 129.772 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

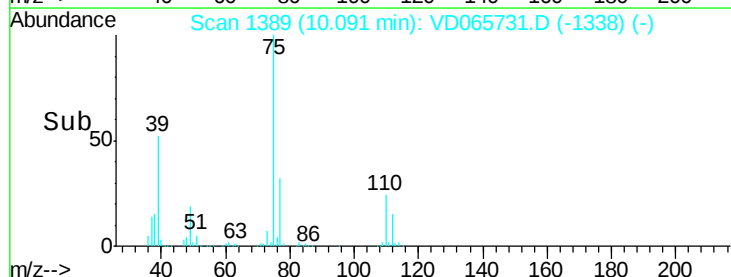
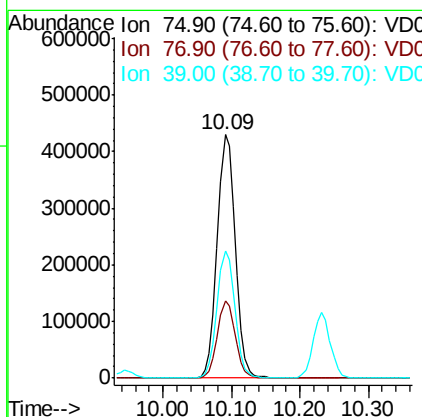
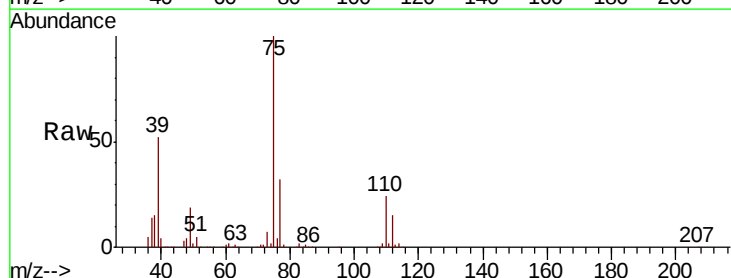
Instrument :
MSVOA_D
ClientSampleId :

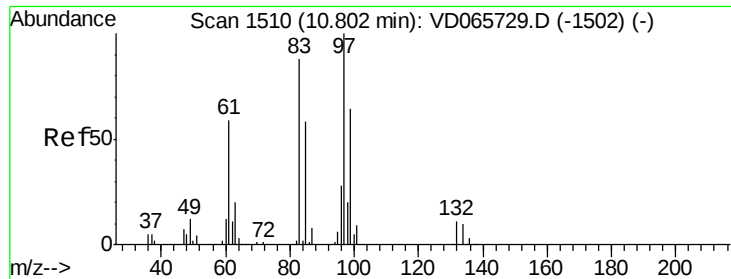
Tot Ion: 75 Resp: 666977
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 129.505 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion: 75 Resp: 788360
Ion Ratio Lower Upper
75 100
77 31.5 23.8 35.6
39 52.0 41.9 62.9

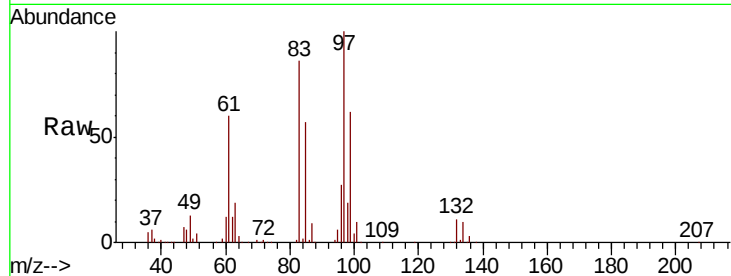




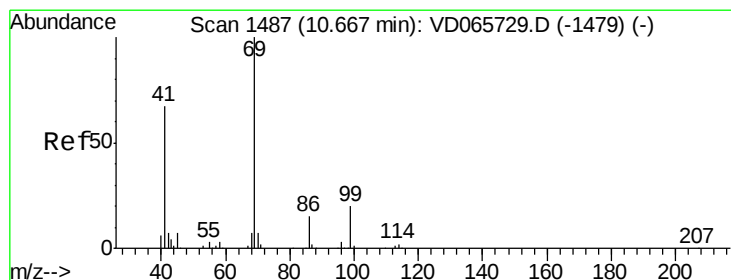
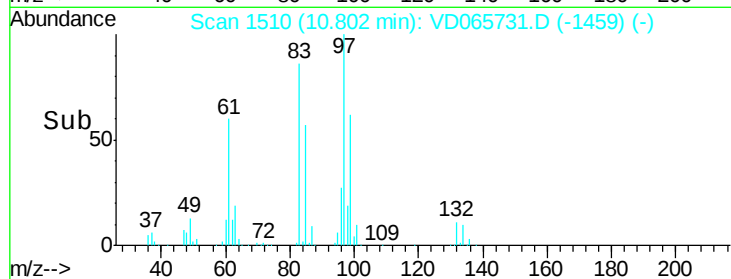
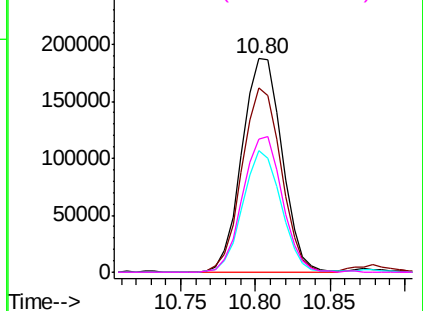
#55
 1,1,2-Trichloroethane
 Concen: 135.341 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 348501
 Ion Ratio Lower Upper
 97 100
 83 86.2 70.7 106.1
 85 56.7 46.8 70.2
 99 62.2 50.9 76.3

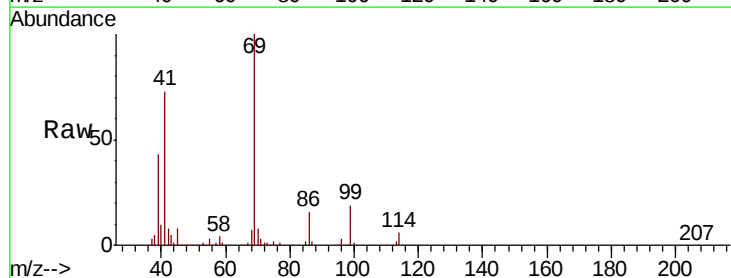


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

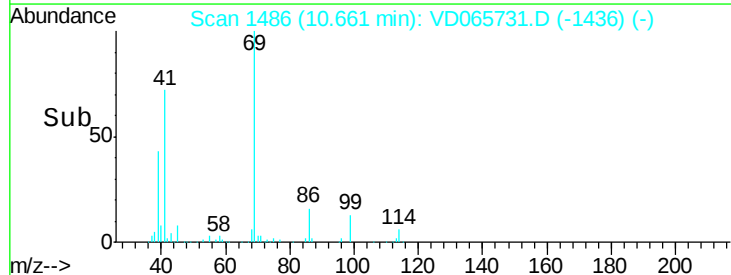
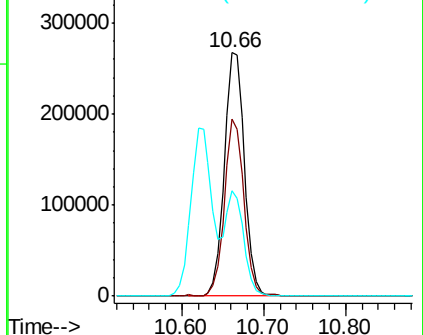


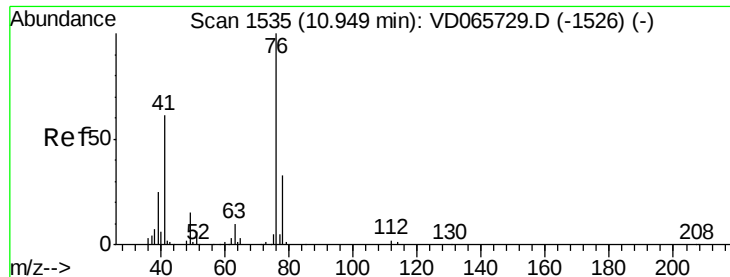
#56
 Ethyl methacrylate
 Concen: 124.228 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion: 69 Resp: 456762
 Ion Ratio Lower Upper
 69 100
 41 69.8 55.7 83.5
 39 41.3 28.6 43.0



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

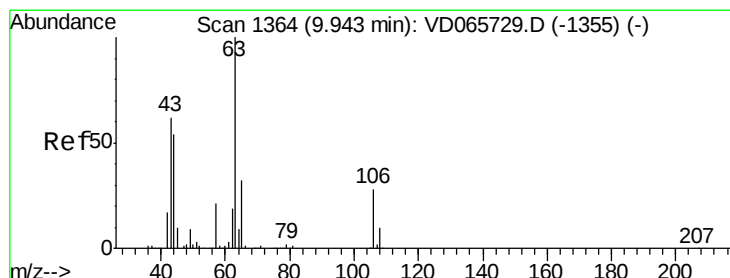
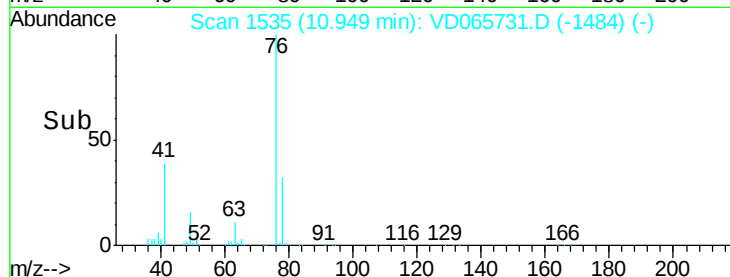
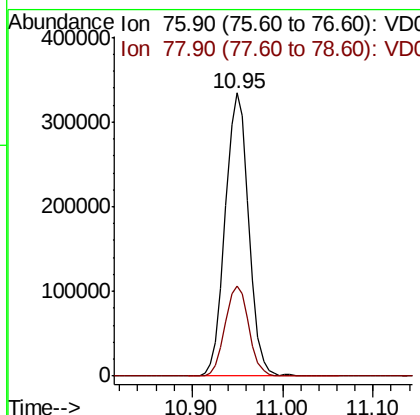
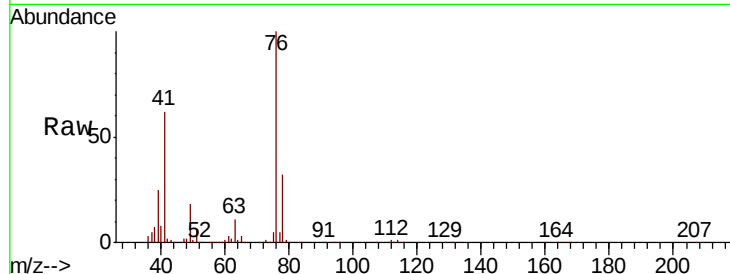




#57
 1,3-Dichloropropane
 Concen: 130.075 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

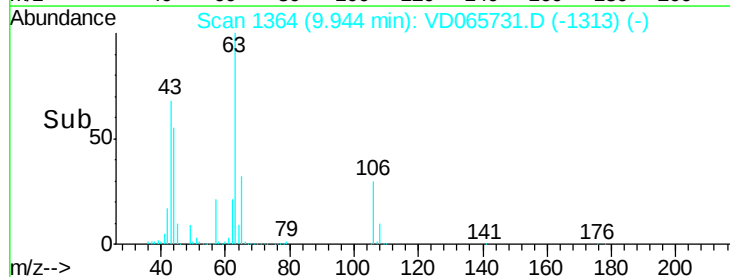
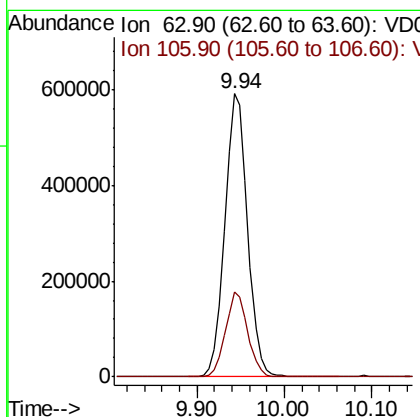
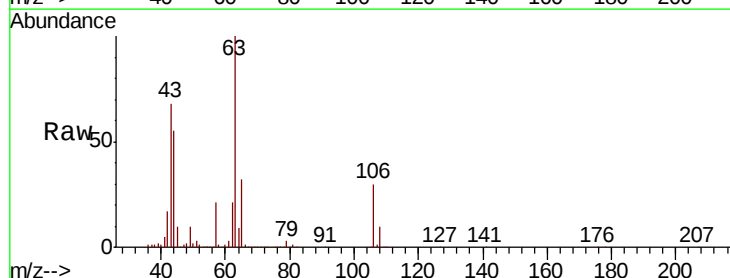
Instrument :
 MSVOA_D
 ClientSampleId :

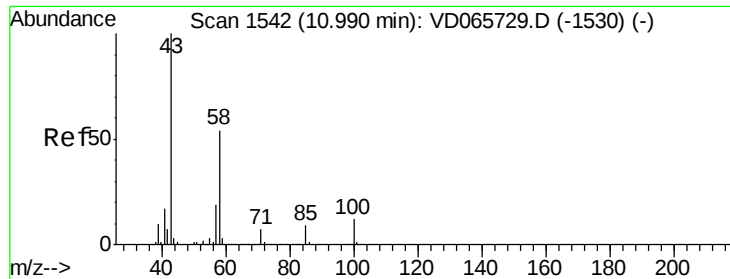
Tot Ion: 76 Resp: 600066
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 617.751 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion: 63 Resp: 1051097
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.5 35.3

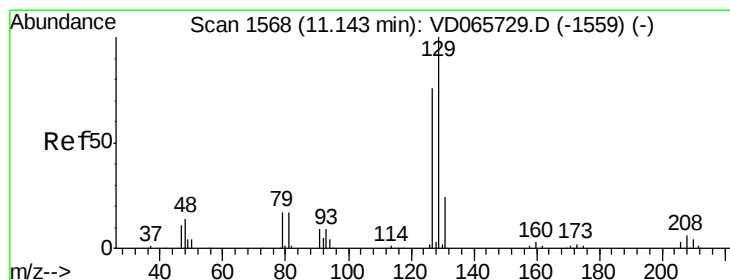
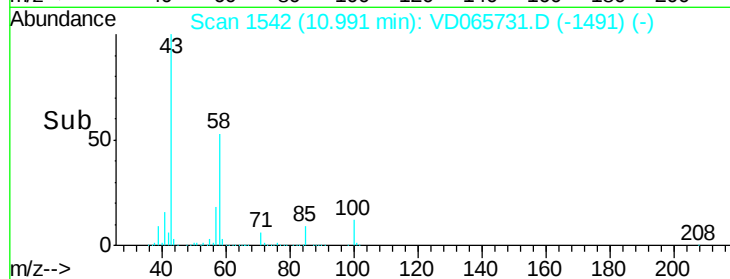
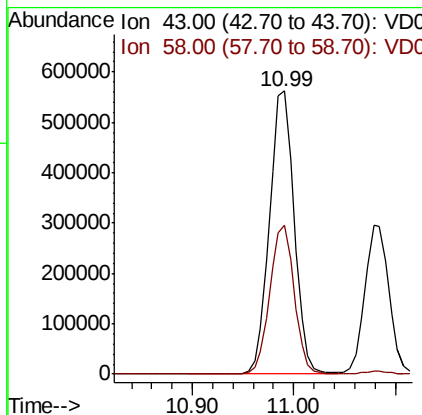
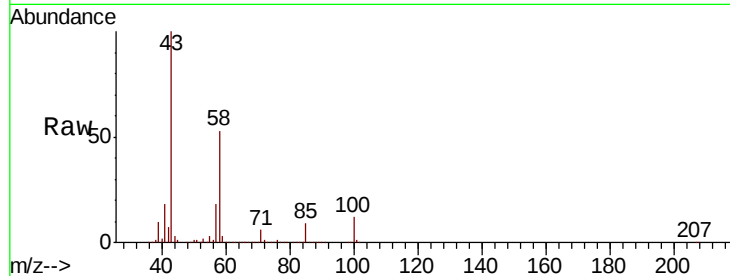




#59
2-Hexanone
Concen: 569.858 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

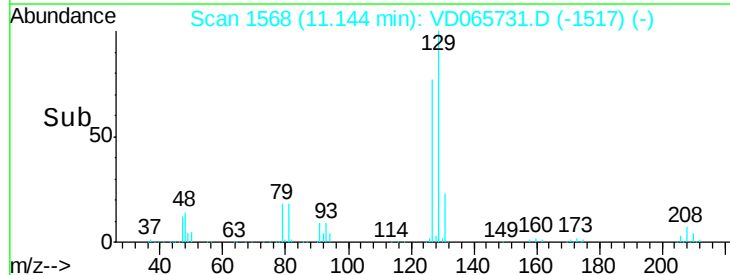
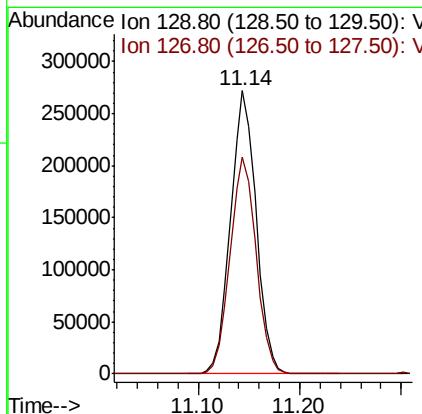
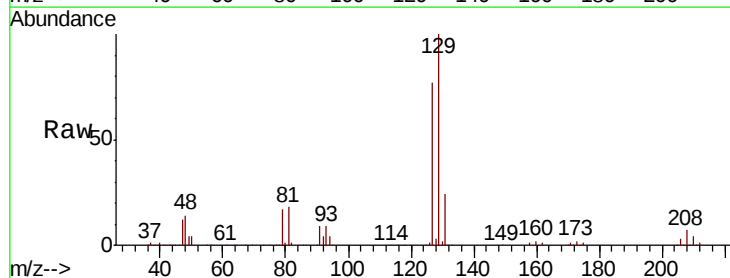
Instrument :
MSVOA_D
ClientSampleId :

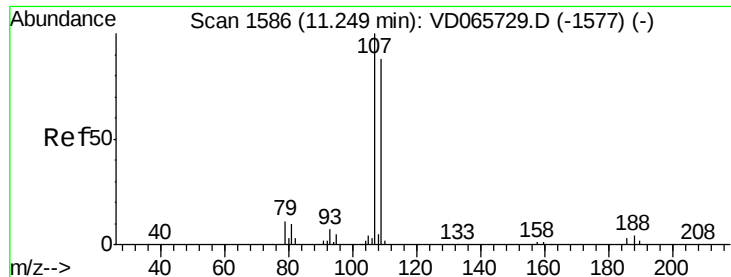
Tot Ion: 43 Resp: 955208
Ion Ratio Lower Upper
43 100
58 52.0 26.7 80.1



#60
Dibromochloromethane
Concen: 136.938 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion: 129 Resp: 477486
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9

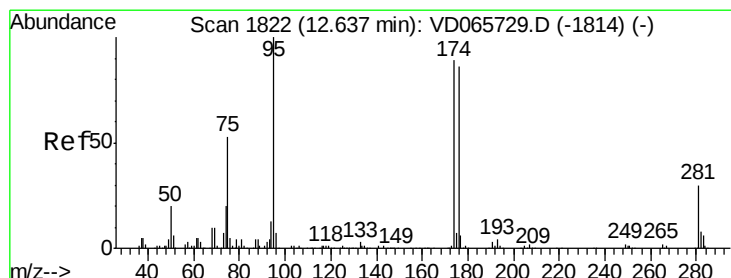
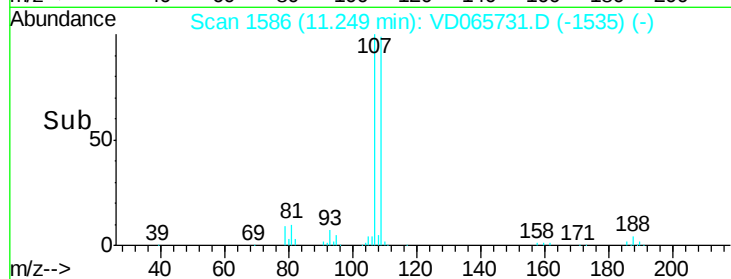
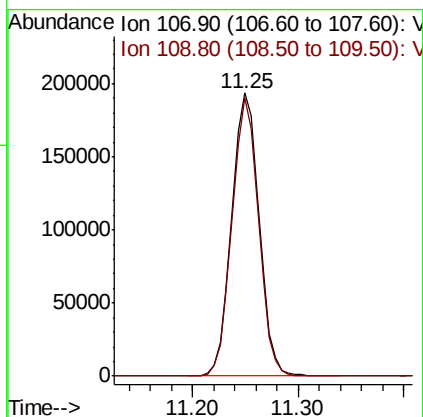
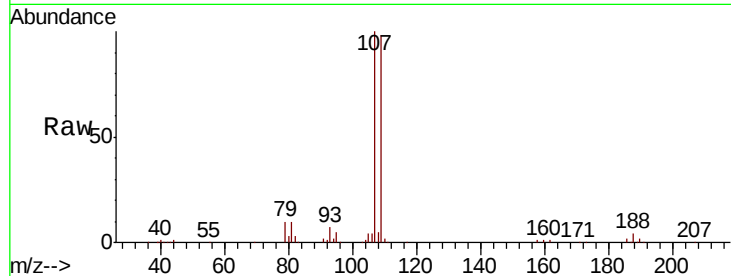




#61
 1,2-Dibromoethane
 Concen: 133.291 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

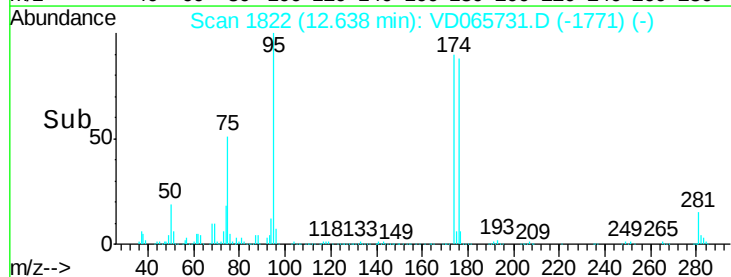
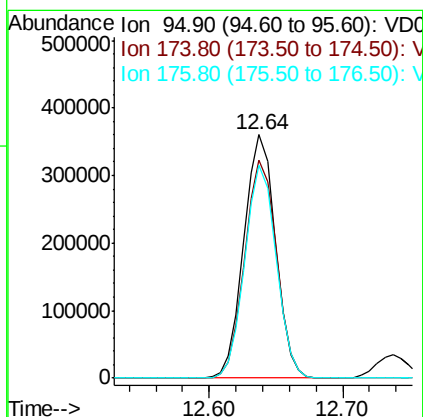
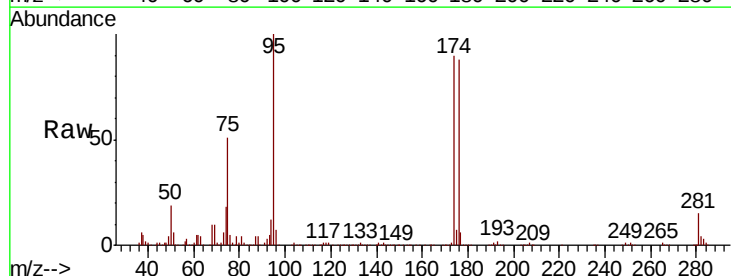
Instrument :
 MSVOA_D
 ClientSampled :

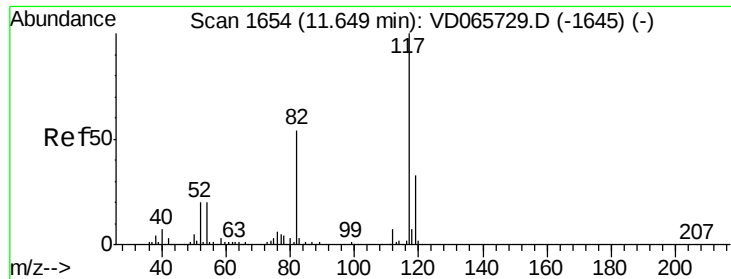
Tot Ion:107 Resp: 345405
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 129.098 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion: 95 Resp: 589551
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 179.4
 176 86.8 0.0 174.0

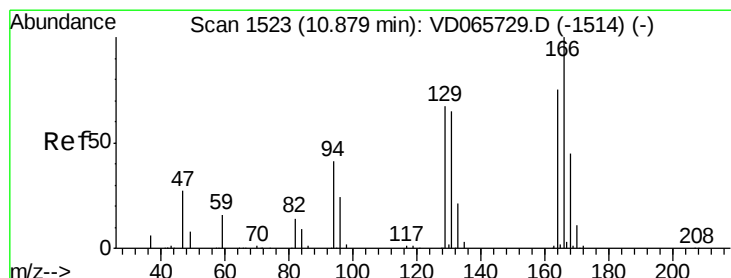
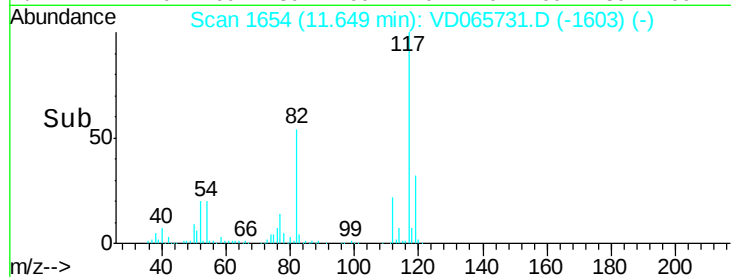
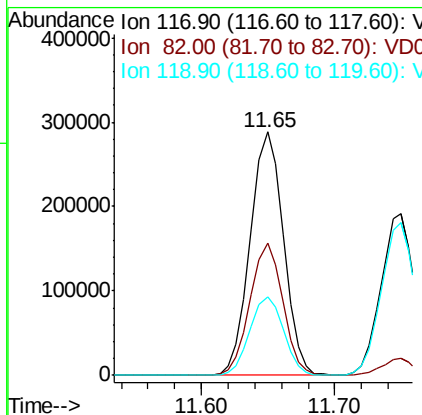
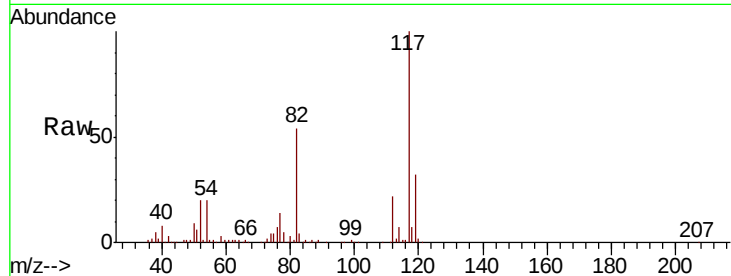




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

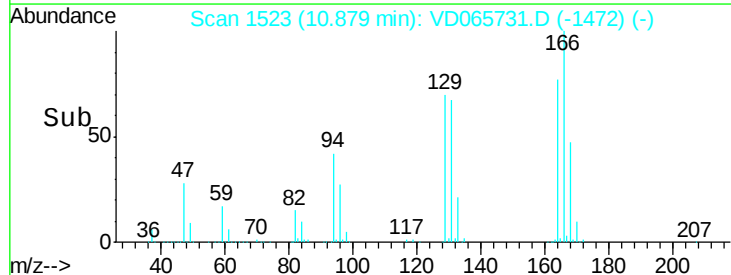
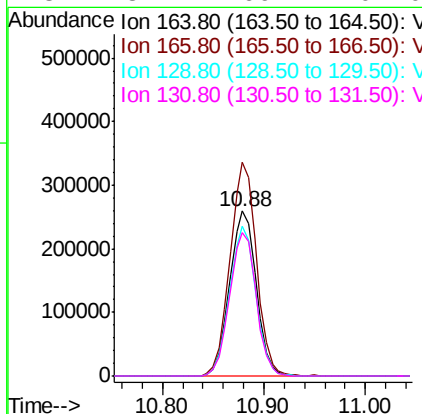
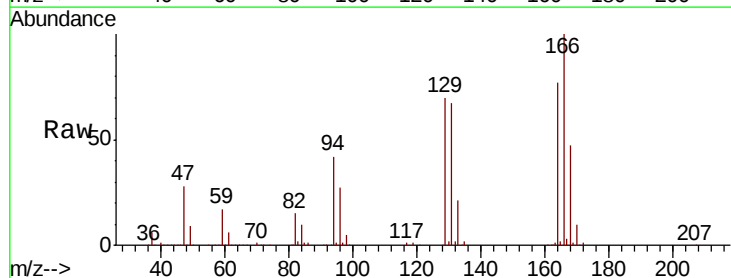
Instrument :
MSVOA_D
ClientSampleId :

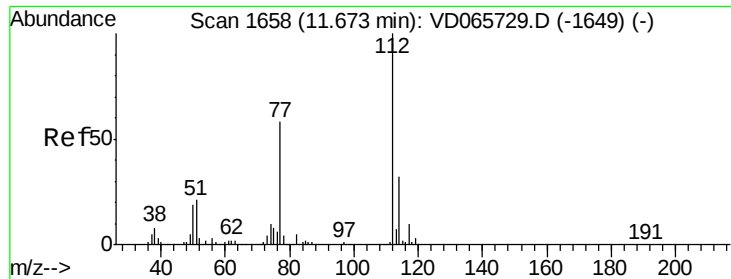
Tot Ion:117 Resp: 497900
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.6
119 32.3 26.6 40.0



#64
Tetrachloroethene
Concen: 134.669 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion:164 Resp: 472065
Ion Ratio Lower Upper
164 100
166 129.6 106.6 159.8
129 90.9 71.4 107.2
131 87.1 69.4 104.0

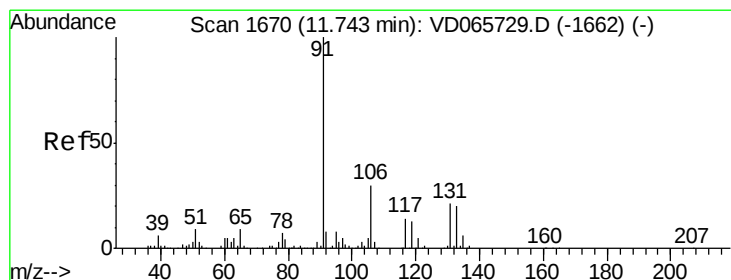
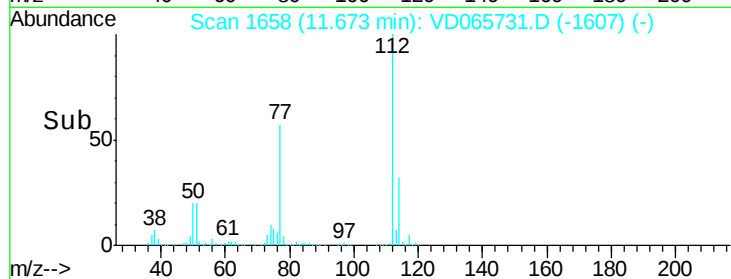
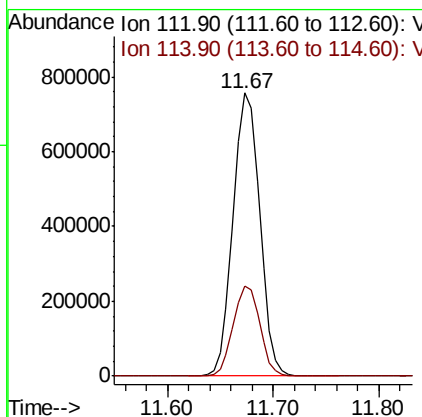
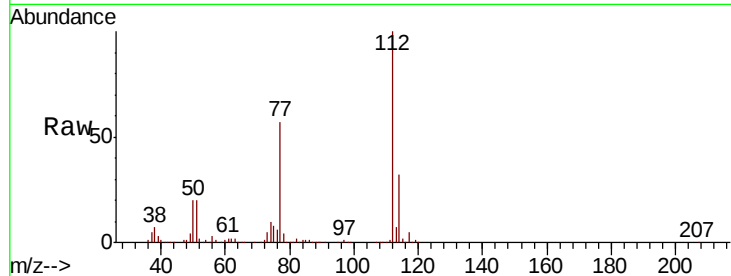




#65
Chlorobenzene
Concen: 133.707 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

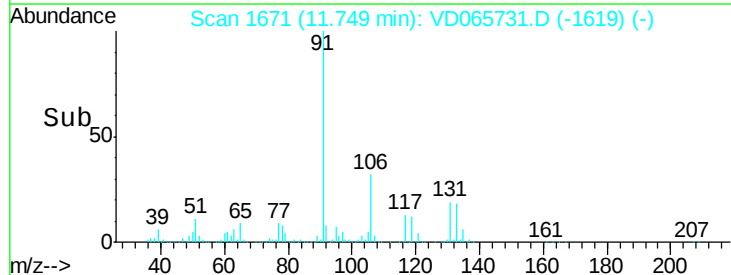
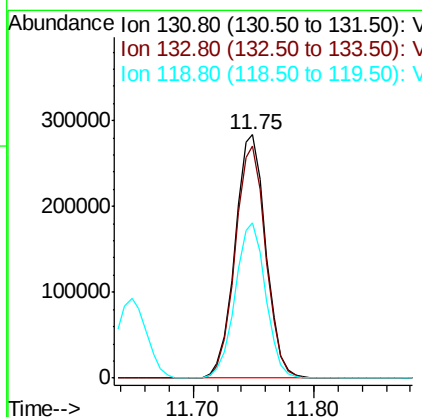
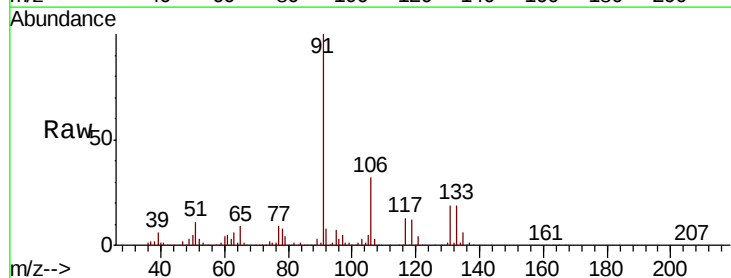
Instrument :
MSVOA_D
ClientSampleId :

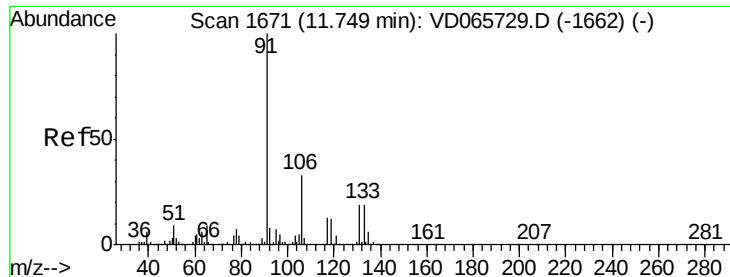
Tot Ion:112 Resp: 1322712
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 136.829 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion:131 Resp: 503874
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.8
119 63.1 31.6 95.0





#67

Ethyl Benzene

Concen: 130.614 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

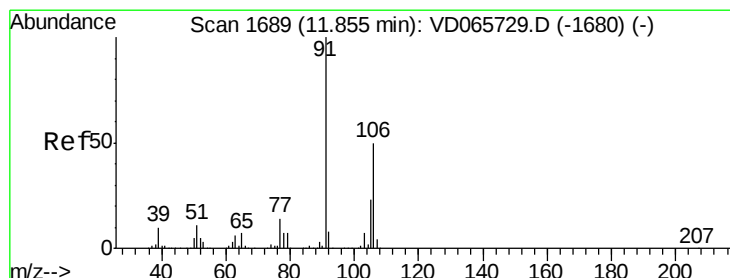
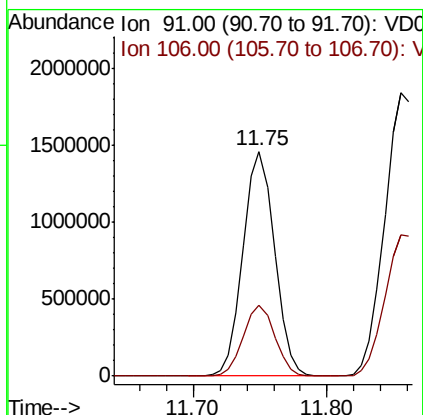
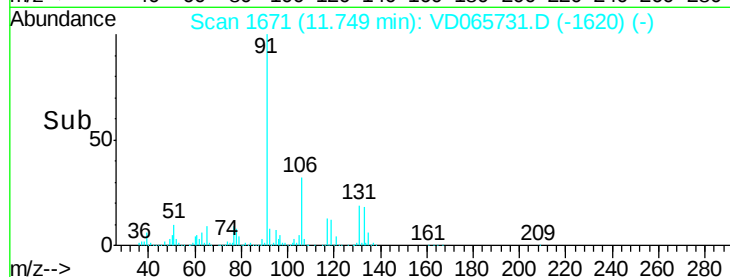
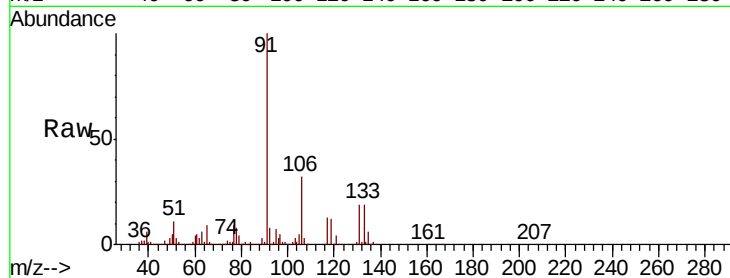
ClientSampleId :

Tot Ion: 91 Resp: 2394778

Ion Ratio Lower Upper

91 100

106 31.6 26.6 40.0



#68

m/p-Xylenes

Concen: 263.671 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065731.D

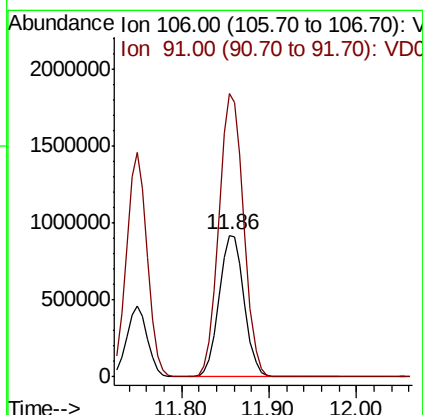
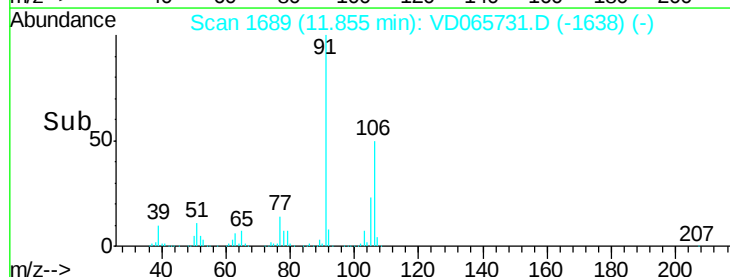
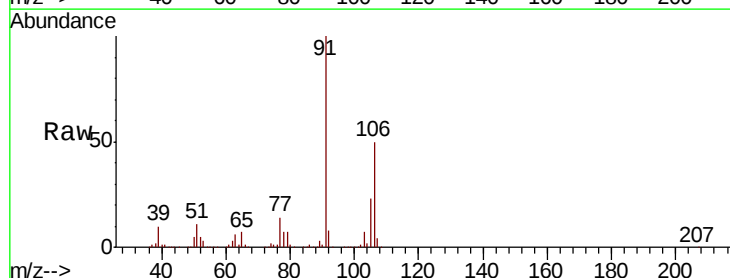
Acq: 13 May 2020 14:15

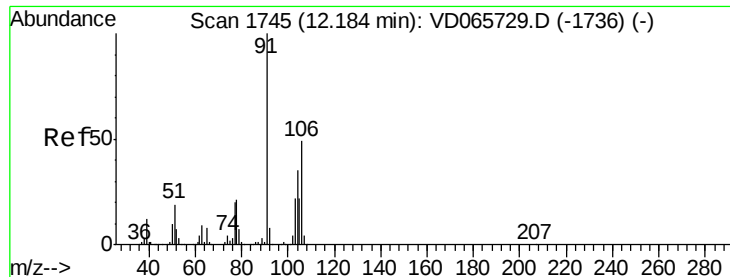
Tgt Ion:106 Resp: 1809331

Ion Ratio Lower Upper

106 100

91 198.5 158.7 238.1

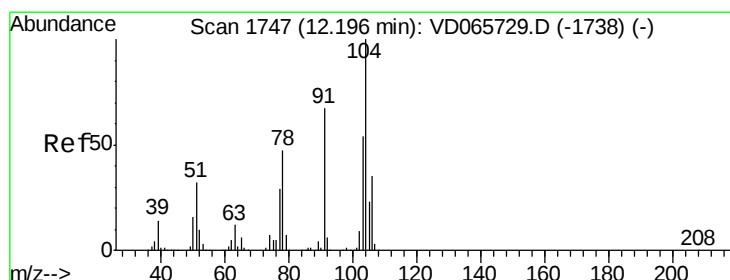
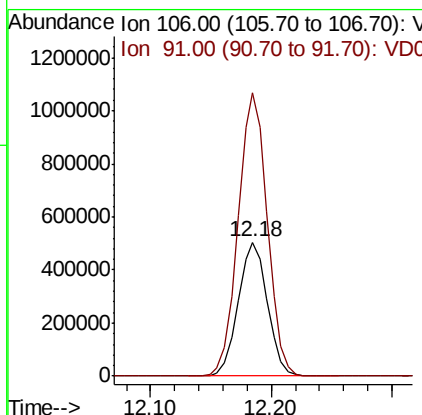
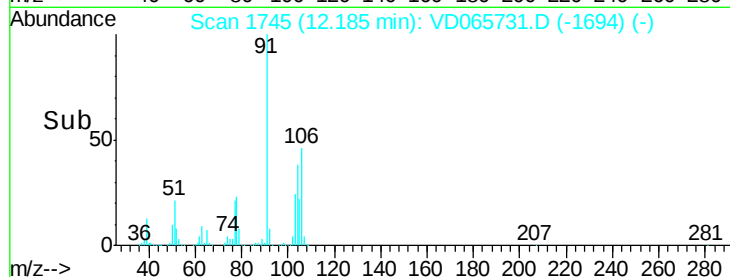
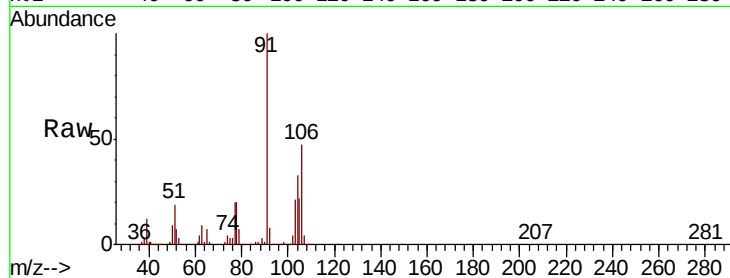




#69
o-Xylene
Concen: 132.553 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

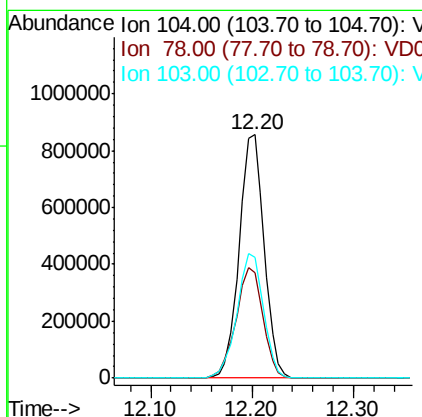
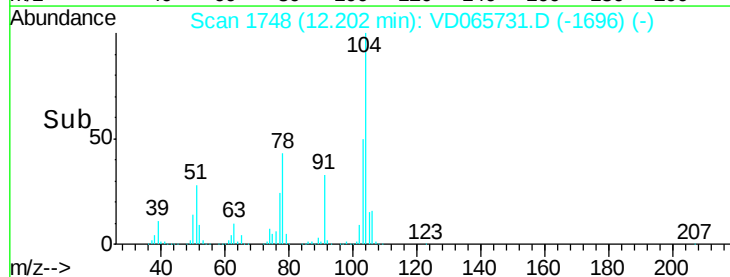
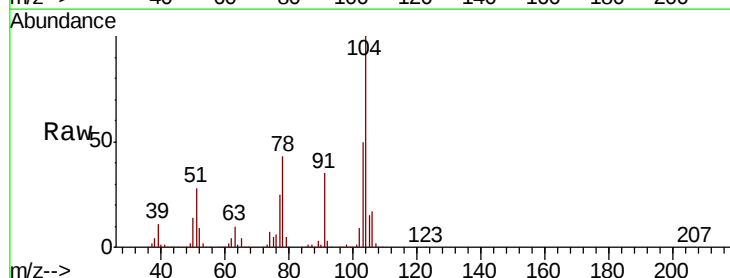
Instrument :
MSVOA_D
ClientSampled :

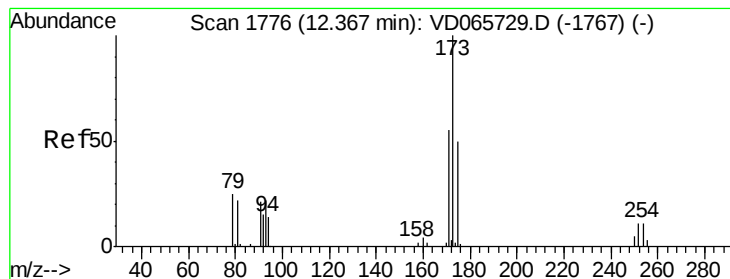
Tot Ion:106 Resp: 849090
Ion Ratio Lower Upper
106 100
91 210.5 101.8 305.4



#70
Styrene
Concen: 132.912 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion:104 Resp: 1460508
Ion Ratio Lower Upper
104 100
78 49.2 39.0 58.6
103 54.5 44.0 66.0





#71

Bromoform

Concen: 138.339 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampled :

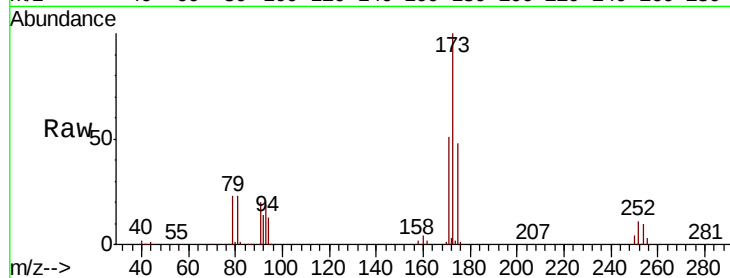
Tot Ion:173 Resp: 287025

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.6

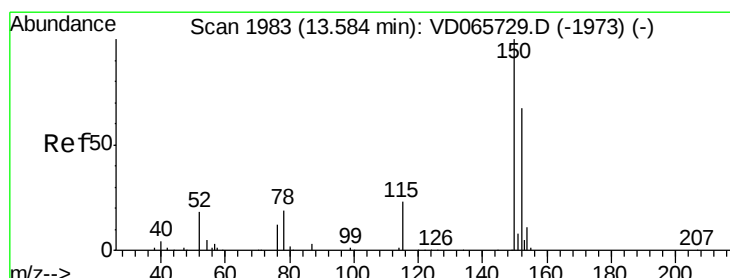
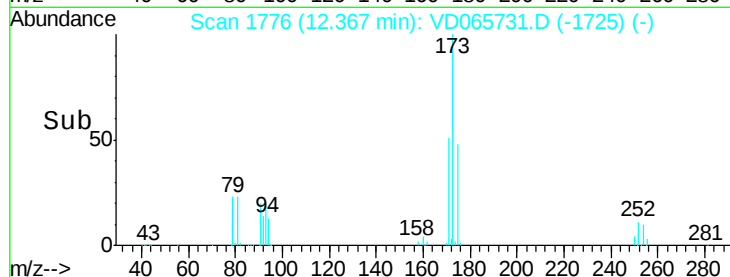
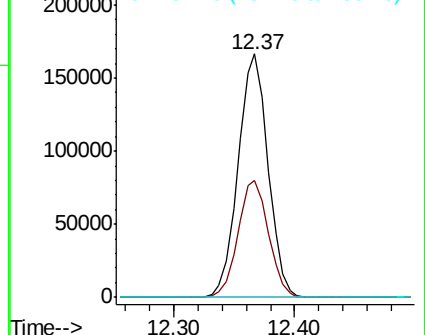
254 0.1 0.0 0.0#



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: VD065731.D

Acq: 13 May 2020 14:15

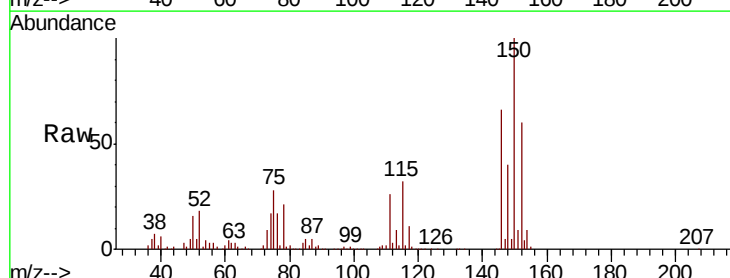
Tgt Ion:152 Resp: 244412

Ion Ratio Lower Upper

152 100

115 54.4 28.1 84.3

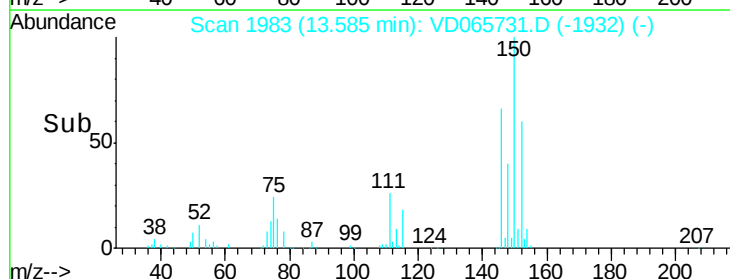
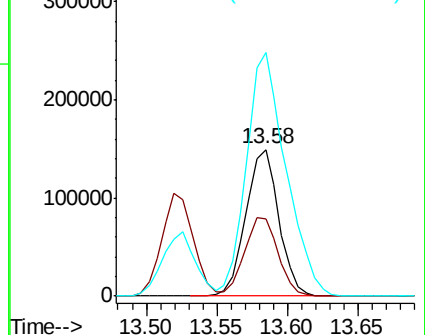
150 199.4 0.0 343.2

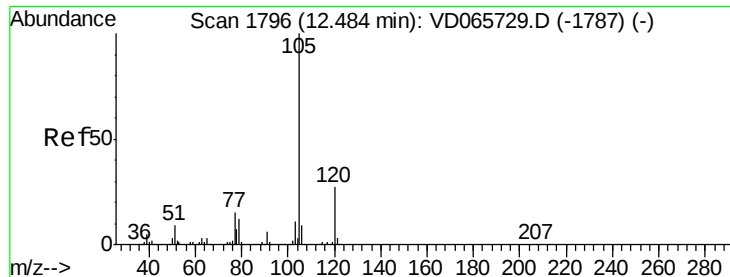


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 126.888 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

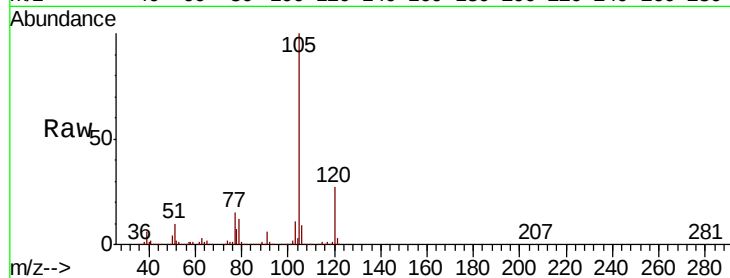
ClientSampleId :

Tot Ion:105 Resp: 2298892

Ion Ratio Lower Upper

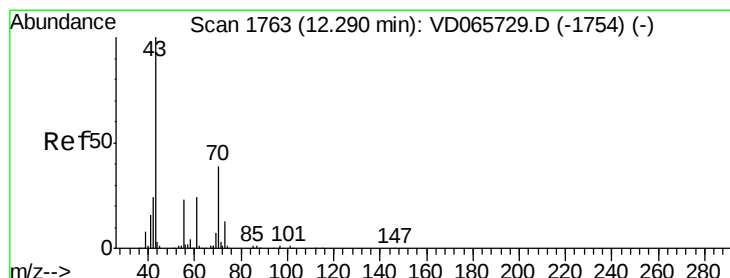
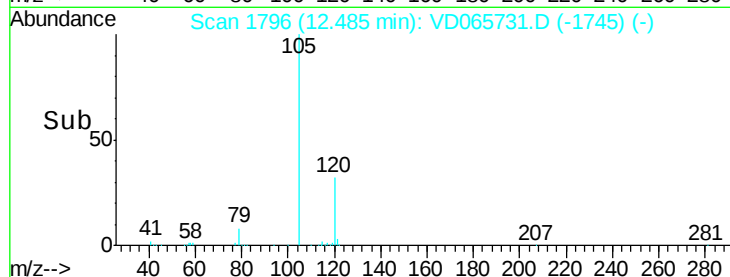
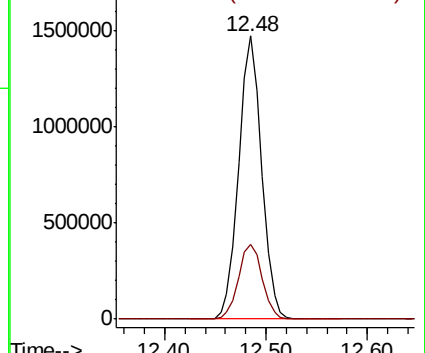
105 100

120 27.4 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 108.611 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Tgt Ion: 43 Resp: 546445

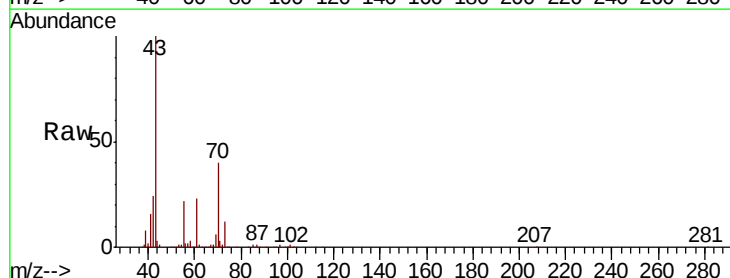
Ion Ratio Lower Upper

43 100

70 40.5 31.8 47.6

55 22.0 17.9 26.9

61 22.6 19.0 28.6

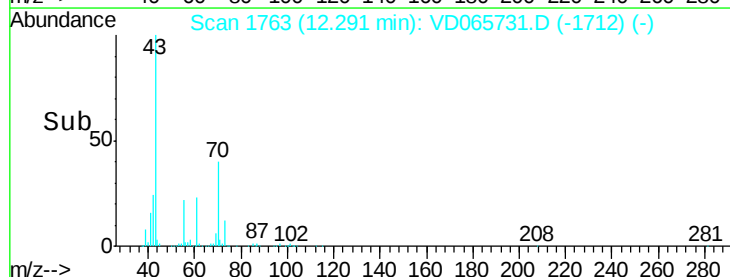
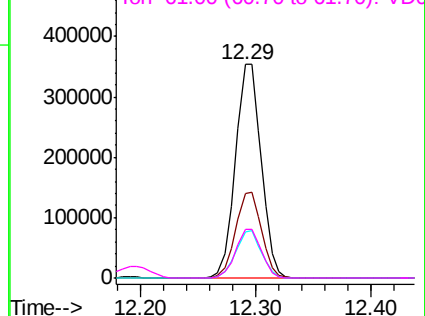


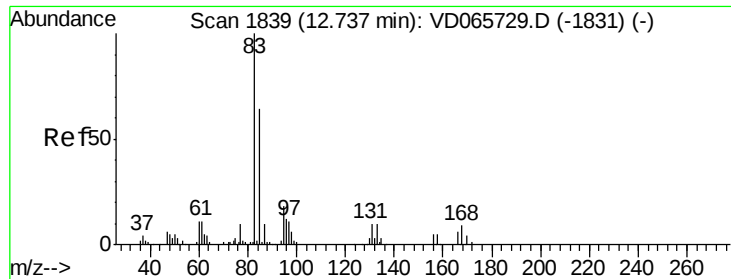
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 119.788 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

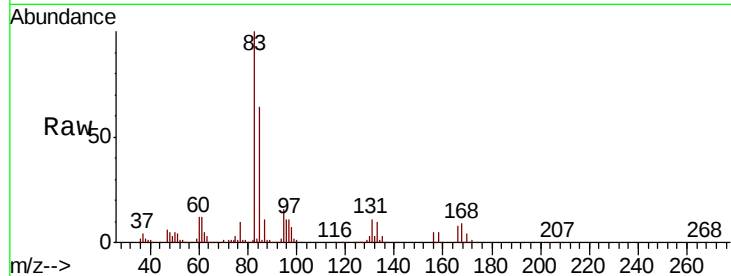
Tot Ion: 83 Resp: 360998

Ion Ratio Lower Upper

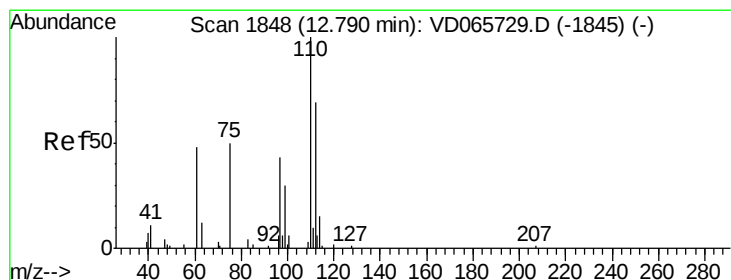
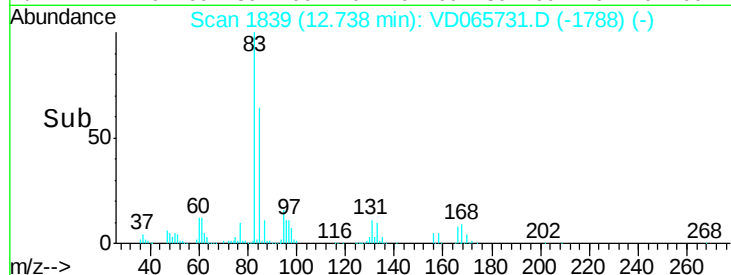
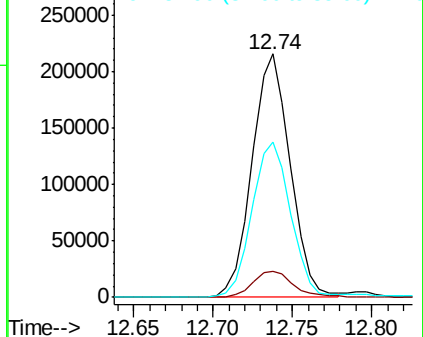
83 100

131 11.6 5.9 17.6

85 64.9 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: 239.667 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065731.D

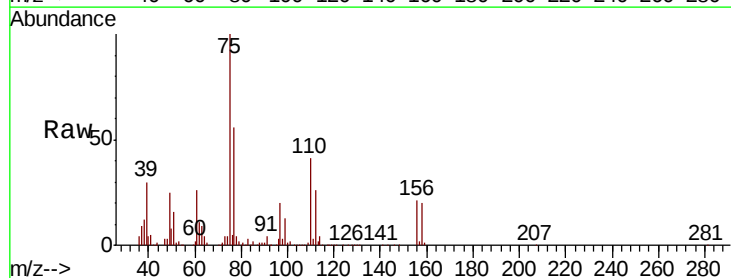
Acq: 13 May 2020 14:15

Tgt Ion: 75 Resp: 485966

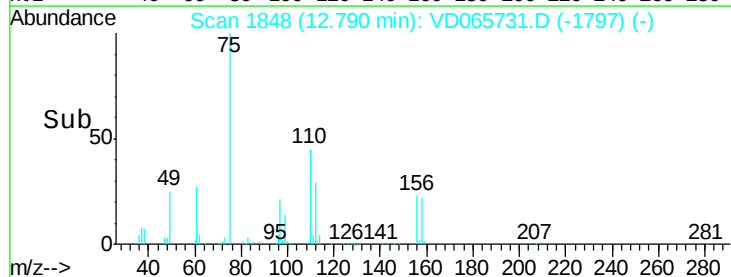
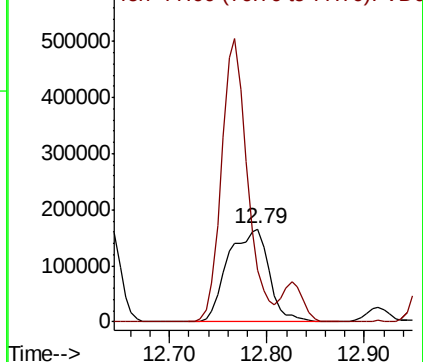
Ion Ratio Lower Upper

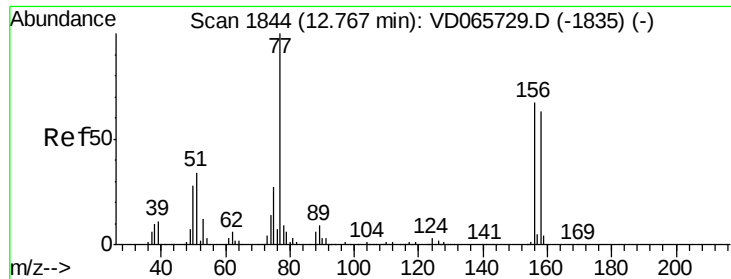
75 100

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: 133.616 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

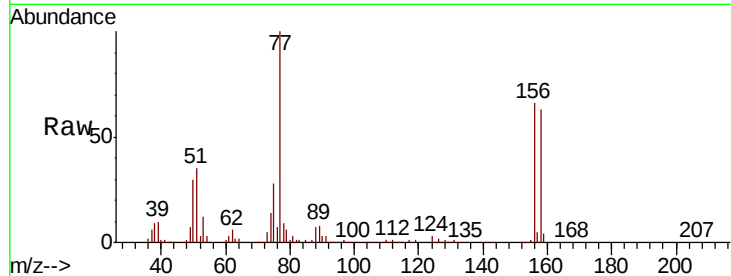
Tot Ion:156 Resp: 559528

Ion Ratio Lower Upper

156 100

77 167.3 84.9 254.6

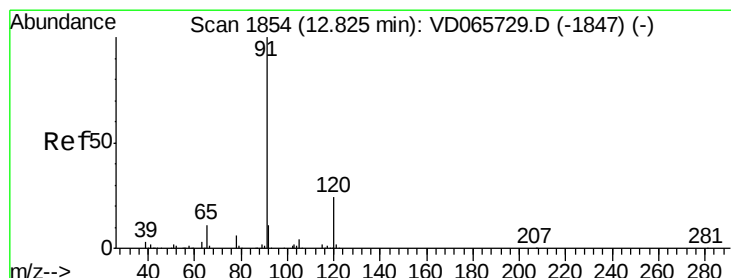
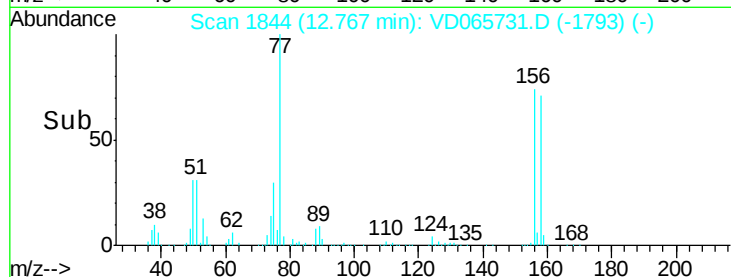
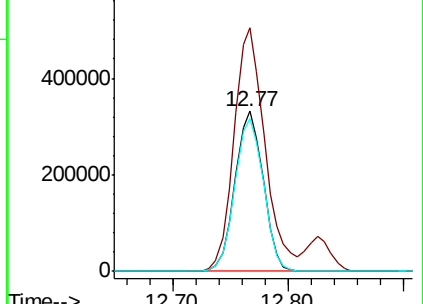
158 97.0 48.8 146.4



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: 126.276 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065731.D

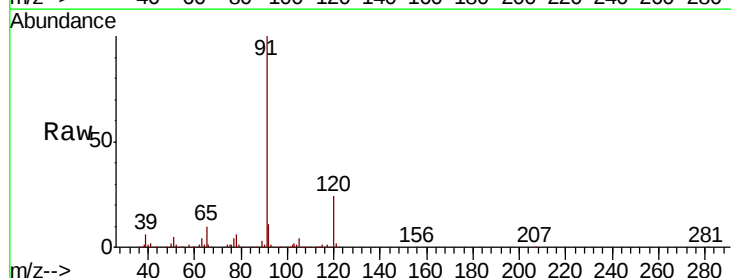
Acq: 13 May 2020 14:15

Tgt Ion: 91 Resp: 2686095

Ion Ratio Lower Upper

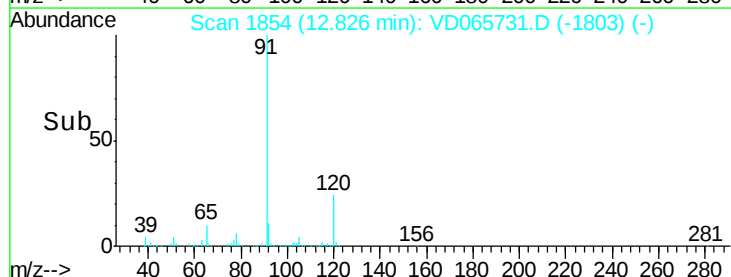
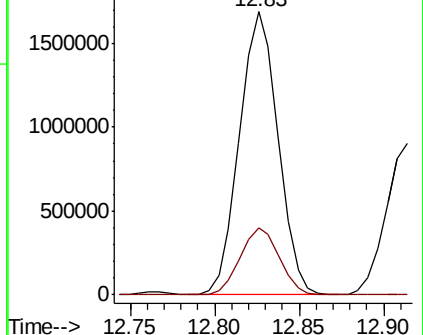
91 100

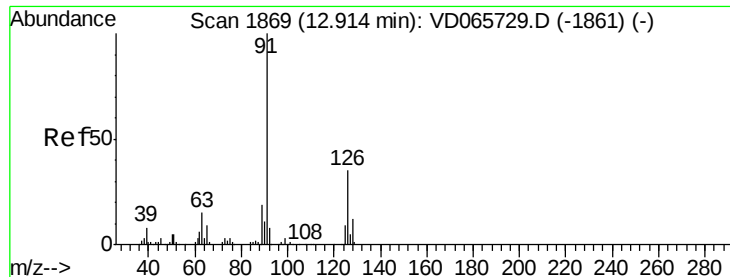
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

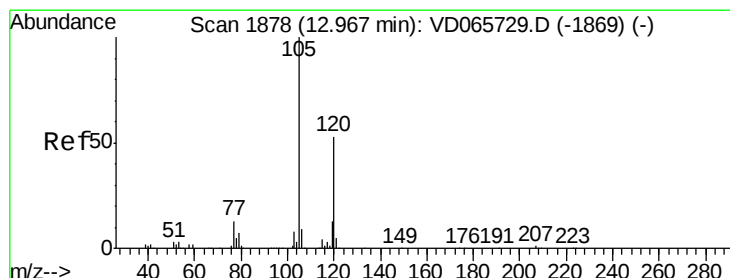
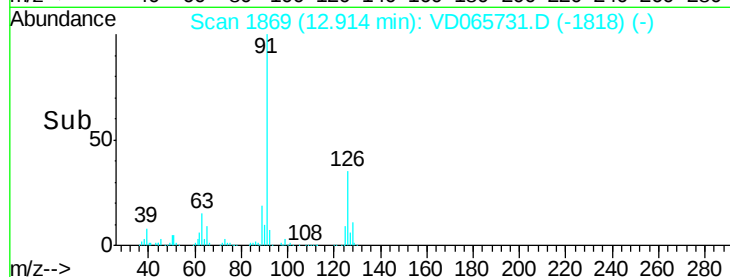
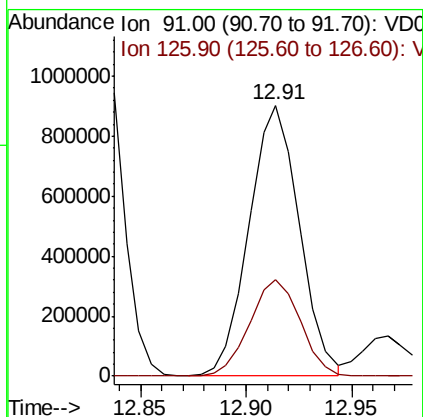
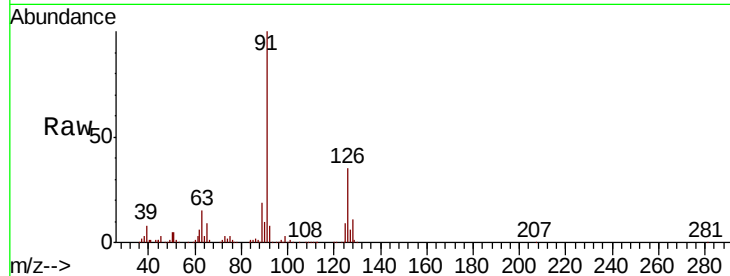




#79
 2-Chlorotoluene
 Concen: 124.392 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

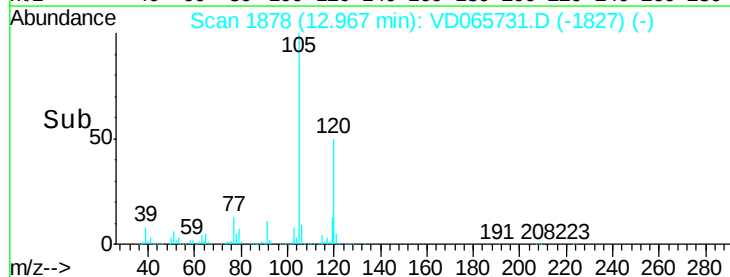
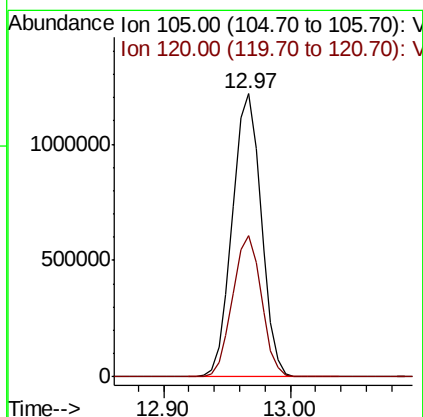
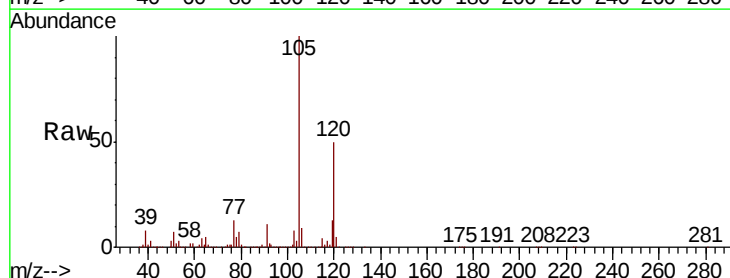
Instrument :
 MSVOA_D
 ClientSampled :

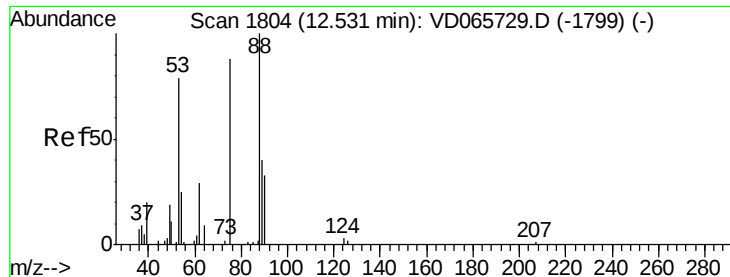
Tot Ion: 91 Resp: 1493098
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 129.053 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion:105 Resp: 1915213
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 115.518 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

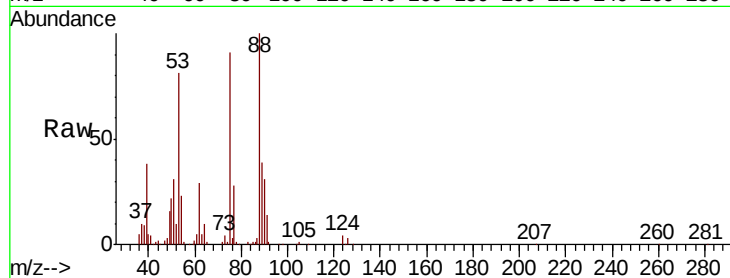
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 130080

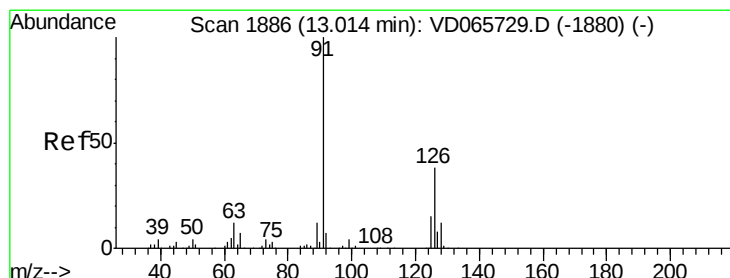
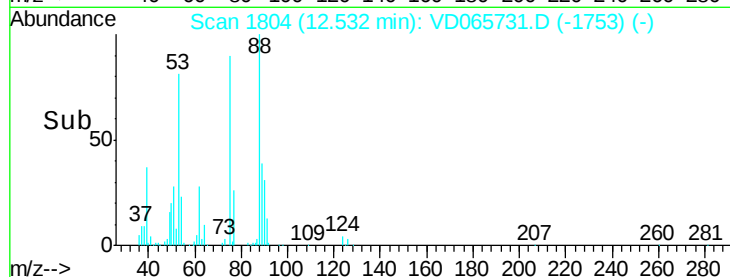
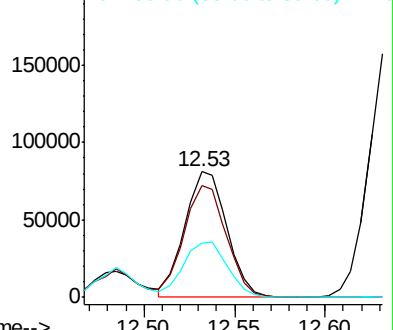
Ion	Ratio	Lower	Upper
75	100		
53	92.3	72.6	109.0
89	46.8	37.0	55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 124.015 ug/l

RT: 13.01 min Scan# 1886

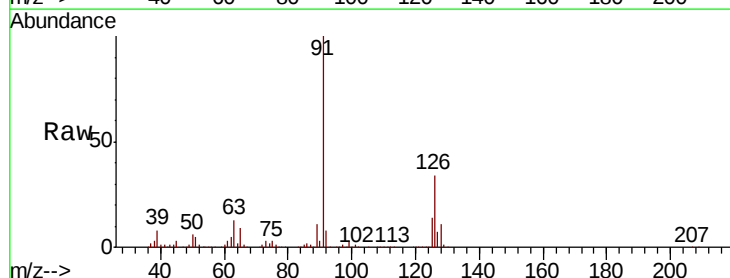
Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

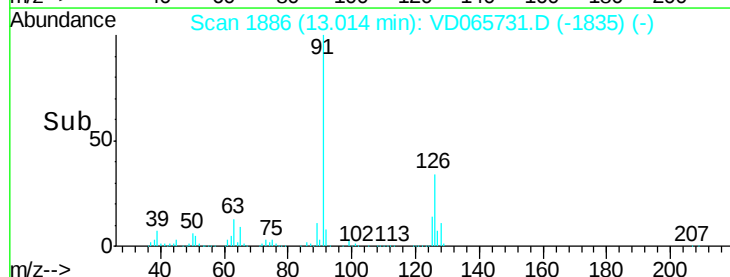
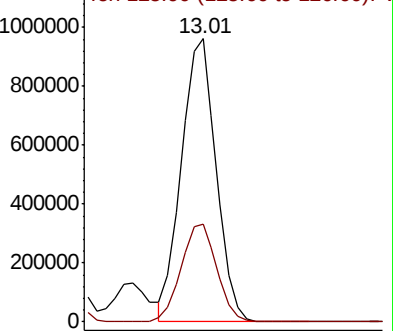
Tgt Ion: 91 Resp: 1559827

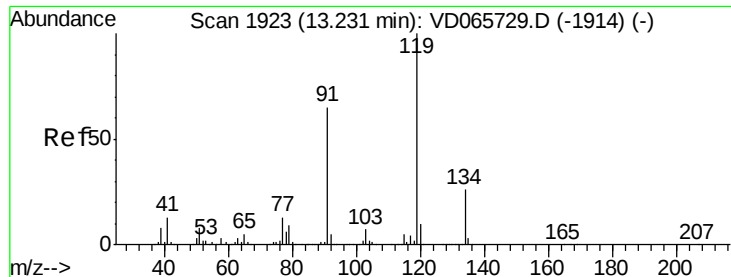
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

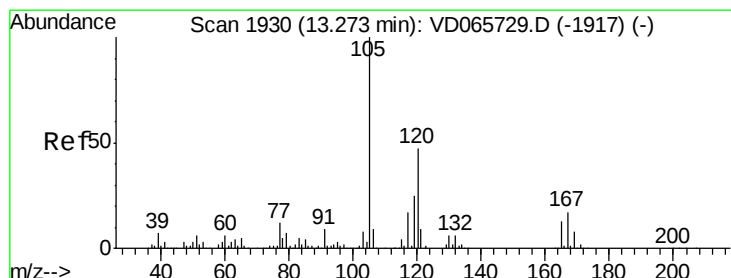
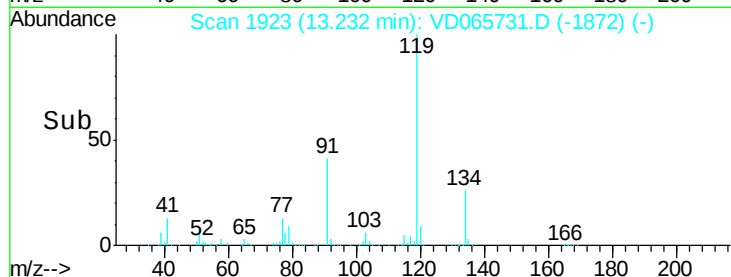
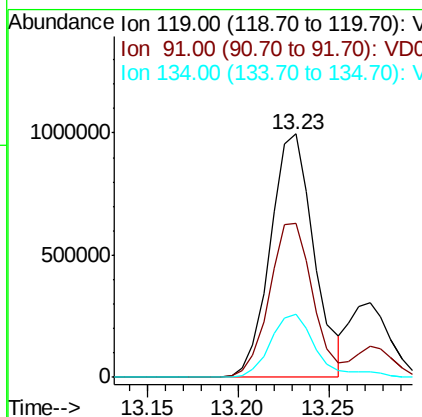
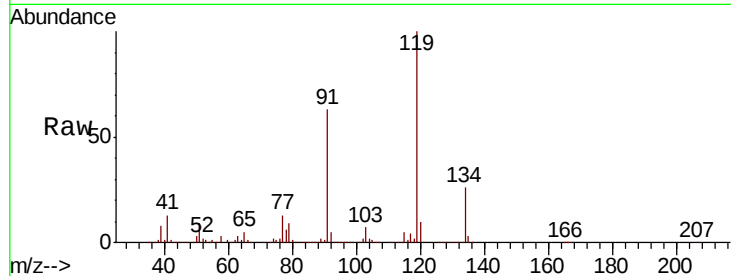




#83
tert-Butylbenzene
Concen: 131.207 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

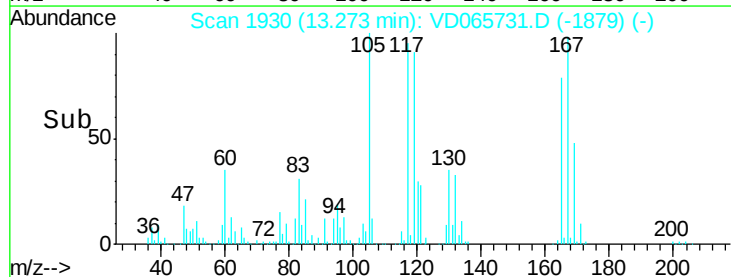
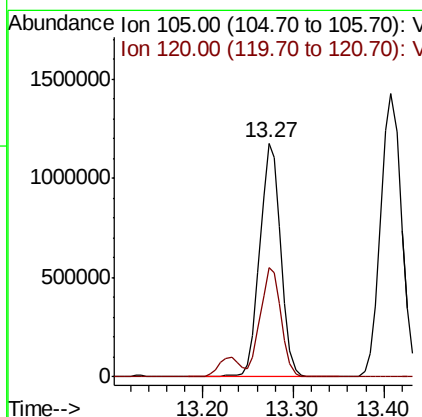
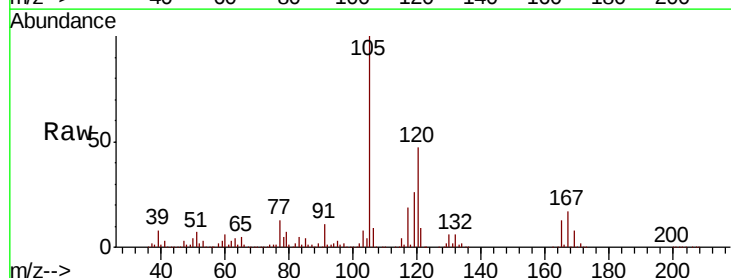
Instrument :
MSVOA_D
ClientSampleId :

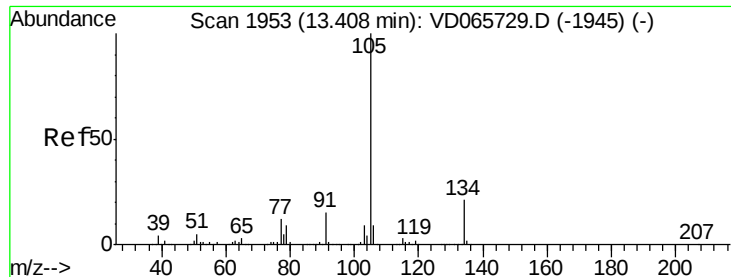
Tot Ion:119 Resp: 1669347
Ion Ratio Lower Upper
119 100
91 62.9 31.6 95.0
134 27.6 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 127.378 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion:105 Resp: 1885869
Ion Ratio Lower Upper
105 100
120 46.3 23.6 70.8





#85

sec-Butylbenzene

Concen: 128.393 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

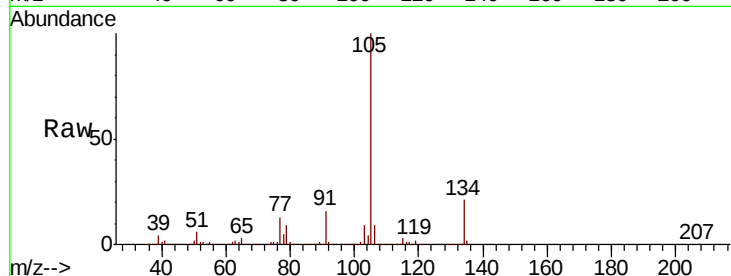
ClientSampled :

Tot Ion:105 Resp: 2274661

Ion Ratio Lower Upper

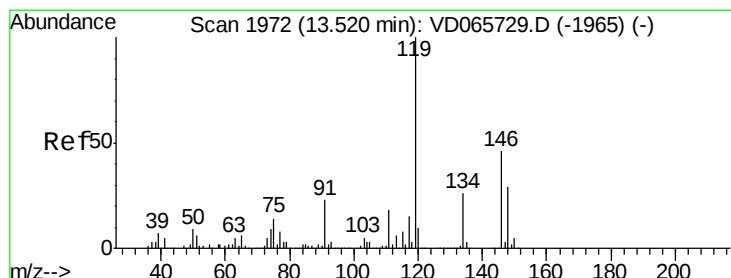
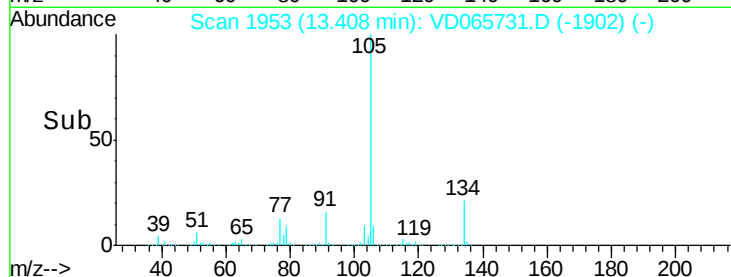
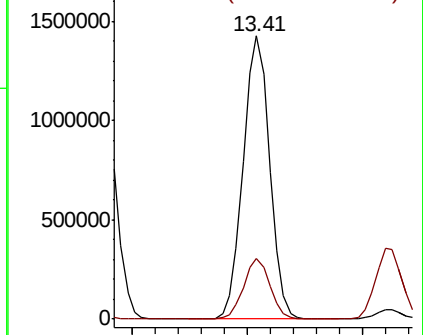
105 100

134 21.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 131.011 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

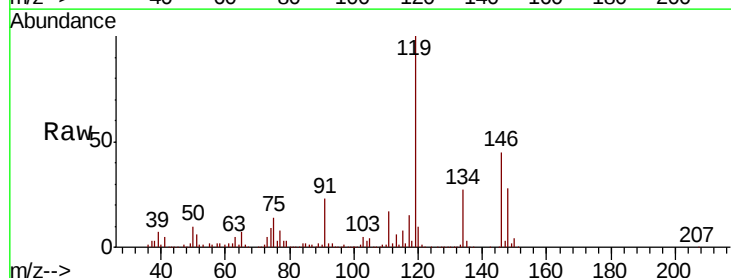
Tgt Ion:119 Resp: 2122322

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

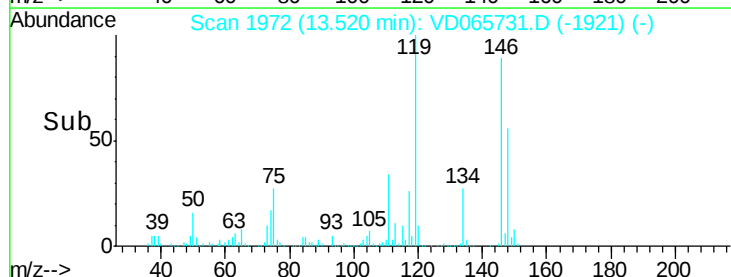
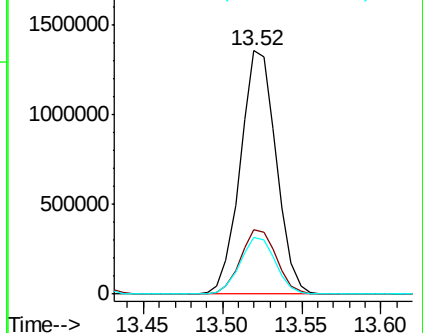
91 23.1 11.7 35.1

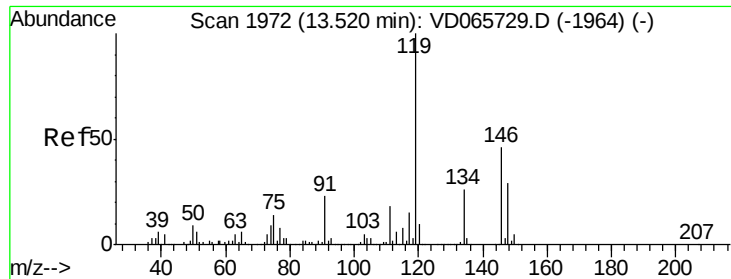


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

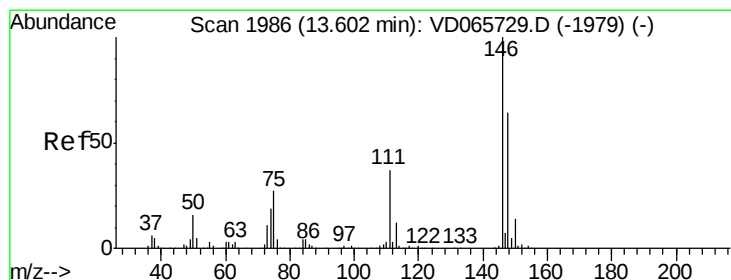
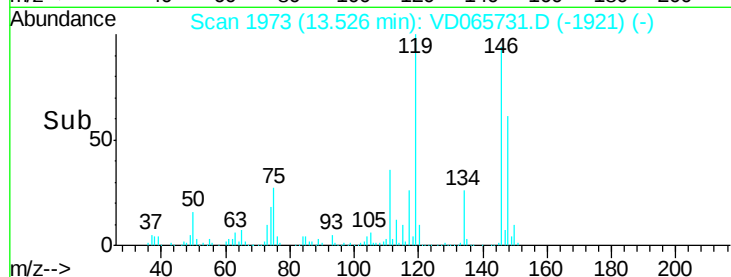
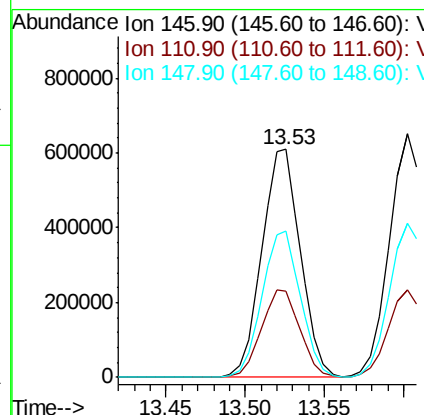
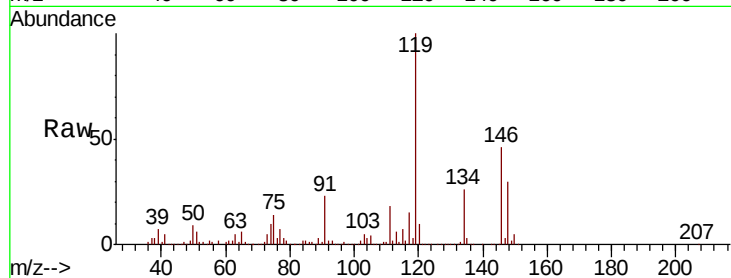




#87
 1,3-Dichlorobenzene
 Concen: 131.220 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

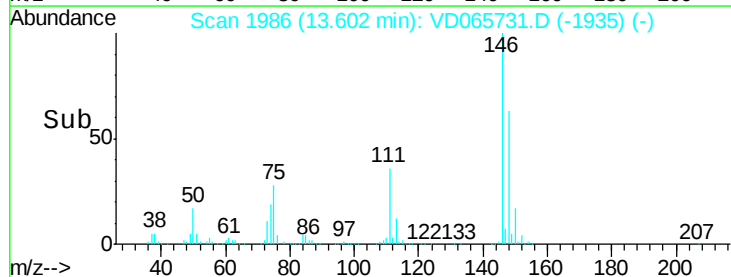
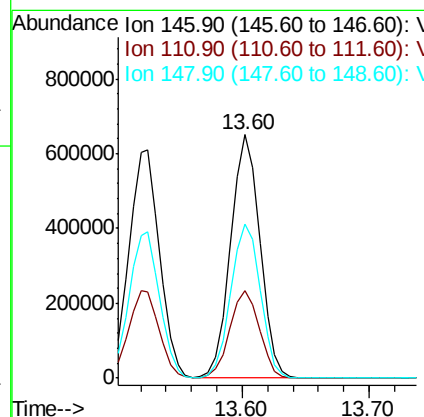
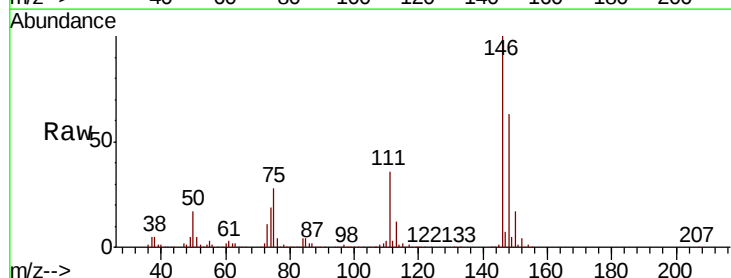
Instrument :
 MSVOA_D
 ClientSampleId :

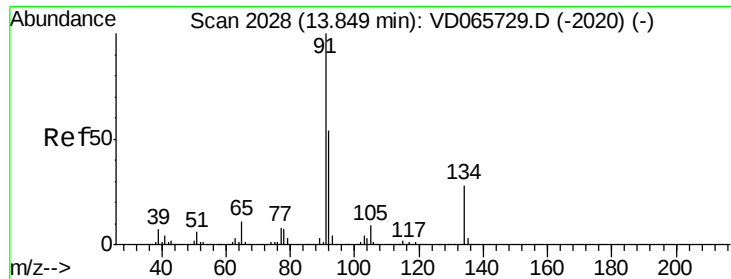
Tot Ion:146 Resp: 1030465
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.9
 148 64.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 133.841 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion:146 Resp: 1038984
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.2
 148 64.0 31.6 94.7

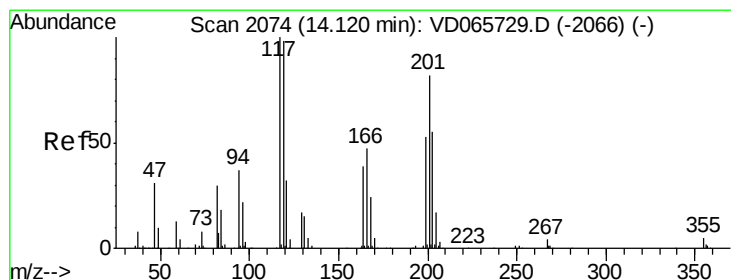
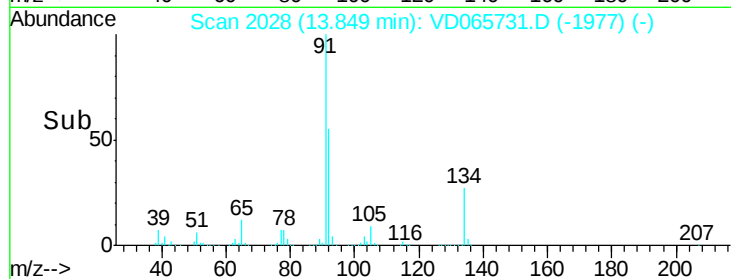
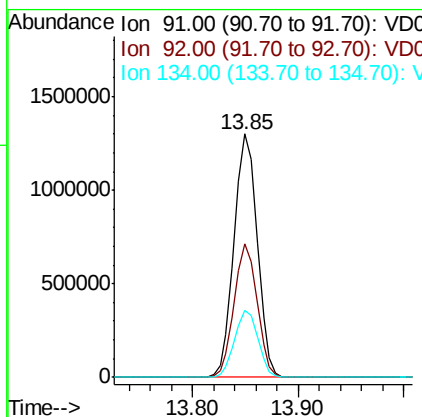
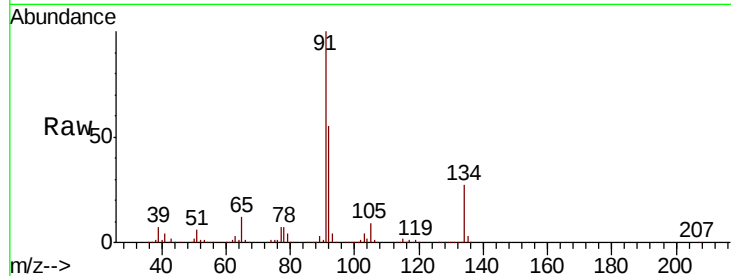




#89
n-Butylbenzene
Concen: 126.166 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

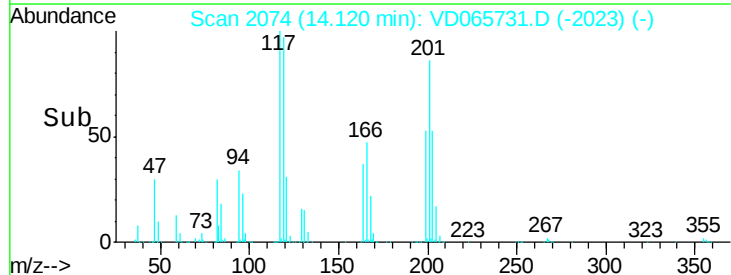
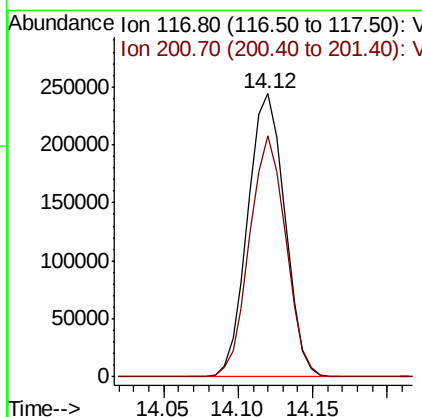
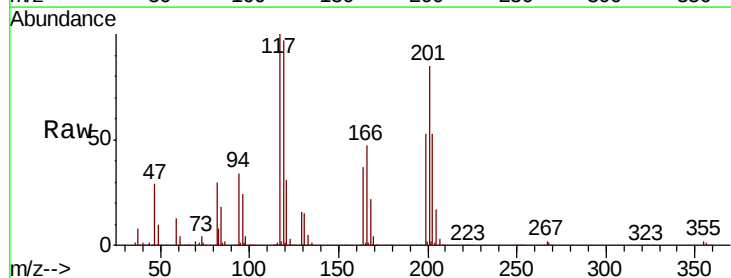
Instrument :
MSVOA_D
ClientSampleId :

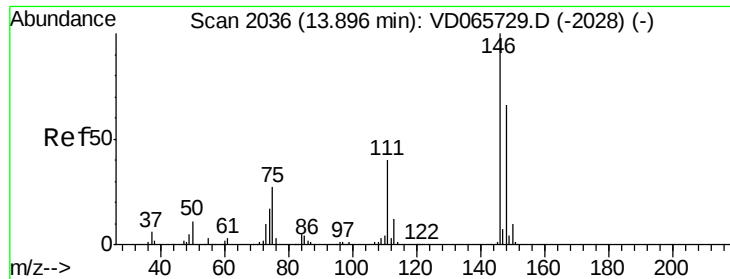
Tot Ion: 91 Resp: 1968700
Ion Ratio Lower Upper
91 100
92 54.5 27.0 81.0
134 27.7 13.9 41.7



#90
Hexachloroethane
Concen: 130.644 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065731.D
Acq: 13 May 2020 14:15

Tgt Ion: 117 Resp: 420168
Ion Ratio Lower Upper
117 100
201 83.3 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 135.736 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

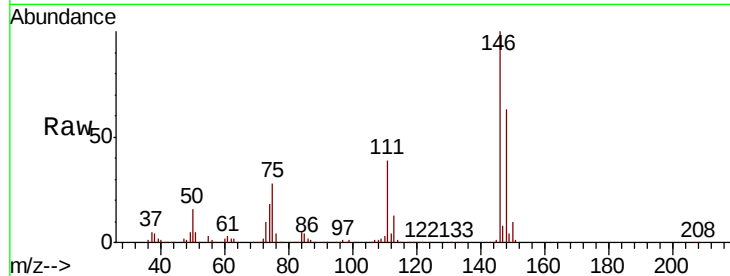
Tot Ion:146 Resp: 919407

Ion Ratio Lower Upper

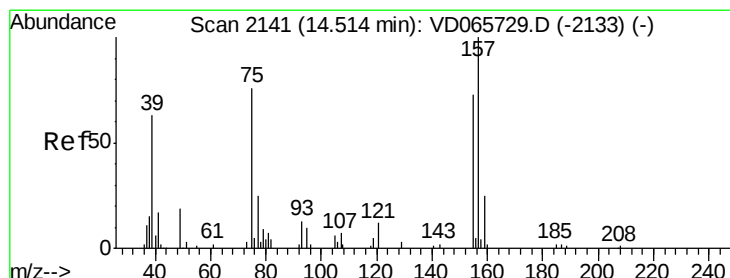
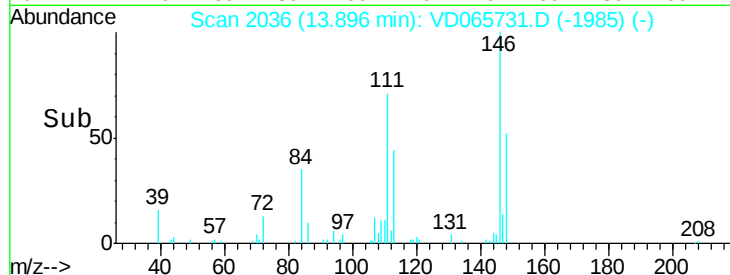
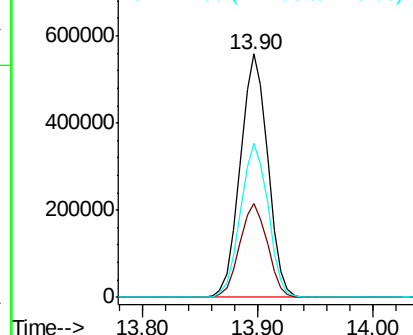
146 100

111 39.0 20.0 60.0

148 63.8 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: 119.690 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

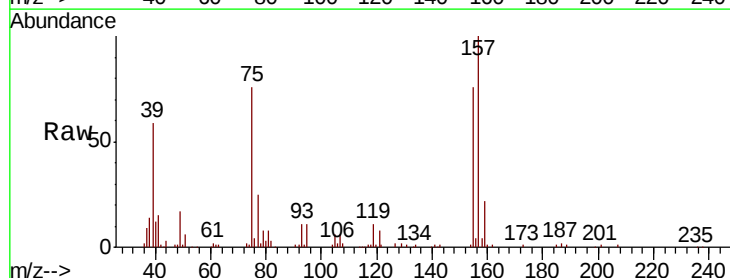
Tgt Ion: 75 Resp: 60042

Ion Ratio Lower Upper

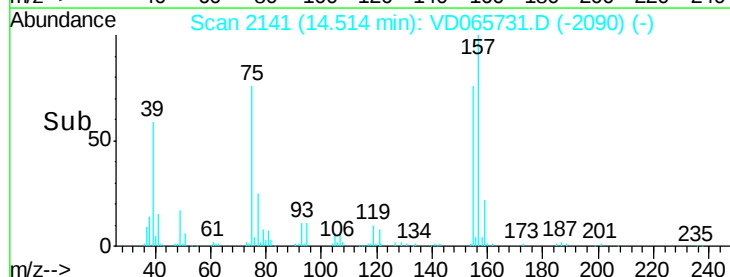
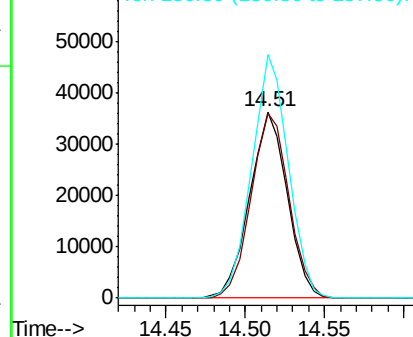
75 100

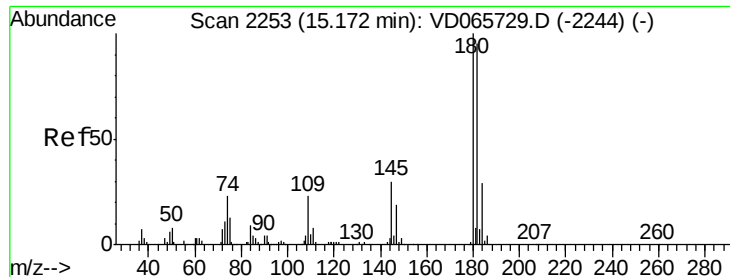
155 99.8 48.4 145.0

157 127.3 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

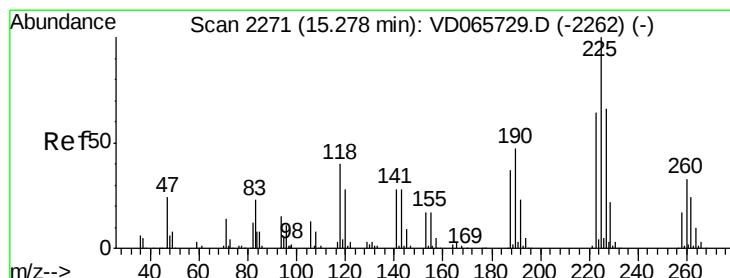
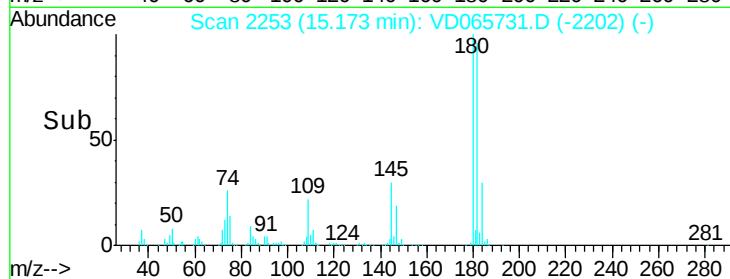
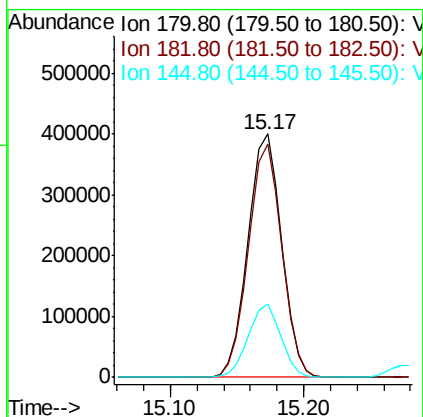
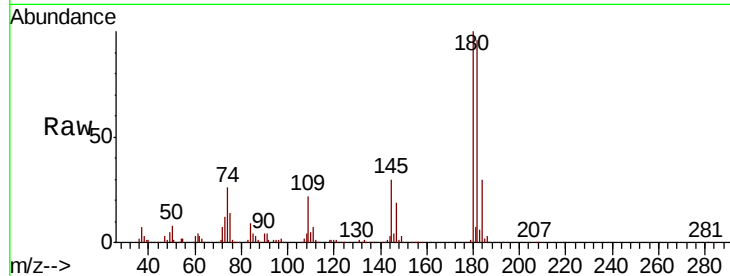




#93
 1,2,4-Trichlorobenzene
 Concen: 136.743 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

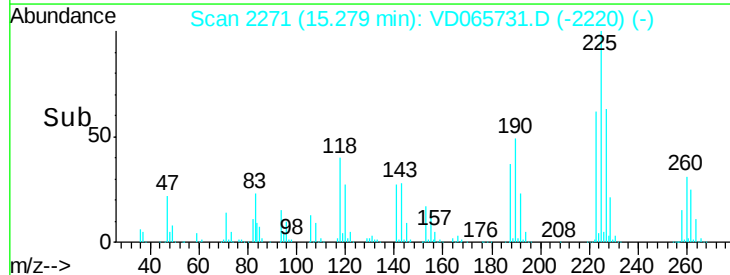
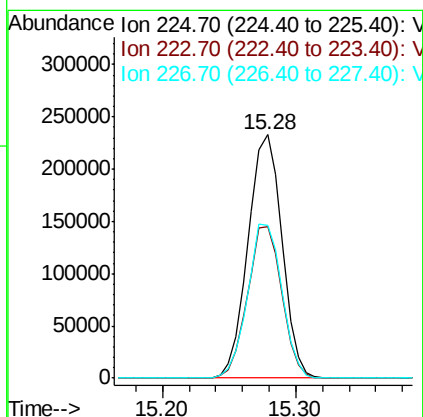
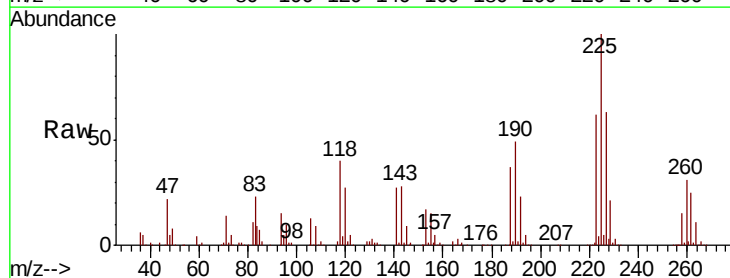
Instrument :
 MSVOA_D
 ClientSampled :

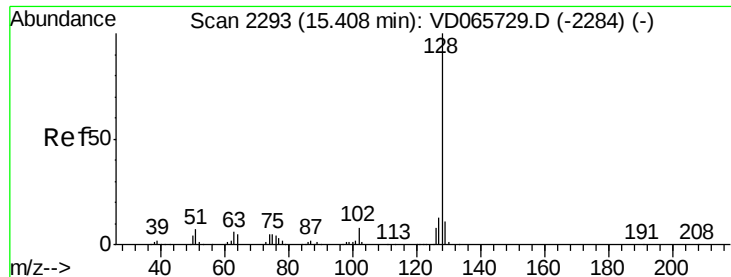
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	29.4	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 138.531 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065731.D
 Acq: 13 May 2020 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.2
227	63.9	32.2	96.6





#95

Naphthalene

Concen: 131.149 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

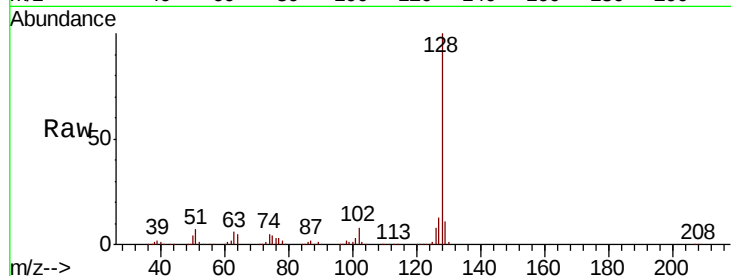
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 1162118

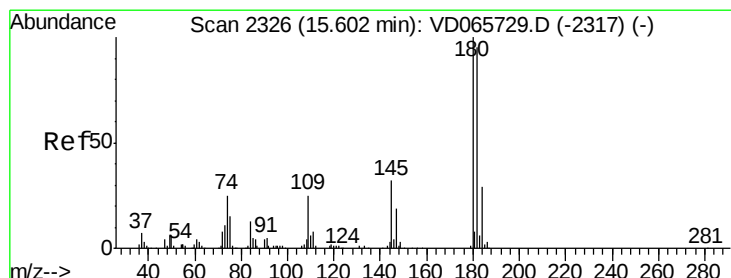
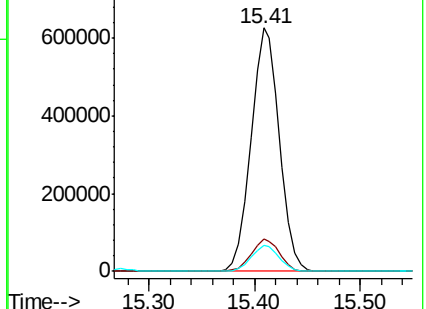
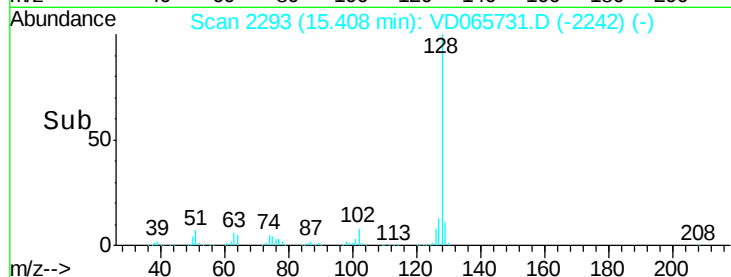
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.7	8.8	13.2



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: 138.387 ug/l

RT: 15.60 min Scan# 2326

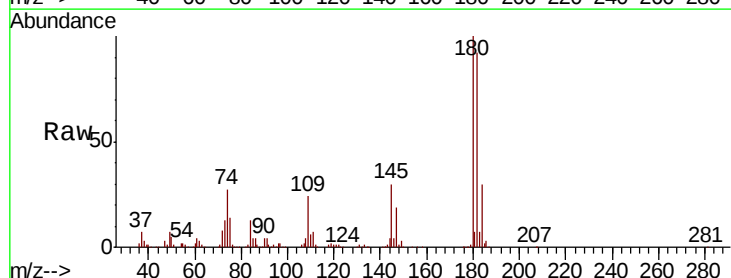
Delta R.T. 0.00 min

Lab File: VD065731.D

Acq: 13 May 2020 14:15

Tgt Ion:180 Resp: 598049

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	30.7	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

