

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065730.D
 Acq On : 13 May 2020 13:48
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 13 14:09:42 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	7.99	168	363293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	552034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	302111	86.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.50%	
35) Dibromofluoromethane	7.92	113	317827	94.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.76%	
50) Toluene-d8	10.34	98	1199778	93.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.54%	
62) 4-Bromofluorobenzene	12.64	95	400379	88.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	246169	88.704	ug/l	100
3) Chloromethane	2.21	50	332884	93.546	ug/l	99
4) Vinyl Chloride	2.35	62	378610	104.259	ug/l	100
5) Bromomethane	2.76	94	235824	102.030	ug/l	99
6) Chloroethane	2.92	64	245707	104.531	ug/l	100
7) Trichlorofluoromethane	3.27	101	517883	91.040	ug/l	97
8) Diethyl Ether	3.71	74	150982	85.497	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	316575	91.715	ug/l	99
10) Methyl Iodide	4.30	142	389856	114.296	ug/l	99
11) Tert butyl alcohol	5.23	59	109144	346.423	ug/l	100
12) 1,1-Dichloroethene	4.07	96	303413	89.615	ug/l	96
13) Acrolein	3.92	56	78130	279.819	ug/l	99
14) Allyl chloride	4.71	41	514715	77.690	ug/l	100
15) Acrylonitrile	5.43	53	330003	402.433	ug/l	99
16) Acetone	4.16	43	295512	402.394	ug/l	94
17) Carbon Disulfide	4.41	76	946844	85.943	ug/l	99
18) Methyl Acetate	4.71	43	142379	77.520	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	701201	86.549	ug/l	98
20) Methylene Chloride	4.97	84	318311	83.678	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	343566	88.494	ug/l	97
22) Diisopropyl ether	6.36	45	993888	80.805	ug/l	93
23) Vinyl Acetate	6.31	43	3006115	406.045	ug/l	100
24) 1,1-Dichloroethane	6.27	63	582344	85.420	ug/l	99
25) 2-Butanone	7.21	43	428379	392.071	ug/l	98
26) 2,2-Dichloropropane	7.21	77	528672	85.682	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	375615	89.428	ug/l	99
28) Bromochloromethane	7.55	49	253877	89.215	ug/l	99
29) Tetrahydrofuran	7.56	42	272582	386.256	ug/l	99
30) Chloroform	7.71	83	585014	88.625	ug/l	99
31) Cyclohexane	7.99	56	552940	78.520	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	547164	89.067	ug/l	98
36) 1,1-Dichloropropene	8.11	75	471494	88.226	ug/l	100
37) Ethyl Acetate	7.30	43	198246	78.687	ug/l	99
38) Carbon Tetrachloride	8.10	117	504809	94.289	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	604264	90.193	ug/l	99
40) Benzene	8.36	78	1308343	89.525	ug/l	99
41) Methacrylonitrile	7.53	41	114087	77.503	ug/l	94
42) 1,2-Dichloroethane	8.43	62	364400	86.892	ug/l	99
43) Isopropyl Acetate	8.46	43	406952	80.731	ug/l	99
44) Trichloroethene	9.11	130	386514	94.754	ug/l	100
45) 1,2-Dichloropropane	9.39	63	324964	86.670	ug/l	98
46) Dibromomethane	9.48	93	174022	91.686	ug/l	99
47) Bromodichloromethane	9.67	83	460153	90.650	ug/l	97
48) Methyl methacrylate	9.46	41	196709	78.102	ug/l	98
49) 1,4-Dioxane	9.46	88	40290	1747.259	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	972229	400.037	ug/l	100
52) Toluene	10.41	92	854856	91.985	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	452222	88.575	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	531022	87.814	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	240335	93.958	ug/l	95
56) Ethyl methacrylate	10.66	69	312199	85.477	ug/l	99
57) 1,3-Dichloropropane	10.95	76	409598	89.381	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	698915	413.509	ug/l	99
59) 2-Hexanone	10.99	43	660583	396.722	ug/l	98
60) Dibromochloromethane	11.14	129	326235	94.185	ug/l	99
61) 1,2-Dibromoethane	11.25	107	238886	92.801	ug/l	99
64) Tetrachloroethene	10.88	164	326438	95.823	ug/l	97
65) Chlorobenzene	11.67	112	903547	93.981	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	341538	95.433	ug/l	99
67) Ethyl Benzene	11.75	91	1639850	92.030	ug/l	96
68) m/p-Xylenes	11.86	106	1242415	186.300	ug/l	100
69) o-Xylene	12.18	106	577506	92.767	ug/l	96
70) Styrene	12.20	104	996723	93.333	ug/l	99
71) Bromoform	12.37	173	196825	97.613	ug/l #	99
73) Isopropylbenzene	12.48	105	1598302	91.855	ug/l	100
74) N-amyl acetate	12.30	43	376552	77.929	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	252757	87.328	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	336908	173.005	ug/l #	100
77) Bromobenzene	12.77	156	382000	94.983	ug/l	99
78) n-propylbenzene	12.83	91	1853051	90.705	ug/l	100
79) 2-Chlorotoluene	12.91	91	1019649	88.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1304250	91.508	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	92793	85.802	ug/l	98
82) 4-Chlorotoluene	13.01	91	1064074	88.088	ug/l	99
83) tert-Butylbenzene	13.23	119	1157747	94.748	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1291025	90.795	ug/l	99
85) sec-Butylbenzene	13.41	105	1590896	93.500	ug/l	99
86) p-Isopropyltoluene	13.53	119	1462197	93.983	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	708283	93.912	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	699227	93.787	ug/l	99
89) n-Butylbenzene	13.85	91	1360504	90.784	ug/l	99
90) Hexachloroethane	14.12	117	289695	93.789	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	616948	94.837	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	41655	86.460	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed May 13 13:42:35 2020
Response via : Initial Calibration

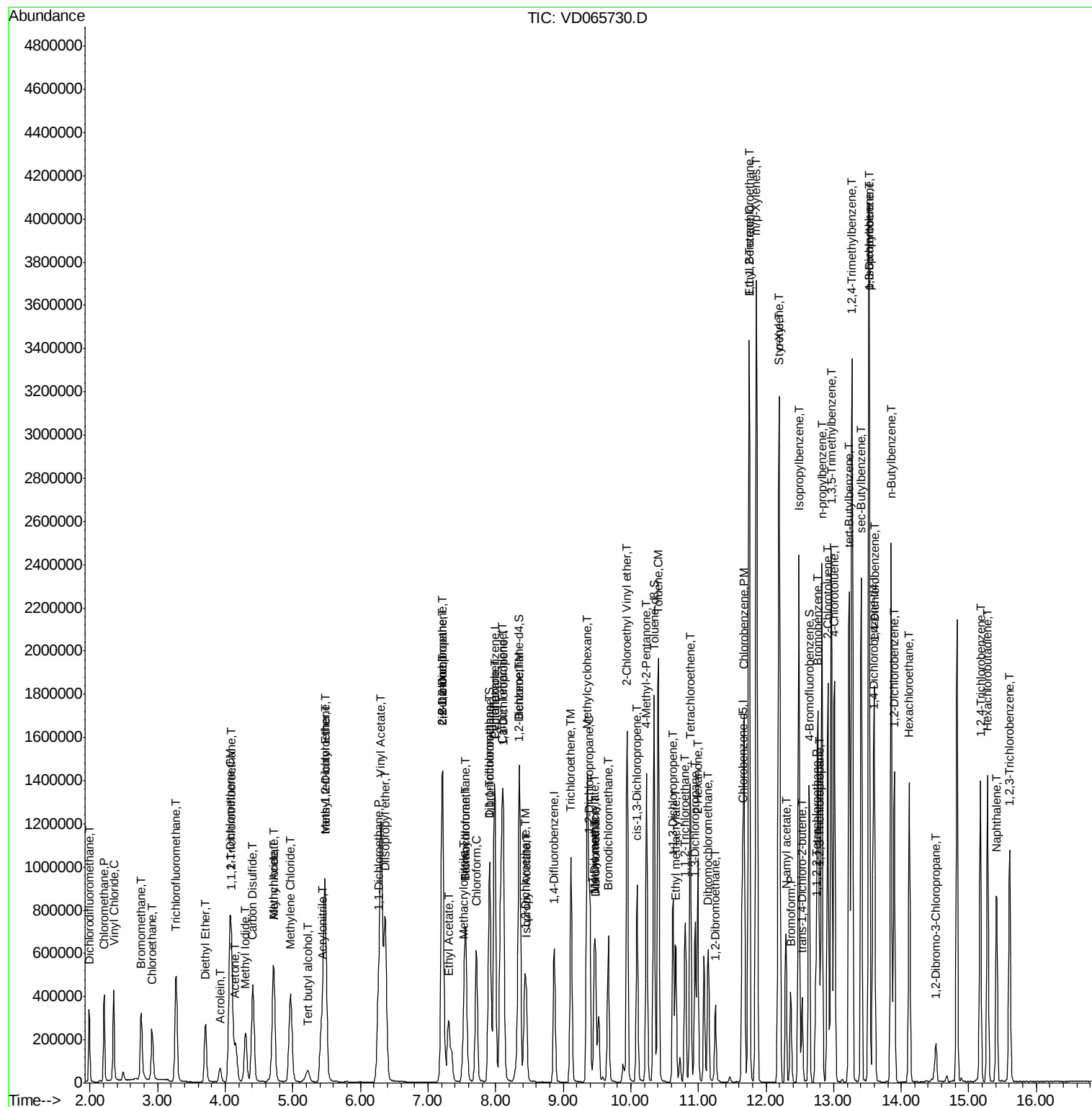
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	470771	96.468	ug/l	98
94) Hexachlorobutadiene	15.28	225	287184	101.201	ug/l	99
95) Naphthalene	15.41	128	799261	93.918	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	402407	96.955	ug/l	100

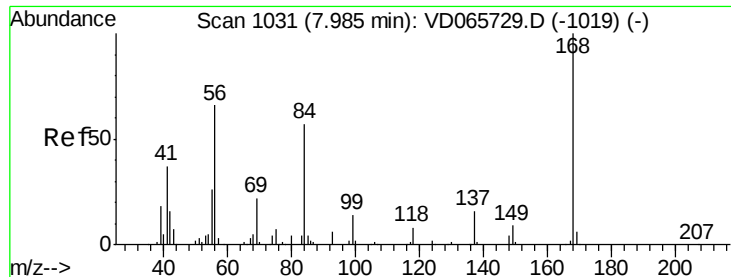
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

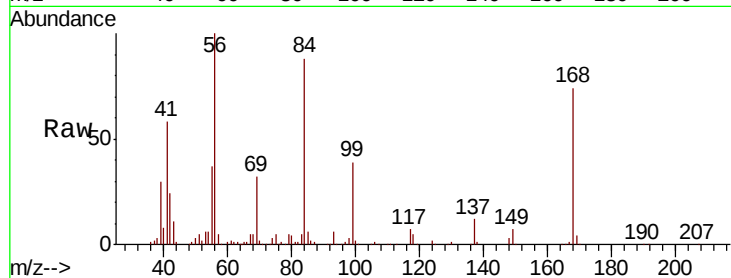
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 363293

Ion Ratio Lower Upper

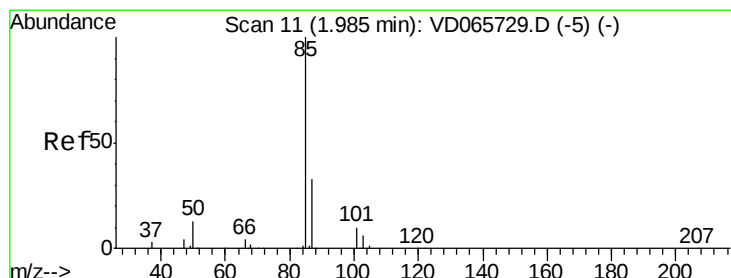
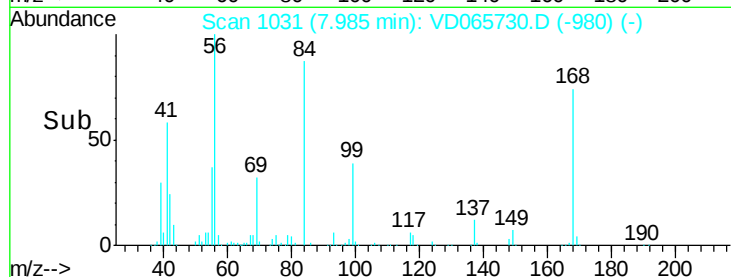
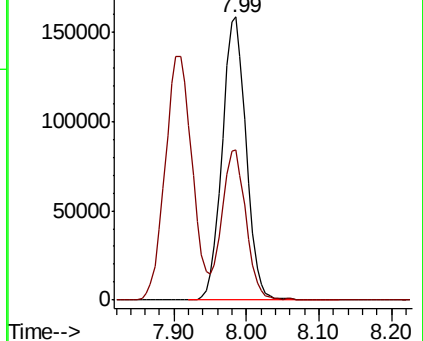
168 100

99 52.9 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: 88.704 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065730.D

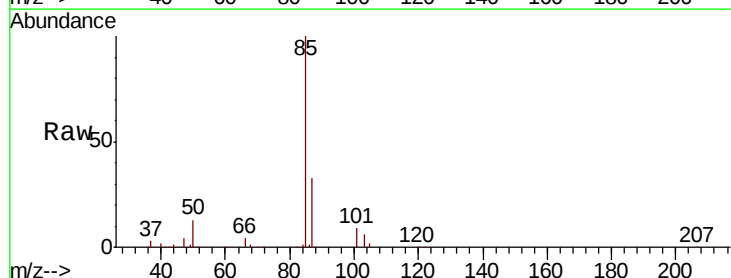
Acq: 13 May 2020 13:48

Tgt Ion: 85 Resp: 246169

Ion Ratio Lower Upper

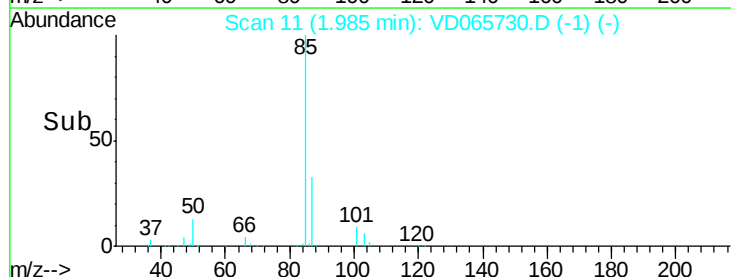
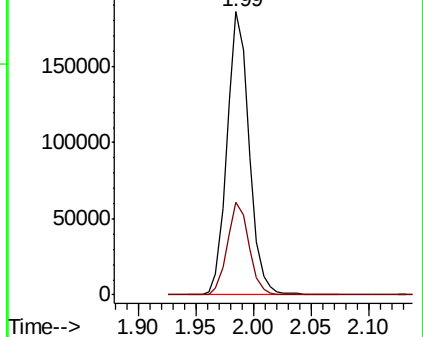
85 100

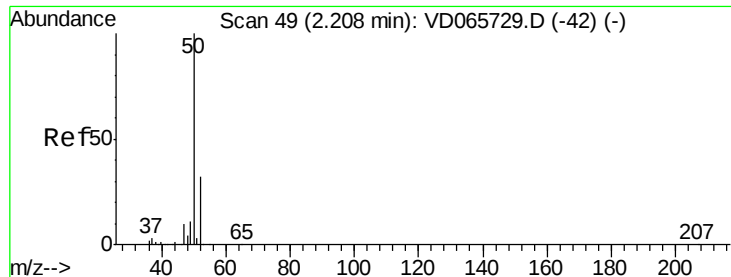
87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 93.546 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

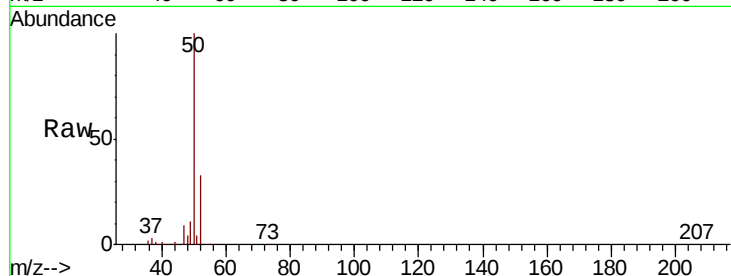
ClientSampleId :

Tot Ion: 50 Resp: 332884

Ion Ratio Lower Upper

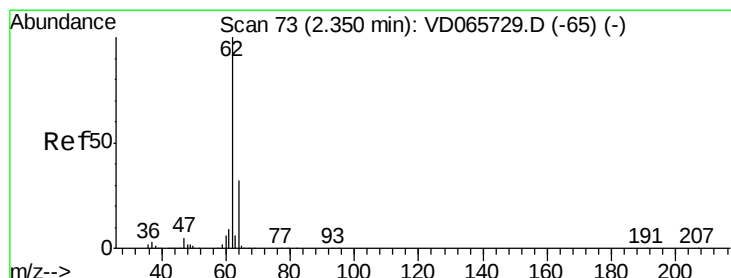
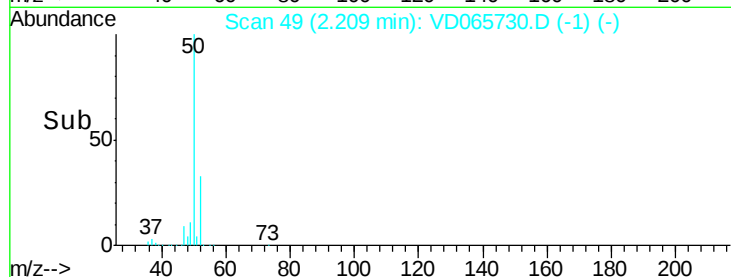
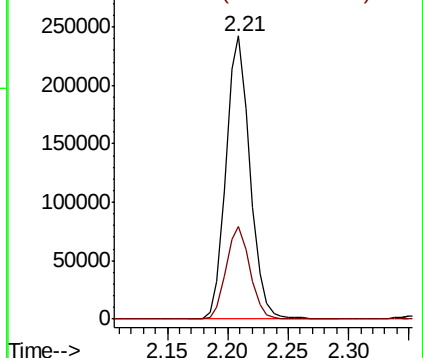
50 100

52 32.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 104.259 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065730.D

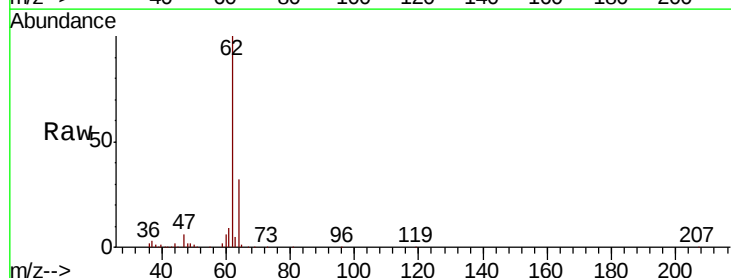
Acq: 13 May 2020 13:48

Tgt Ion: 62 Resp: 378610

Ion Ratio Lower Upper

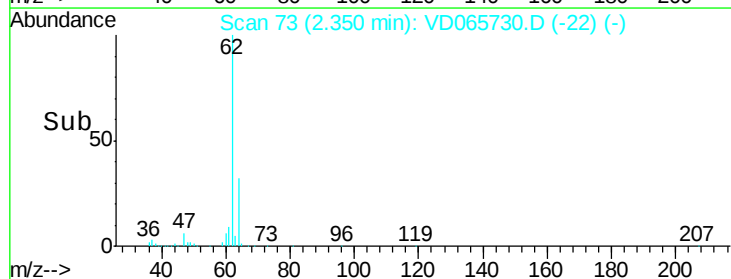
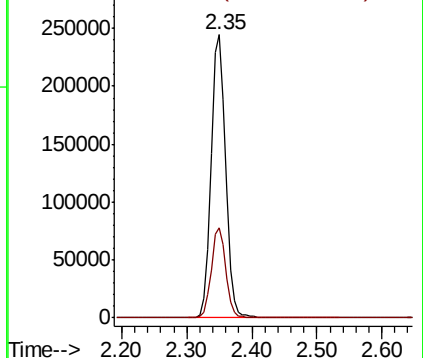
62 100

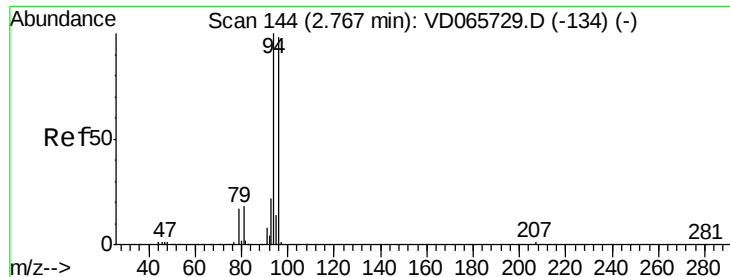
64 32.0 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 102.030 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

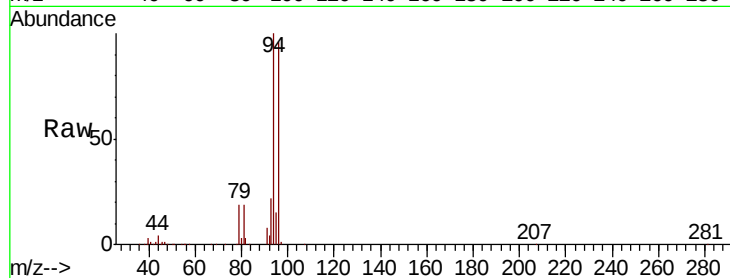
ClientSampleId :

Tot Ion: 94 Resp: 235824

Ion Ratio Lower Upper

94 100

96 96.1 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

120000

100000

80000

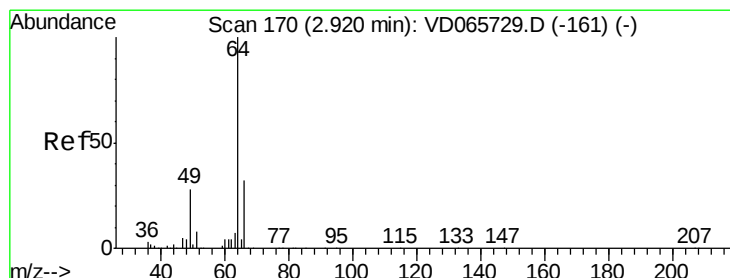
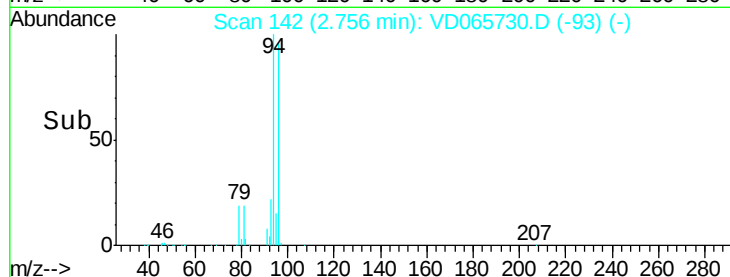
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 104.531 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065730.D

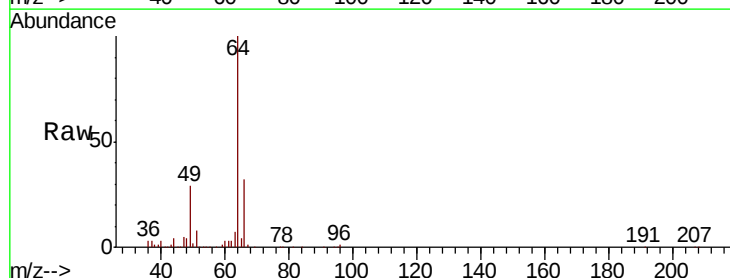
Acq: 13 May 2020 13:48

Tgt Ion: 64 Resp: 245707

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

120000

100000

80000

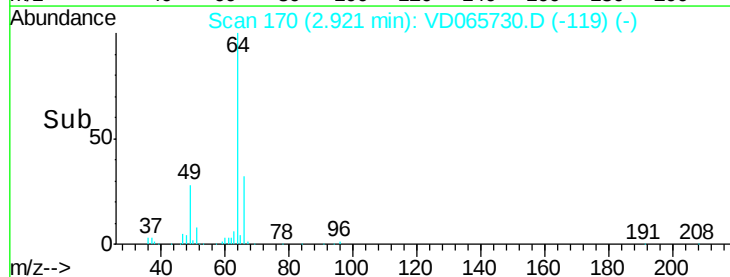
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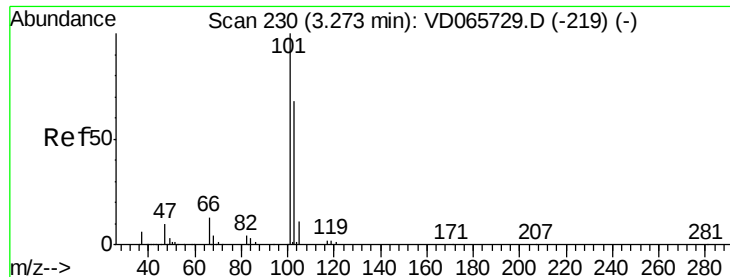
40000

20000

0

Time-->



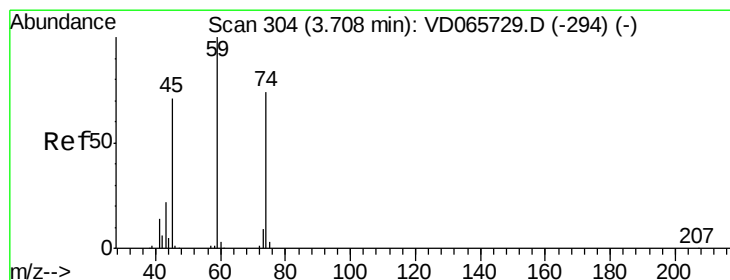
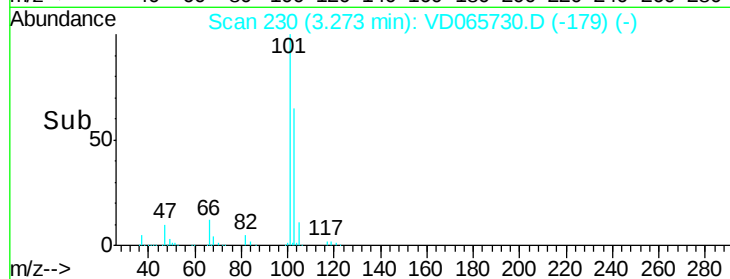
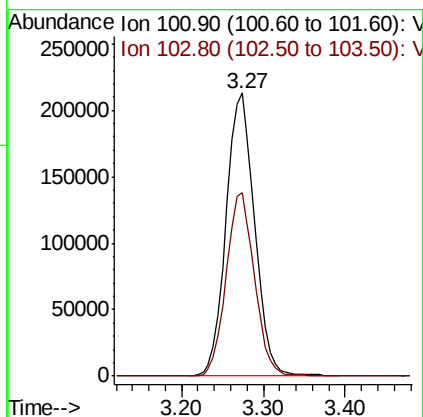
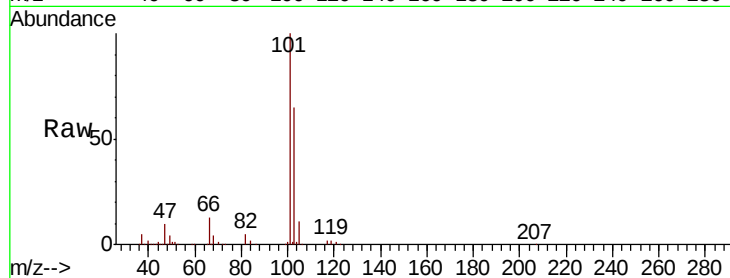


#7

Trichlorofluoromethane
Concen: 91.040 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Instrument :
MSVOA_D
ClientSampleId :

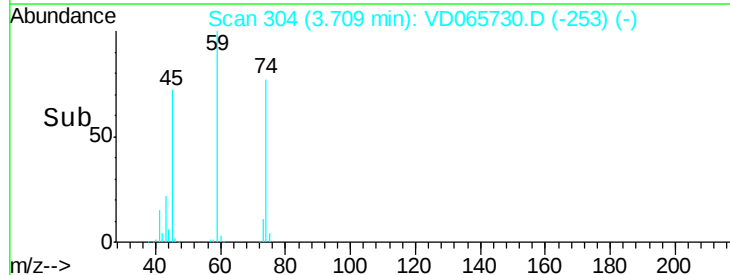
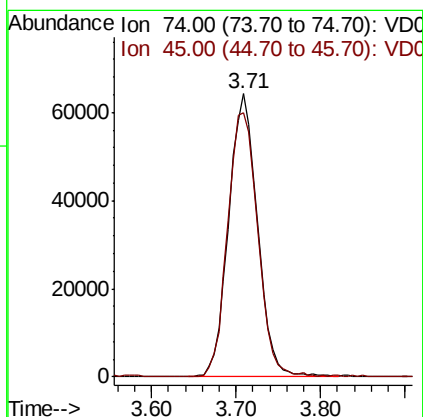
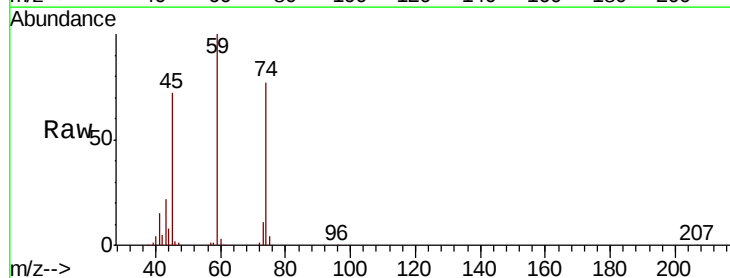
Tot Ion:101 Resp: 517883
Ion Ratio Lower Upper
101 100
103 65.0 54.1 81.1

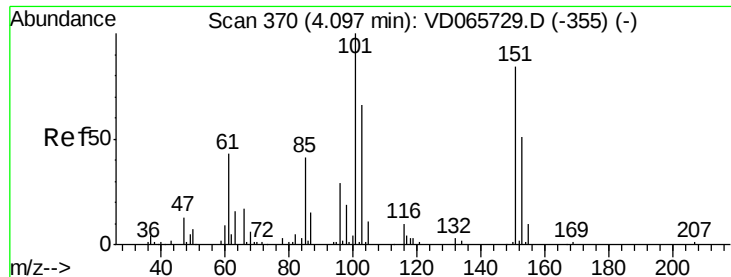


#8

Diethyl Ether
Concen: 85.497 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 74 Resp: 150982
Ion Ratio Lower Upper
74 100
45 98.1 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.715 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

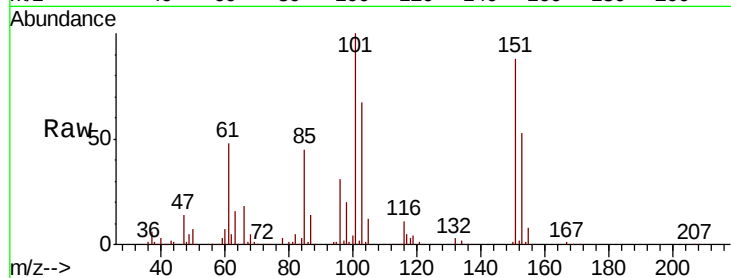
Tot Ion:101 Resp: 316575

Ion Ratio Lower Upper

101 100

85 43.1 34.1 51.1

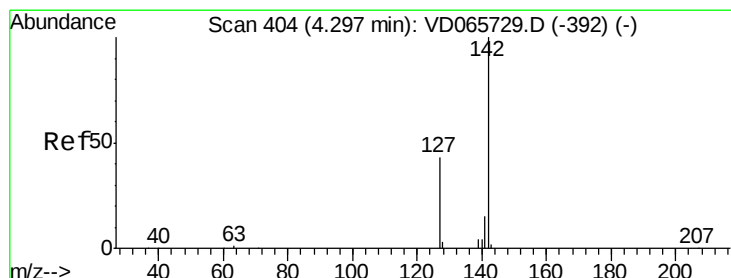
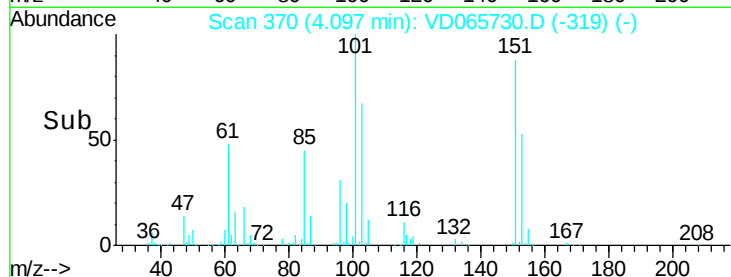
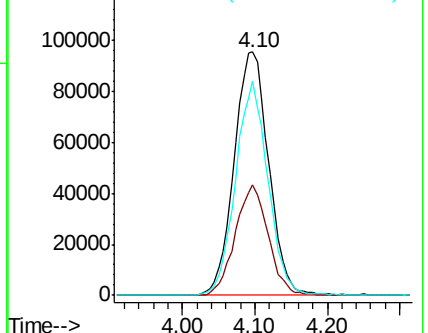
151 82.6 65.1 97.7



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: 114.296 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

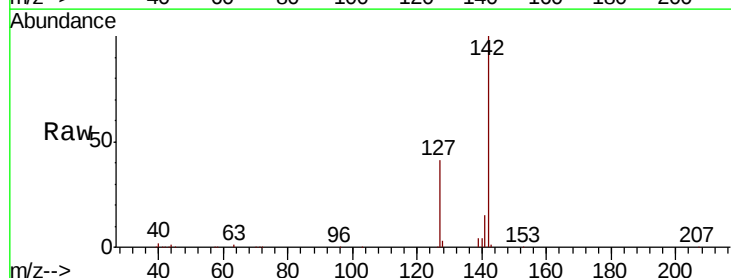
Tgt Ion:142 Resp: 389856

Ion Ratio Lower Upper

142 100

127 42.0 34.2 51.4

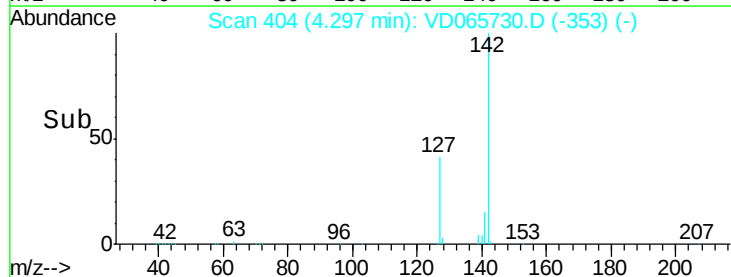
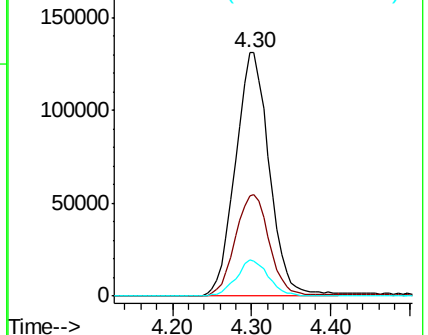
141 14.3 11.7 17.5

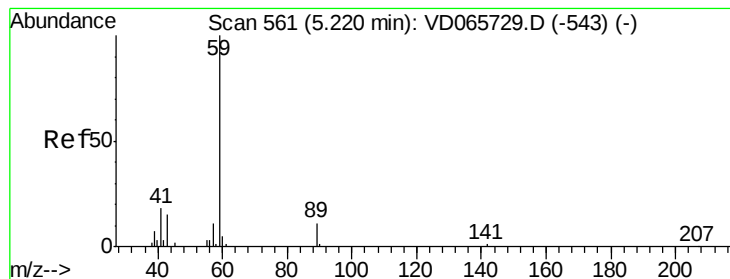


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



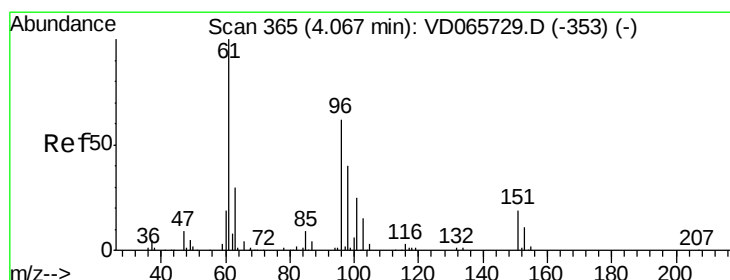
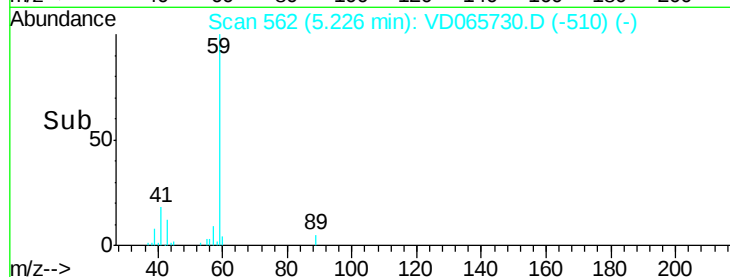
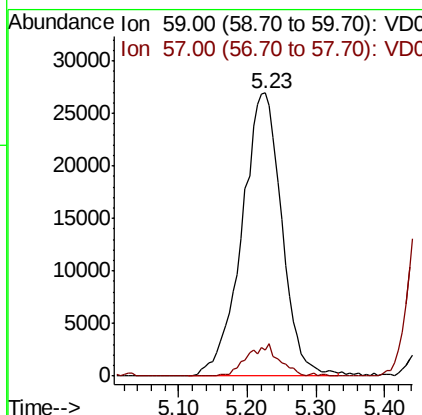
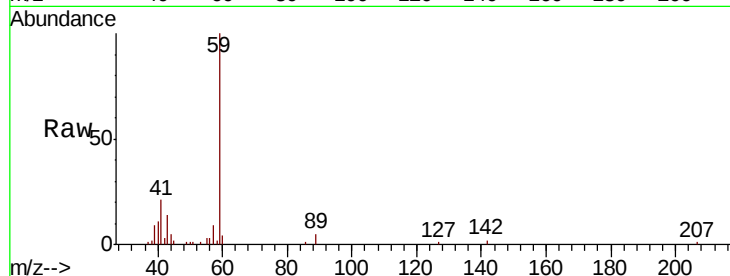


#11

Tert butyl alcohol
 Concen: 346.423 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Instrument :
 MSVOA_D
 ClientSampleId :

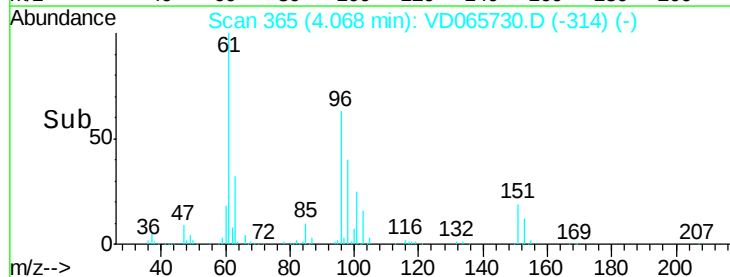
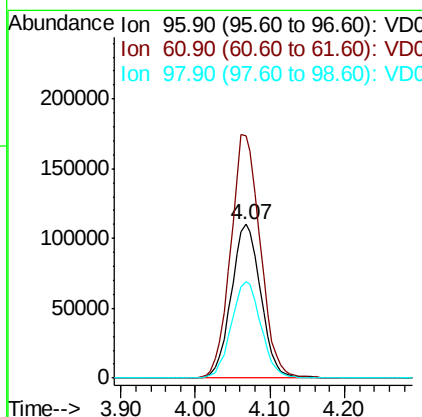
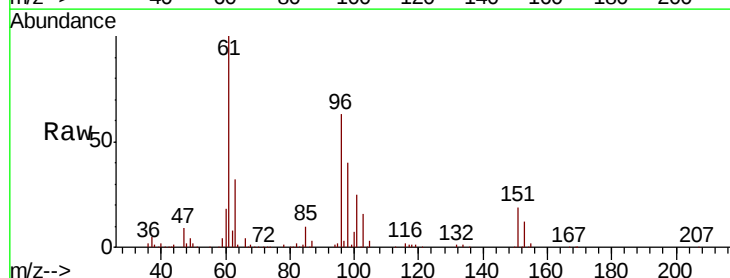
Tot Ion: 59 Resp: 109144
 Ion Ratio Lower Upper
 59 100
 57 9.1 7.4 11.0

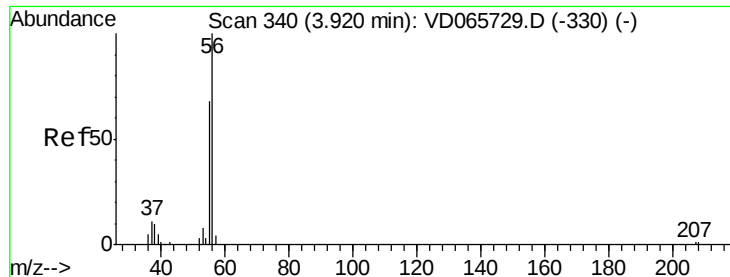


#12

1,1-Dichloroethene
 Concen: 89.615 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion: 96 Resp: 303413
 Ion Ratio Lower Upper
 96 100
 61 157.6 130.0 195.0
 98 62.5 52.3 78.5





#13

Acrolein

Concen: 279.819 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

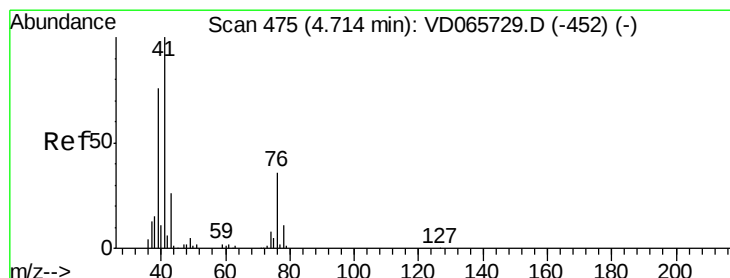
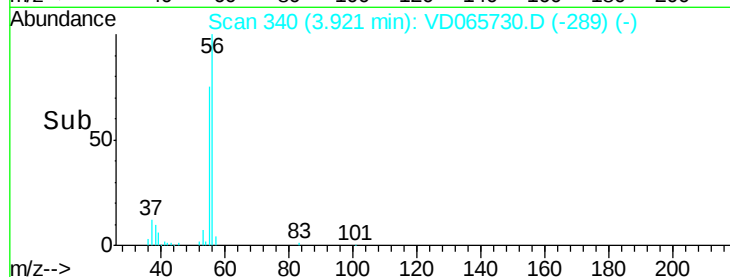
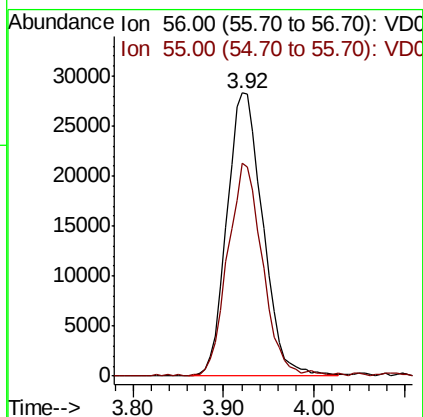
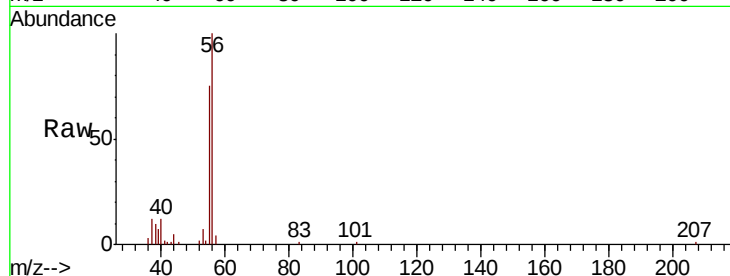
ClientSampleId :

Tot Ion: 56 Resp: 78130

Ion Ratio Lower Upper

56 100

55 72.9 57.8 86.8



#14

Allyl chloride

Concen: 77.690 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

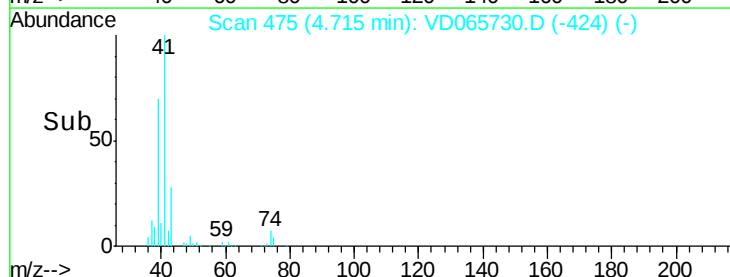
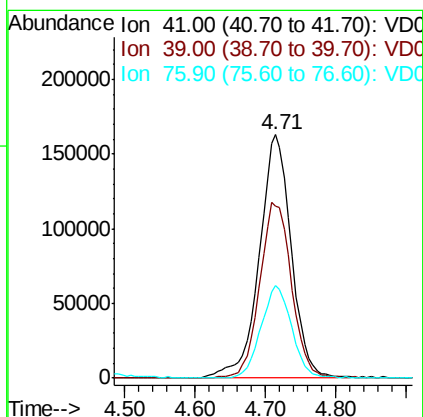
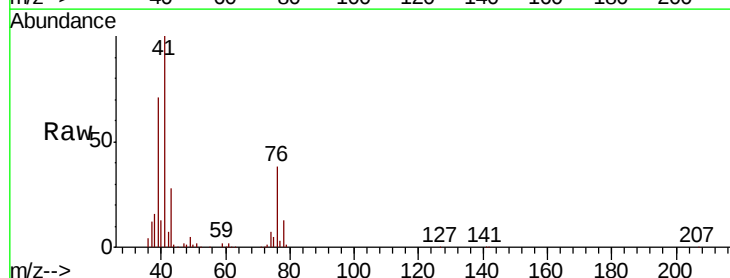
Tgt Ion: 41 Resp: 514715

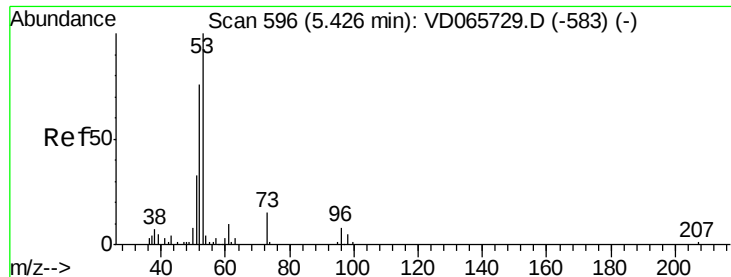
Ion Ratio Lower Upper

41 100

39 71.9 57.4 86.2

76 35.8 28.4 42.6

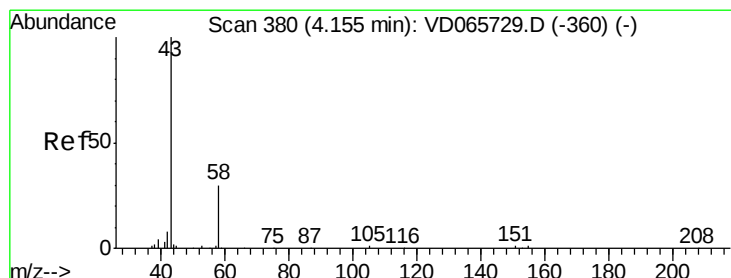
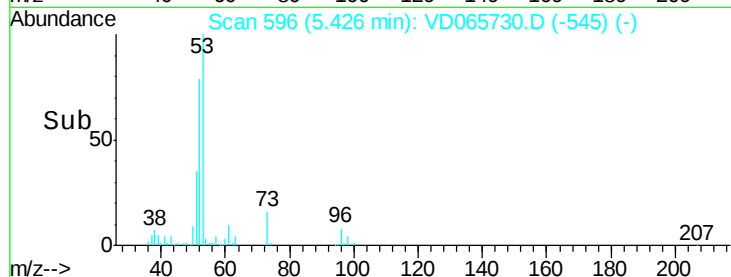
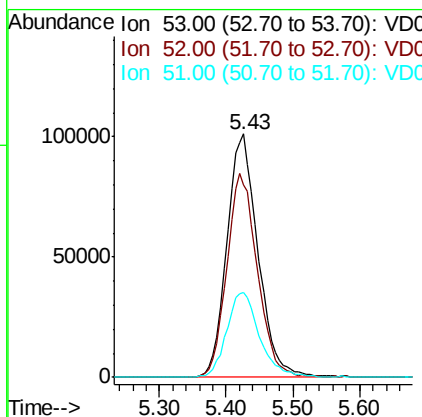
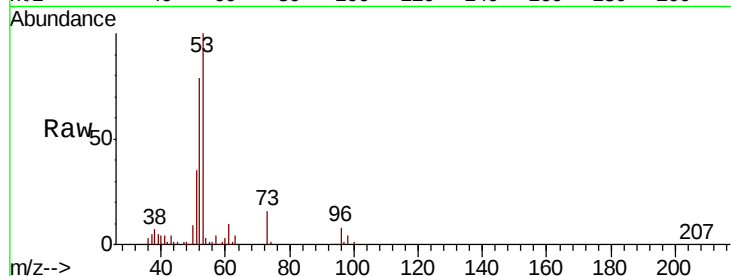




#15
 Acrylonitrile
 Concen: 402.433 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

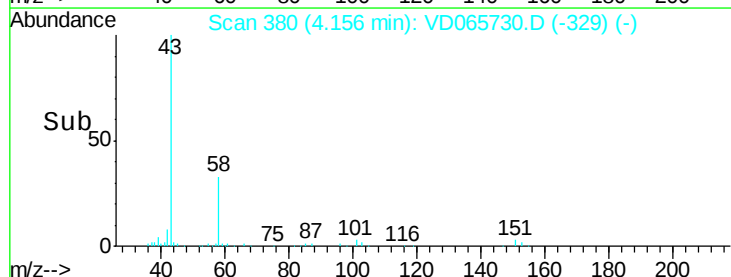
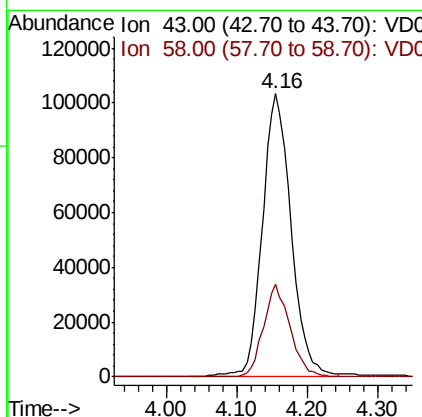
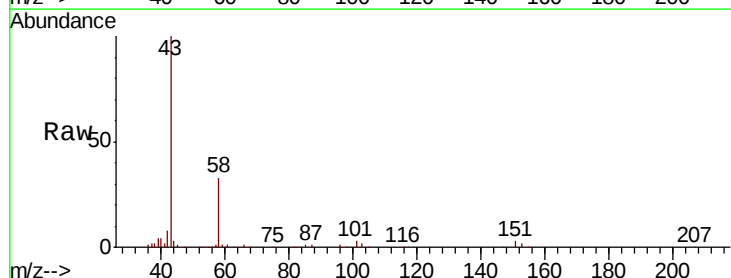
Instrument :
 MSVOA_D
 ClientSampleID :

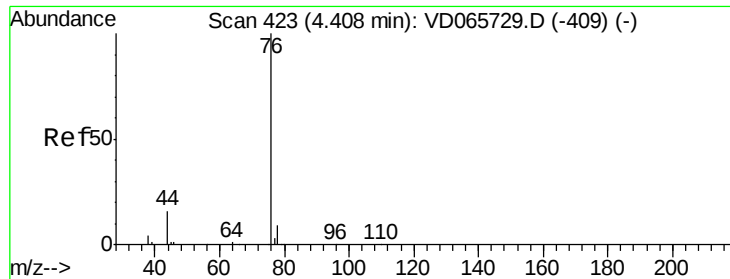
Tot Ion	53	Resp	330003
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.3	99.5
51	36.8	29.2	43.8



#16
 Acetone
 Concen: 402.394 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion	43	Resp	295512
Ion Ratio	Lower	Upper	
43	100		
58	32.6	23.7	35.5

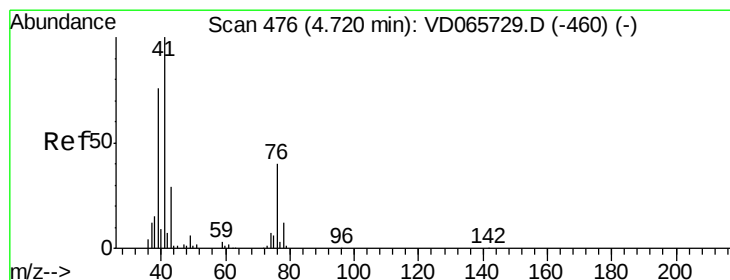
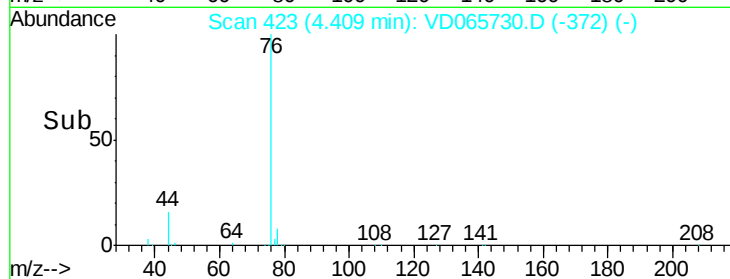
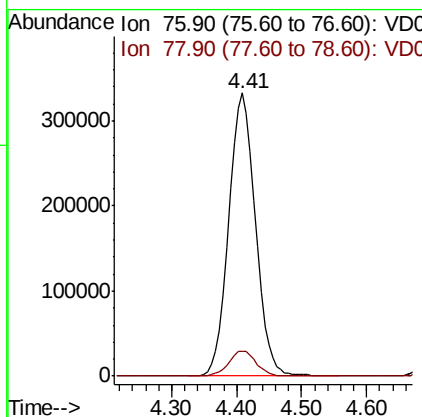
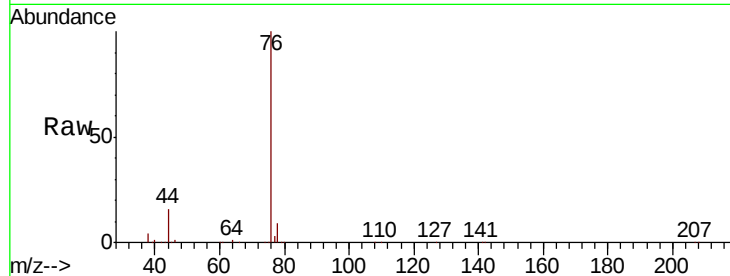




#17
Carbon Disulfide
Concen: 85.943 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

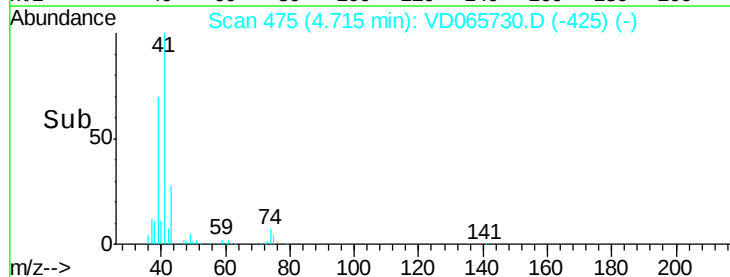
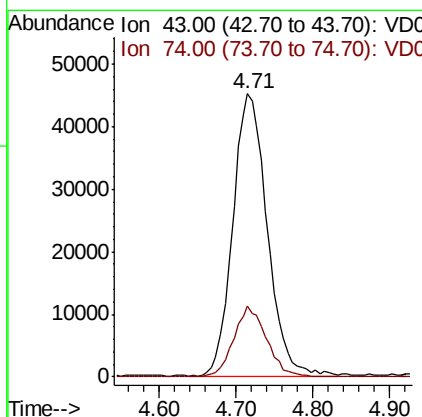
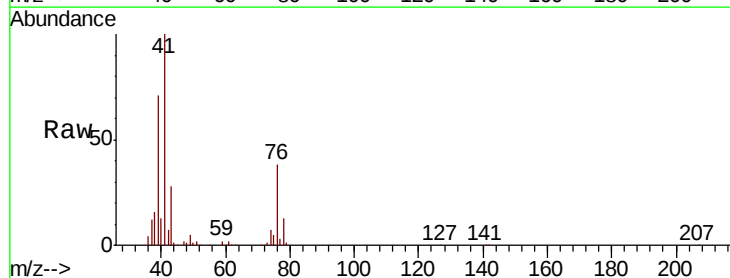
Instrument :
MSVOA_D
ClientSampleId :

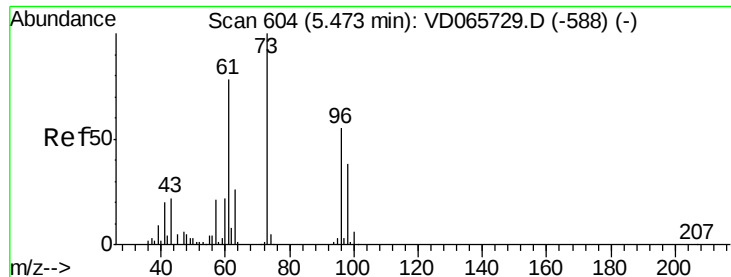
Tot Ion: 76 Resp: 946844
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 77.520 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 43 Resp: 142379
Ion Ratio Lower Upper
43 100
74 23.5 18.6 27.8

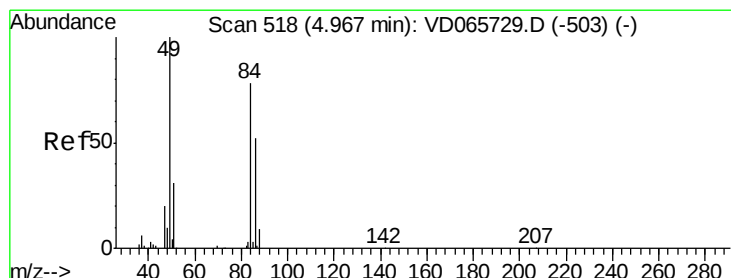
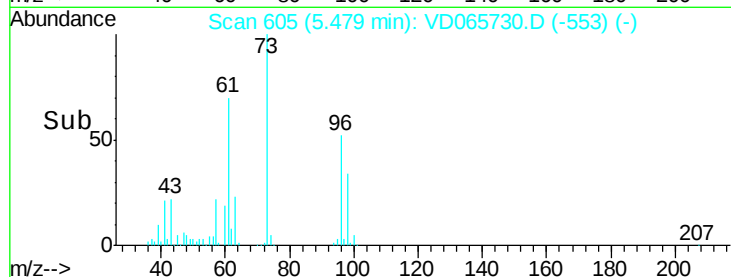
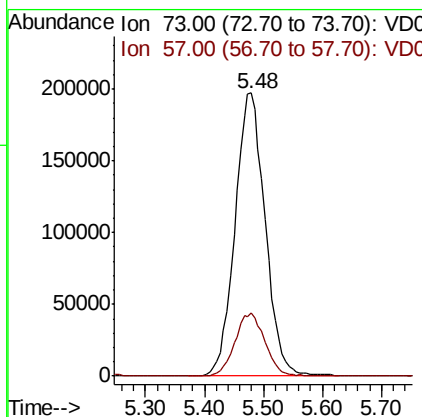
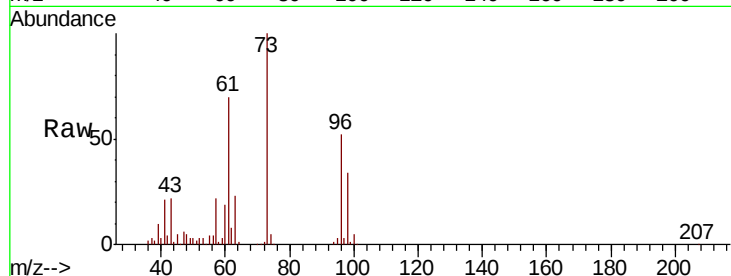




#19
Methyl tert-butyl Ether
Concen: 86.549 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

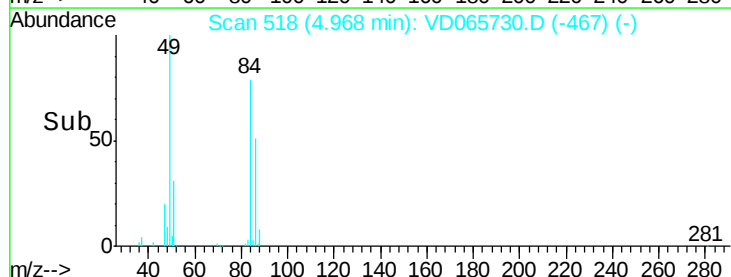
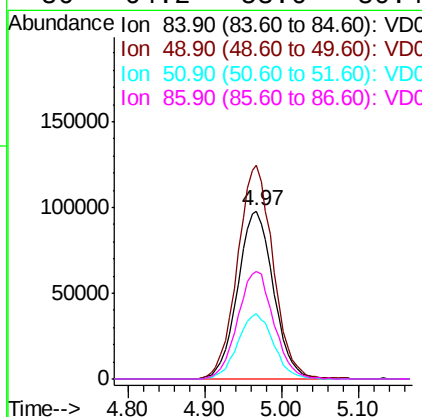
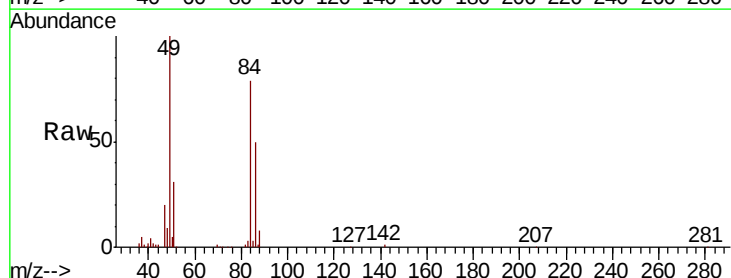
Instrument :
MSVOA_D
ClientSampled :

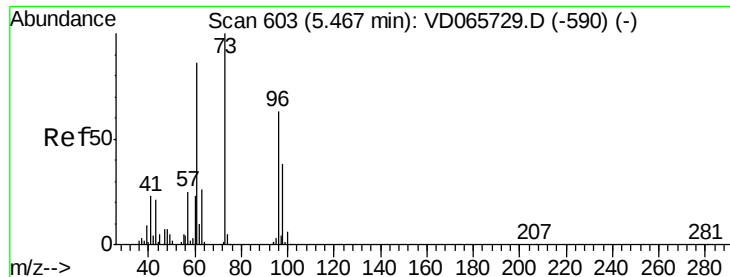
Tot Ion: 73 Resp: 701201
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.4



#20
Methylene Chloride
Concen: 83.678 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 84 Resp: 318311
Ion Ratio Lower Upper
84 100
49 127.1 102.9 154.3
51 39.1 31.5 47.3
86 64.2 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 88.494 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :
MSVOA_D
ClientSampleId :

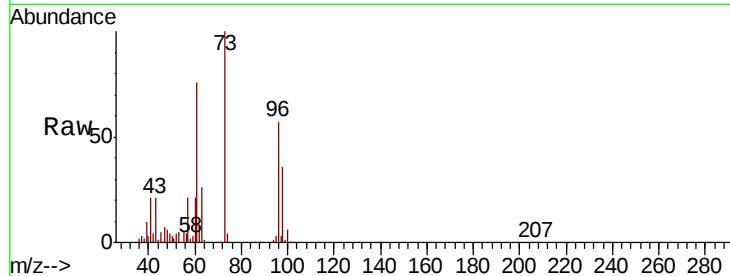
Tot Ion: 96 Resp: 343566

Ion Ratio Lower Upper

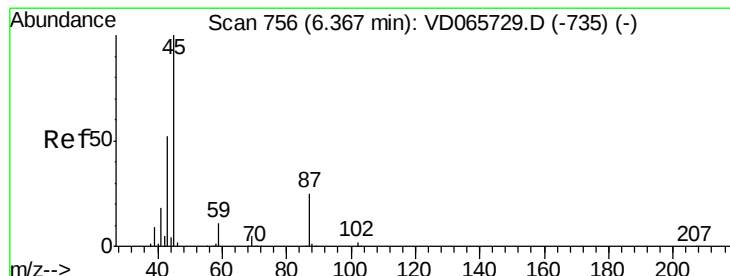
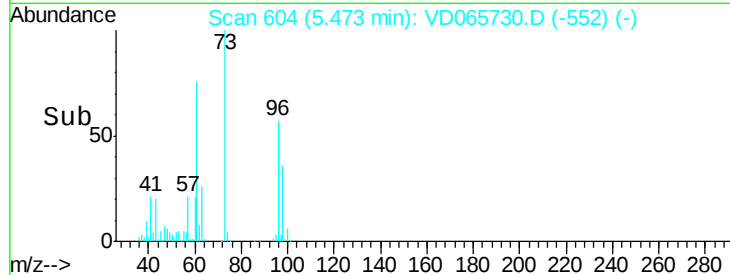
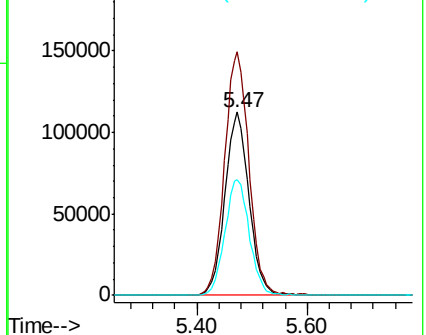
96 100

61 132.9 108.6 163.0

98 62.9 47.9 71.9



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



#22

Diisopropyl ether

Concen: 80.805 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Tgt Ion: 45 Resp: 993888

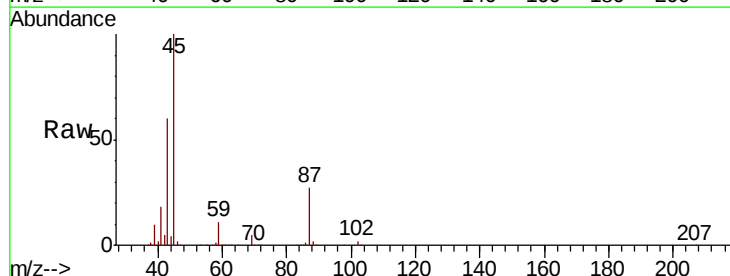
Ion Ratio Lower Upper

45 100

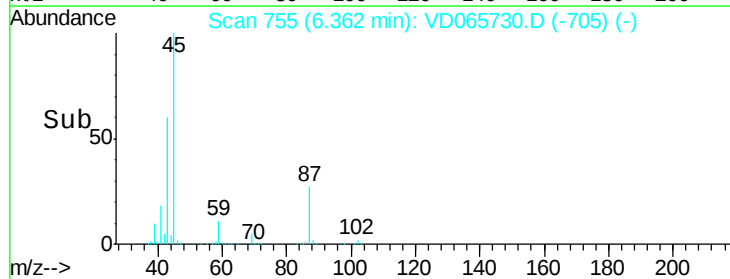
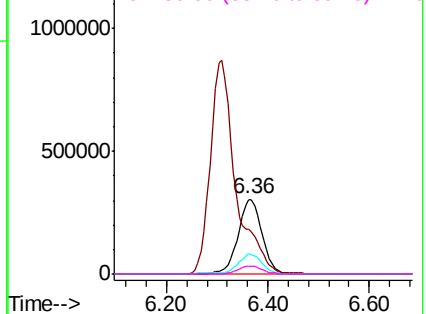
43 59.5 41.8 62.6

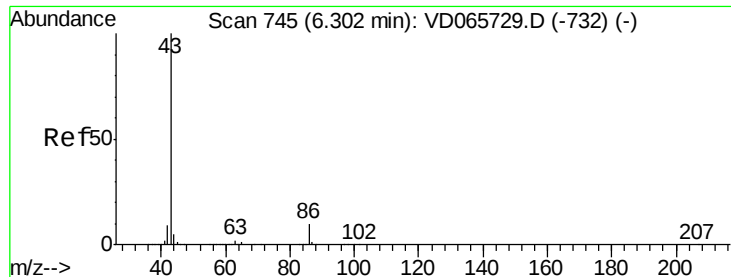
87 27.1 20.1 30.1

59 11.2 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: 406.045 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

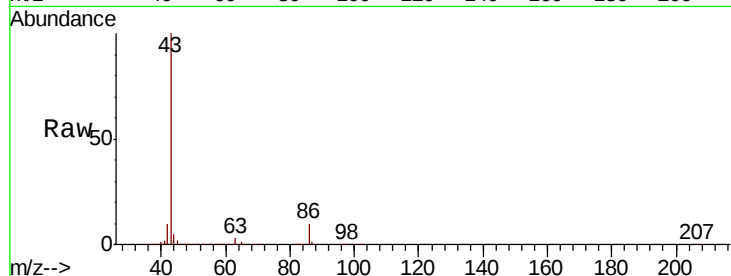
ClientSampleId :

Tot Ion: 43 Resp: 3006115

Ion Ratio Lower Upper

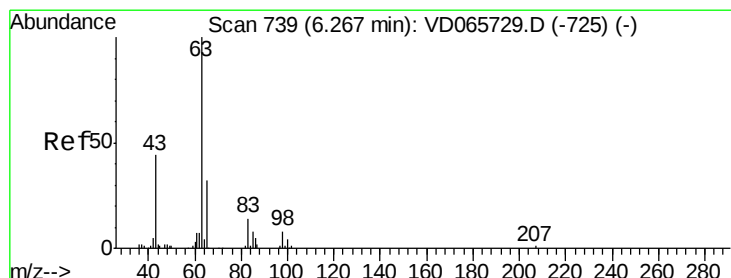
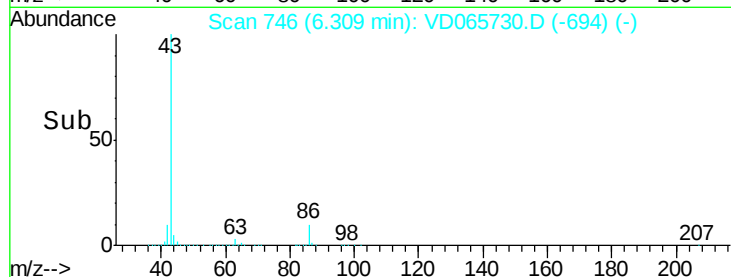
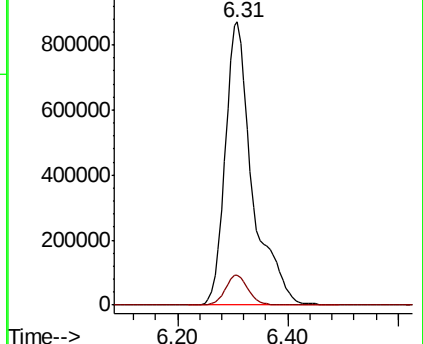
43 100

86 10.4 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: 85.420 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

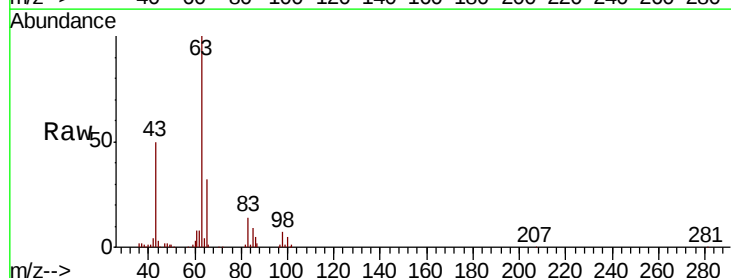
Tgt Ion: 63 Resp: 582344

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

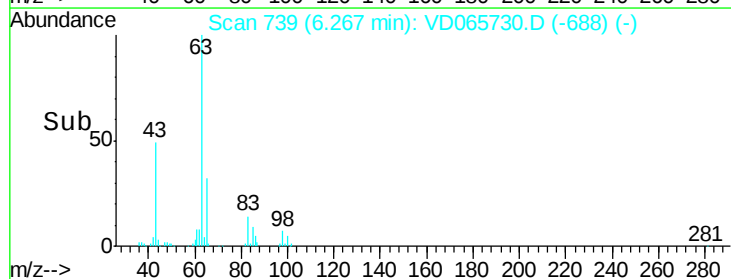
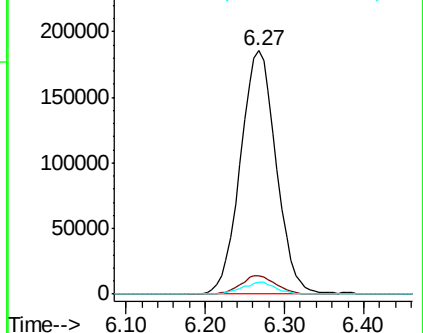
100 5.1 2.2 6.6

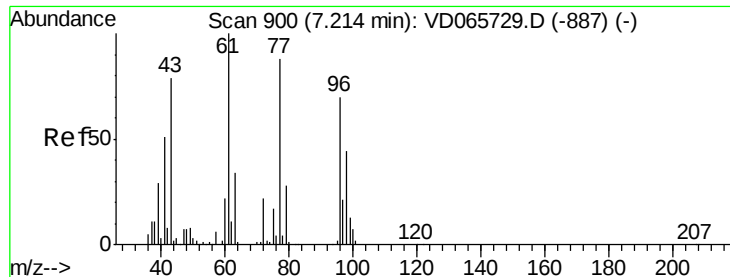


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 392.071 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

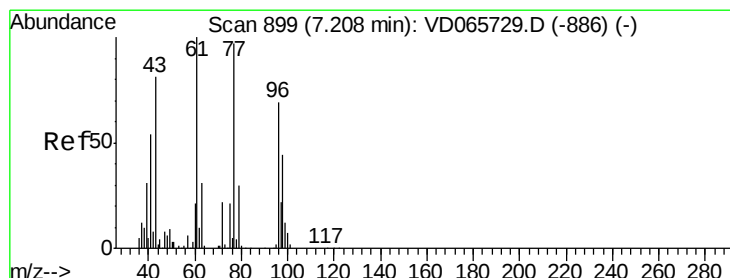
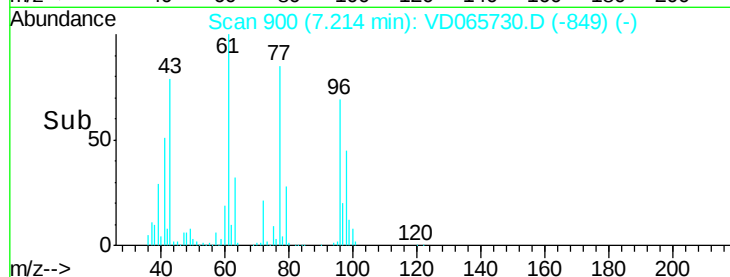
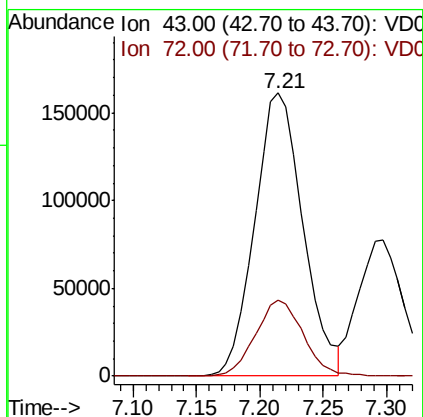
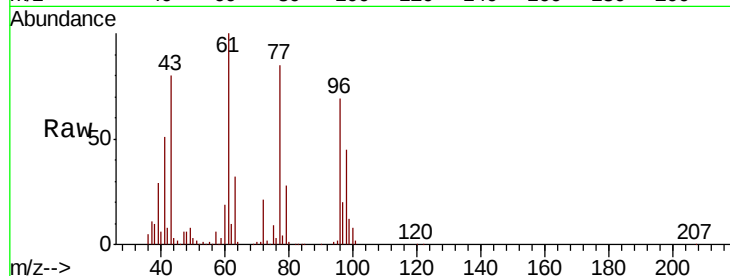
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 428379

Ion Ratio Lower Upper

43 100

72 26.7 22.3 33.5



#26

2,2-Dichloropropane

Concen: 85.682 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065730.D

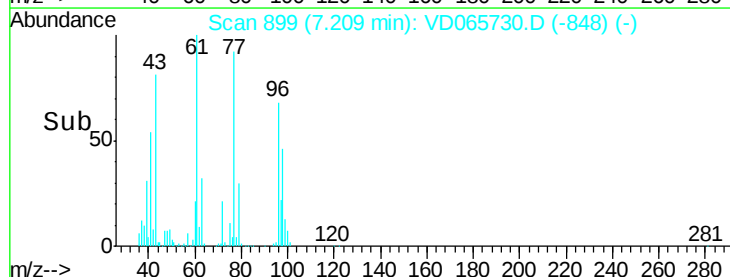
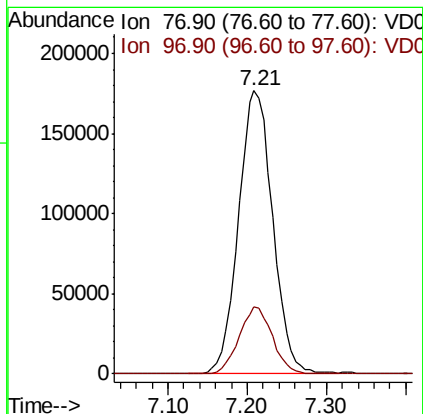
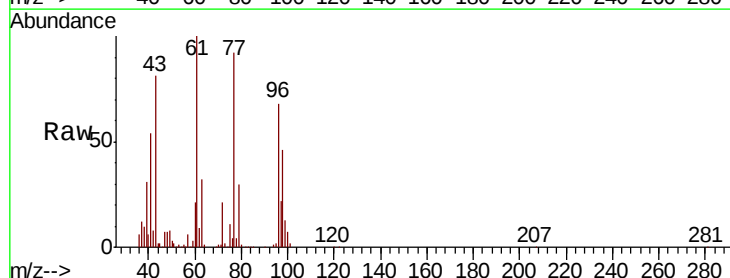
Acq: 13 May 2020 13:48

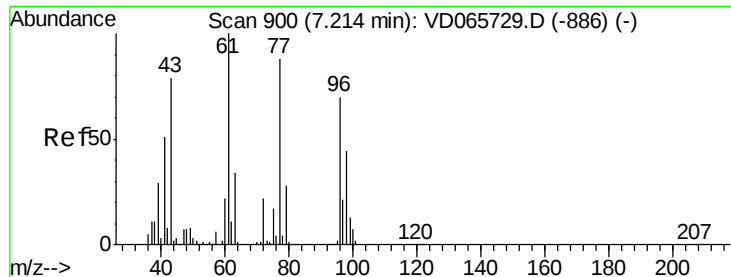
Tgt Ion: 77 Resp: 528672

Ion Ratio Lower Upper

77 100

97 23.0 11.3 33.9



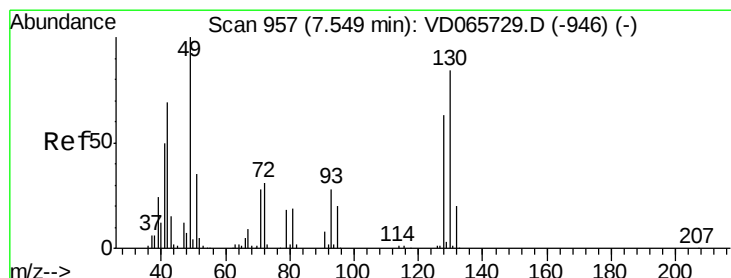
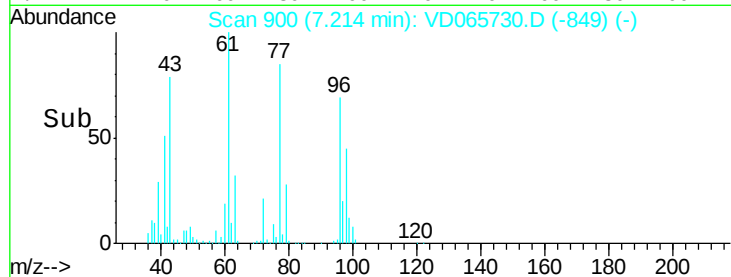
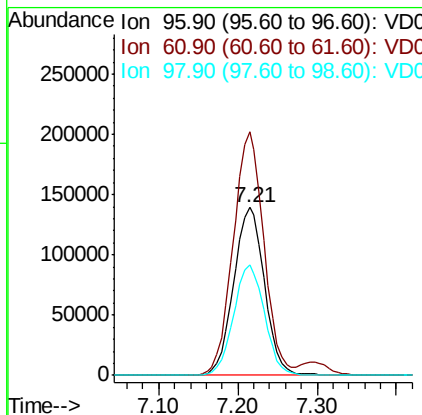
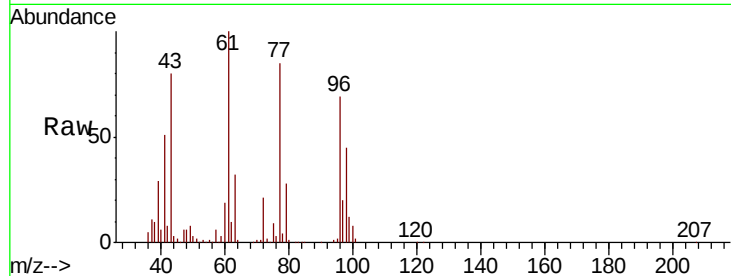


#27

cis-1,2-Dichloroethene
Concen: 89.428 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Instrument :
MSVOA_D
ClientSampled :

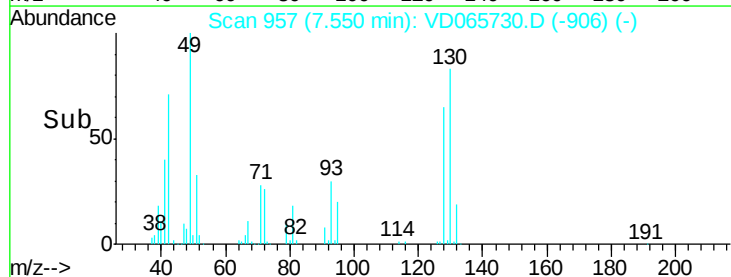
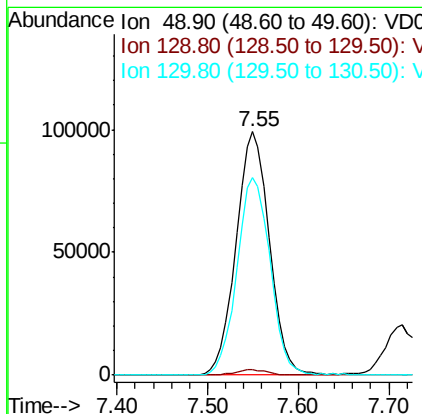
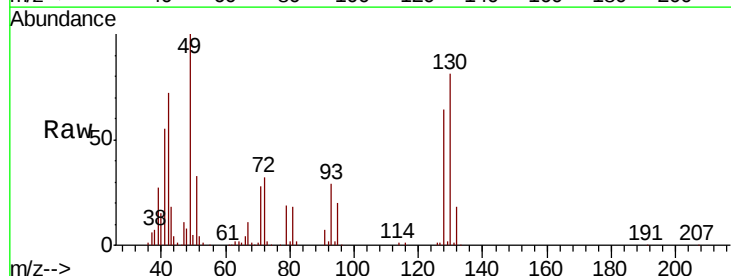
Tot Ion: 96 Resp: 375615
Ion Ratio Lower Upper
96 100
61 144.3 0.0 288.0
98 65.7 0.0 127.8

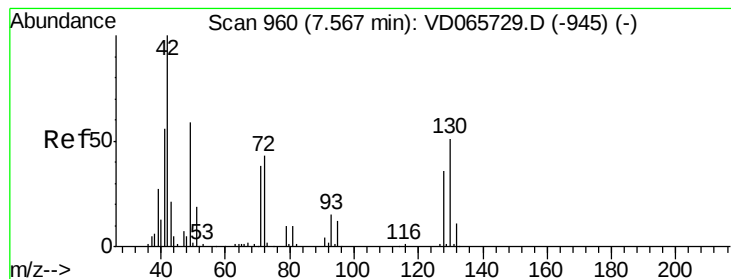


#28

Bromochloromethane
Concen: 89.215 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 49 Resp: 253877
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.6
130 80.7 65.2 97.8





#29

Tetrahydrofuran

Concen: 386.256 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

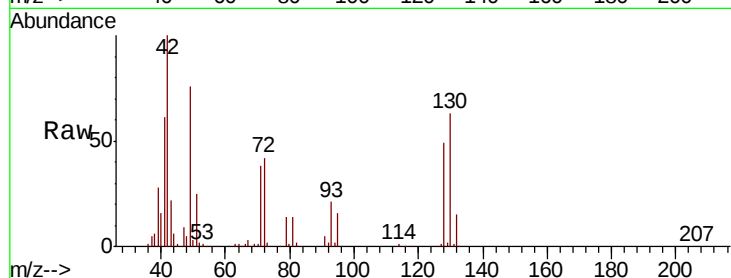
Tot Ion: 42 Resp: 272582

Ion Ratio Lower Upper

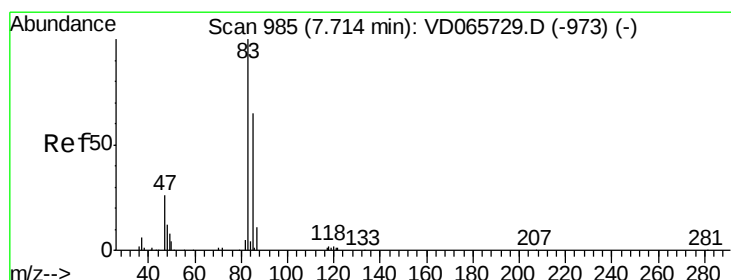
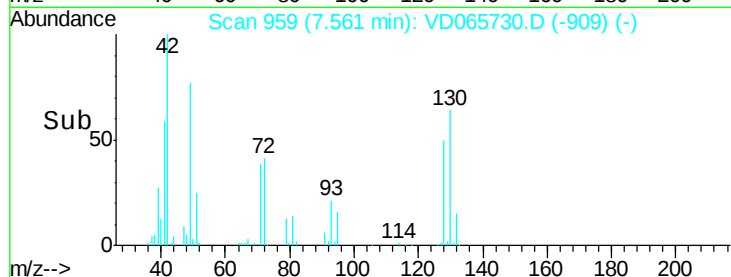
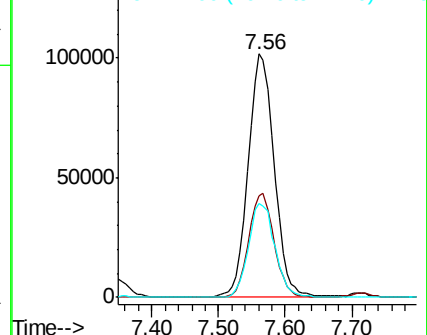
42 100

72 41.4 33.5 50.3

71 38.9 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: 88.625 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065730.D

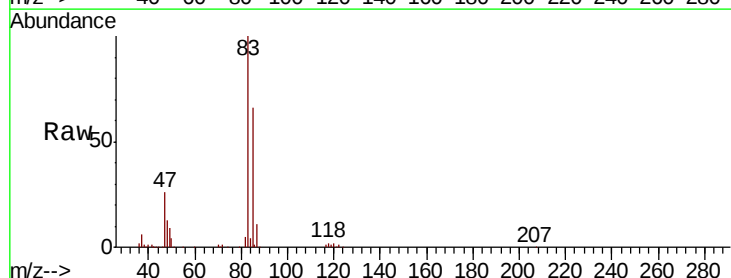
Acq: 13 May 2020 13:48

Tgt Ion: 83 Resp: 585014

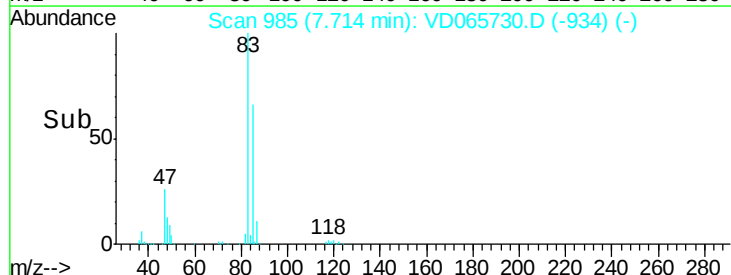
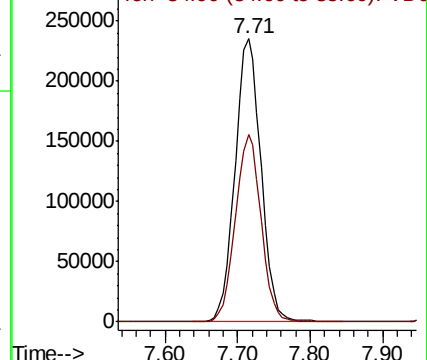
Ion Ratio Lower Upper

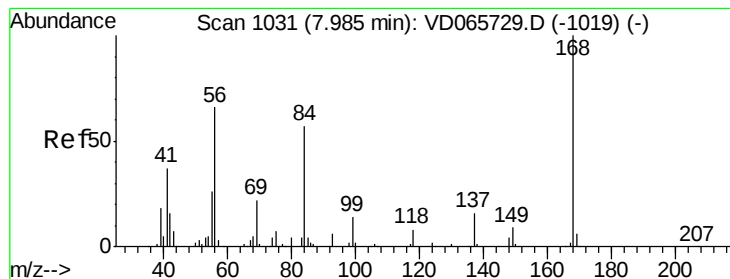
83 100

85 66.1 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: 78.520 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

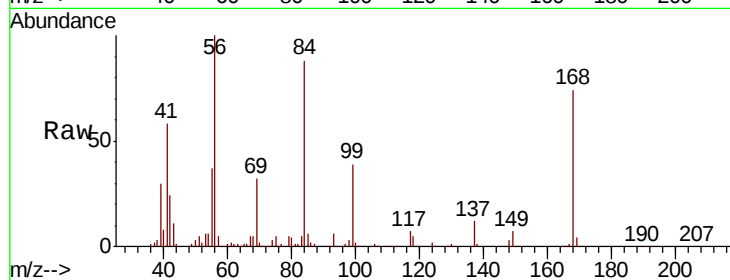
Tot Ion: 56 Resp: 552940

Ion Ratio Lower Upper

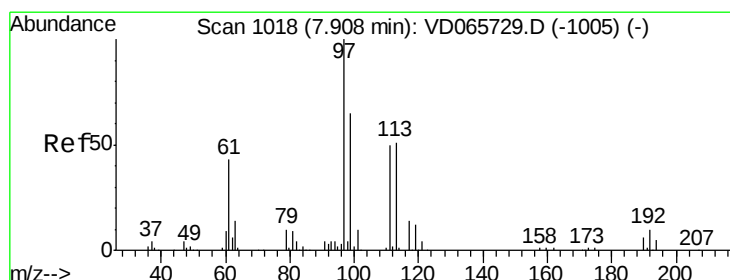
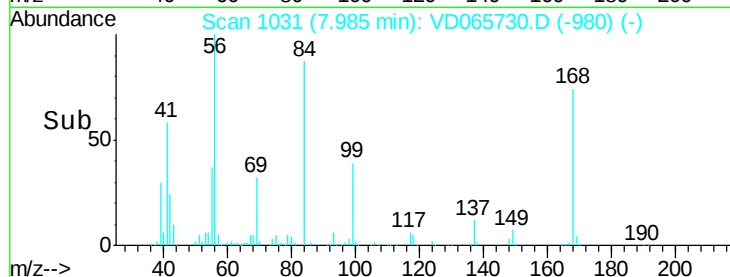
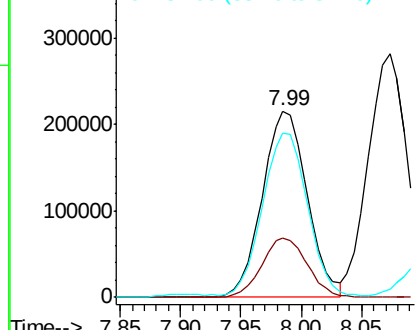
56 100

69 31.8 25.9 38.9

84 86.7 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: 89.067 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

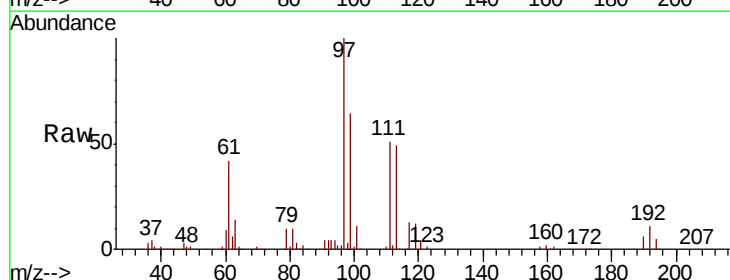
Tgt Ion: 97 Resp: 547164

Ion Ratio Lower Upper

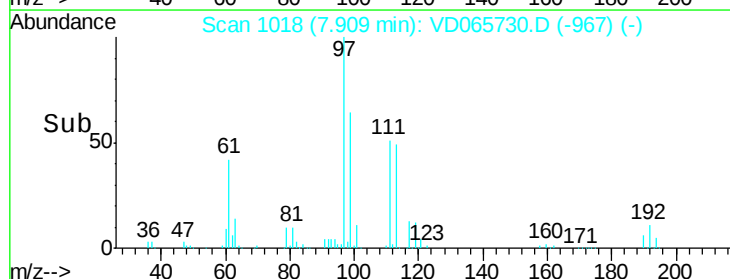
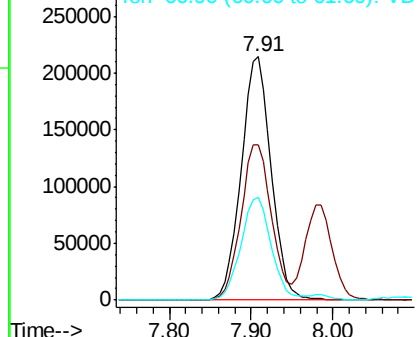
97 100

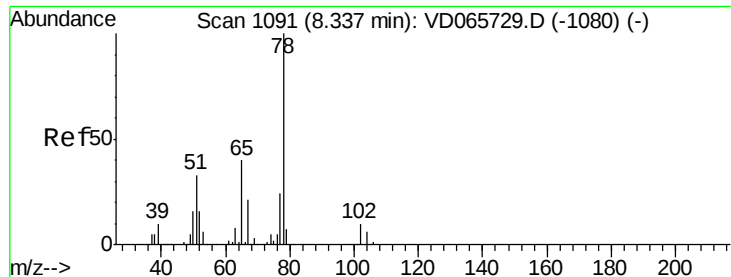
99 65.3 50.5 75.7

61 42.8 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

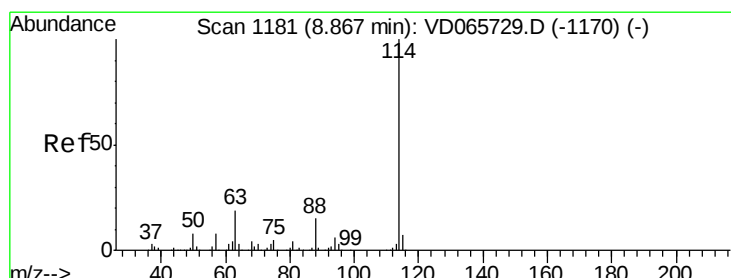
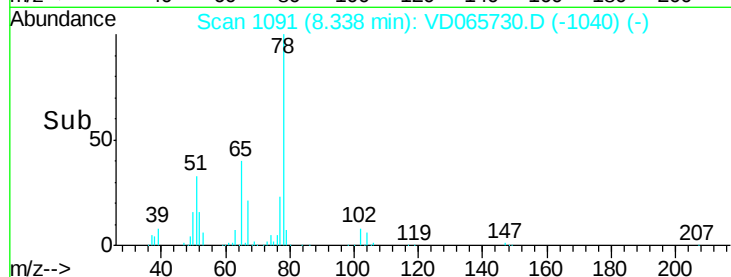
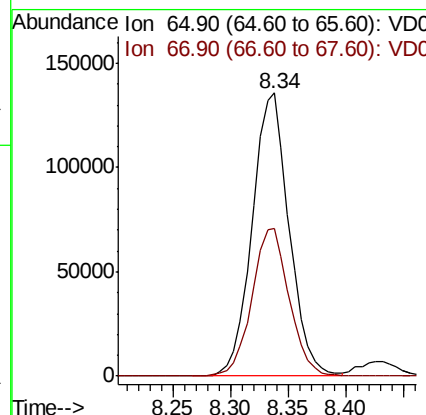
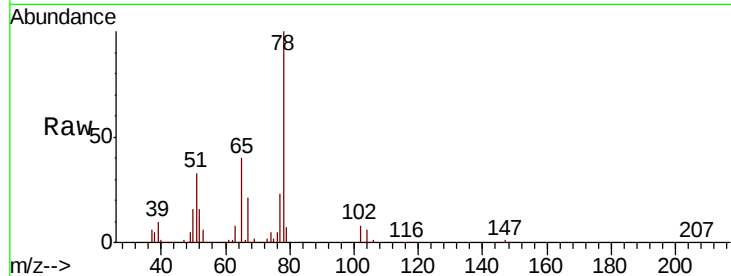




#33
 1,2-Dichloroethane-d4
 Concen: 86.753 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

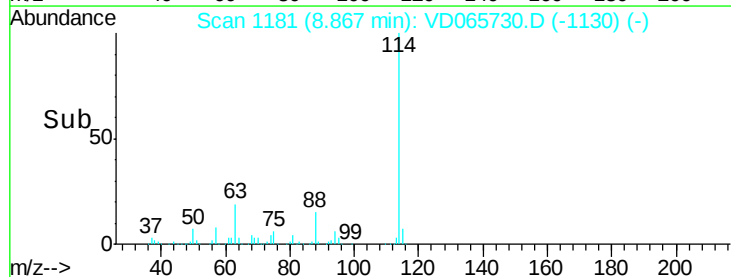
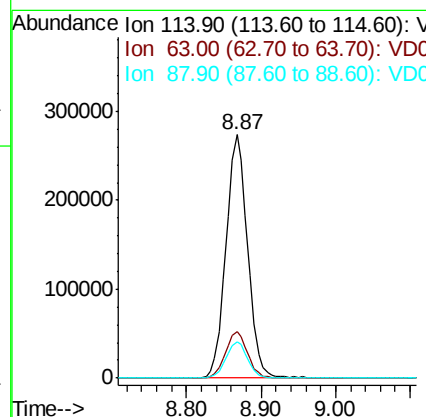
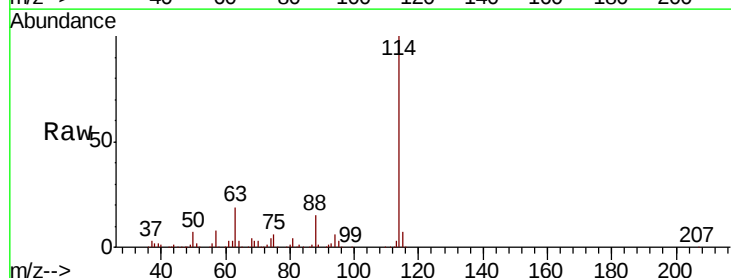
Instrument :
 MSVOA_D
 ClientSampleId :

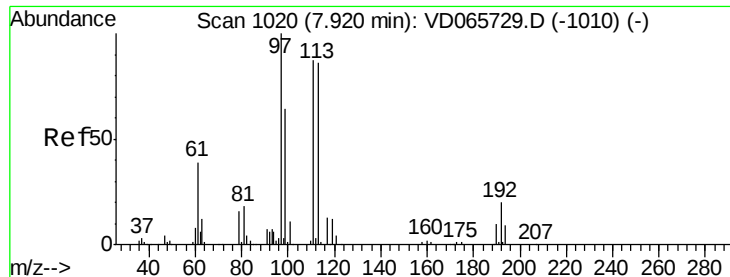
Tot Ion: 65 Resp: 302111
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion: 114 Resp: 552034
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.2
 88 14.9 0.0 30.2

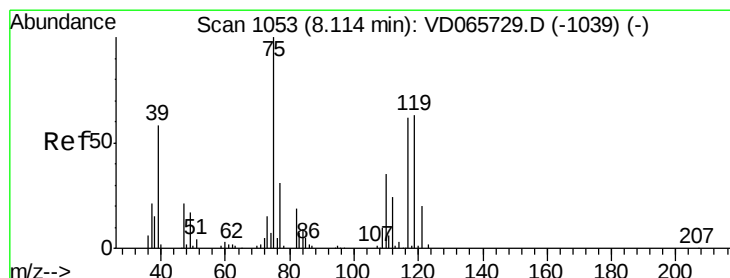
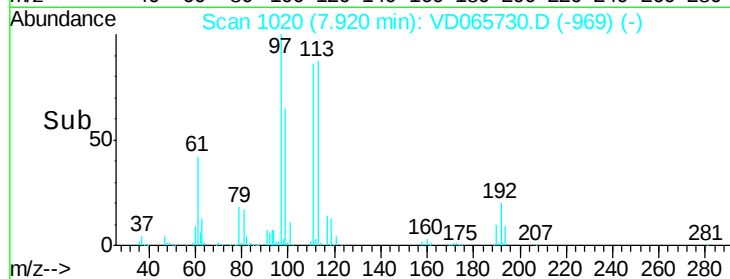
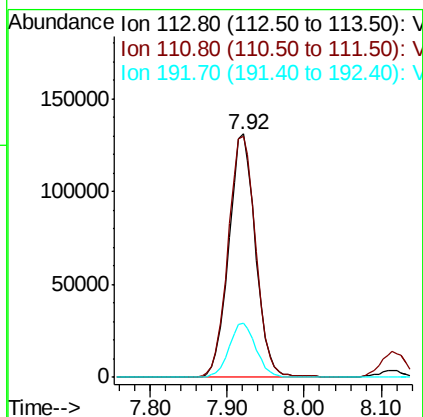
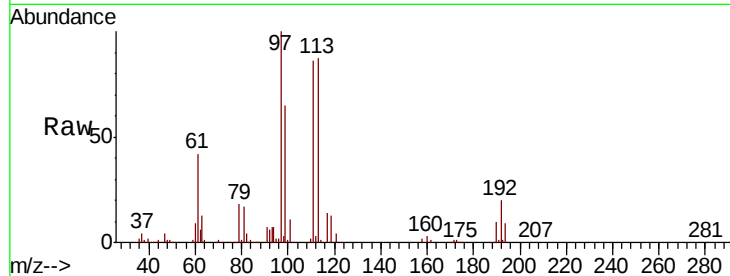




#35
 Dibromofluoromethane
 Concen: 94.383 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

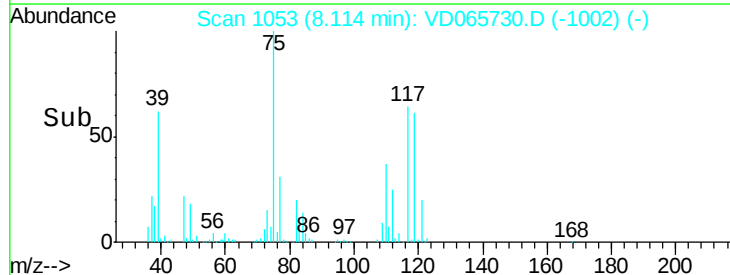
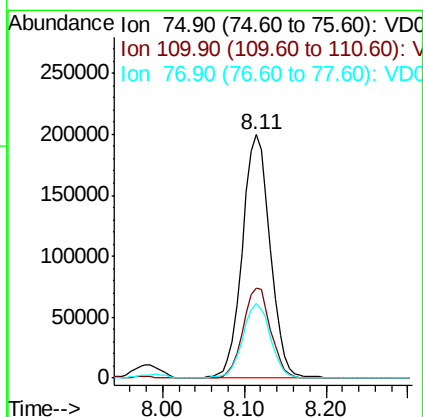
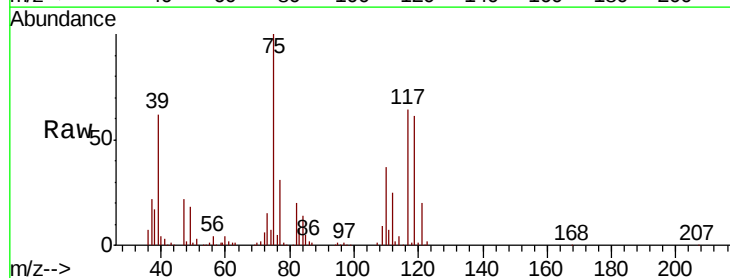
Instrument :
 MSVOA_D
 ClientSampleId :

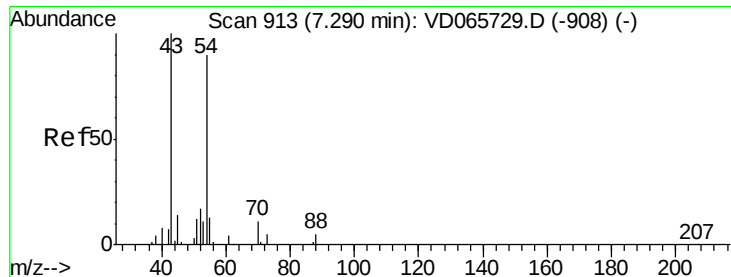
Tot Ion:113 Resp: 317827
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.1 121.7
 192 22.4 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 88.226 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion: 75 Resp: 471494
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.4 55.2
 77 31.0 24.6 37.0

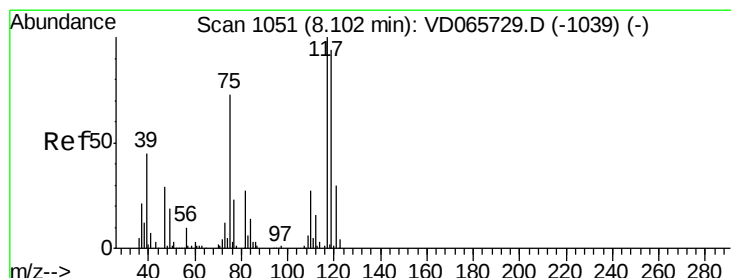
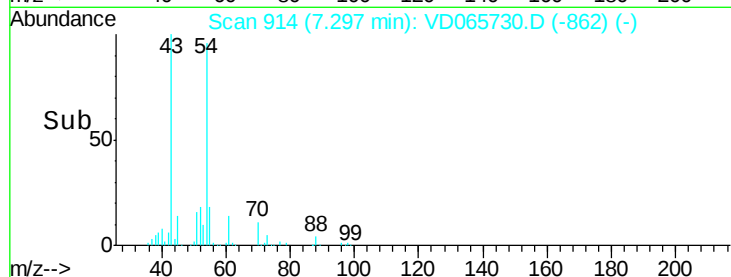
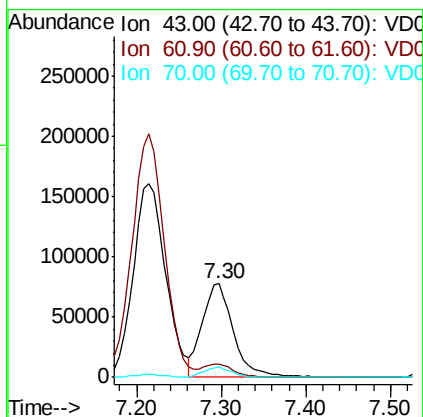
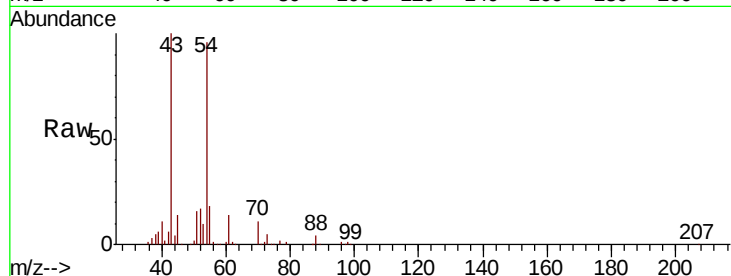




#37
Ethyl Acetate
Concen: 78.687 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

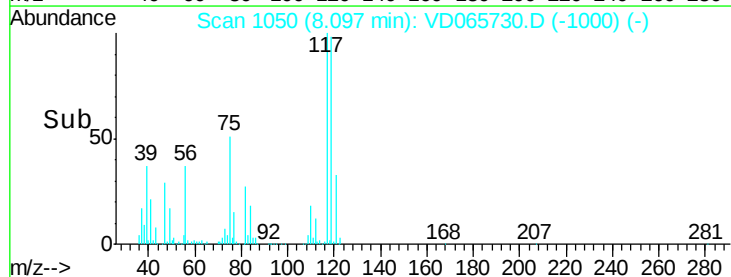
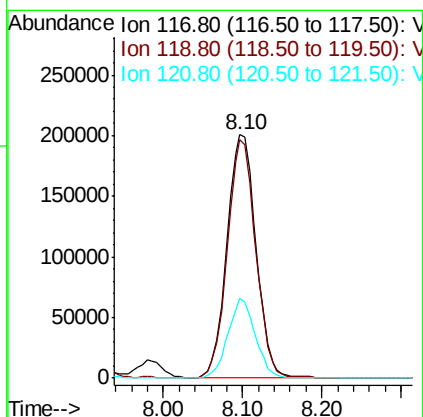
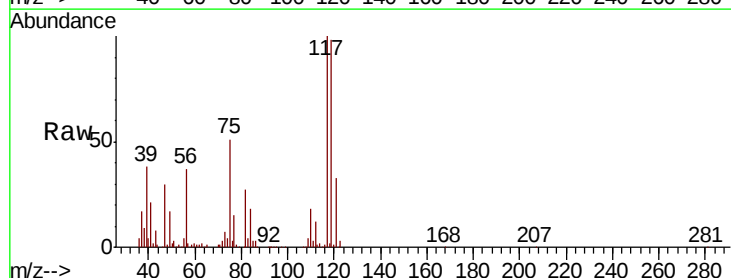
Instrument :
MSVOA_D
ClientSampleID :

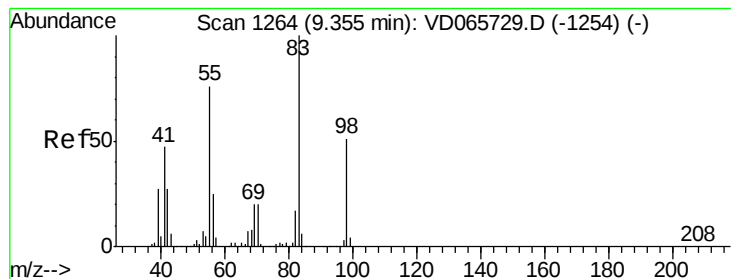
Tot Ion: 43 Resp: 198246
Ion Ratio Lower Upper
43 100
61 12.7 9.8 14.6
70 10.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 94.289 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 117 Resp: 504809
Ion Ratio Lower Upper
117 100
119 98.3 75.6 113.4
121 32.7 24.4 36.6





#39

Methvlcvclohexane

Concen: 90.193 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampled :

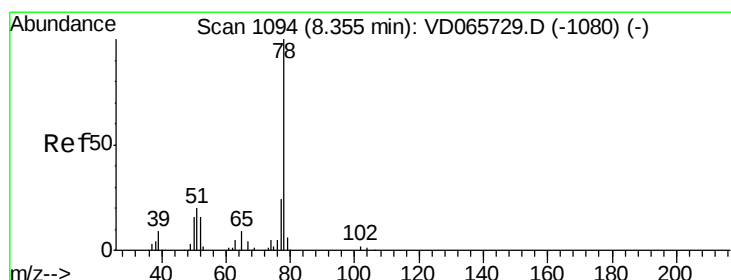
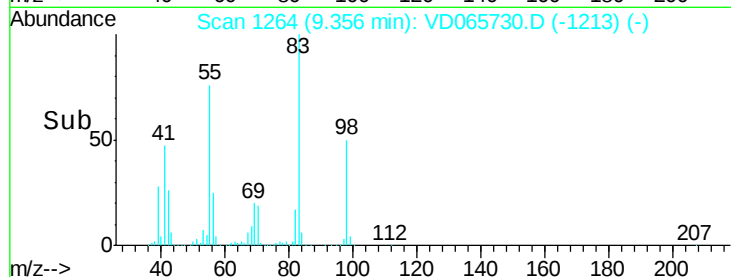
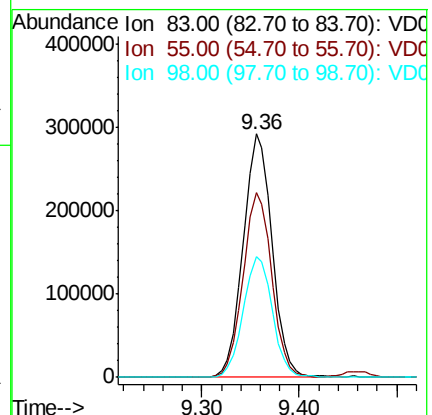
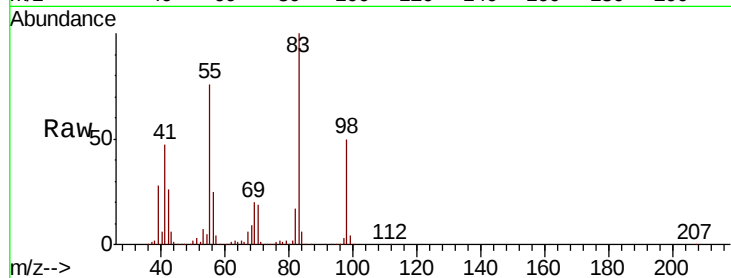
Tot Ion: 83 Resp: 604264

Ion Ratio Lower Upper

83 100

55 76.0 60.9 91.3

98 49.8 40.6 61.0



#40

Benzene

Concen: 89.525 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065730.D

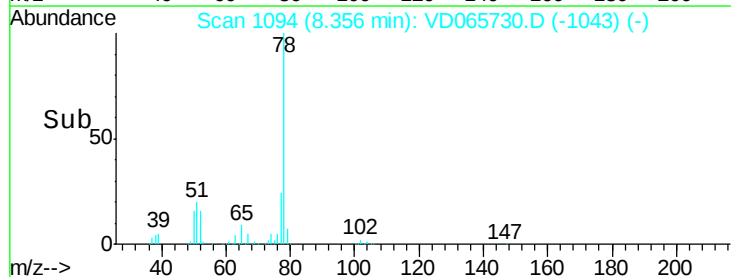
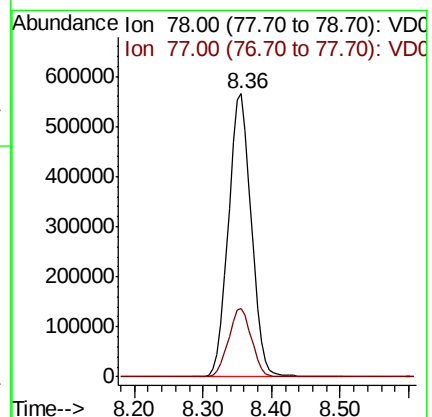
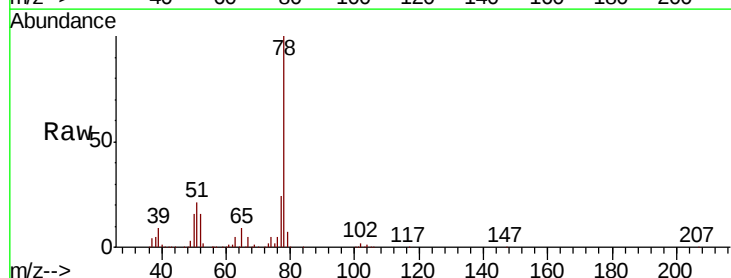
Acq: 13 May 2020 13:48

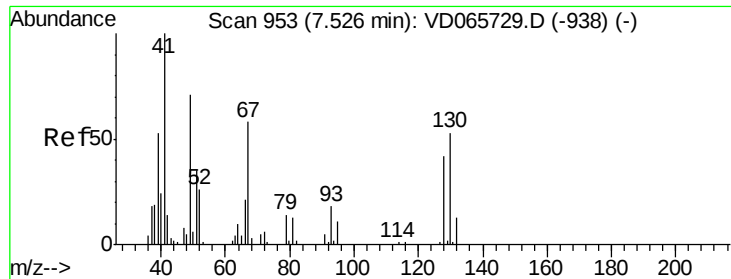
Tgt Ion: 78 Resp: 1308343

Ion Ratio Lower Upper

78 100

77 24.2 19.1 28.7

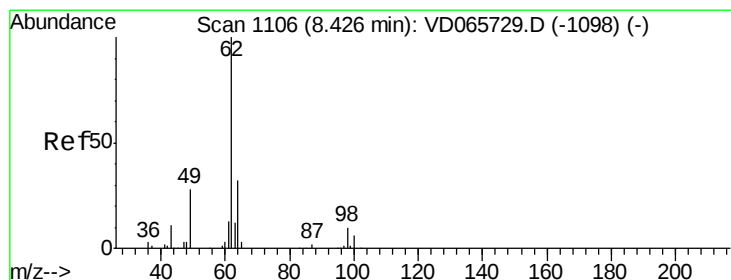
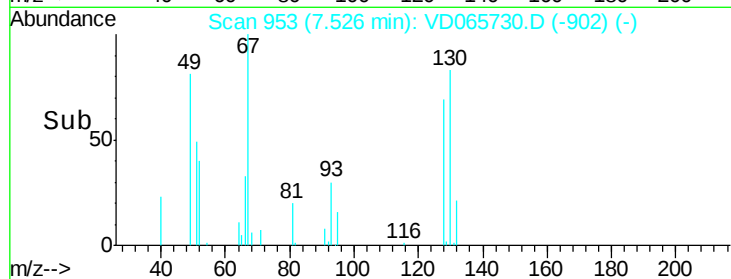
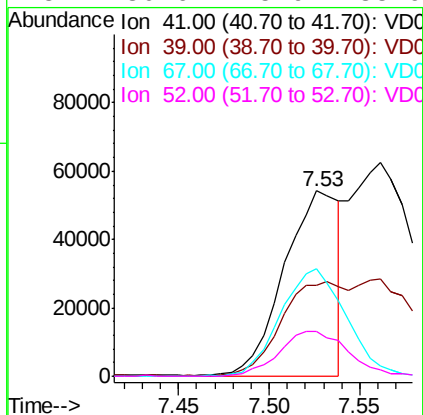
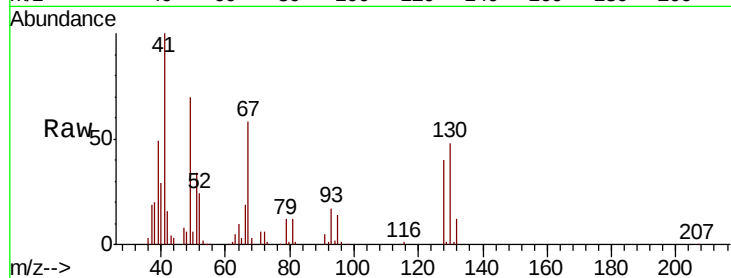




#41
Methacrylonitrile
Concen: 77.503 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

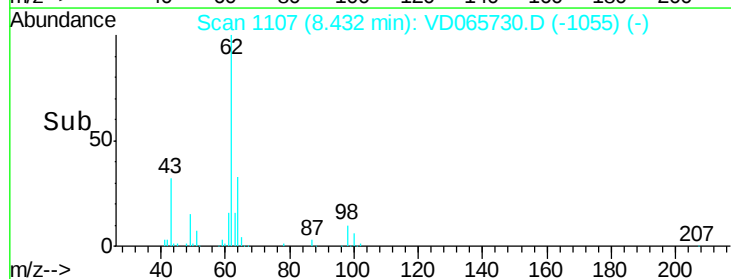
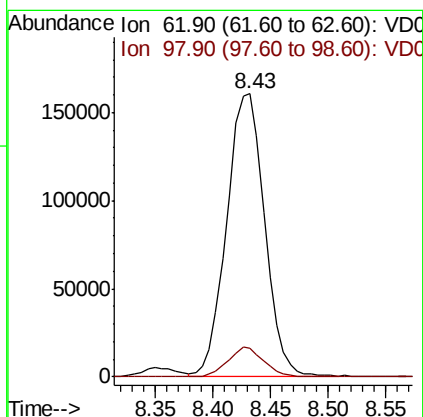
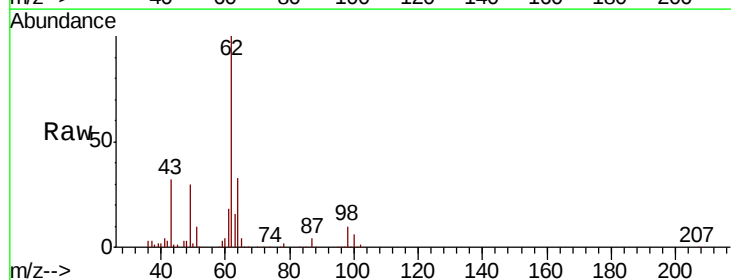
Instrument :
MSVOA_D
ClientSampleID :

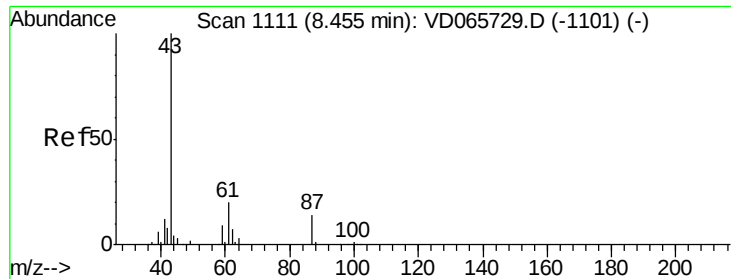
Tot Ion:	41	Resp:	114087
Ion	Ratio	Lower	Upper
41	100		
39	61.6	56.8	85.2
67	70.2	57.9	86.9
52	30.6	25.9	38.9



#42
1,2-Dichloroethane
Concen: 86.892 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion:	62	Resp:	364400
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 80.731 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampled :

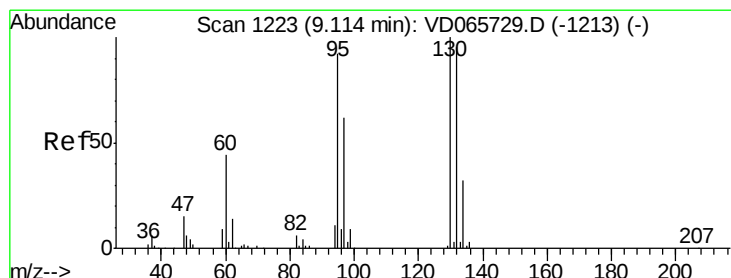
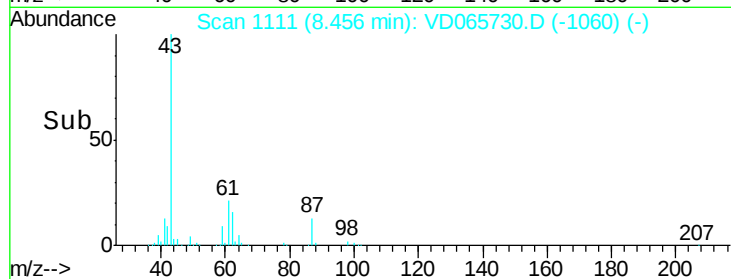
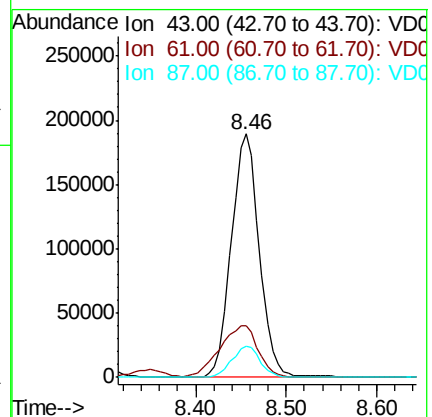
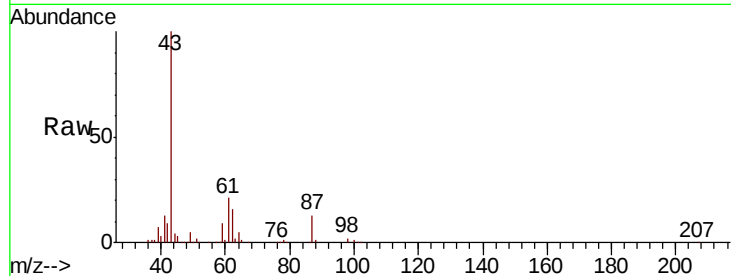
Tot Ion: 43 Resp: 406952

Ion Ratio Lower Upper

43 100

61 29.2 23.8 35.6

87 13.1 10.5 15.7



#44

Trichloroethene

Concen: 94.754 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065730.D

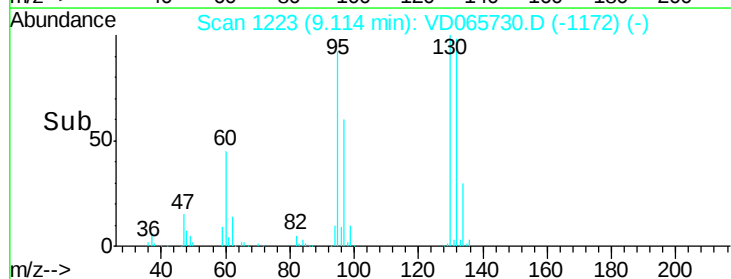
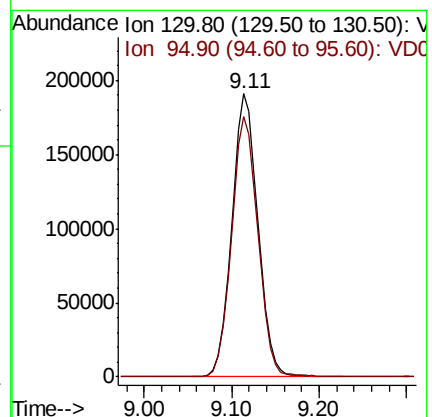
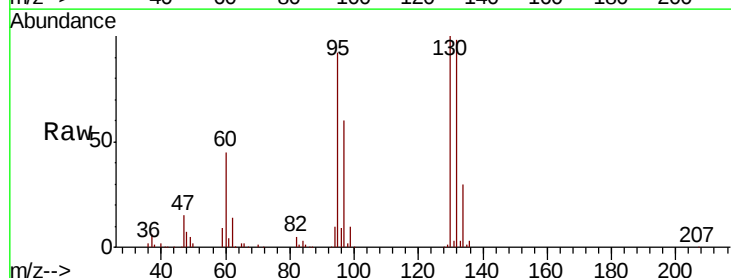
Acq: 13 May 2020 13:48

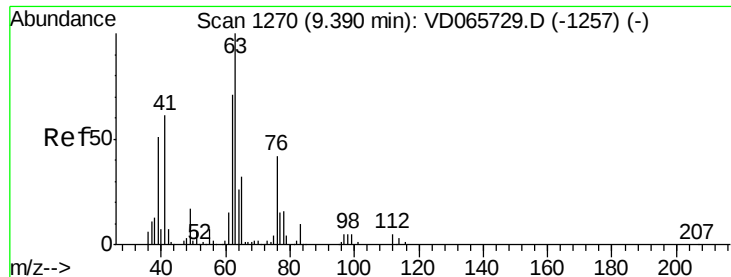
Tgt Ion: 130 Resp: 386514

Ion Ratio Lower Upper

130 100

95 91.8 0.0 183.6

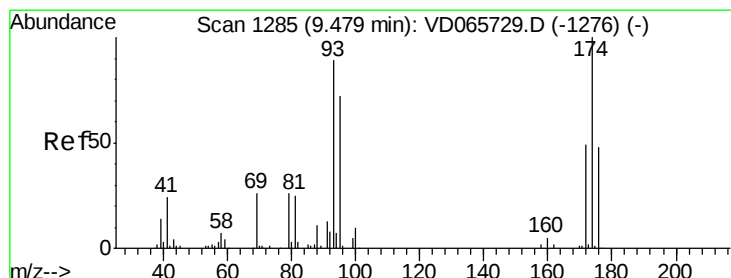
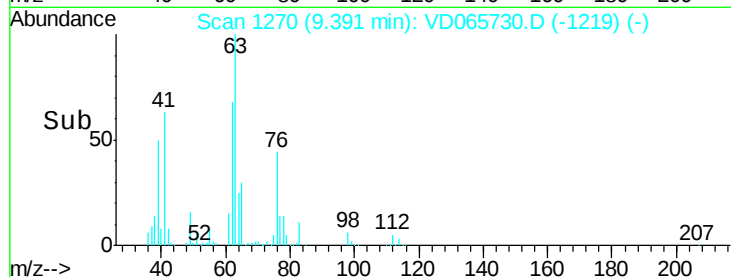
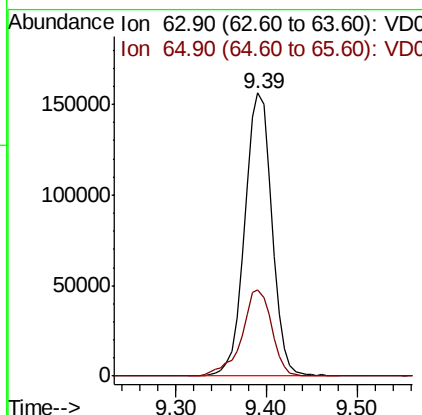
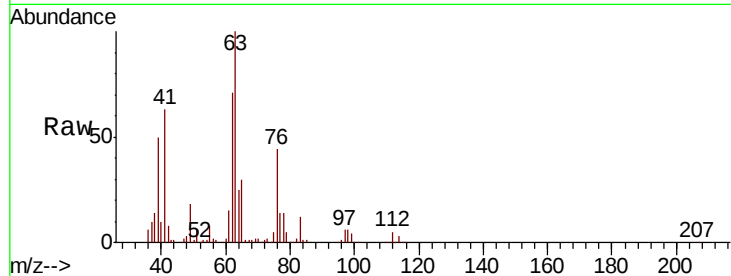




#45
 1,2-Dichloropropane
 Concen: 86.670 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

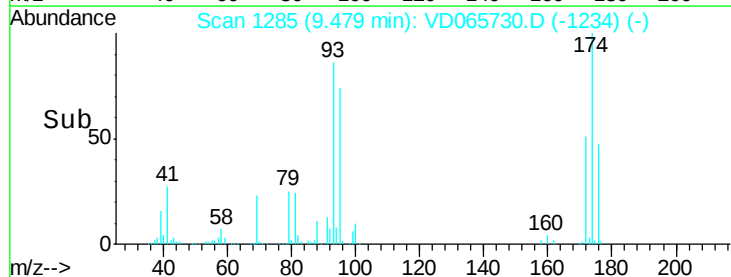
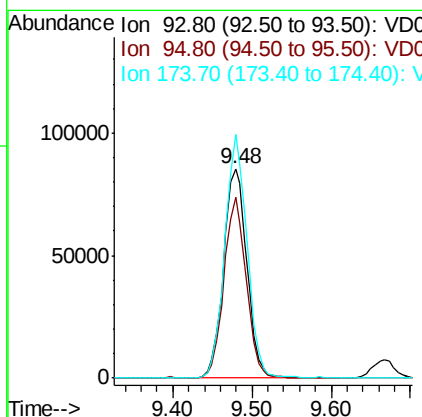
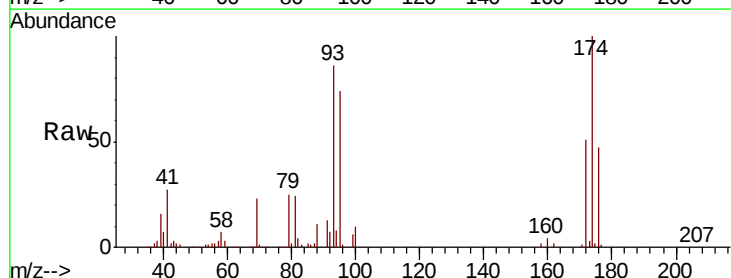
Instrument :
 MSVOA_D
 ClientSampleId :

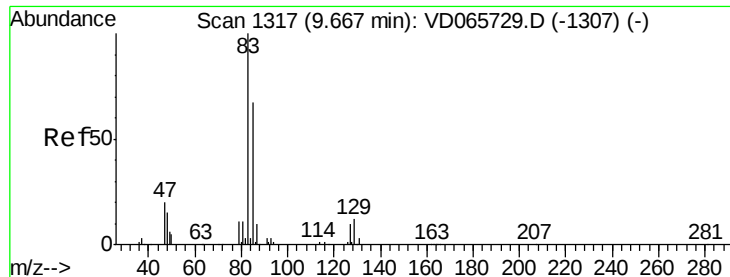
Tot Ion: 63 Resp: 324964
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.3 37.9



#46
 Dibromomethane
 Concen: 91.686 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion: 93 Resp: 174022
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.4 98.2
 174 111.1 89.9 134.9





#47

Bromodichloromethane

Concen: 90.650 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

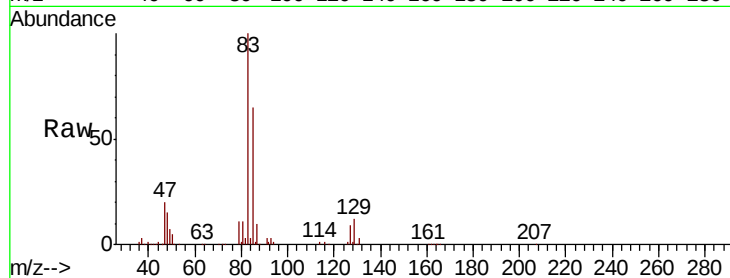
Tot Ion: 83 Resp: 460153

Ion Ratio Lower Upper

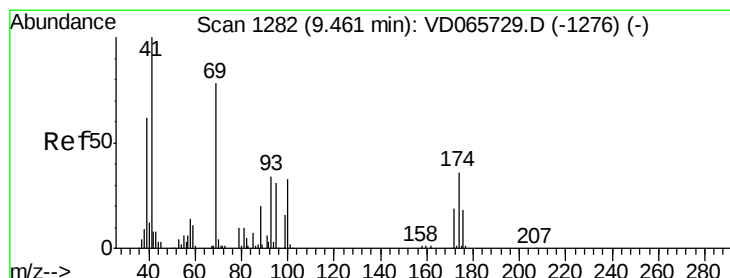
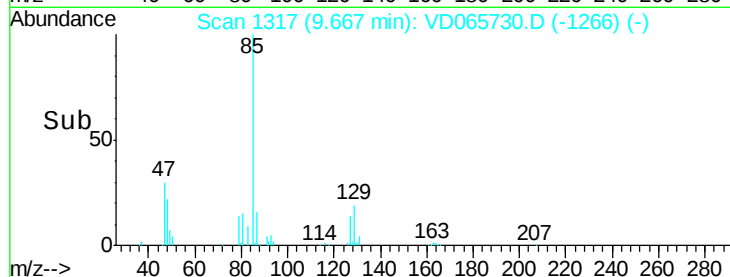
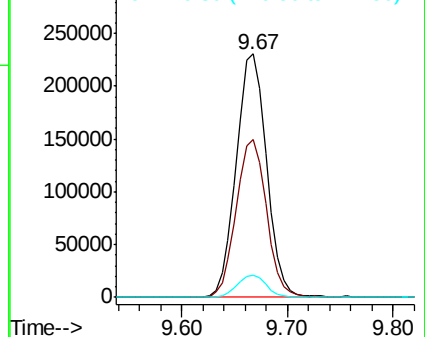
83 100

85 64.7 53.6 80.4

127 9.2 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: 78.102 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

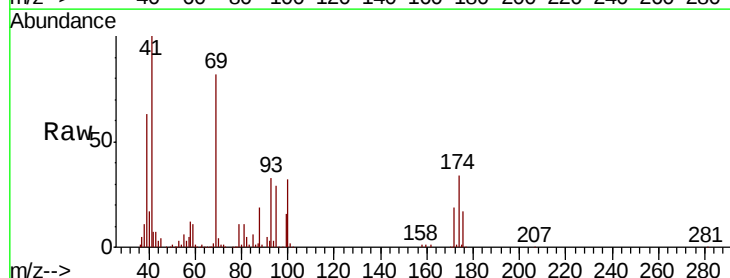
Tgt Ion: 41 Resp: 196709

Ion Ratio Lower Upper

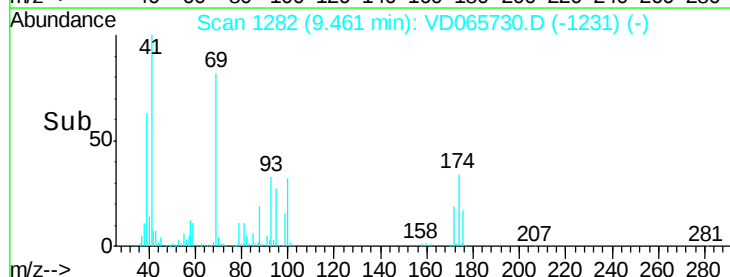
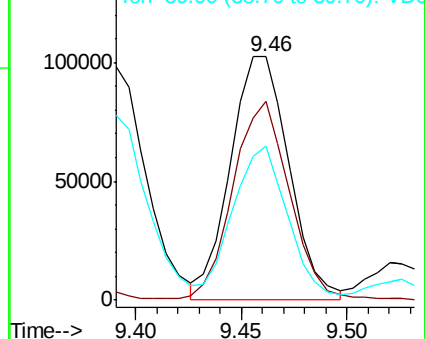
41 100

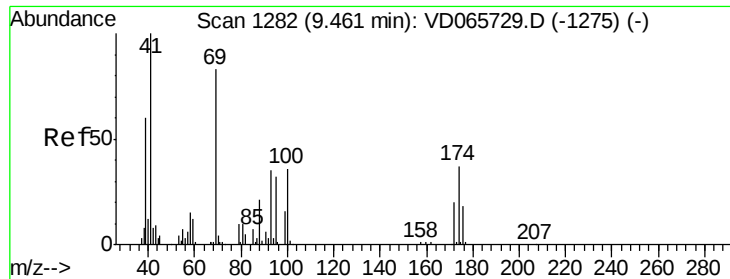
69 79.3 64.4 96.6

39 55.7 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

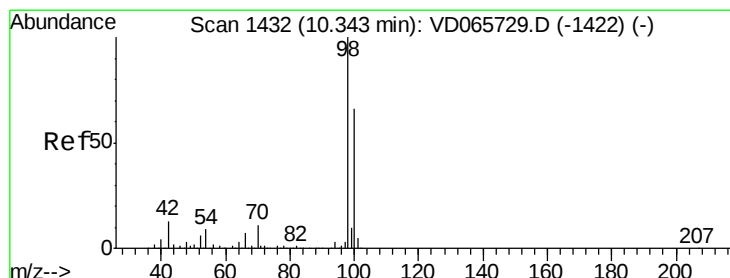
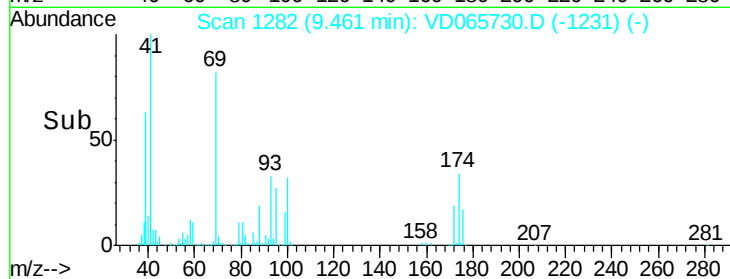
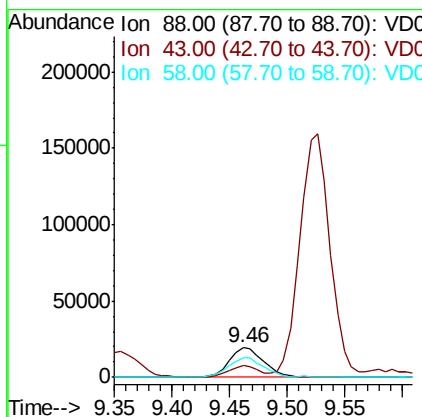
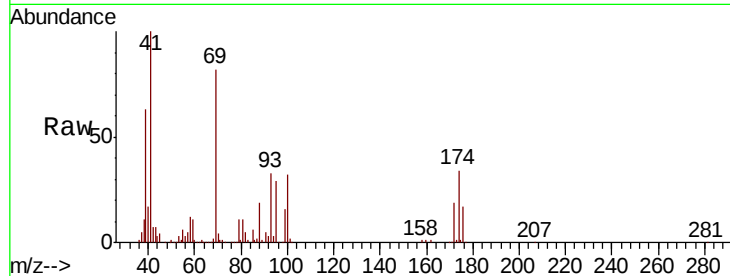




#49
 1,4-Dioxane
 Concen: 1747.259 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

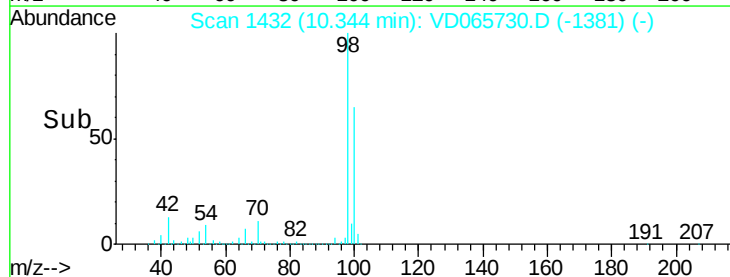
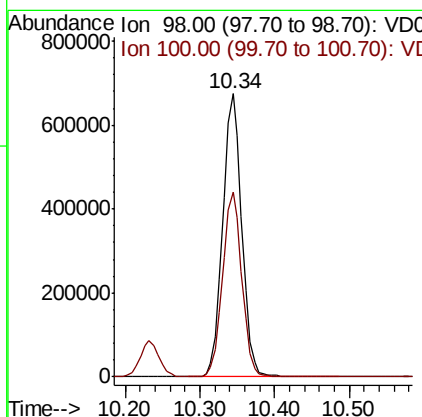
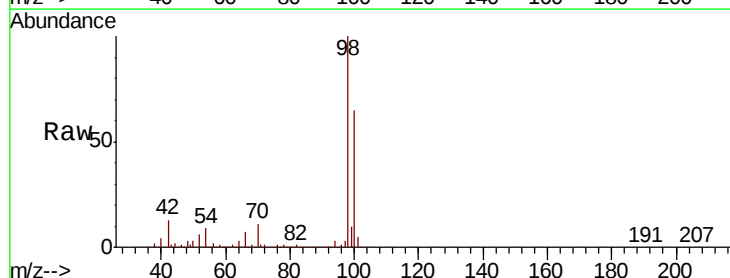
Instrument :
 MSVOA_D
 ClientSampleId :

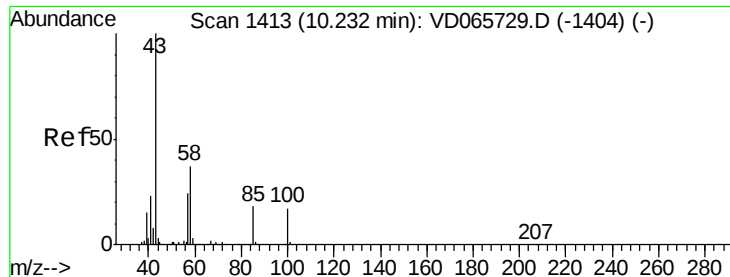
Tot Ion: 88 Resp: 40290
 Ion Ratio Lower Upper
 88 100
 43 36.3 29.4 44.0
 58 67.7 55.1 82.7



#50
 Toluene-d8
 Concen: 93.271 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion: 98 Resp: 1199778
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.5 78.7

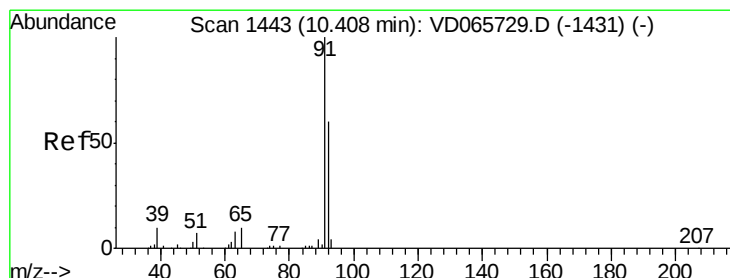
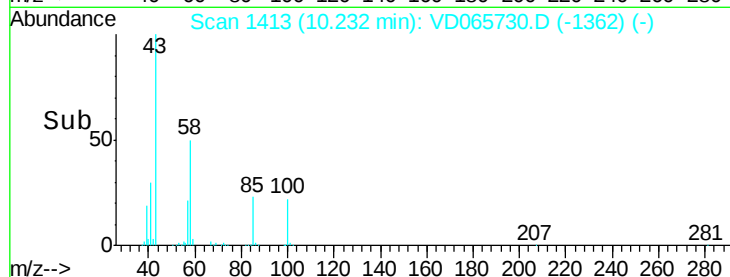
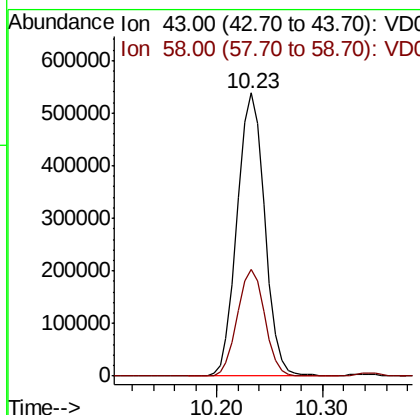
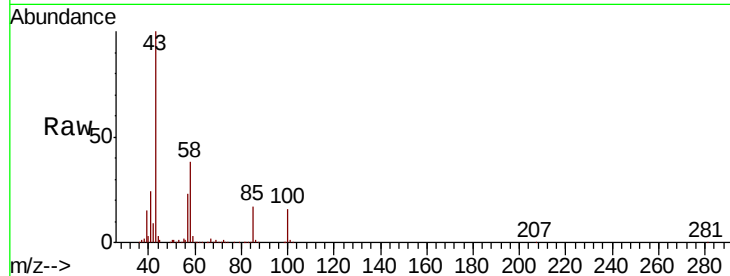




#51
4-Methyl-2-Pentanone
Concen: 400.037 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

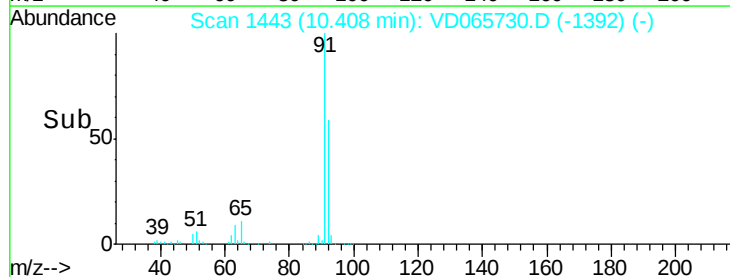
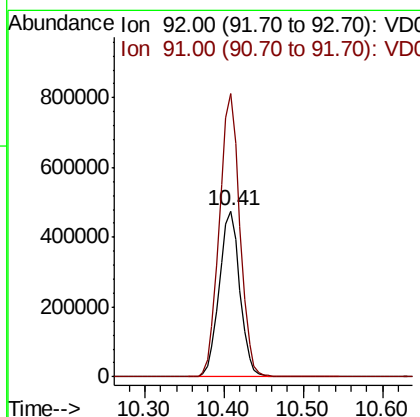
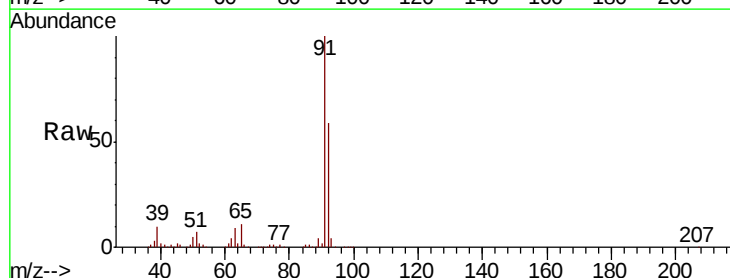
Instrument :
MSVOA_D
ClientSampled :

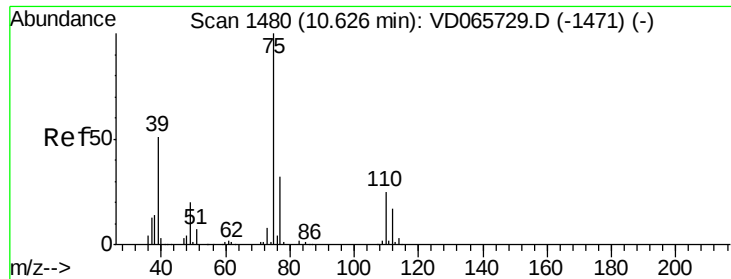
Tot Ion: 43 Resp: 972229
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.2



#52
Toluene
Concen: 91.985 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 92 Resp: 854856
Ion Ratio Lower Upper
92 100
91 170.5 136.6 205.0

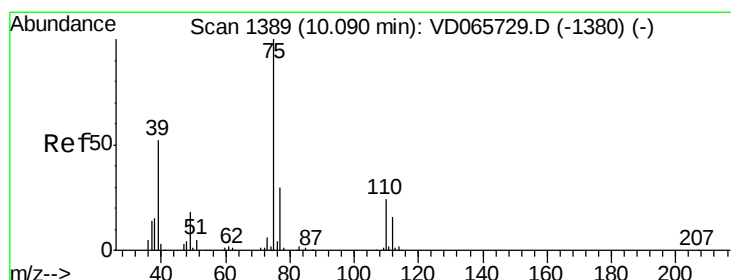
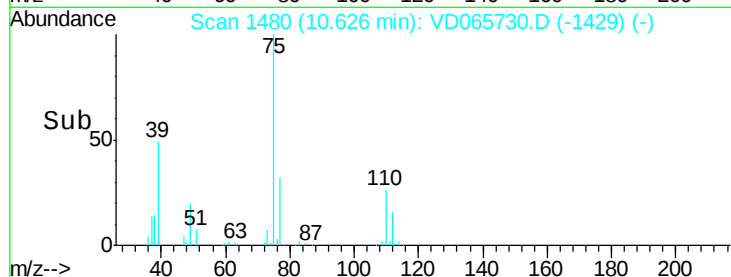
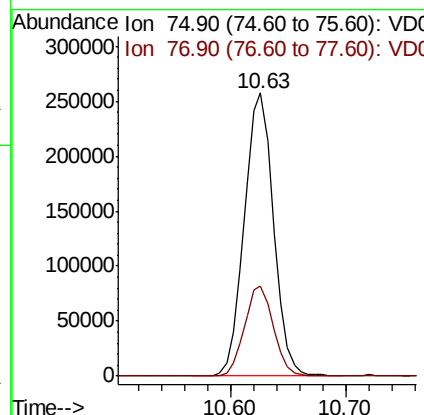
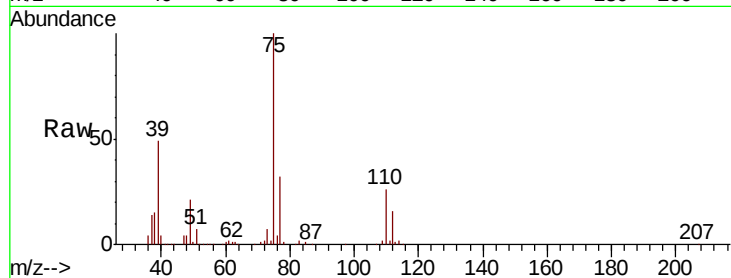




#53
t-1,3-Dichloropropene
Concen: 88.575 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

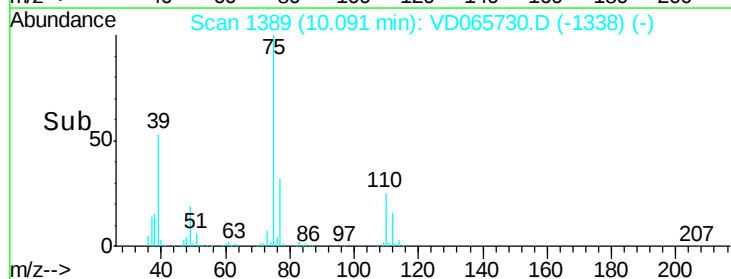
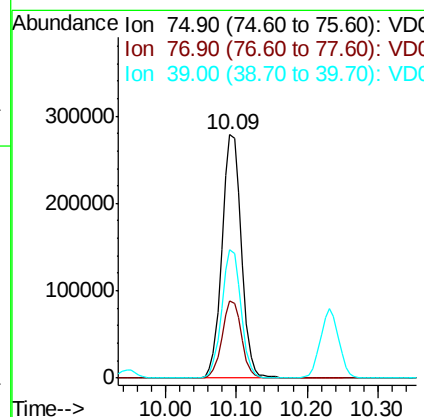
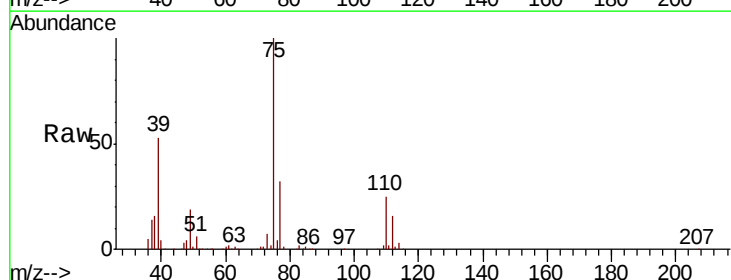
Instrument :
MSVOA_D
ClientSampleId :

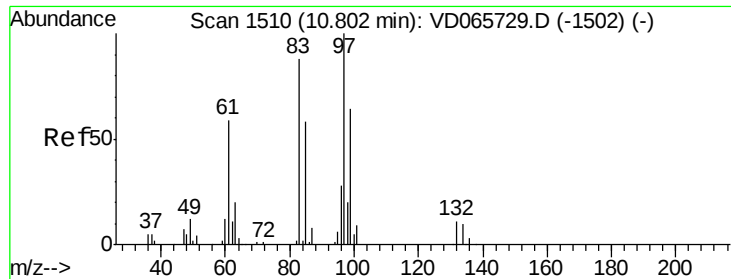
Tot Ion: 75 Resp: 452222
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 87.814 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 75 Resp: 531022
Ion Ratio Lower Upper
75 100
77 31.6 23.8 35.6
39 52.8 41.9 62.9

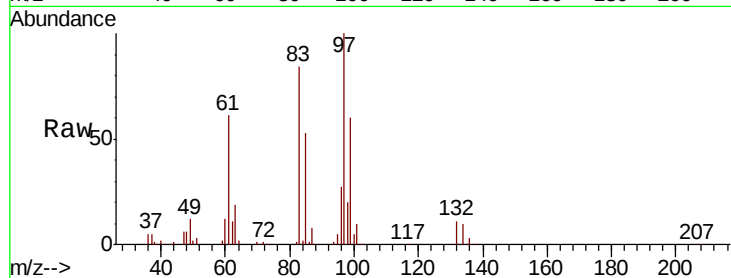




#55
 1,1,2-Trichloroethane
 Concen: 93.958 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	240335
Ion	Ratio	Lower	Upper
97	100		
83	83.7	70.7	106.1
85	52.8	46.8	70.2
99	60.4	50.9	76.3



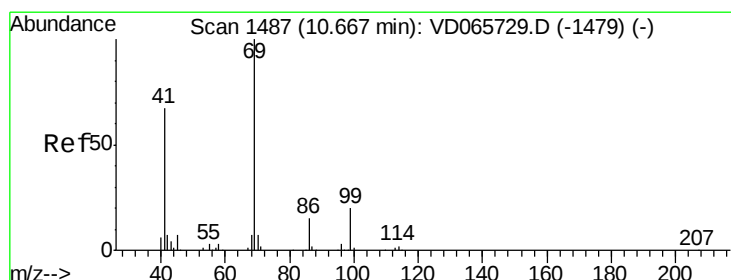
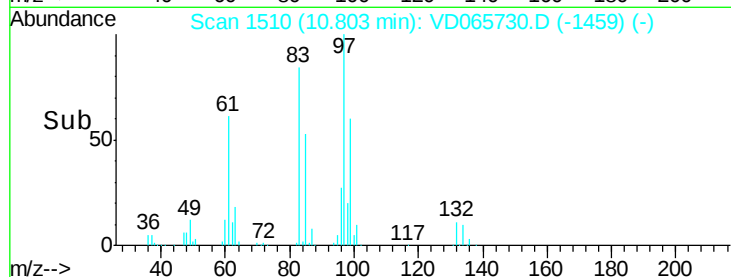
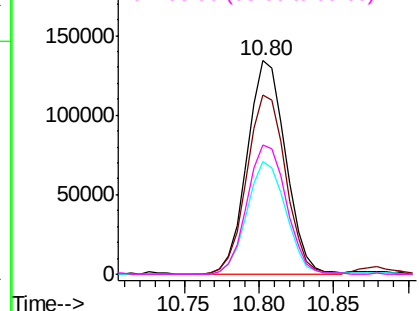
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

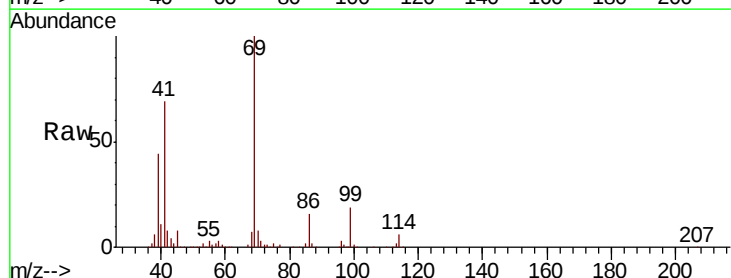
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 85.477 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion:	69	Resp:	312199
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.7	83.5
39	37.4	28.6	43.0

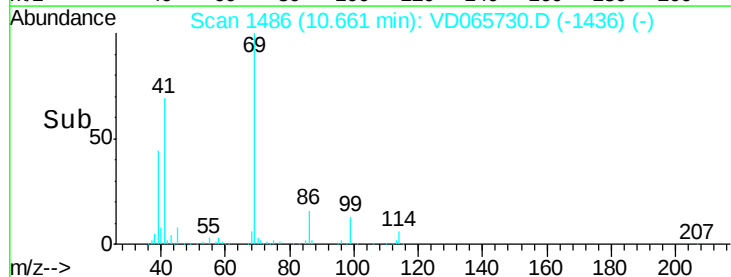
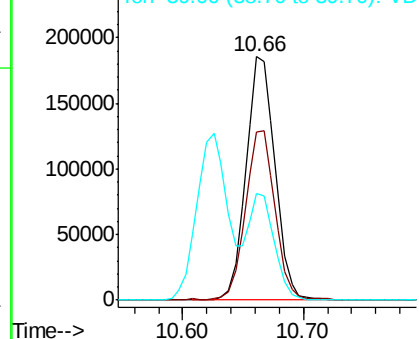


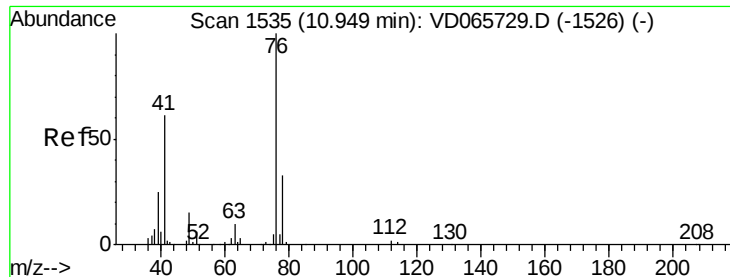
Abundance

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: 89.381 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

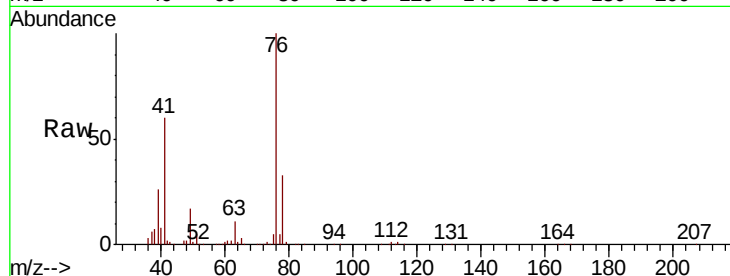
ClientSampleId :

Tot Ion: 76 Resp: 409598

Ion Ratio Lower Upper

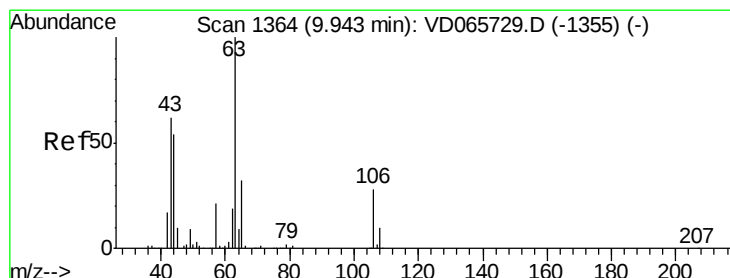
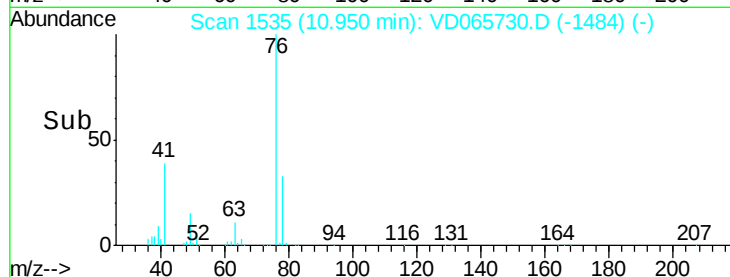
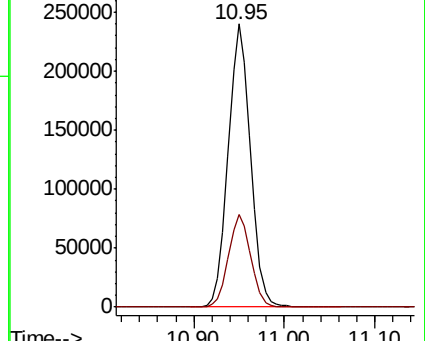
76 100

78 32.9 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 413.509 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065730.D

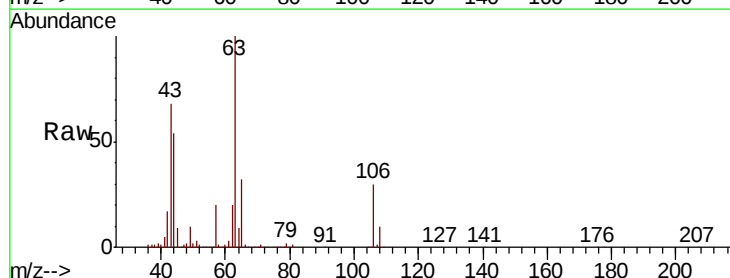
Acq: 13 May 2020 13:48

Tgt Ion: 63 Resp: 698915

Ion Ratio Lower Upper

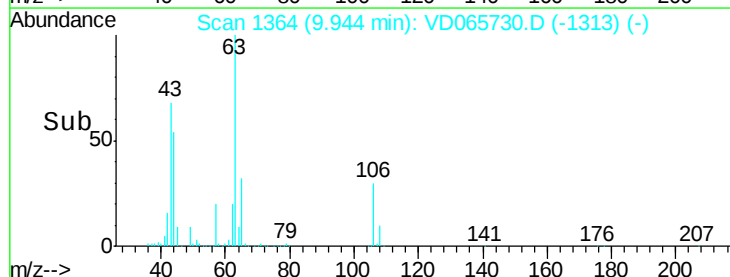
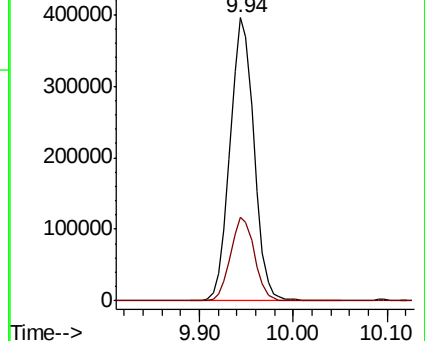
63 100

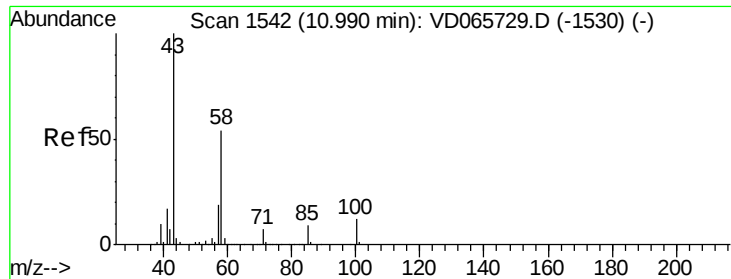
106 29.7 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

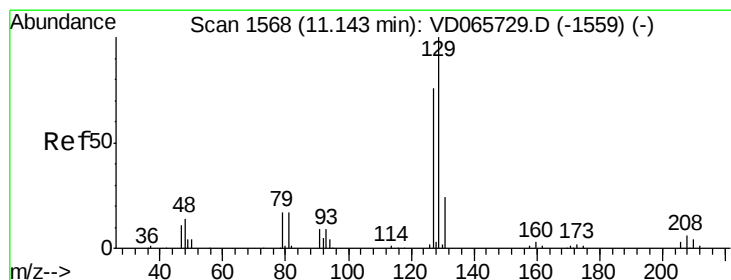
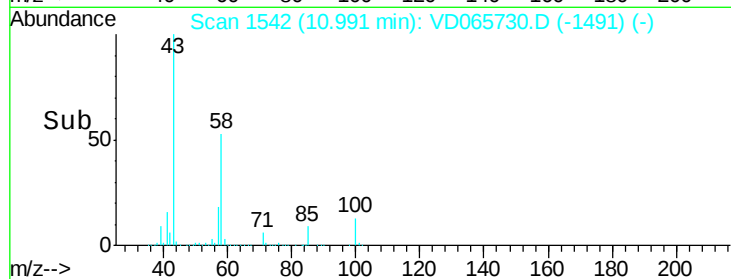
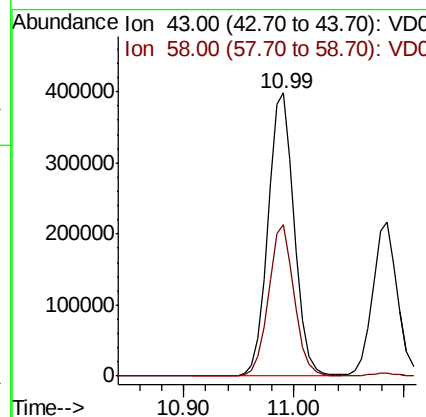
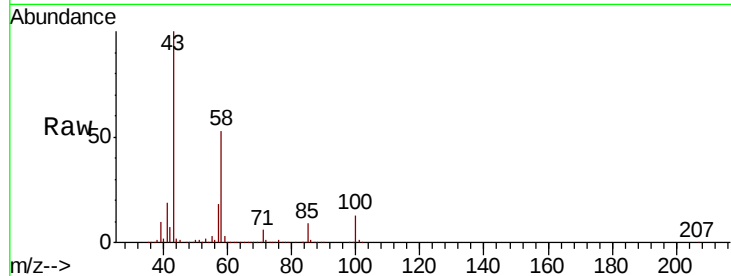




#59
2-Hexanone
Concen: 396.722 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

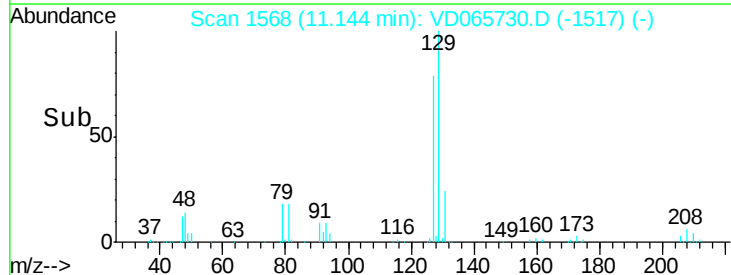
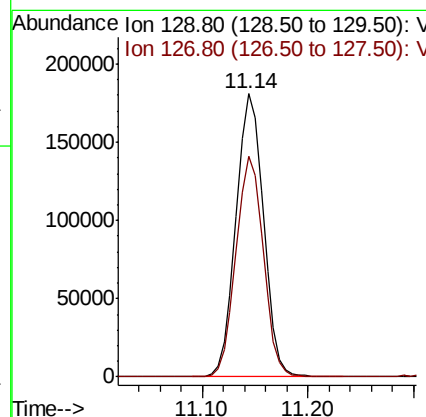
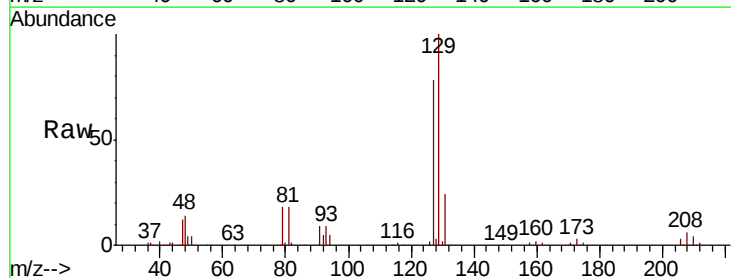
Instrument :
MSVOA_D
ClientSampleId :

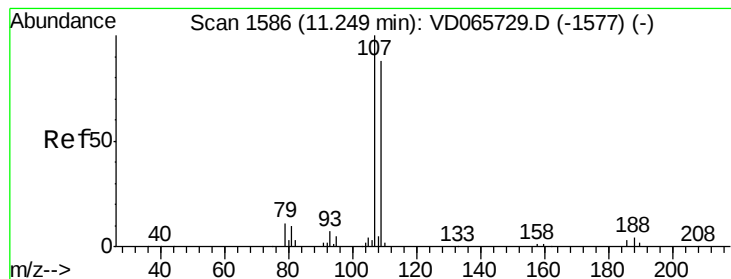
Tot Ion: 43 Resp: 660583
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.1



#60
Dibromochloromethane
Concen: 94.185 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 129 Resp: 326235
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

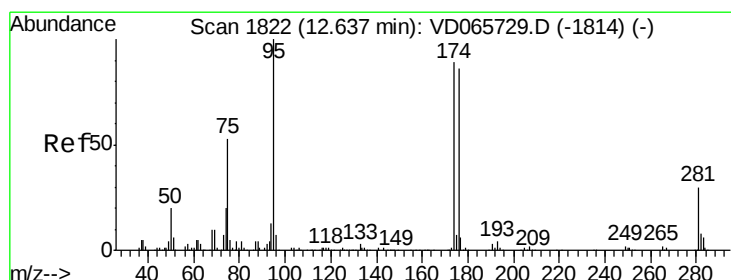
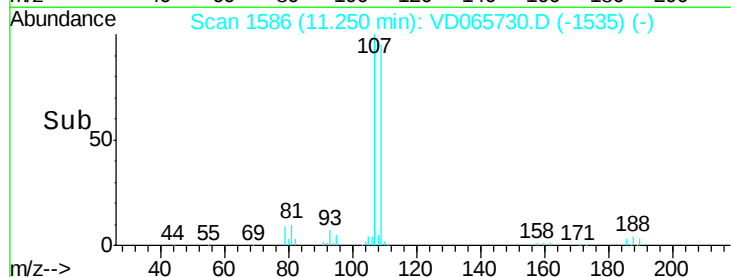
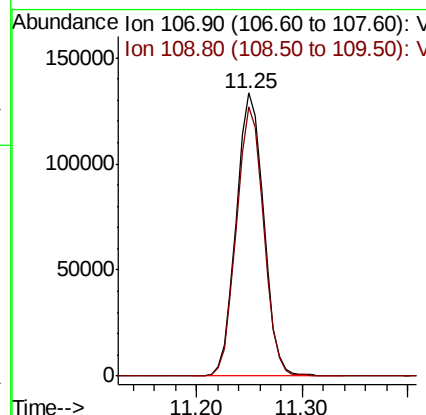
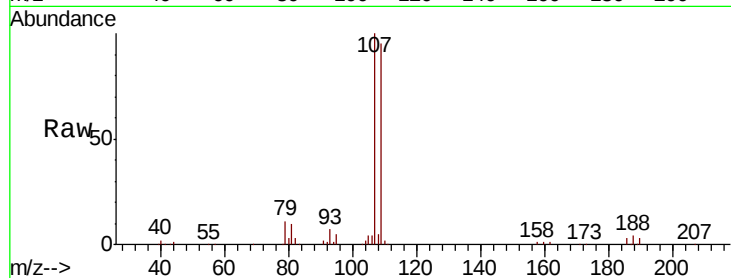




#61
 1,2-Dibromoethane
 Concen: 92.801 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

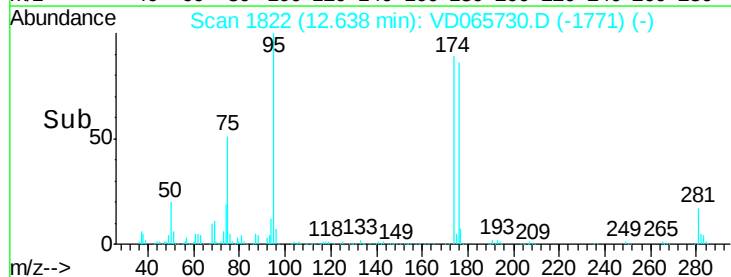
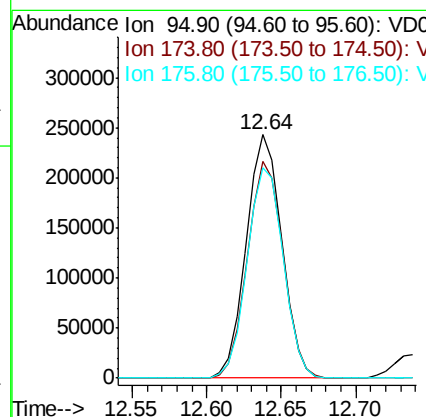
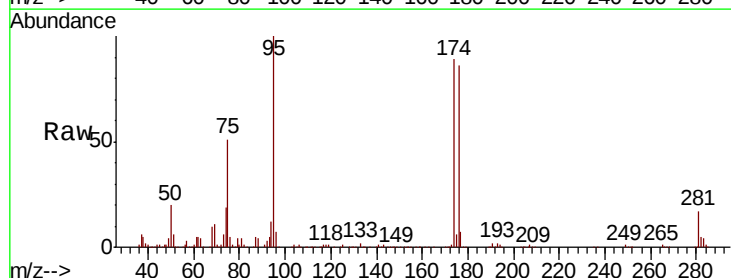
Instrument :
 MSVOA_D
 ClientSampleId :

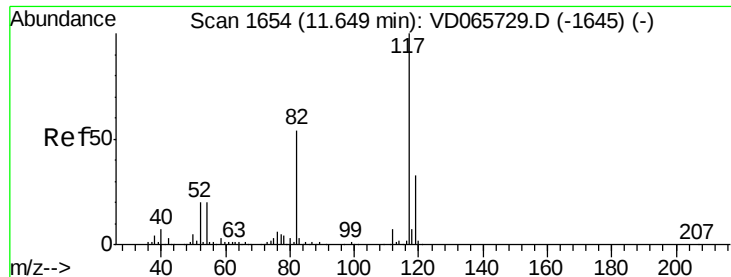
Tot Ion:107 Resp: 238886
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 88.259 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion: 95 Resp: 400379
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 179.4
 176 87.8 0.0 174.0

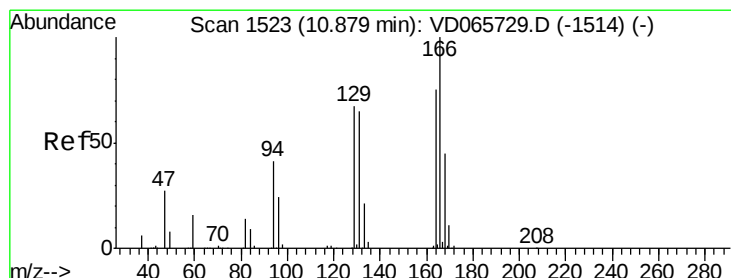
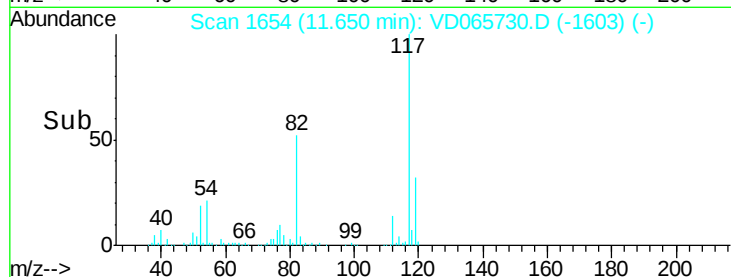
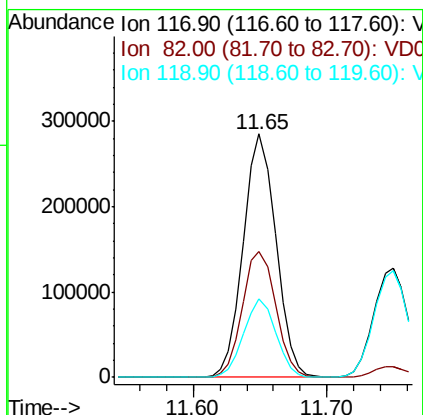
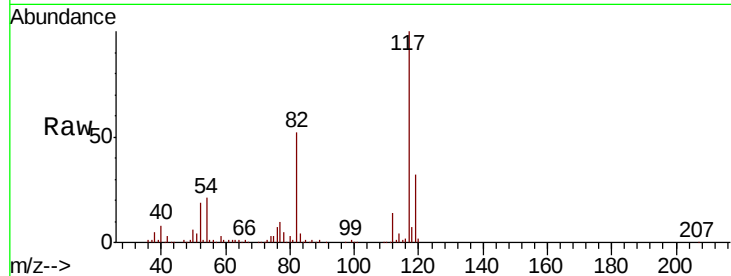




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

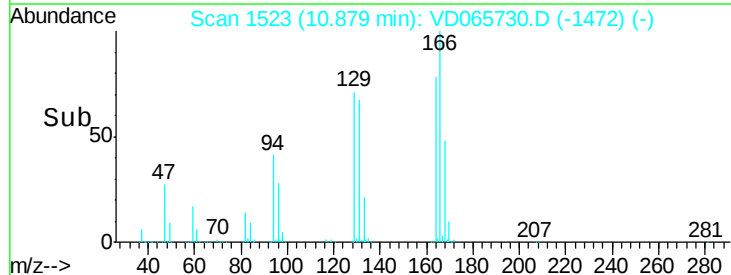
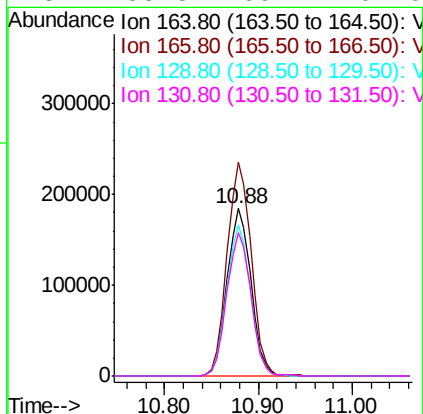
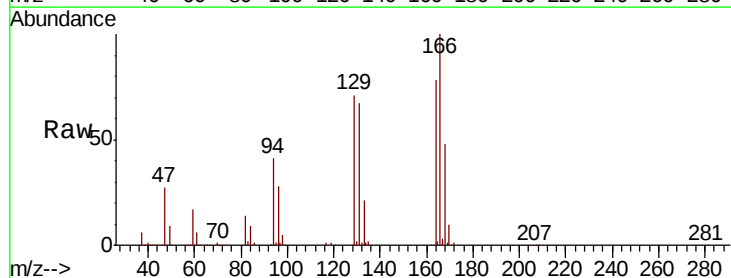
Instrument :
MSVOA_D
ClientSampled :

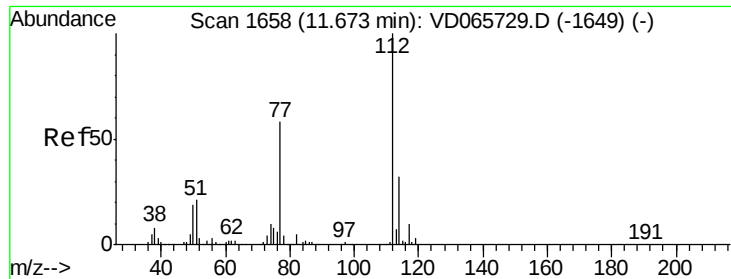
Tot Ion:117 Resp: 483884
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.6
119 32.1 26.6 40.0



#64
Tetrachloroethene
Concen: 95.823 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion:164 Resp: 326438
Ion Ratio Lower Upper
164 100
166 127.8 106.6 159.8
129 90.2 71.4 107.2
131 85.8 69.4 104.0

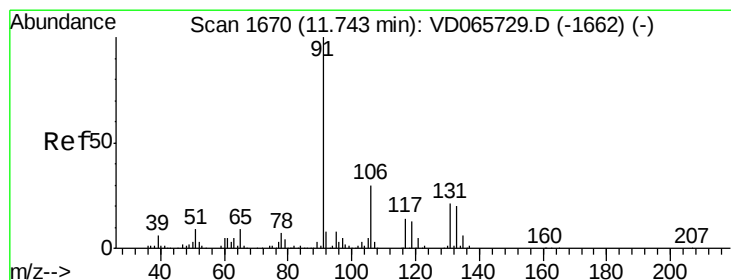
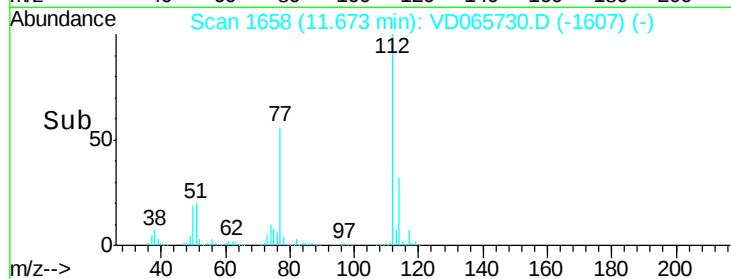
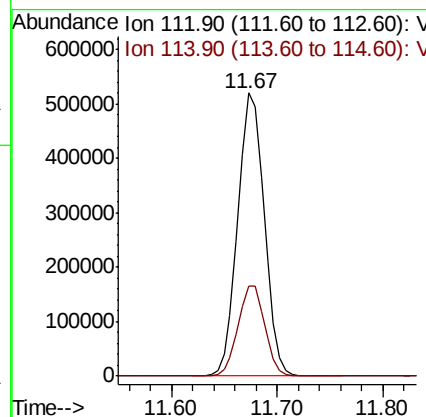
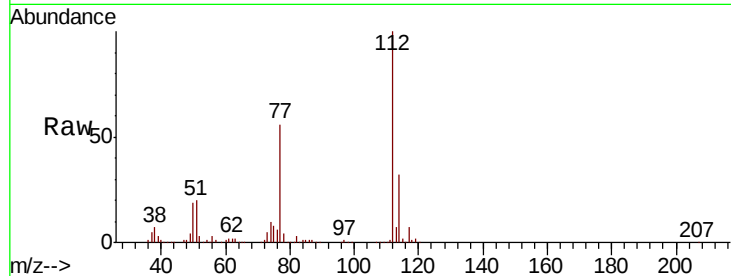




#65
Chlorobenzene
Concen: 93.981 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

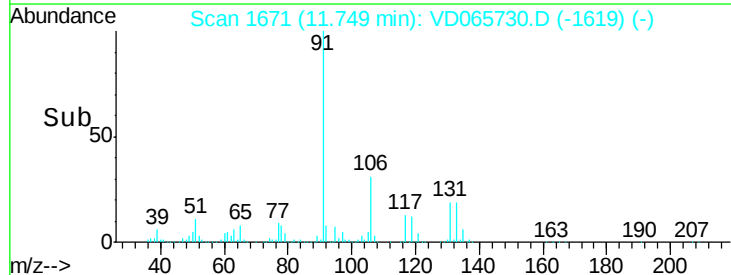
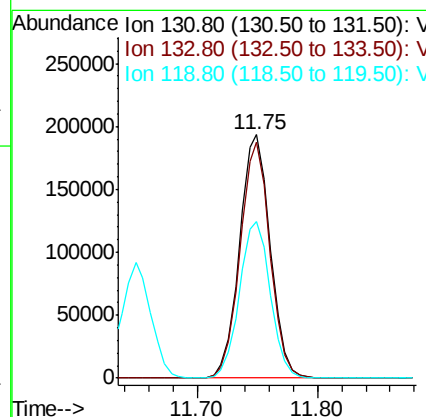
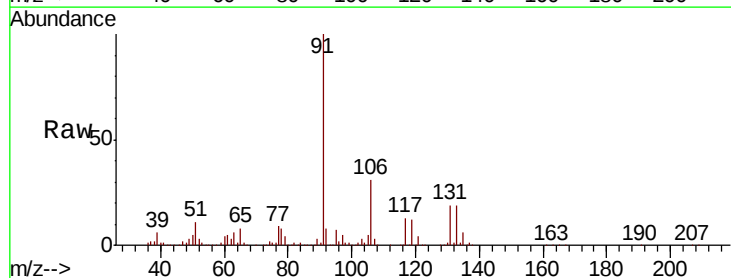
Instrument :
MSVOA_D
ClientSampled :

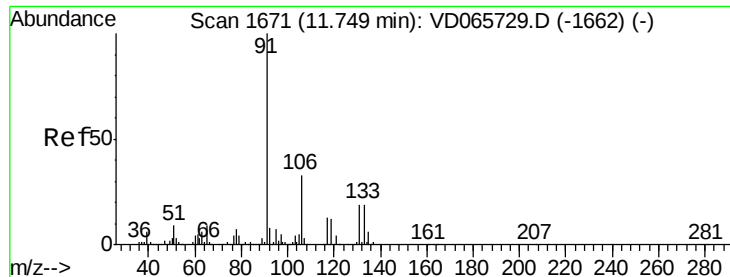
Tot Ion:112 Resp: 903547
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 95.433 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion:131 Resp: 341538
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.8
119 64.7 31.6 95.0





#67

Ethyl Benzene

Concen: 92.030 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

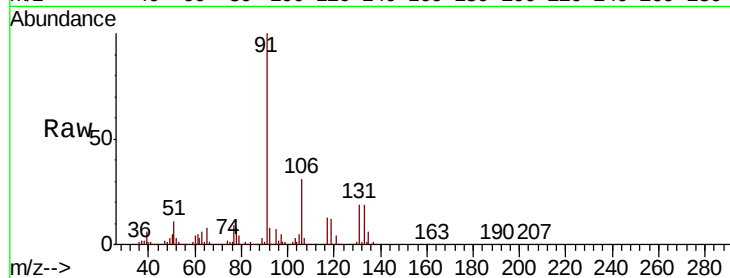
ClientSampled :

Tot Ion: 91 Resp: 1639850

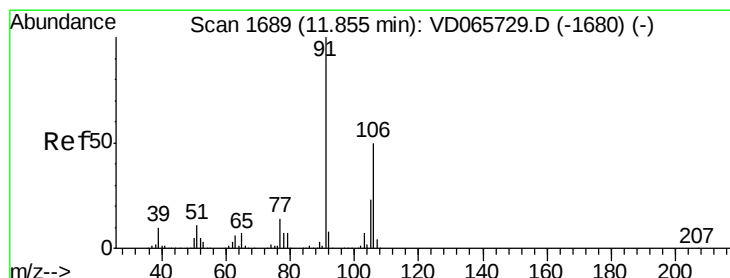
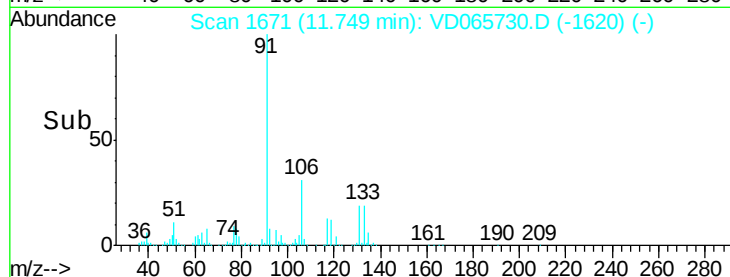
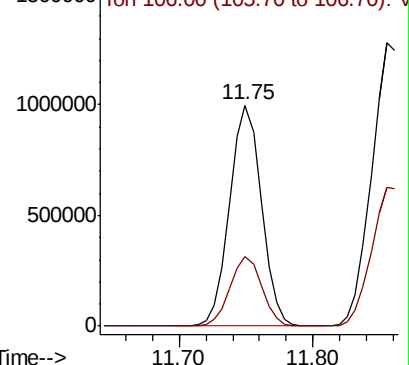
Ion Ratio Lower Upper

91 100

106 31.3 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 186.300 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065730.D

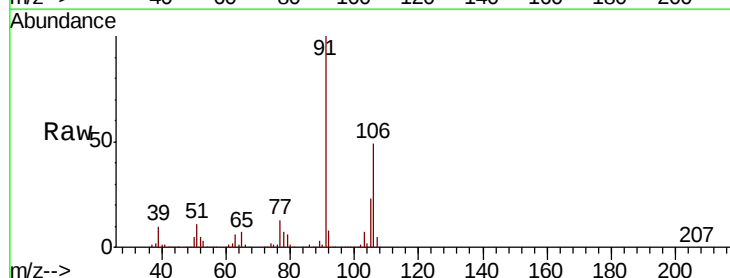
Acq: 13 May 2020 13:48

Tgt Ion:106 Resp: 1242415

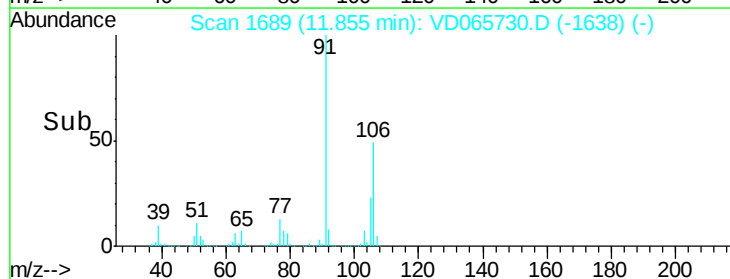
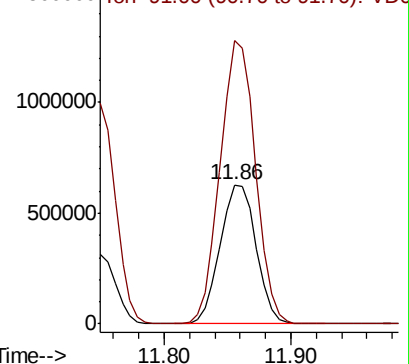
Ion Ratio Lower Upper

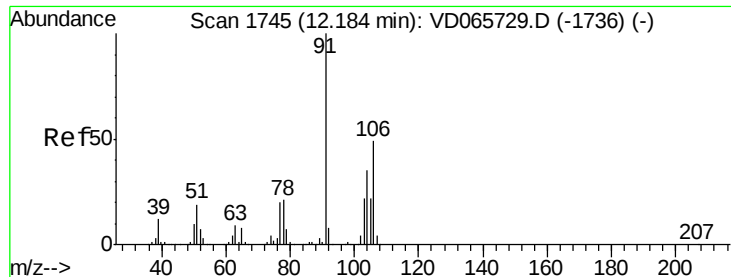
106 100

91 199.1 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): V

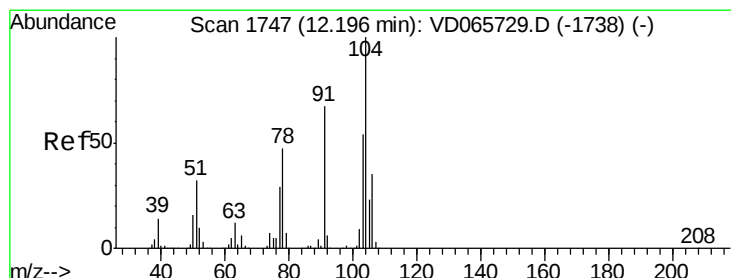
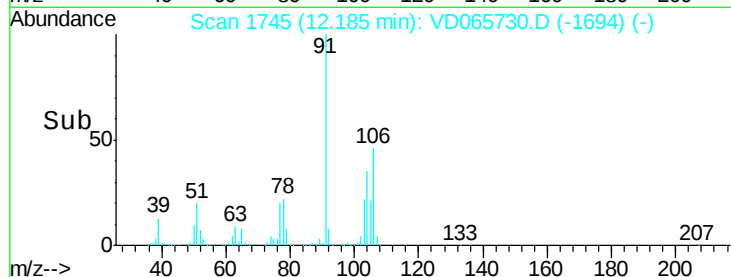
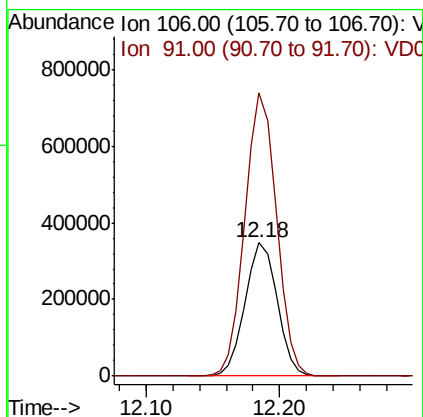
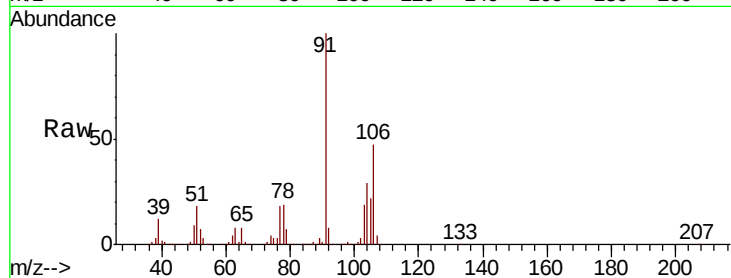




#69
o-Xylene
Concen: 92.767 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

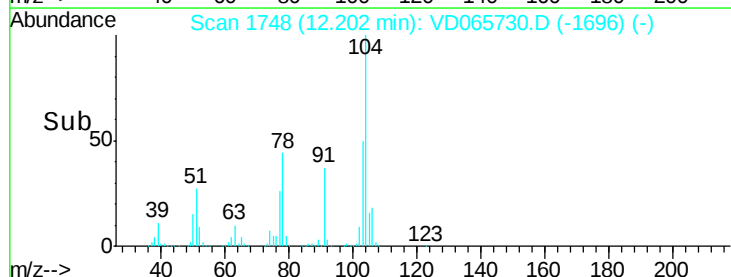
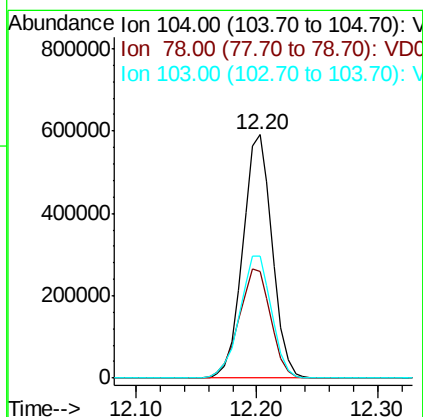
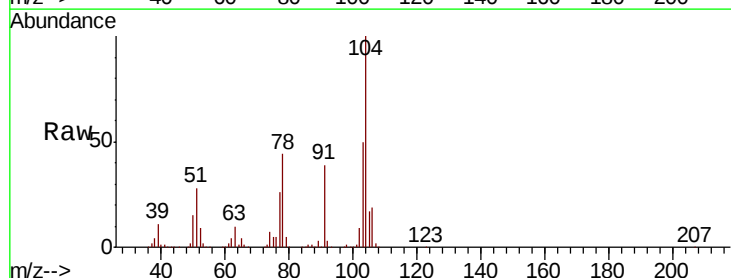
Instrument :
MSVOA_D
ClientSampled :

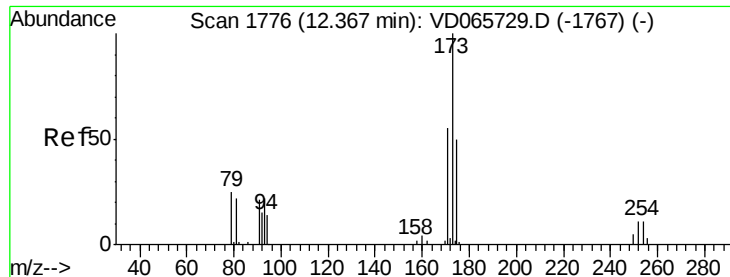
Tot Ion:106 Resp: 577506
Ion Ratio Lower Upper
106 100
91 209.8 101.8 305.4



#70
Styrene
Concen: 93.333 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion:104 Resp: 996723
Ion Ratio Lower Upper
104 100
78 49.0 39.0 58.6
103 54.3 44.0 66.0





#71

Bromoform

Concen: 97.613 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

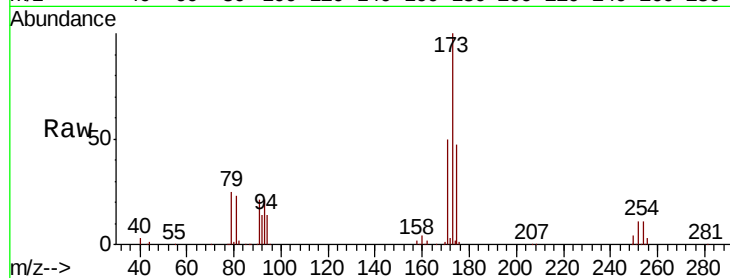
Tot Ion:173 Resp: 196825

Ion Ratio Lower Upper

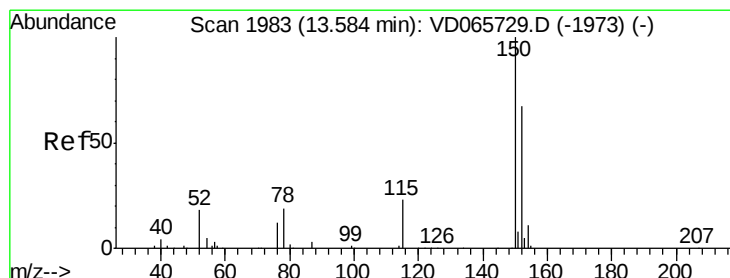
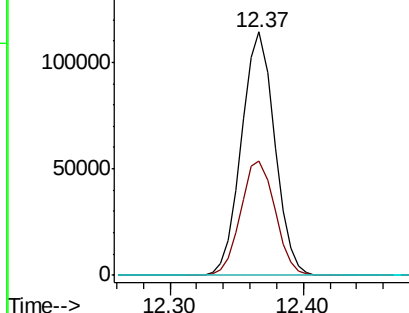
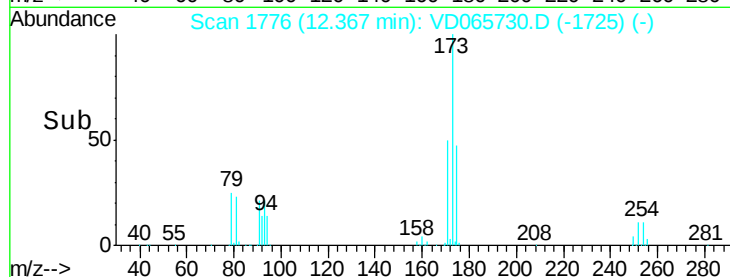
173 100

175 48.4 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: VD065730.D

Acq: 13 May 2020 13:48

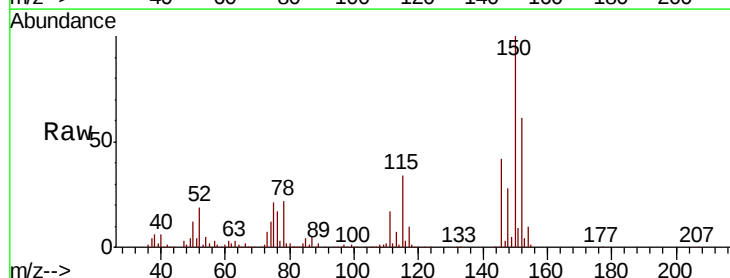
Tgt Ion:152 Resp: 234735

Ion Ratio Lower Upper

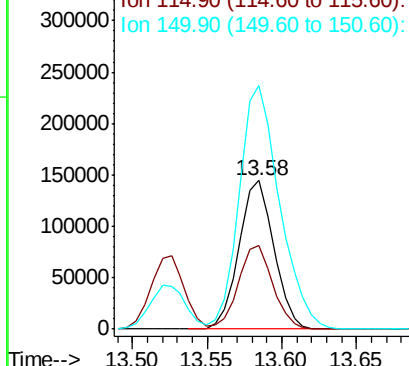
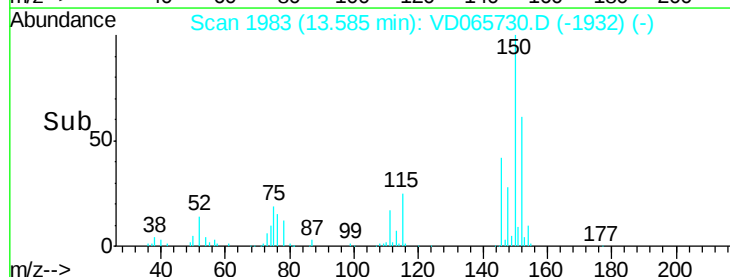
152 100

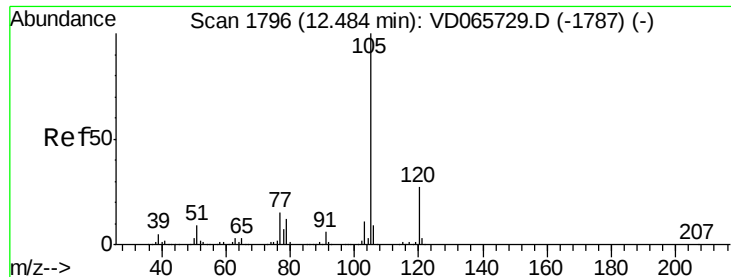
115 55.6 28.1 84.3

150 188.9 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: 91.855 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

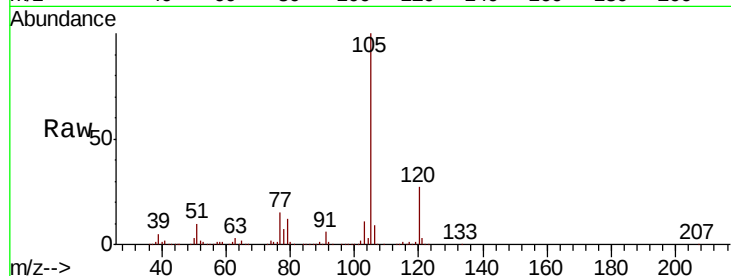
ClientSampled :

Tot Ion:105 Resp: 1598302

Ion Ratio Lower Upper

105 100

120 27.1 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

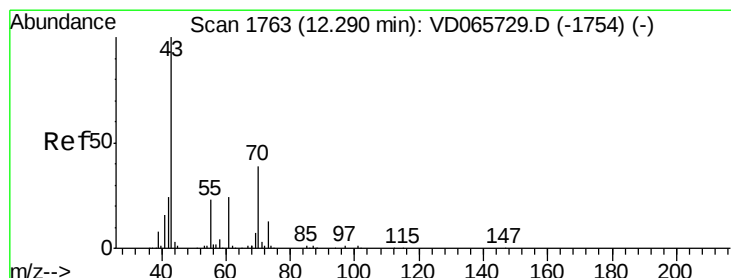
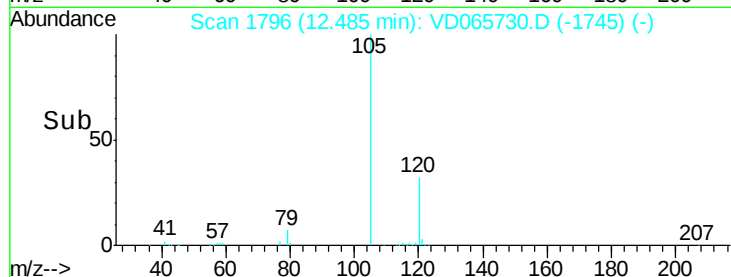
200000

0

12.40

12.48

Time-->



#74

N-ethyl acetate

Concen: 77.929 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Tgt Ion: 43 Resp: 376552

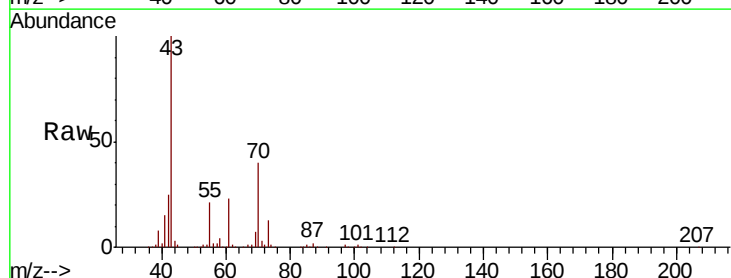
Ion Ratio Lower Upper

43 100

70 40.3 31.8 47.6

55 21.8 17.9 26.9

61 23.2 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

200000

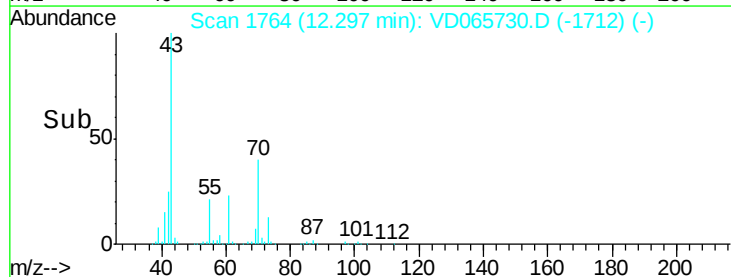
100000

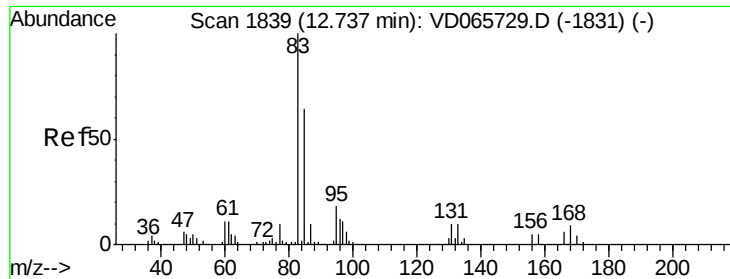
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 87.328 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

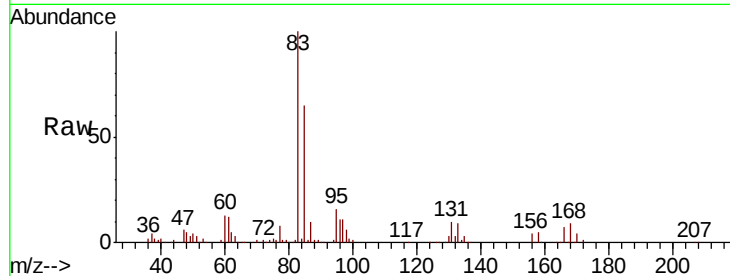
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 252757

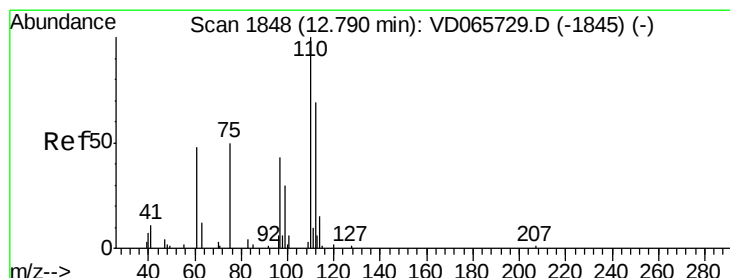
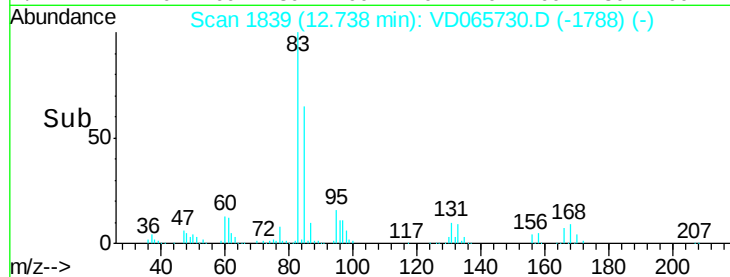
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.9	17.6
85	63.4	32.5	97.4



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: 173.005 ug/l

RT: 12.79 min Scan# 1848

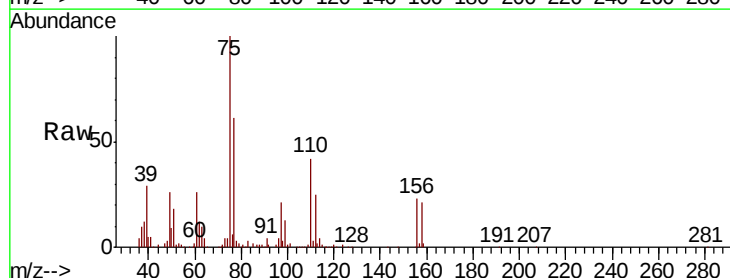
Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

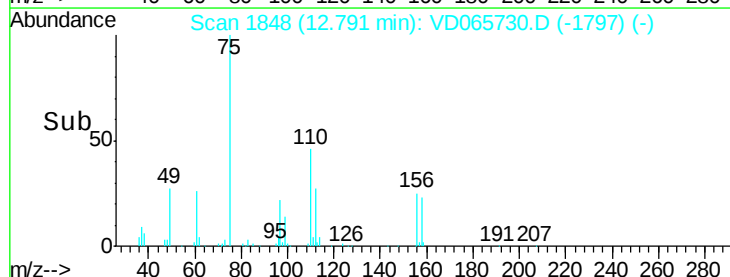
Tgt Ion: 75 Resp: 336908

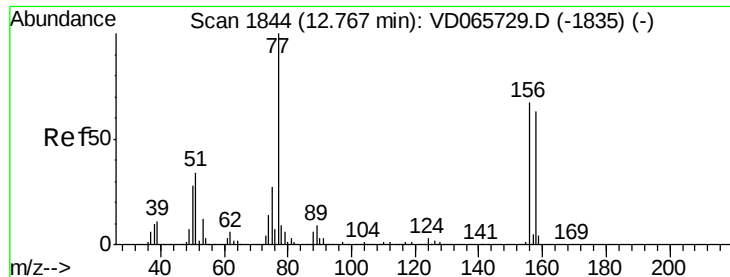
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 94.983 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

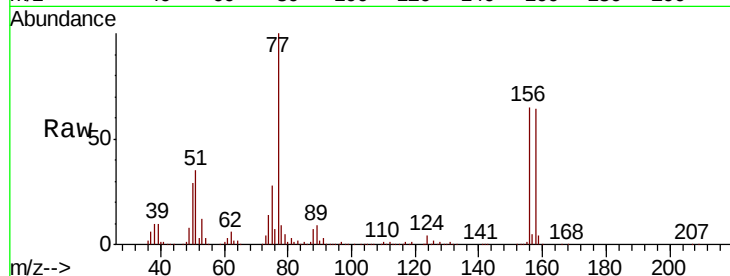
Tot Ion:156 Resp: 382000

Ion Ratio Lower Upper

156 100

77 167.2 84.9 254.6

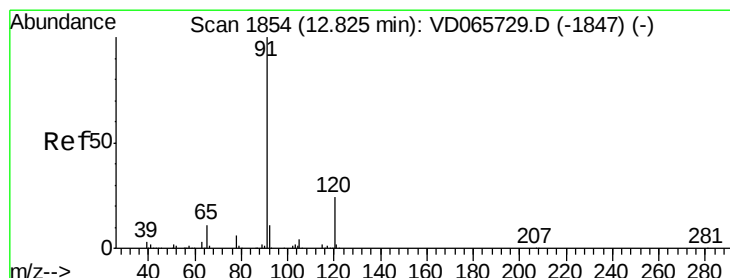
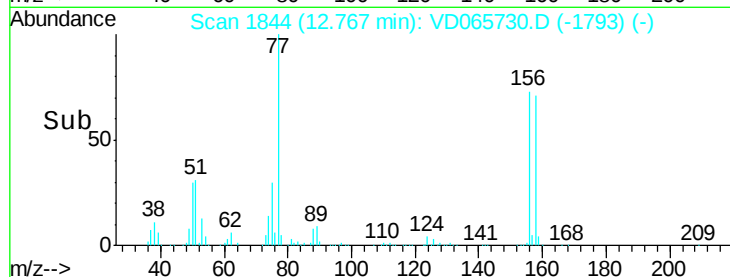
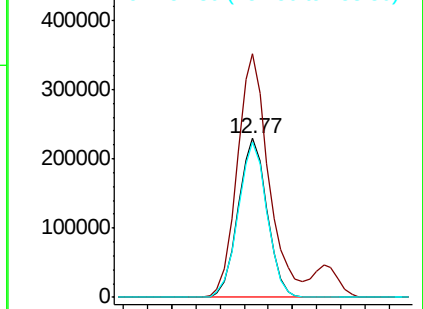
158 97.4 48.8 146.4



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: 90.705 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065730.D

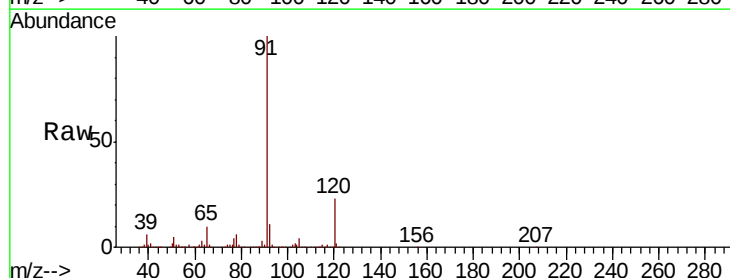
Acq: 13 May 2020 13:48

Tgt Ion: 91 Resp: 1853051

Ion Ratio Lower Upper

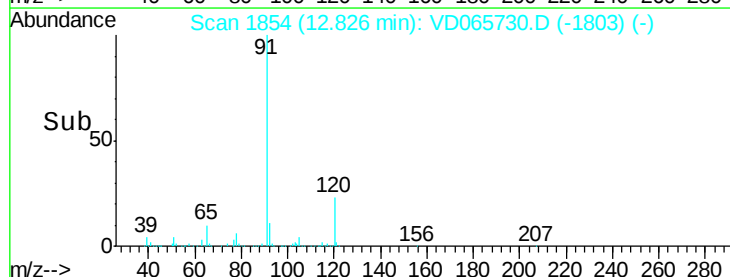
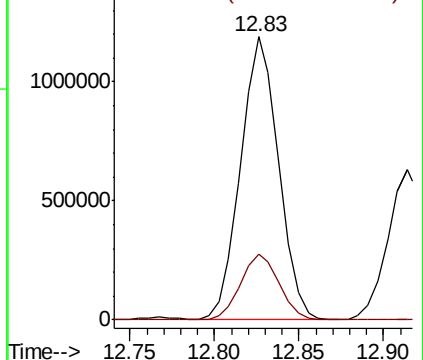
91 100

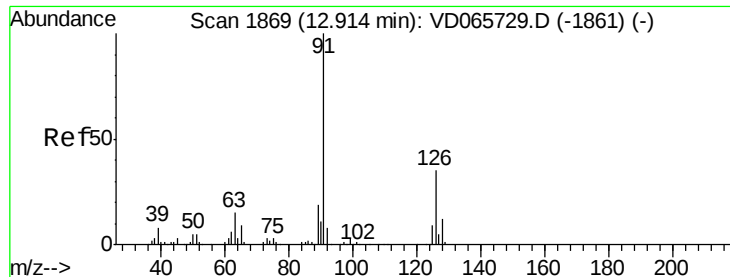
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

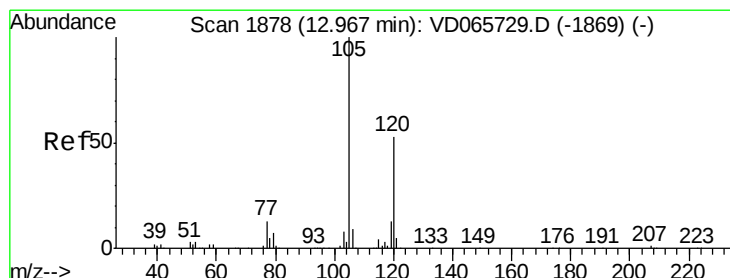
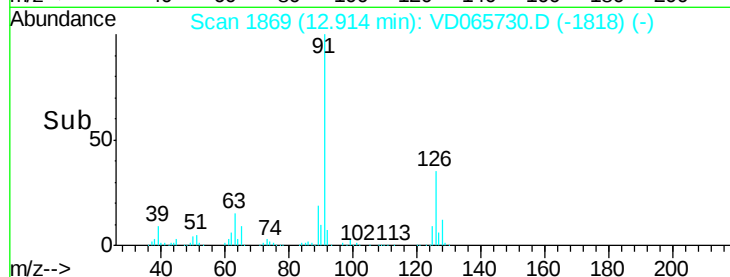
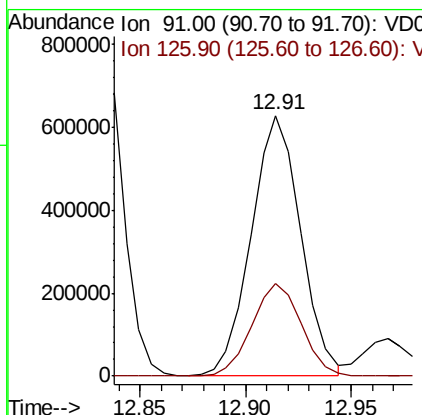
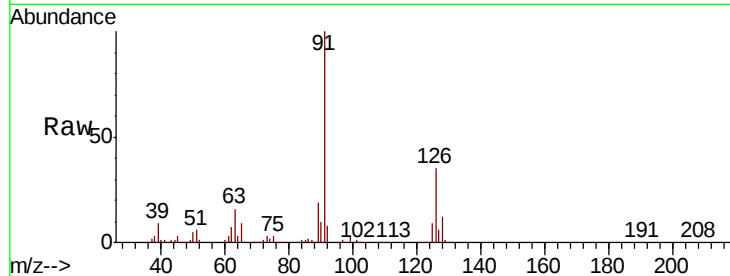




#79
 2-Chlorotoluene
 Concen: 88.450 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

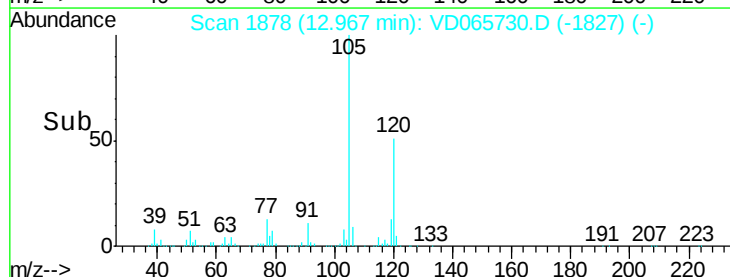
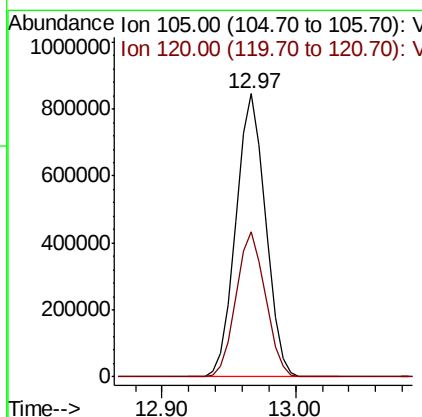
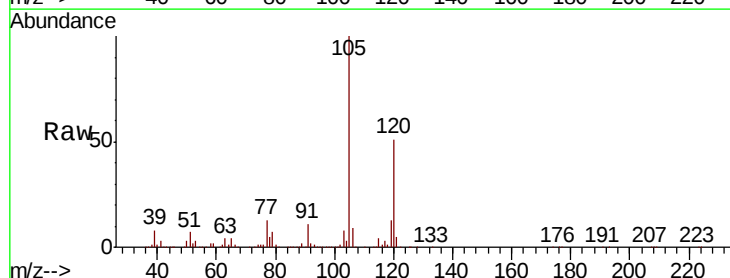
Instrument :
 MSVOA_D
 ClientSampleId :

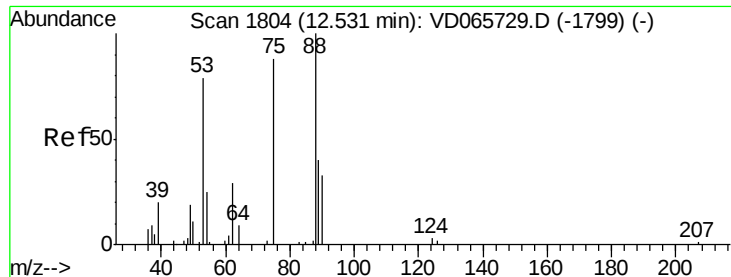
Tot Ion: 91 Resp: 1019649
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 91.508 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion:105 Resp: 1304250
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 85.802 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

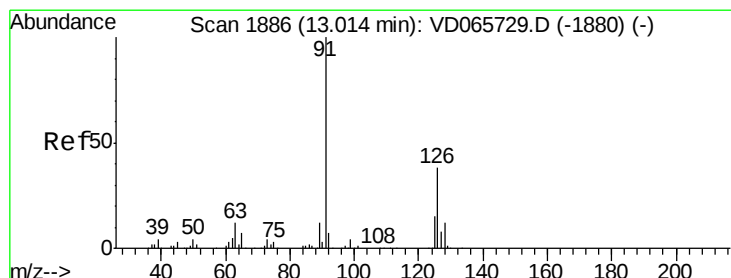
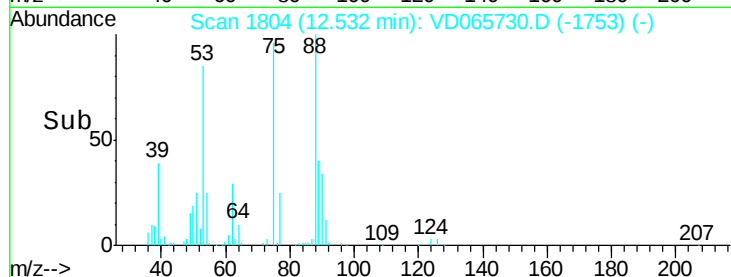
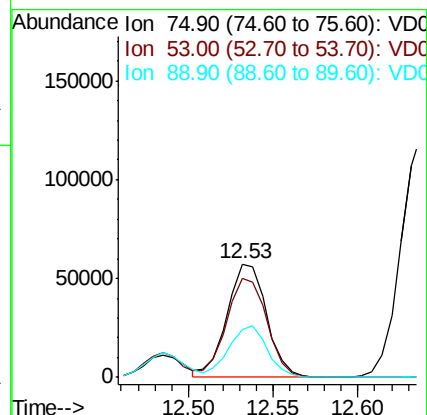
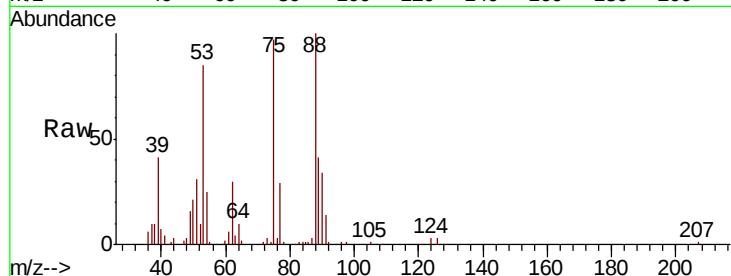
Tot Ion: 75 Resp: 92793

Ion Ratio Lower Upper

75 100

53 89.4 72.6 109.0

89 44.3 37.0 55.4



#82

4-Chlorotoluene

Concen: 88.088 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065730.D

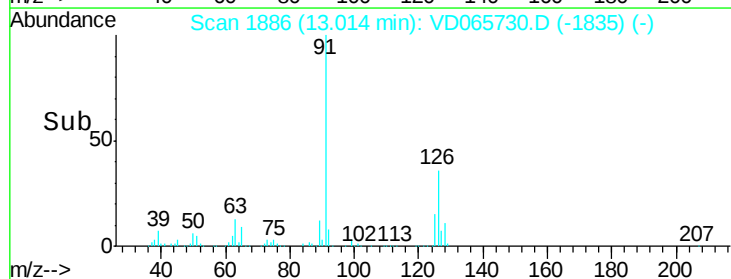
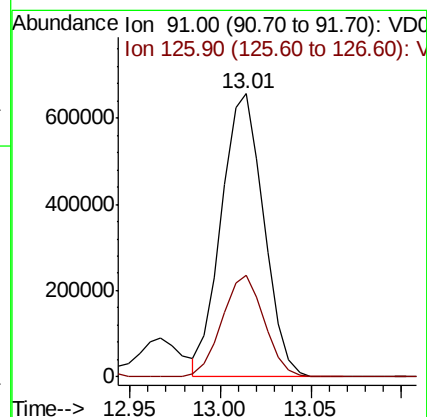
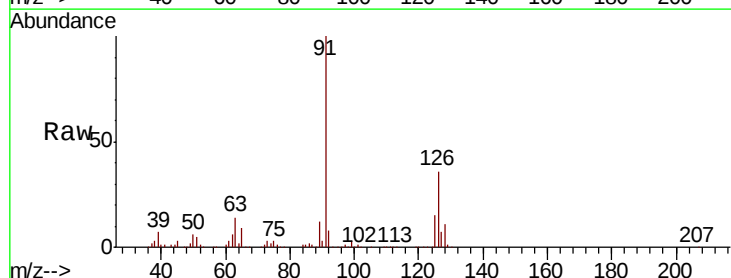
Acq: 13 May 2020 13:48

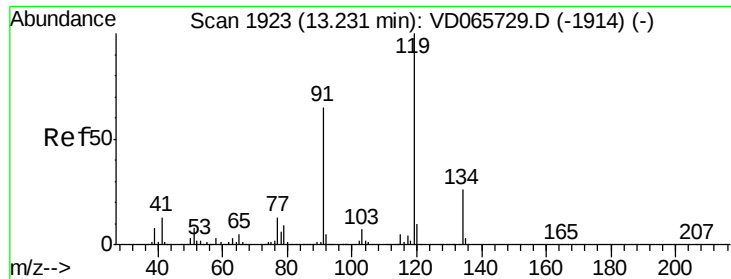
Tgt Ion: 91 Resp: 1064074

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.3

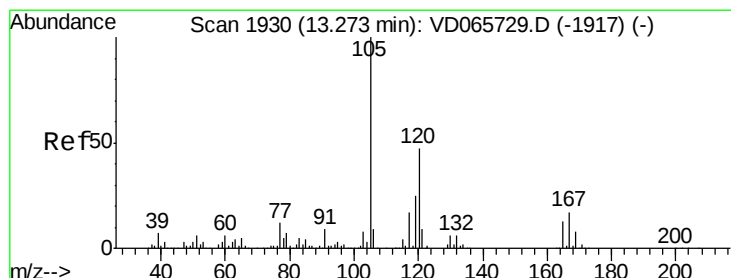
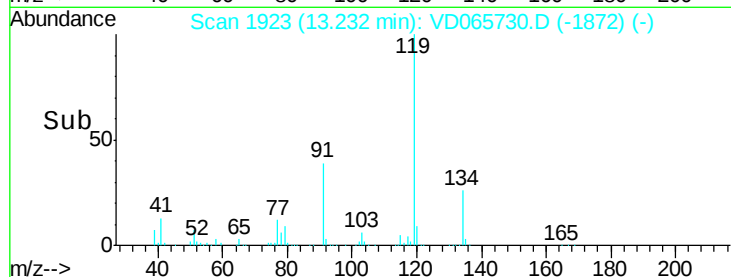
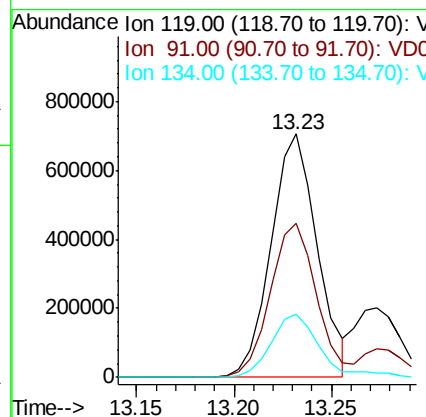
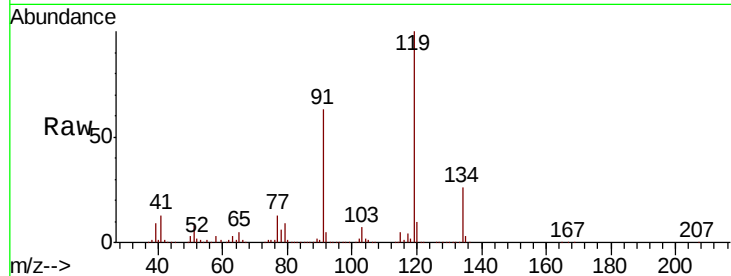




#83
tert-Butylbenzene
Concen: 94.748 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

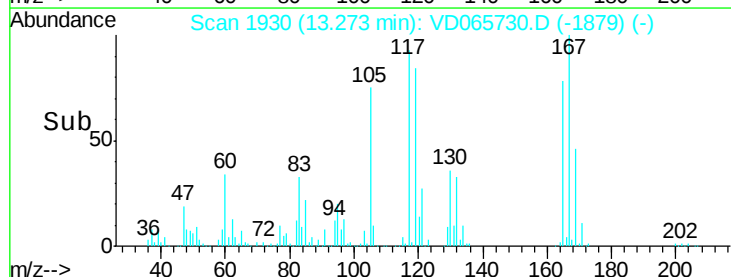
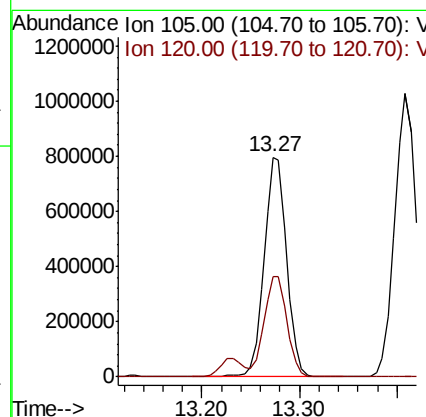
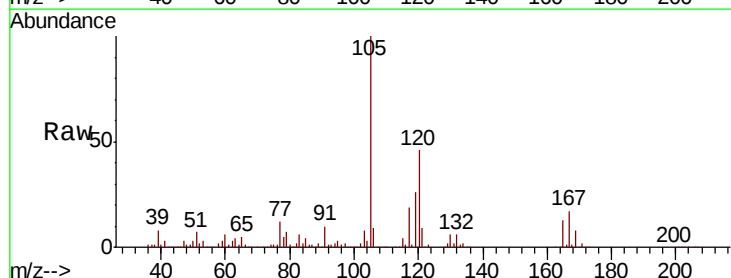
Instrument :
MSVOA_D
ClientSampleId :

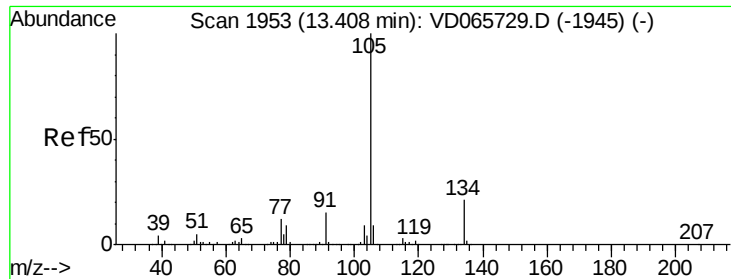
Tot Ion:119 Resp: 1157747
Ion Ratio Lower Upper
119 100
91 63.7 31.6 95.0
134 27.5 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 90.795 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion:105 Resp: 1291025
Ion Ratio Lower Upper
105 100
120 46.2 23.6 70.8

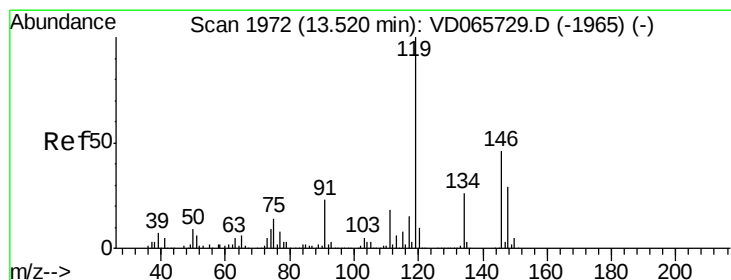
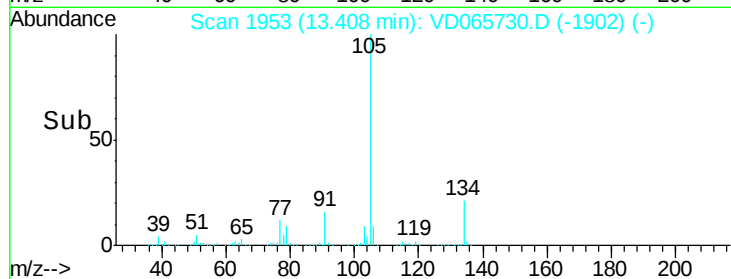
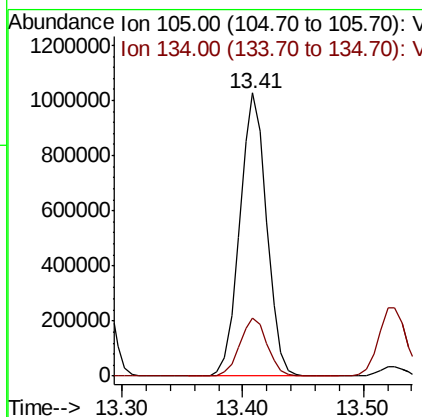
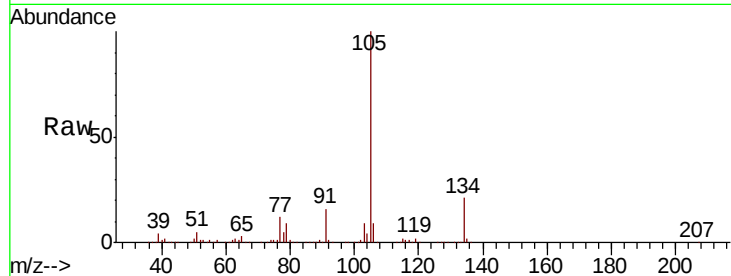




#85
 sec-Butylbenzene
 Concen: 93.500 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

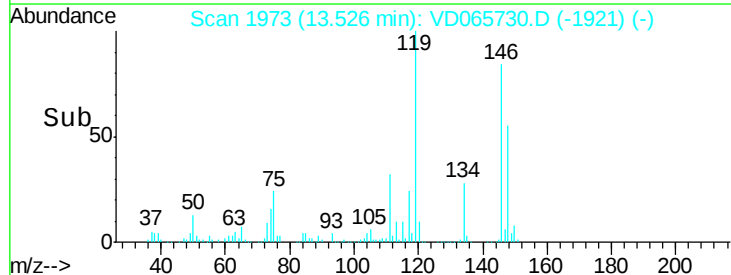
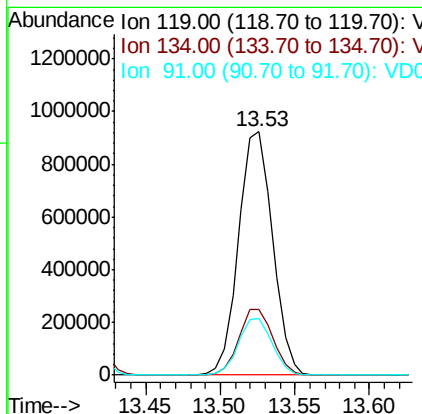
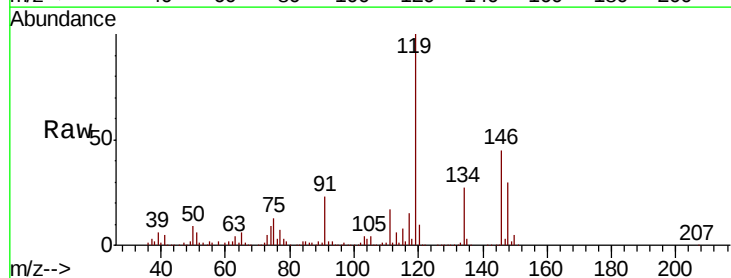
Instrument :
 MSVOA_D
 ClientSampled :

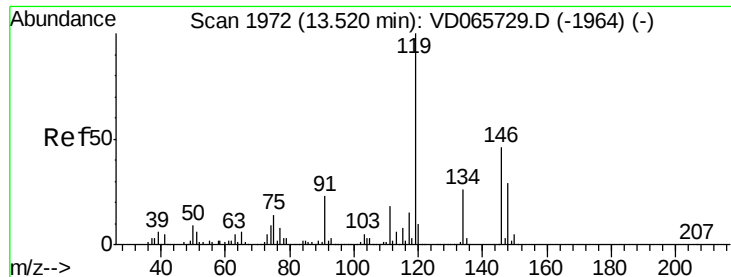
Tot Ion:105 Resp: 1590896
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 93.983 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion:119 Resp: 1462197
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.7
 91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 93.912 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampled :

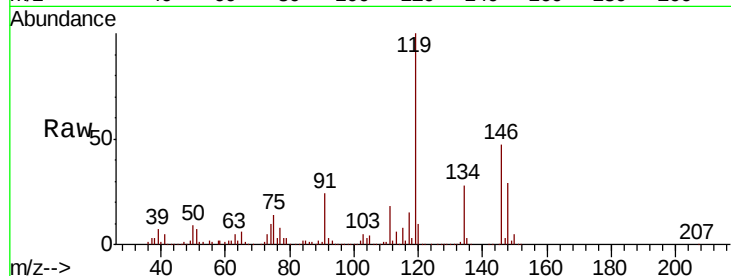
Tot Ion:146 Resp: 708283

Ion Ratio Lower Upper

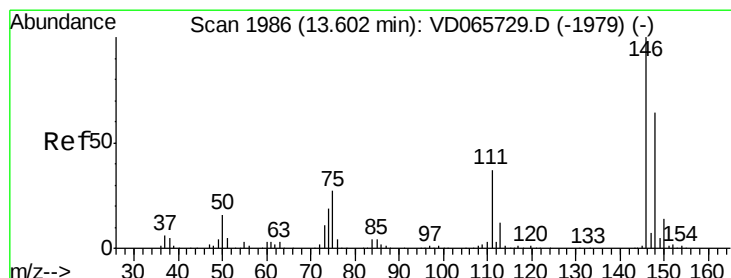
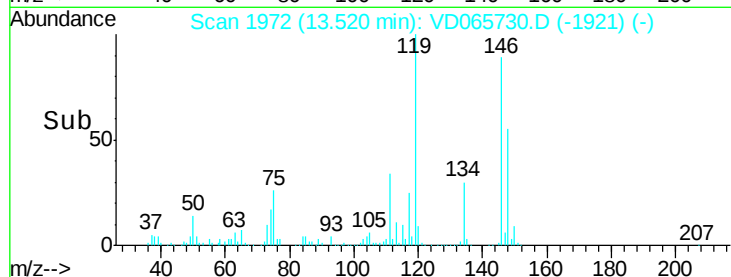
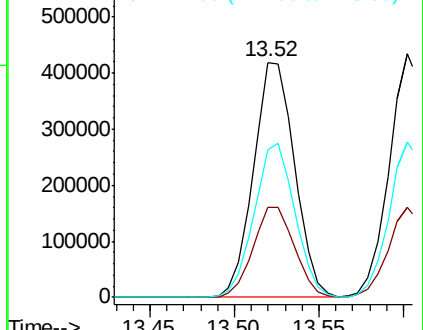
146 100

111 38.5 18.9 56.9

148 64.7 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 93.787 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

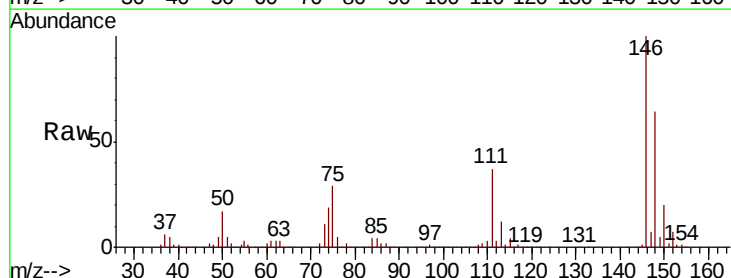
Tgt Ion:146 Resp: 699227

Ion Ratio Lower Upper

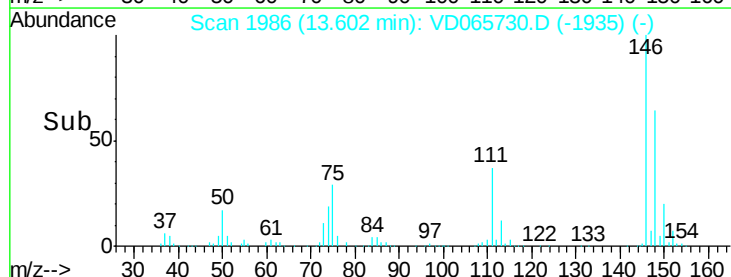
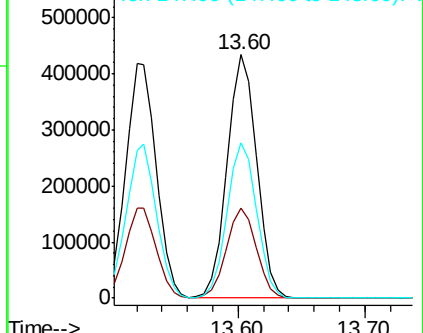
146 100

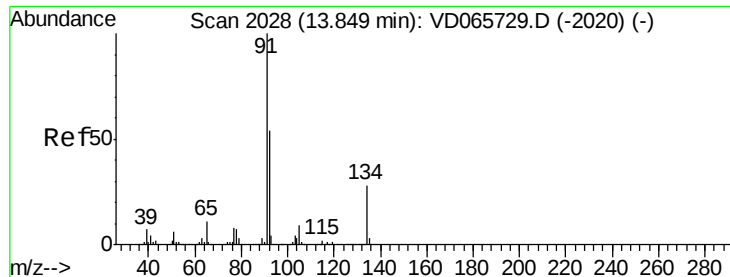
111 37.2 18.4 55.2

148 64.0 31.6 94.7



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

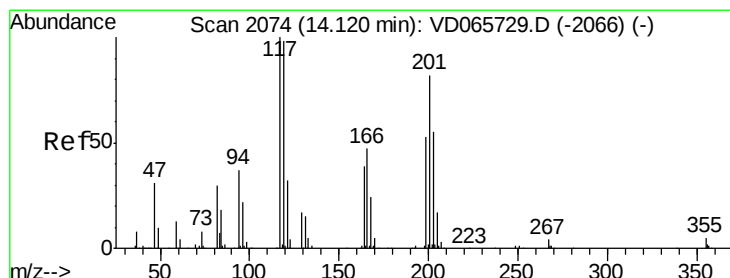
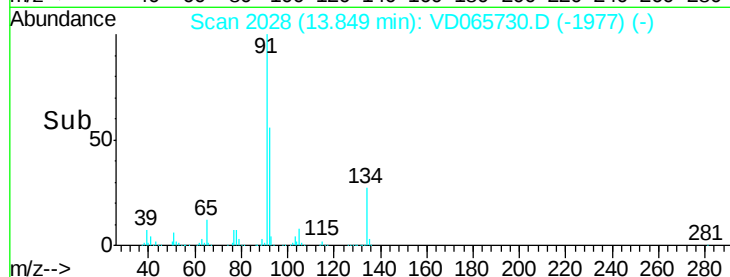
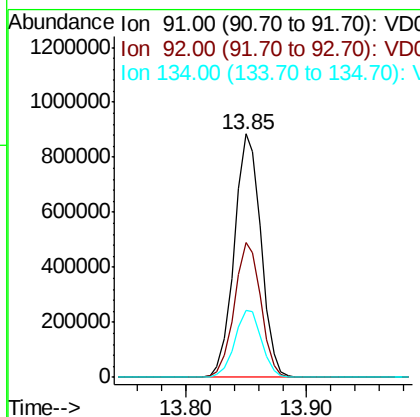
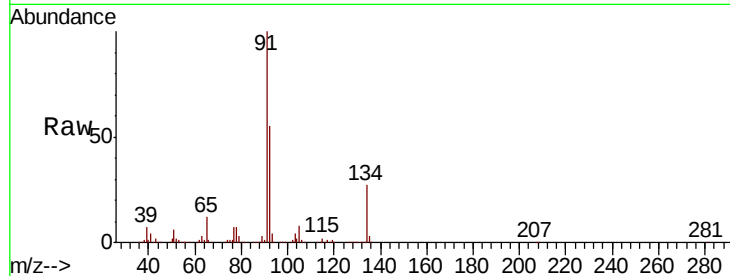




#89
n-Butylbenzene
Concen: 90.784 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

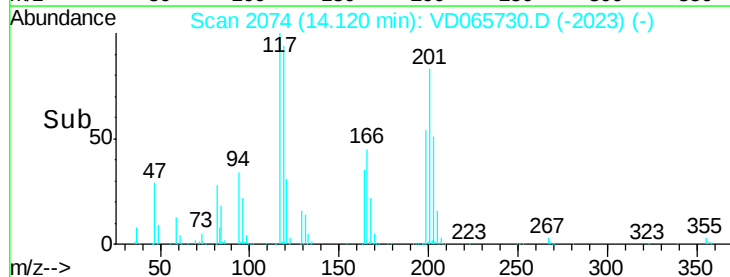
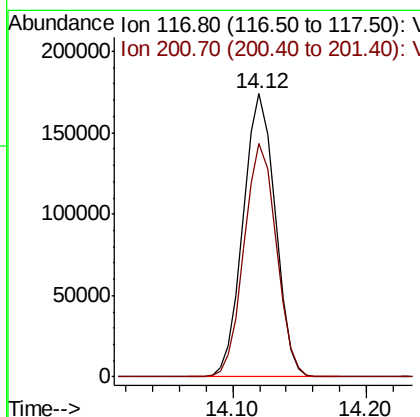
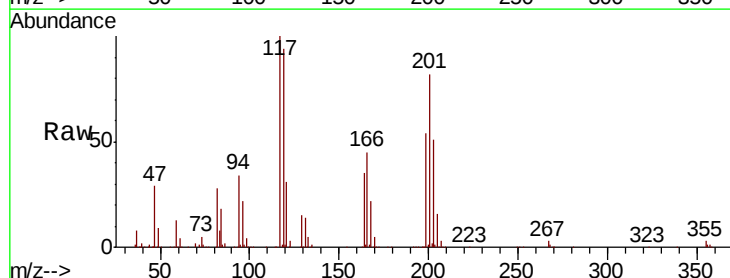
Instrument :
MSVOA_D
ClientSampled :

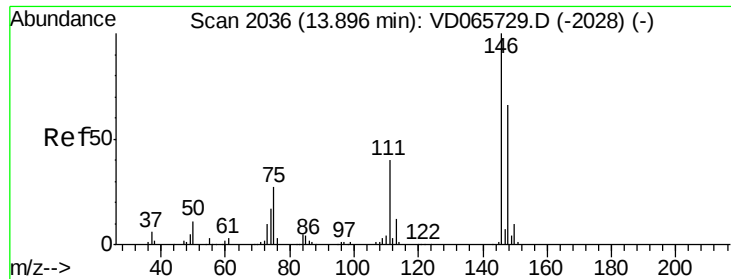
Tot Ion: 91 Resp: 1360504
Ion Ratio Lower Upper
91 100
92 55.0 27.0 81.0
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 93.789 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion: 117 Resp: 289695
Ion Ratio Lower Upper
117 100
201 82.7 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 94.837 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

Instrument :

MSVOA_D

ClientSampled :

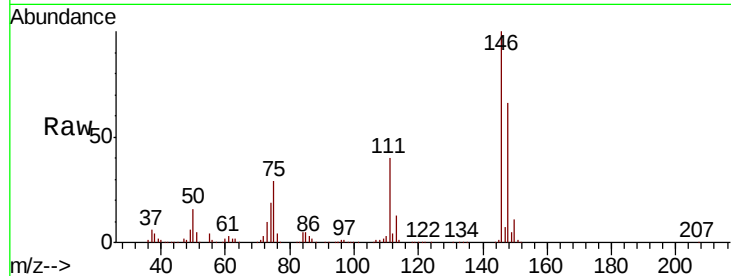
Tot Ion:146 Resp: 616948

Ion Ratio Lower Upper

146 100

111 39.6 20.0 60.0

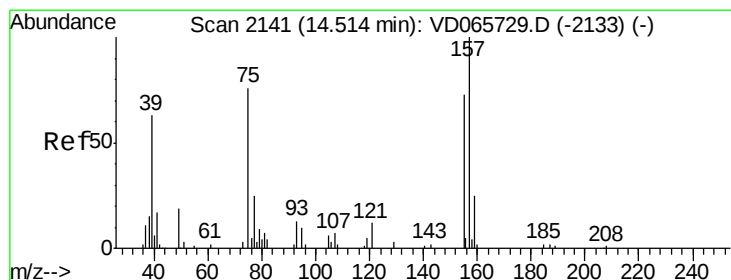
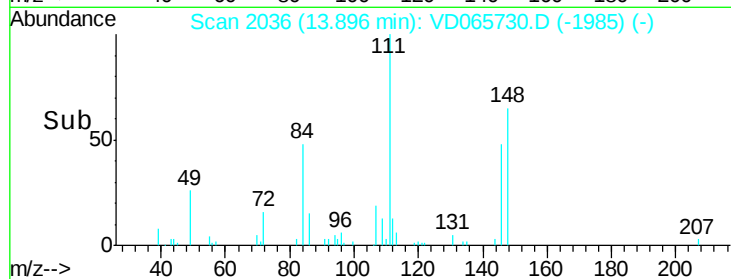
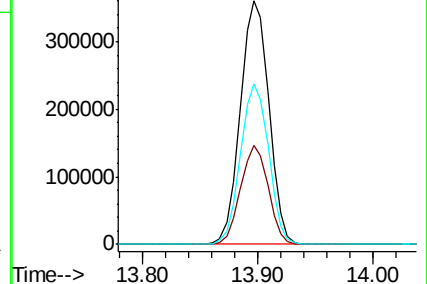
148 64.8 32.4 97.2



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: 86.460 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065730.D

Acq: 13 May 2020 13:48

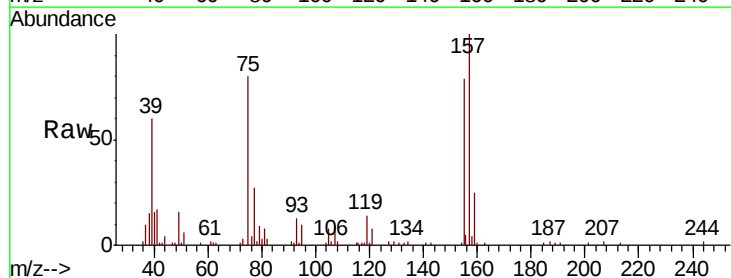
Tgt Ion: 75 Resp: 41655

Ion Ratio Lower Upper

75 100

155 97.8 48.4 145.0

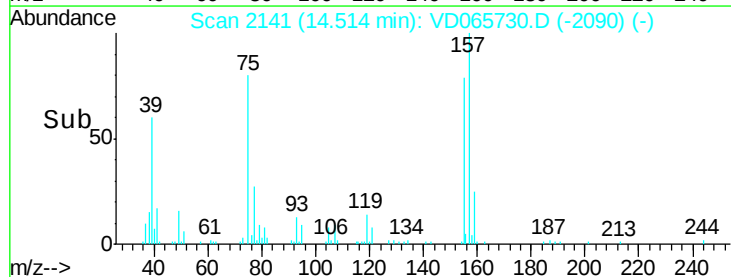
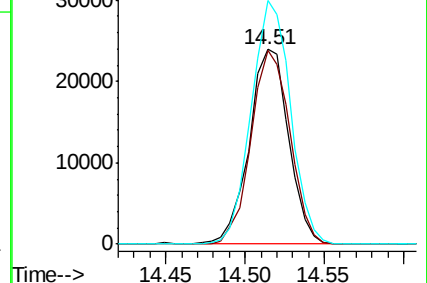
157 124.2 62.6 187.8

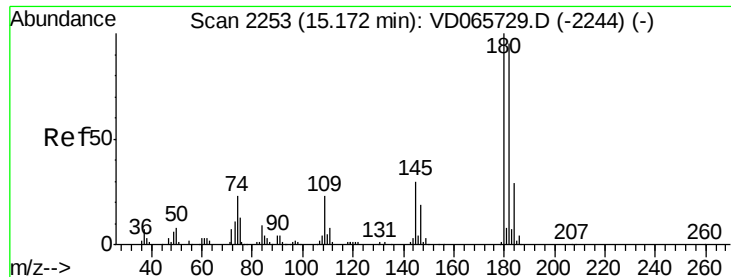


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

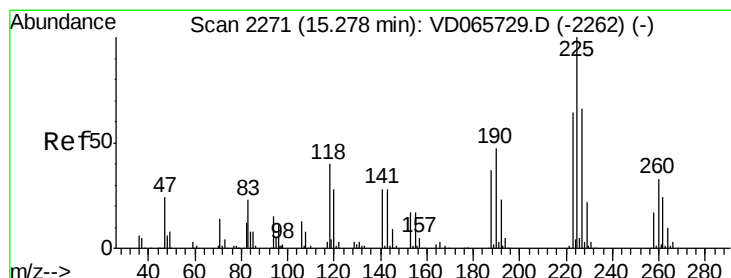
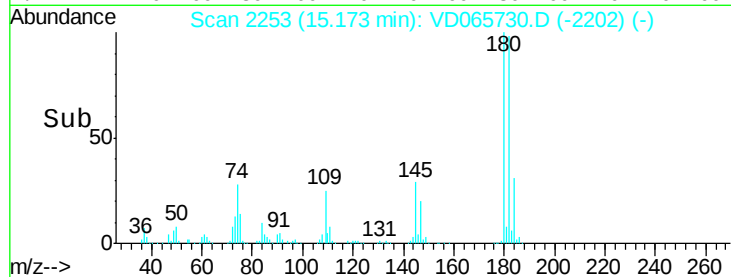
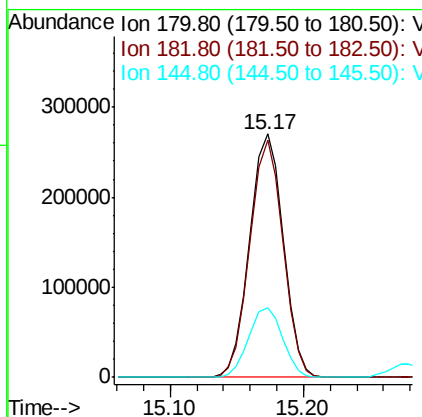
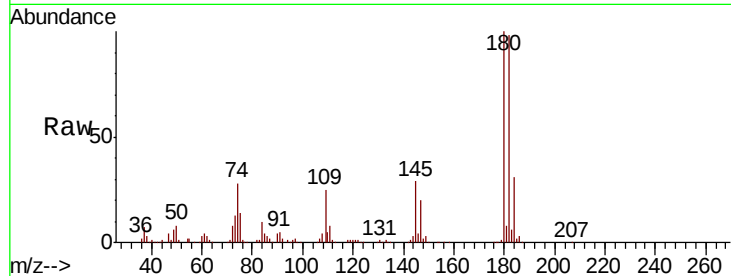




#93
 1,2,4-Trichlorobenzene
 Concen: 96.468 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

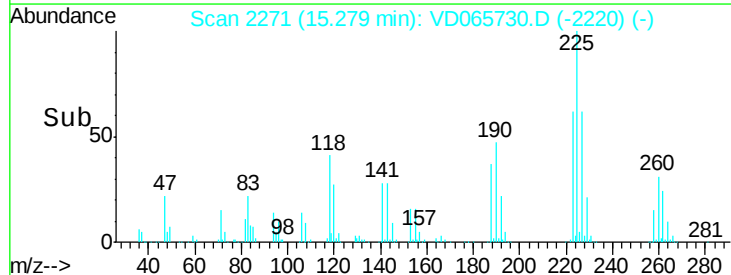
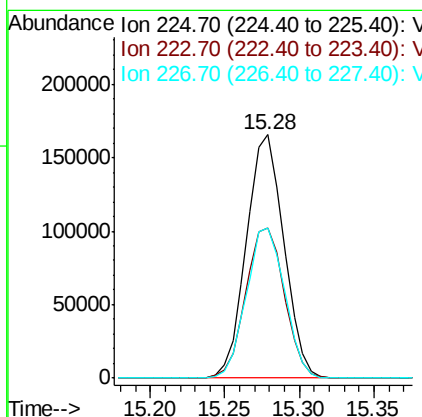
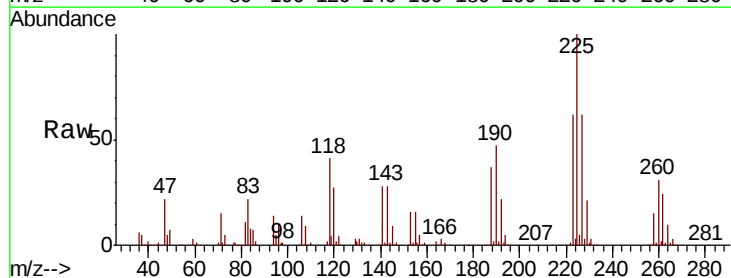
Instrument :
 MSVOA_D
 ClientSampleId :

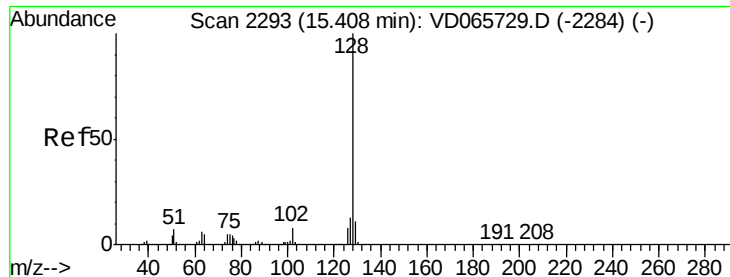
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.0	141.0
145	29.0	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 101.201 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065730.D
 Acq: 13 May 2020 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.4	94.2
227	63.2	32.2	96.6

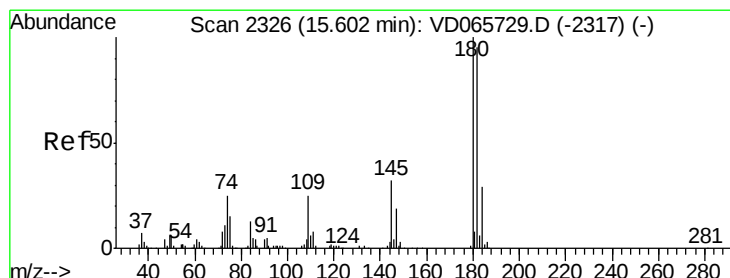
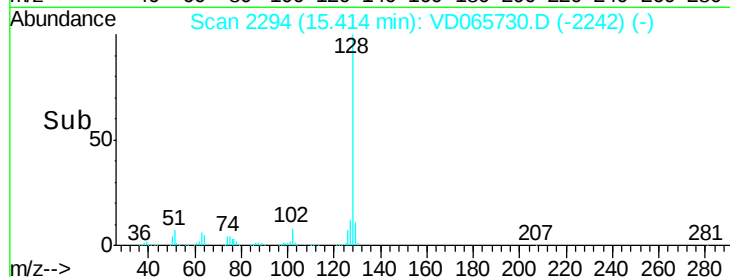
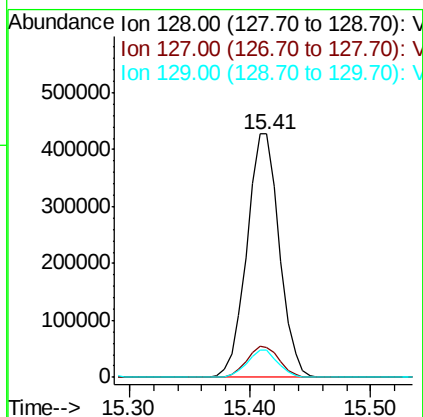
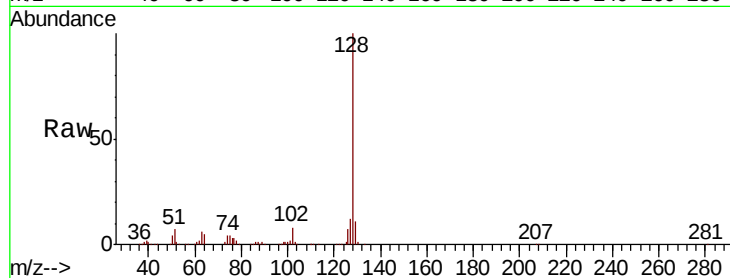




#95
Naphthalene
Concen: 93.918 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 799261
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 96.955 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065730.D
Acq: 13 May 2020 13:48

Tgt Ion:180 Resp: 402407
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.6
145 31.0 15.9 47.6

