

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066398.D
 Acq On : 25 Aug 2020 13:19
 Operator : VA/SY
 Sample : L3787-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Quant Time: Aug 26 08:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	53589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	103621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	17876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	5581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	69173	131.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.32%	
35) Dibromofluoromethane	7.91	113	53537	82.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.24%	
50) Toluene-d8	10.34	98	45662	19.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.52%	
62) 4-Bromofluorobenzene	12.63	95	4603	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	826	1.813	ug/l #	37
3) Chloromethane	2.21	50	393	1.217	ug/l #	43
4) Vinyl Chloride	2.34	62	545	1.572	ug/l #	43
5) Bromomethane	2.77	94	830	3.200	ug/l #	58
7) Trichlorofluoromethane	3.27	101	1927	2.044	ug/l #	73
11) Tert butyl alcohol	5.22	59	675638	27159.887	ug/l	100
15) Acrylonitrile	5.23	53	4535	53.505	ug/l #	43
16) Acetone	4.16	43	2940	31.039	ug/l #	69
17) Carbon Disulfide	4.41	76	3563	2.692	ug/l #	74
20) Methylene Chloride	4.97	84	7165	8.958	ug/l #	70
21) trans-1,2-Dichloroethene	5.46	96	675	1.328	ug/l #	71
23) Vinyl Acetate	6.31	43	844	1.208	ug/l #	70
26) 2,2-Dichloropropane	7.19	77	1788	2.091	ug/l #	55
29) Tetrahydrofuran	7.48	42	6096243	99815.665	ug/l #	28
30) Chloroform	7.48	83	59111	64.052	ug/l #	19
31) Cyclohexane	7.97	56	2692	3.690	ug/l #	49
32) 1,1,1-Trichloroethane	7.90	97	1344	1.423	ug/l #	45
37) Ethyl Acetate	7.48	43	26091049	81136.150	ug/l #	67
39) Methylcyclohexane	9.34	83	3691	3.314	ug/l #	91
40) Benzene	8.35	78	3336	1.341	ug/l #	68
41) Methacrylonitrile	7.48	41	21942226	110648.199	ug/l #	86
43) Isopropyl Acetate	8.61	43	140164	217.161	ug/l #	50
48) Methyl methacrylate	9.35	41	2415	7.256	ug/l #	52
51) 4-Methyl-2-Pentanone	10.23	43	485	1.553	ug/l	92
52) Toluene	10.40	92	6887	4.087	ug/l	96
55) 1,1,2-Trichloroethane	10.77	97	2433	5.119	ug/l #	16
59) 2-Hexanone	11.04	43	298	1.353	ug/l	72
64) Tetrachloroethene	10.87	164	611	4.506	ug/l #	68
65) Chlorobenzene	11.66	112	920	2.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	385	2.649	ug/l #	67
67) Ethyl Benzene	11.74	91	5733	9.158	ug/l	97
68) m/p-Xylenes	11.85	106	6280	26.319	ug/l	92
69) o-Xylene	12.17	106	3145	14.168	ug/l	95
70) Styrene	12.19	104	2698	7.079	ug/l #	87

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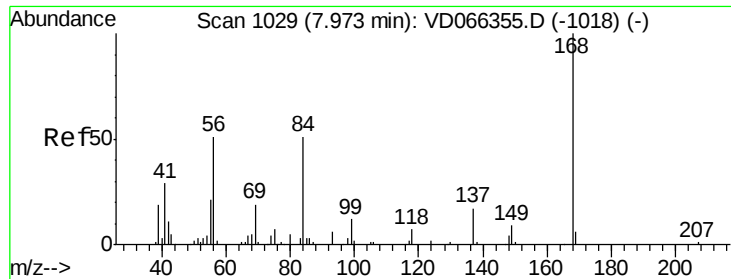
Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	12.48	105	4251	11.370	ug/l	93
74) N-amyl acetate	12.26	43	2119	31.381	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.70	83	462	8.650	ug/l #	52
76) 1,2,3-Trichloropropane	12.73	75	635	16.173	ug/l #	1
77) Bromobenzene	12.77	156	310	3.267	ug/l #	1
78) n-propylbenzene	12.83	91	5830	13.600	ug/l	96
79) 2-Chlorotoluene	13.00	91	1967	8.034	ug/l	90
80) 1,3,5-Trimethylbenzene	12.96	105	6927	21.459	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.63	75	2621	141.701	ug/l #	10
82) 4-Chlorotoluene	13.00	91	1967	7.583	ug/l	88
83) tert-Butylbenzene	13.22	119	2454	8.752	ug/l	80
84) 1,2,4-Trimethylbenzene	13.27	105	13264	41.835	ug/l	93
85) sec-Butylbenzene	13.40	105	6141	16.717	ug/l #	71
86) p-Isopropyltoluene	13.51	119	5030	14.200	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	950	5.363	ug/l #	73
88) 1,4-Dichlorobenzene	13.60	146	1276	7.174	ug/l #	22
89) n-Butylbenzene	13.85	91	3818	12.214	ug/l #	67
90) Hexachloroethane	14.11	117	1319	18.850	ug/l #	34
91) 1,2-Dichlorobenzene	13.89	146	817	5.358	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.54	75	67	5.981	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.18	180	1294	10.870	ug/l #	1
94) Hexachlorobutadiene	15.26	225	476	6.434	ug/l #	50
95) Naphthalene	15.40	128	13378	71.549	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.61	180	1516	14.866	ug/l #	53

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

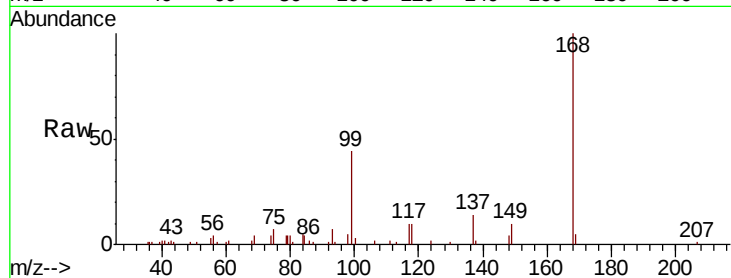
20071

Tot Ion:168 Resp: 53589

Ion Ratio Lower Upper

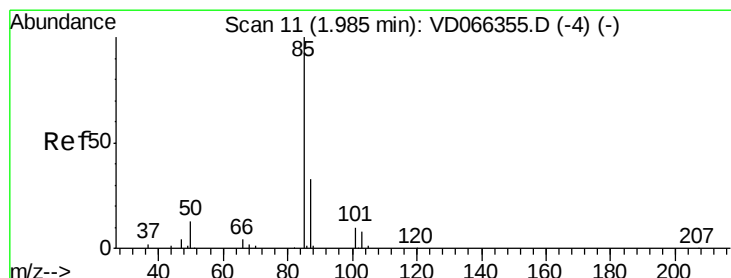
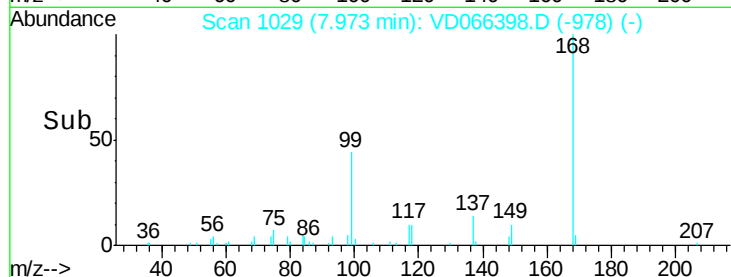
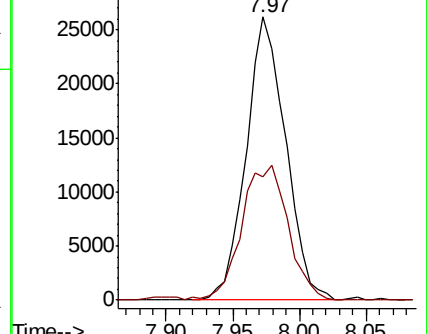
168 100

99 43.6 45.4 68.0#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.813 ug/l

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066398.D

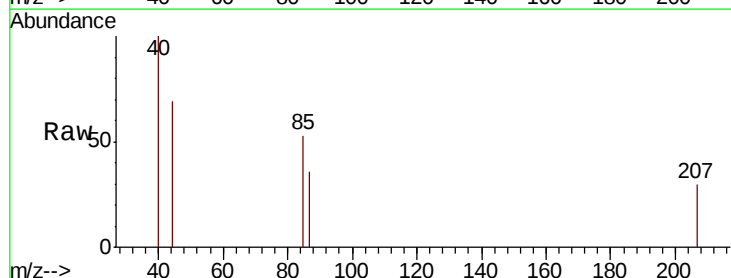
Acq: 25 Aug 2020 13:19

Tgt Ion: 85 Resp: 826

Ion Ratio Lower Upper

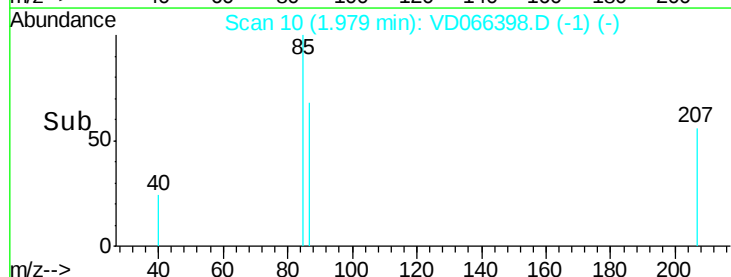
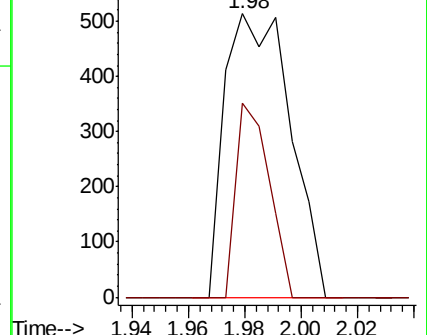
85 100

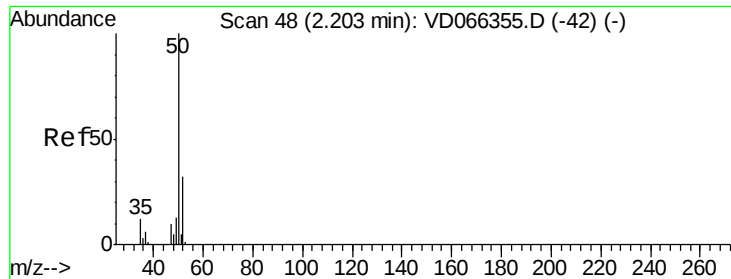
87 68.4 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 1.217 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

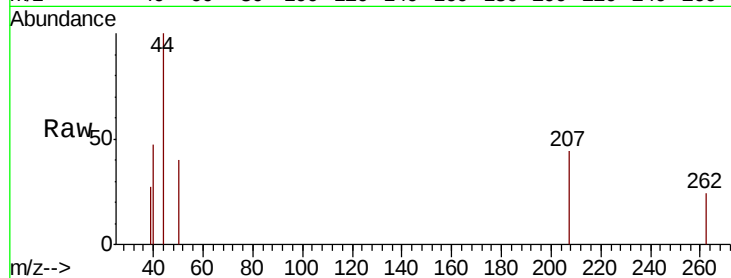
20071

Tot Ion: 50 Resp: 393

Ion Ratio Lower Upper

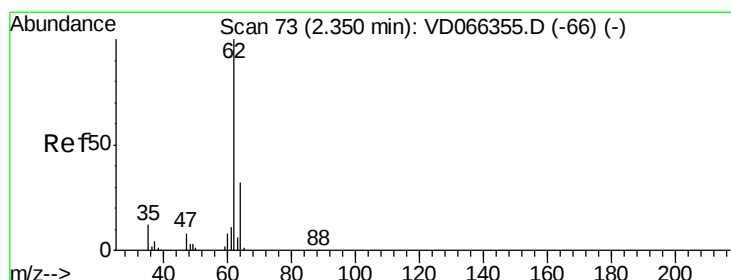
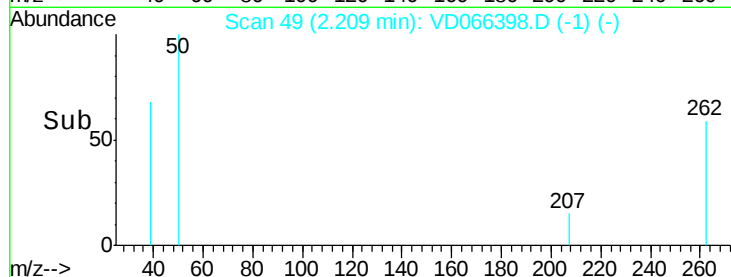
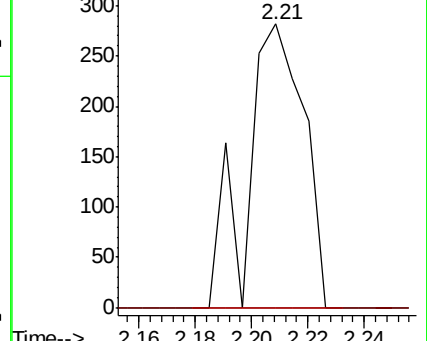
50 100

52 0.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 1.572 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066398.D

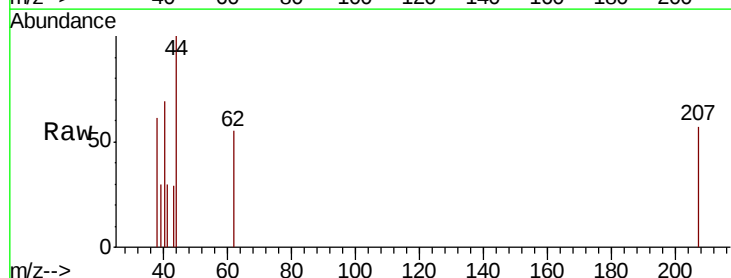
Acq: 25 Aug 2020 13:19

Tgt Ion: 62 Resp: 545

Ion Ratio Lower Upper

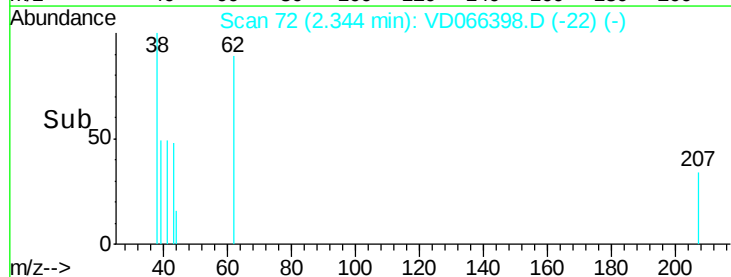
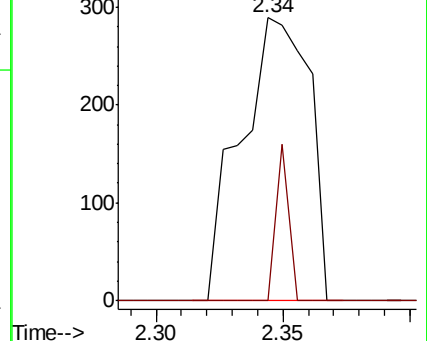
62 100

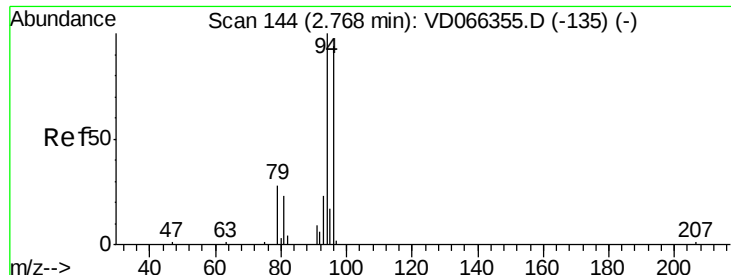
64 0.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.200 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

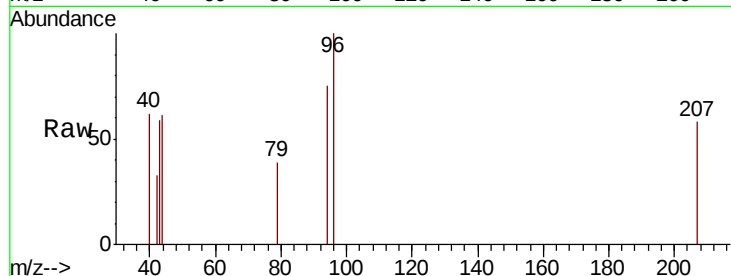
20071

Tot Ion: 94 Resp: 830

Ion Ratio Lower Upper

94 100

96 133.8 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

500

400

300

200

100

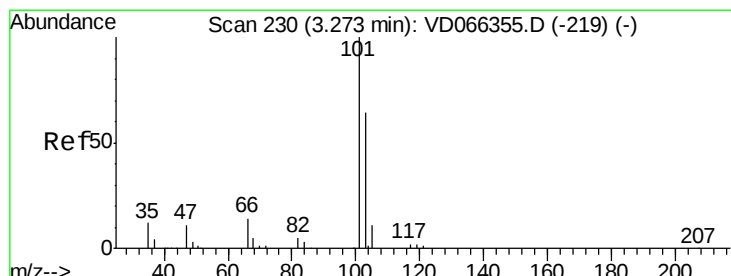
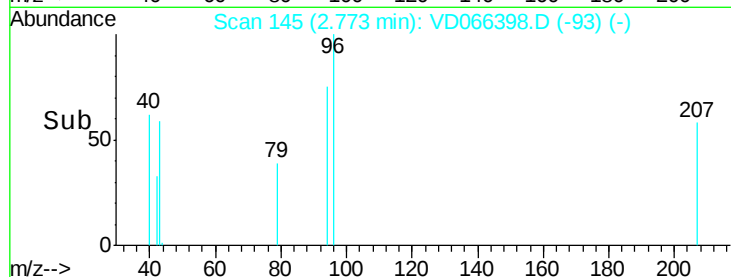
0

2.70

2.75

2.80

Time-->



#7

Trichlorofluoromethane

Concen: 2.044 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD066398.D

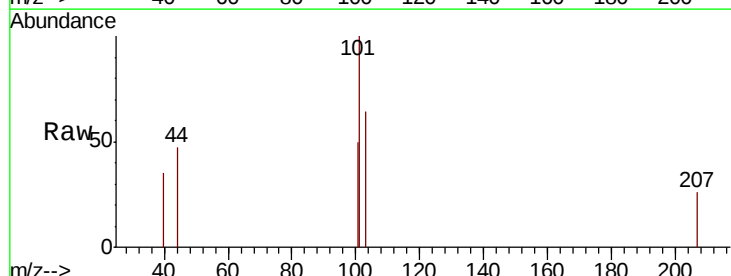
Acq: 25 Aug 2020 13:19

Tgt Ion:101 Resp: 1927

Ion Ratio Lower Upper

101 100

103 42.8 51.4 77.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1500

1000

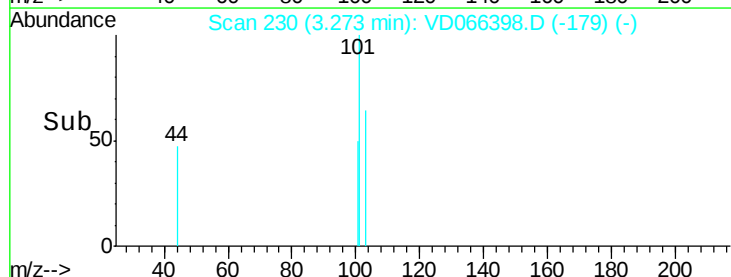
500

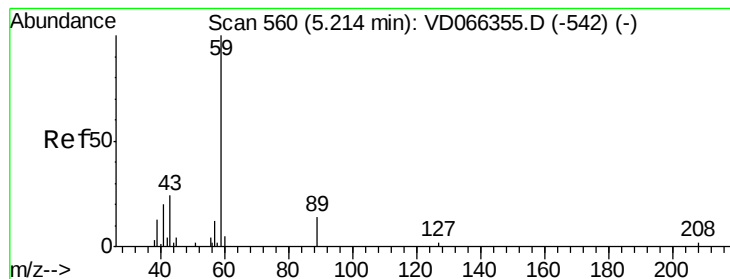
0

3.25

3.30

Time-->





#11

Tert butyl alcohol

Concen: 27159.887 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

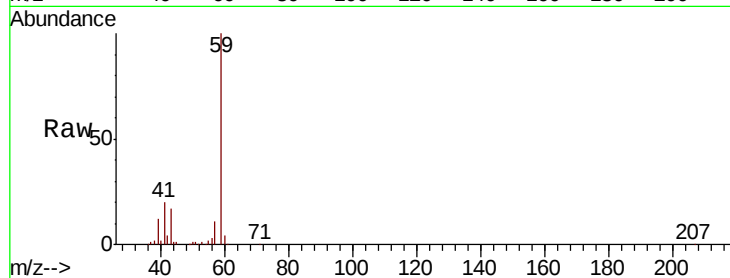
20071

Tot Ion: 59 Resp: 675638

Ion Ratio Lower Upper

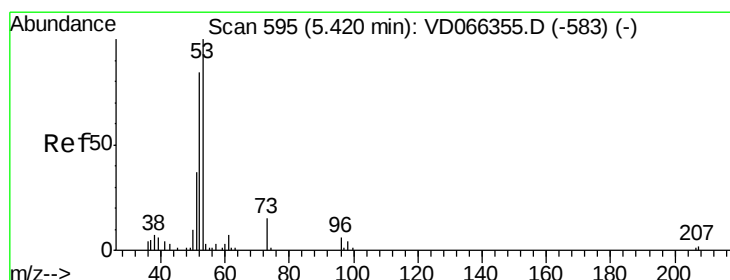
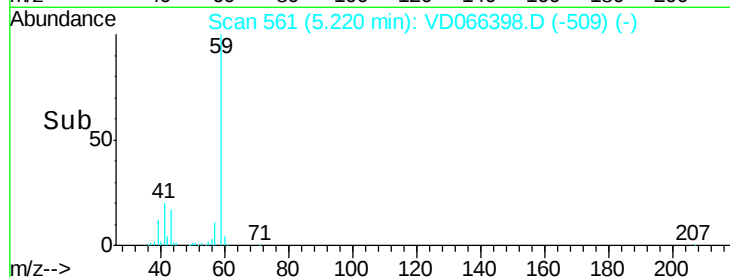
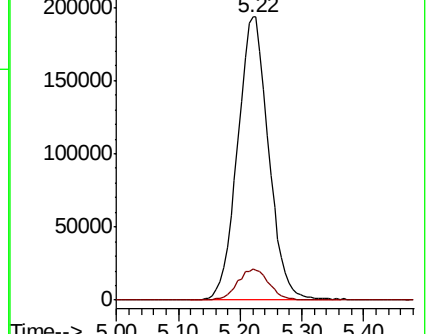
59 100

57 11.2 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#15

Acrylonitrile

Concen: 53.505 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.19 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

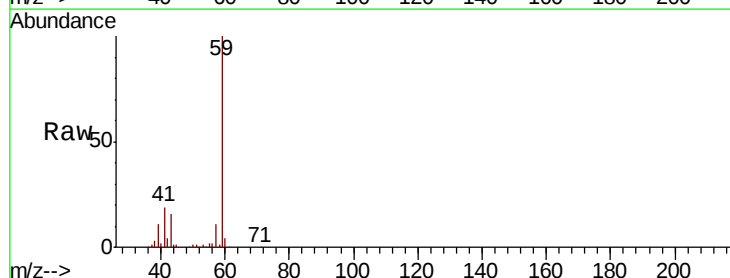
Tgt Ion: 53 Resp: 4535

Ion Ratio Lower Upper

53 100

52 37.7 68.1 102.1#

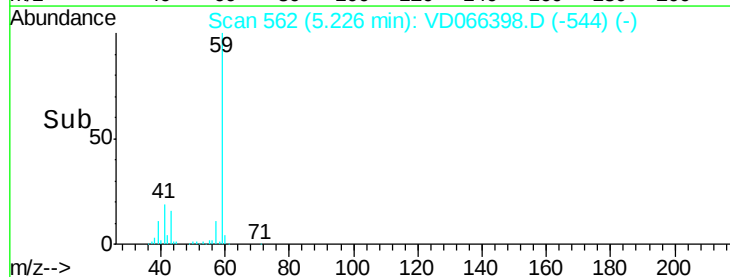
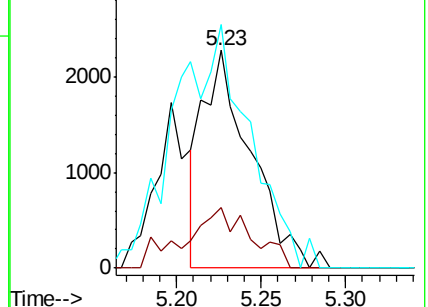
51 0.0 33.8 50.6#

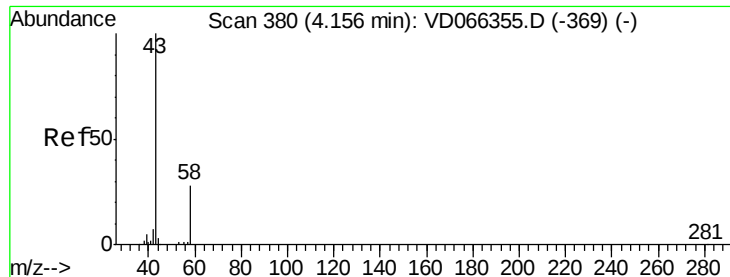


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 31.039 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

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ClientSampleId :

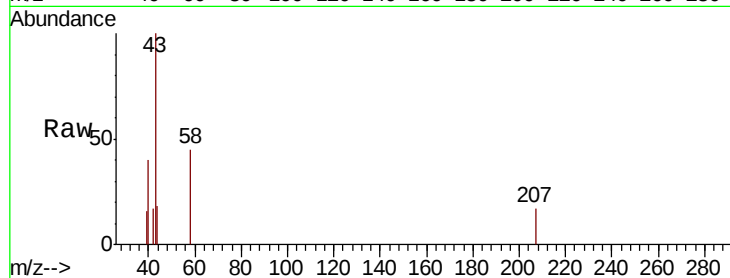
20071

Tot Ion: 43 Resp: 2940

Ion Ratio Lower Upper

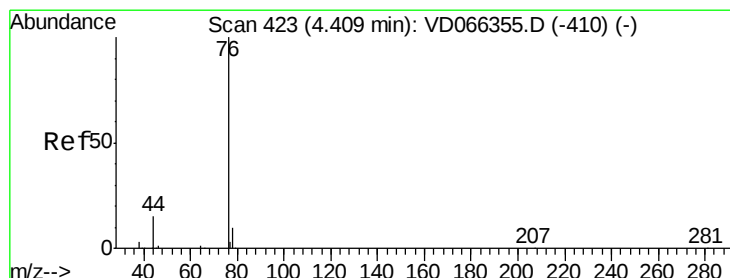
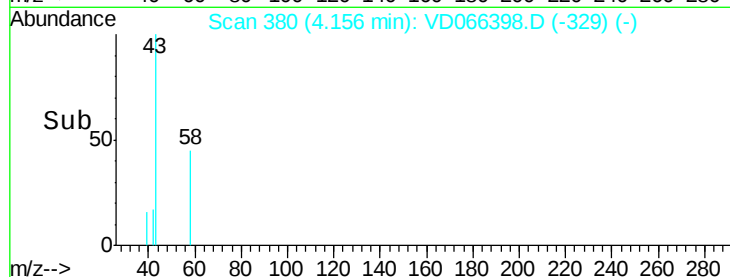
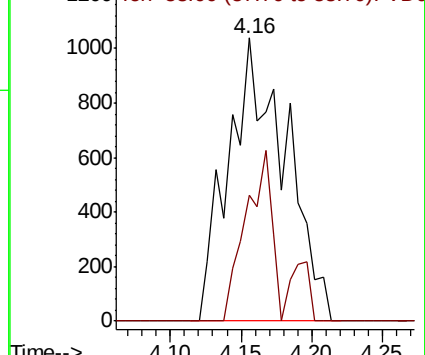
43 100

58 44.6 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 2.692 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD066398.D

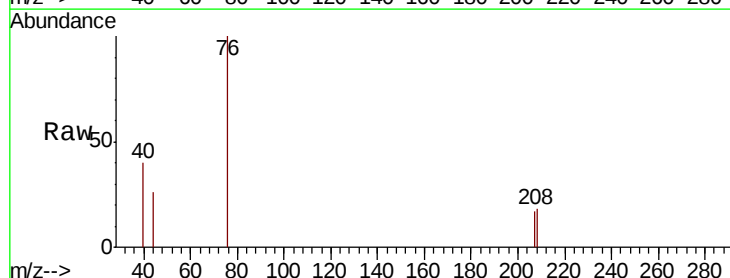
Acq: 25 Aug 2020 13:19

Tgt Ion: 76 Resp: 3563

Ion Ratio Lower Upper

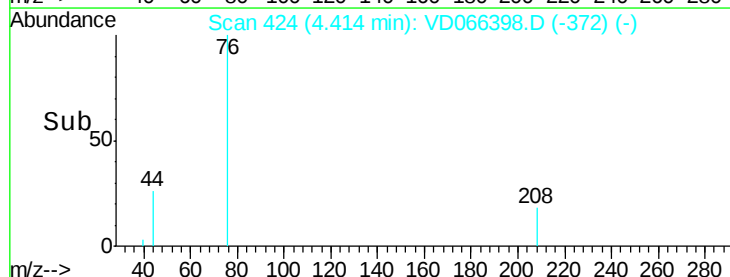
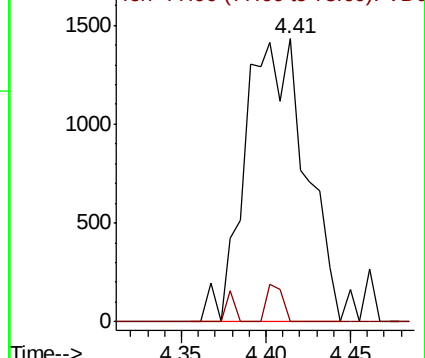
76 100

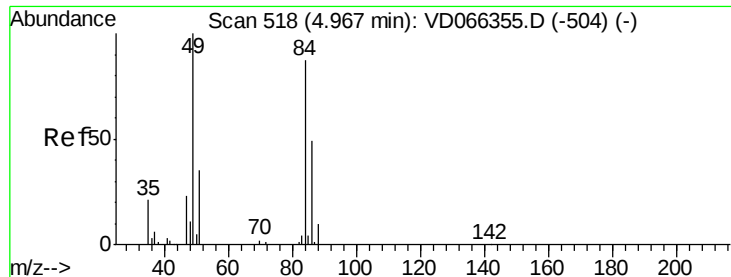
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

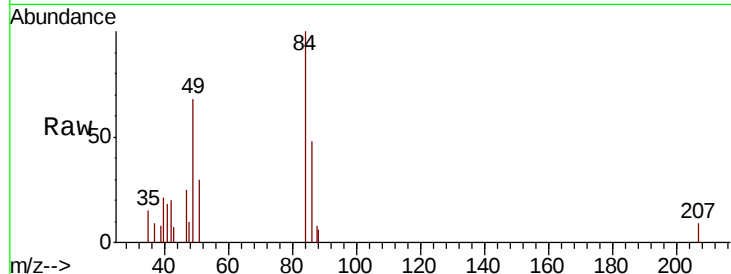




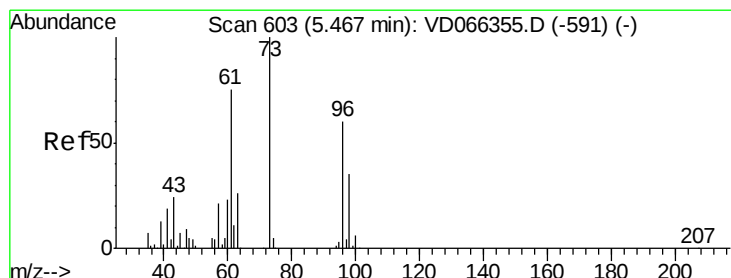
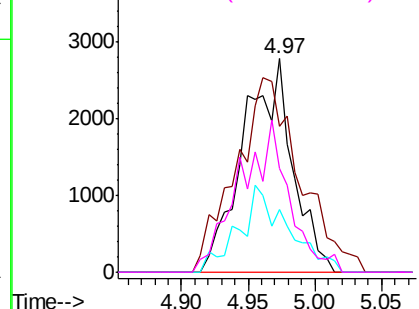
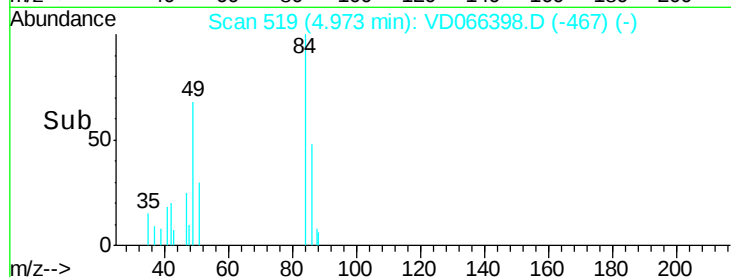
#20
Methvlene Chloride
Concen: 8.958 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :
20071

Tot Ion: 84 Resp: 7165
Ion Ratio Lower Upper
84 100
49 68.1 92.5 138.7#
51 29.6 32.5 48.7#
86 48.4 45.0 67.6

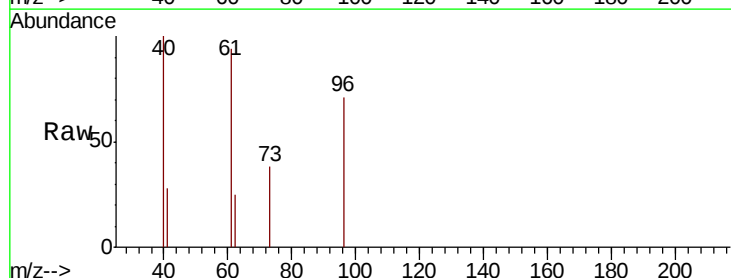


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

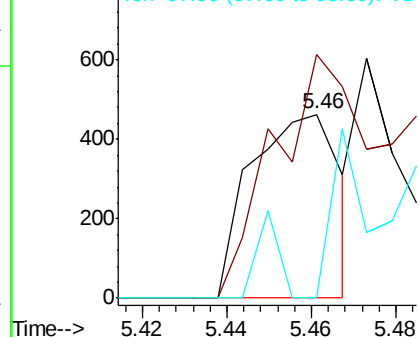
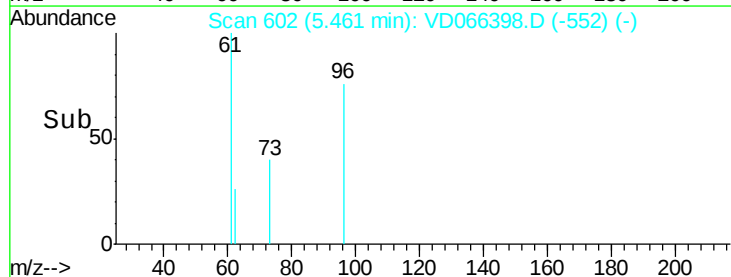


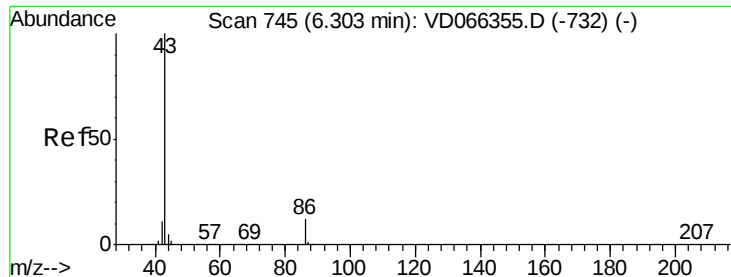
#21
trans-1,2-Dichloroethene
Concen: 1.328 ug/l
RT: 5.46 min Scan# 602
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion: 96 Resp: 675
Ion Ratio Lower Upper
96 100
61 132.4 101.1 151.7
98 0.0 47.0 70.6#



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





#23

Vinyl Acetate

Concen: 1.208 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleID :

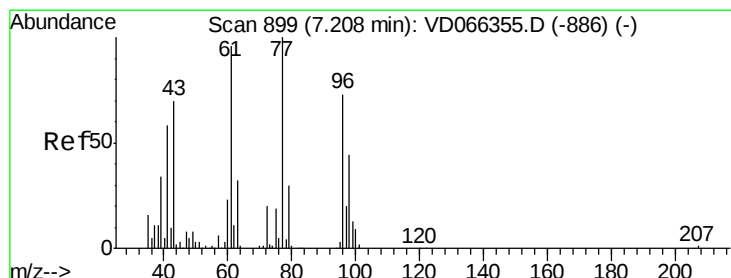
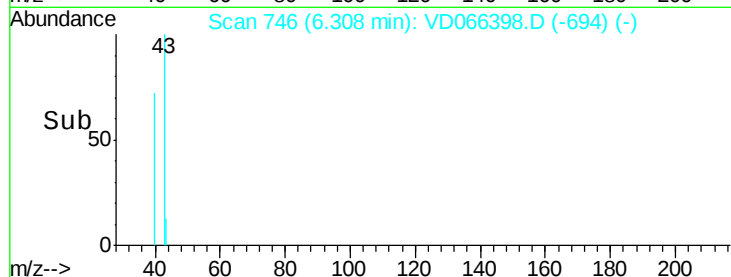
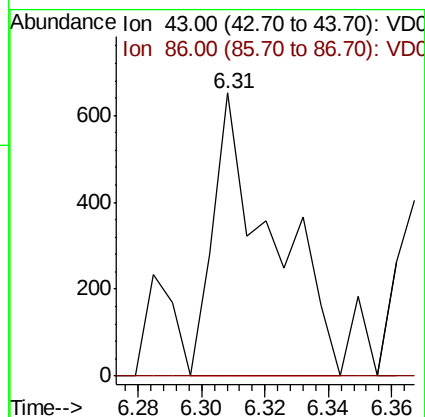
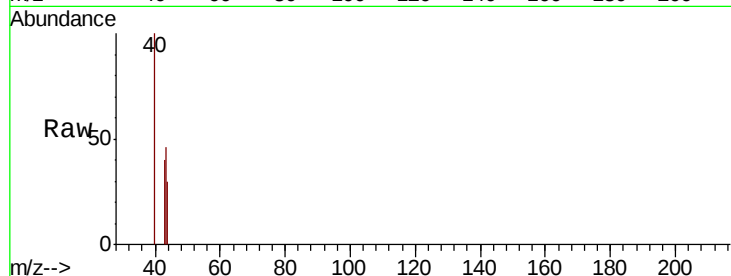
20071

Tot Ion: 43 Resp: 844

Ion Ratio Lower Upper

43 100

86 0.0 9.4 14.0#



#26

2,2-Dichloropropane

Concen: 2.091 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066398.D

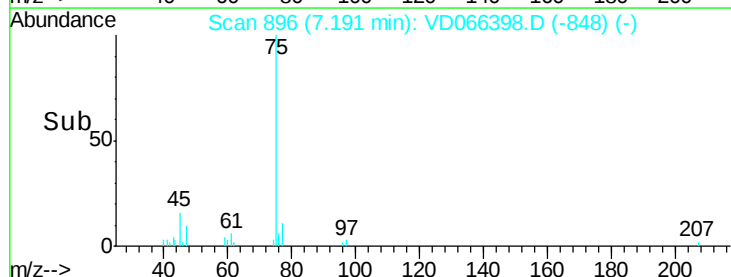
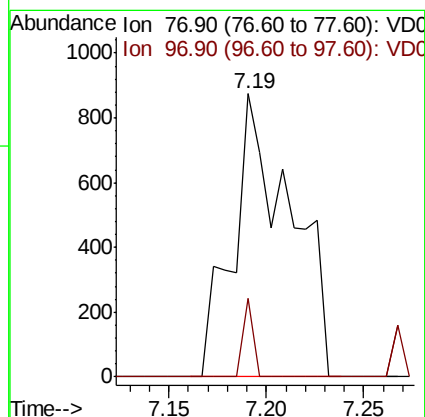
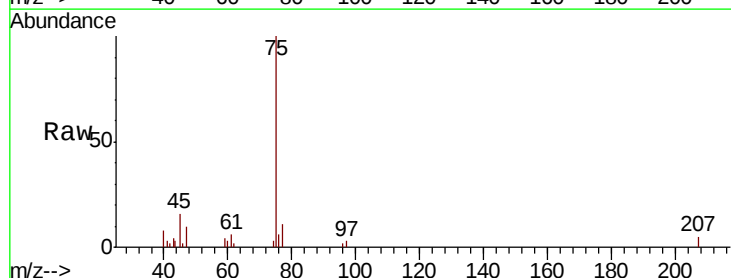
Acq: 25 Aug 2020 13:19

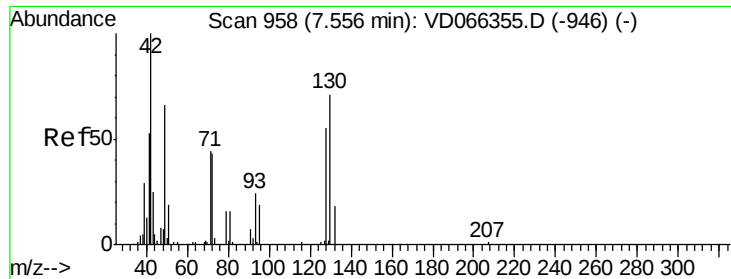
Tgt Ion: 77 Resp: 1788

Ion Ratio Lower Upper

77 100

97 0.0 10.7 31.9#

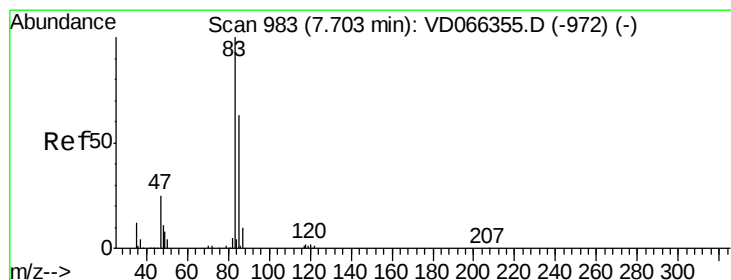
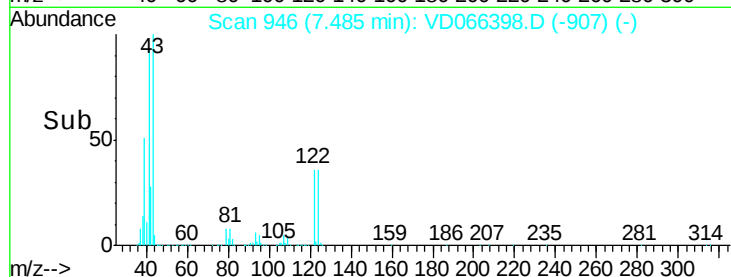
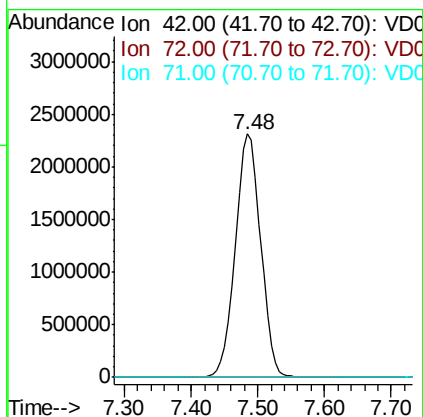
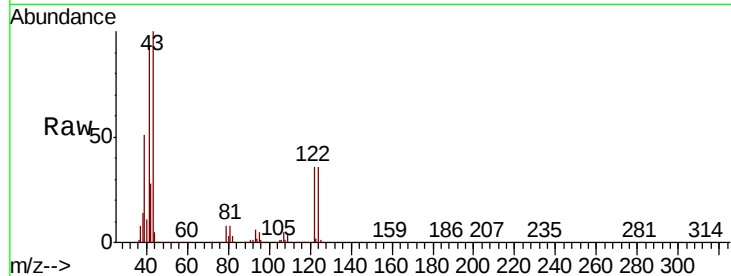




#29
Tetrahydrofuran
Concen: 99815.665 ug/l
RT: 7.48 min Scan# 946
Delta R.T. -0.07 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

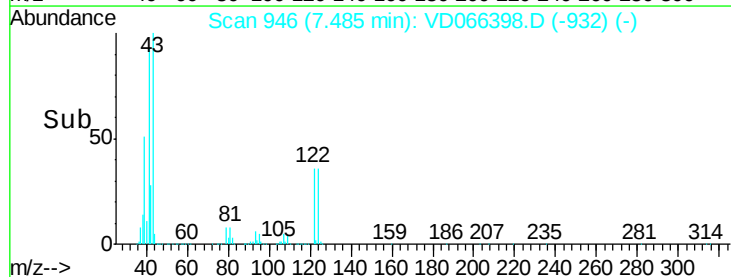
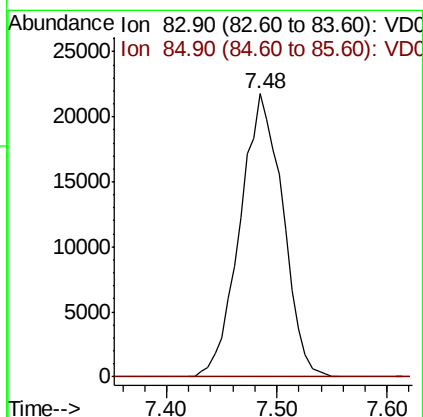
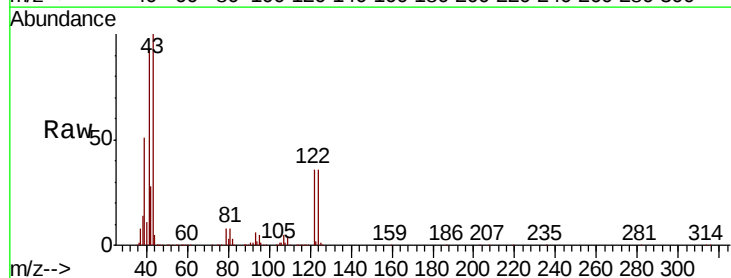
Instrument :
MSVOA_D
ClientSampleId :
20071

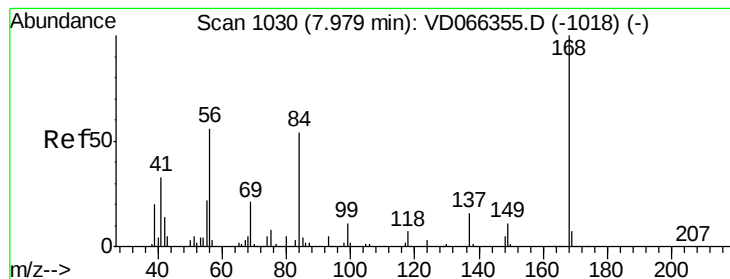
Tot Ion: 42 Resp: 6096243
Ion Ratio Lower Upper
42 100
72 0.0 41.0 61.4#
71 0.0 37.2 55.8#



#30
Chloroform
Concen: 64.052 ug/l
RT: 7.48 min Scan# 946
Delta R.T. -0.22 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion: 83 Resp: 59111
Ion Ratio Lower Upper
83 100
85 0.0 50.3 75.5#





#31

Cyclohexane

Concen: 3.690 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleID :

20071

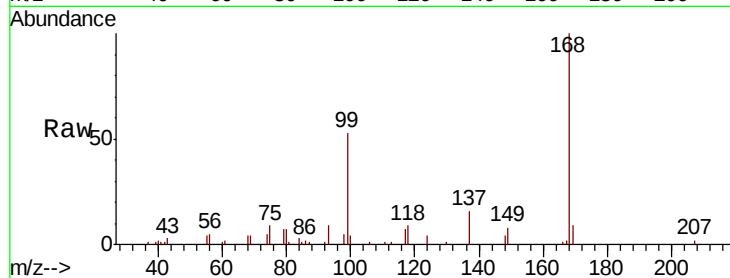
Tot Ion: 56 Resp: 2692

Ion Ratio Lower Upper

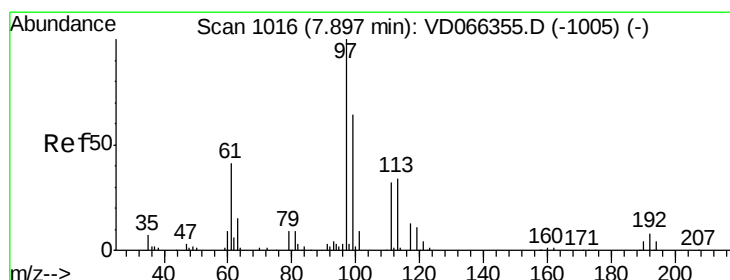
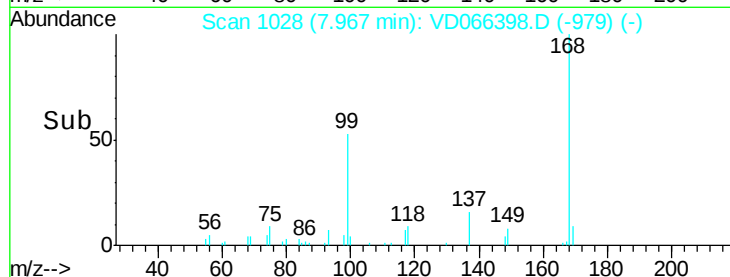
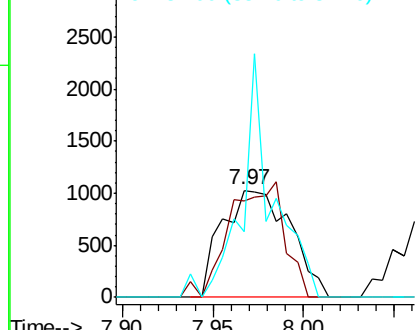
56 100

69 90.4 29.6 44.4#

84 61.1 76.6 115.0#



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



#32

1,1,1-Trichloroethane

Concen: 1.423 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

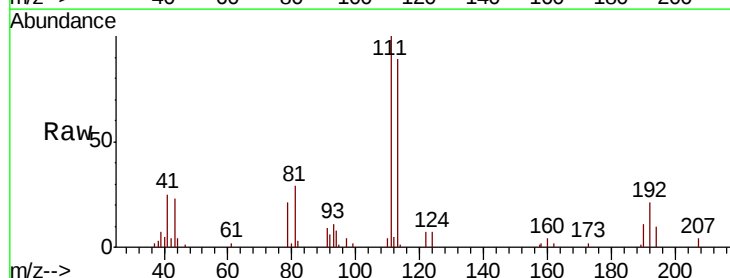
Tgt Ion: 97 Resp: 1344

Ion Ratio Lower Upper

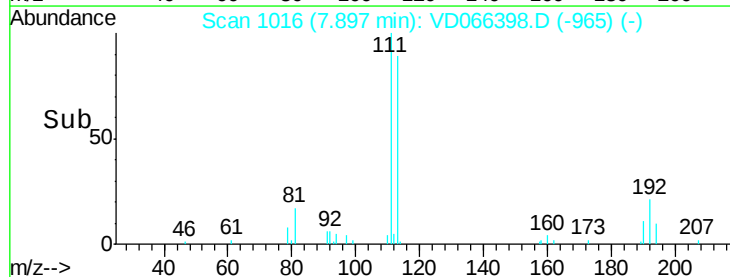
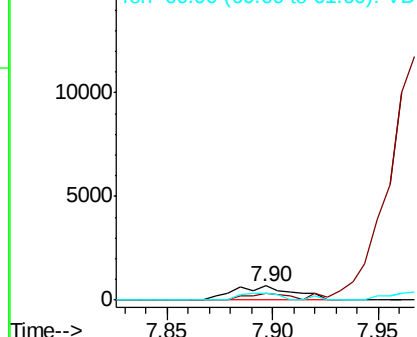
97 100

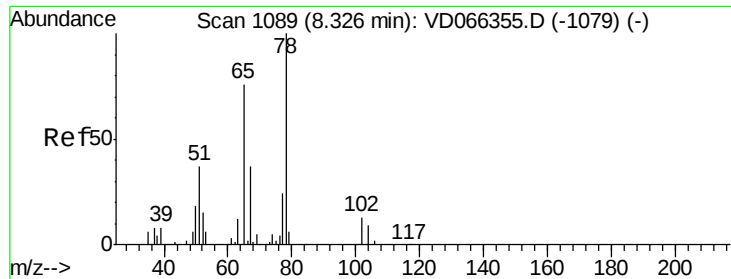
99 0.0 51.5 77.3#

61 32.6 33.3 49.9#



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

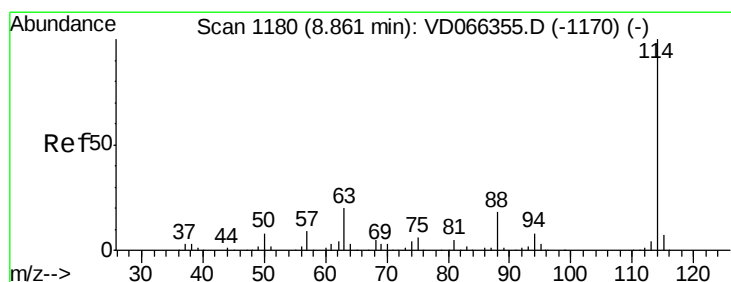
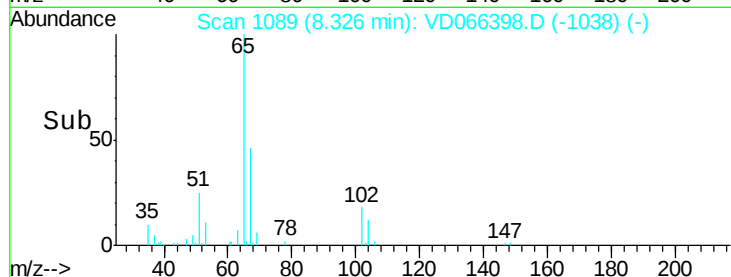
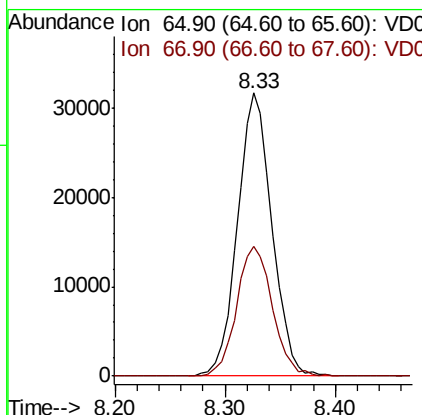
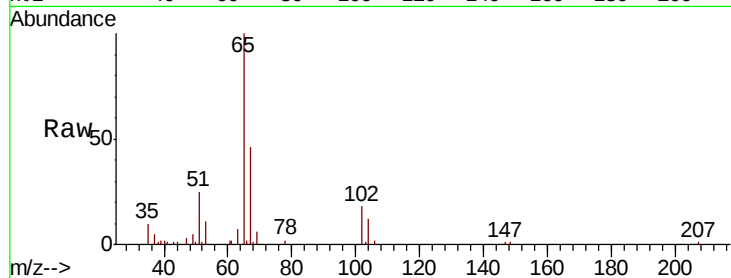




#33
 1,2-Dichloroethane-d4
 Concen: 131.662 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

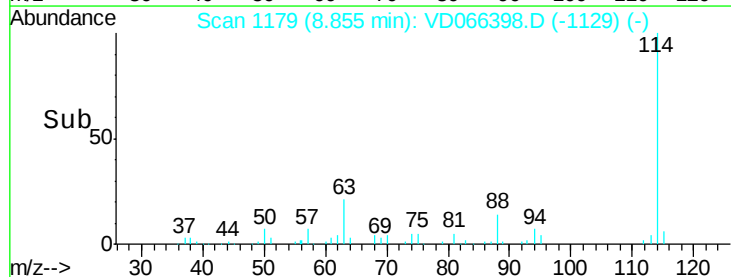
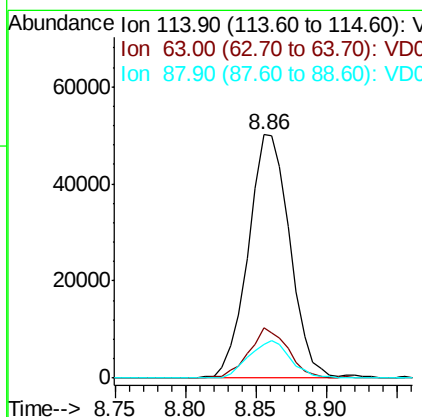
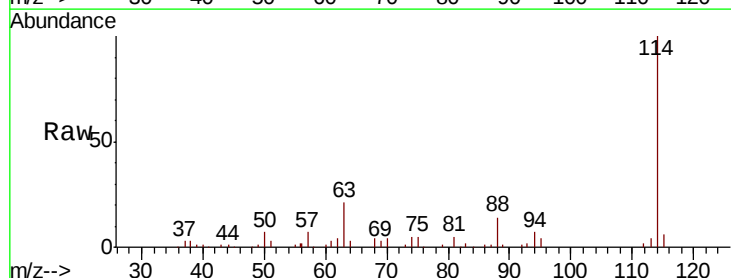
Instrument :
 MSVOA_D
 ClientSampleId :
 20071

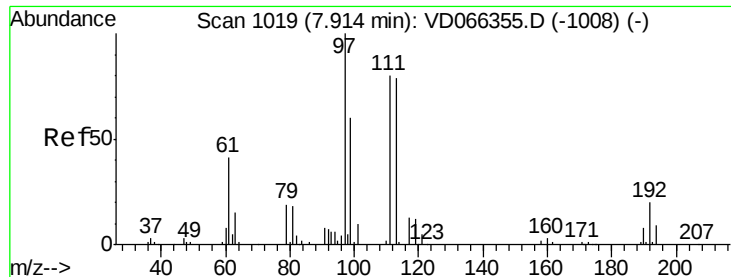
Tot Ion: 65 Resp: 69173
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion: 114 Resp: 103621
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 14.1 0.0 35.4

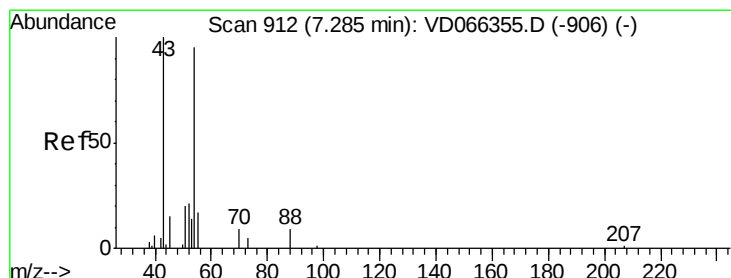
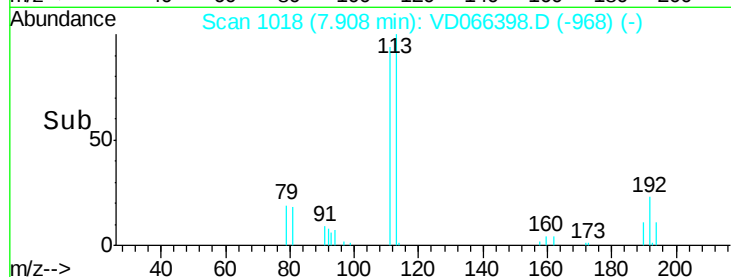
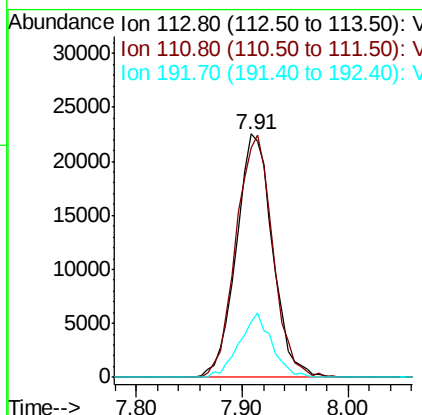
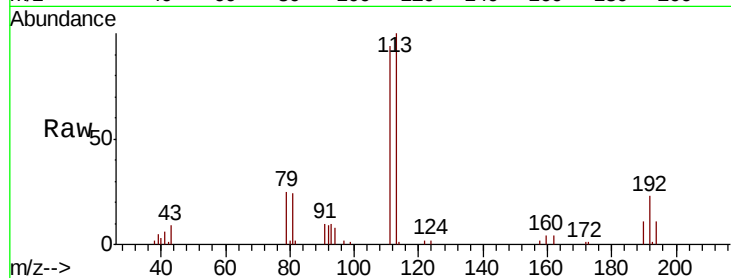




#35
 Dibromofluoromethane
 Concen: 82.625 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

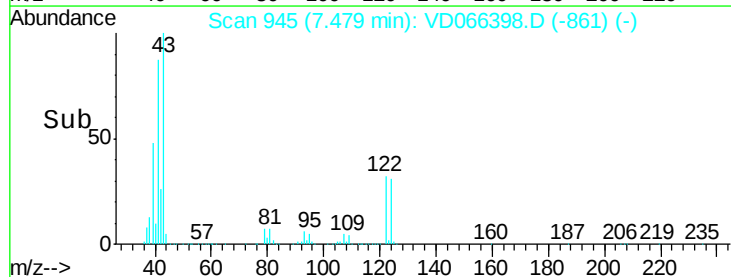
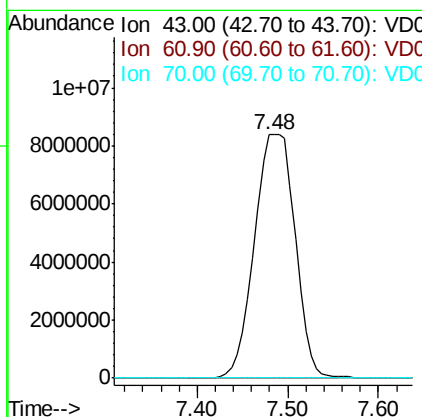
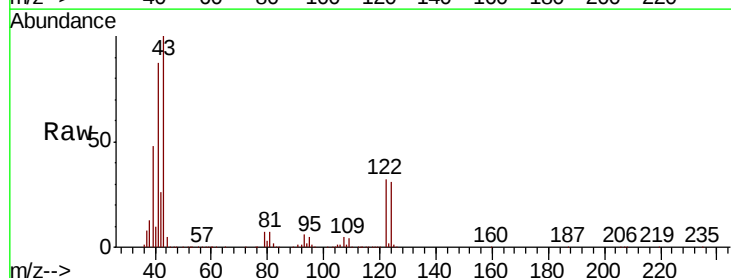
Instrument :
 MSVOA_D
 ClientSampleId :
 20071

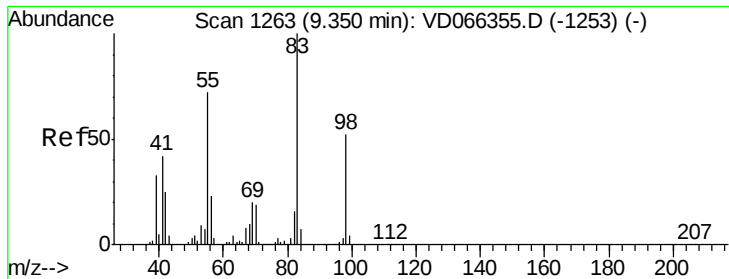
Tot Ion:113 Resp: 53537
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.3 120.5
 192 23.6 19.0 28.6



#37
 Ethyl Acetate
 Concen: 81136.150 ug/l
 RT: 7.48 min Scan# 945
 Delta R.T. 0.19 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion: 43 Resp:26091049
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.3 19.9#
 70 0.0 3.5 5.3#

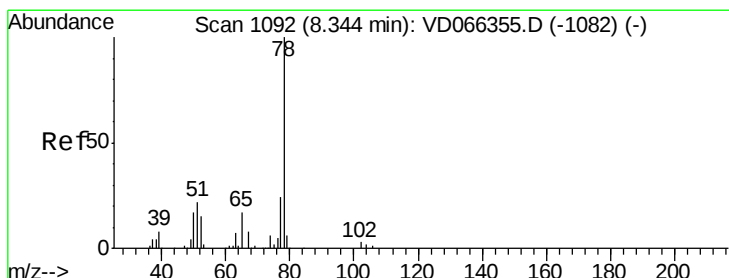
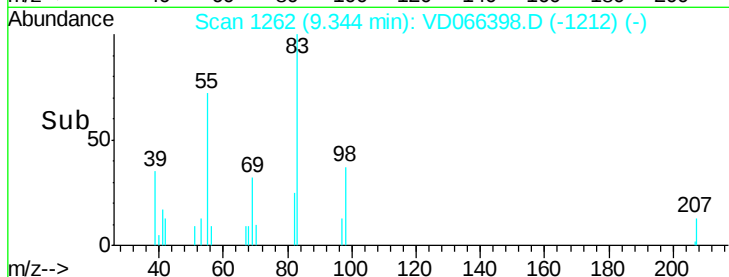
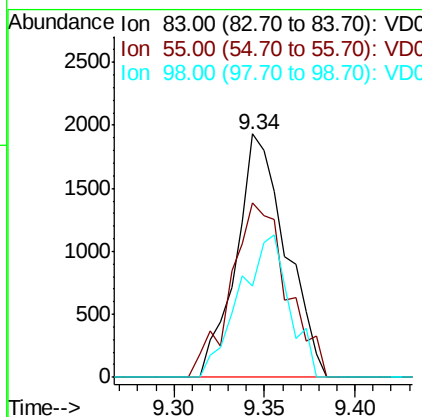
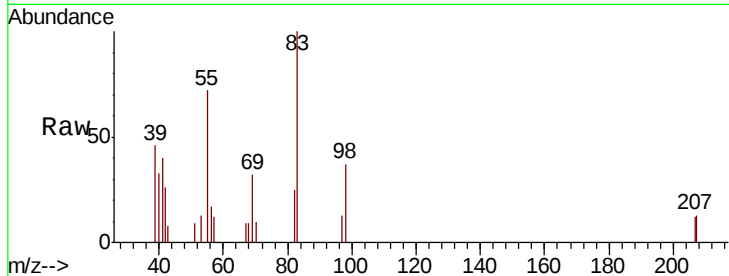




#39
Methvlcvclohexane
Concen: 3.314 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

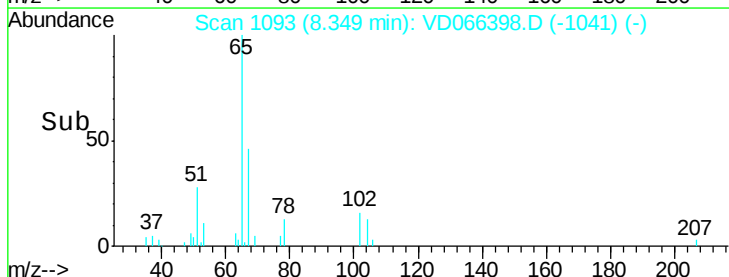
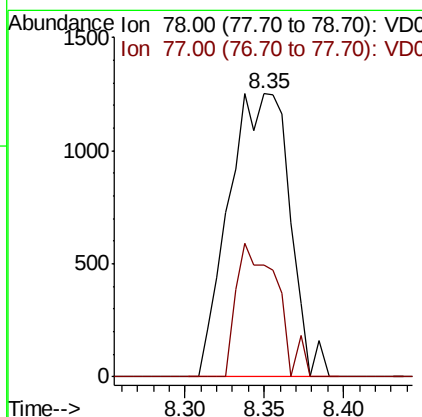
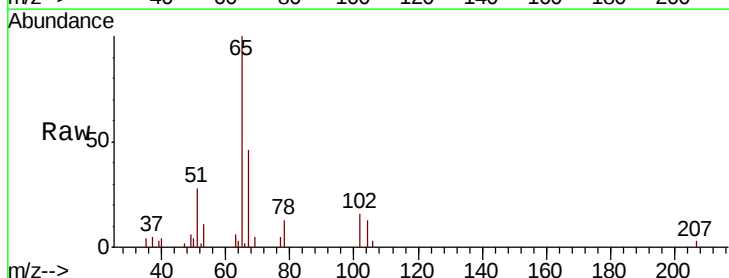
Instrument :
MSVOA_D
ClientSampleId :
20071

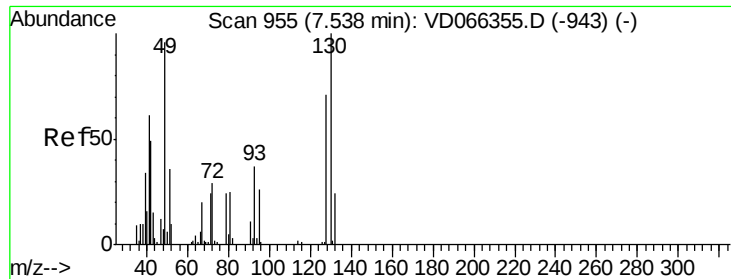
Tot Ion: 83 Resp: 3691
Ion Ratio Lower Upper
83 100
55 71.8 58.0 87.0
98 37.3 41.9 62.9#



#40
Benzene
Concen: 1.341 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion: 78 Resp: 3336
Ion Ratio Lower Upper
78 100
77 39.3 18.8 28.2#



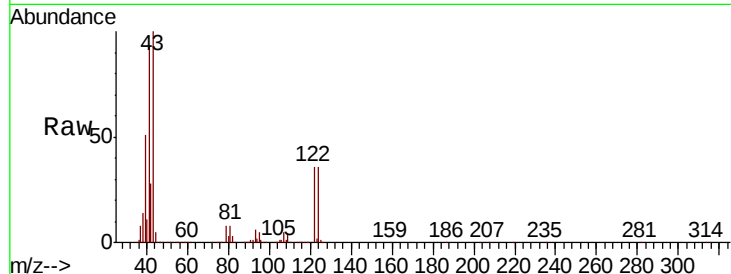


#41
Methacrylonitrile
Concen: 110648.199 ug/l
RT: 7.48 min Scan# 946
Delta R.T. -0.05 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

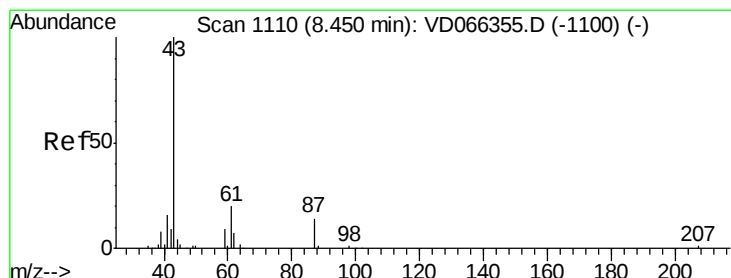
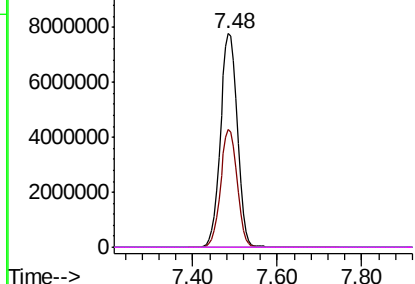
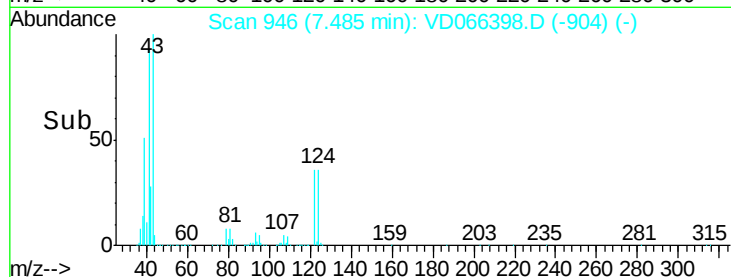
Instrument :
MSVOA_D
ClientSampleId :
20071

Tot Ion: 41 Resp: 21942226

Ion	Ratio	Lower	Upper
41	100		
39	53.8	51.8	77.8
67	0.0	0.0	0.0
52	0.0	0.0	0.0#



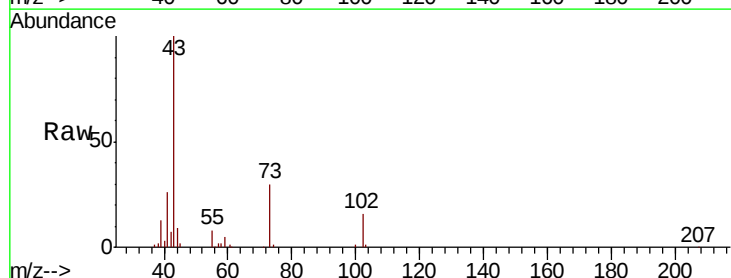
Abundance Ion 41.00 (40.70 to 41.70): VDC
1.2e+07 Ion 39.00 (38.70 to 39.70): VDC
1e+07 Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



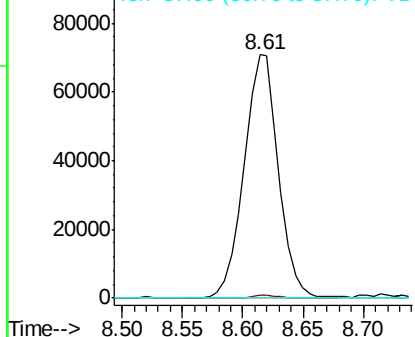
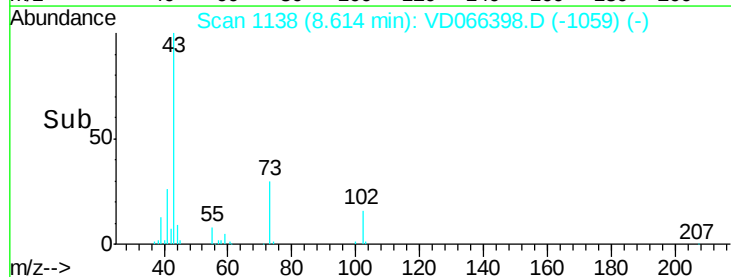
#43
Isopropyl Acetate
Concen: 217.161 ug/l
RT: 8.61 min Scan# 1138
Delta R.T. 0.16 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

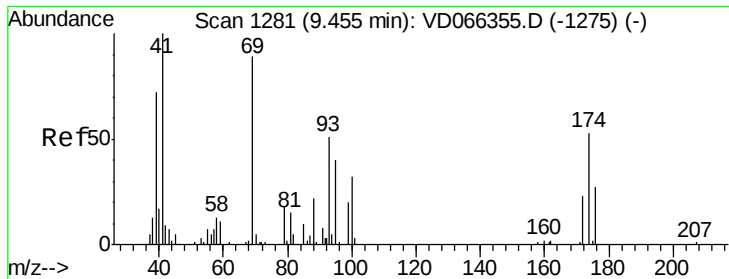
Tgt Ion: 43 Resp: 140164

Ion	Ratio	Lower	Upper
43	100		
61	0.8	26.5	39.7#
87	0.0	11.9	17.9#



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





#48

Methyl methacrylate

Concen: 7.256 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.11 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampled :
20071

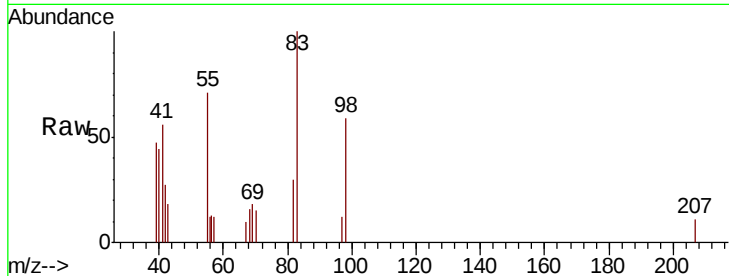
Tot Ion: 41 Resp: 2415

Ion Ratio Lower Upper

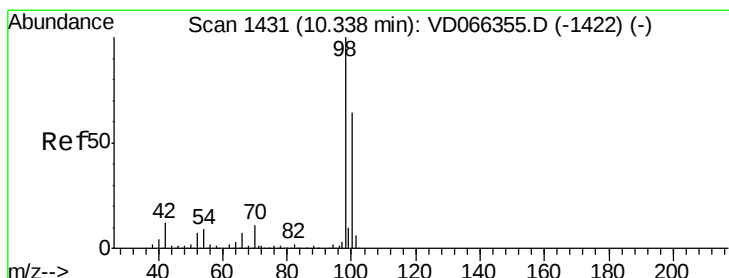
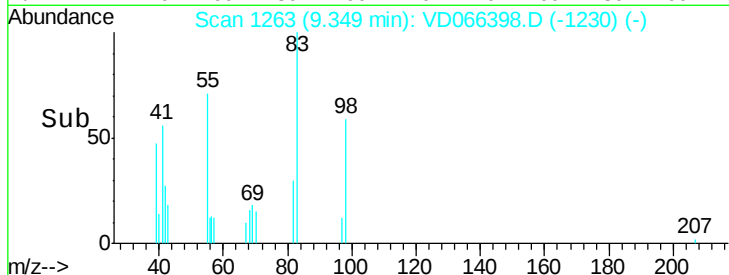
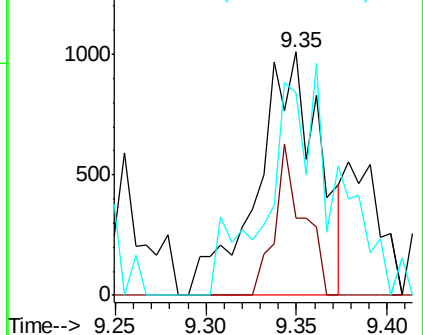
41 100

69 28.4 75.5 113.3#

39 88.3 57.0 85.4#



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



#50

Toluene-d8

Concen: 19.260 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066398.D

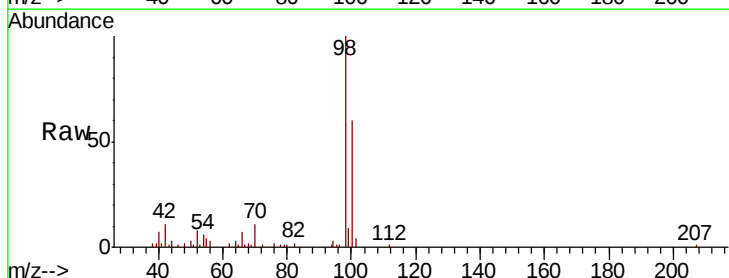
Acq: 25 Aug 2020 13:19

Tgt Ion: 98 Resp: 45662

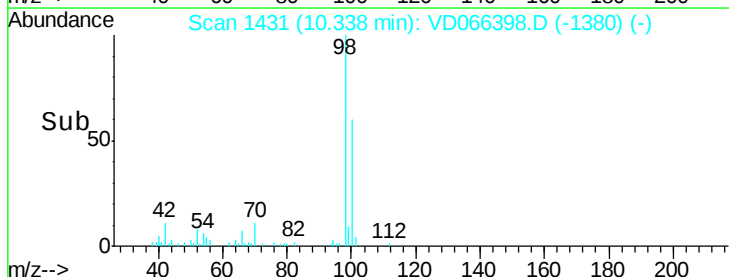
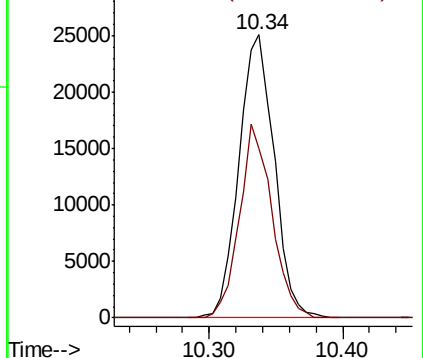
Ion Ratio Lower Upper

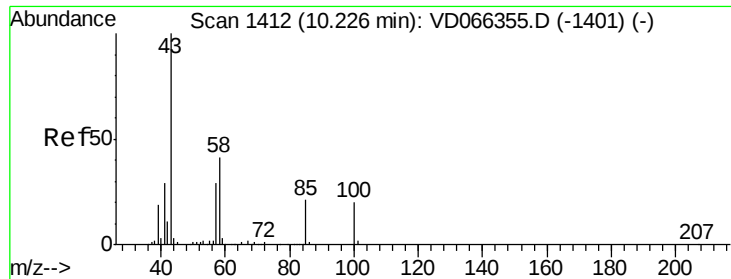
98 100

100 63.1 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.553 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

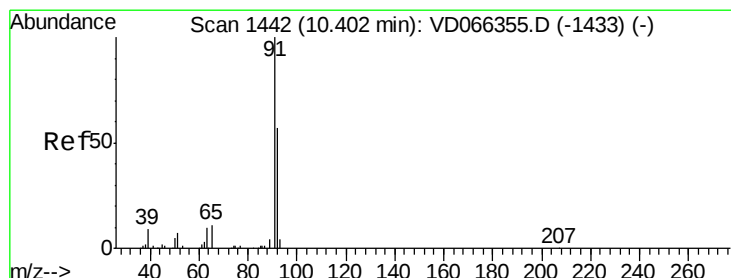
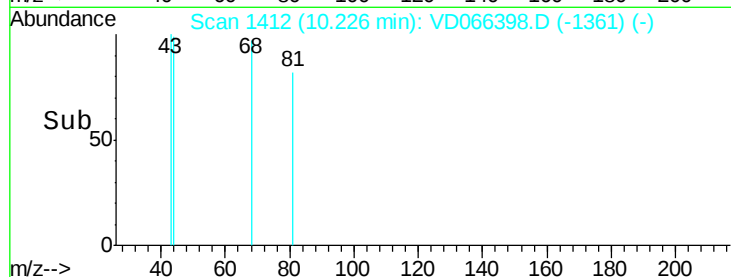
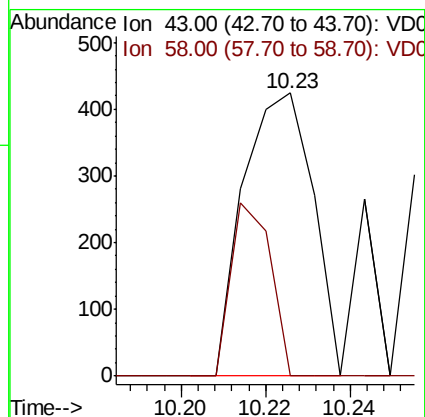
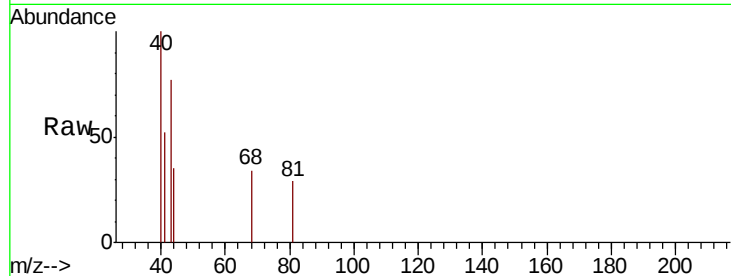
20071

Tot Ion: 43 Resp: 485

Ion Ratio Lower Upper

43 100

58 34.6 31.4 47.2



#52

Toluene

Concen: 4.087 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066398.D

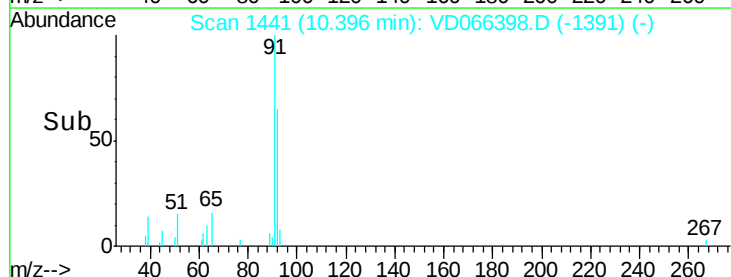
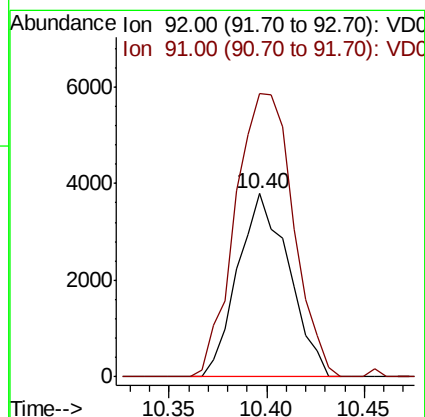
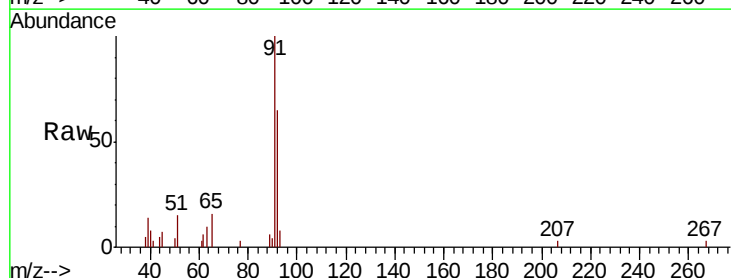
Acq: 25 Aug 2020 13:19

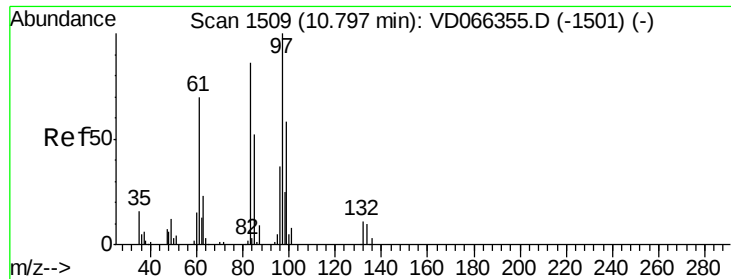
Tgt Ion: 92 Resp: 6887

Ion Ratio Lower Upper

92 100

91 175.5 135.8 203.6

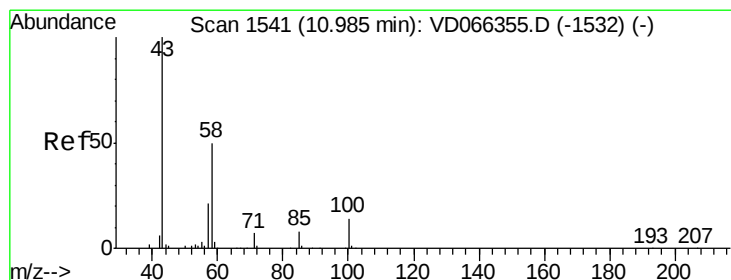
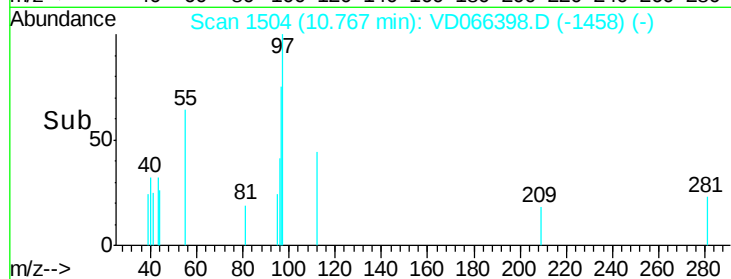
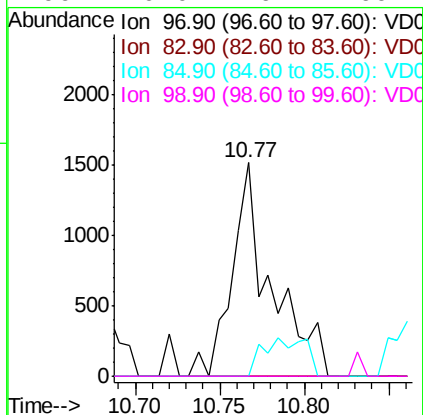
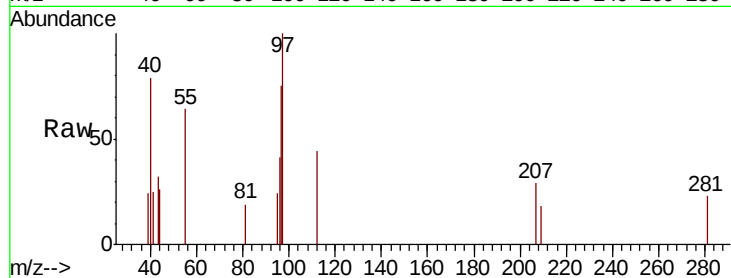




#55
 1,1,2-Trichloroethane
 Concen: 5.119 ug/l
 RT: 10.77 min Scan# 1504
 Delta R.T. -0.03 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

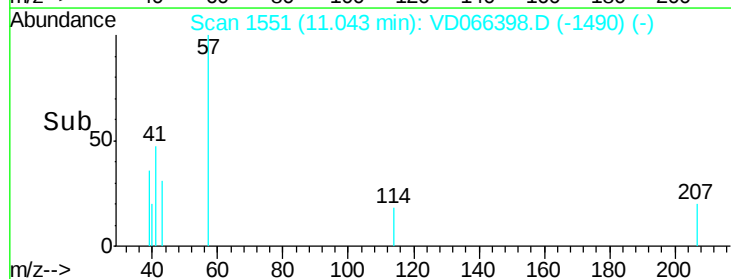
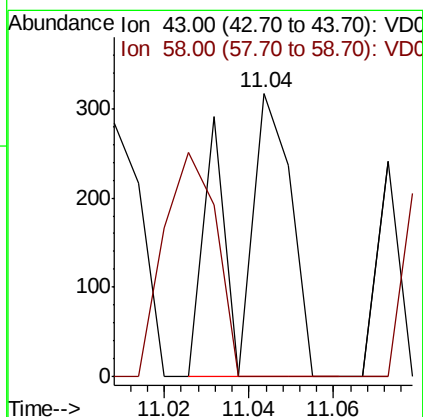
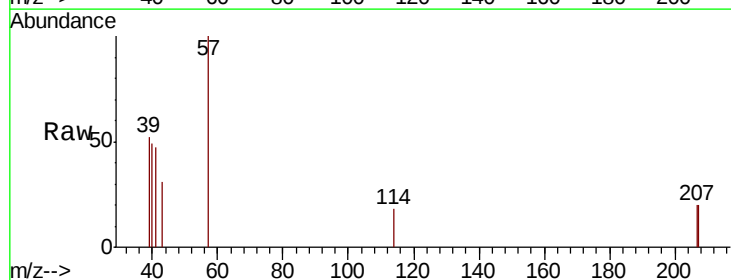
Instrument :
 MSVOA_D
 ClientSampleId :
 20071

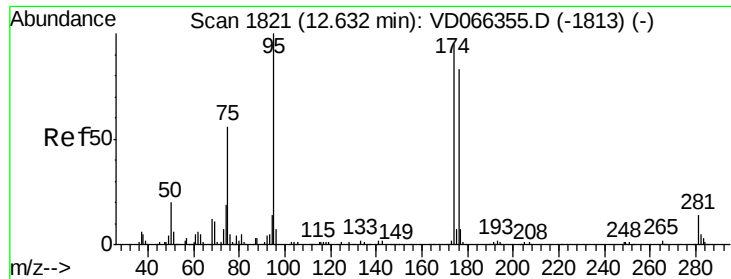
Tot Ion: 97 Resp: 2433
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.4 102.6#
 85 0.0 41.3 61.9#
 99 0.0 46.1 69.1#



#59
 2-Hexanone
 Concen: 1.353 ug/l
 RT: 11.04 min Scan# 1551
 Delta R.T. 0.06 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion: 43 Resp: 298
 Ion Ratio Lower Upper
 43 100
 58 72.1 26.3 78.8

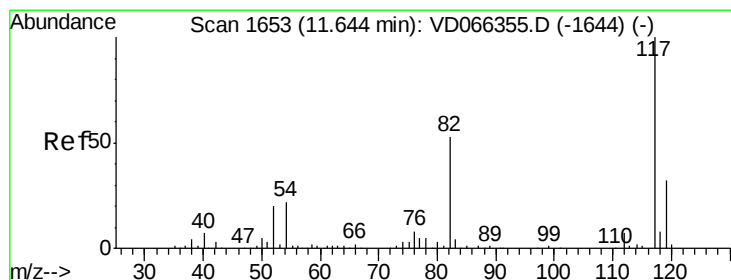
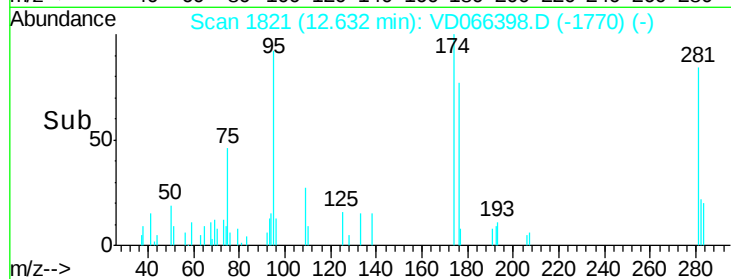
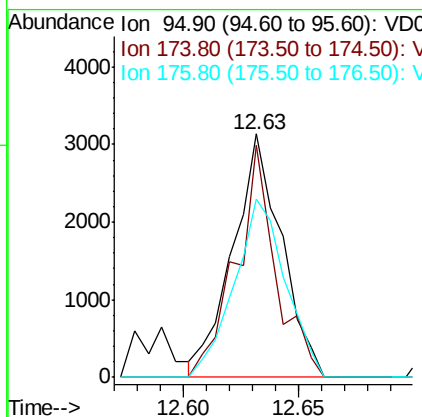
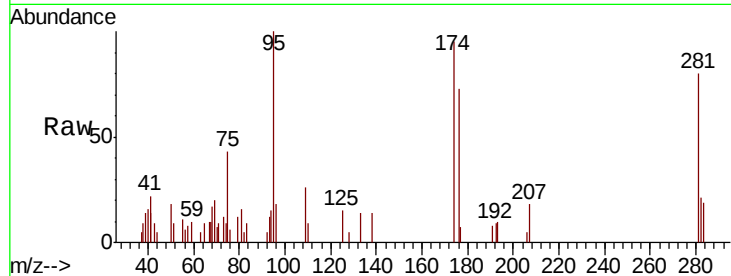




#62
4-Bromofluorobenzene
Concen: 5.472 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

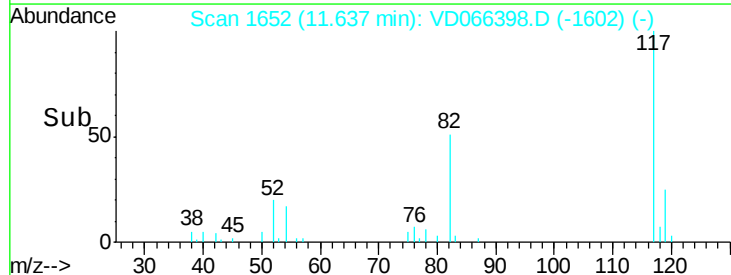
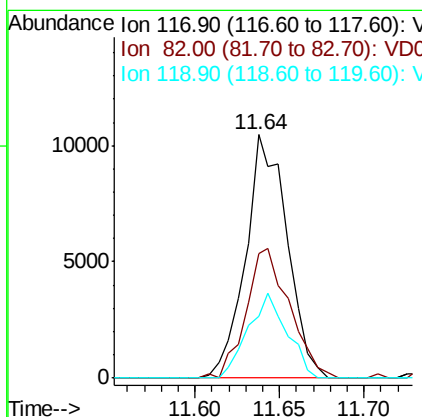
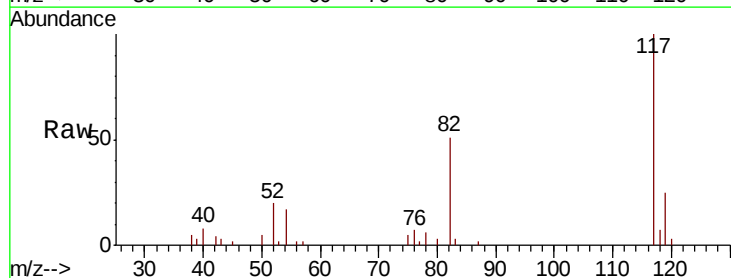
Instrument :
MSVOA_D
ClientSampleId :
20071

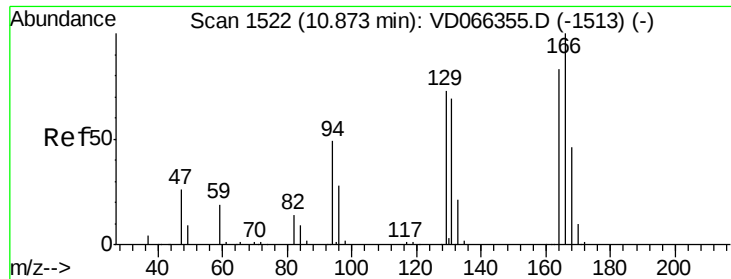
Tot Ion: 95 Resp: 4603
Ion Ratio Lower Upper
95 100
174 78.4 0.0 183.4
176 77.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion: 117 Resp: 17876
Ion Ratio Lower Upper
117 100
82 50.9 42.8 64.2
119 25.2 25.8 38.8#





#64

Tetrachloroethene

Concen: 4.506 ug/l

RT: 10.87 min Scan# 1521

Delta R.T. -0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

Tot Ion:164 Resp: 611

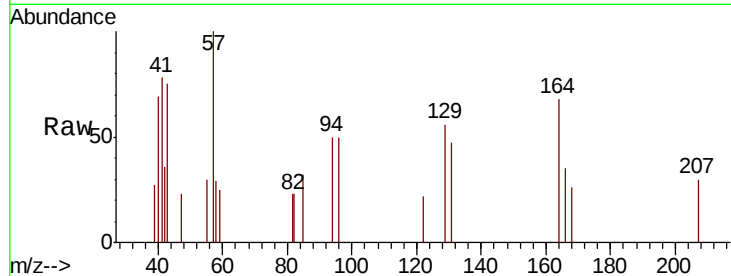
Ion Ratio Lower Upper

164 100

166 50.7 96.2 144.4#

129 82.0 70.3 105.5

131 69.2 66.4 99.6

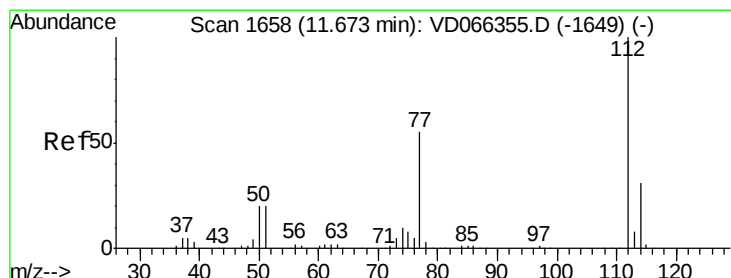
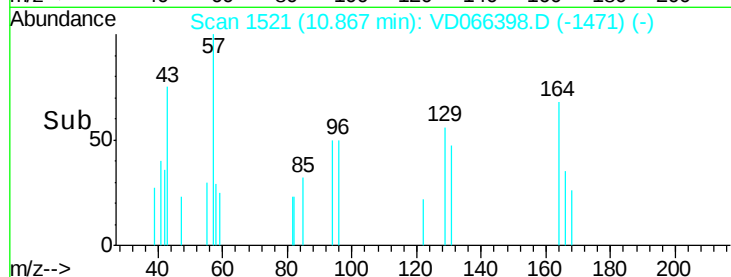
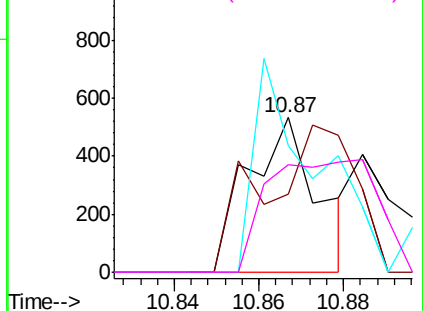


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.587 ug/l

RT: 11.66 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VD066398.D

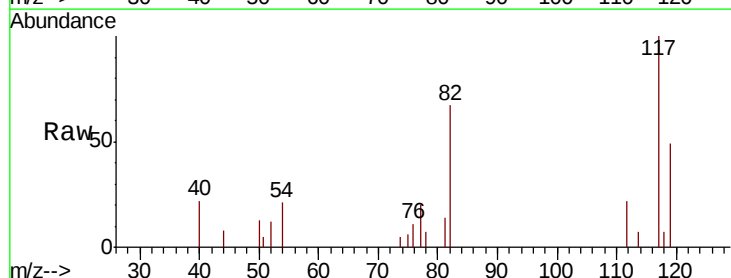
Acq: 25 Aug 2020 13:19

Tgt Ion:112 Resp: 920

Ion Ratio Lower Upper

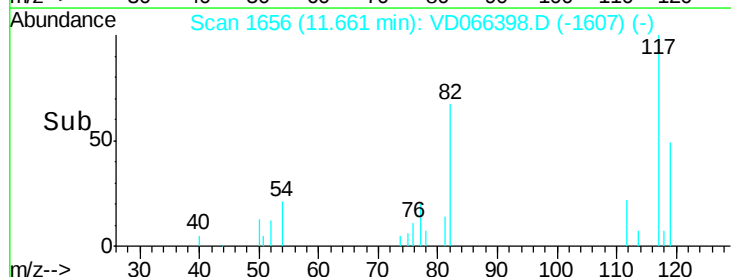
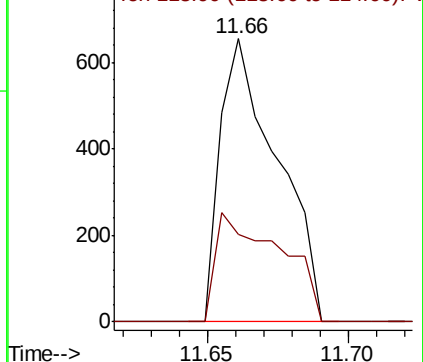
112 100

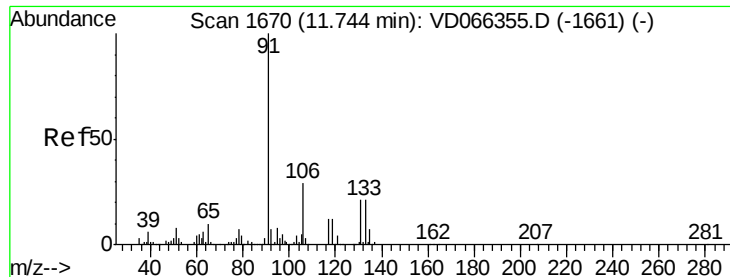
114 30.7 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

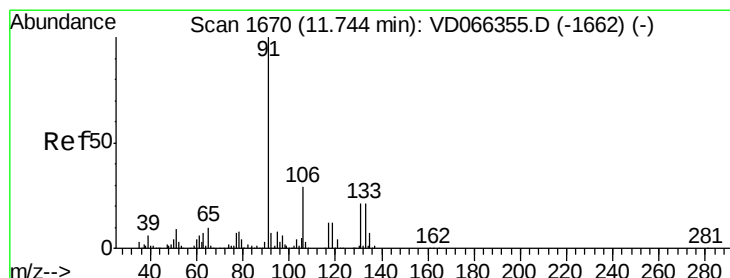
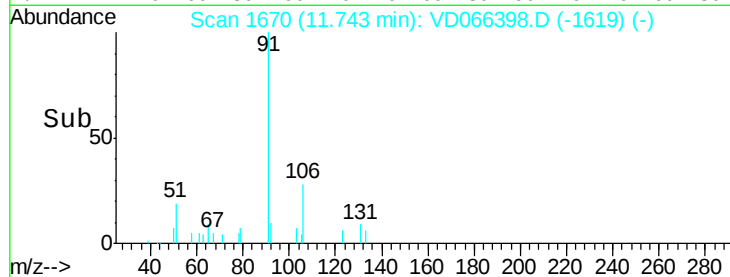
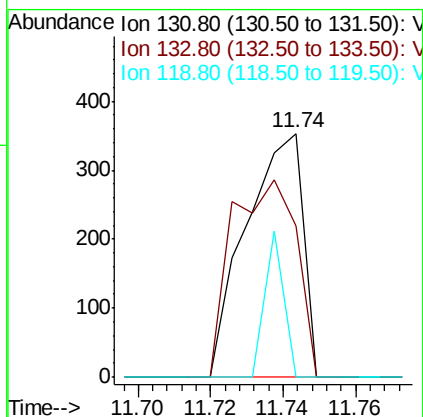
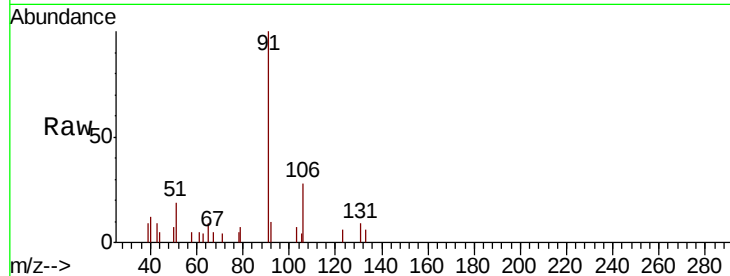




#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.649 ug/l
 RT: 11.74 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

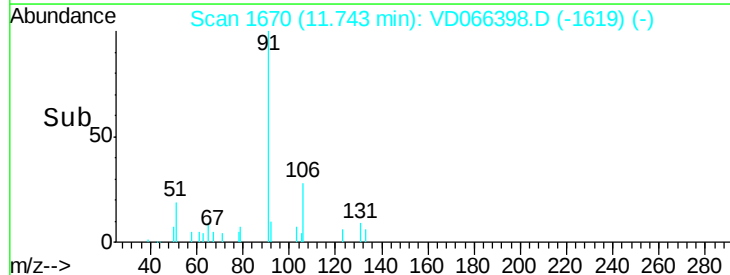
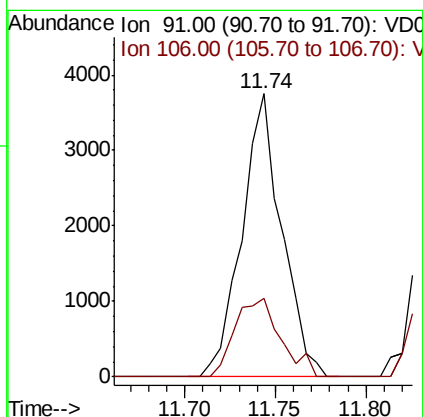
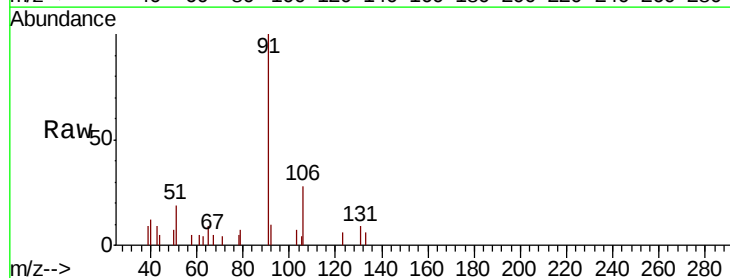
Instrument :
 MSVOA_D
 ClientSampleId :
 20071

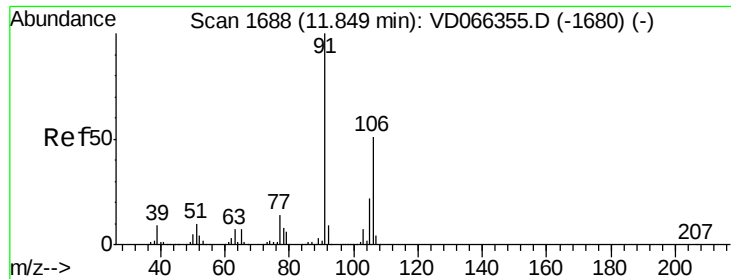
Tot Ion	Ratio	Lower	Upper
131	100		
133	91.4	48.6	145.9
119	0.0	29.0	87.1#



#67
 Ethyl Benzene
 Concen: 9.158 ug/l
 RT: 11.74 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.9	23.4	35.2

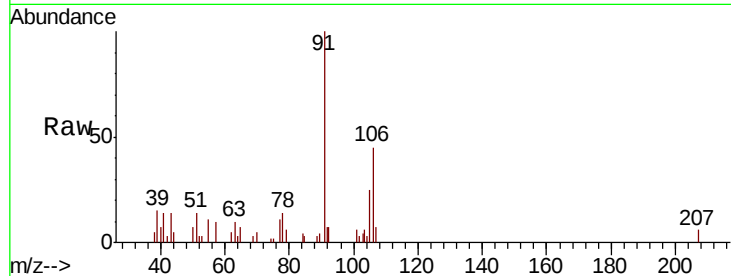




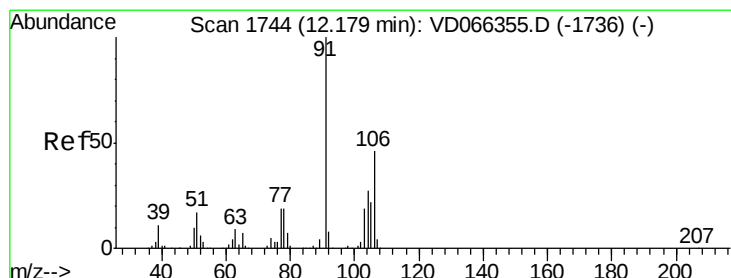
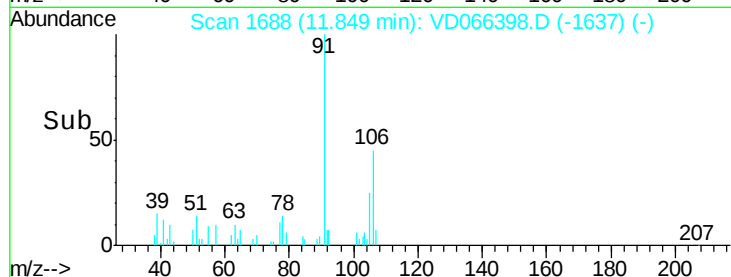
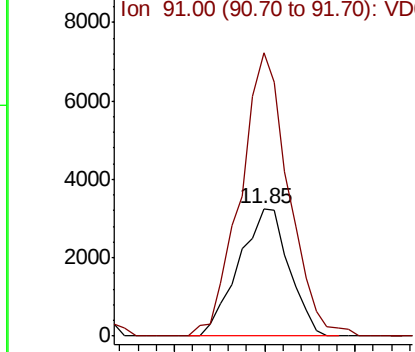
#68
m/p-Xylenes
Concen: 26.319 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :
20071

Tot Ion:106 Resp: 6280
Ion Ratio Lower Upper
106 100
91 212.8 160.7 241.1

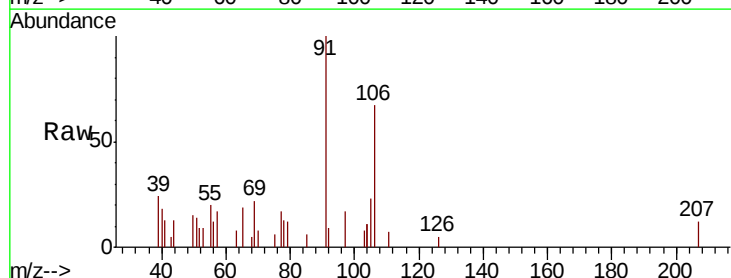


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

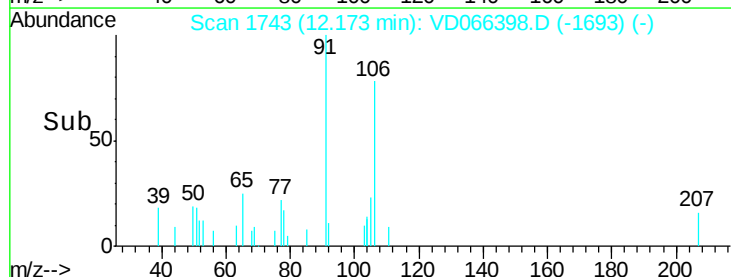
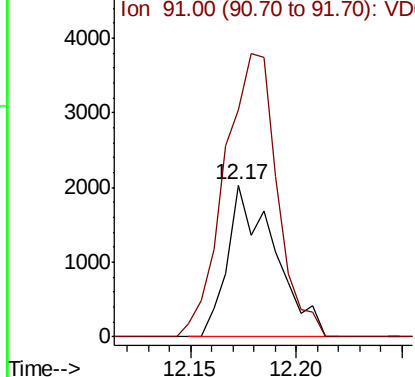


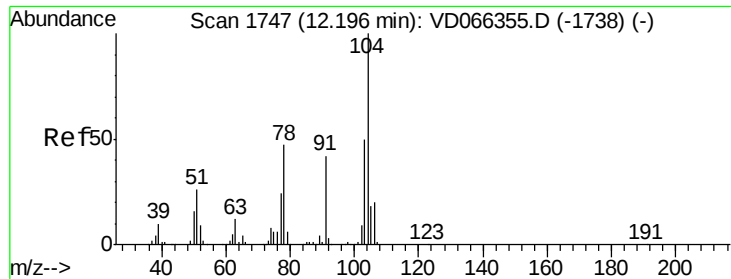
#69
o-Xylene
Concen: 14.168 ug/l
RT: 12.17 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion:106 Resp: 3145
Ion Ratio Lower Upper
106 100
91 209.6 109.1 327.3



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

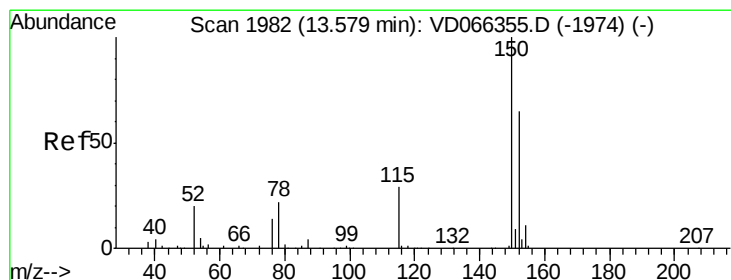
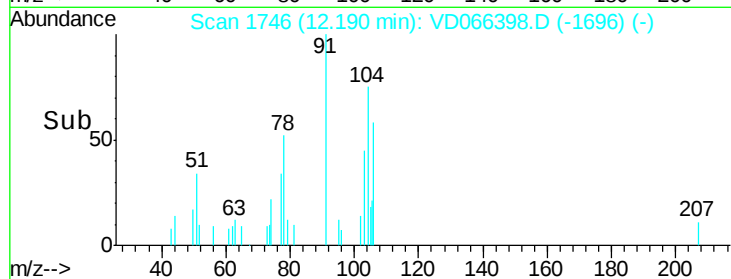
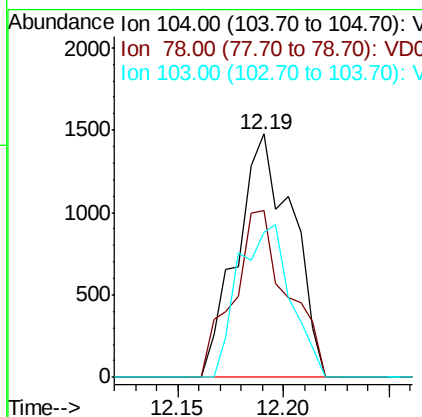
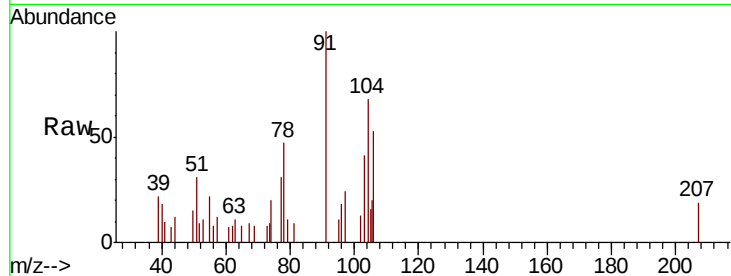




#70
Stvrene
Concen: 7.079 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

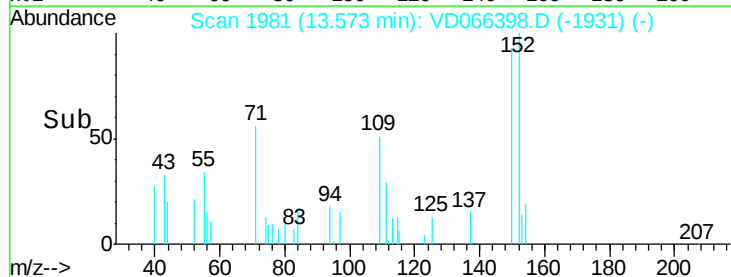
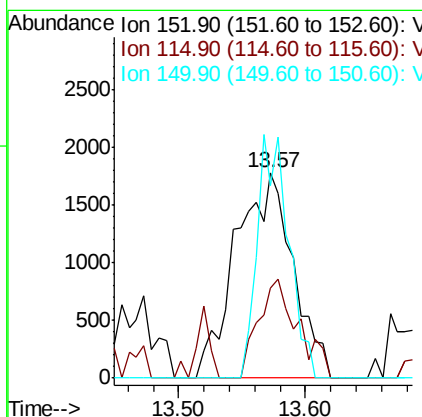
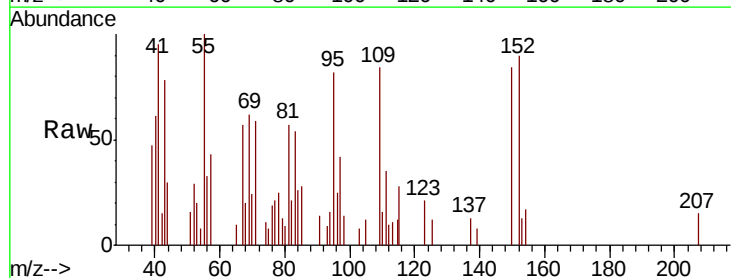
Instrument :
MSVOA_D
ClientSampleId :
20071

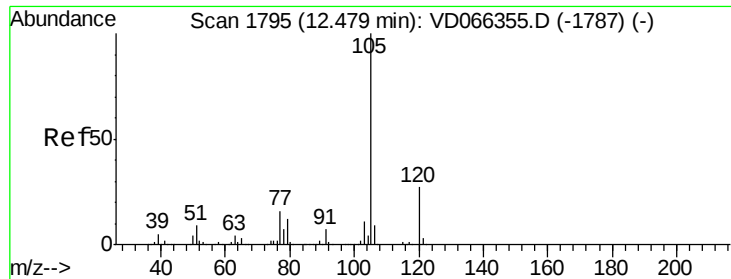
Tot Ion:104 Resp: 2698
Ion Ratio Lower Upper
104 100
78 66.7 41.7 62.5#
103 59.0 43.5 65.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion:152 Resp: 5581
Ion Ratio Lower Upper
152 100
115 33.5 28.3 85.0
150 65.0 0.0 343.2





#73

Isopropylbenzene

Concen: 11.370 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

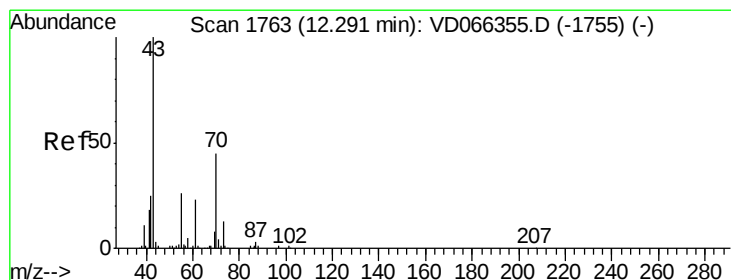
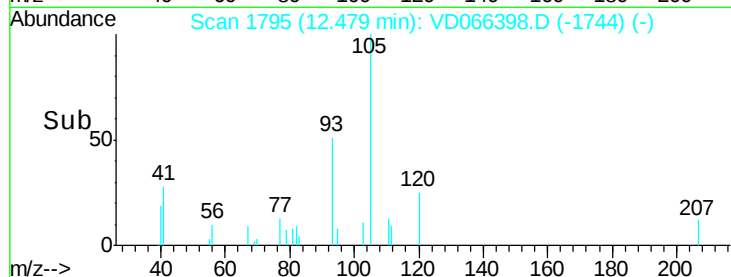
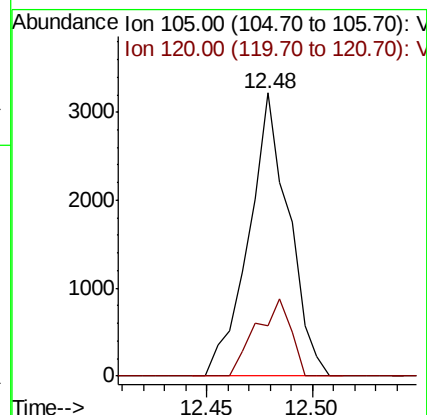
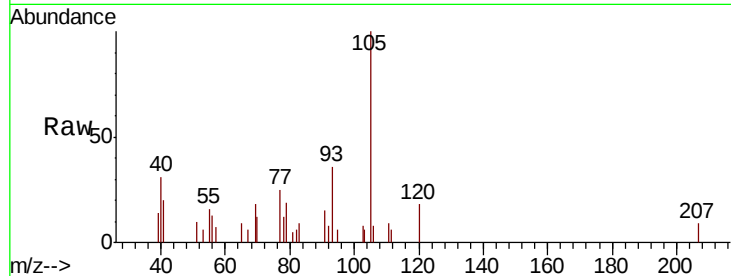
20071

Tot Ion:105 Resp: 4251

Ion Ratio Lower Upper

105 100

120 23.5 13.6 40.8



#74

N-ethyl acetate

Concen: 31.381 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.03 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Tgt Ion: 43 Resp: 2119

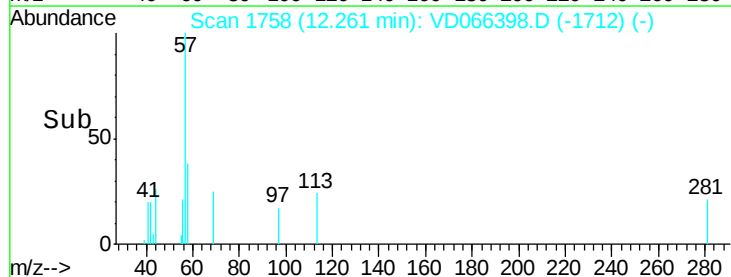
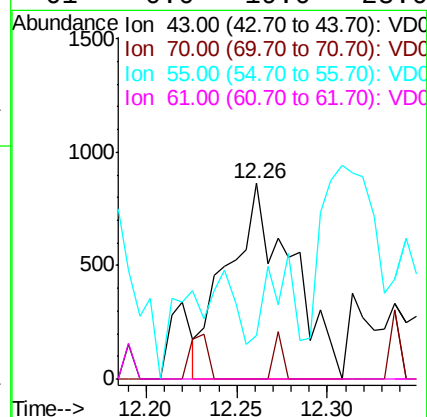
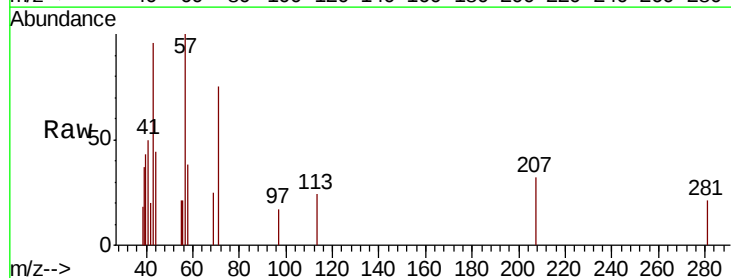
Ion Ratio Lower Upper

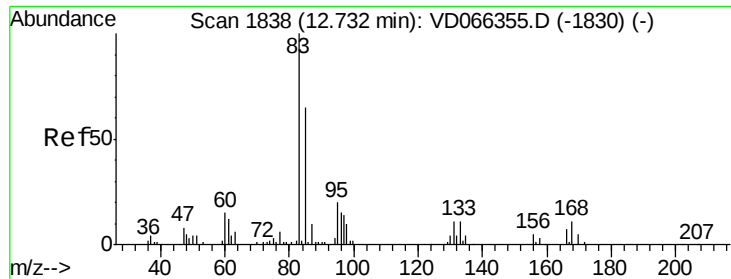
43 100

70 3.5 34.8 52.2#

55 16.1 20.3 30.5#

61 0.0 19.0 28.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 8.650 ug/l

RT: 12.70 min Scan# 1833

Delta R.T. -0.03 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

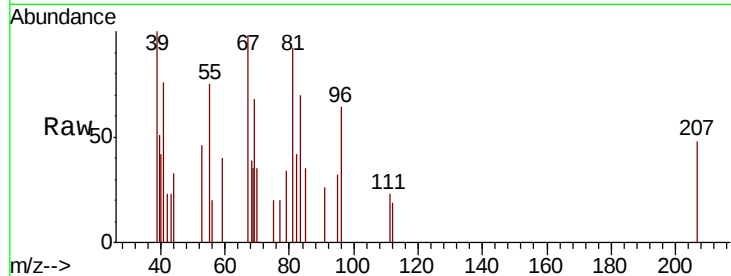
Tot Ion: 83 Resp: 462

Ion Ratio Lower Upper

83 100

131 0.0 7.0 20.9#

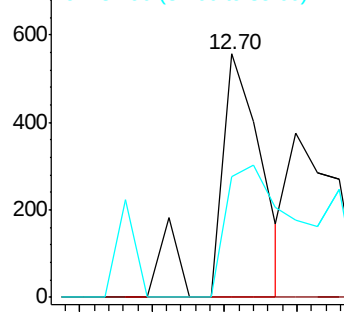
85 105.0 32.4 97.0#



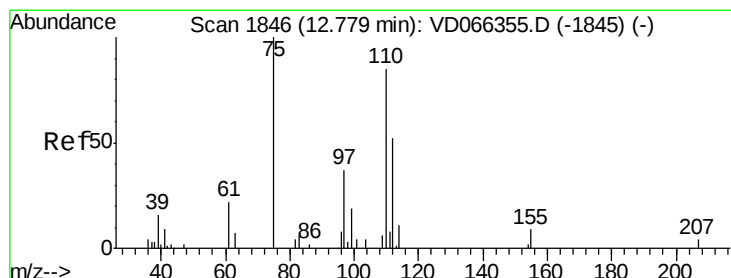
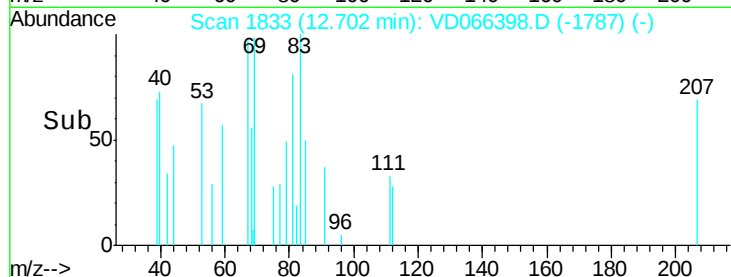
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 16.173 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.05 min

Lab File: VD066398.D

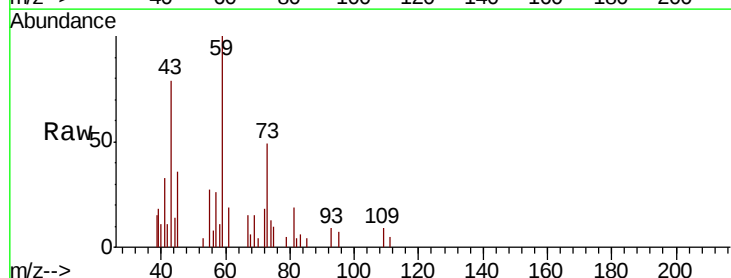
Acq: 25 Aug 2020 13:19

Tgt Ion: 75 Resp: 635

Ion Ratio Lower Upper

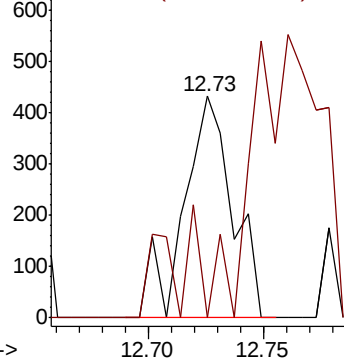
75 100

77 12.3 182.9 548.9#

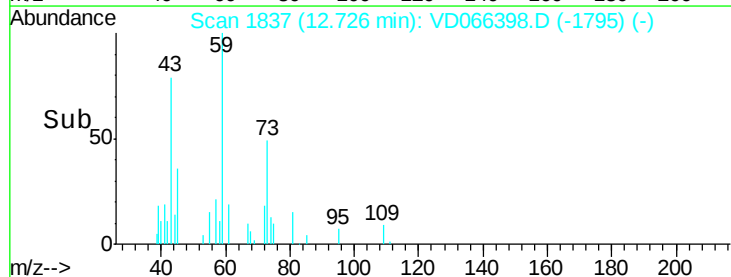


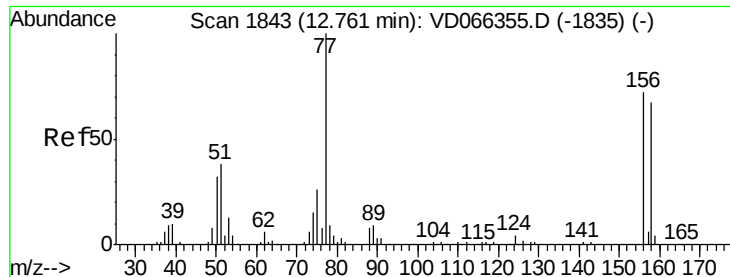
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time-->





#77

Bromobenzene

Concen: 3.267 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

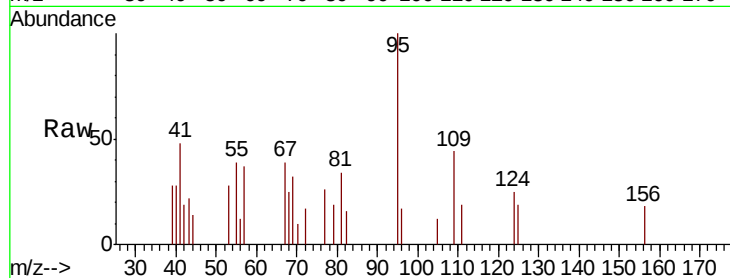
Tot Ion:156 Resp: 310

Ion Ratio Lower Upper

156 100

77 362.9 76.1 228.3#

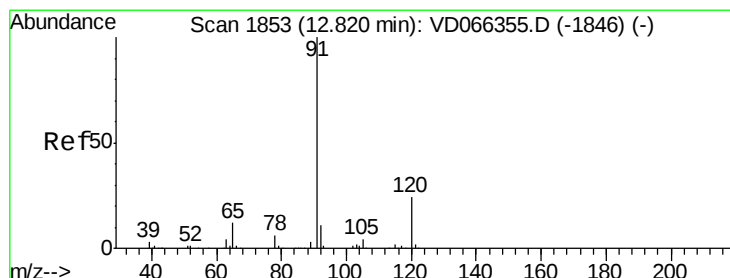
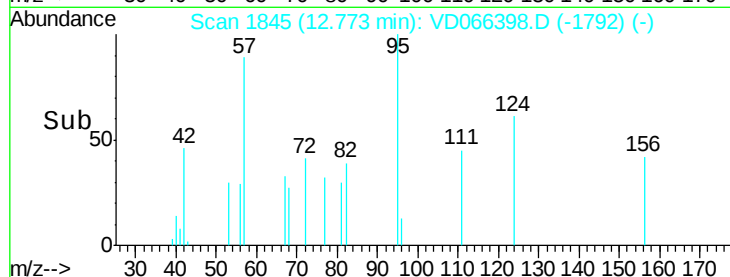
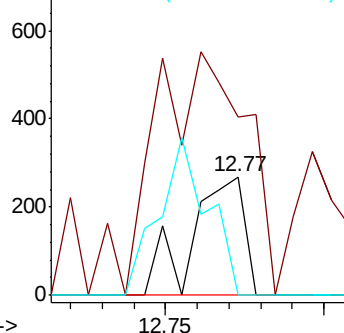
158 122.9 47.6 142.9



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: 13.600 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066398.D

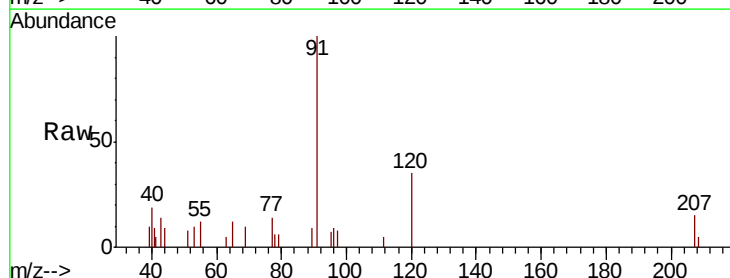
Acq: 25 Aug 2020 13:19

Tgt Ion: 91 Resp: 5830

Ion Ratio Lower Upper

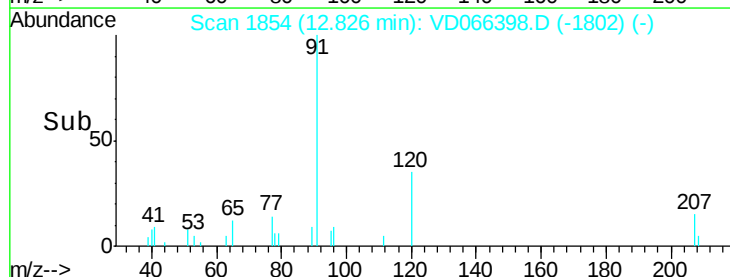
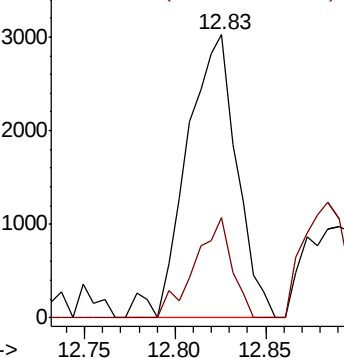
91 100

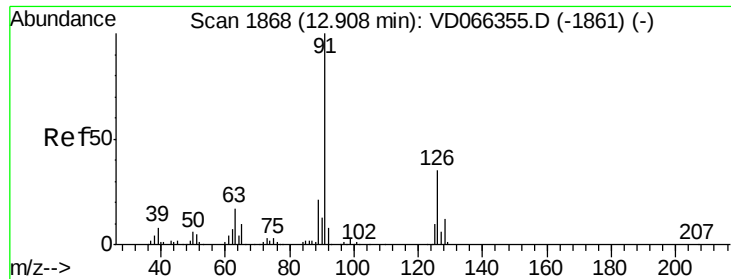
120 26.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 8.034 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. 0.09 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleID :

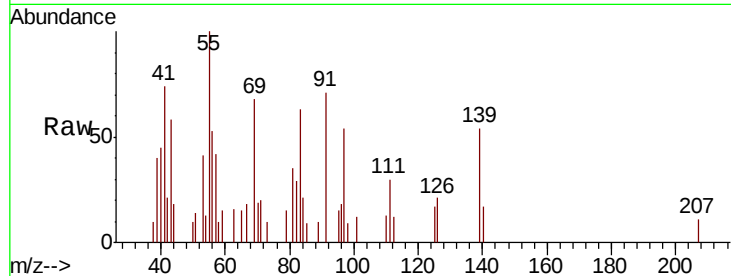
20071

Tot Ion: 91 Resp: 1967

Ion Ratio Lower Upper

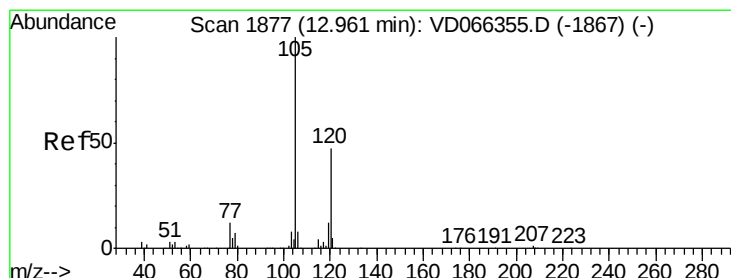
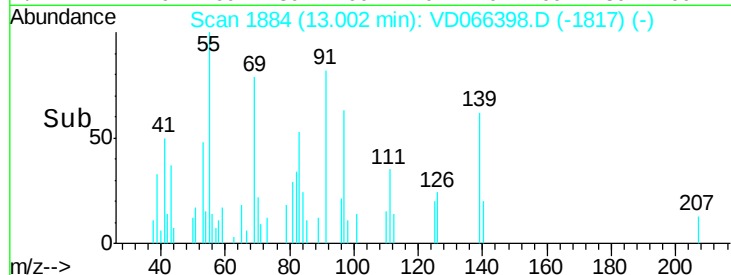
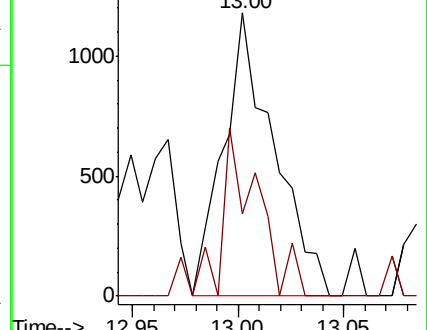
91 100

126 41.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.459 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066398.D

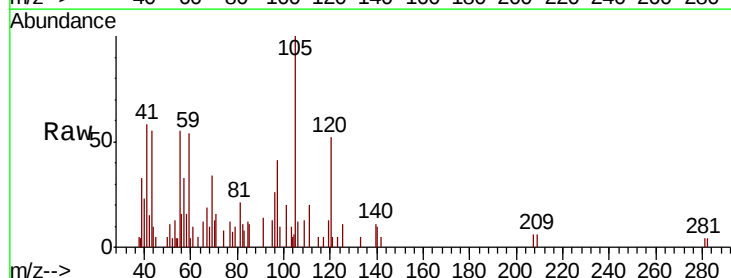
Acq: 25 Aug 2020 13:19

Tgt Ion:105 Resp: 6927

Ion Ratio Lower Upper

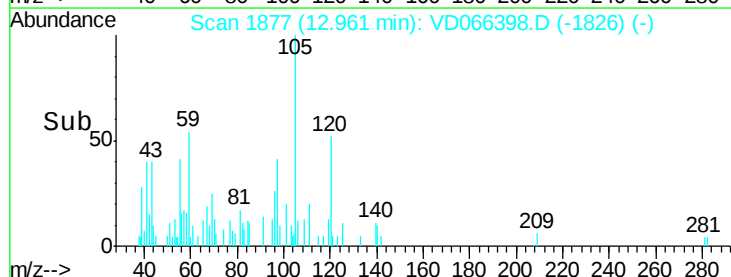
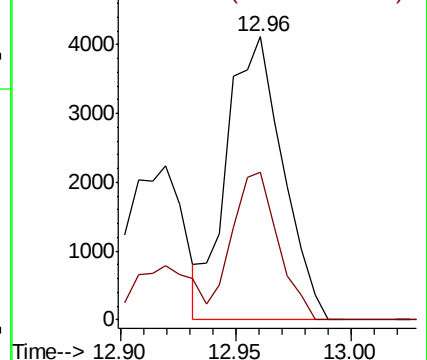
105 100

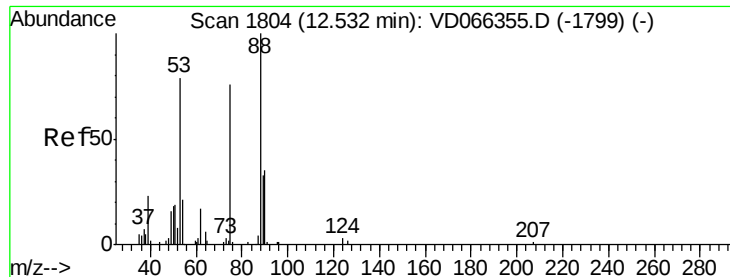
120 42.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 141.701 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

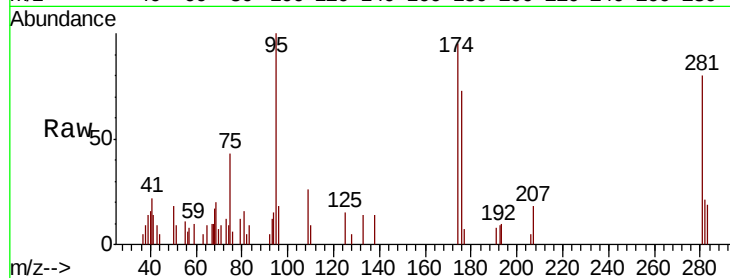
Tot Ion: 75 Resp: 2621

Ion Ratio Lower Upper

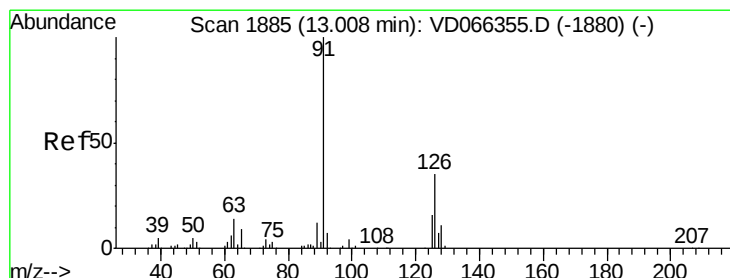
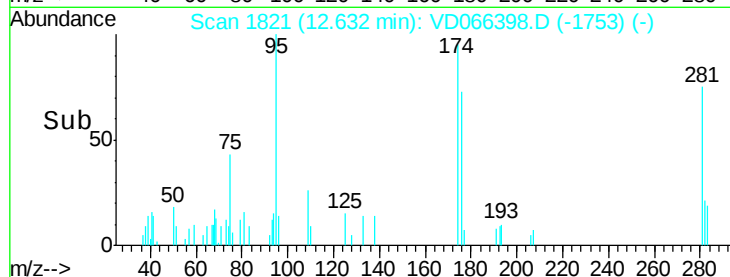
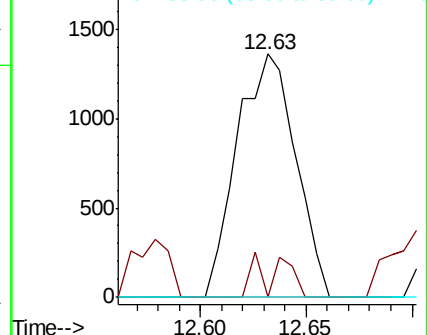
75 100

53 5.3 87.4 131.2#

89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 7.583 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066398.D

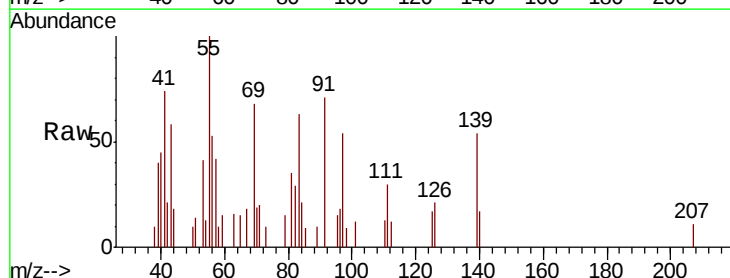
Acq: 25 Aug 2020 13:19

Tgt Ion: 91 Resp: 1967

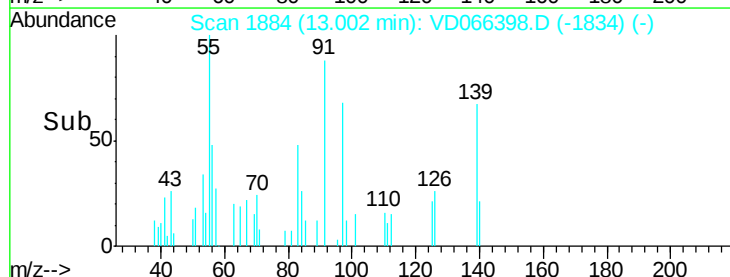
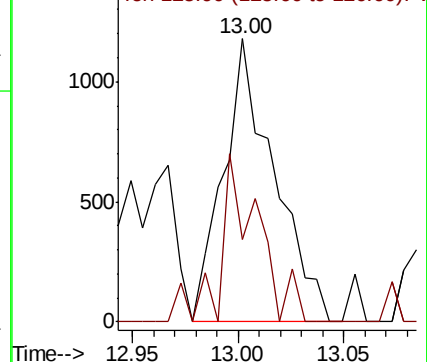
Ion Ratio Lower Upper

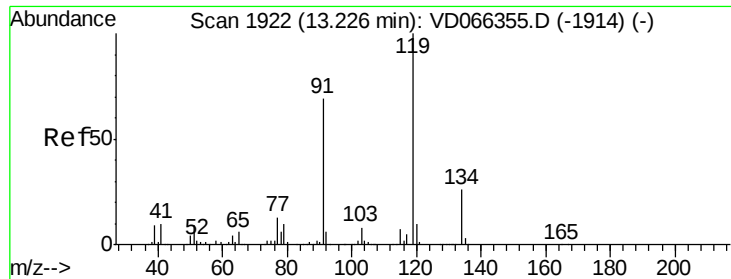
91 100

126 41.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

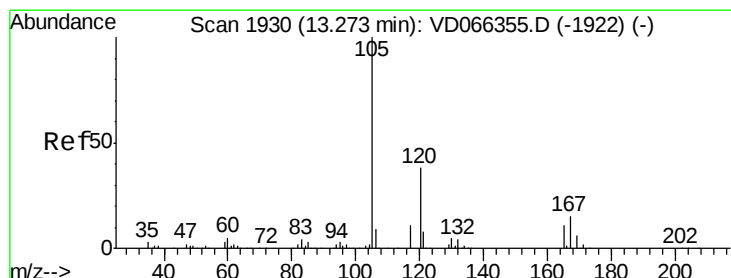
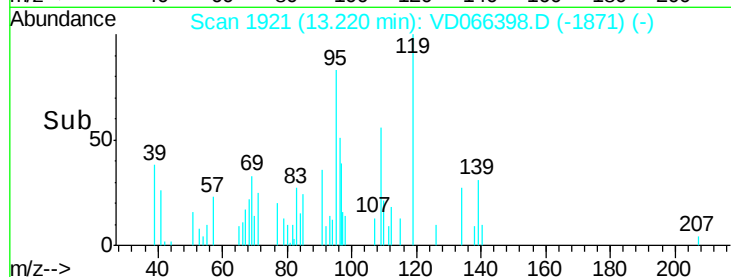
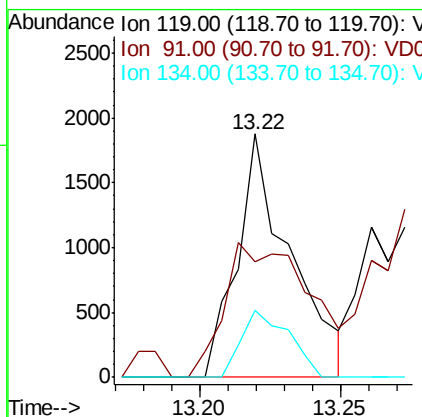
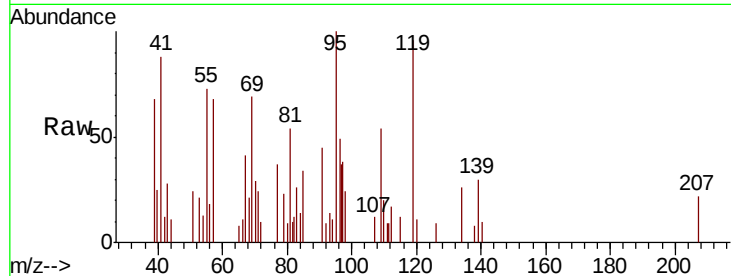




#83
tert-Butylbenzene
Concen: 8.752 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

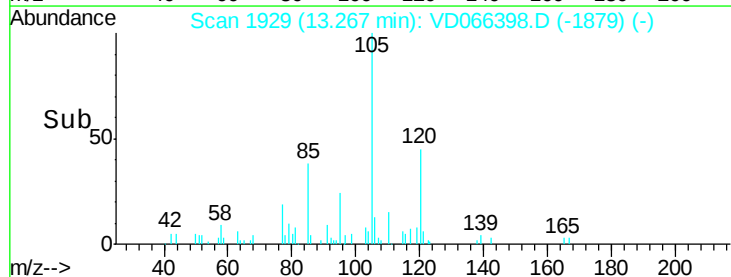
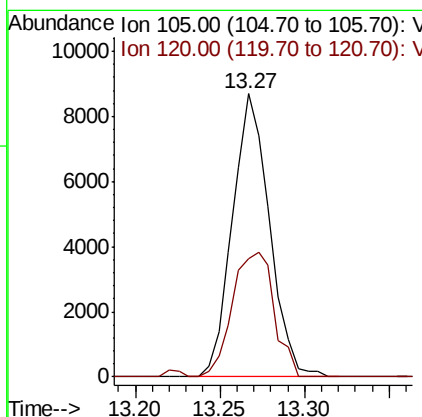
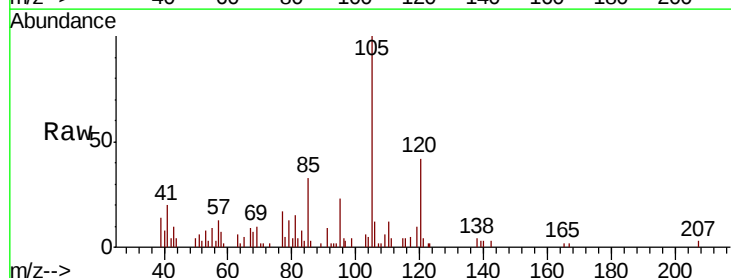
Instrument :
MSVOA_D
ClientSampleId :
20071

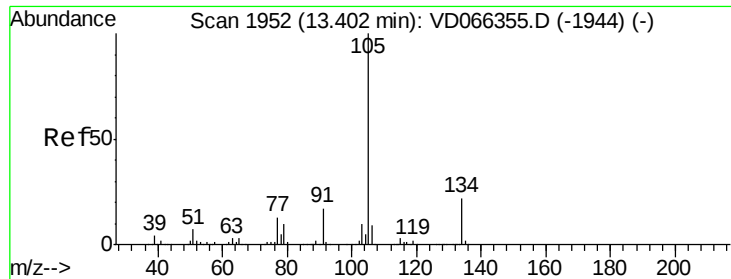
Tot Ion:119 Resp: 2454
Ion Ratio Lower Upper
119 100
91 87.5 33.5 100.5
134 24.4 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 41.835 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion:105 Resp: 13264
Ion Ratio Lower Upper
105 100
120 49.7 22.6 67.7





#85

sec-Butylbenzene

Concen: 16.717 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

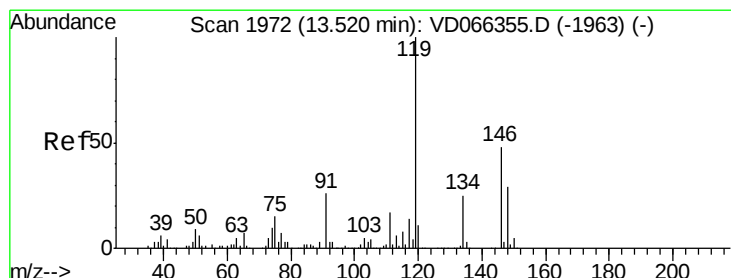
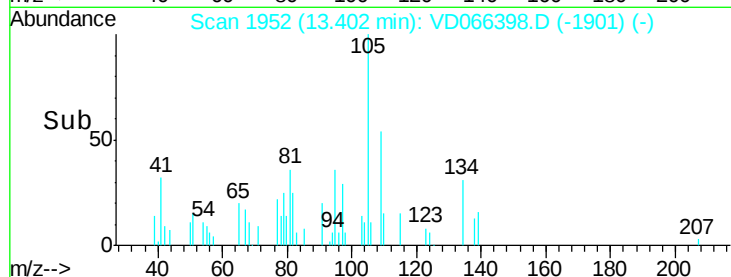
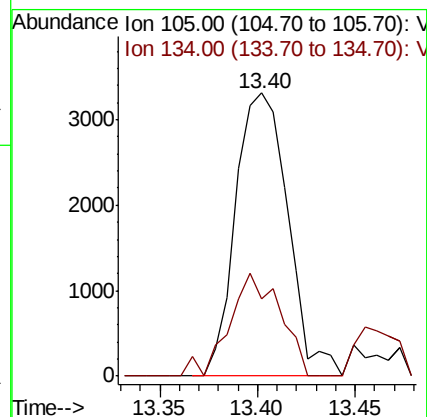
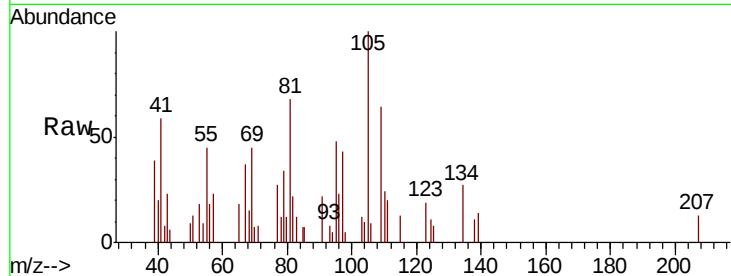
20071

Tot Ion:105 Resp: 6141

Ion Ratio Lower Upper

105 100

134 35.4 10.8 32.4#



#86

p-Isopropyltoluene

Concen: 14.200 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

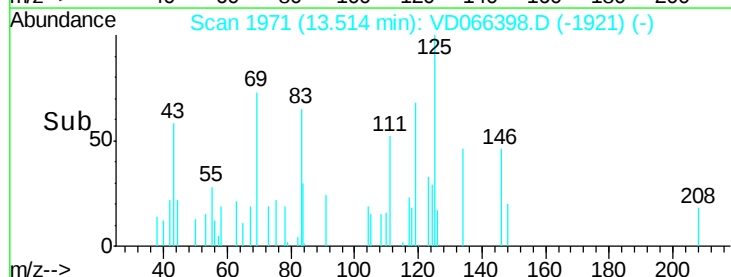
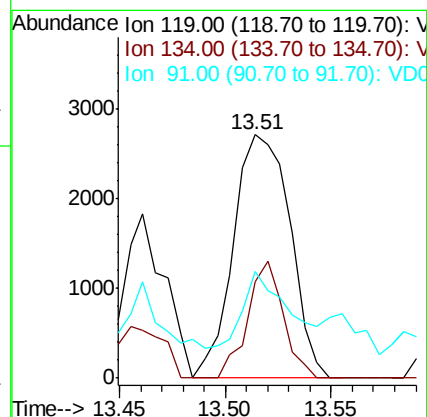
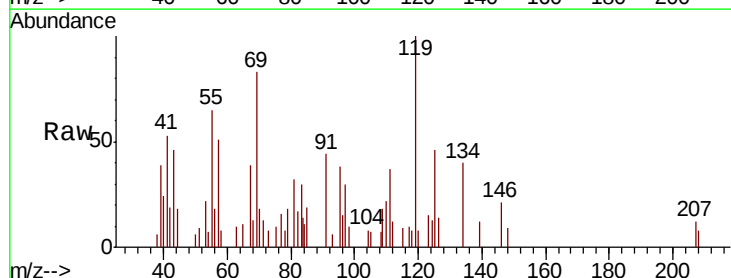
Tgt Ion:119 Resp: 5030

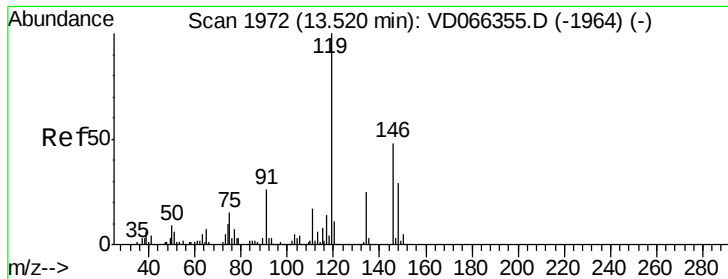
Ion Ratio Lower Upper

119 100

134 30.4 12.8 38.3

91 24.9 12.7 38.0

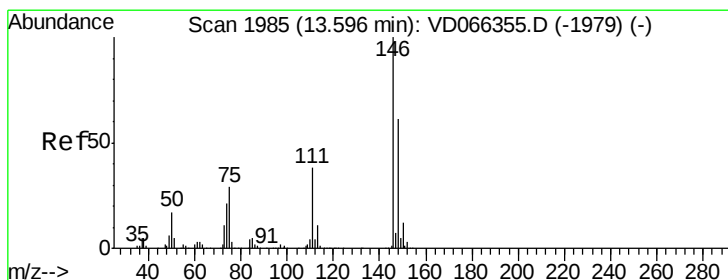
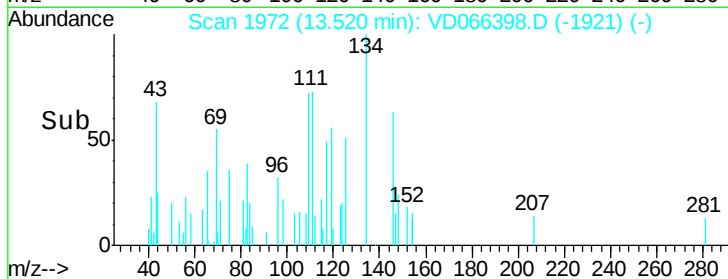
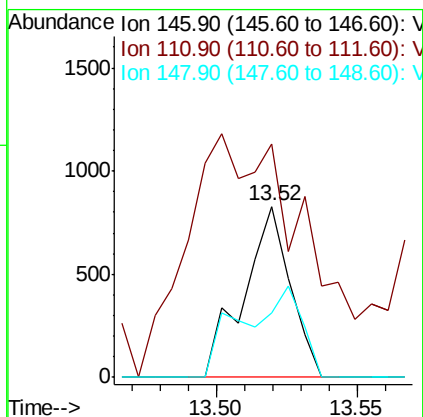
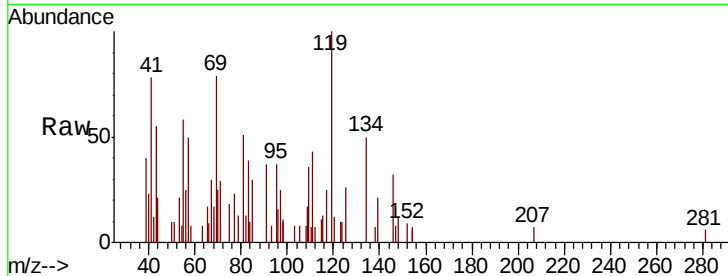




#87
 1,3-Dichlorobenzene
 Concen: 5.363 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

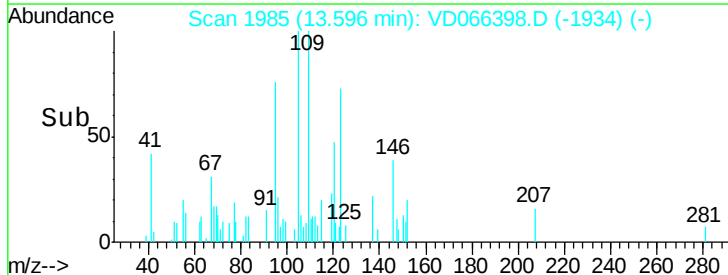
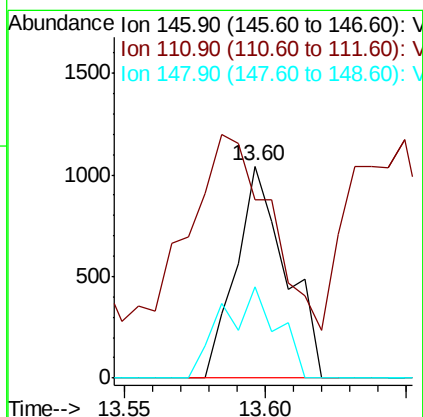
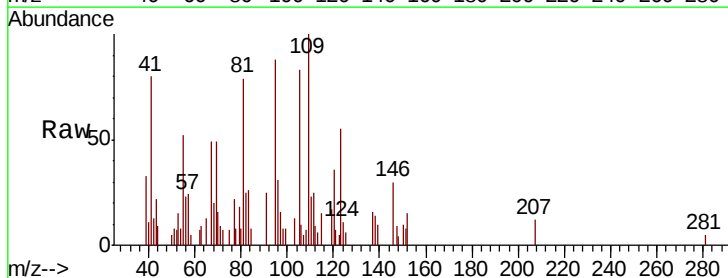
Instrument :
 MSVOA_D
 ClientSampleId :
 20071

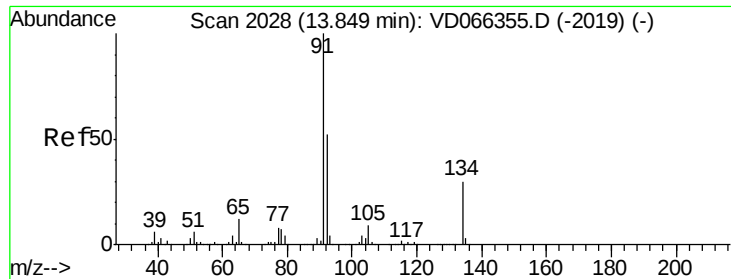
Tot Ion:146 Resp: 950
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.9#
 148 68.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 7.174 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion:146 Resp: 1276
 Ion Ratio Lower Upper
 146 100
 111 142.5 19.1 57.5#
 148 47.6 32.1 96.3

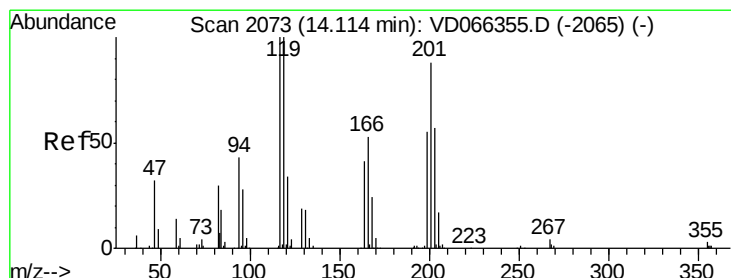
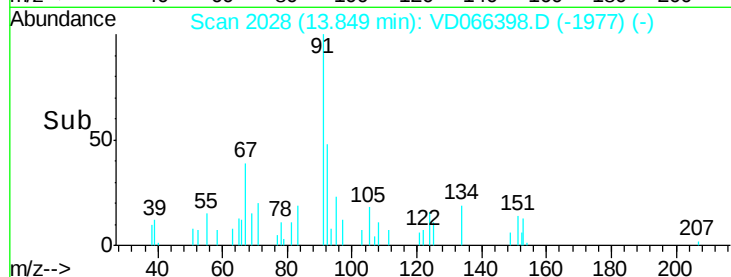
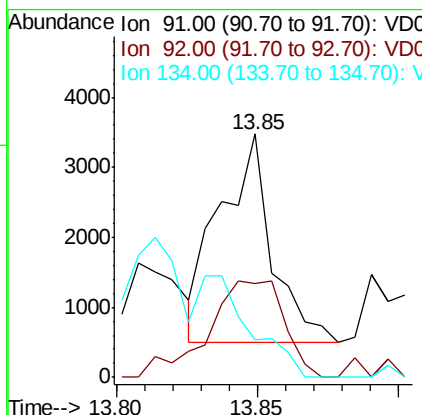
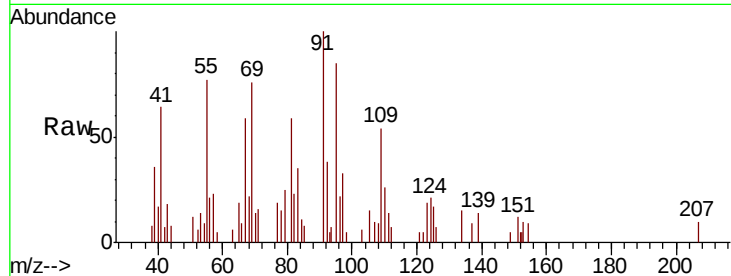




#89
n-Butylbenzene
Concen: 12.214 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

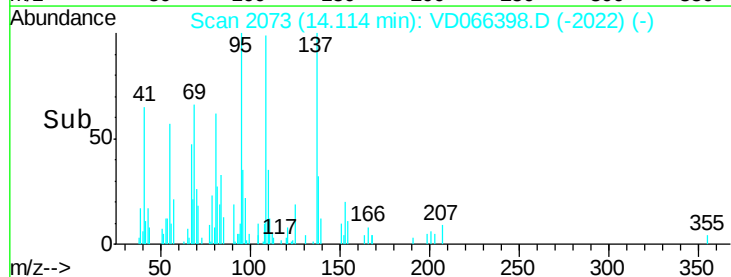
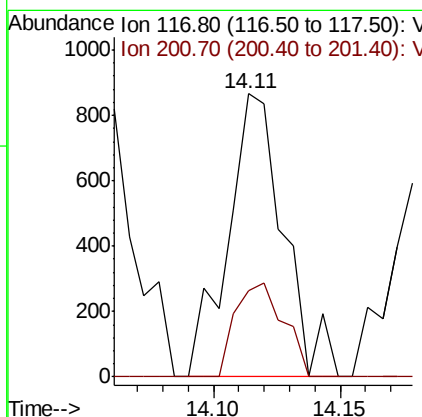
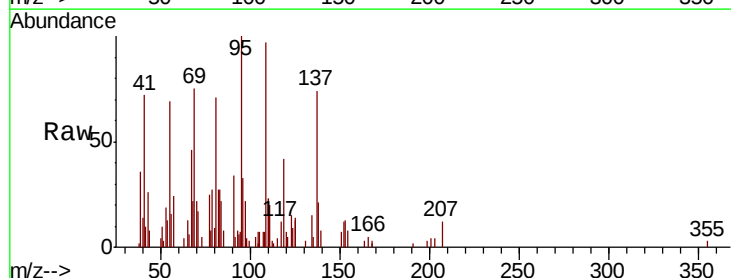
Instrument :
MSVOA_D
ClientSampleId :
20071

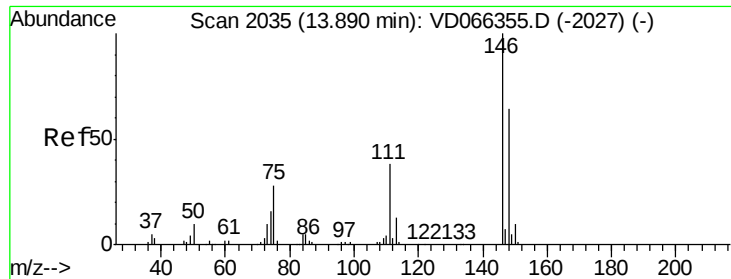
Tot Ion: 91 Resp: 3818
Ion Ratio Lower Upper
91 100
92 67.8 26.4 79.0
134 0.0 14.4 43.4#



#90
Hexachloroethane
Concen: 18.850 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion: 117 Resp: 1319
Ion Ratio Lower Upper
117 100
201 28.5 45.4 136.2#





#91

1,2-Dichlorobenzene

Concen: 5.358 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

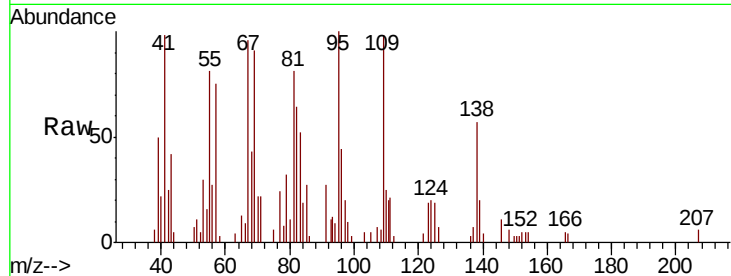
Tot Ion:146 Resp: 817

Ion Ratio Lower Upper

146 100

111 269.6 19.9 59.7#

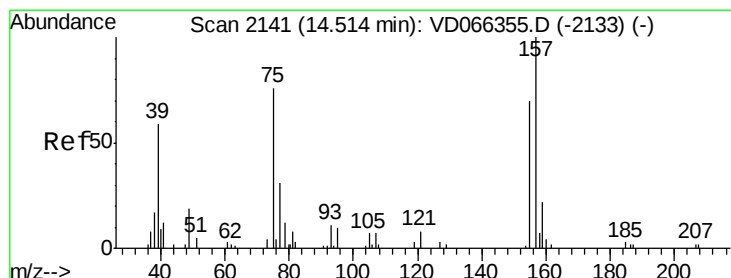
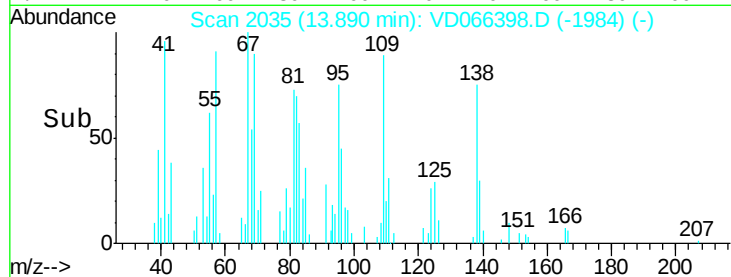
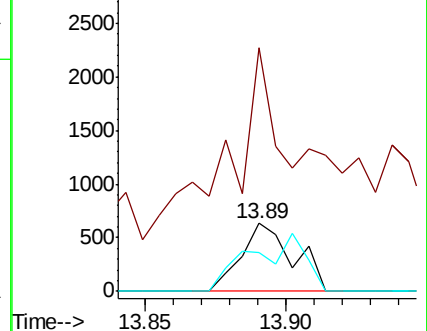
148 88.1 32.6 97.8



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: 5.981 ug/l

RT: 14.54 min Scan# 2145

Delta R.T. 0.02 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

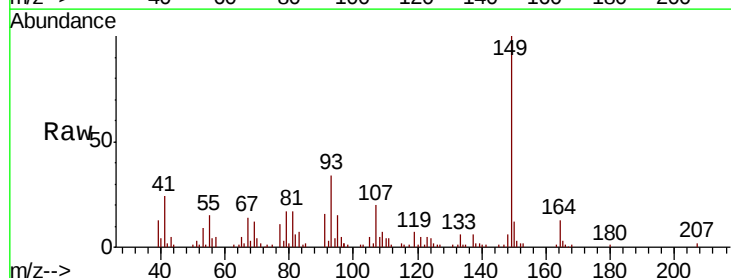
Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.6#

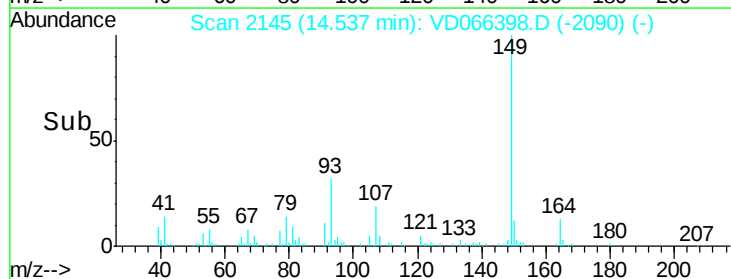
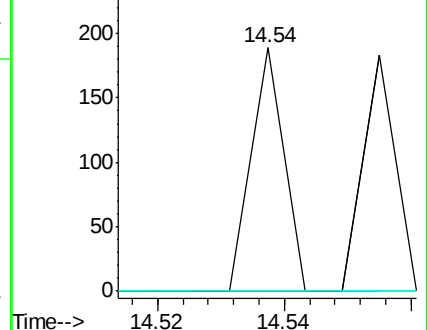
157 0.0 61.0 183.0#

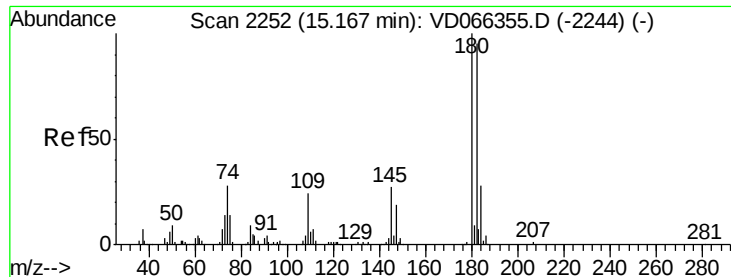


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

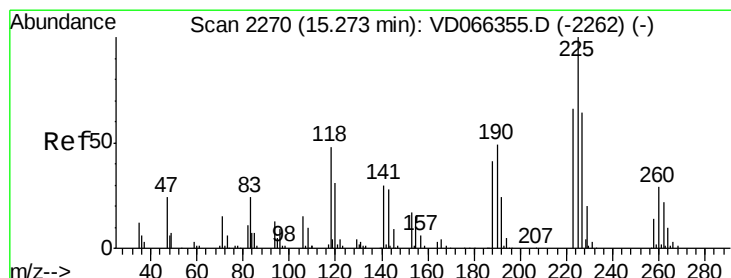
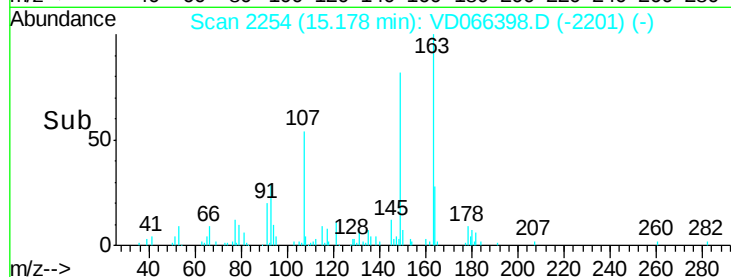
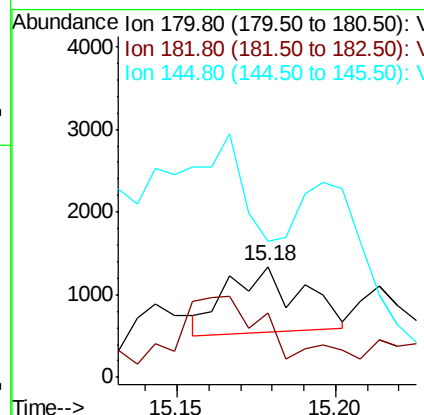
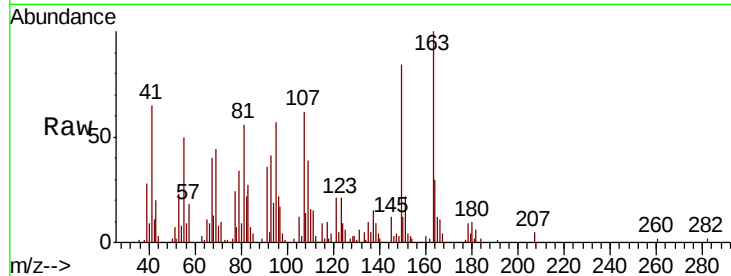




#93
 1,2,4-Trichlorobenzene
 Concen: 10.870 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

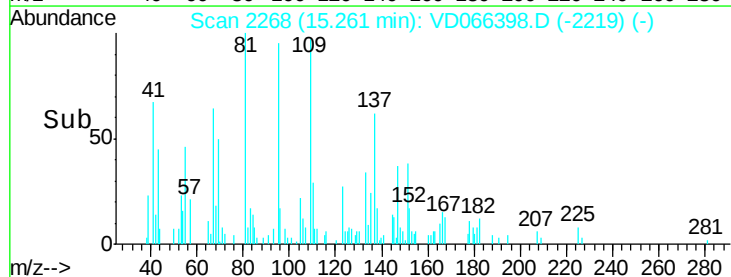
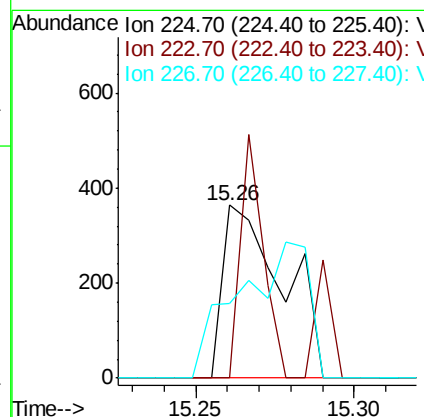
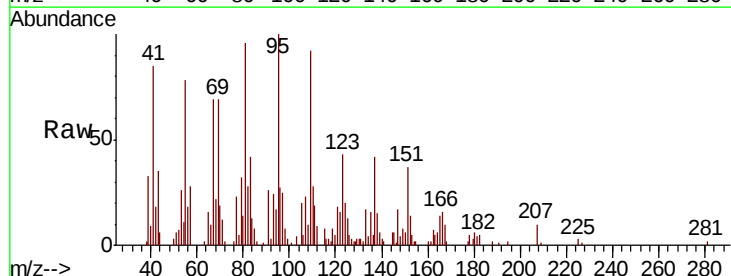
Instrument :
 MSVOA_D
 ClientSampleID :
 20071

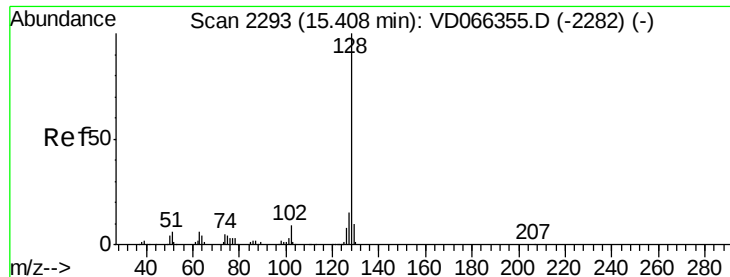
Tot Ion:180 Resp: 1294
 Ion Ratio Lower Upper
 180 100
 182 170.0 48.0 144.0#
 145 627.9 15.2 45.6#



#94
 Hexachlorobutadiene
 Concen: 6.434 ug/l
 RT: 15.26 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion:225 Resp: 476
 Ion Ratio Lower Upper
 225 100
 223 52.5 32.5 97.4
 227 0.0 33.0 98.9#





#95

Naphthalene

Concen: 71.549 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

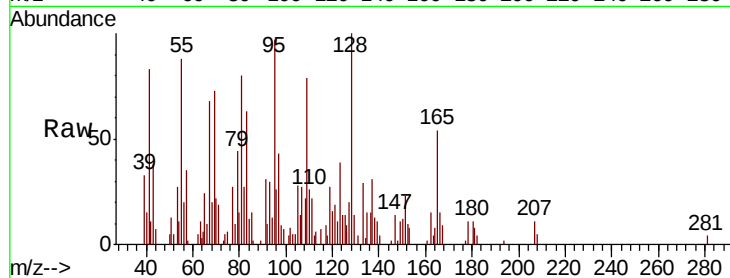
Tot Ion:128 Resp: 13378

Ion Ratio Lower Upper

128 100

127 15.6 10.7 16.1

129 7.2 8.6 12.8#



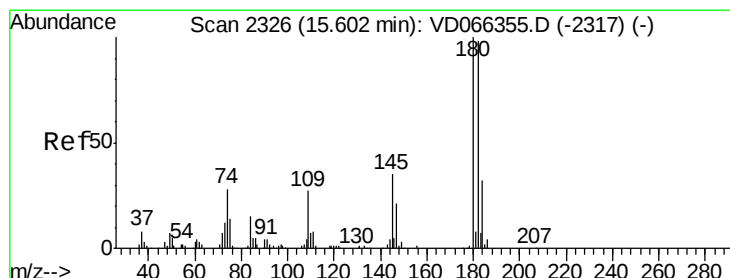
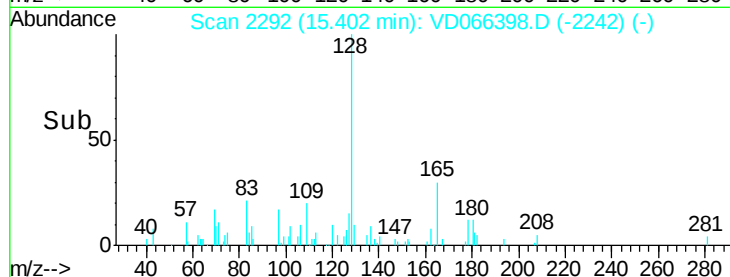
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.40

Time--> 15.30 15.35 15.40 15.45



#96

1,2,3-Trichlorobenzene

Concen: 14.866 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

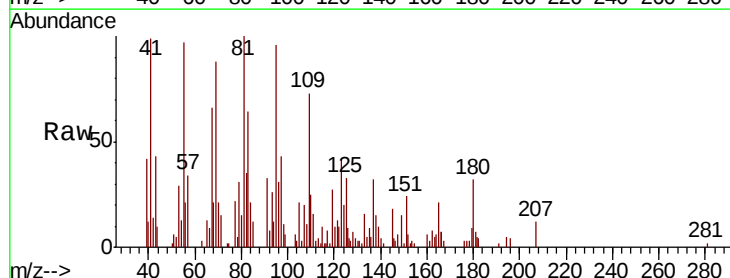
Tgt Ion:180 Resp: 1516

Ion Ratio Lower Upper

180 100

182 134.8 46.7 140.0

145 0.0 16.0 48.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.61

Time--> 15.58 15.60 15.62

