

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066360.D
 Acq On : 21 Aug 2020 15:32
 Operator : VA/SY
 Sample : VD0821SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Quant Time: Aug 22 02:22:01 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	245851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	340645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	313568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	123322	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.91	113	112249	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	10.34	98	419948	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.63	95	147794	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	47304	22.632	ug/l	89
3) Chloromethane	2.20	50	29517	19.923	ug/l	96
4) Vinyl Chloride	2.34	62	31167	19.593	ug/l	93
5) Bromomethane	2.75	94	21220	17.835	ug/l	96
6) Chloroethane	2.91	64	19261	18.910	ug/l	97
7) Trichlorofluoromethane	3.27	101	83362	19.272	ug/l	96
8) Diethyl Ether	3.71	74	18396	18.982	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41477	19.430	ug/l	97
10) Methyl Iodide	4.30	142	38100	15.649	ug/l	98
11) Tert butyl alcohol	5.20	59	7161	9.613	ug/l	99
12) 1,1-Dichloroethene	4.06	96	38374	19.151	ug/l	95
13) Acrolein	3.92	56	10313	96.353	ug/l	96
14) Allyl chloride	4.71	41	49462	18.494	ug/l	97
15) Acrylonitrile	5.41	53	38533	99.096	ug/l	94
16) Acetone	4.16	43	42368	97.501	ug/l	96
17) Carbon Disulfide	4.40	76	115084	18.951	ug/l	96
18) Methyl Acetate	4.72	43	16131	19.779	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	92509	19.173	ug/l #	92
20) Methylene Chloride	4.96	84	57311	21.009	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	42789	18.345	ug/l	96
22) Diisopropyl ether	6.36	45	95863	18.513	ug/l	94
23) Vinyl Acetate	6.30	43	308769	96.321	ug/l	99
24) 1,1-Dichloroethane	6.26	63	70122	19.162	ug/l	96
25) 2-Butanone	7.21	43	47337	95.958	ug/l	98
26) 2,2-Dichloropropane	7.20	77	76046	19.389	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	47211	18.890	ug/l	98
28) Bromochloromethane	7.54	49	23196	18.402	ug/l	99
29) Tetrahydrofuran	7.56	42	28777	102.704	ug/l	95
30) Chloroform	7.70	83	80215	18.946	ug/l	95
31) Cyclohexane	7.97	56	63789	19.060	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	85248	19.674	ug/l	97
36) 1,1-Dichloropropene	8.11	75	62556	20.126	ug/l	99
37) Ethyl Acetate	7.29	43	20496	19.388	ug/l #	94
38) Carbon Tetrachloride	8.08	117	80201	19.805	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	73544	20.087	ug/l	96
40) Benzene	8.35	78	160139	19.585	ug/l	98
41) Methacrylonitrile	7.56	41	30852	47.325	ug/l #	91
42) 1,2-Dichloroethane	8.42	62	58801	20.418	ug/l	96
43) Isopropyl Acetate	8.44	43	41980	19.785	ug/l	98
44) Trichloroethene	9.10	130	53320	20.069	ug/l	92
45) 1,2-Dichloropropane	9.38	63	37218	20.078	ug/l	97
46) Dibromomethane	9.47	93	22210	19.244	ug/l	96
47) Bromodichloromethane	9.66	83	64578	20.346	ug/l #	98
48) Methyl methacrylate	9.45	41	23575	21.546	ug/l	90
49) 1,4-Dioxane	9.45	88	5364	400.256	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	102801	100.152	ug/l	99
52) Toluene	10.40	92	113997	20.578	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	60189	19.985	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	67625	20.004	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	31246	19.998	ug/l	97
56) Ethyl methacrylate	10.66	69	35011	19.357	ug/l	96
57) 1,3-Dichloropropane	10.94	76	51590	19.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	76548	101.900	ug/l	98
59) 2-Hexanone	10.98	43	76271	105.343	ug/l	100
60) Dibromochloromethane	11.14	129	46161	19.600	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30614	19.910	ug/l	98
64) Tetrachloroethene	10.87	164	46847	19.694	ug/l	94
65) Chlorobenzene	11.67	112	124277	19.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	50781	19.918	ug/l	96
67) Ethyl Benzene	11.74	91	218642	19.910	ug/l	93
68) m/p-Xylenes	11.85	106	168535	40.266	ug/l	95
69) o-Xylene	12.18	106	79699	20.468	ug/l	96
70) Styrene	12.19	104	136956	20.484	ug/l	99
71) Bromoform	12.36	173	29676	20.517	ug/l #	99
73) Isopropylbenzene	12.48	105	222515	19.637	ug/l	100
74) N-amyl acetate	12.29	43	39669	19.383	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	31914	19.716	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	46594	39.156	ug/l #	1
77) Bromobenzene	12.76	156	55931	19.448	ug/l	97
78) n-propylbenzene	12.82	91	257807	19.843	ug/l	99
79) 2-Chlorotoluene	12.91	91	142862	19.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	191401	19.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10587	18.885	ug/l	89
82) 4-Chlorotoluene	13.01	91	149549	19.022	ug/l	96
83) tert-Butylbenzene	13.23	119	162642	19.139	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	190388	19.813	ug/l	98
85) sec-Butylbenzene	13.40	105	220588	19.812	ug/l	99
86) p-Isopropyltoluene	13.52	119	213712	19.907	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	106247	19.791	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	106018	19.668	ug/l	99
89) n-Butylbenzene	13.84	91	183132	19.331	ug/l	99
90) Hexachloroethane	14.11	117	40745	19.213	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	93692	20.273	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6209	18.289	ug/l	97

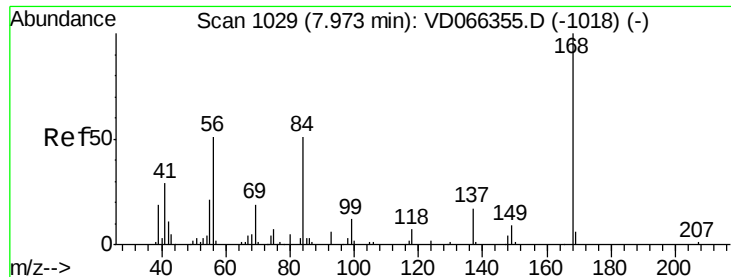
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
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Operator : VA/SY
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70244	19.469	ug/l	98
94) Hexachlorobutadiene	15.27	225	43595	19.443	ug/l	96
95) Naphthalene	15.41	128	108190	19.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	60143	19.459	ug/l	99

(#) = 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: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

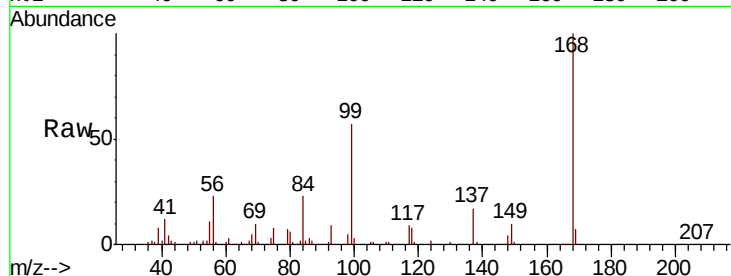
VD0821SBS01

Tot Ion:168 Resp: 245851

Ion Ratio Lower Upper

168 100

99 56.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

60000

40000

20000

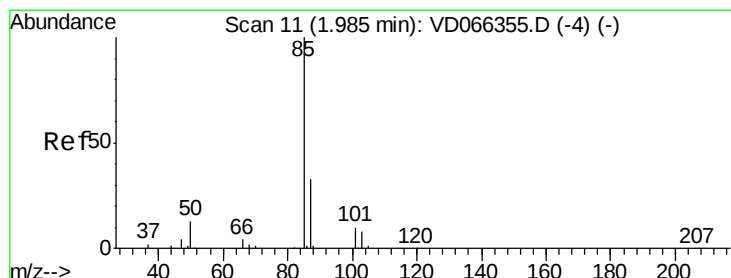
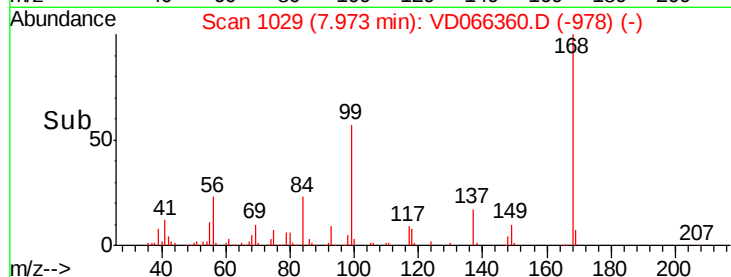
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.632 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066360.D

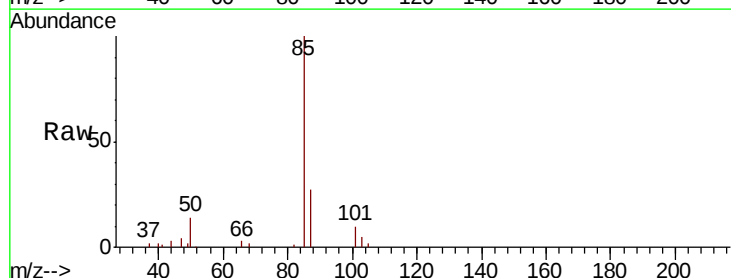
Acq: 21 Aug 2020 15:32

Tgt Ion: 85 Resp: 47304

Ion Ratio Lower Upper

85 100

87 26.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

20000

10000

0

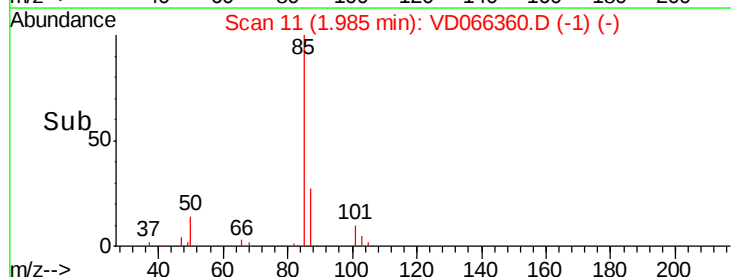
1.90

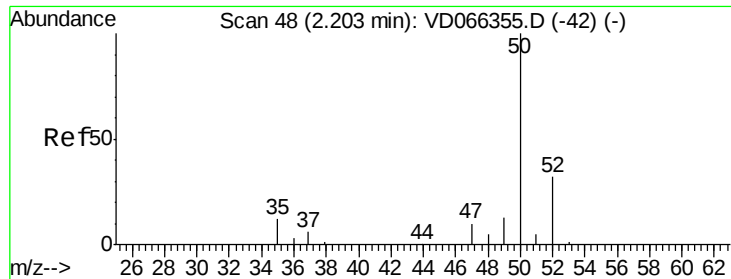
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 19.923 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

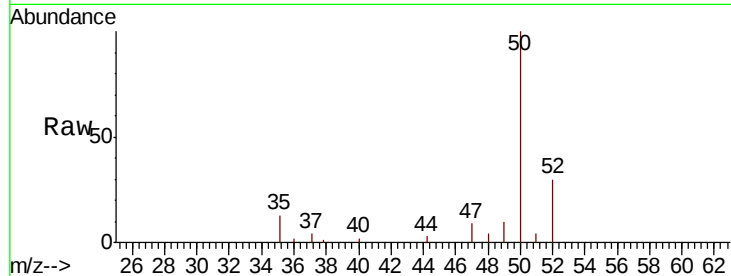
VD0821SBS01

Tot Ion: 50 Resp: 29517

Ion Ratio Lower Upper

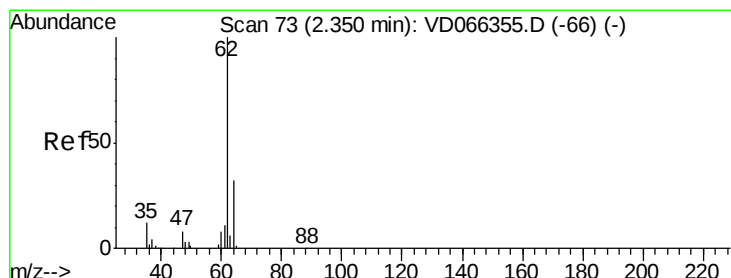
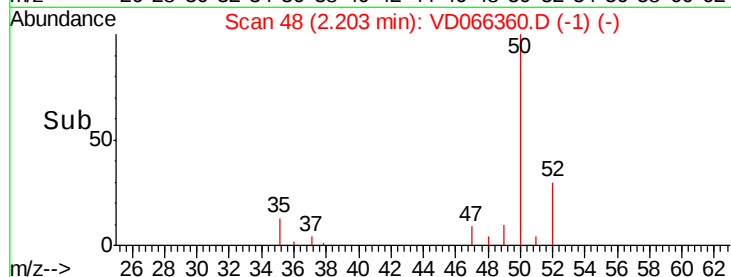
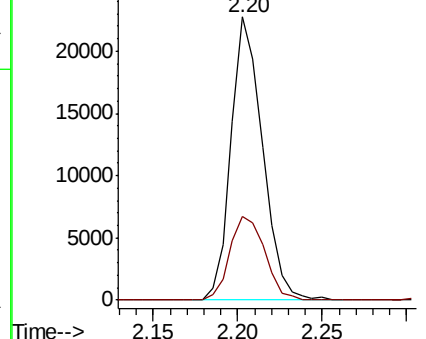
50 100

52 29.6 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: 19.593 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066360.D

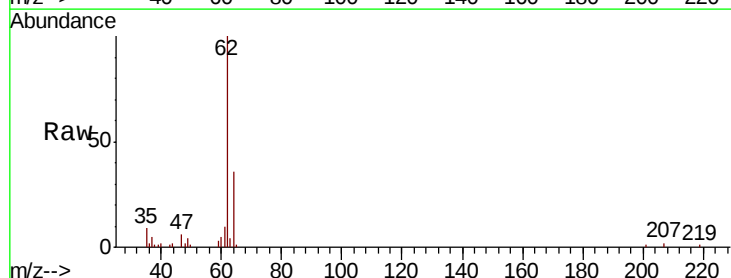
Acq: 21 Aug 2020 15:32

Tgt Ion: 62 Resp: 31167

Ion Ratio Lower Upper

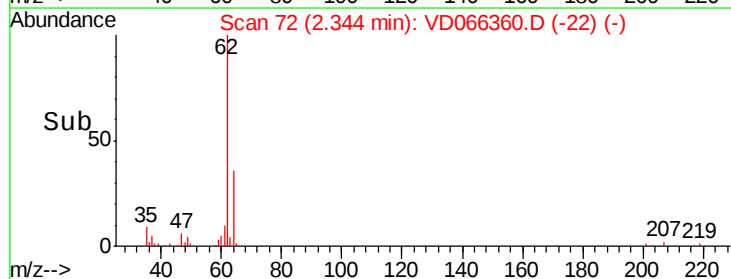
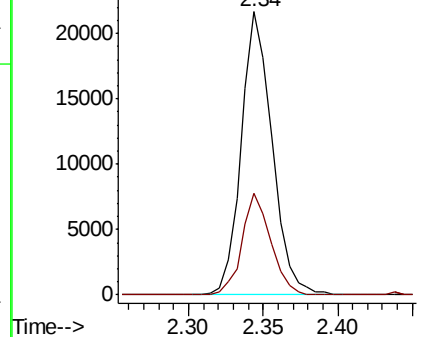
62 100

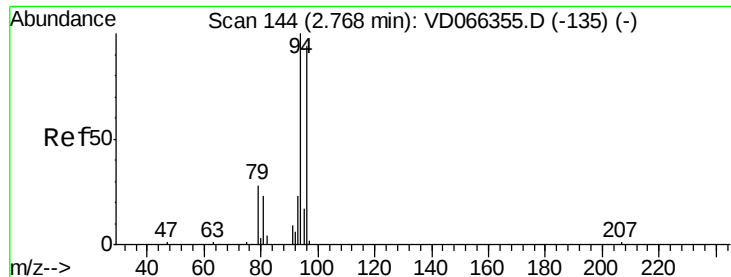
64 35.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.835 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

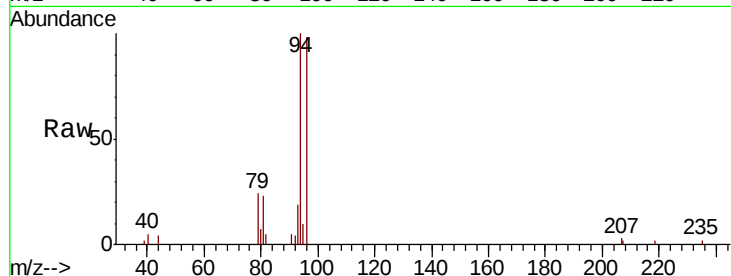
VD0821SBS01

Tot Ion: 94 Resp: 21220

Ion Ratio Lower Upper

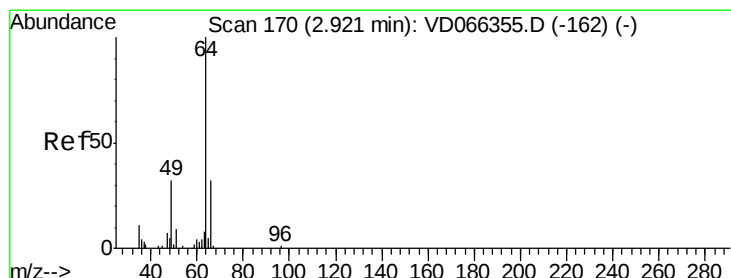
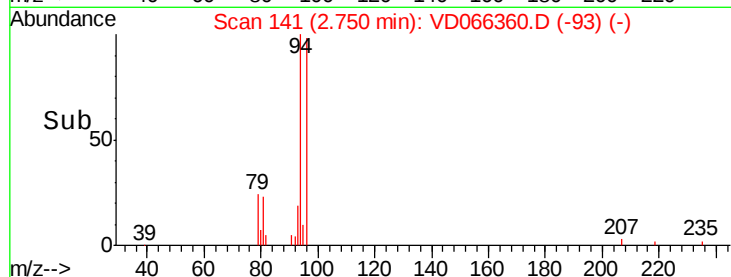
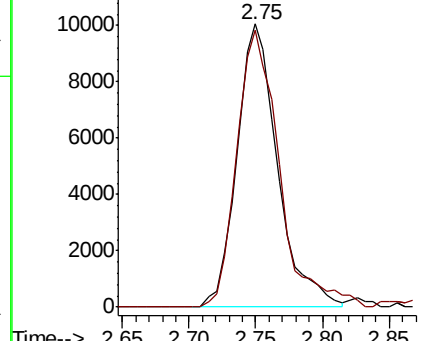
94 100

96 97.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.910 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066360.D

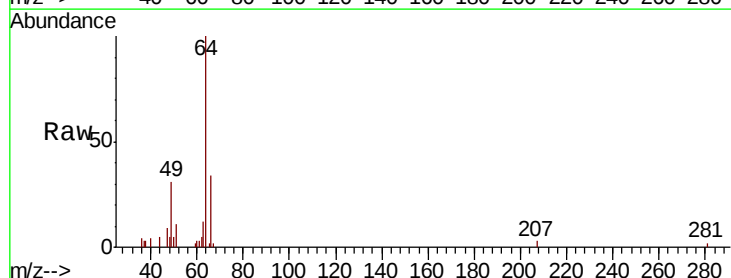
Acq: 21 Aug 2020 15:32

Tgt Ion: 64 Resp: 19261

Ion Ratio Lower Upper

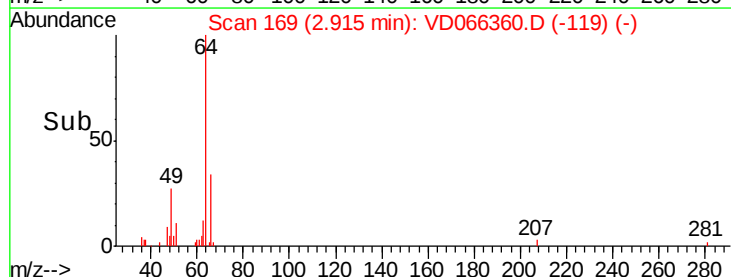
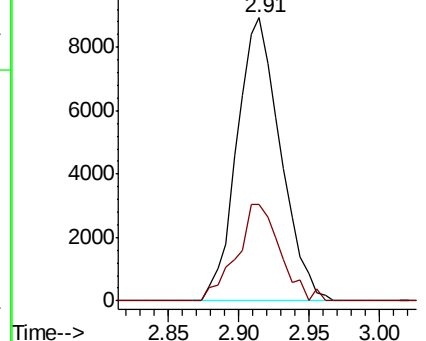
64 100

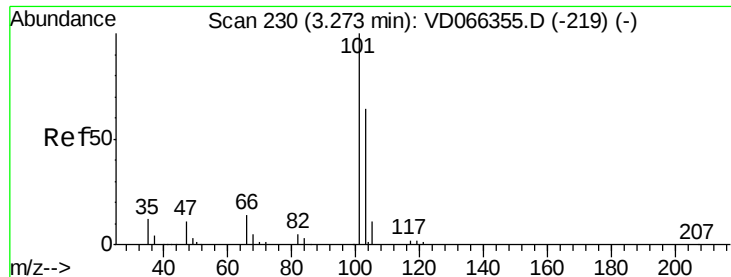
66 34.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



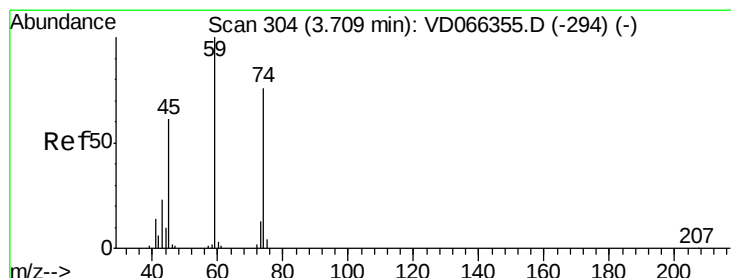
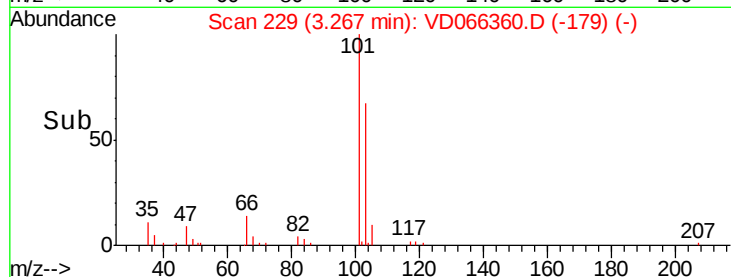
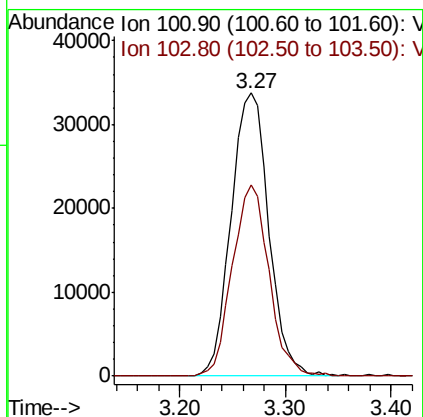
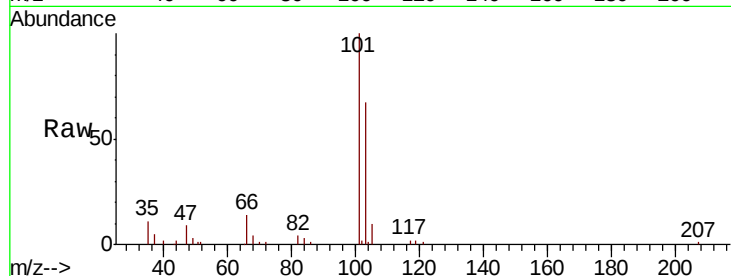


#7

Trichlorofluoromethane
Concen: 19.272 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

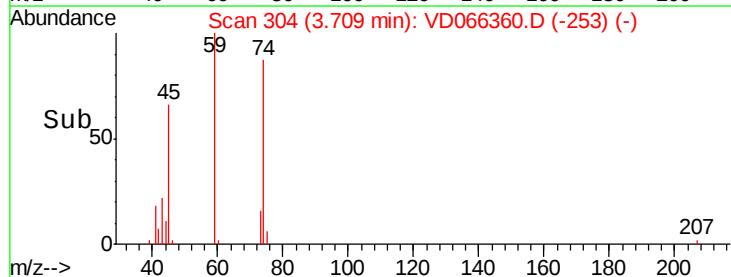
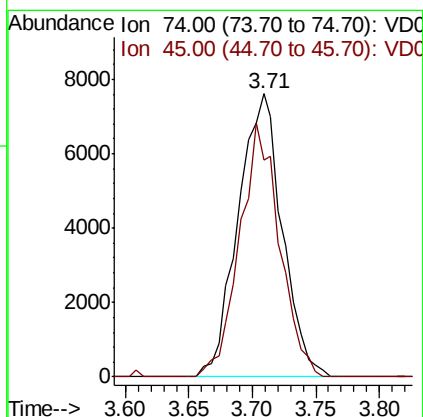
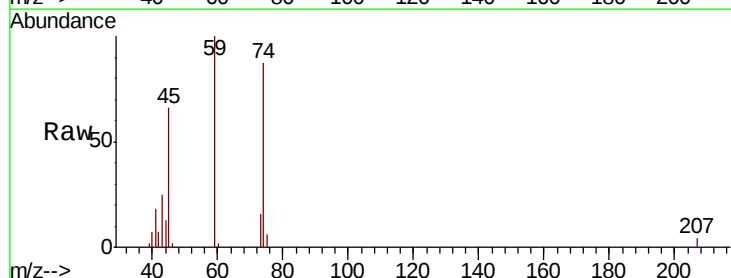
Tot Ion:101 Resp: 83362
Ion Ratio Lower Upper
101 100
103 67.4 51.4 77.0

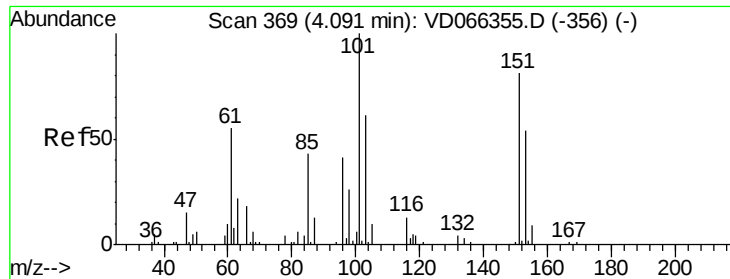


#8

Diethyl Ether
Concen: 18.982 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 74 Resp: 18396
Ion Ratio Lower Upper
74 100
45 81.2 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.430 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

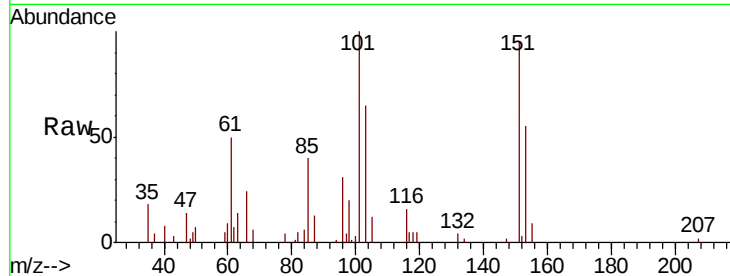
Tot Ion:101 Resp: 41477

Ion Ratio Lower Upper

101 100

85 42.9 36.4 54.6

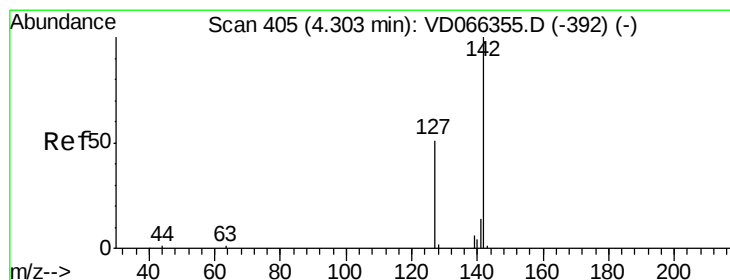
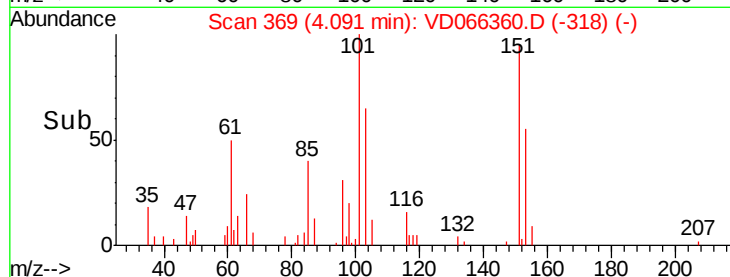
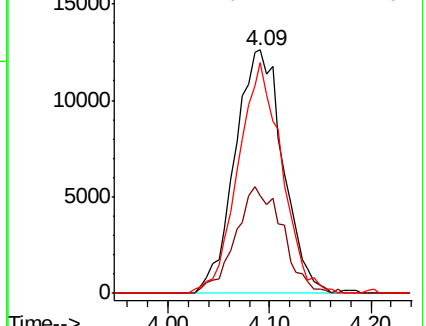
151 86.1 70.5 105.7



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: 15.649 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

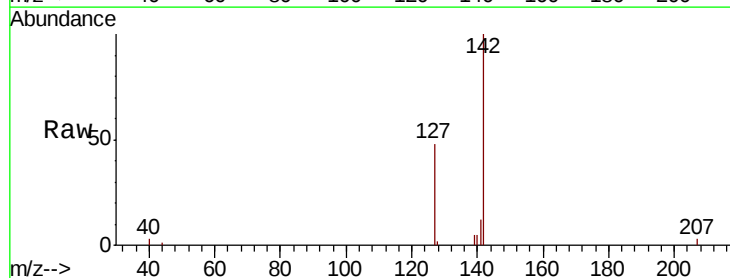
Tgt Ion:142 Resp: 38100

Ion Ratio Lower Upper

142 100

127 51.4 41.8 62.8

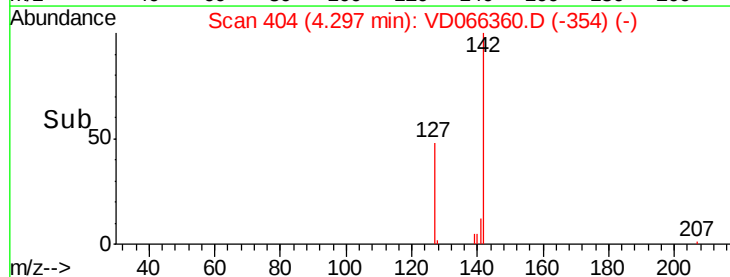
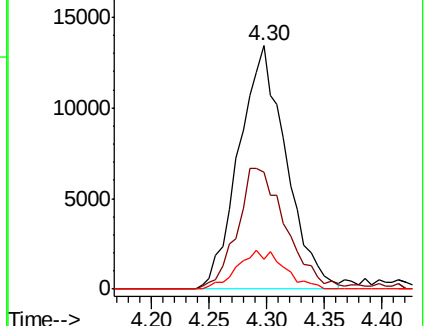
141 15.8 11.8 17.6

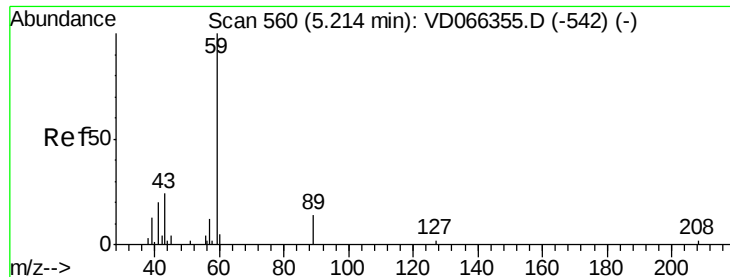


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



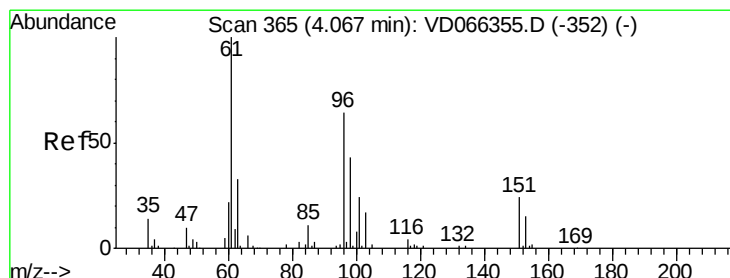
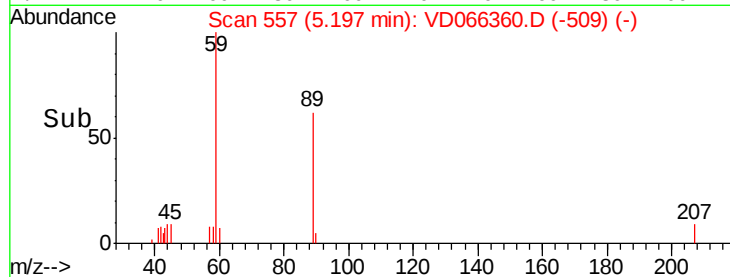
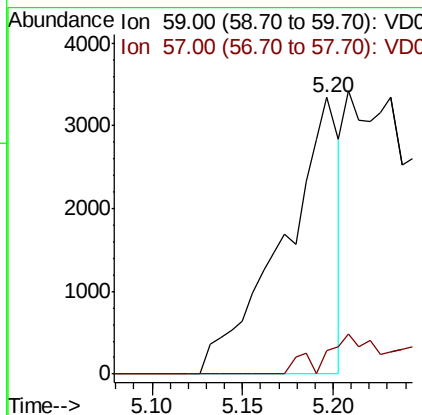
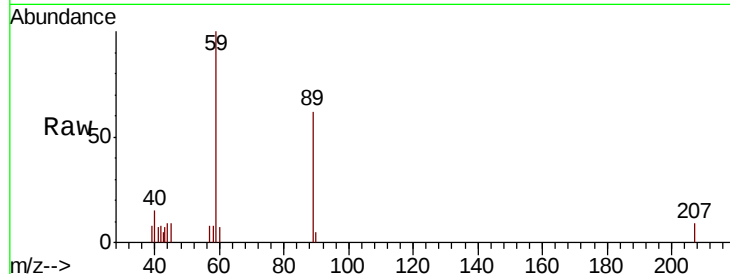


#11

Tert butyl alcohol
 Concen: 9.613 ug/l
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

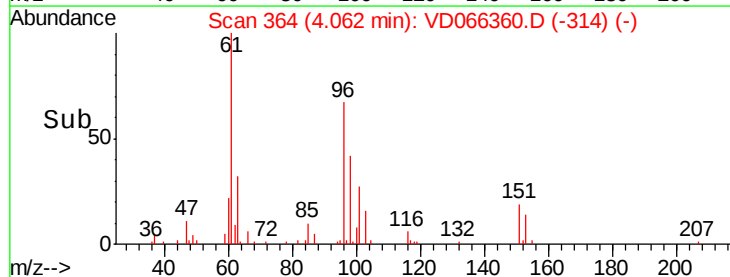
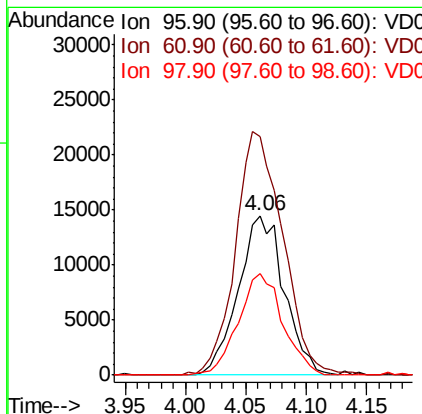
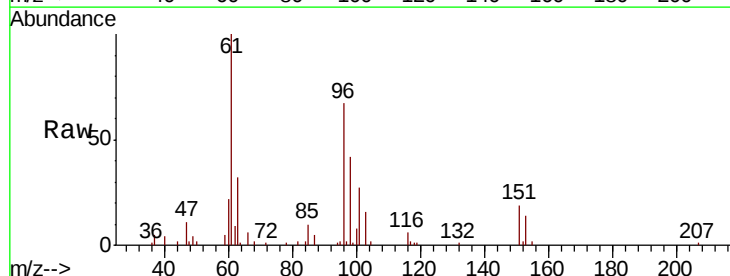
Tot Ion: 59 Resp: 7161
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.0 13.4

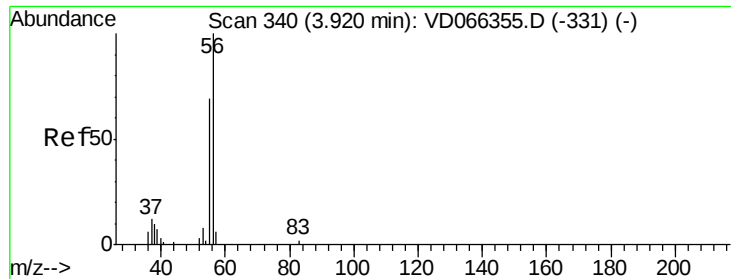


#12

1,1-Dichloroethene
 Concen: 19.151 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion: 96 Resp: 38374
 Ion Ratio Lower Upper
 96 100
 61 147.7 124.3 186.5
 98 63.2 53.2 79.8





#13

Acrolein

Concen: 96.353 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

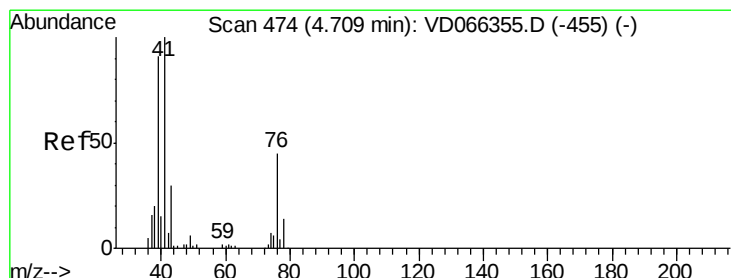
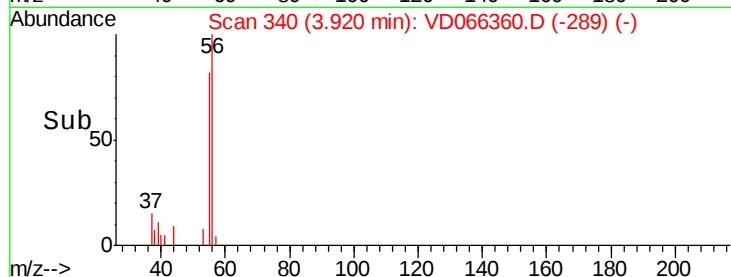
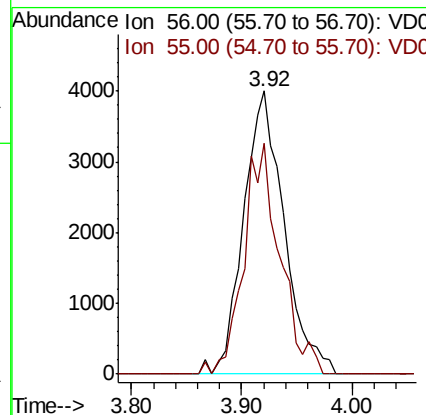
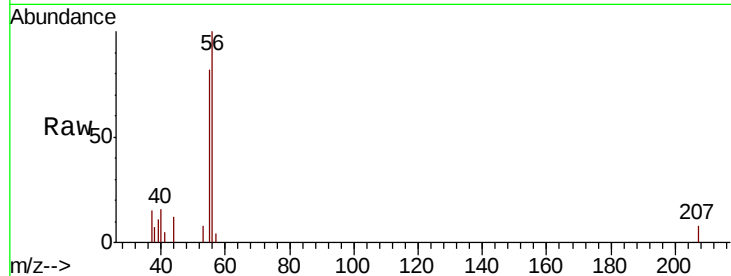
VD0821SBS01

Tot Ion: 56 Resp: 10313

Ion Ratio Lower Upper

56 100

55 73.0 55.5 83.3



#14

Allyl chloride

Concen: 18.494 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

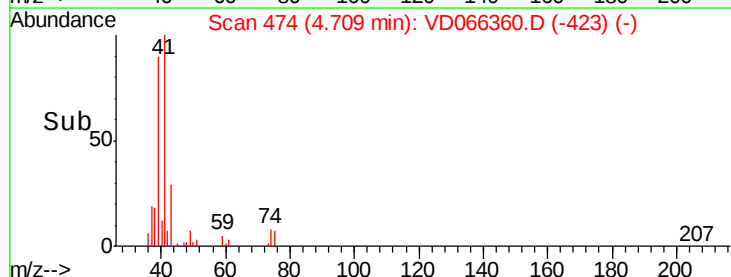
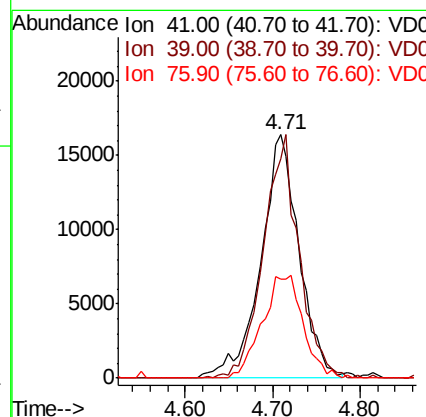
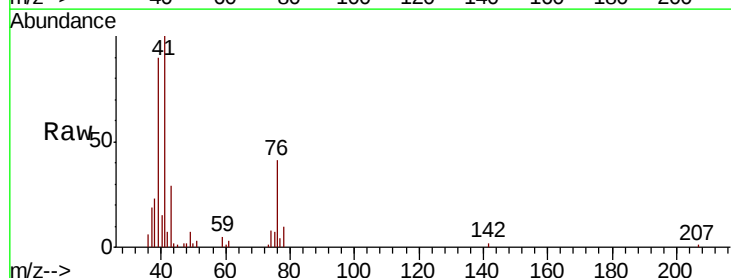
Tgt Ion: 41 Resp: 49462

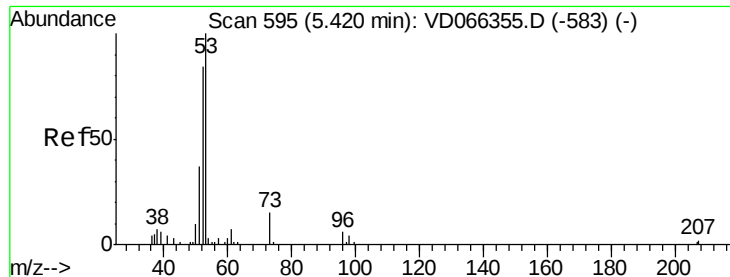
Ion Ratio Lower Upper

41 100

39 93.1 72.8 109.2

76 45.0 34.0 51.0





#15

Acrylonitrile

Concen: 99.096 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

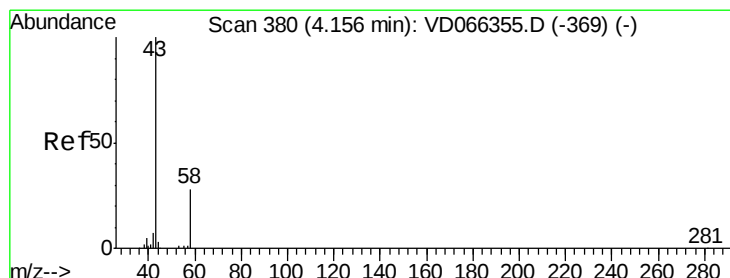
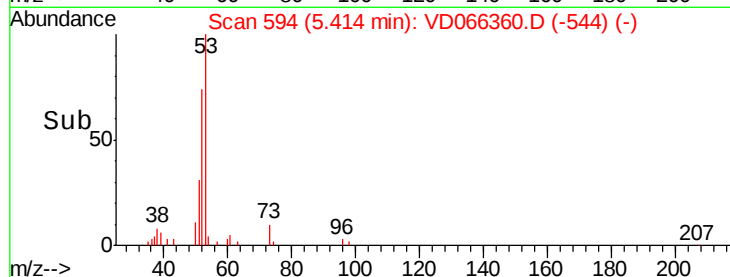
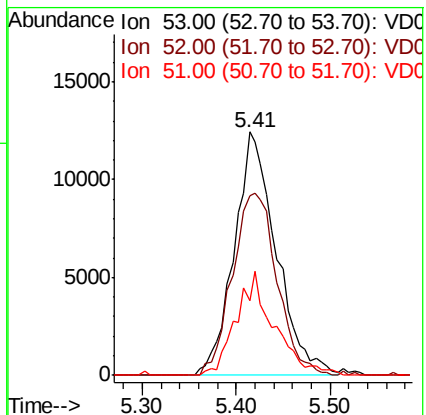
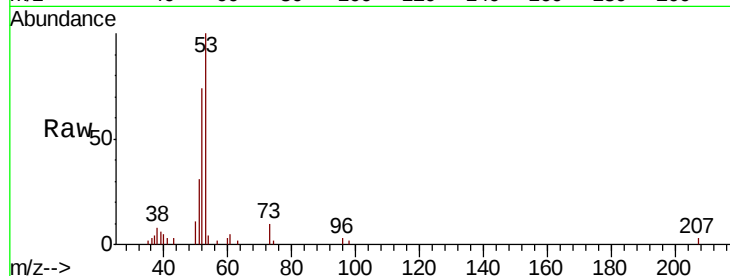
Tot Ion: 53 Resp: 38533

Ion Ratio Lower Upper

53 100

52 79.5 68.1 102.1

51 38.6 33.8 50.6



#16

Acetone

Concen: 97.501 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066360.D

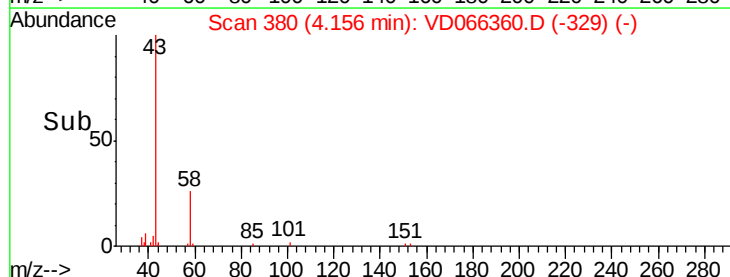
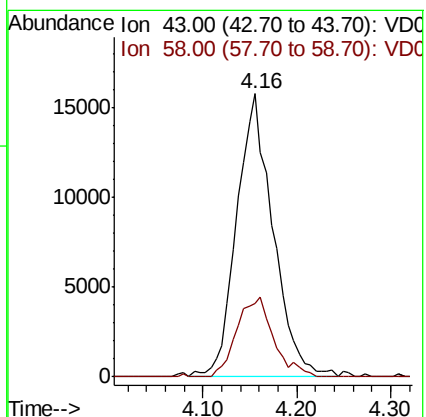
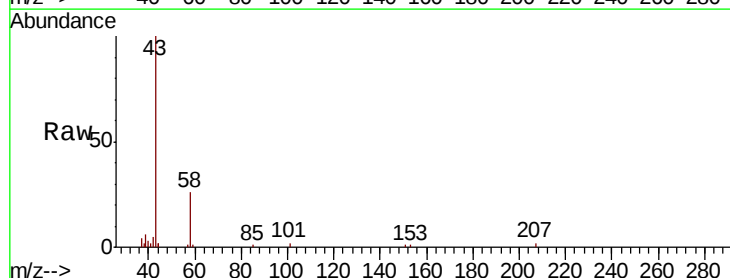
Acq: 21 Aug 2020 15:32

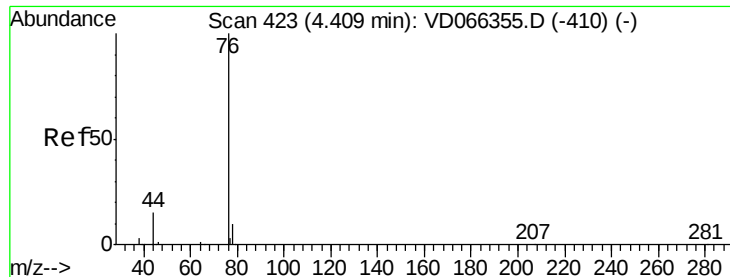
Tgt Ion: 43 Resp: 42368

Ion Ratio Lower Upper

43 100

58 26.1 22.7 34.1





#17

Carbon Disulfide

Concen: 18.951 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

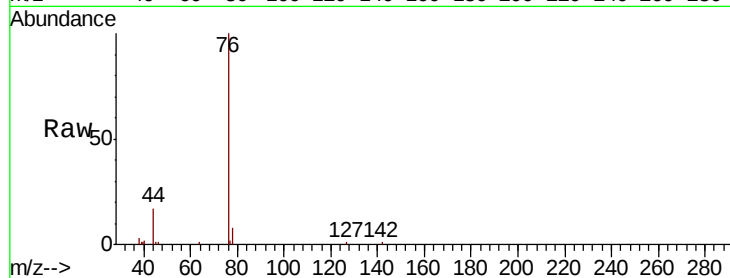
VD0821SBS01

Tot Ion: 76 Resp: 115084

Ion Ratio Lower Upper

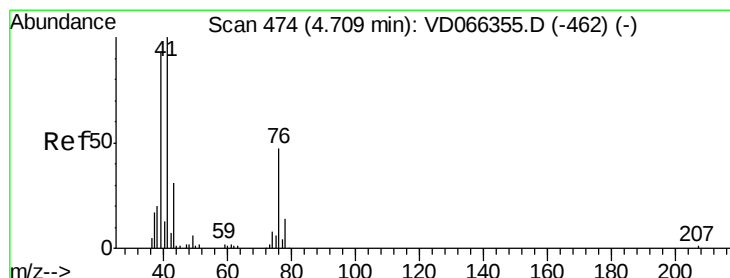
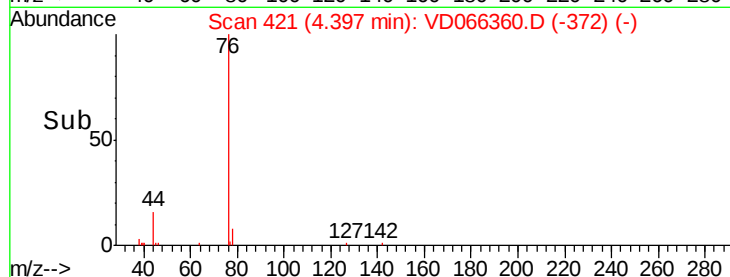
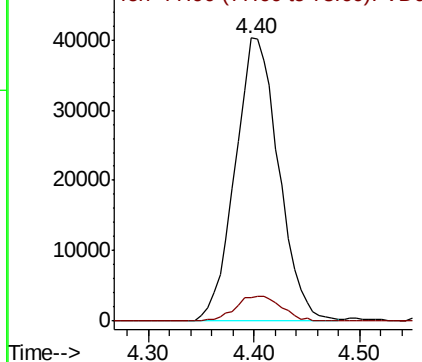
76 100

78 8.1 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.779 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066360.D

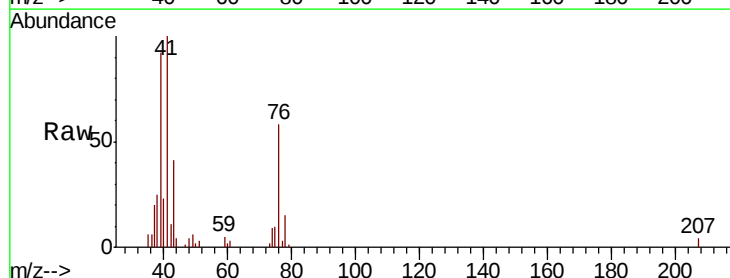
Acq: 21 Aug 2020 15:32

Tgt Ion: 43 Resp: 16131

Ion Ratio Lower Upper

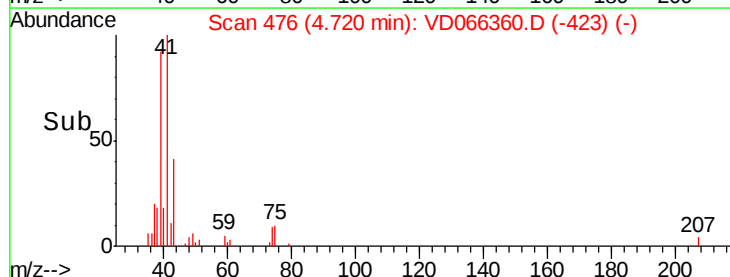
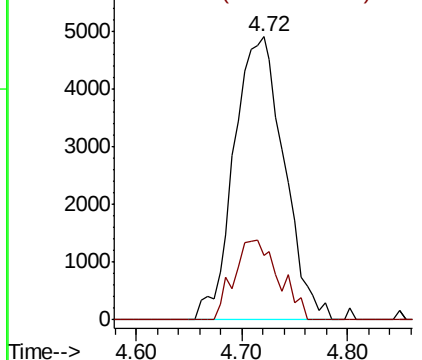
43 100

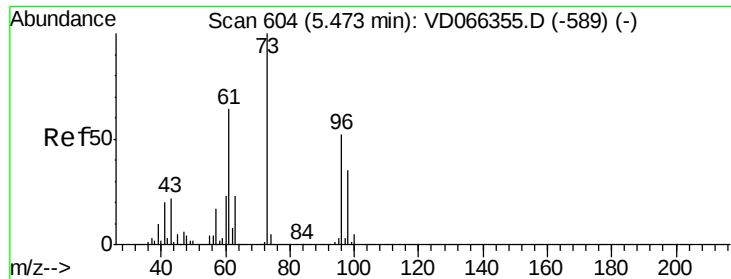
74 25.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

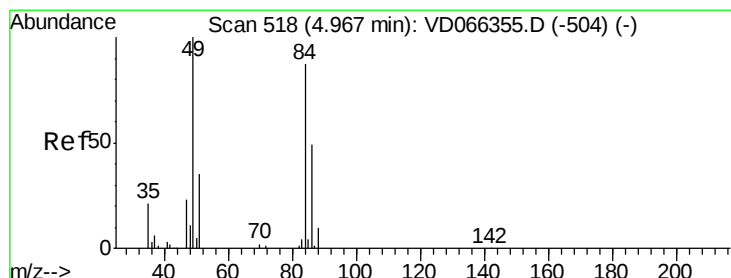
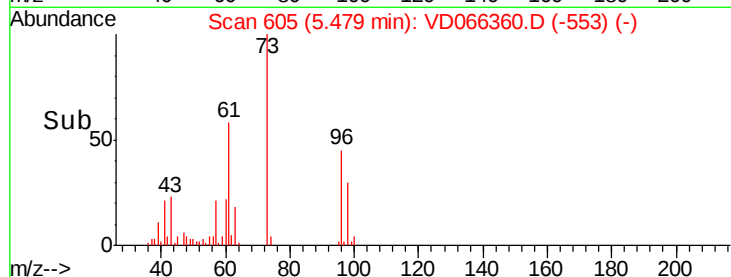
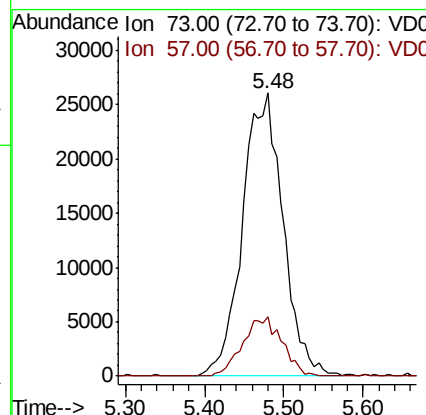
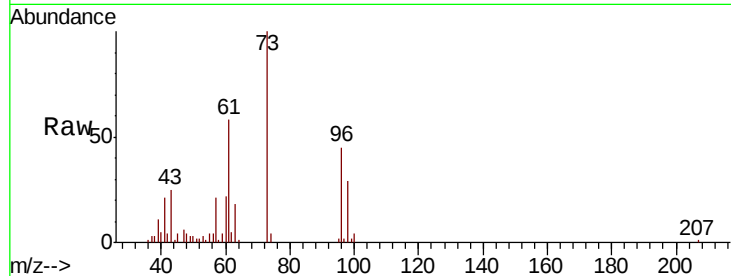




#19
Methyl tert-butyl Ether
Concen: 19.173 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

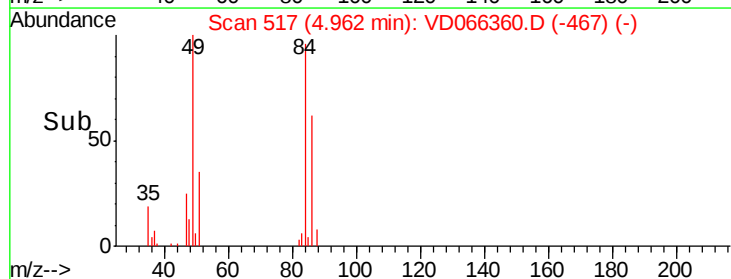
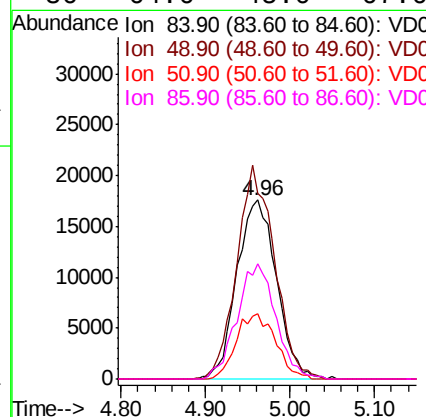
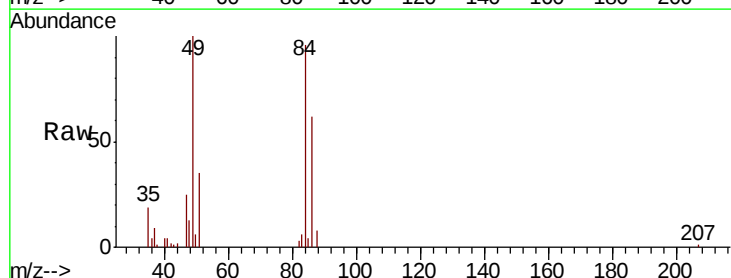
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

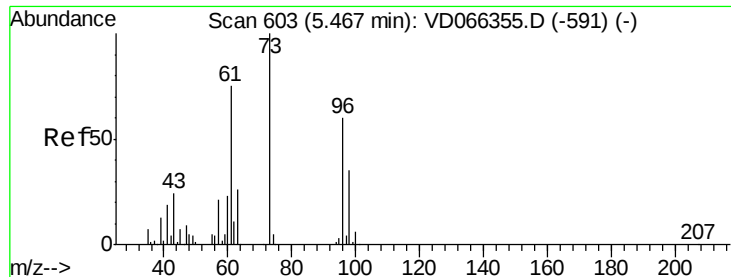
Tot Ion: 73 Resp: 92509
Ion Ratio Lower Upper
73 100
57 20.8 13.8 20.6#



#20
Methylene Chloride
Concen: 21.009 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 84 Resp: 57311
Ion Ratio Lower Upper
84 100
49 104.0 92.5 138.7
51 36.7 32.5 48.7
86 64.6 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 18.345 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

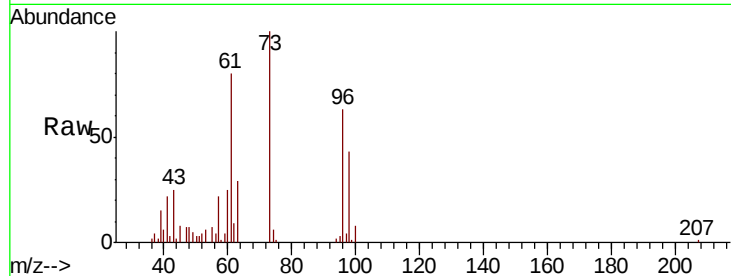
Tot Ion: 96 Resp: 42789

Ion Ratio Lower Upper

96 100

61 126.2 101.1 151.7

98 68.9 47.0 70.6

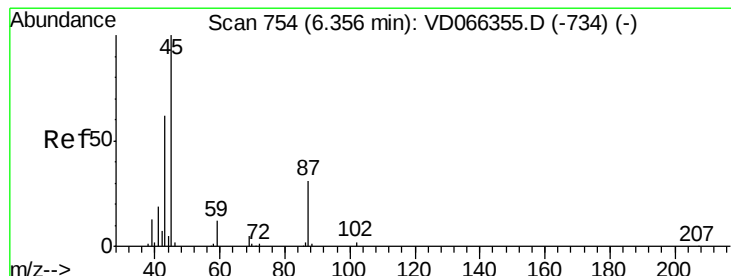
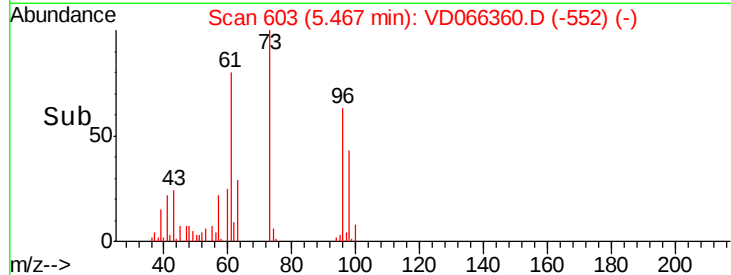
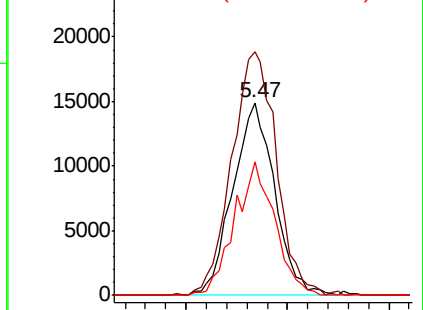


Abundance

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



#22

Diisopropyl ether

Concen: 18.513 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion: 45 Resp: 95863

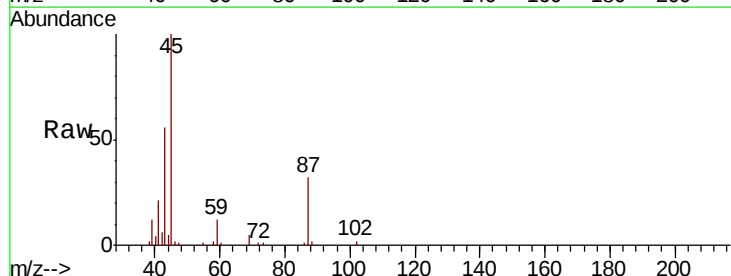
Ion Ratio Lower Upper

45 100

43 55.3 49.8 74.8

87 32.4 25.0 37.6

59 12.6 9.6 14.4



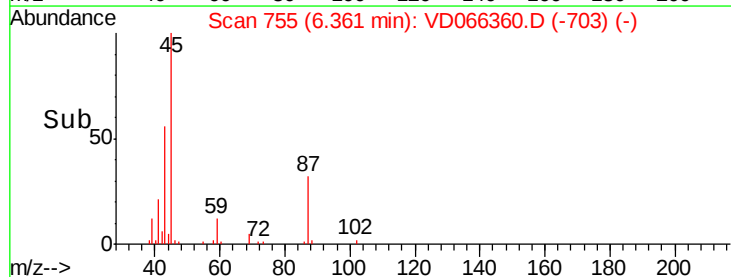
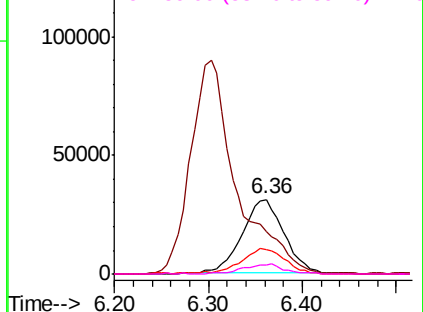
Abundance

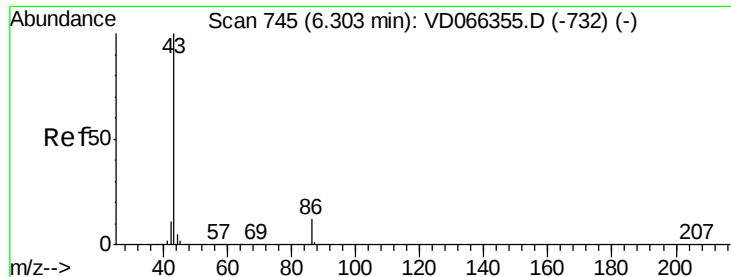
Ion 45.00 (44.70 to 45.70): VDC

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

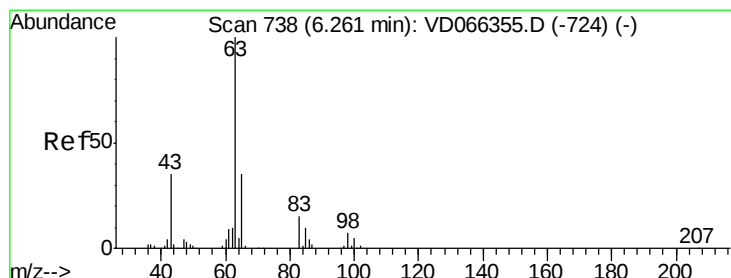
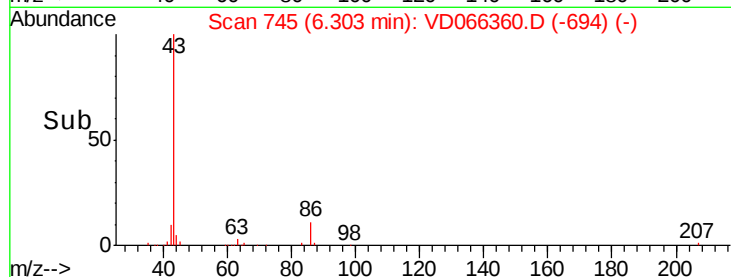
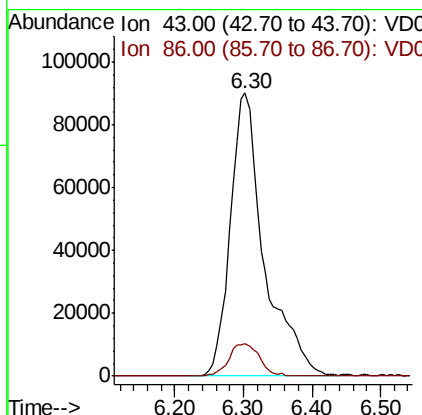
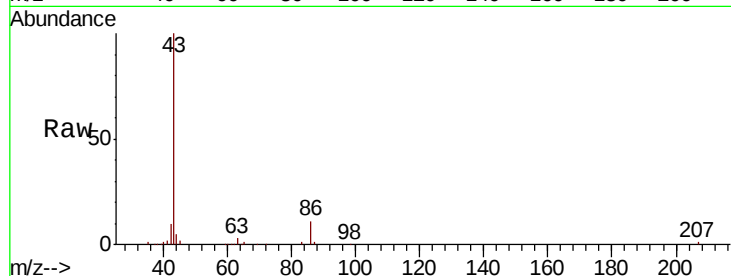




#23
 Vinyl Acetate
 Concen: 96.321 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

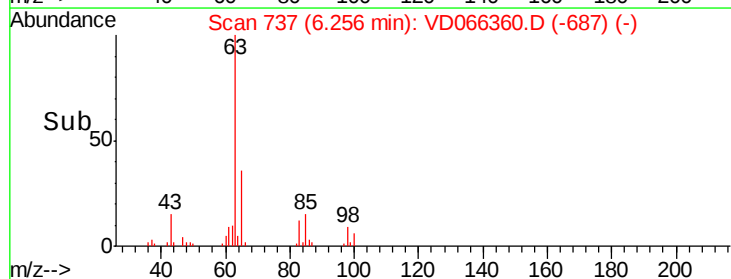
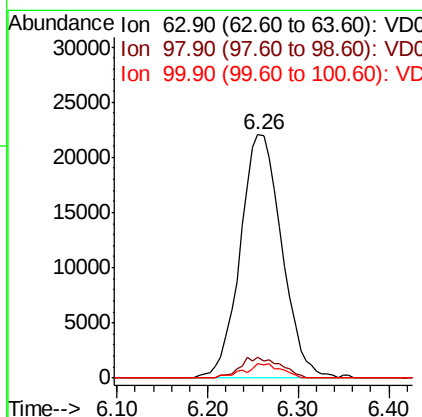
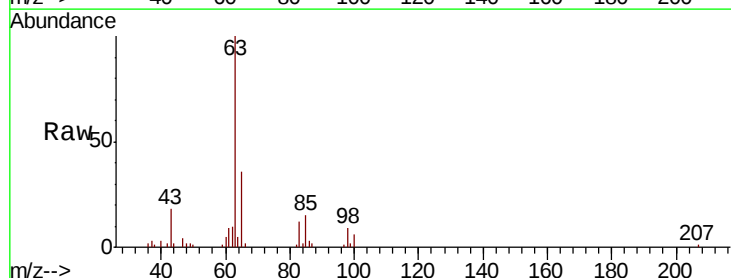
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0821SBS01

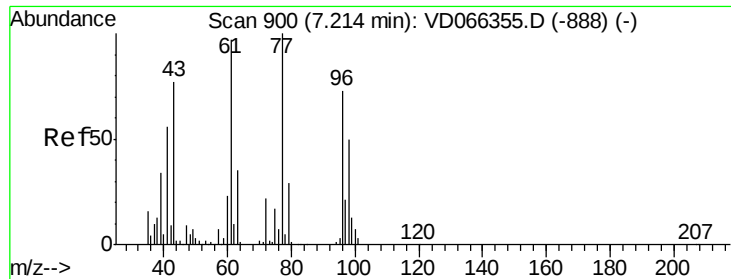
Tot Ion: 43 Resp: 308769
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 19.162 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion: 63 Resp: 70122
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.5 10.6
 100 5.9 2.5 7.6





#25

2-Butanone

Concen: 95.958 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

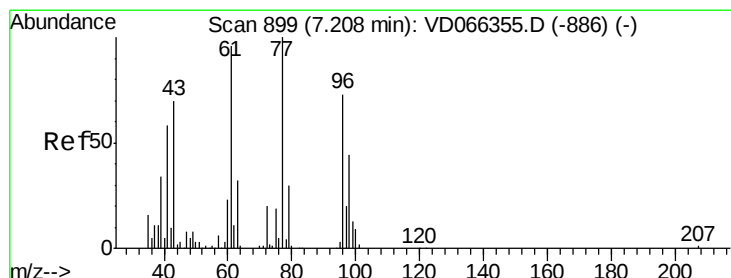
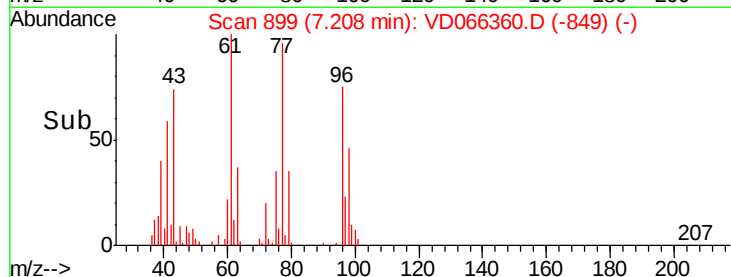
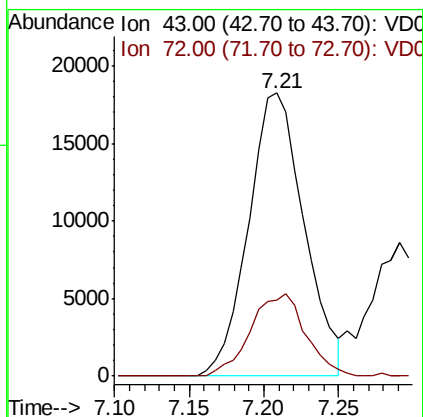
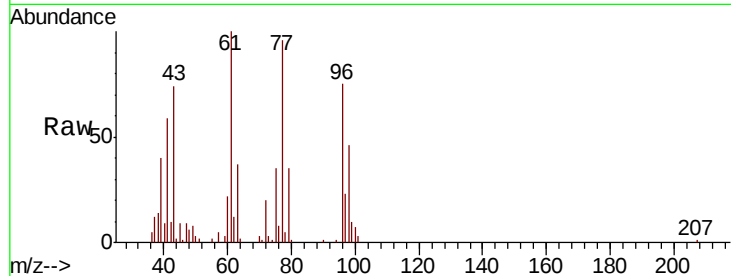
VD0821SBS01

Tot Ion: 43 Resp: 47337

Ion Ratio Lower Upper

43 100

72 26.9 22.5 33.7



#26

2,2-Dichloropropane

Concen: 19.389 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066360.D

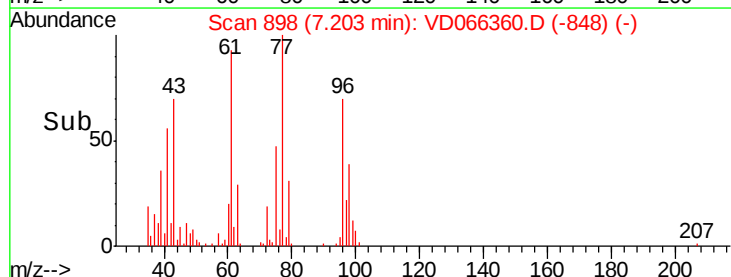
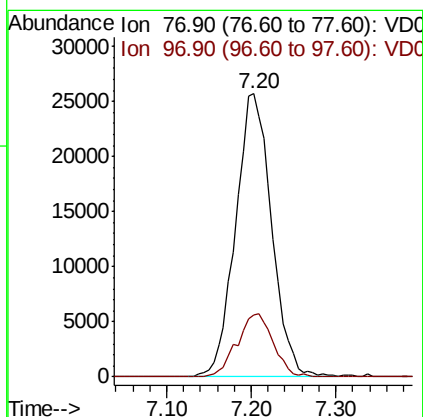
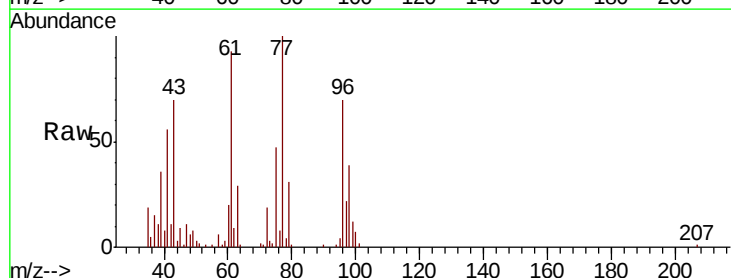
Acq: 21 Aug 2020 15:32

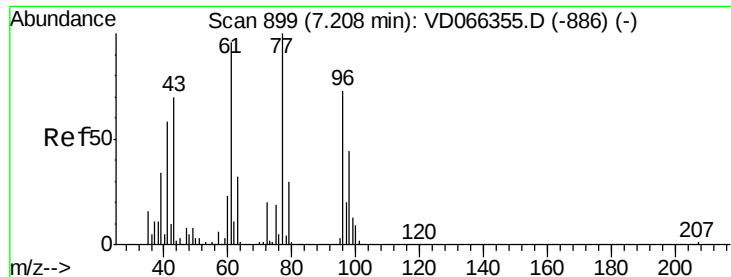
Tgt Ion: 77 Resp: 76046

Ion Ratio Lower Upper

77 100

97 22.4 10.7 31.9



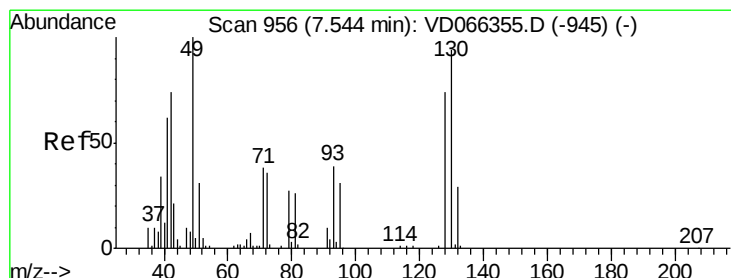
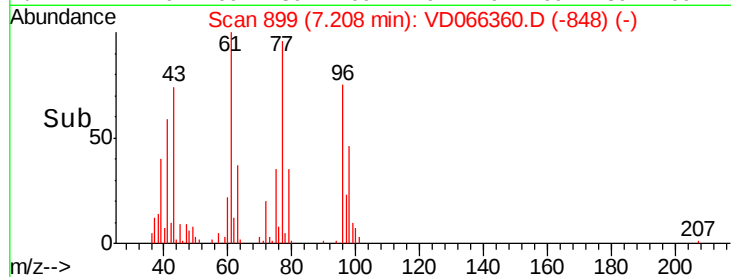
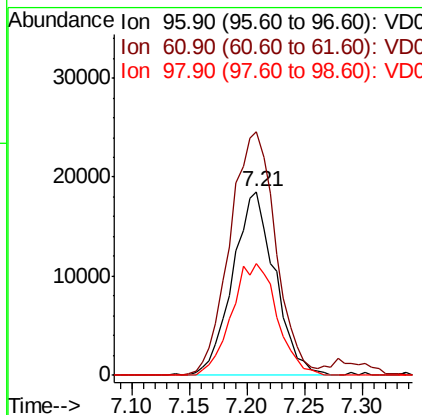
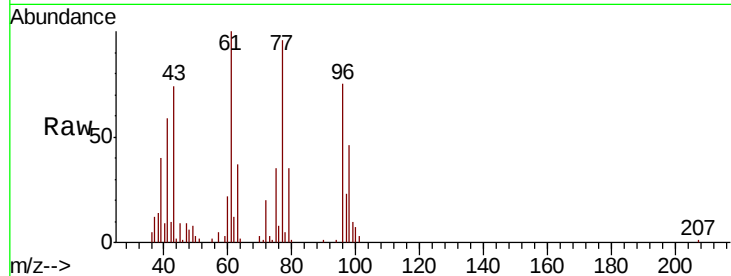


#27

cis-1,2-Dichloroethene
 Concen: 18.890 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

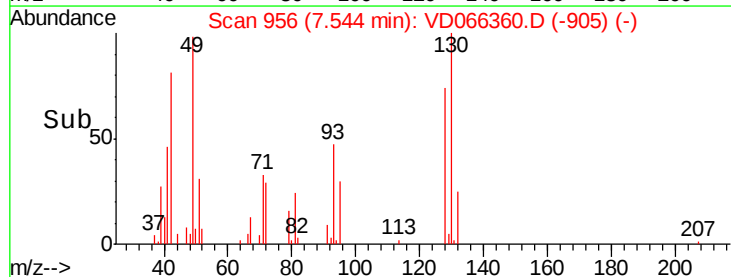
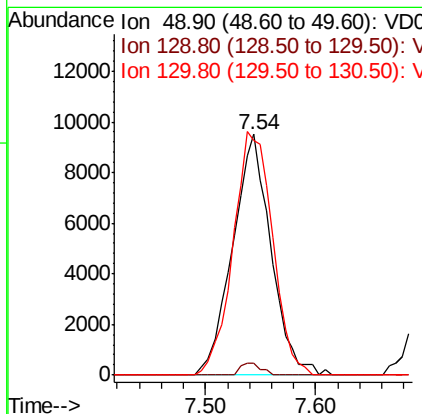
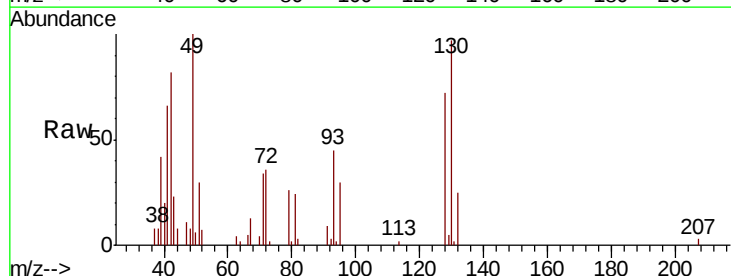
Tot Ion: 96 Resp: 47211
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 281.4
 98 65.5 0.0 132.2

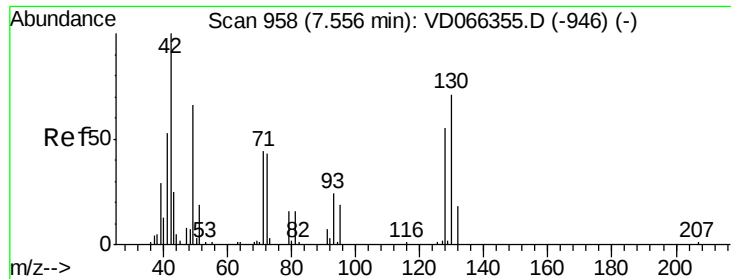


#28

Bromochloromethane
 Concen: 18.402 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion: 49 Resp: 23196
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 3.0
 130 104.0 82.6 124.0

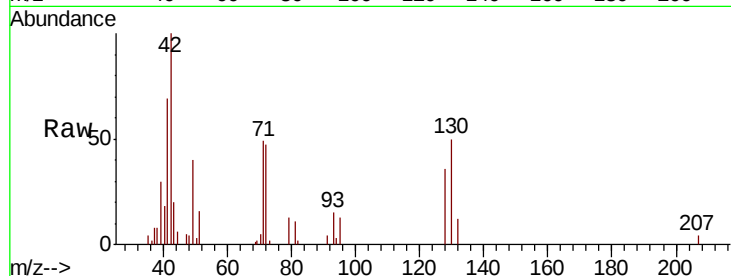




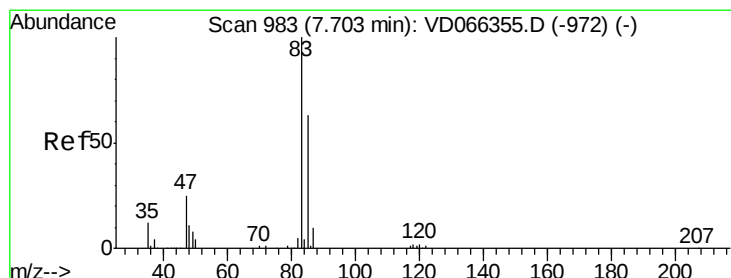
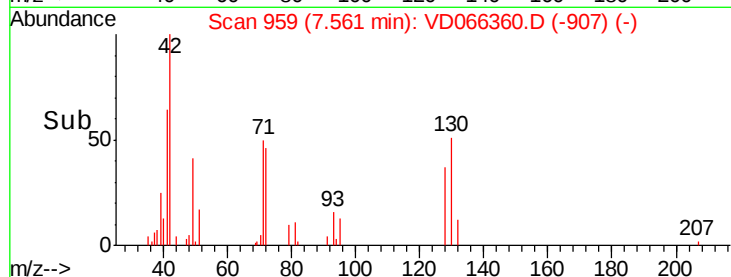
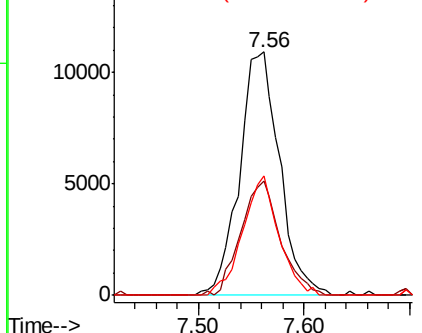
#29
Tetrahydrofuran
Concen: 102.704 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 42 Resp: 28777
Ion Ratio Lower Upper
42 100
72 46.5 41.0 61.4
71 44.4 37.2 55.8

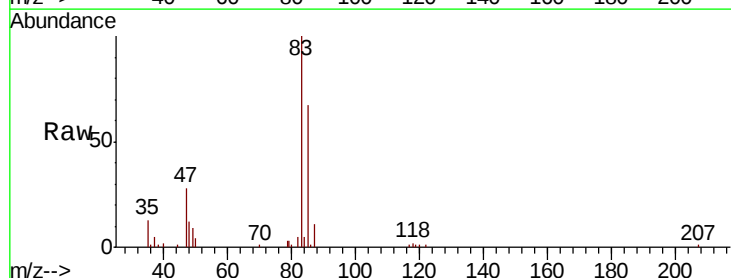


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

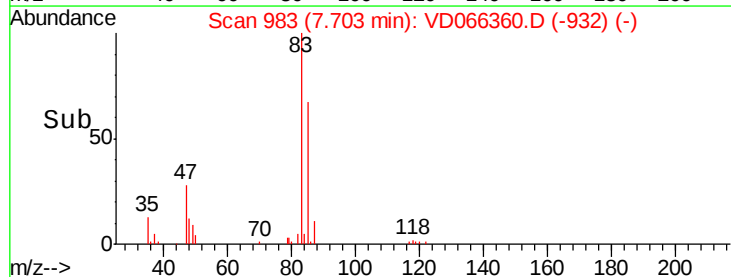
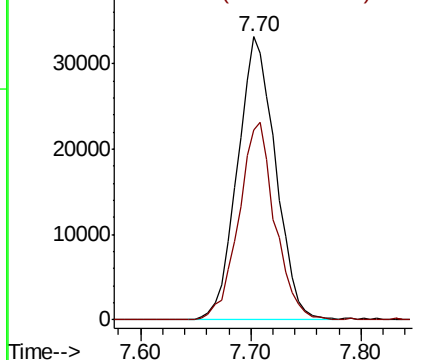


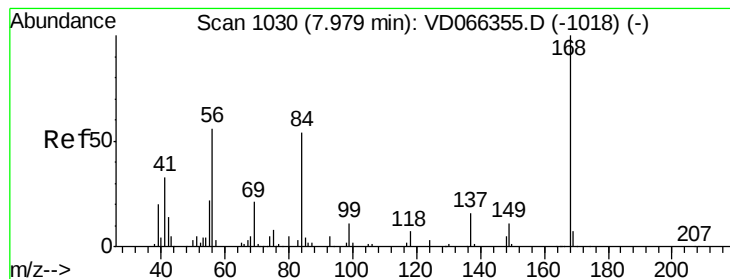
#30
Chloroform
Concen: 18.946 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 83 Resp: 80215
Ion Ratio Lower Upper
83 100
85 67.0 50.3 75.5



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





#31

Cyclohexane

Concen: 19.060 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

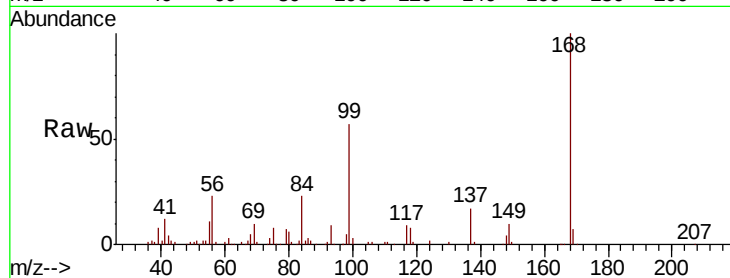
Tot Ion: 56 Resp: 63789

Ion Ratio Lower Upper

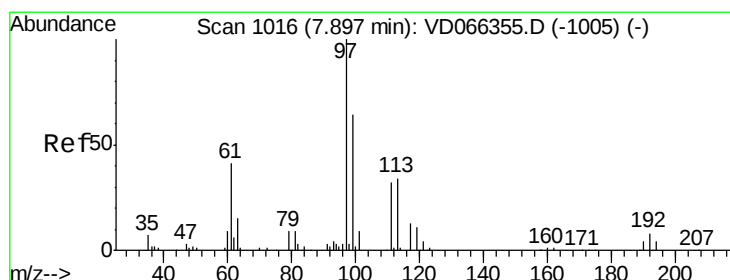
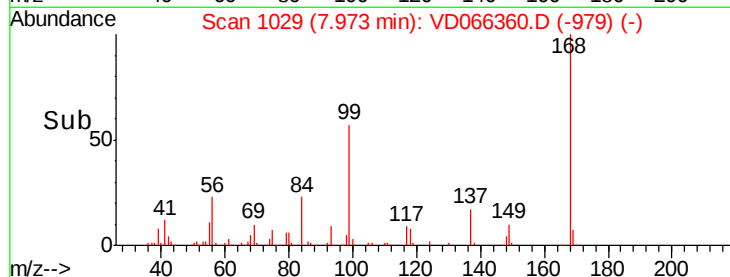
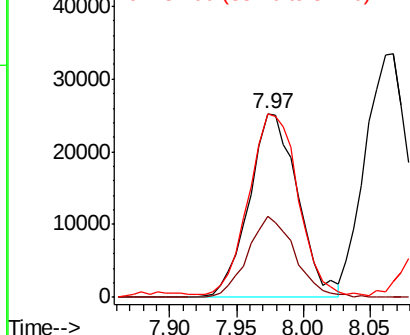
56 100

69 44.3 29.6 44.4

84 97.8 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: 19.674 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

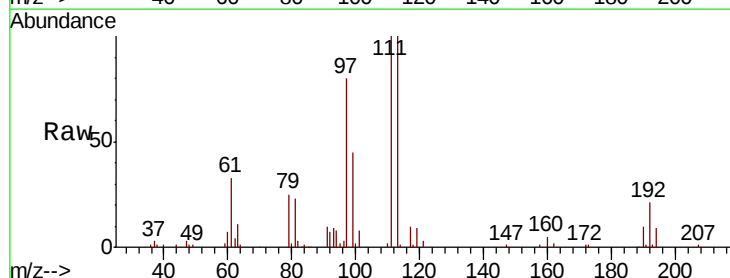
Tgt Ion: 97 Resp: 85248

Ion Ratio Lower Upper

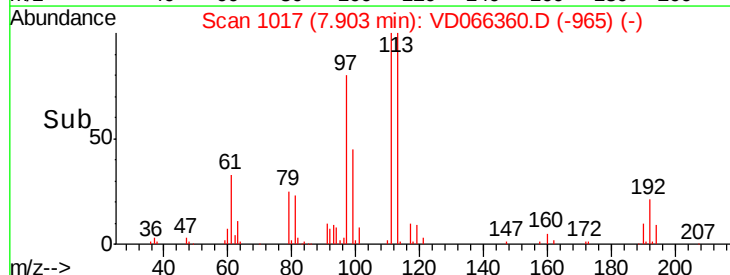
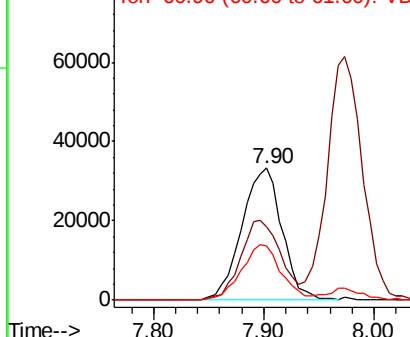
97 100

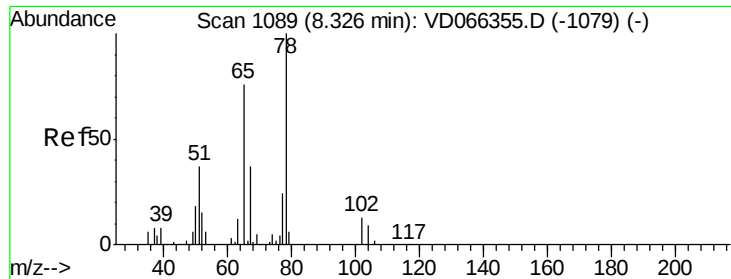
99 60.2 51.5 77.3

61 41.6 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

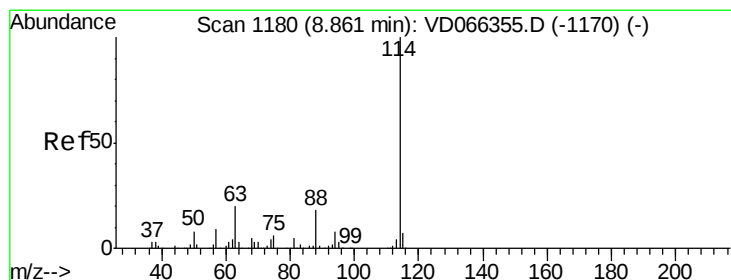
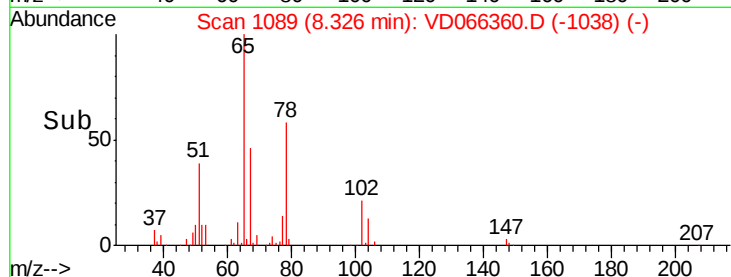
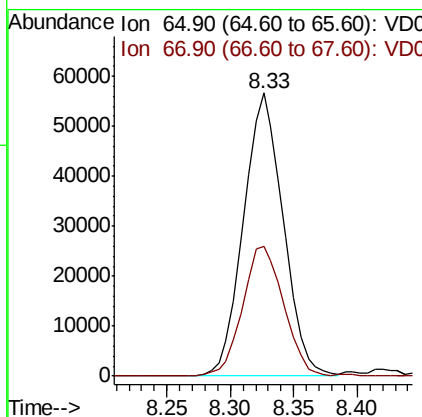
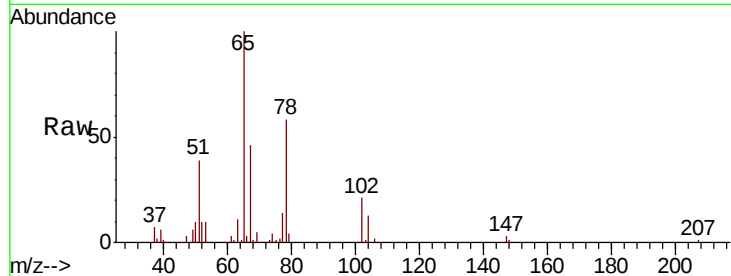




#33
 1,2-Dichloroethane-d4
 Concen: 51.164 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

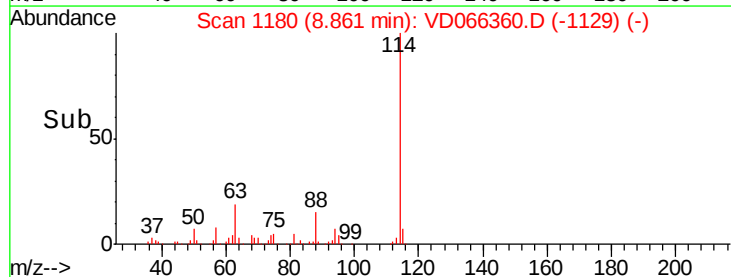
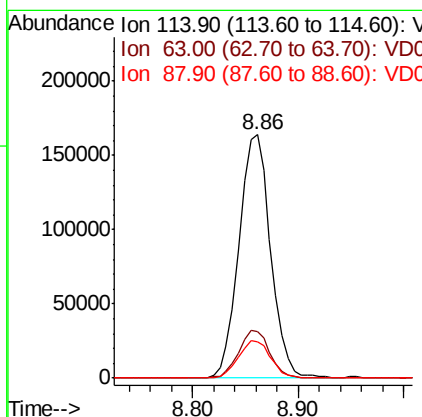
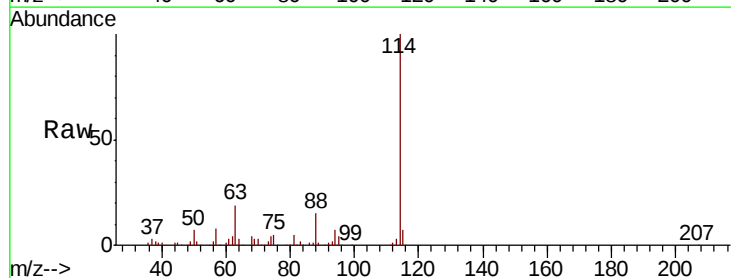
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

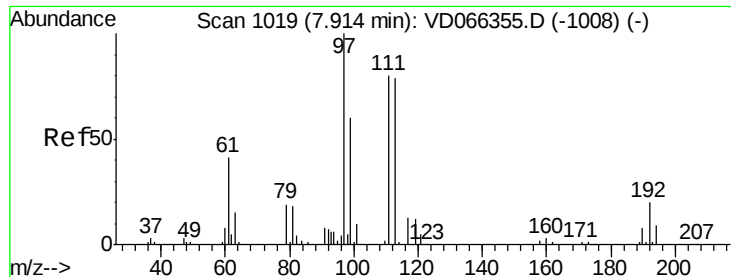
Tot Ion: 65 Resp: 123322
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion: 114 Resp: 340645
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.8
 88 15.0 0.0 35.4

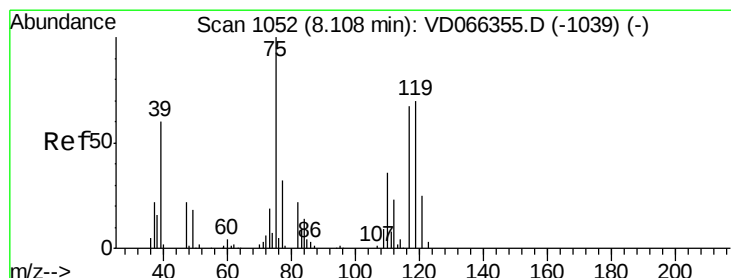
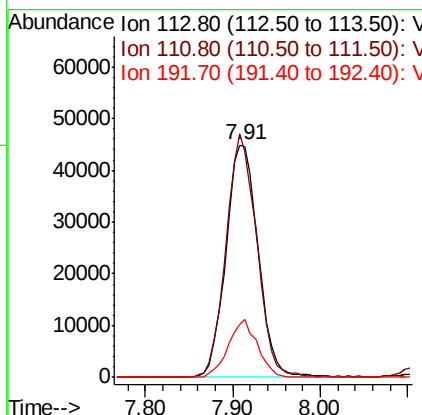
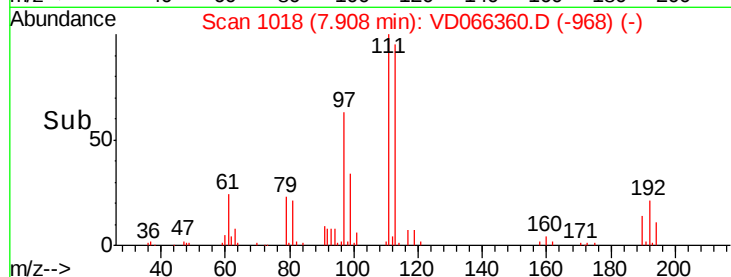
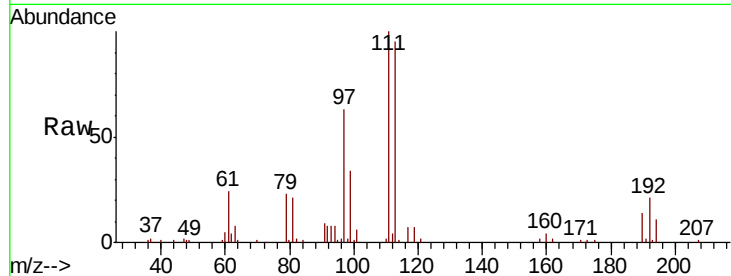




#35
 Dibromofluoromethane
 Concen: 52.697 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

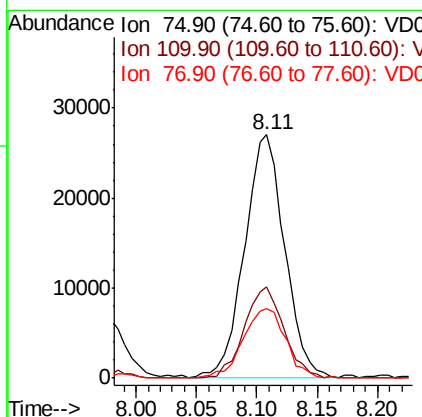
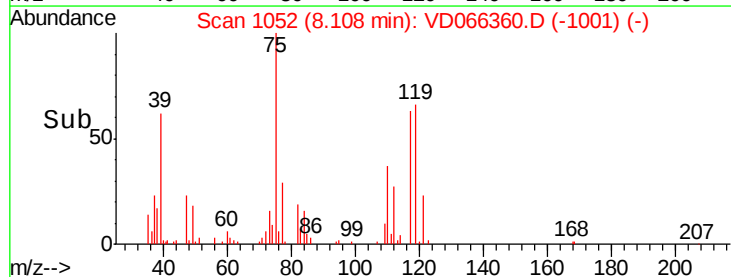
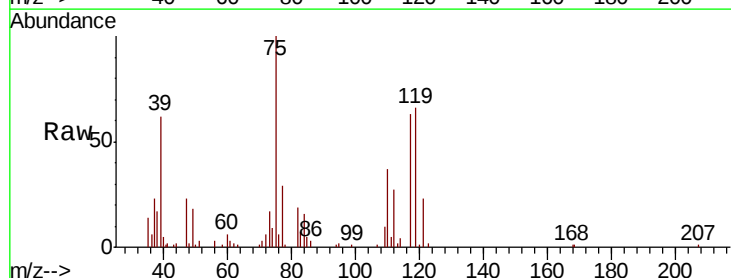
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

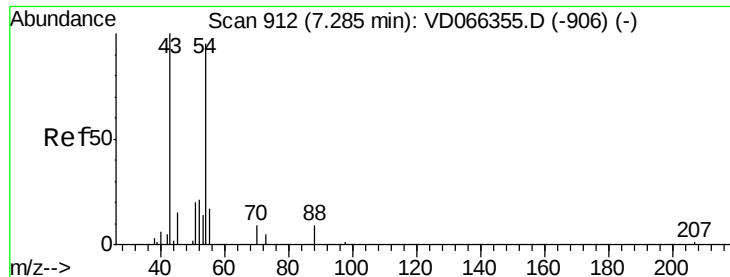
Tot Ion:113 Resp: 112249
 Ion Ratio Lower Upper
 113 100
 111 99.8 80.3 120.5
 192 22.4 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 20.126 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion: 75 Resp: 62556
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.7 56.1
 77 30.3 25.2 37.8

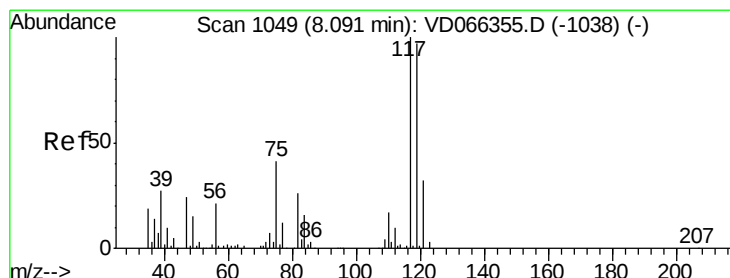
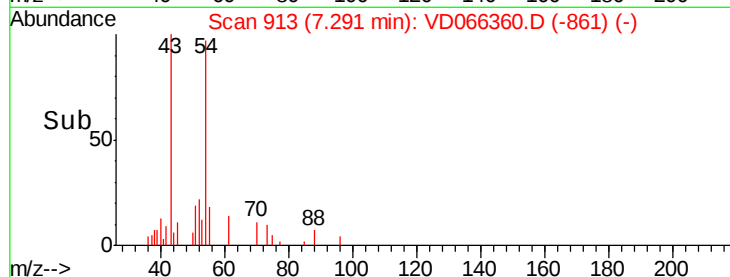
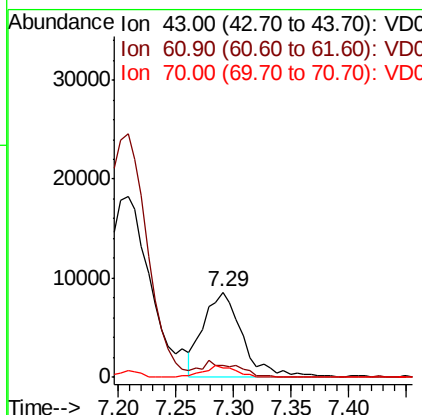
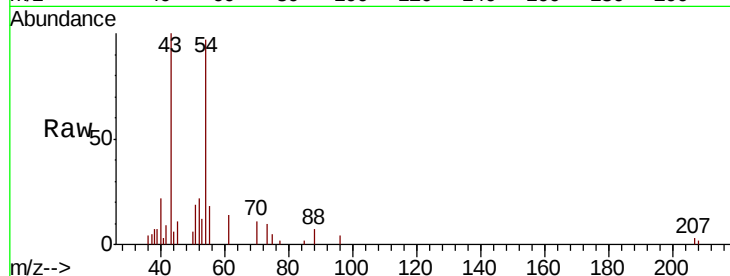




#37
Ethyl Acetate
Concen: 19.388 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

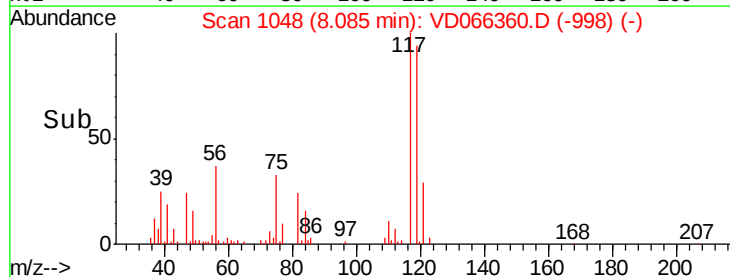
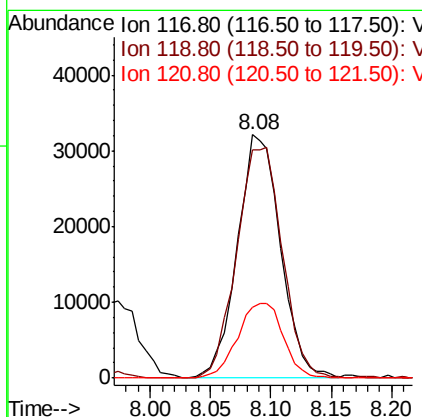
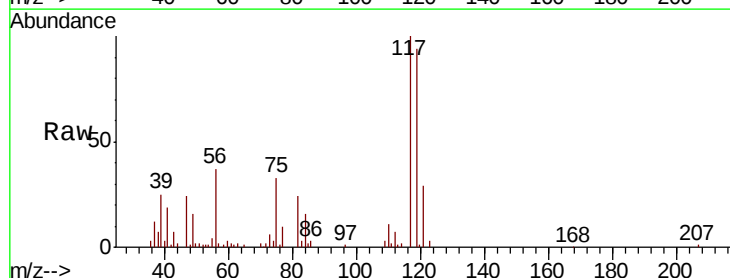
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

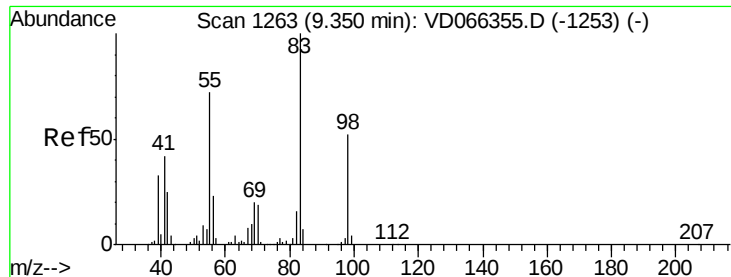
Tot Ion: 43 Resp: 20496
Ion Ratio Lower Upper
43 100
61 17.8 13.3 19.9
70 11.2 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 19.805 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 117 Resp: 80201
Ion Ratio Lower Upper
117 100
119 93.6 77.2 115.8
121 28.8 25.8 38.8

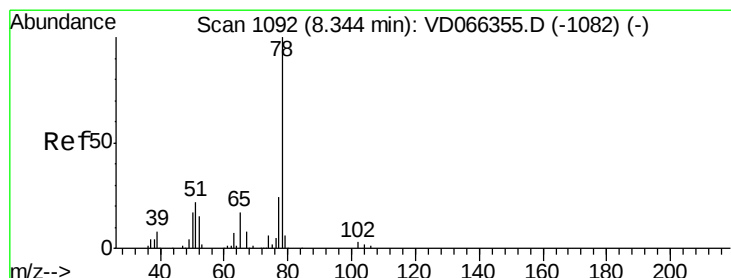
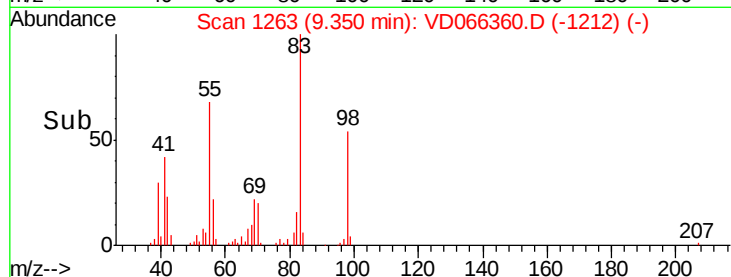
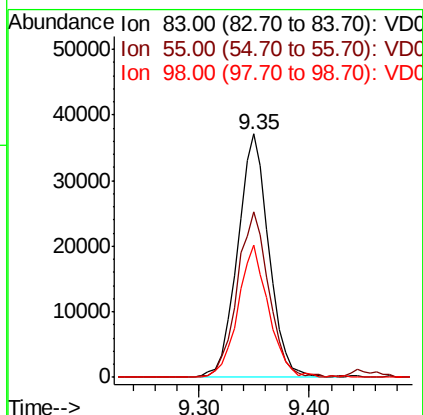
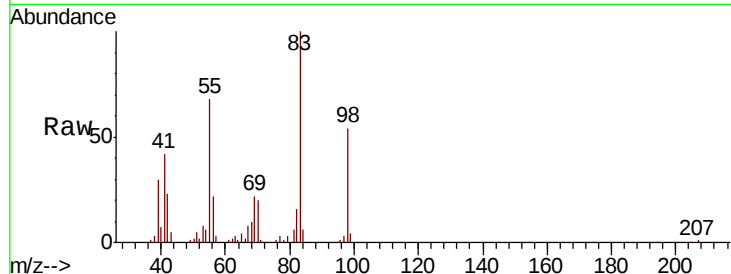




#39
Methvlcvclohexane
Concen: 20.087 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

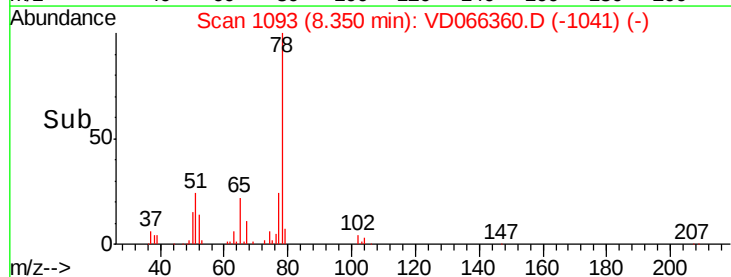
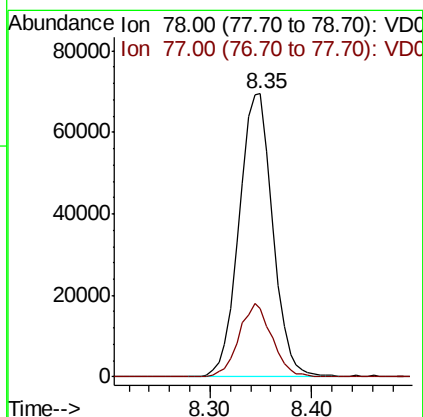
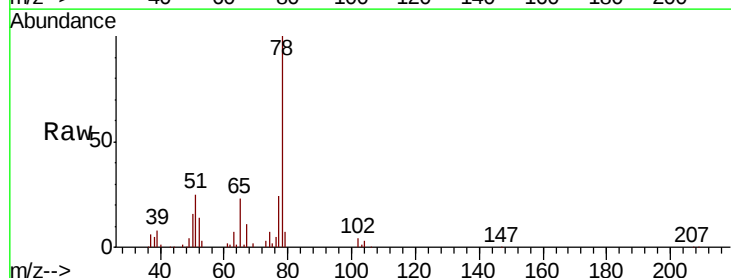
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

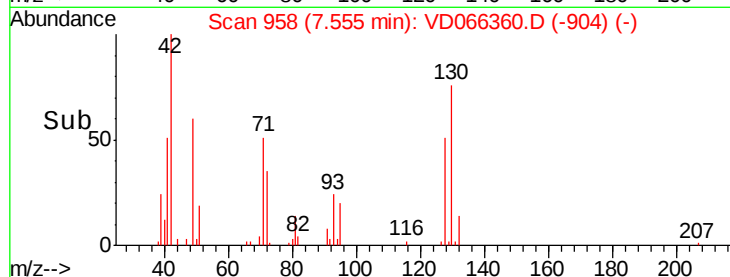
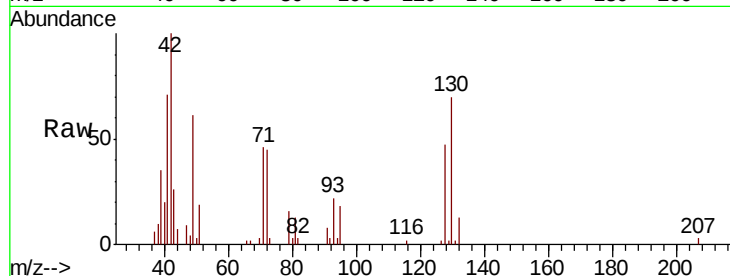
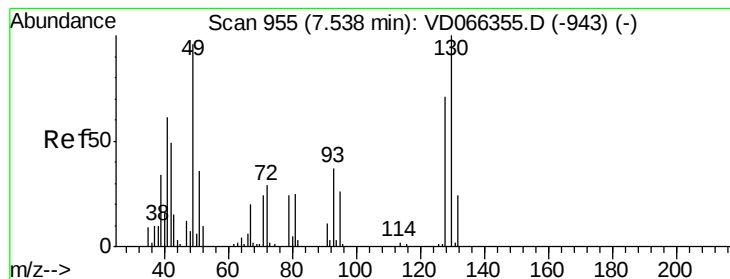
Tot Ion: 83 Resp: 73544
Ion Ratio Lower Upper
83 100
55 68.2 58.0 87.0
98 54.1 41.9 62.9



#40
Benzene
Concen: 19.585 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 78 Resp: 160139
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 47.325 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.02 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 41 Resp: 30852

Ion Ratio Lower Upper

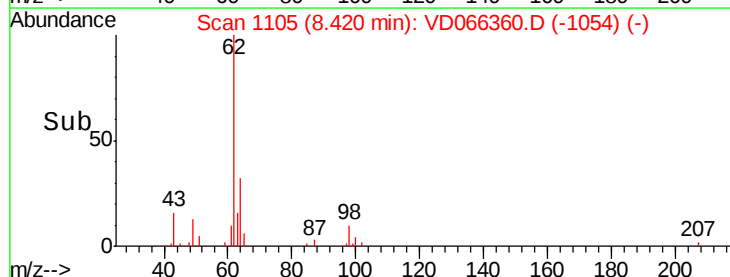
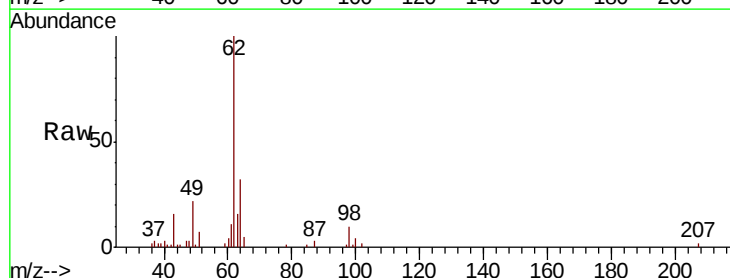
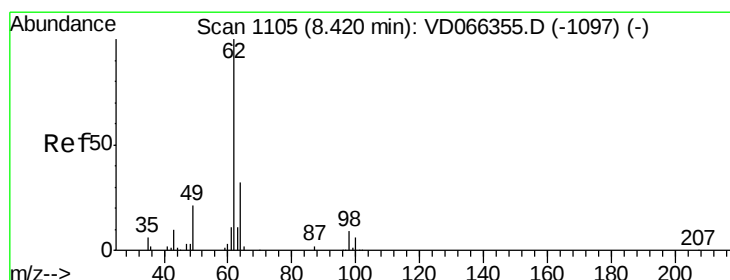
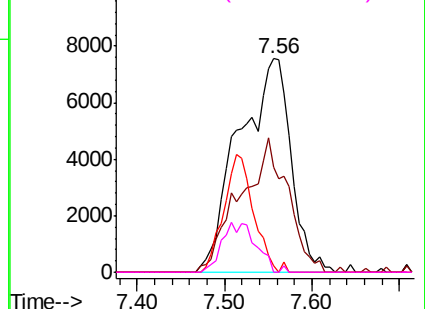
41 100

39 57.6 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
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.418 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

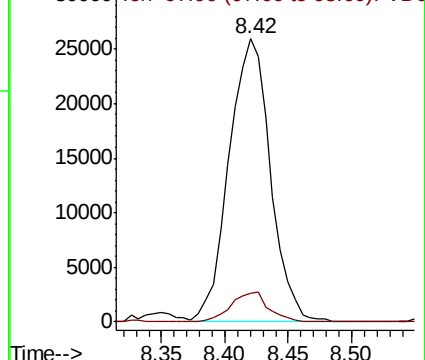
Tgt Ion: 62 Resp: 58801

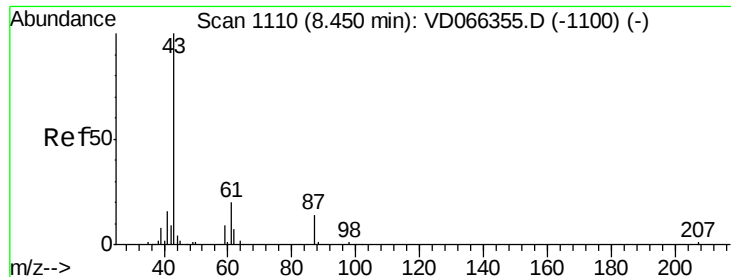
Ion Ratio Lower Upper

62 100

98 9.4 0.0 16.2

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





#43

Isopropyl Acetate

Concen: 19.785 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

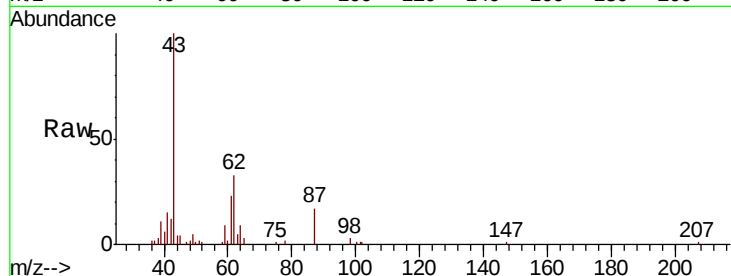
Tot Ion: 43 Resp: 41980

Ion Ratio Lower Upper

43 100

61 33.9 26.5 39.7

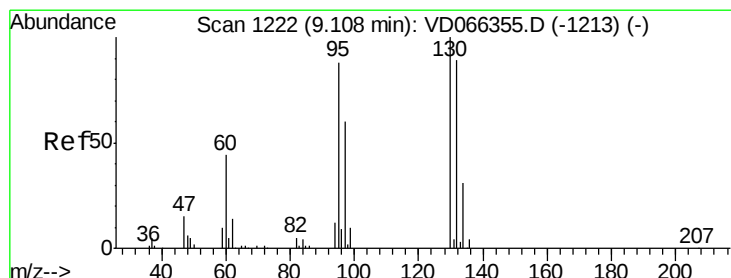
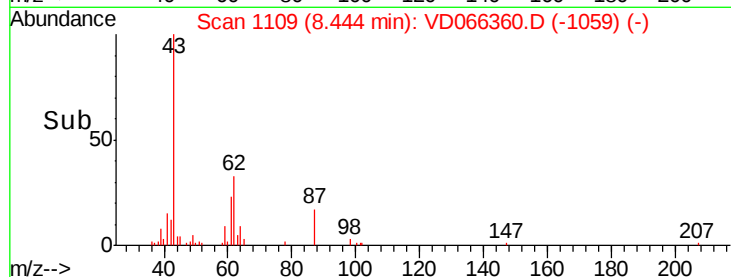
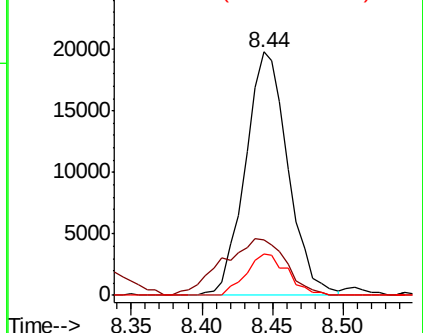
87 16.4 11.9 17.9



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



#44

Trichloroethene

Concen: 20.069 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066360.D

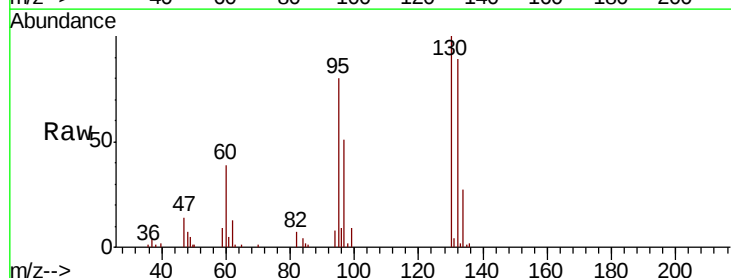
Acq: 21 Aug 2020 15:32

Tgt Ion: 130 Resp: 53320

Ion Ratio Lower Upper

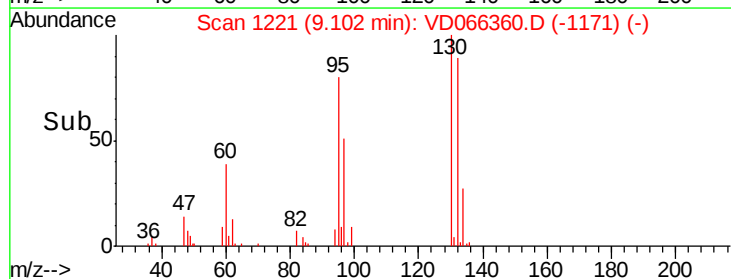
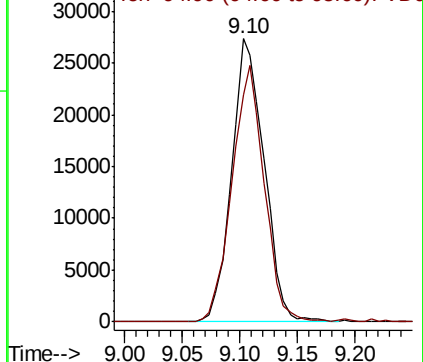
130 100

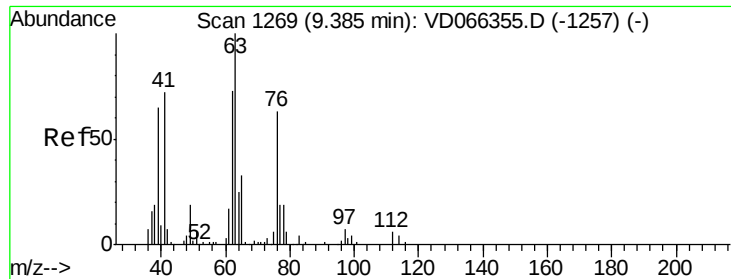
95 80.1 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.078 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

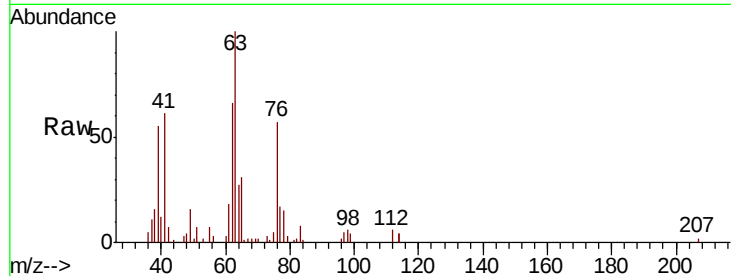
VD0821SBS01

Tot Ion: 63 Resp: 37218

Ion Ratio Lower Upper

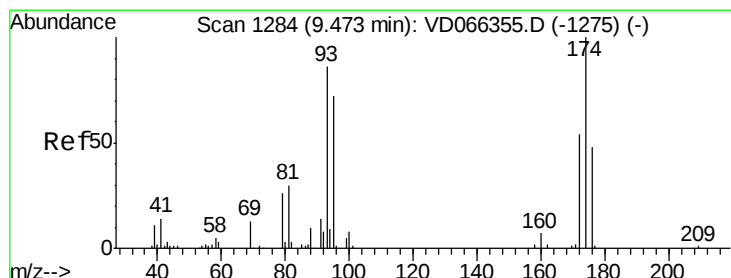
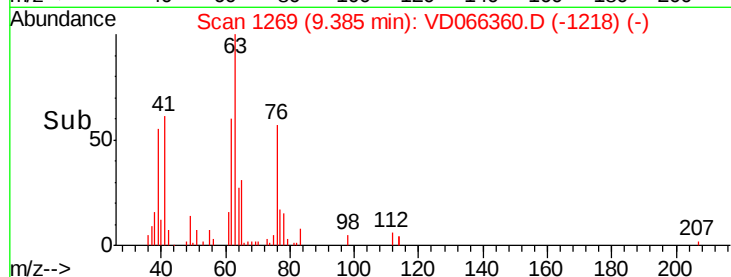
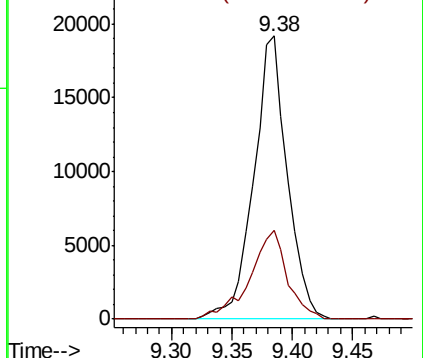
63 100

65 31.3 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.244 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

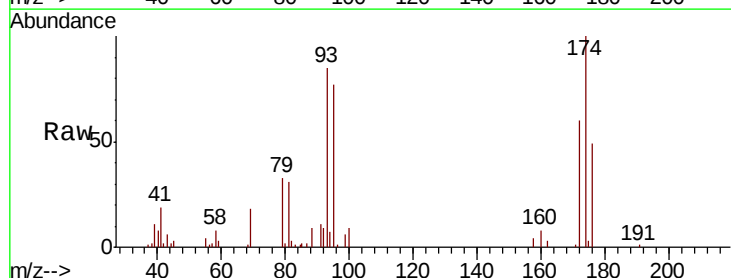
Tgt Ion: 93 Resp: 22210

Ion Ratio Lower Upper

93 100

95 86.6 66.0 99.0

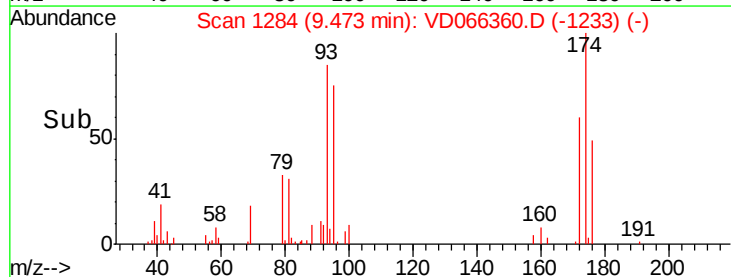
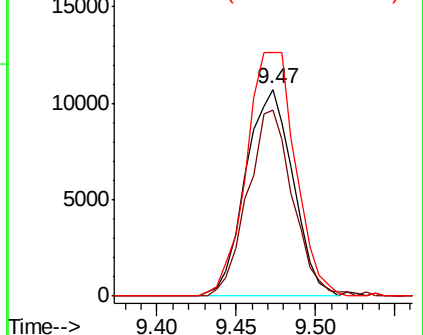
174 123.1 94.6 141.8

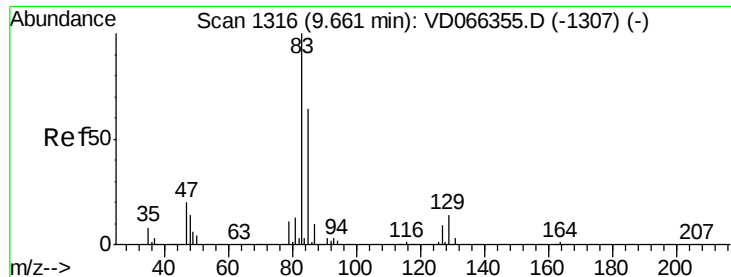


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.346 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

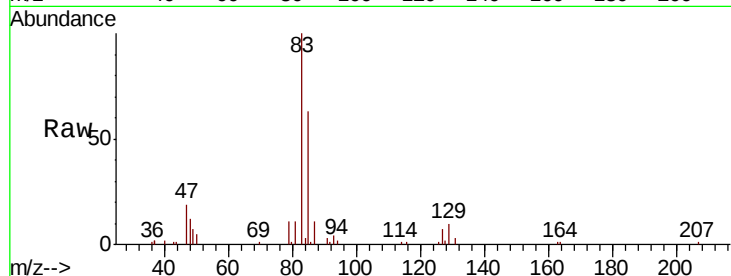
Tot Ion: 83 Resp: 64578

Ion Ratio Lower Upper

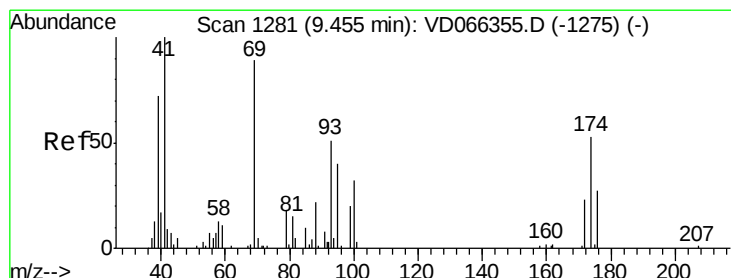
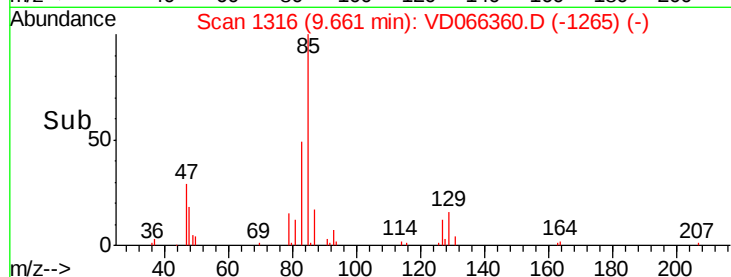
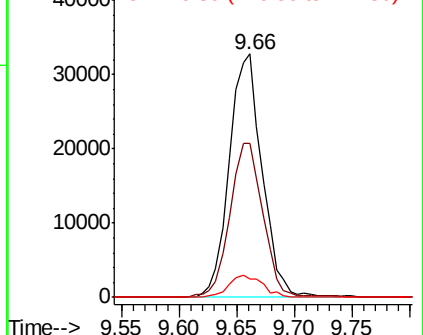
83 100

85 63.4 51.4 77.0

127 7.3 7.4 11.0#



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: 21.546 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

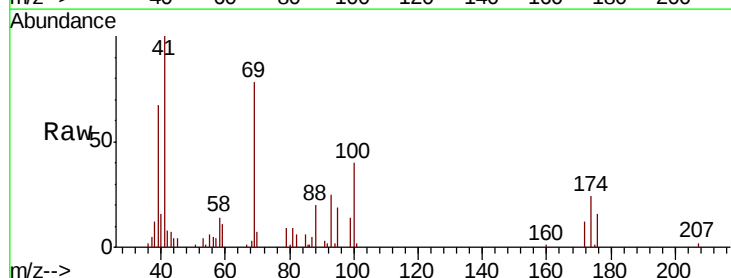
Tgt Ion: 41 Resp: 23575

Ion Ratio Lower Upper

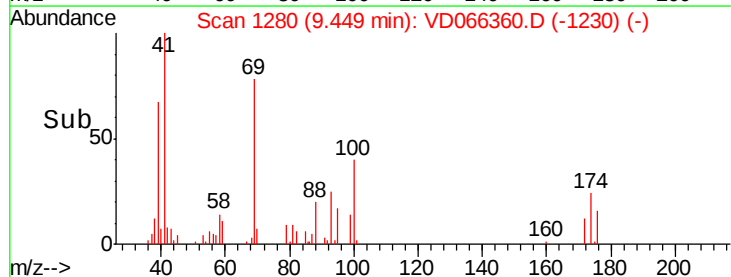
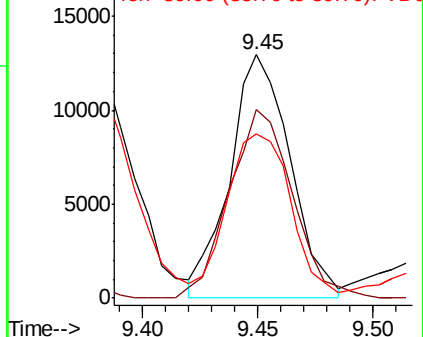
41 100

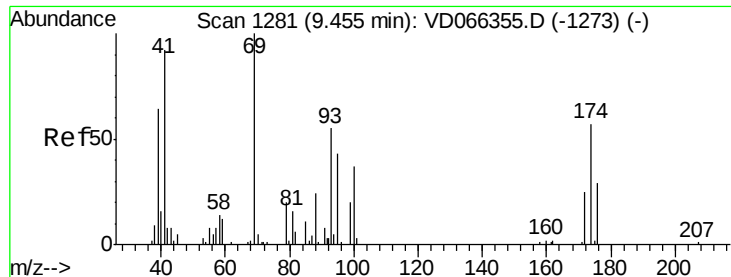
69 81.3 75.5 113.3

39 66.8 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

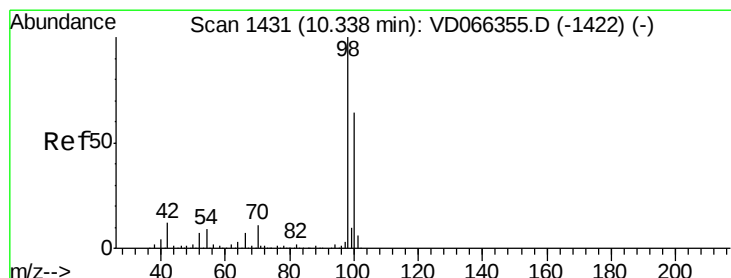
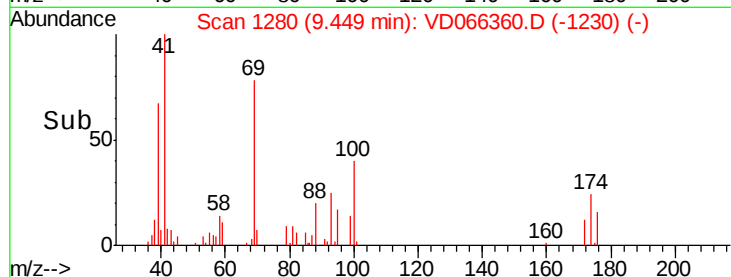
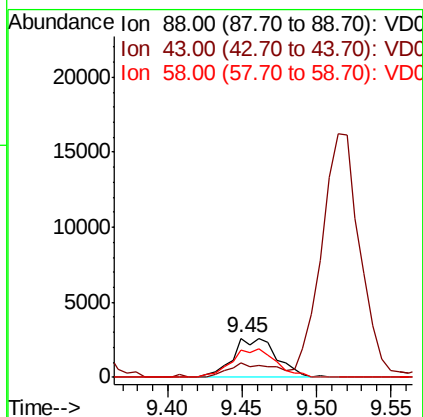
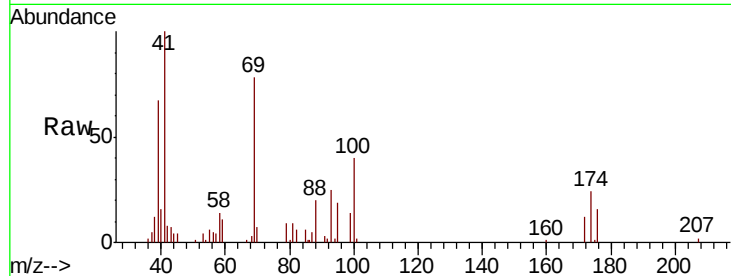




#49
1,4-Dioxane
Concen: 400.256 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

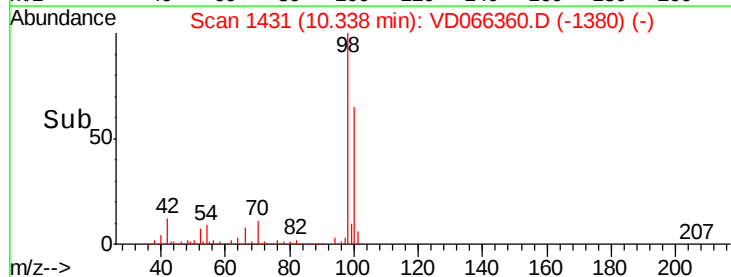
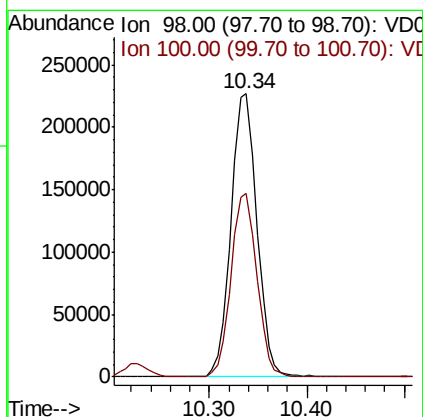
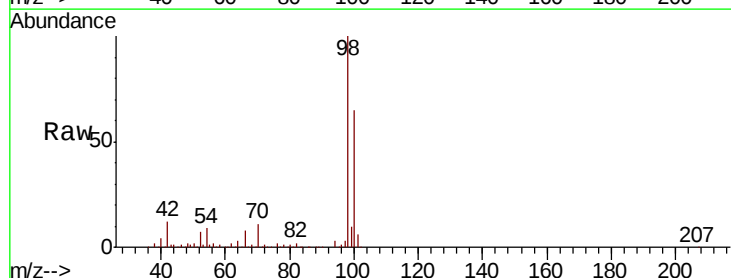
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

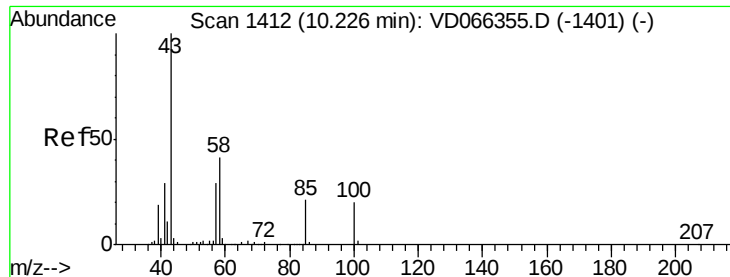
Tot Ion: 88 Resp: 5364
Ion Ratio Lower Upper
88 100
43 37.2 29.4 44.0
58 73.8 45.4 68.2#



#50
Toluene-d8
Concen: 53.883 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 98 Resp: 419948
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 100.152 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

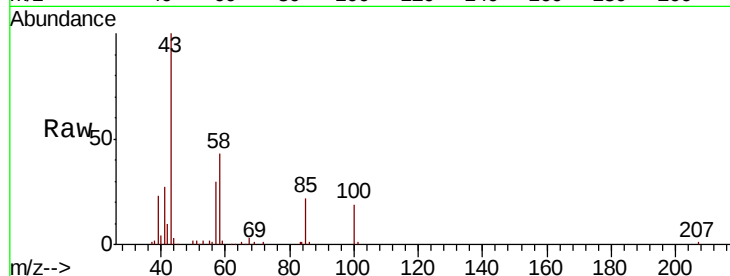
VD0821SBS01

Tot Ion: 43 Resp: 102801

Ion Ratio Lower Upper

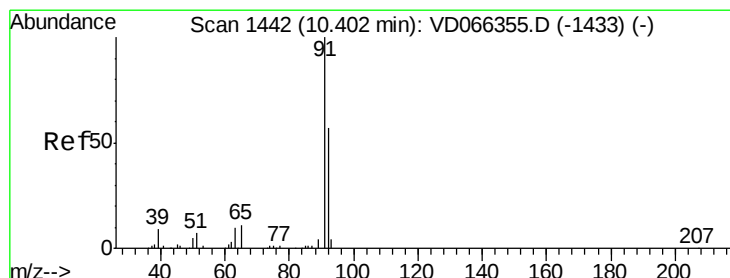
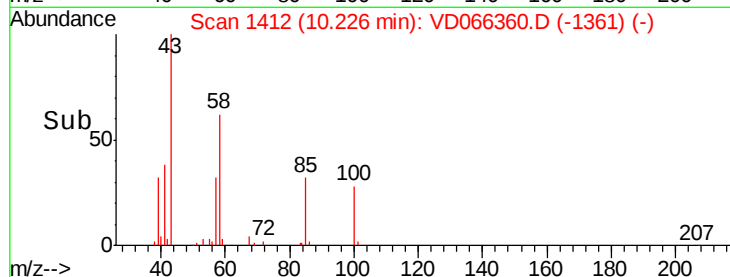
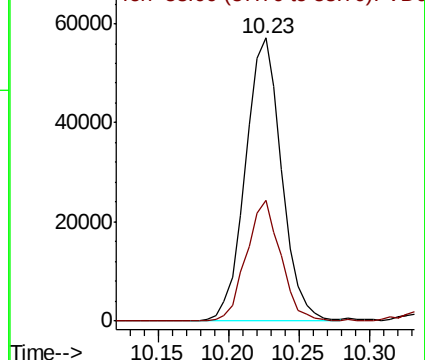
43 100

58 40.2 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.578 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066360.D

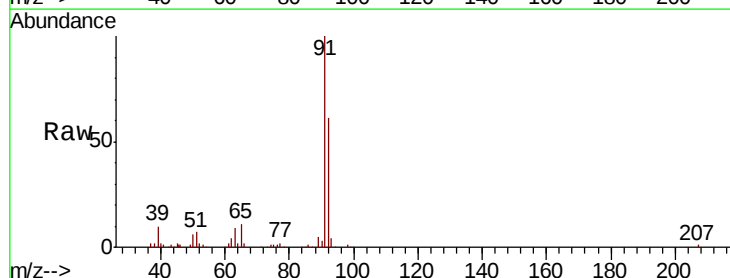
Acq: 21 Aug 2020 15:32

Tgt Ion: 92 Resp: 113997

Ion Ratio Lower Upper

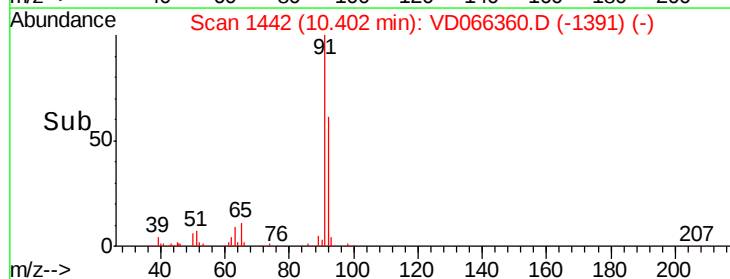
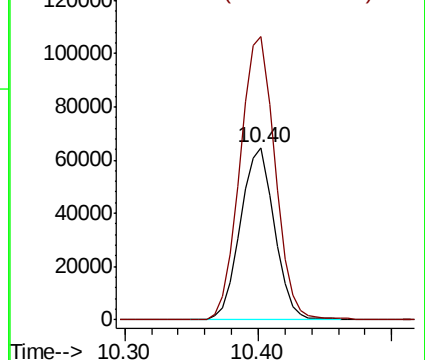
92 100

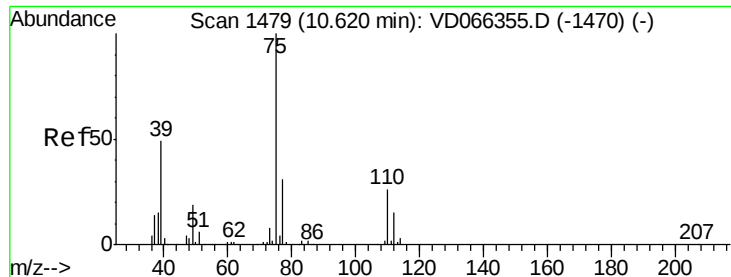
91 169.6 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.985 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

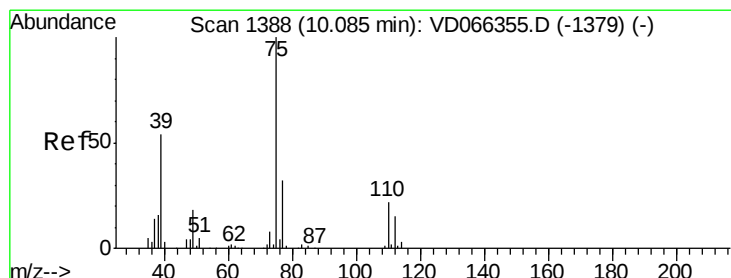
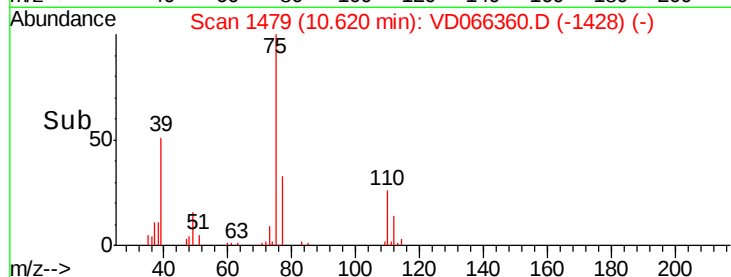
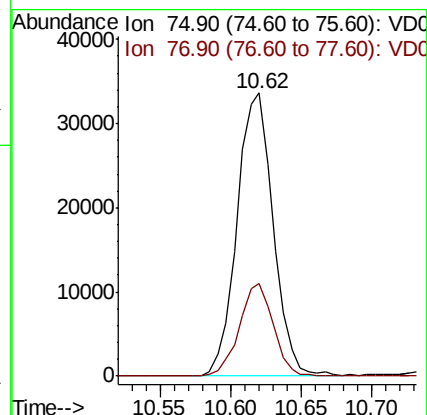
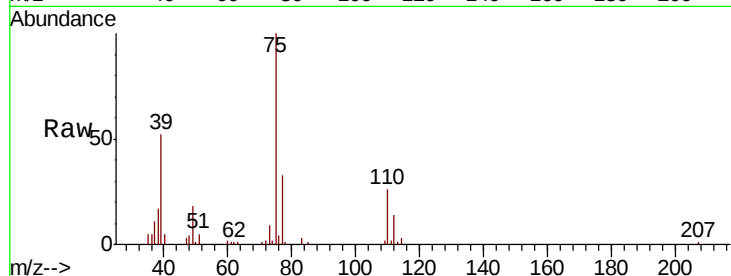
VD0821SBS01

Tot Ion: 75 Resp: 60189

Ion Ratio Lower Upper

75 100

77 32.6 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 20.004 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

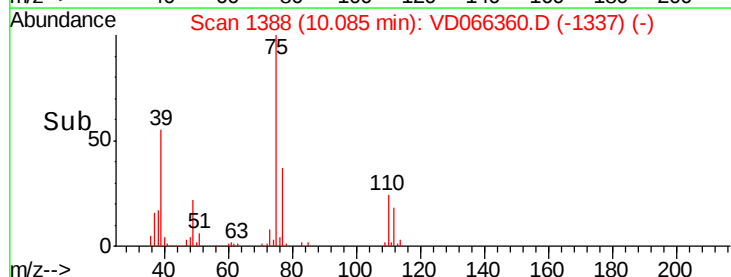
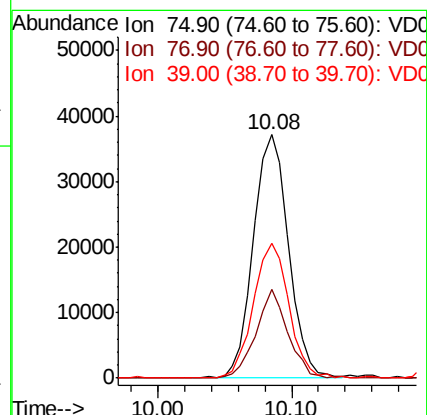
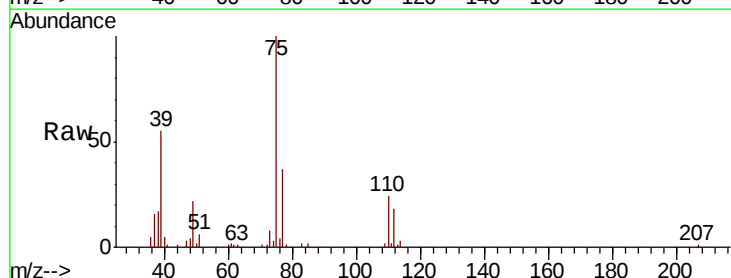
Tgt Ion: 75 Resp: 67625

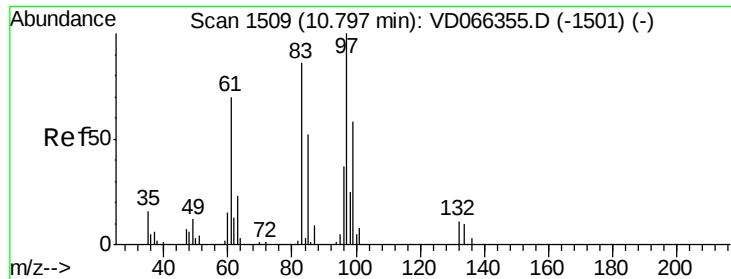
Ion Ratio Lower Upper

75 100

77 36.5 25.6 38.4

39 55.4 43.4 65.0

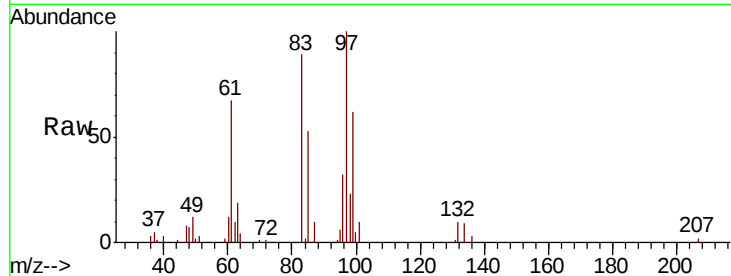




#55
 1,1,2-Trichloroethane
 Concen: 19.998 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:	97	Resp:	31246
Ion	Ratio	Lower	Upper
97	100		
83	89.1	68.4	102.6
85	52.5	41.3	61.9
99	61.1	46.1	69.1



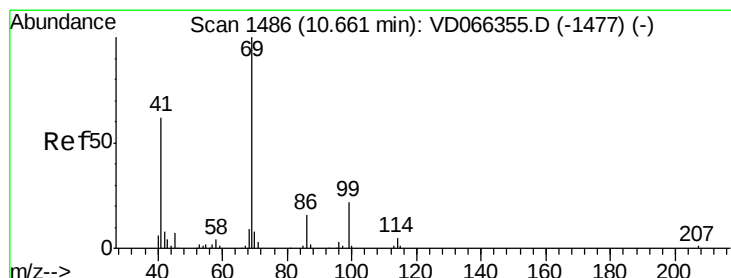
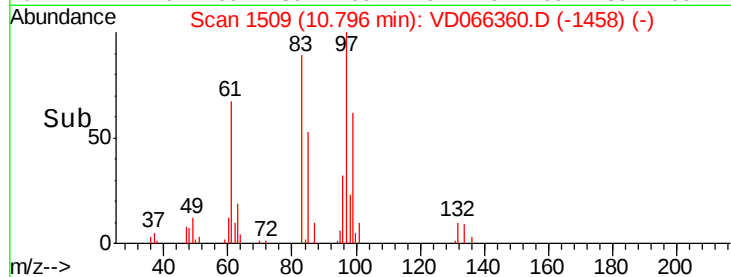
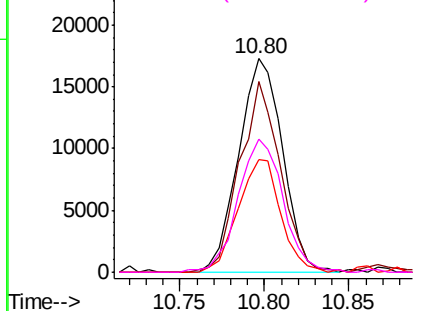
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

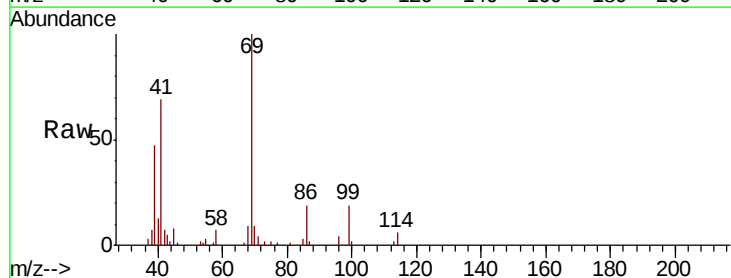
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 19.357 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion:	69	Resp:	35011
Ion	Ratio	Lower	Upper
69	100		
41	67.1	50.8	76.2
39	43.5	32.9	49.3

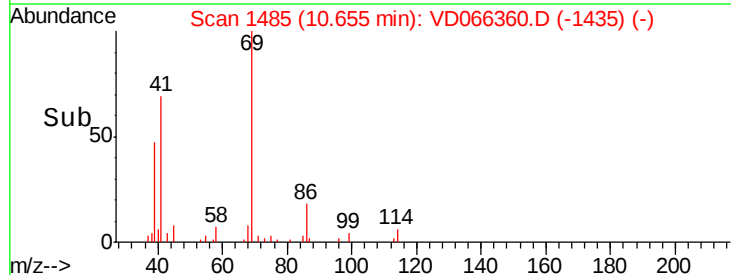
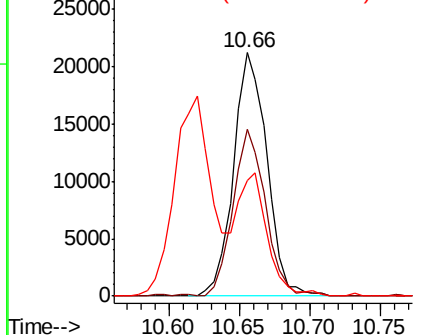


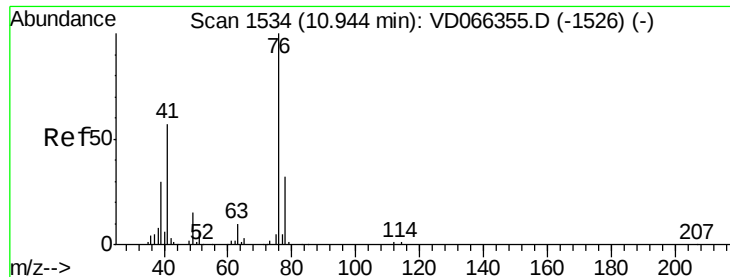
Abundance

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

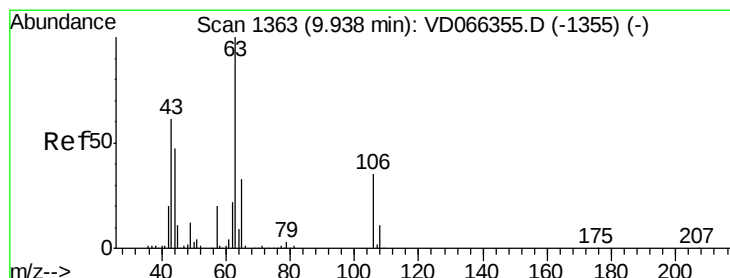
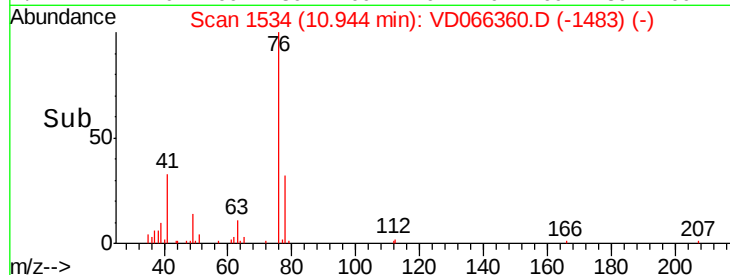
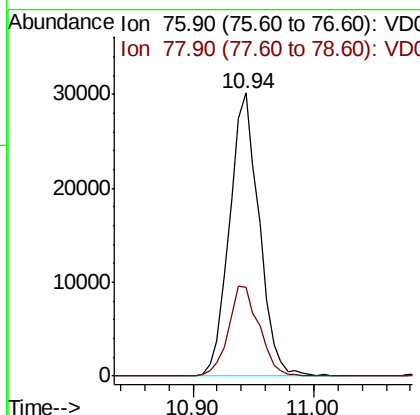
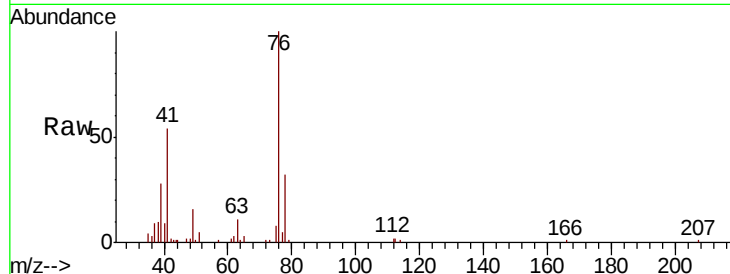




#57
 1,3-Dichloropropane
 Concen: 19.962 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

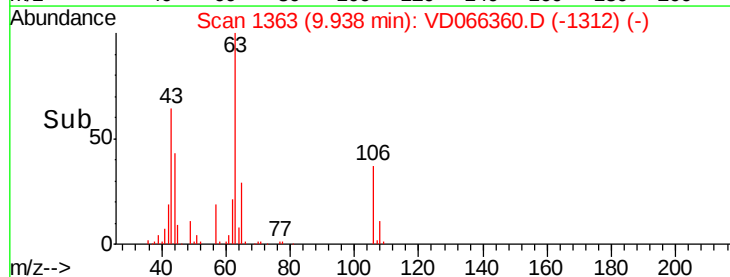
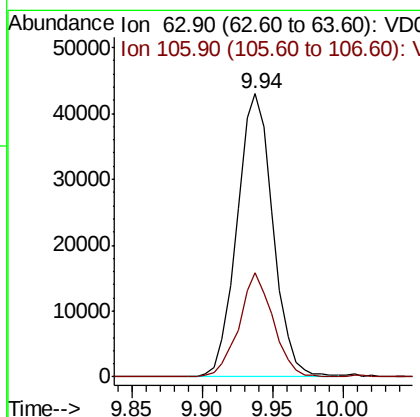
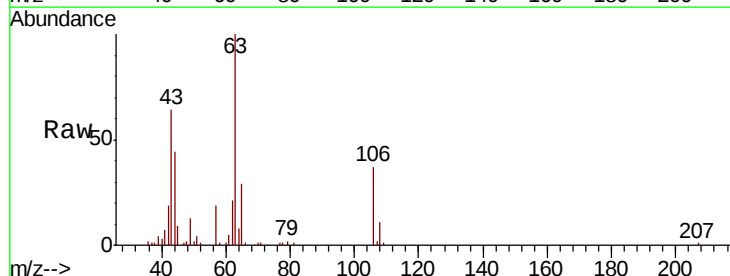
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

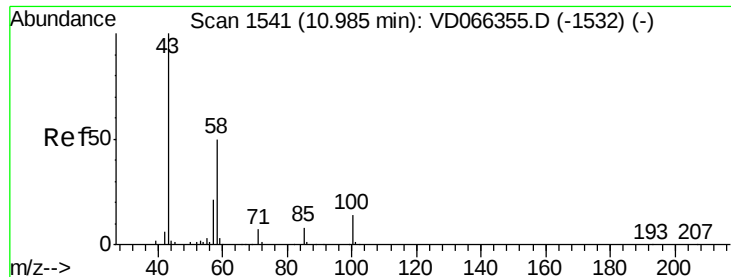
Tot Ion: 76 Resp: 51590
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.900 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion: 63 Resp: 76548
 Ion Ratio Lower Upper
 63 100
 106 34.9 27.1 40.7

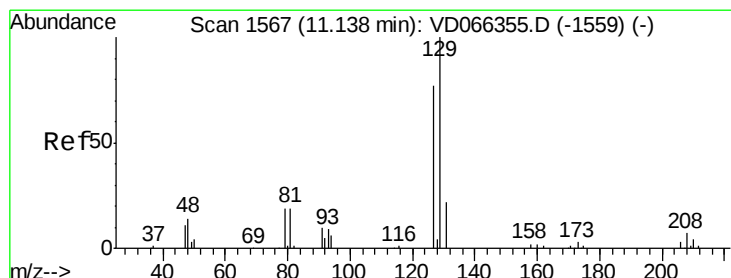
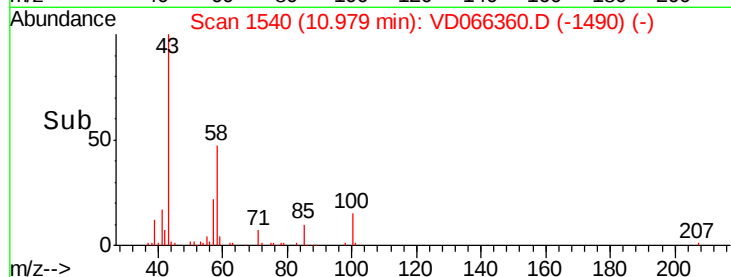
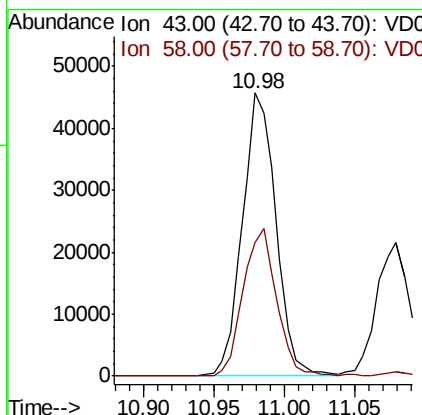
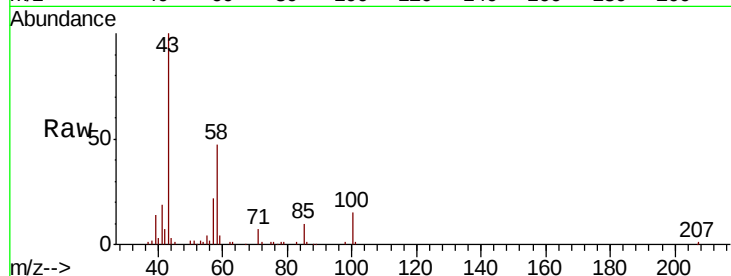




#59
2-Hexanone
Concen: 105.343 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

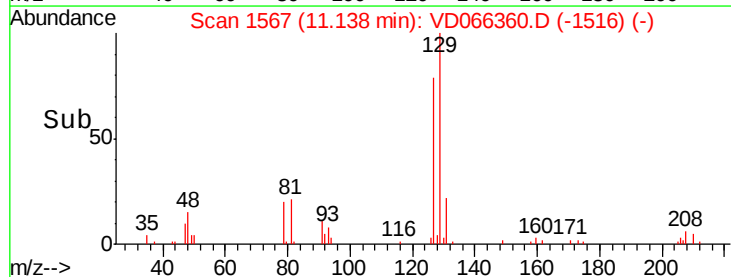
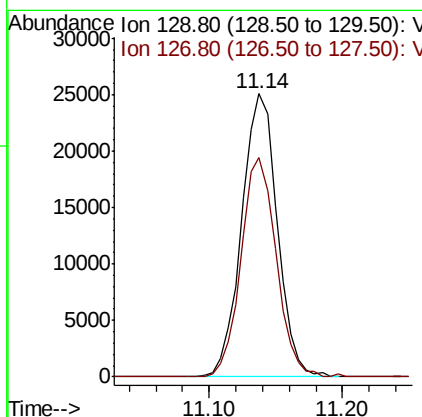
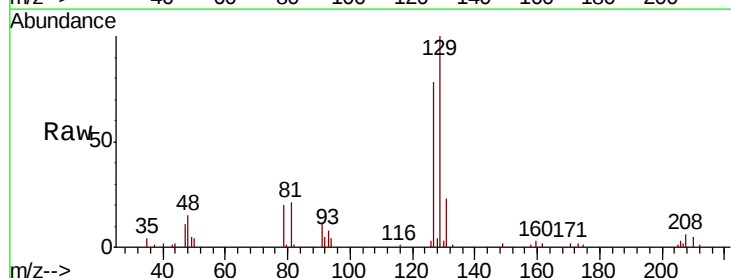
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

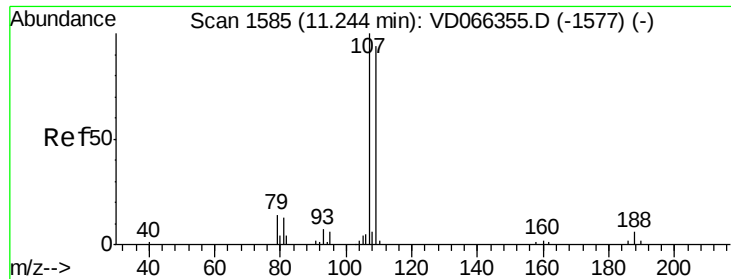
Tot Ion: 43 Resp: 76271
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8



#60
Dibromochloromethane
Concen: 19.600 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 129 Resp: 46161
Ion Ratio Lower Upper
129 100
127 76.6 39.0 117.0

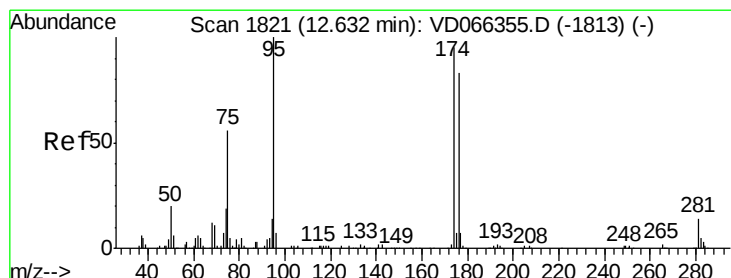
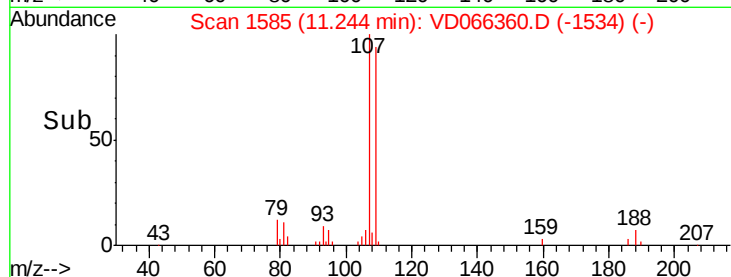
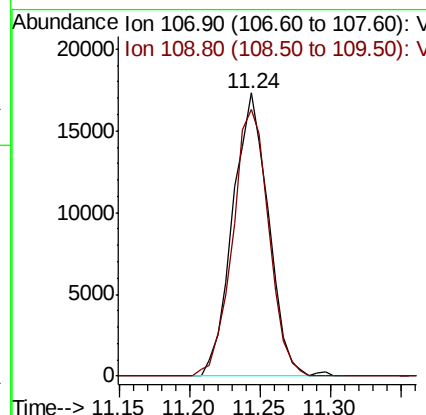
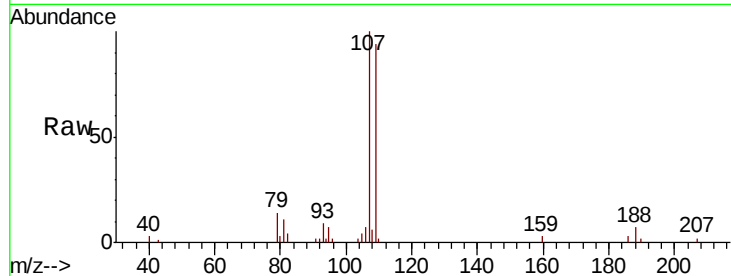




#61
 1,2-Dibromoethane
 Concen: 19.910 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

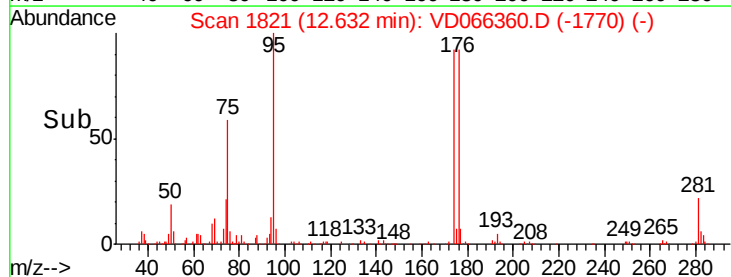
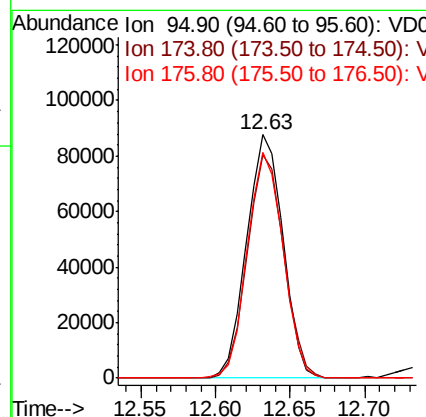
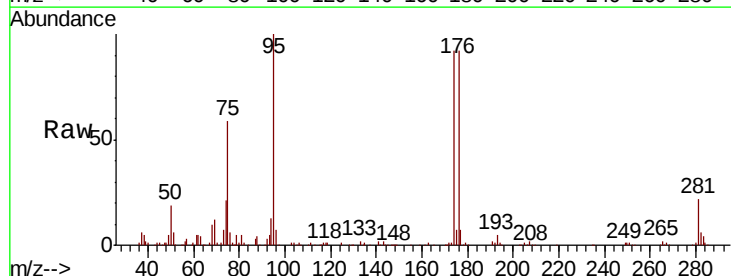
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

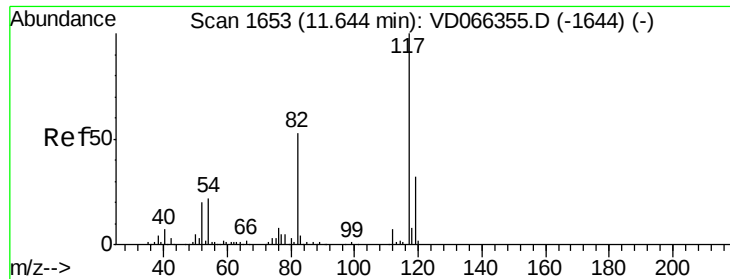
Tot Ion:107 Resp: 30614
 Ion Ratio Lower Upper
 107 100
 109 95.0 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 53.441 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion: 95 Resp: 147794
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 183.4
 176 90.9 0.0 173.8

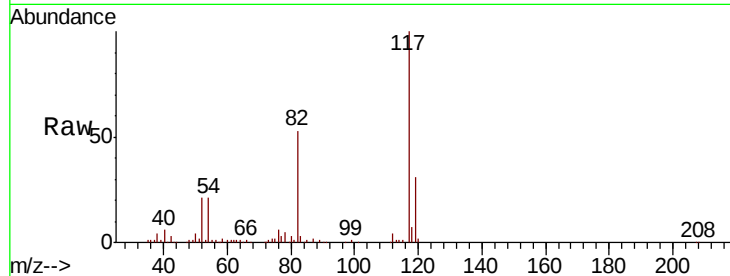




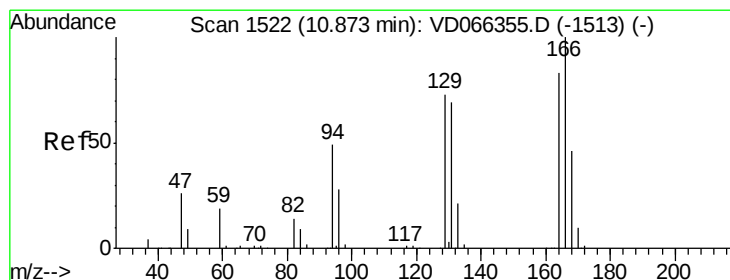
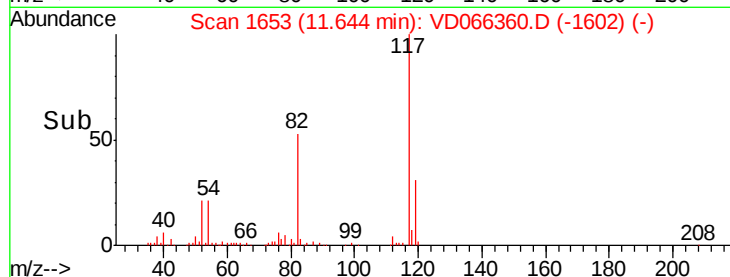
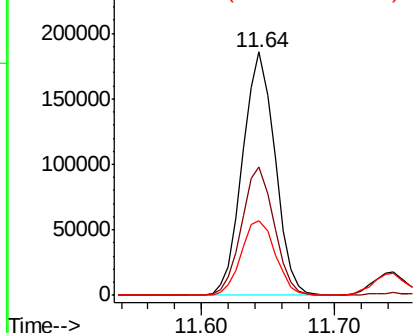
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:117 Resp: 313568
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 30.7 25.8 38.8

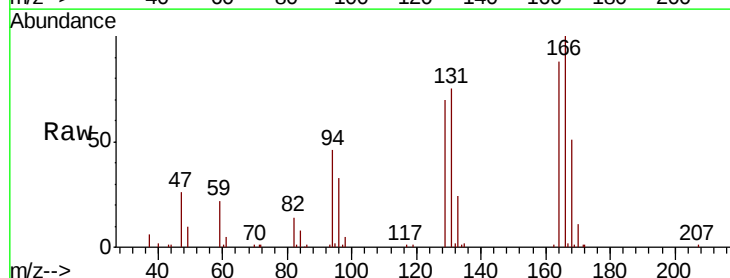


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

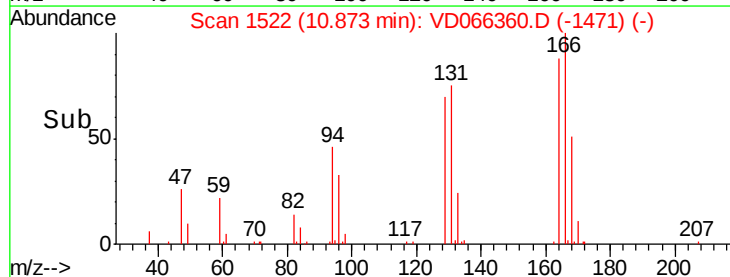
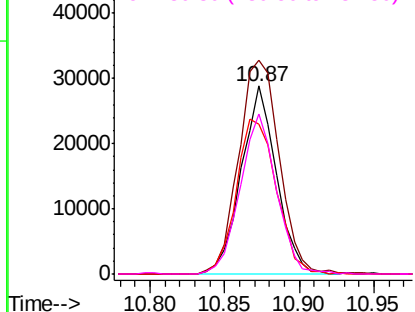


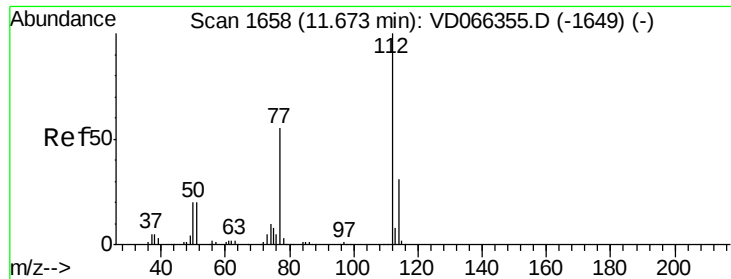
#64
Tetrachloroethene
Concen: 19.694 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion:164 Resp: 46847
Ion Ratio Lower Upper
164 100
166 113.7 96.2 144.4
129 79.6 70.3 105.5
131 84.9 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

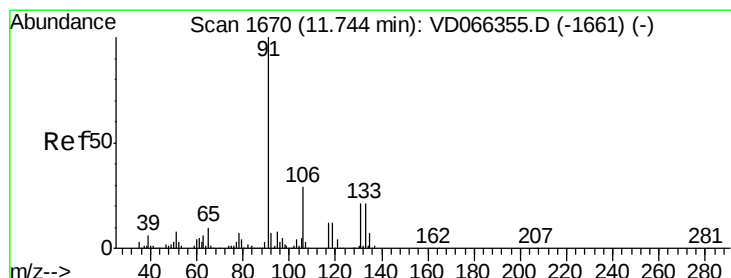
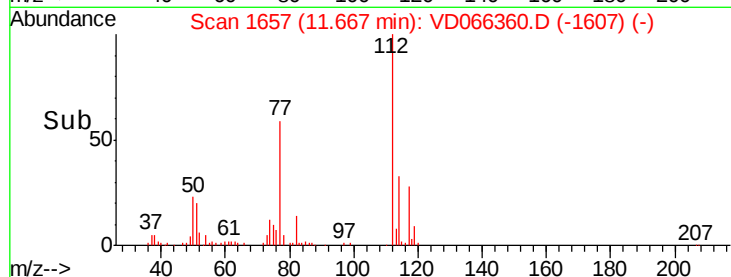
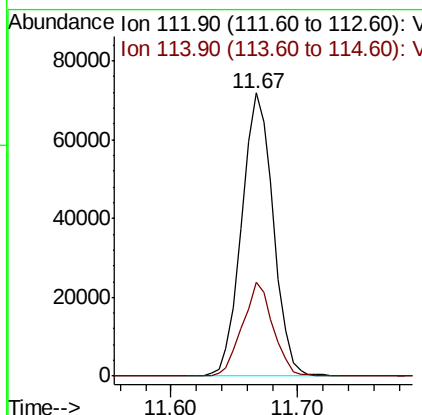
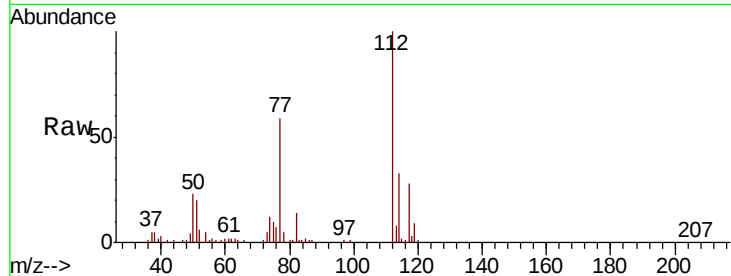




#65
Chlorobenzene
Concen: 19.921 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

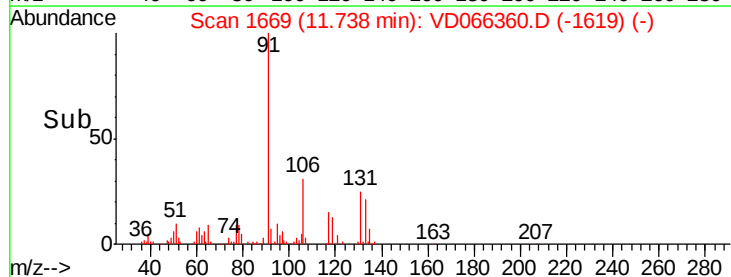
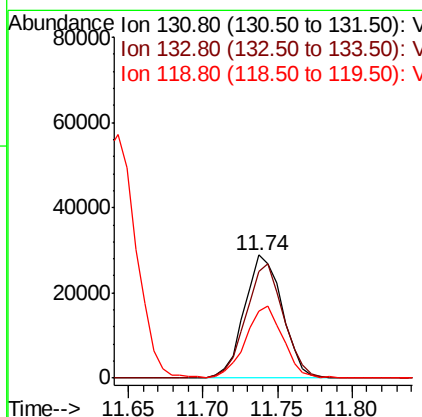
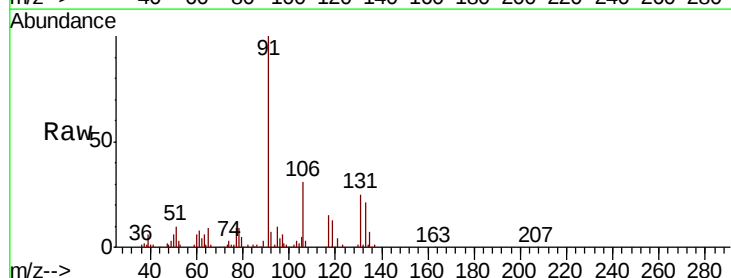
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

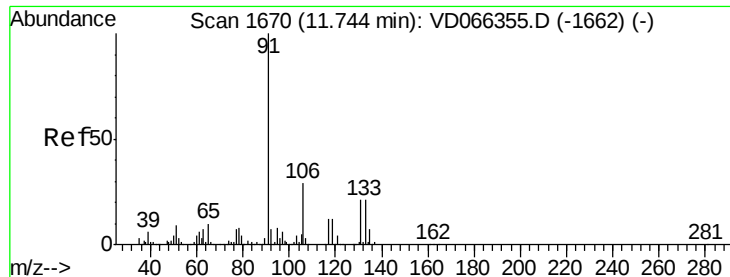
Tot Ion:112 Resp: 124277
Ion Ratio Lower Upper
112 100
114 33.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.918 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion:131 Resp: 50781
Ion Ratio Lower Upper
131 100
133 91.9 48.6 145.9
119 57.8 29.0 87.1





#67

Ethyl Benzene

Concen: 19.910 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

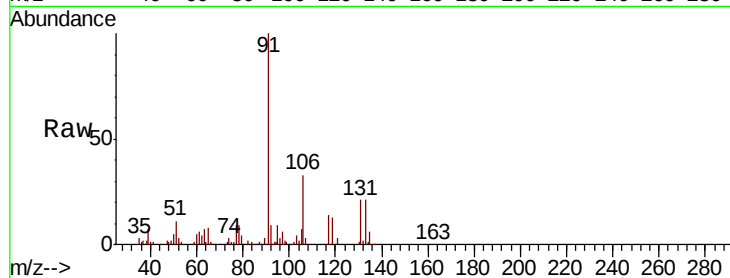
VD0821SBS01

Tot Ion: 91 Resp: 218642

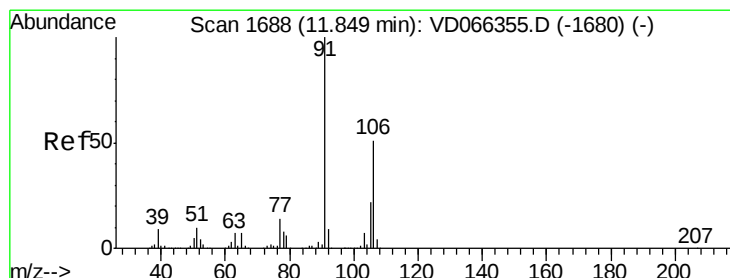
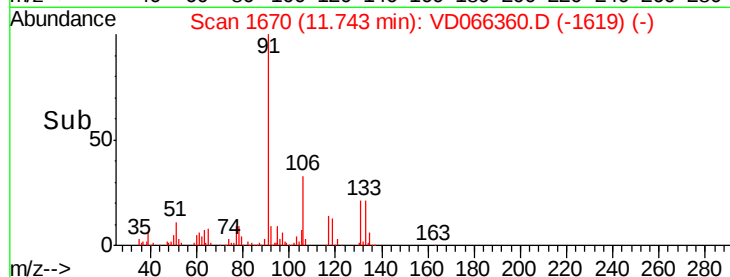
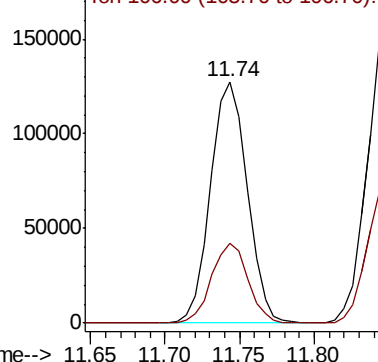
Ion Ratio Lower Upper

91 100

106 33.3 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 40.266 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066360.D

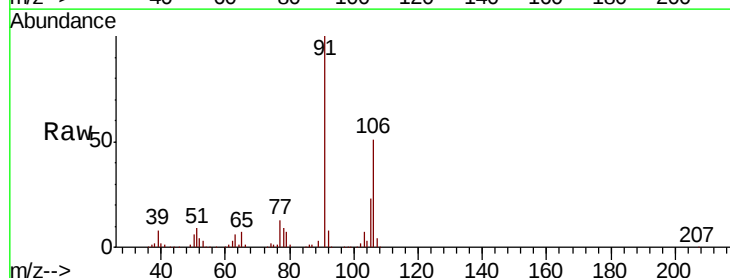
Acq: 21 Aug 2020 15:32

Tgt Ion:106 Resp: 168535

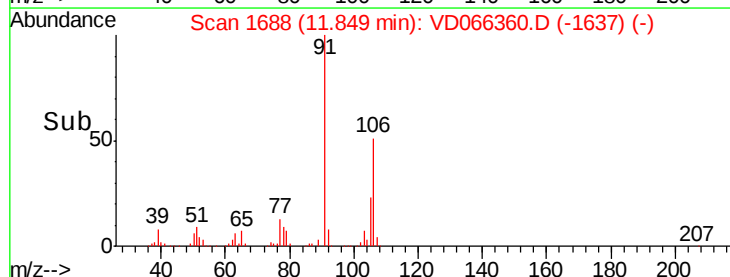
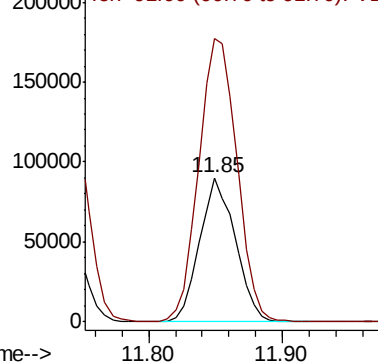
Ion Ratio Lower Upper

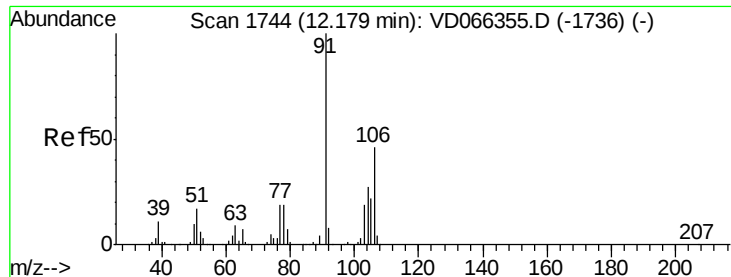
106 100

91 208.9 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

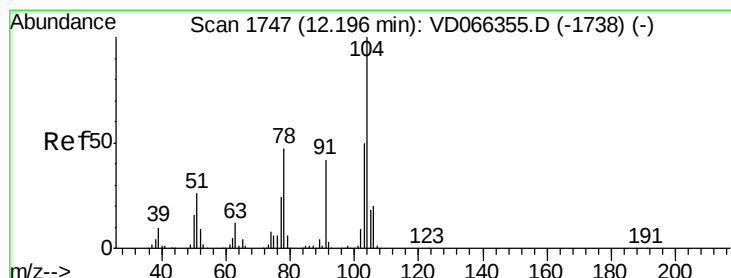
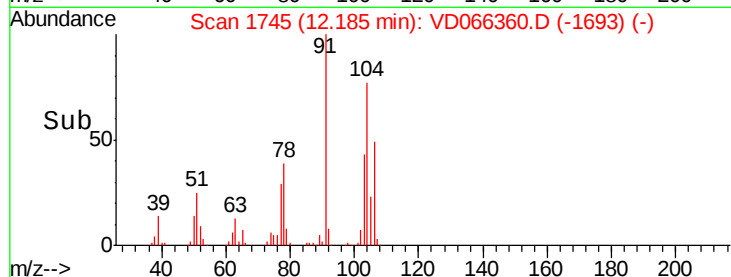
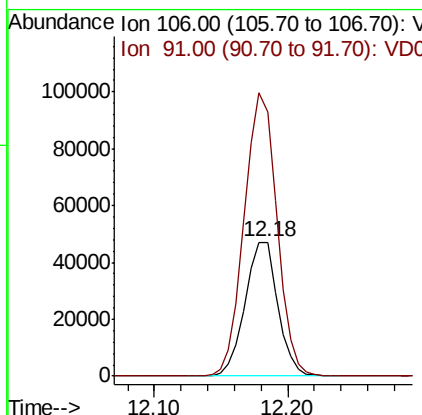
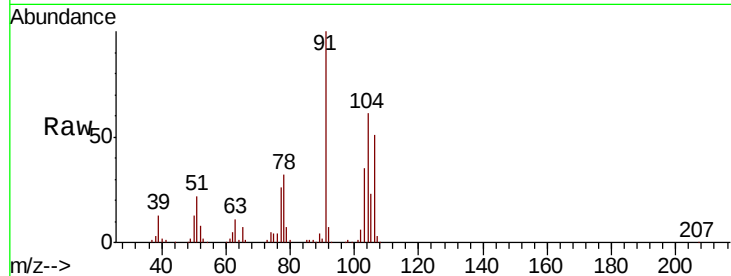




#69
o-Xylene
Concen: 20.468 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

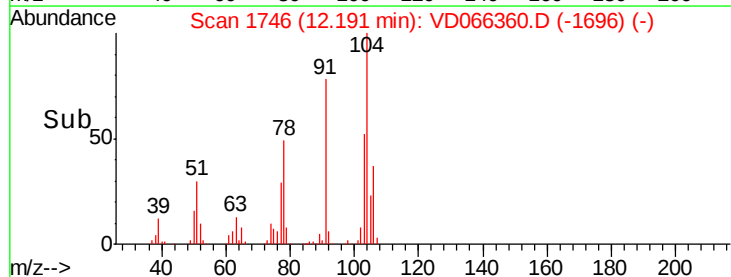
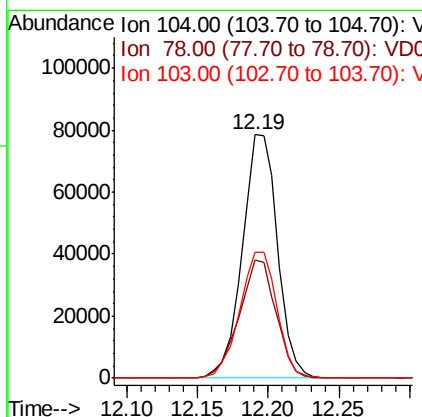
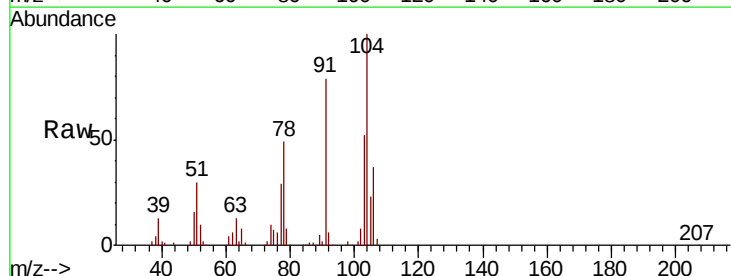
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

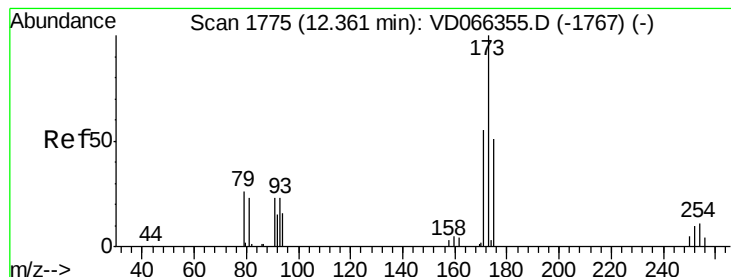
Tot Ion:106 Resp: 79699
Ion Ratio Lower Upper
106 100
91 211.6 109.1 327.3



#70
Styrene
Concen: 20.484 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion:104 Resp: 136956
Ion Ratio Lower Upper
104 100
78 51.1 41.7 62.5
103 54.9 43.5 65.3





#71

Bromoform

Concen: 20.517 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

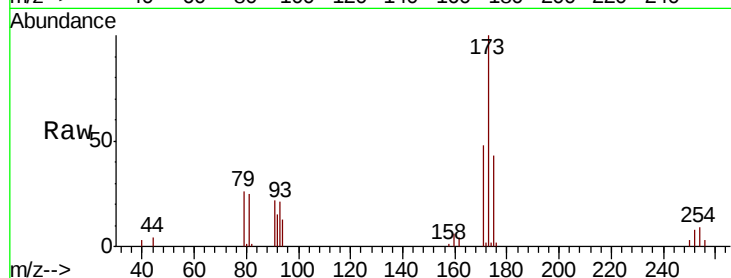
Tot Ion:173 Resp: 29676

Ion Ratio Lower Upper

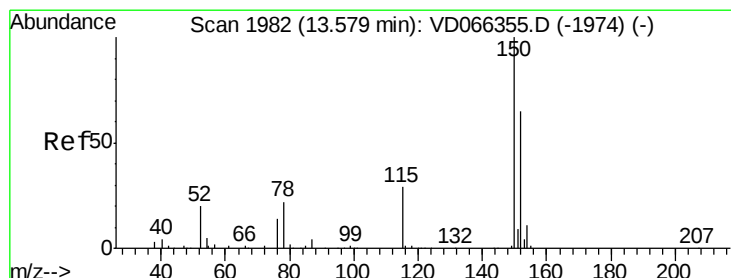
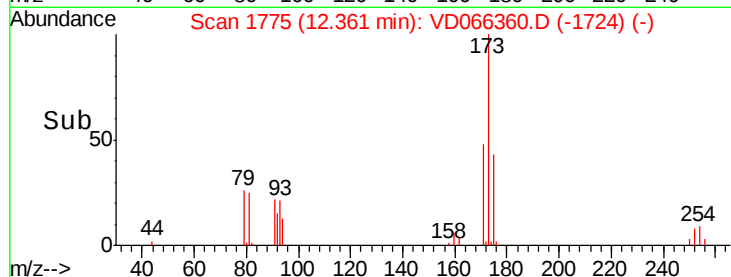
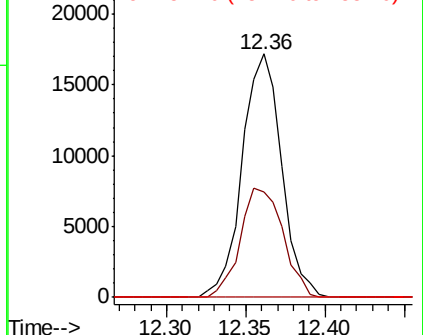
173 100

175 48.5 24.8 74.3

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

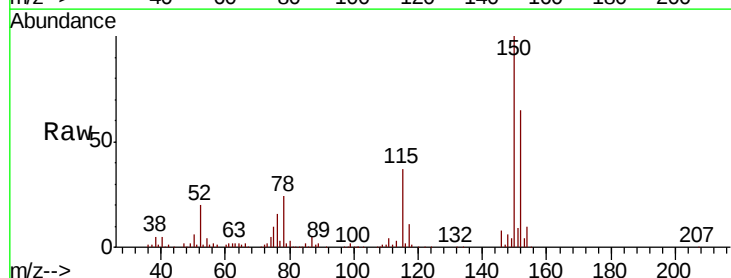
Tgt Ion:152 Resp: 169149

Ion Ratio Lower Upper

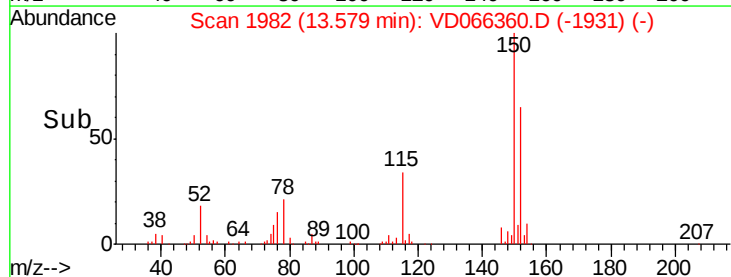
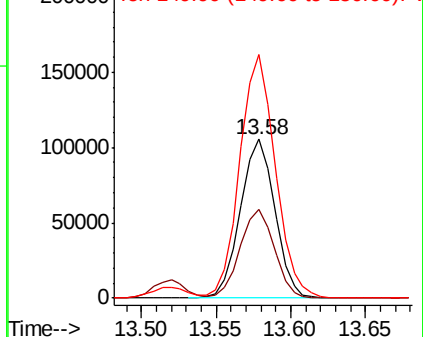
152 100

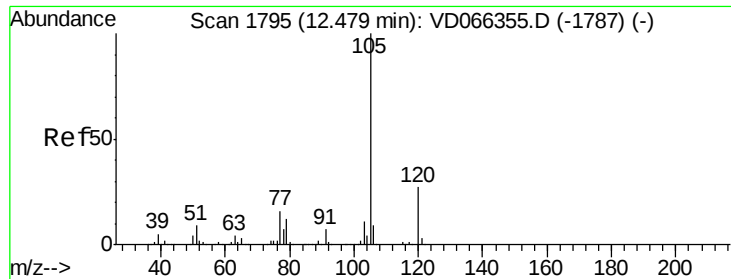
115 55.8 28.3 85.0

150 157.7 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: 19.637 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

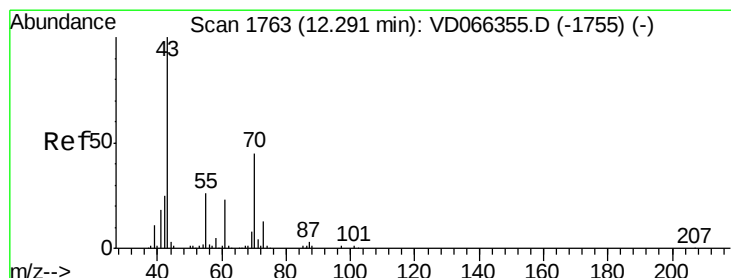
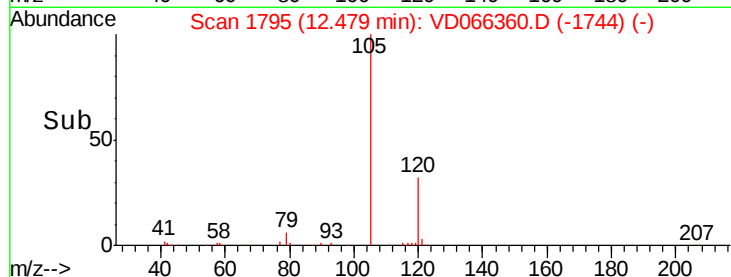
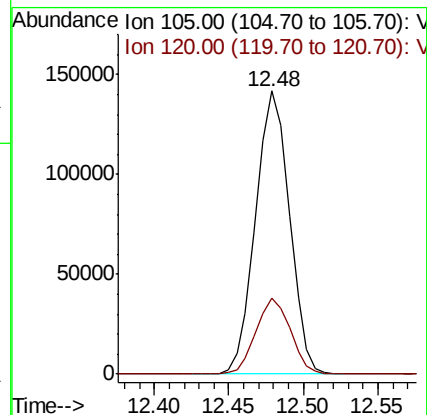
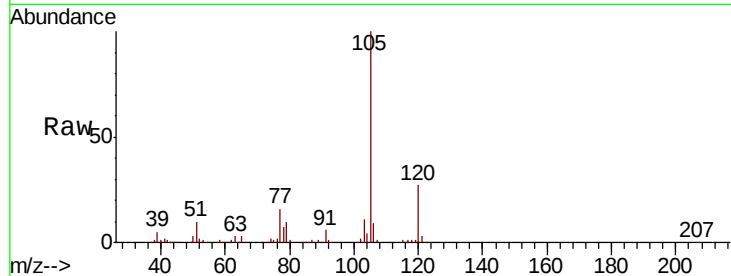
VD0821SBS01

Tot Ion:105 Resp: 222515

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.8



#74

N-ethyl acetate

Concen: 19.383 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion: 43 Resp: 39669

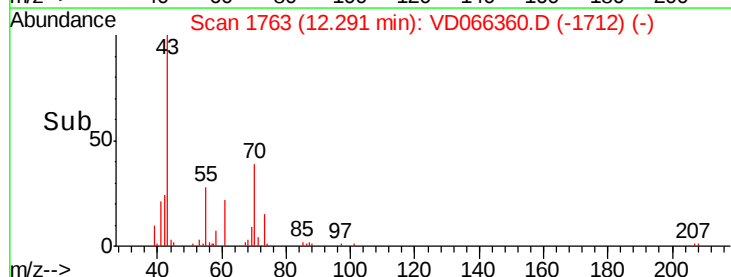
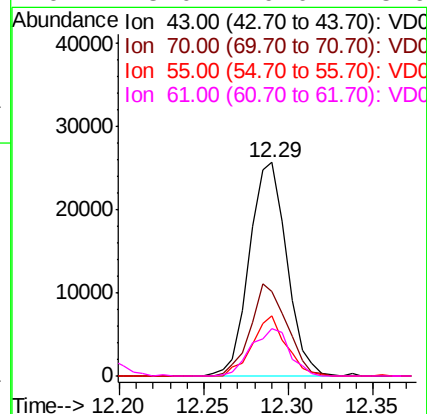
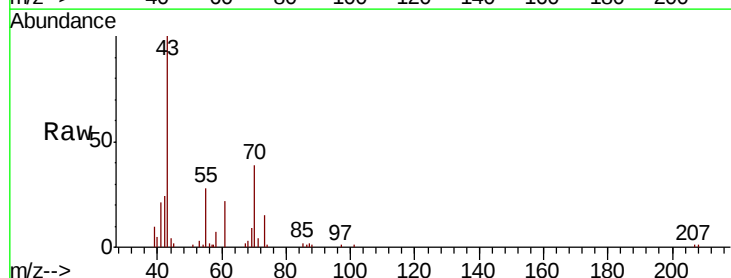
Ion Ratio Lower Upper

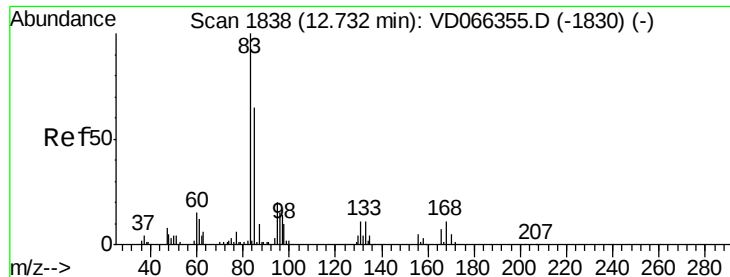
43 100

70 41.7 34.8 52.2

55 25.5 20.3 30.5

61 23.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

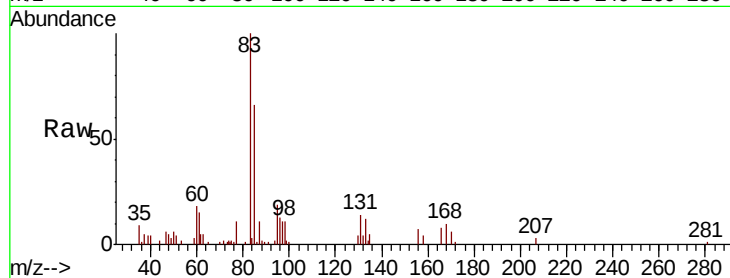
Tot Ion: 83 Resp: 31914

Ion Ratio Lower Upper

83 100

131 13.8 7.0 20.9

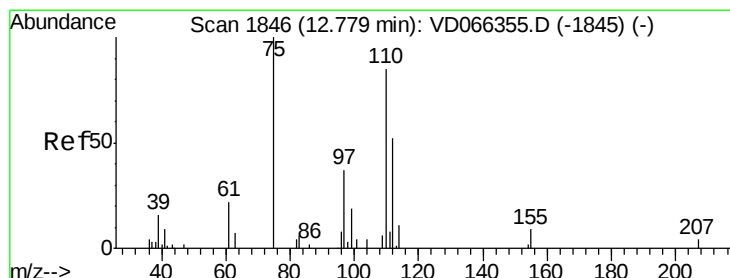
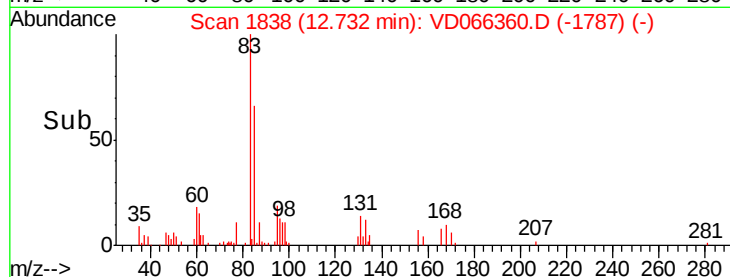
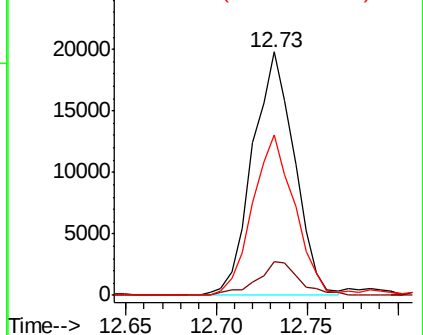
85 66.1 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 39.156 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066360.D

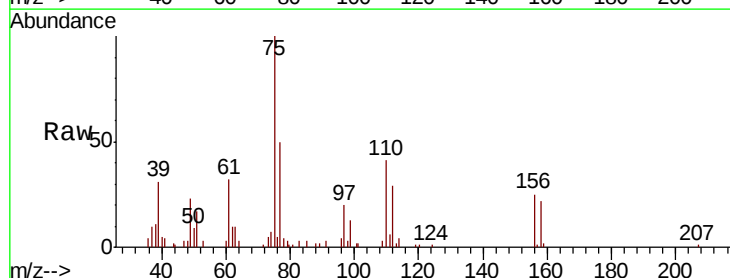
Acq: 21 Aug 2020 15:32

Tgt Ion: 75 Resp: 46594

Ion Ratio Lower Upper

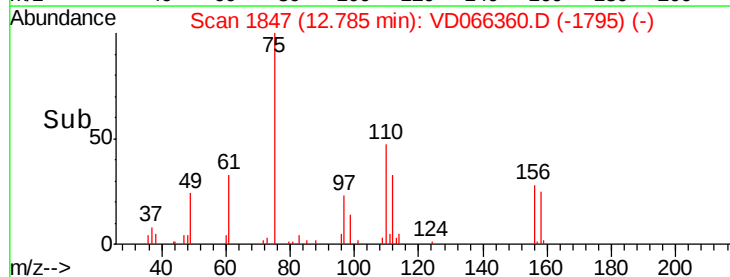
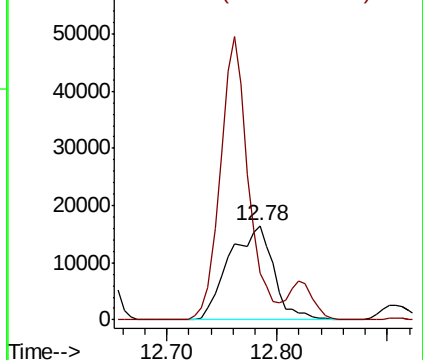
75 100

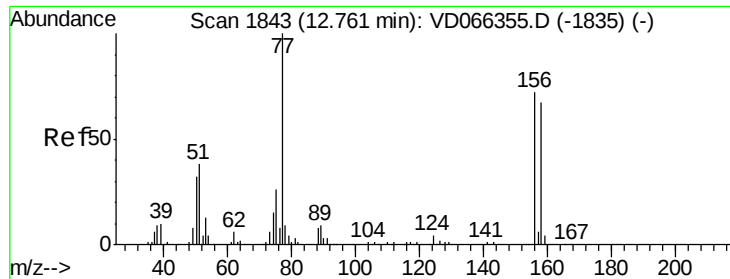
77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.448 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

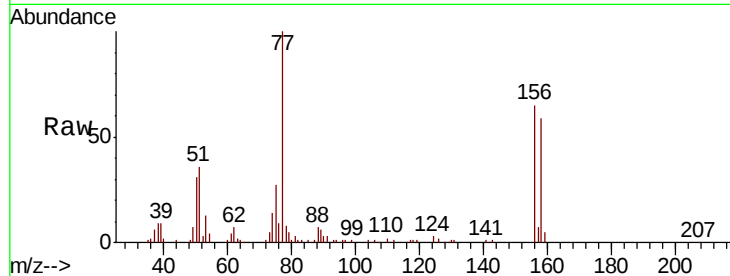
Tot Ion:156 Resp: 55931

Ion Ratio Lower Upper

156 100

77 157.6 76.1 228.3

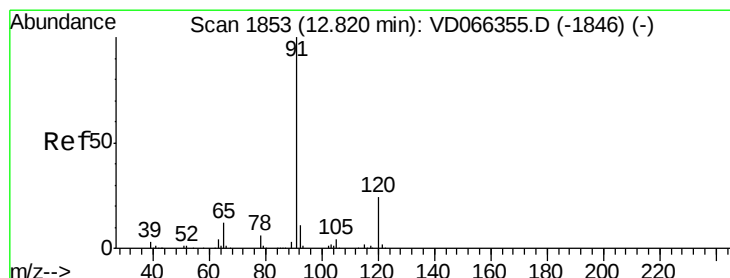
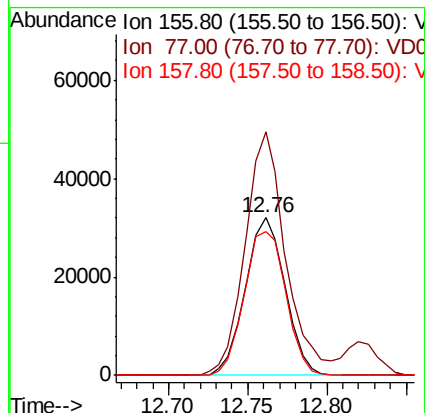
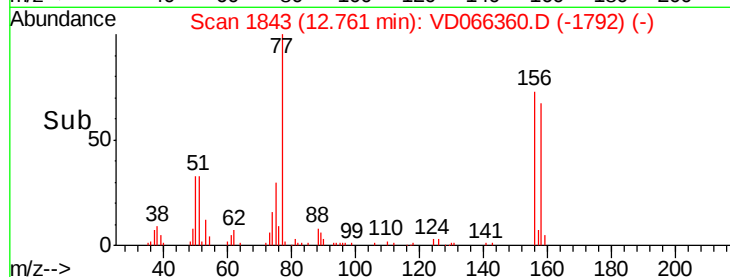
158 95.6 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.843 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066360.D

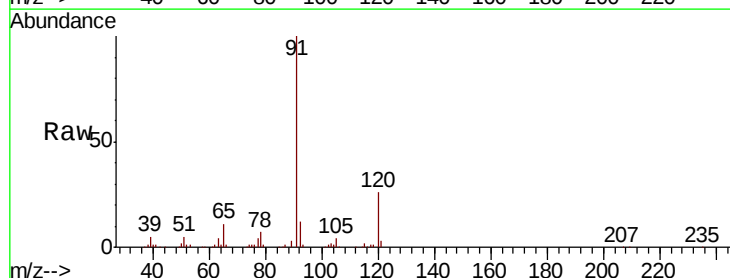
Acq: 21 Aug 2020 15:32

Tgt Ion: 91 Resp: 257807

Ion Ratio Lower Upper

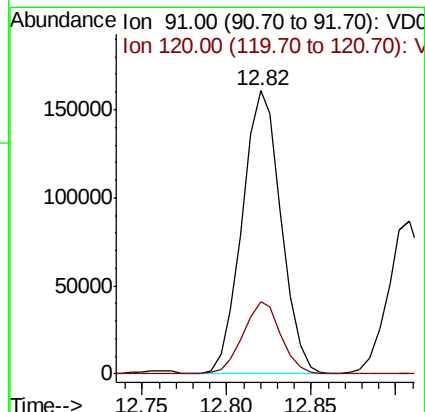
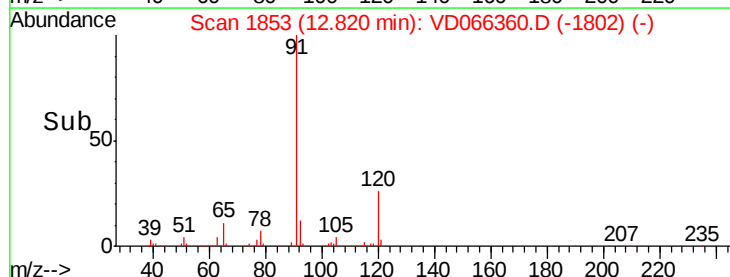
91 100

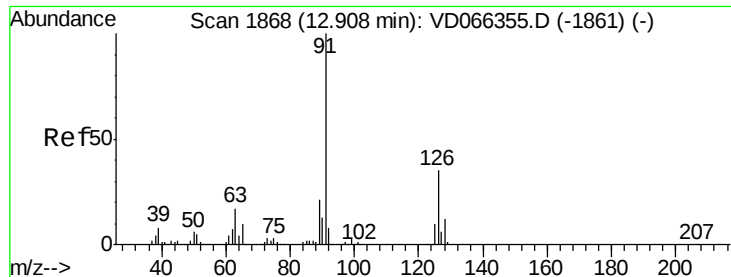
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.253 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

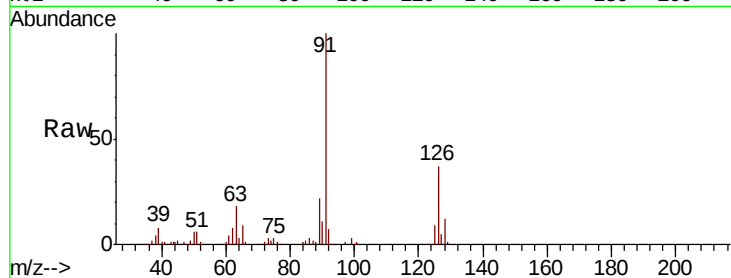
VD0821SBS01

Tot Ion: 91 Resp: 142862

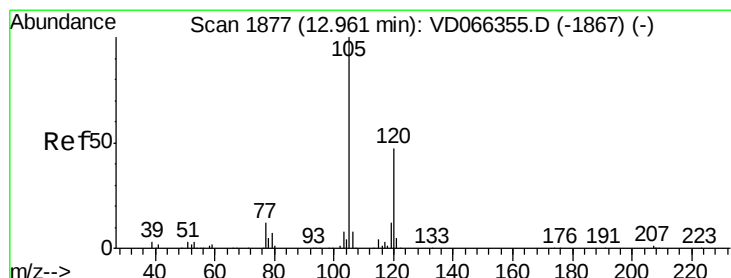
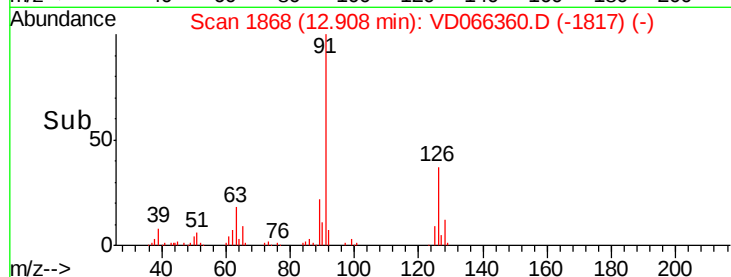
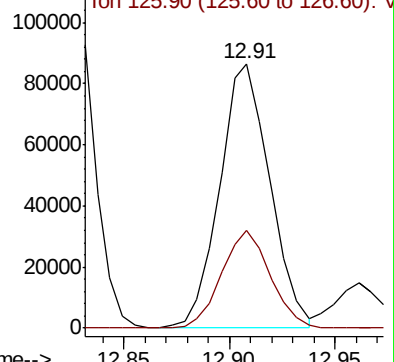
Ion Ratio Lower Upper

91 100

126 36.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.564 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066360.D

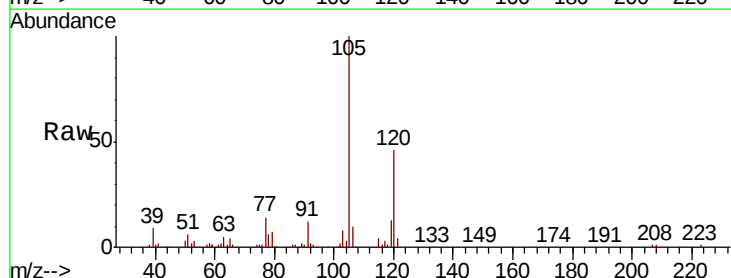
Acq: 21 Aug 2020 15:32

Tgt Ion:105 Resp: 191401

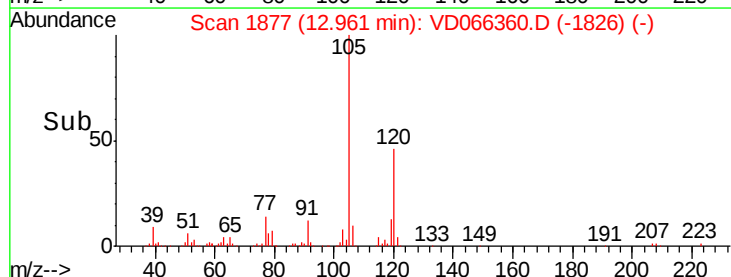
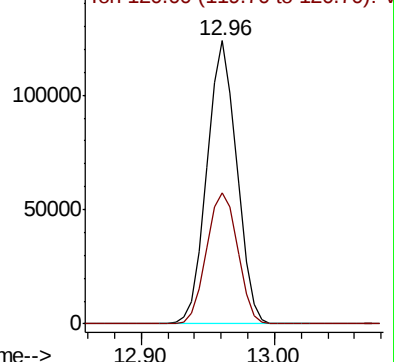
Ion Ratio Lower Upper

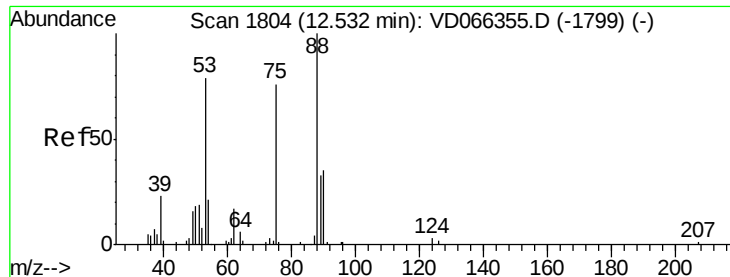
105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066355.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.885 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

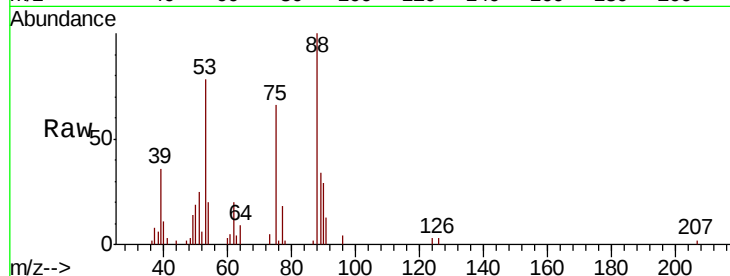
Tot Ion: 75 Resp: 10587

Ion Ratio Lower Upper

75 100

53 121.2 87.4 131.2

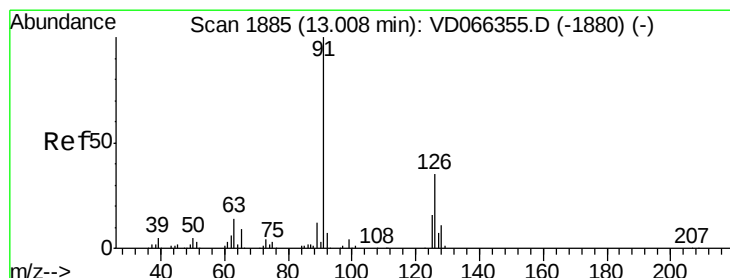
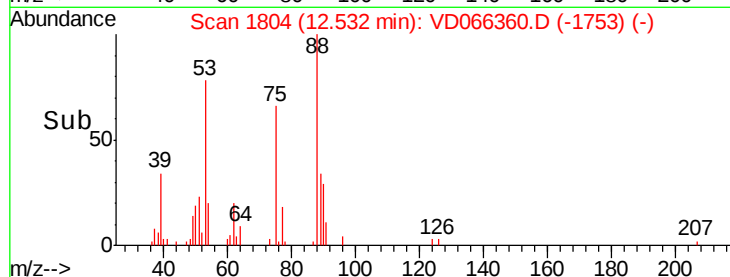
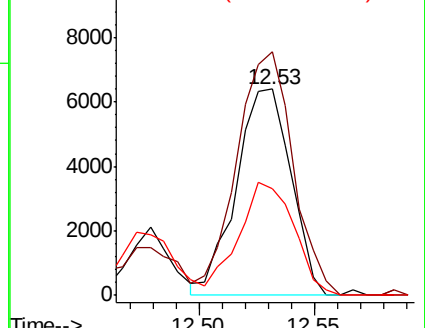
89 55.2 39.4 59.0



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: 19.022 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066360.D

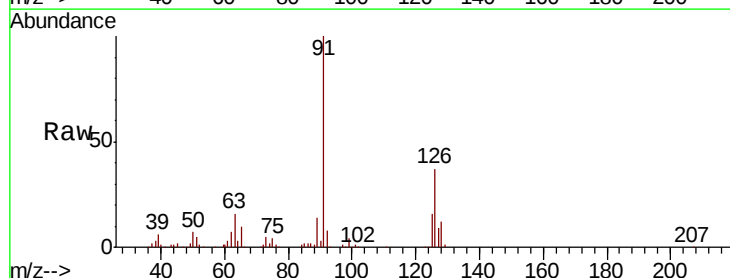
Acq: 21 Aug 2020 15:32

Tgt Ion: 91 Resp: 149549

Ion Ratio Lower Upper

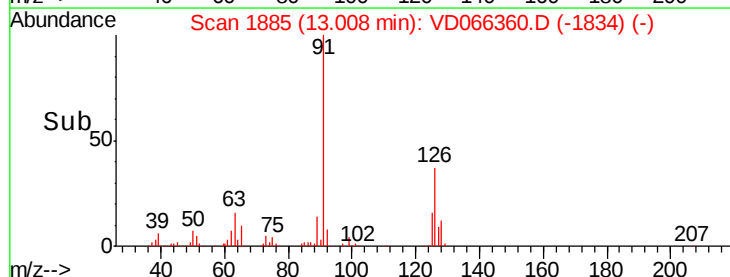
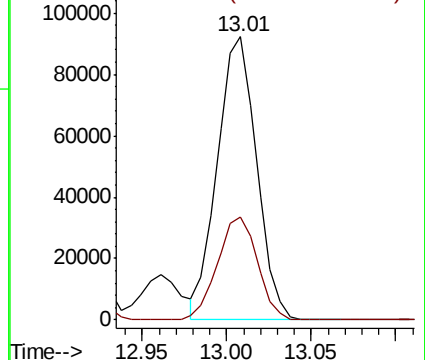
91 100

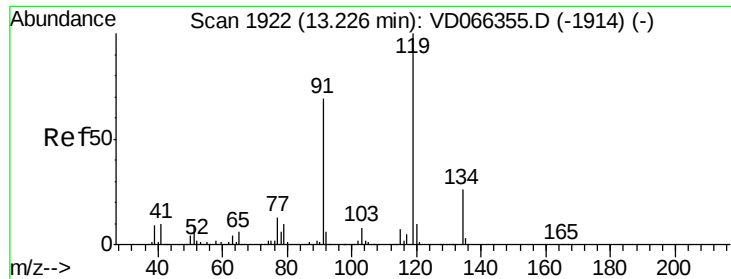
126 37.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

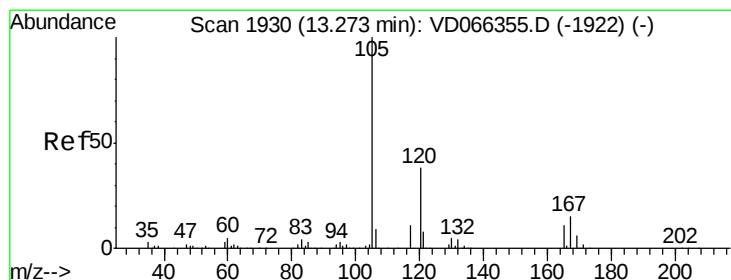
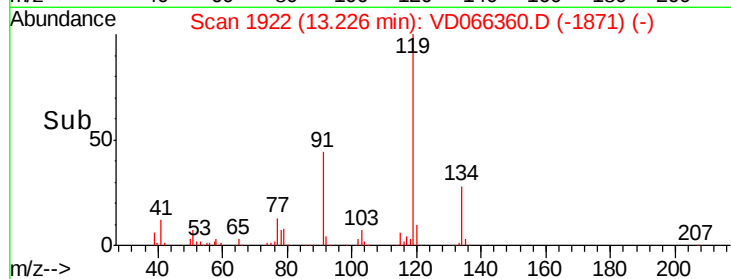
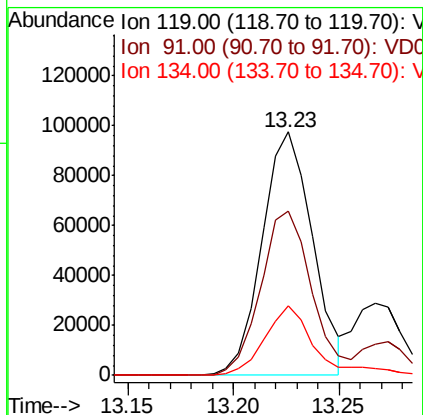
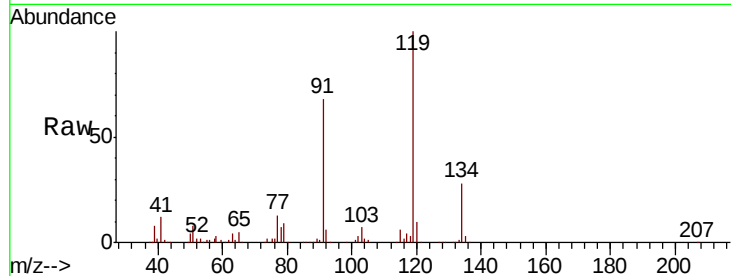




#83
tert-Butylbenzene
Concen: 19.139 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

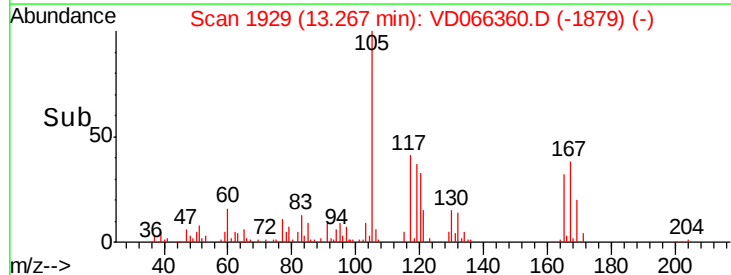
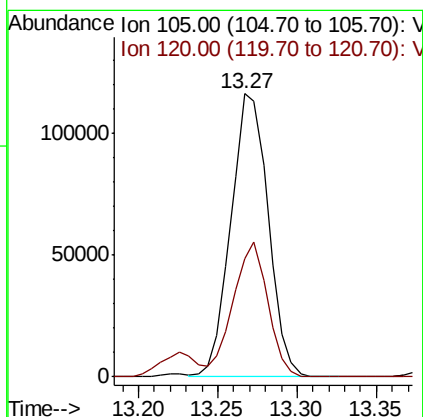
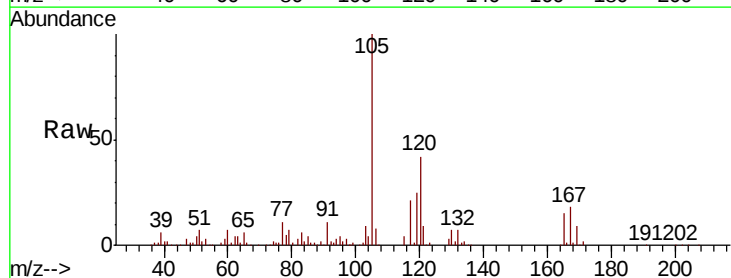
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

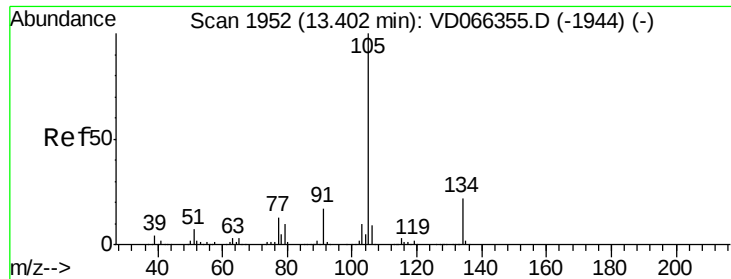
Tot Ion:119 Resp: 162642
Ion Ratio Lower Upper
119 100
91 68.2 33.5 100.5
134 28.3 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 19.813 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion:105 Resp: 190388
Ion Ratio Lower Upper
105 100
120 44.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.812 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

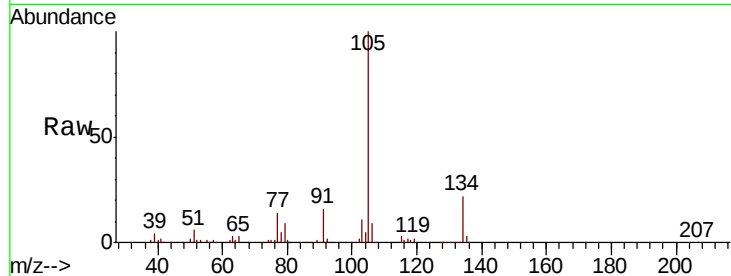
VD0821SBS01

Tot Ion:105 Resp: 220588

Ion Ratio Lower Upper

105 100

134 21.0 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

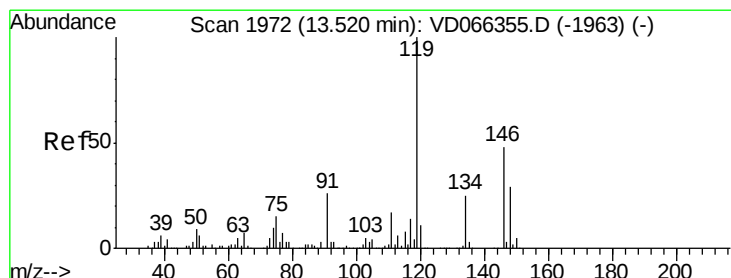
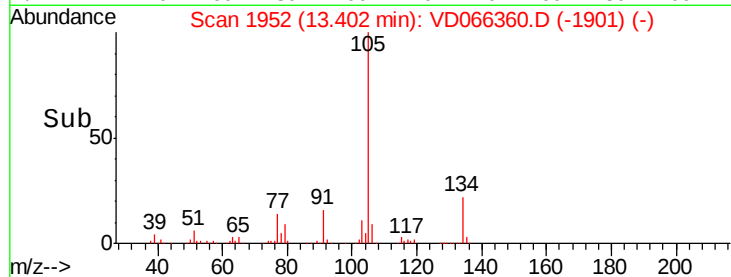
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.907 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

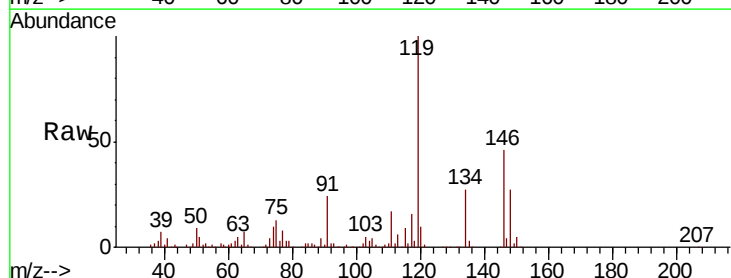
Tgt Ion:119 Resp: 213712

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.3

91 24.6 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

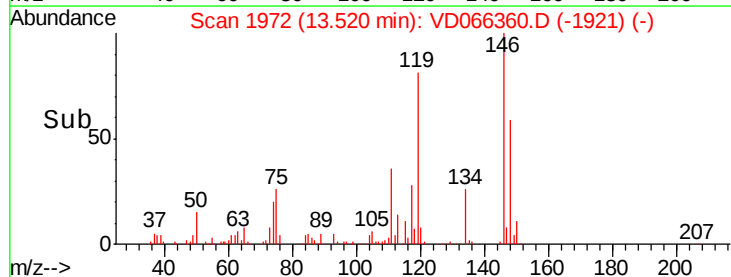
150000

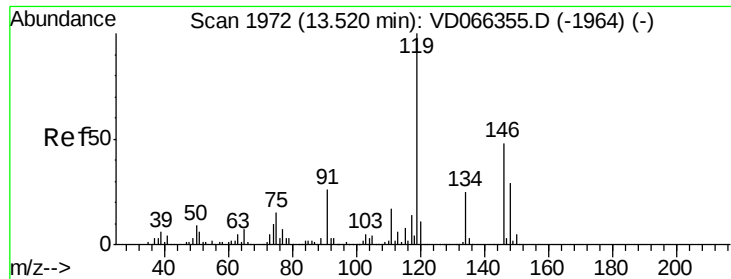
100000

50000

0

Time-->

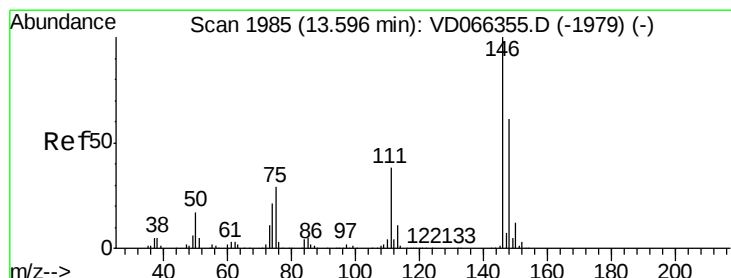
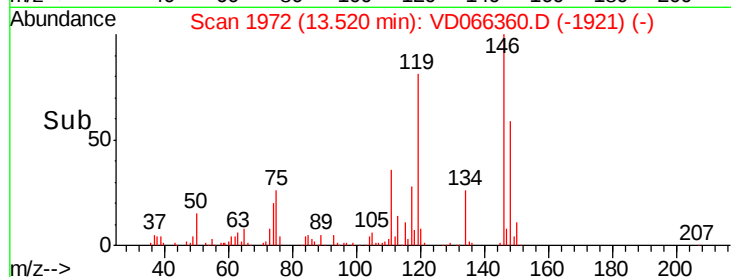
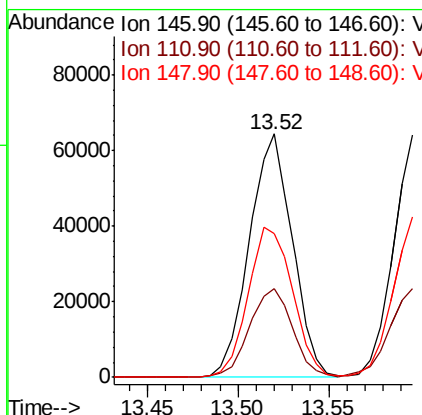
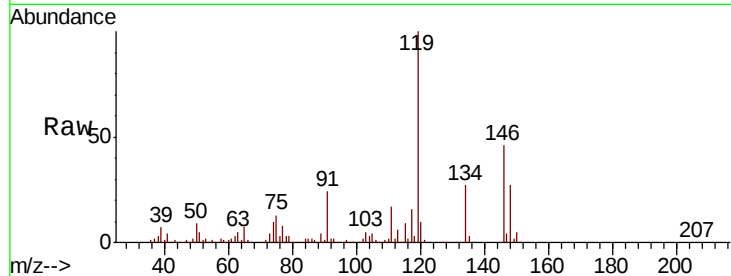




#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

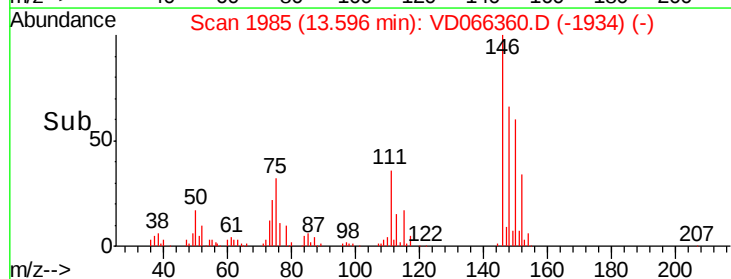
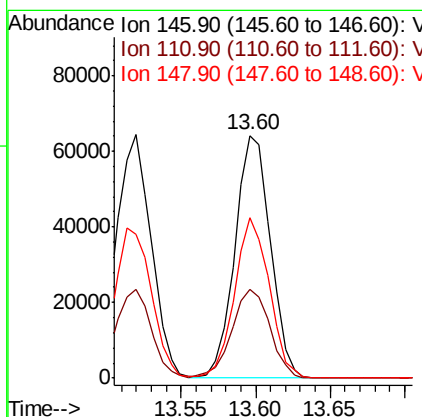
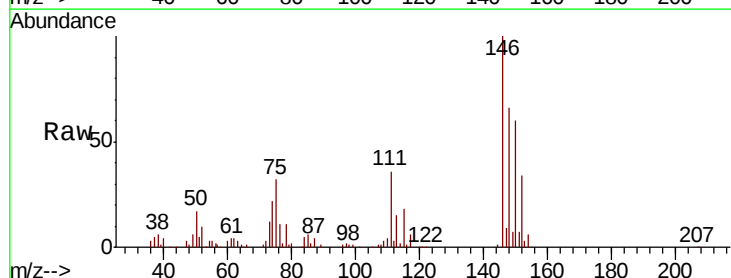
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

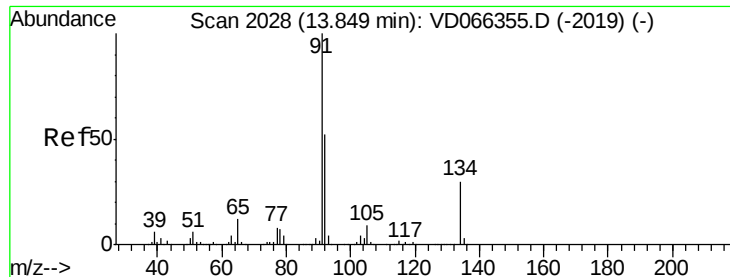
Tot Ion:146 Resp: 106247
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.9 56.9
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.668 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion:146 Resp: 106018
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.1 57.5
 148 65.0 32.1 96.3

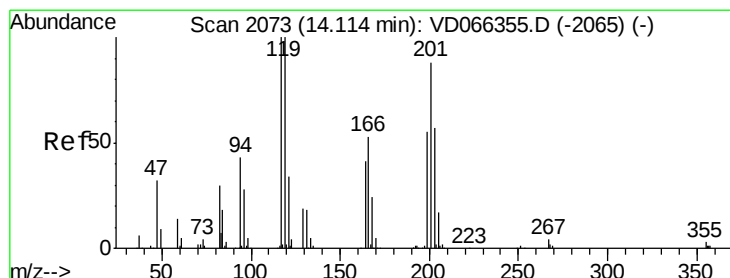
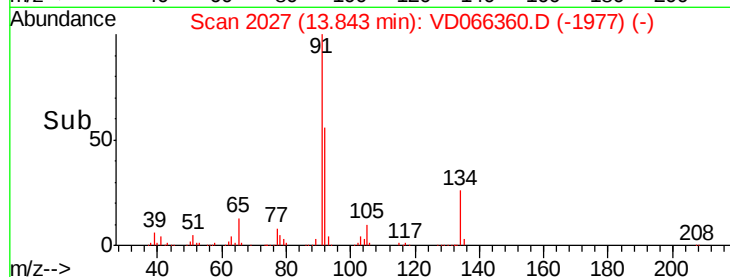
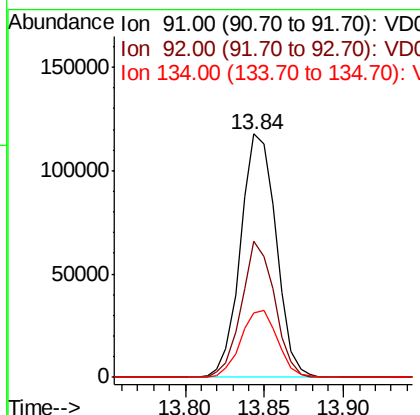
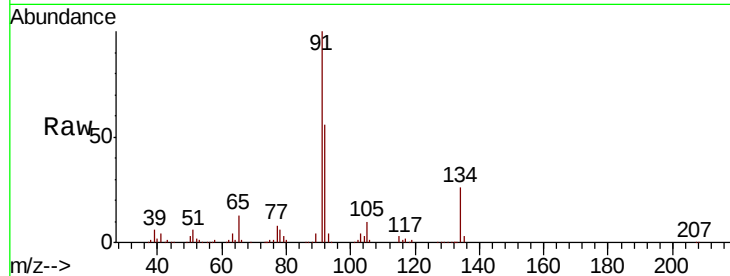




#89
n-Butylbenzene
Concen: 19.331 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

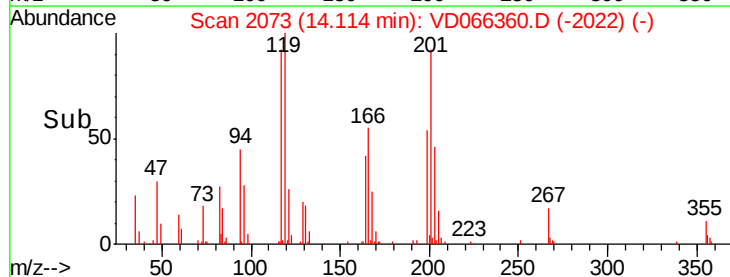
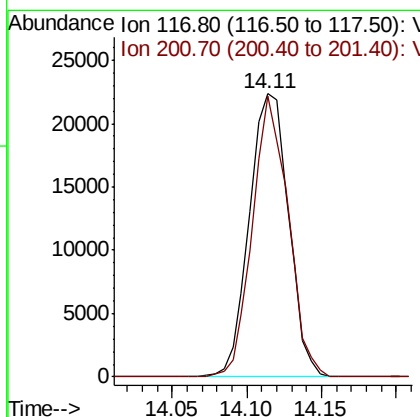
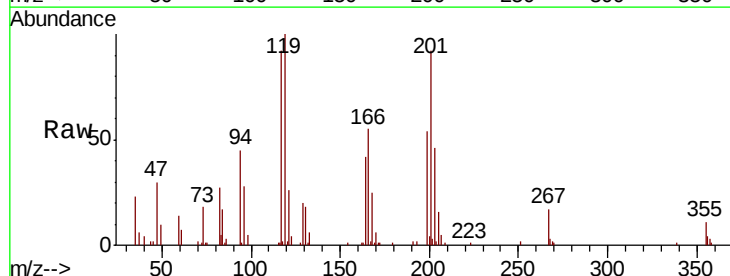
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

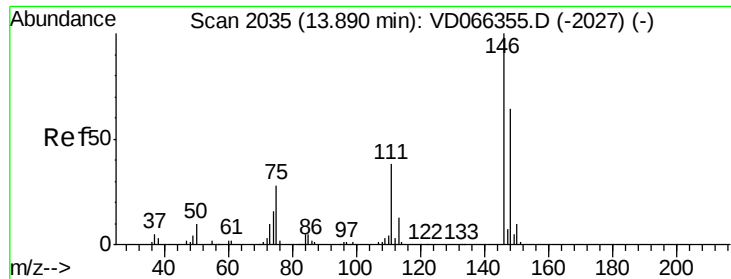
Tot Ion: 91 Resp: 183132
Ion Ratio Lower Upper
91 100
92 52.4 26.4 79.0
134 28.4 14.4 43.4



#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion: 117 Resp: 40745
Ion Ratio Lower Upper
117 100
201 90.0 45.4 136.2

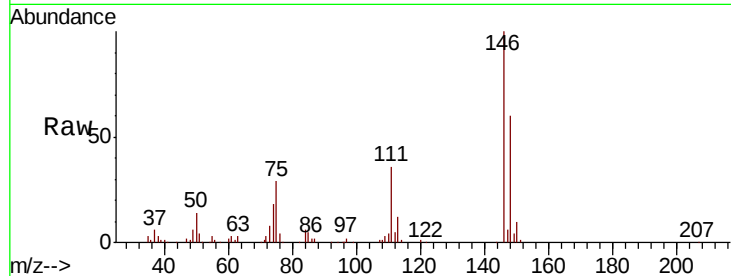




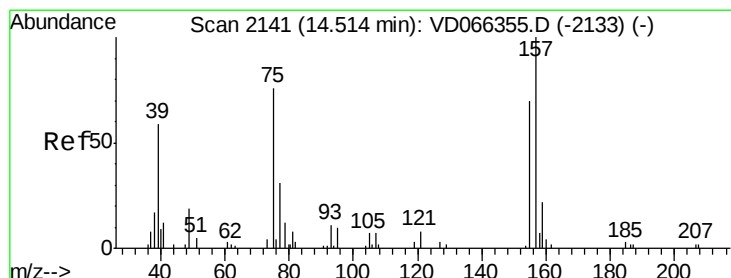
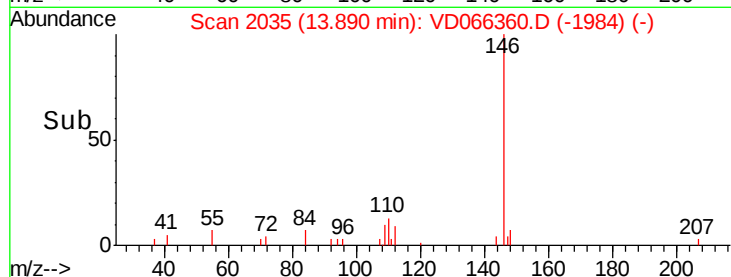
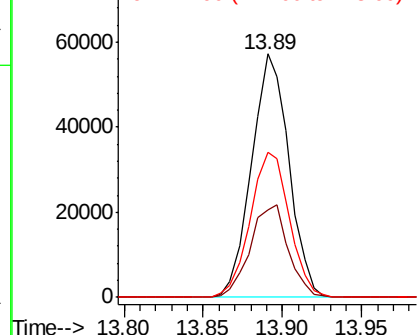
#91
 1,2-Dichlorobenzene
 Concen: 20.273 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.7
148	62.6	32.6	97.8

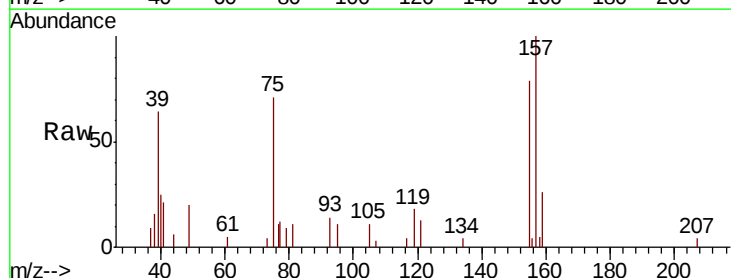


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

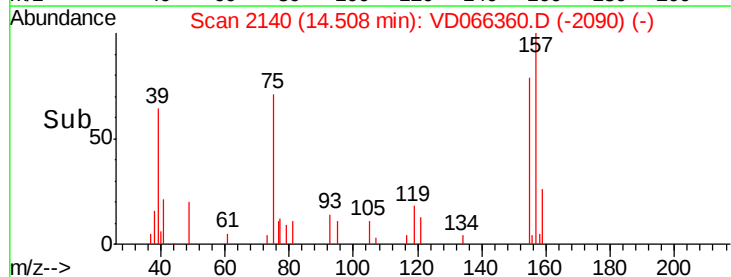
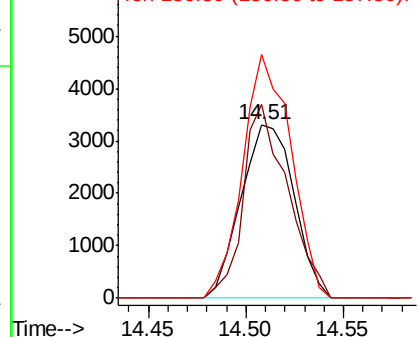


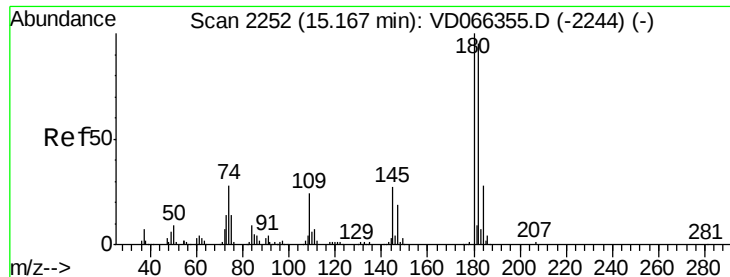
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.289 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	46.9	140.6
157	128.3	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

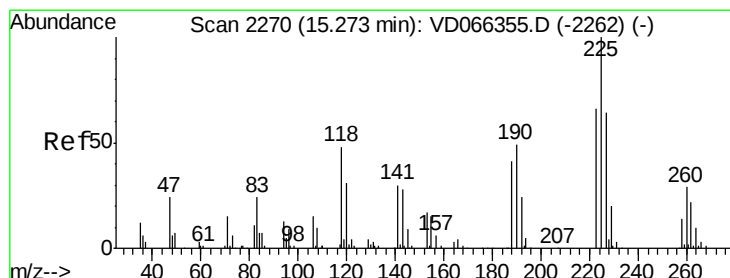
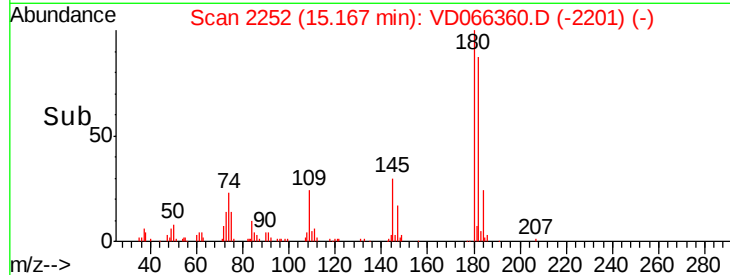
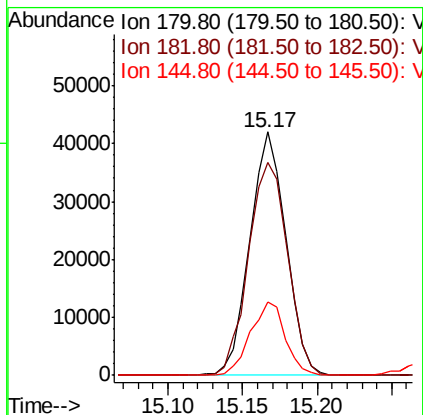
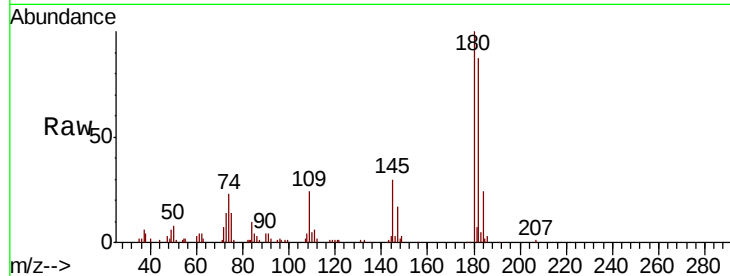




#93
 1,2,4-Trichlorobenzene
 Concen: 19.469 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

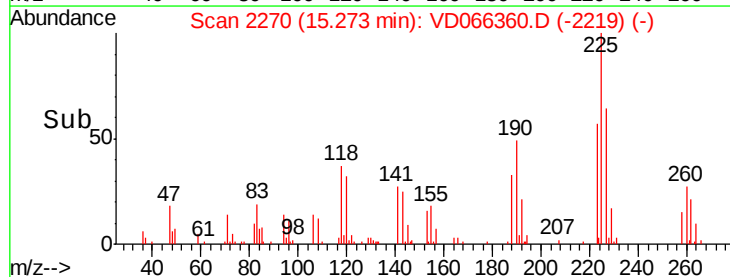
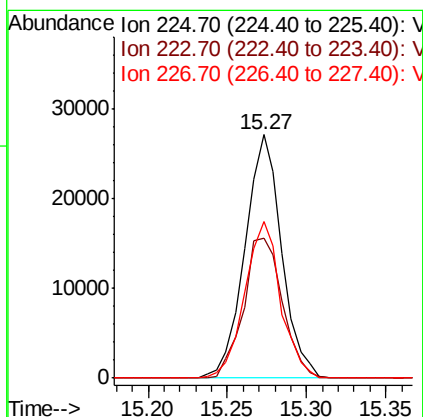
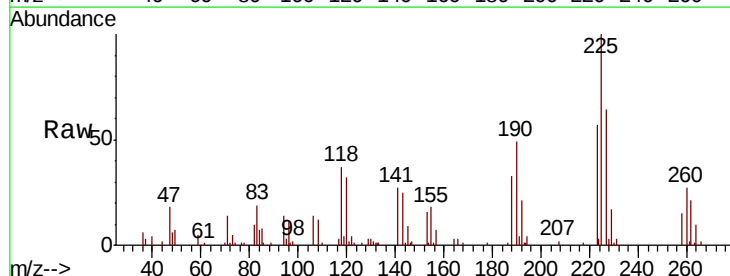
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

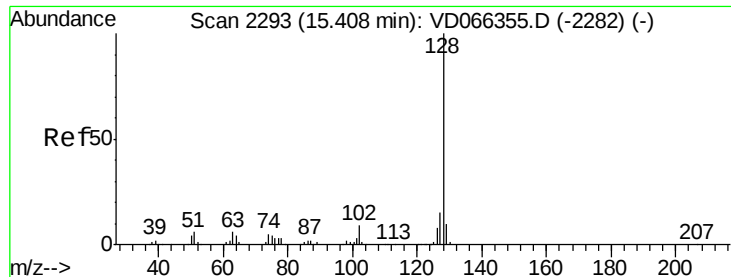
Tot Ion:180 Resp: 70244
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.0 144.0
 145 28.9 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 19.443 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion:225 Resp: 43595
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.5 97.4
 227 62.8 33.0 98.9

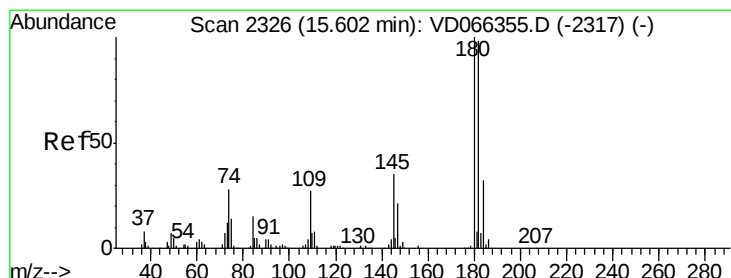
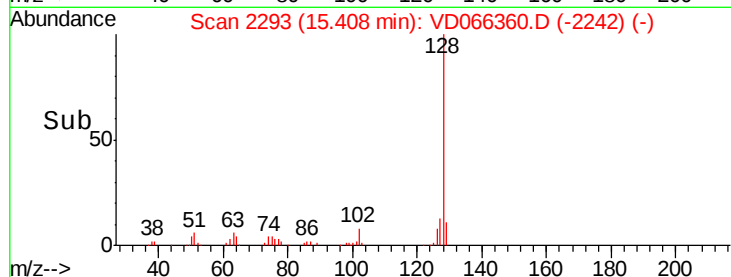
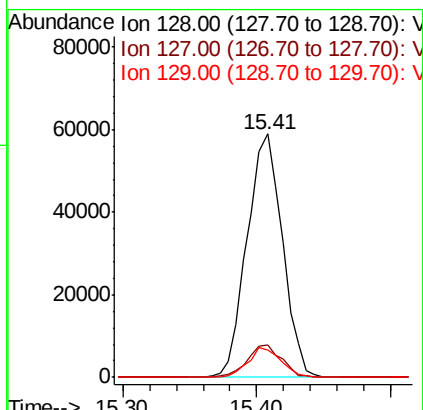
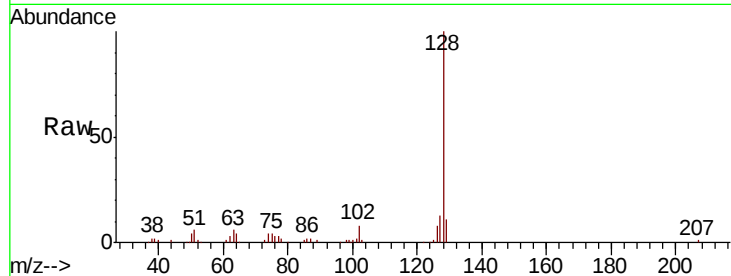




#95
Naphthalene
Concen: 19.092 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.1	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.459 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.7	140.0
145	31.7	16.0	48.0

