

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067143.D
 Acq On : 07 Oct 2020 10:59
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Quant Time: Oct 08 07:21:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	372799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	538712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	177770	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.91	113	190412	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.34	98	690956	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.63	95	244488	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78017	23.353	ug/l	99
3) Chloromethane	2.21	50	54753	18.442	ug/l	100
4) Vinyl Chloride	2.35	62	56109	18.848	ug/l	98
5) Bromomethane	2.76	94	42768	19.660	ug/l	97
6) Chloroethane	2.92	64	35356	19.502	ug/l	93
7) Trichlorofluoromethane	3.27	101	133832	20.235	ug/l	98
8) Diethyl Ether	3.70	74	30098	18.351	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75338	20.153	ug/l	98
10) Methyl Iodide	4.30	142	67649	18.624	ug/l	99
11) Tert butyl alcohol	5.21	59	24280	82.899	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	69876	19.884	ug/l	83
13) Acrolein	3.91	56	19022	79.114	ug/l	99
14) Allyl chloride	4.71	41	77638	17.006	ug/l	91
15) Acrylonitrile	5.42	53	55751	92.359	ug/l	99
16) Acetone	4.16	43	52004	94.874	ug/l	99
17) Carbon Disulfide	4.40	76	200399	18.581	ug/l	96
18) Methyl Acetate	4.71	43	25816	18.739	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	125630	19.583	ug/l	97
20) Methylene Chloride	4.97	84	89806	18.506	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	76942	19.238	ug/l	93
22) Diisopropyl ether	6.36	45	154731	18.565	ug/l	95
23) Vinyl Acetate	6.30	43	424452	89.870	ug/l	96
24) 1,1-Dichloroethane	6.26	63	120633	18.754	ug/l	98
25) 2-Butanone	7.21	43	67048	86.276	ug/l	90
26) 2,2-Dichloropropane	7.21	77	118354	18.957	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	83651	19.584	ug/l	99
28) Bromochloromethane	7.54	49	43607	17.555	ug/l	94
29) Tetrahydrofuran	7.56	42	37543	84.018	ug/l	88
30) Chloroform	7.71	83	142148	20.372	ug/l	92
31) Cyclohexane	7.99	56	96225	17.844	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	132840	20.542	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103804	19.697	ug/l	98
37) Ethyl Acetate	7.29	43	33839	18.535	ug/l	95
38) Carbon Tetrachloride	8.10	117	128834	22.594	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	111528	20.016	ug/l	94
40) Benzene	8.35	78	291579	19.919	ug/l	99
41) Methacrylonitrile	7.53	41	18285	18.538	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	88150	21.551	ug/l	97
43) Isopropyl Acetate	8.45	43	61907	18.406	ug/l	94
44) Trichloroethene	9.11	130	92495	21.161	ug/l	96
45) 1,2-Dichloropropane	9.39	63	69569	20.227	ug/l	98
46) Dibromomethane	9.47	93	41053	20.768	ug/l	95
47) Bromodichloromethane	9.66	83	109403	21.291	ug/l	95
48) Methyl methacrylate	9.46	41	29224	16.960	ug/l #	73
49) 1,4-Dioxane	9.46	88	7512	364.105	ug/l #	96
51) 4-Methyl-2-Pentanone	10.23	43	155230	92.659	ug/l	98
52) Toluene	10.40	92	199317	21.138	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	97155	21.155	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	114506	20.419	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	55557	20.215	ug/l	97
56) Ethyl methacrylate	10.66	69	59078	20.821	ug/l	95
57) 1,3-Dichloropropane	10.94	76	93735	21.032	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	166174	105.220	ug/l	99
59) 2-Hexanone	10.98	43	106848	95.557	ug/l	97
60) Dibromochloromethane	11.14	129	81314	22.198	ug/l	97
61) 1,2-Dibromoethane	11.24	107	55622	21.066	ug/l	97
64) Tetrachloroethene	10.87	164	78966	20.163	ug/l	97
65) Chlorobenzene	11.67	112	214310	20.002	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	84806	20.808	ug/l	99
67) Ethyl Benzene	11.74	91	369105	20.106	ug/l	96
68) m/p-Xylenes	11.86	106	290579	40.616	ug/l	97
69) o-Xylene	12.18	106	131220	20.510	ug/l	95
70) Styrene	12.20	104	229360	20.878	ug/l	99
71) Bromoform	12.36	173	44584	21.074	ug/l #	98
73) Isopropylbenzene	12.48	105	371367	20.761	ug/l	100
74) N-amyl acetate	12.29	43	57550	17.897	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	59945	19.890	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	77424	33.741	ug/l #	100
77) Bromobenzene	12.76	156	92553	21.428	ug/l	93
78) n-propylbenzene	12.83	91	435264	20.589	ug/l	99
79) 2-Chlorotoluene	12.91	91	250559	20.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	318884	21.100	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	17318	18.816	ug/l	100
82) 4-Chlorotoluene	13.01	91	263994	20.514	ug/l	100
83) tert-Butylbenzene	13.23	119	271717	21.350	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	317811	21.072	ug/l	97
85) sec-Butylbenzene	13.41	105	369863	20.637	ug/l	99
86) p-Isopropyltoluene	13.52	119	351936	21.180	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	176494	20.978	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	176620	20.995	ug/l	98
89) n-Butylbenzene	13.85	91	305957	20.148	ug/l	99
90) Hexachloroethane	14.12	117	57941	19.907	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	149482	20.344	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9258	19.056	ug/l	90

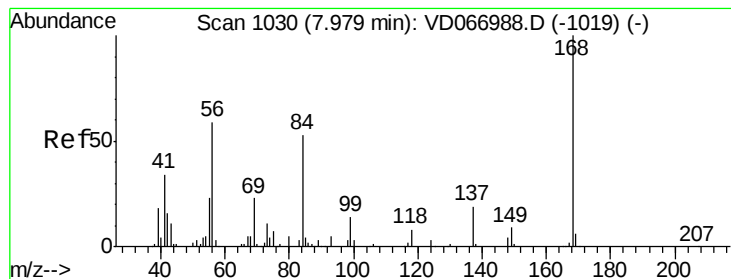
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QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101128	21.278	ug/l	98
94) Hexachlorobutadiene	15.28	225	61511	21.074	ug/l	97
95) Naphthalene	15.41	128	156483	19.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	86131	20.877	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

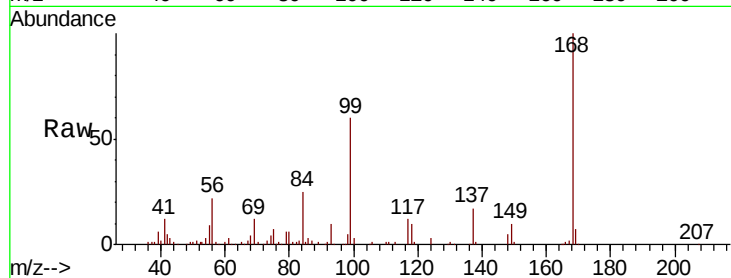
VD1007SBS01

Tot Ion:168 Resp: 372799

Ion Ratio Lower Upper

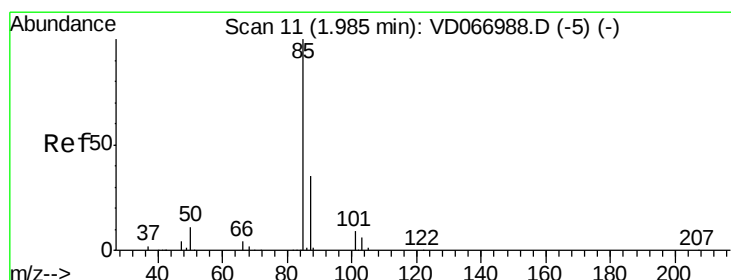
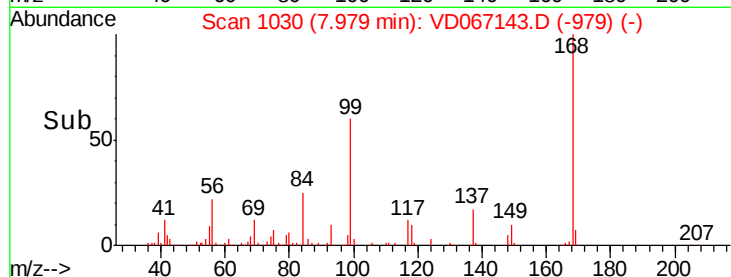
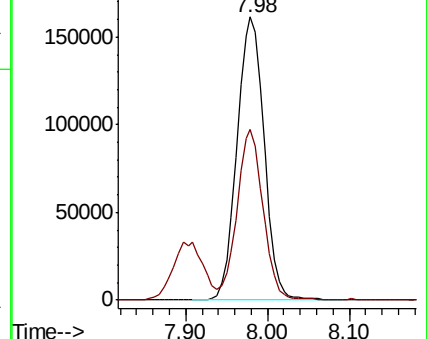
168 100

99 59.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.353 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067143.D

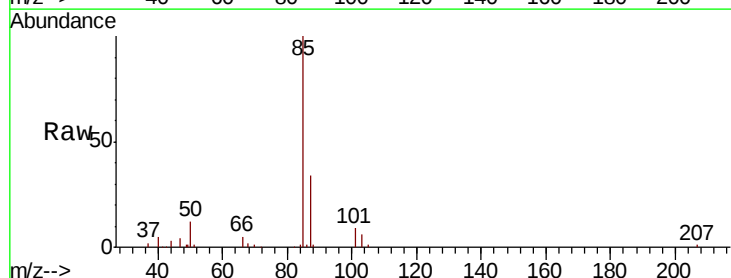
Acq: 07 Oct 2020 10:59

Tgt Ion: 85 Resp: 78017

Ion Ratio Lower Upper

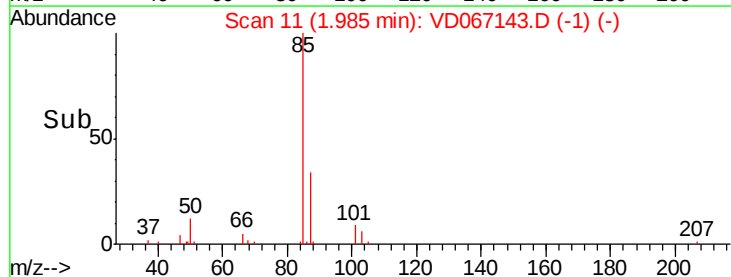
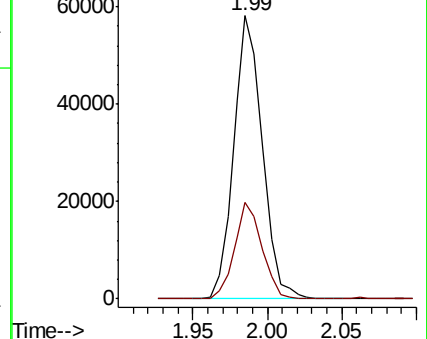
85 100

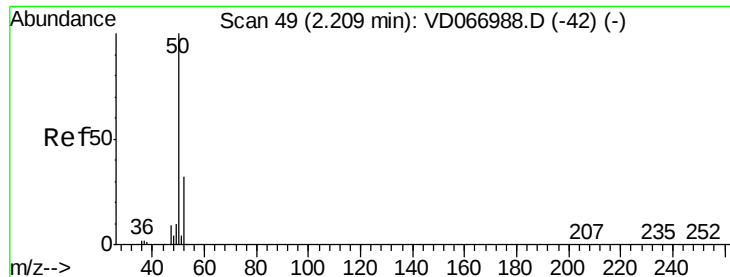
87 34.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.442 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

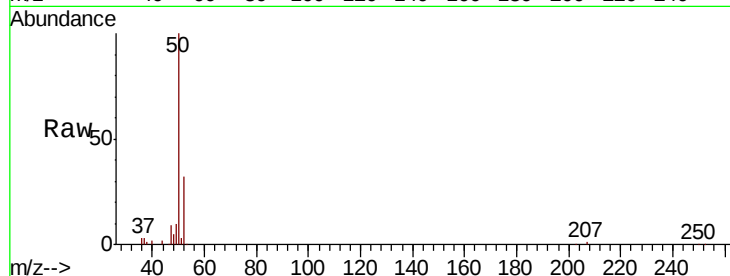
VD1007SBS01

Tot Ion: 50 Resp: 54753

Ion Ratio Lower Upper

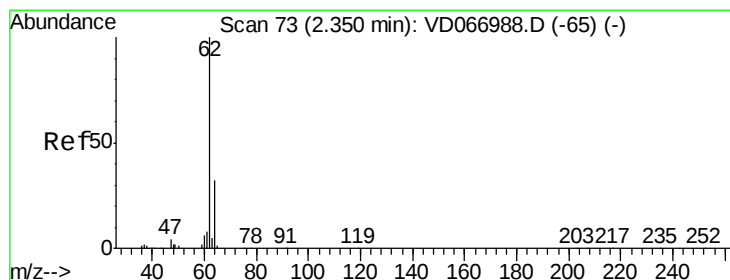
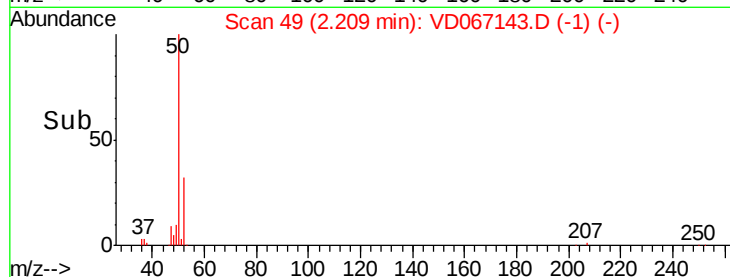
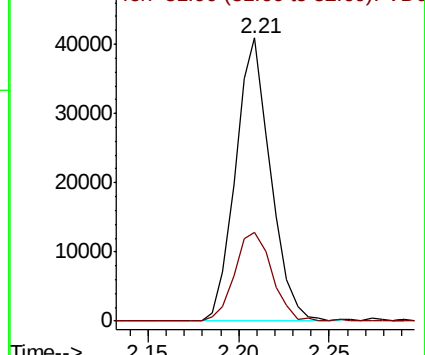
50 100

52 31.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.848 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067143.D

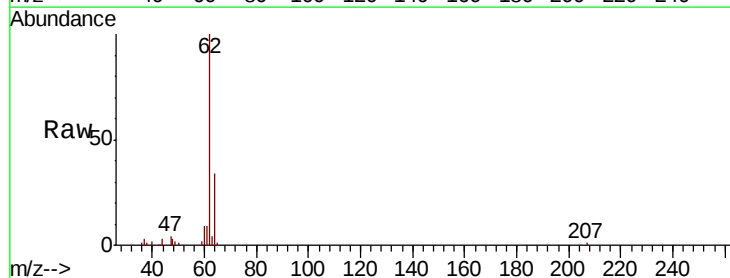
Acq: 07 Oct 2020 10:59

Tgt Ion: 62 Resp: 56109

Ion Ratio Lower Upper

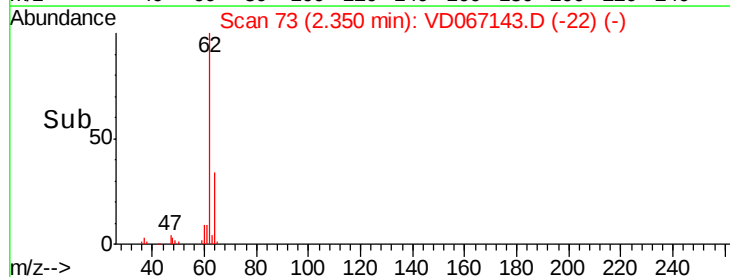
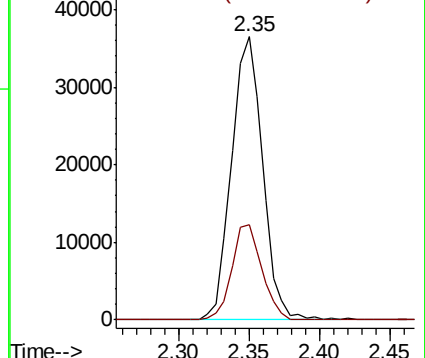
62 100

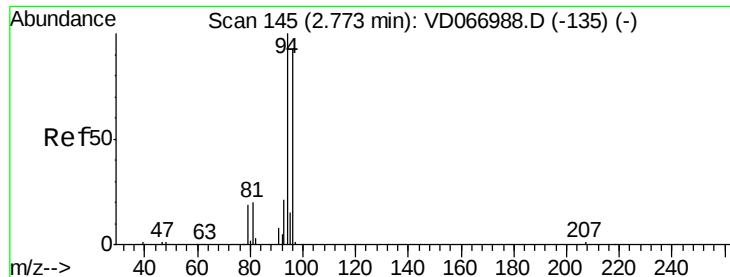
64 33.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.660 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

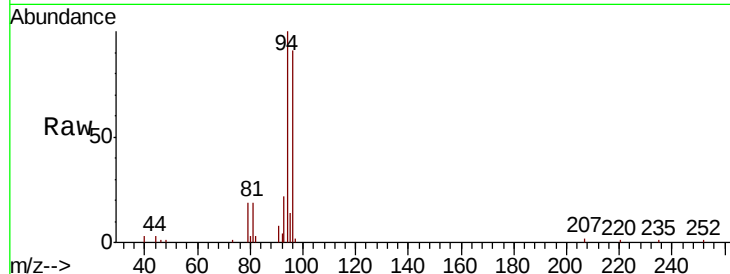
VD1007SBS01

Tot Ion: 94 Resp: 42768

Ion Ratio Lower Upper

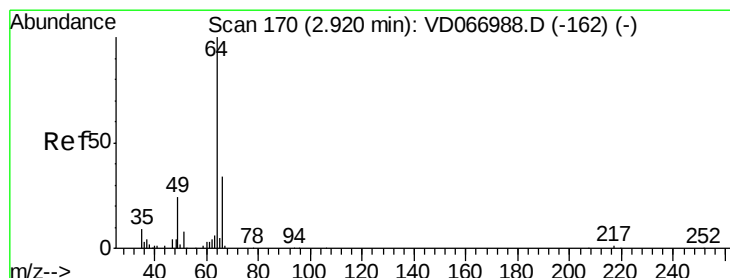
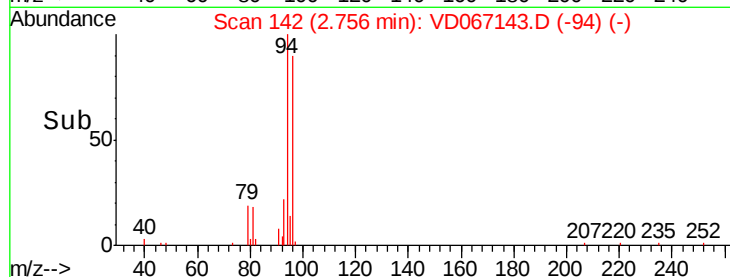
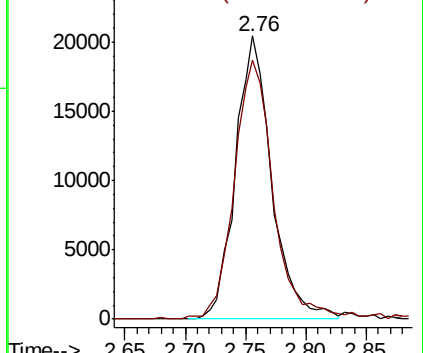
94 100

96 90.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.502 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067143.D

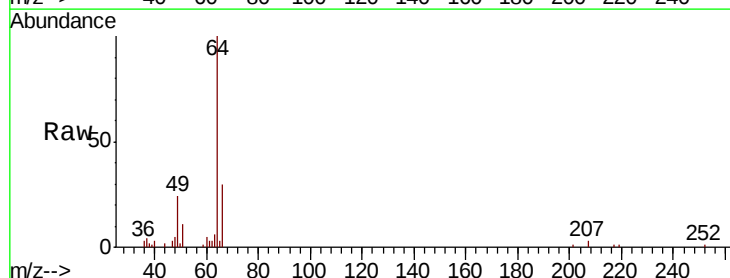
Acq: 07 Oct 2020 10:59

Tgt Ion: 64 Resp: 35356

Ion Ratio Lower Upper

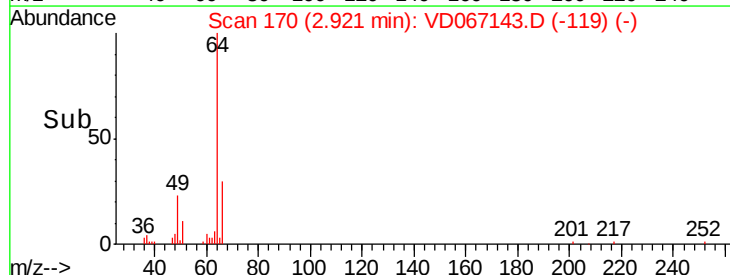
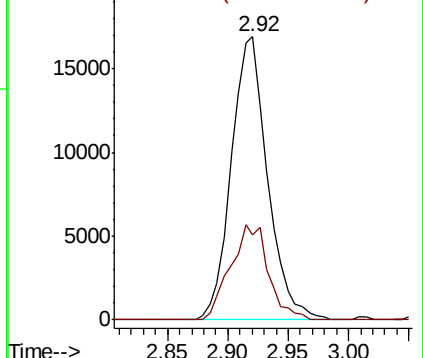
64 100

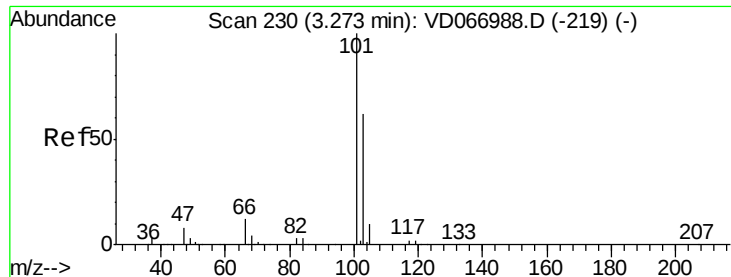
66 29.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.235 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD067143.D

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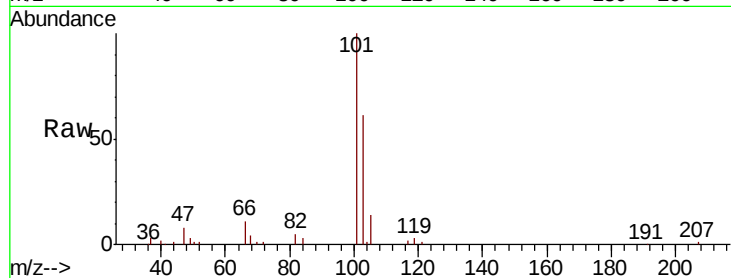
VD1007SBS01

Tot Ion:101 Resp: 133832

Ion Ratio Lower Upper

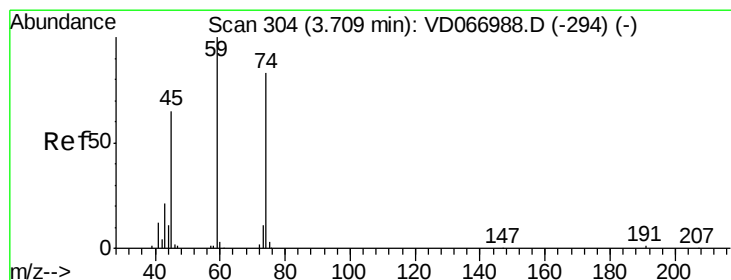
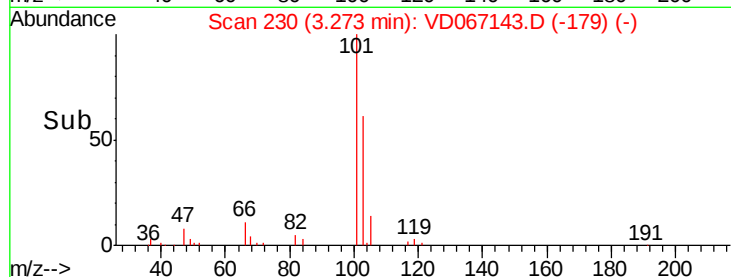
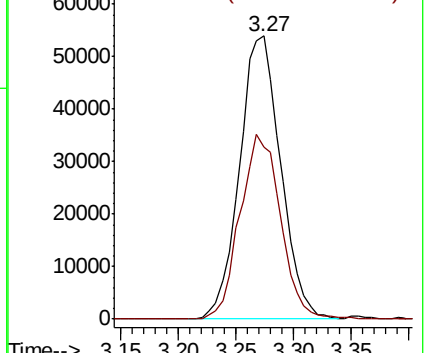
101 100

103 60.9 49.8 74.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.351 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD067143.D

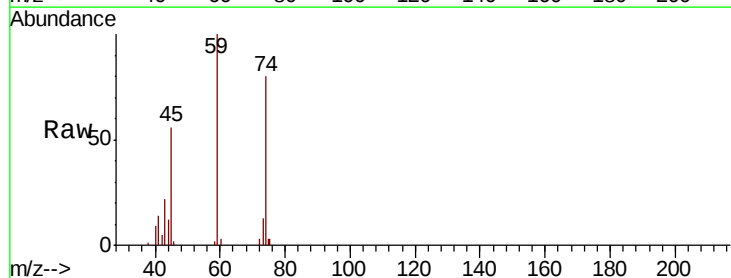
Acq: 07 Oct 2020 10:59

Tgt Ion: 74 Resp: 30098

Ion Ratio Lower Upper

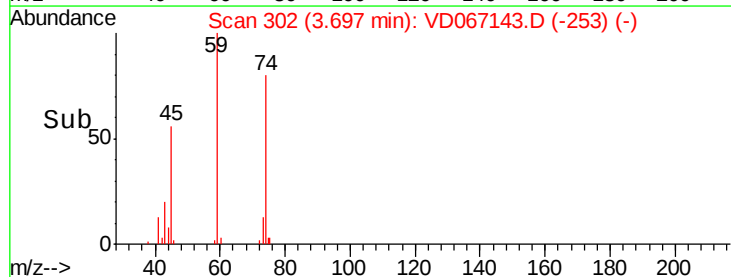
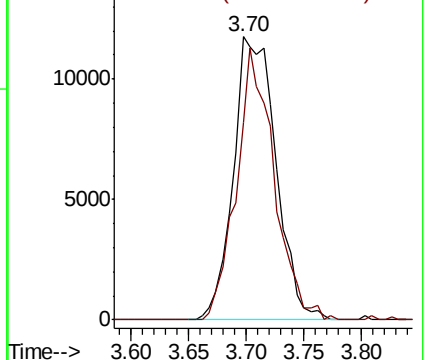
74 100

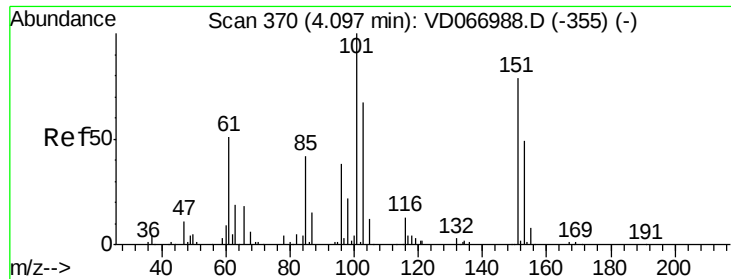
45 84.8 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.153 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

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VD1007SBS01

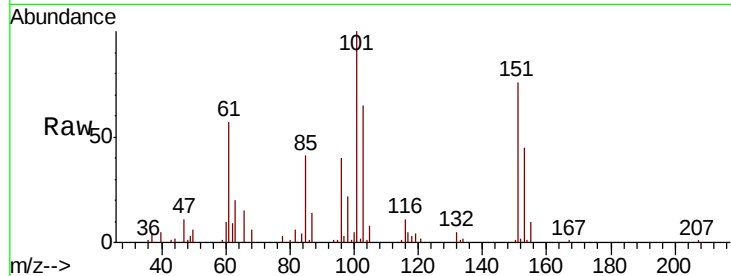
Tot Ion:101 Resp: 75338

Ion Ratio Lower Upper

101 100

85 41.3 33.8 50.8

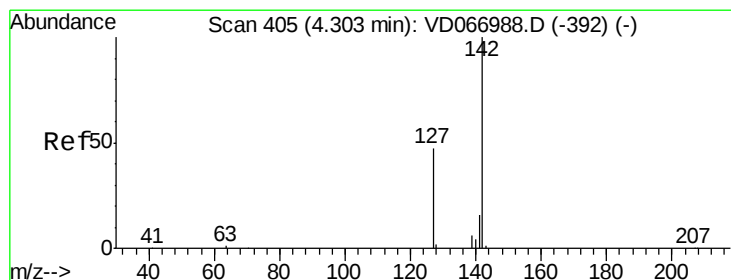
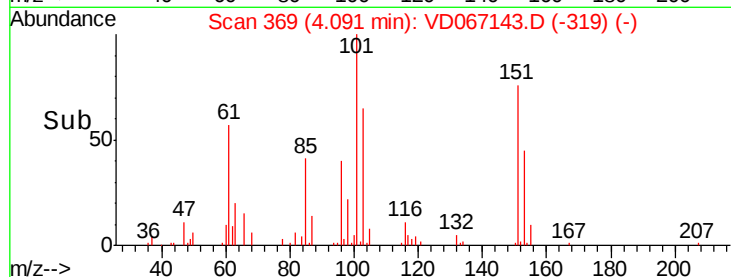
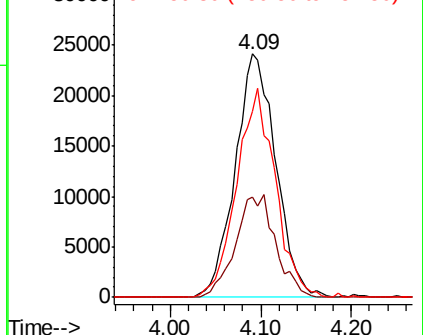
151 81.6 63.8 95.8



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: 18.624 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

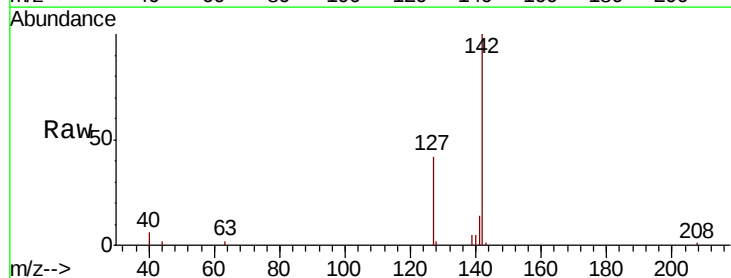
Tgt Ion:142 Resp: 67649

Ion Ratio Lower Upper

142 100

127 44.4 36.3 54.5

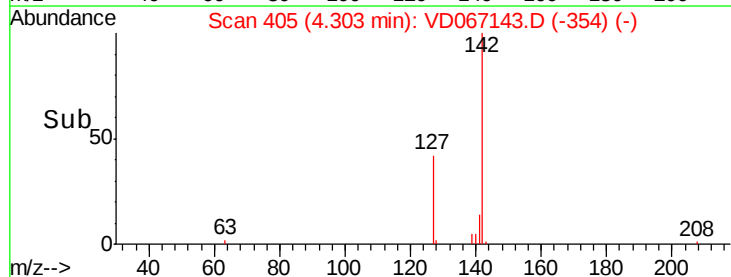
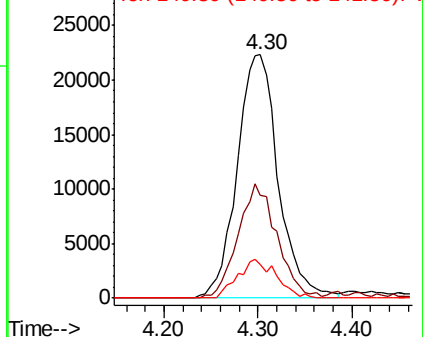
141 14.9 12.0 18.0

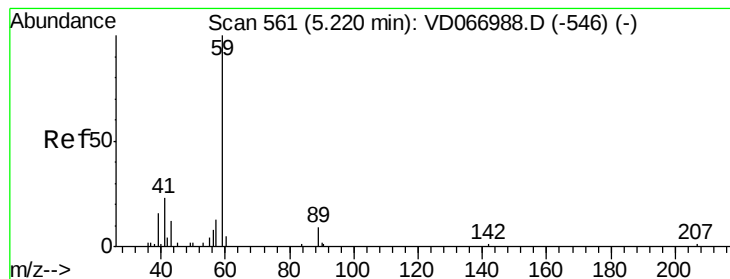


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 82.899 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

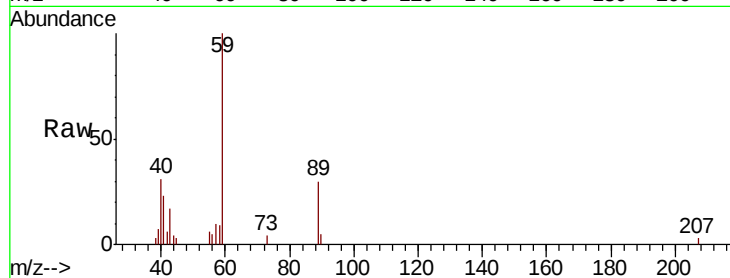
VD1007SBS01

Tot Ion: 59 Resp: 24280

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

6000

5000

4000

3000

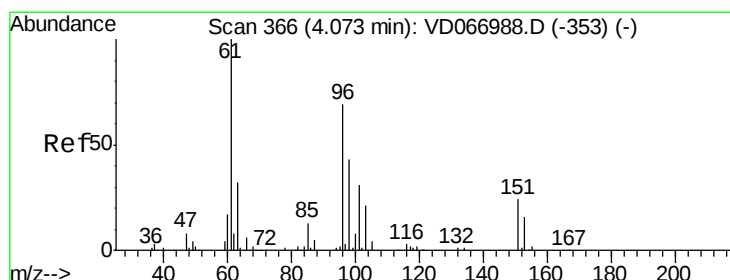
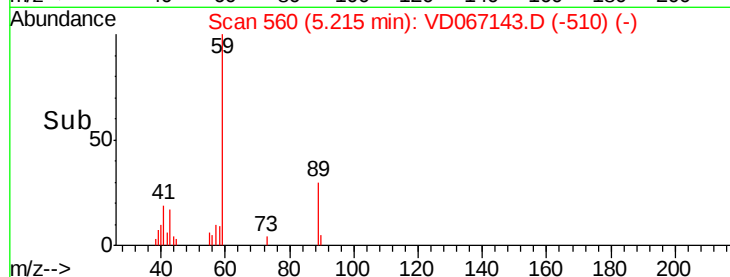
2000

1000

0

5.10 5.20 5.30

Time-->



#12

1,1-Dichloroethene

Concen: 19.884 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

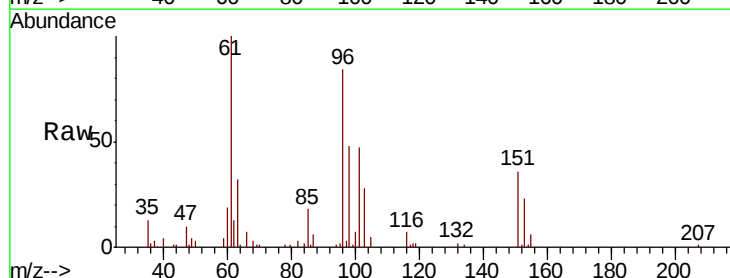
Tgt Ion: 96 Resp: 69876

Ion Ratio Lower Upper

96 100

61 118.9 116.4 174.6

98 57.5 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

50000

40000

30000

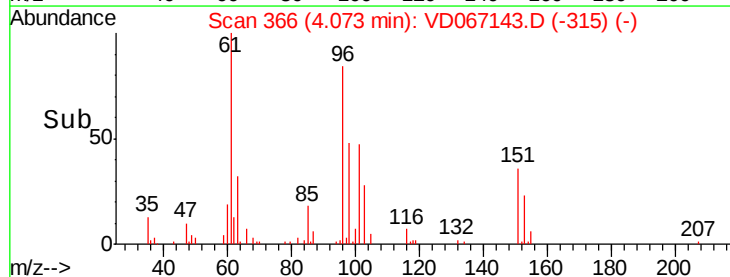
20000

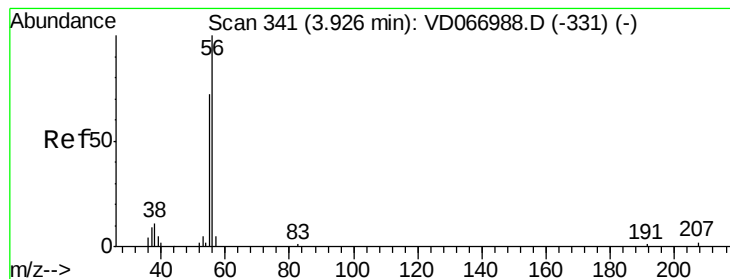
10000

0

4.00 4.10 4.20

Time-->





#13

Acrolein

Concen: 79.114 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

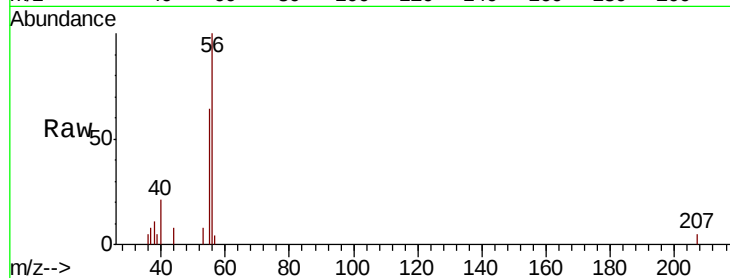
VD1007SBS01

Tot Ion: 56 Resp: 19022

Ion Ratio Lower Upper

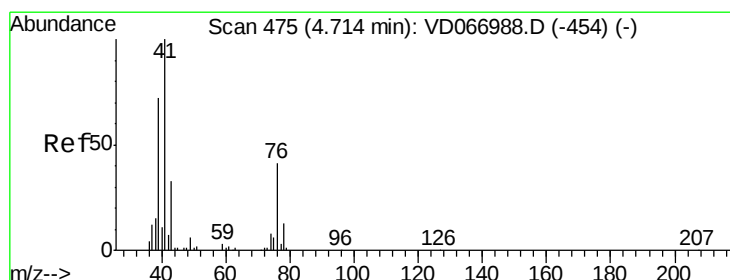
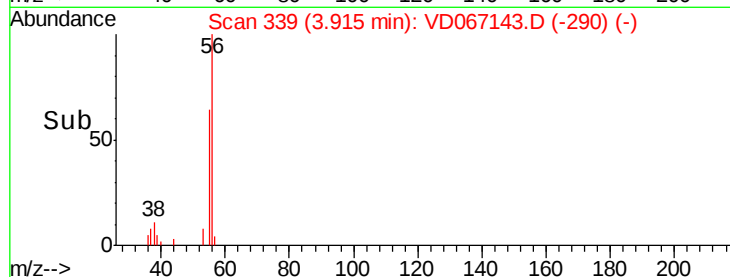
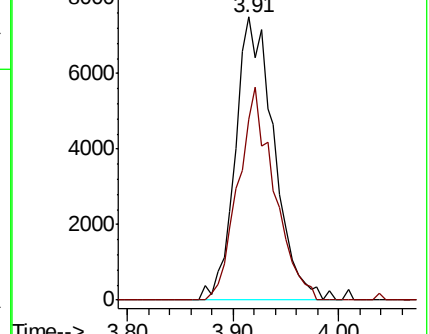
56 100

55 70.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.006 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

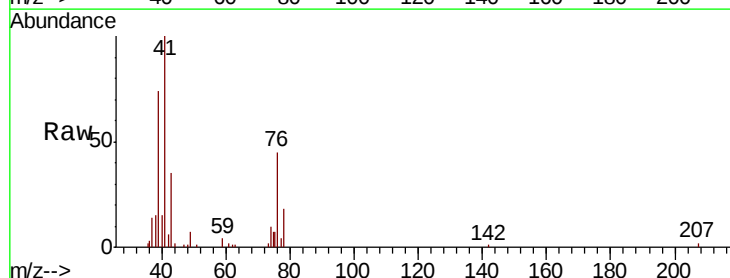
Tgt Ion: 41 Resp: 77638

Ion Ratio Lower Upper

41 100

39 77.2 56.2 84.2

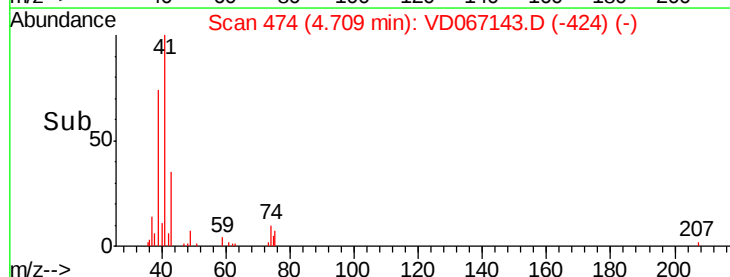
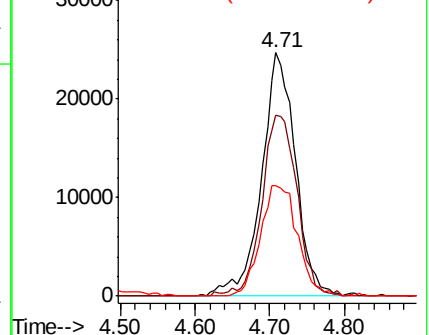
76 49.7 34.2 51.2

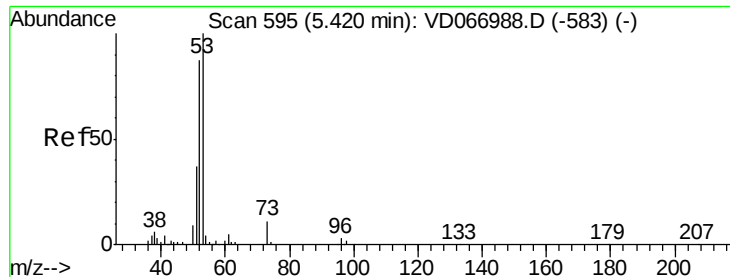


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

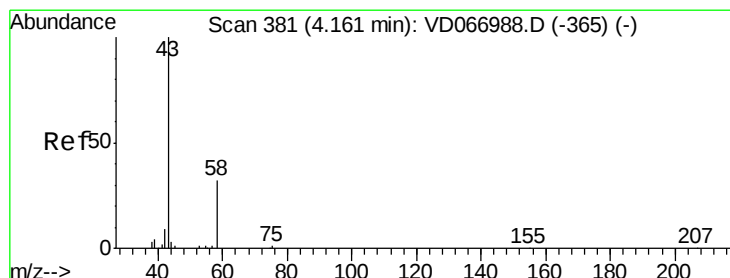
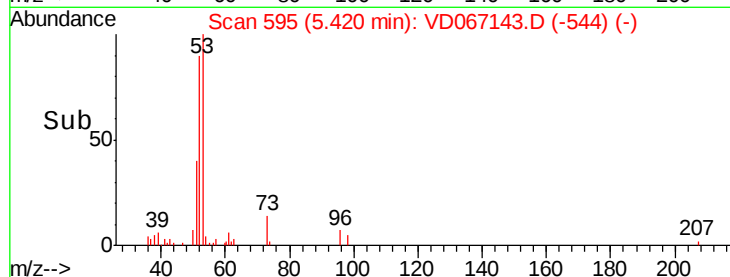
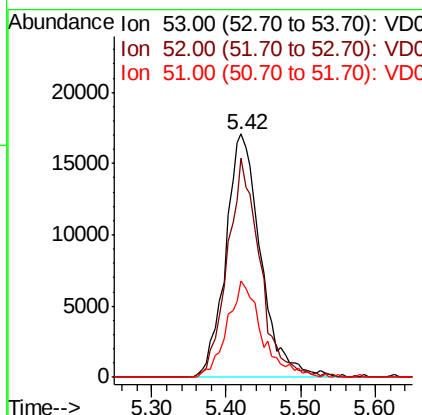
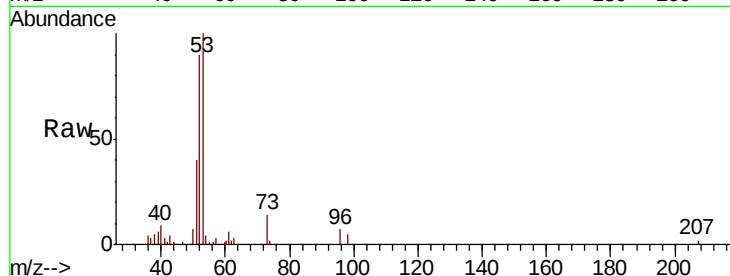




#15
 Acrylonitrile
 Concen: 92.359 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

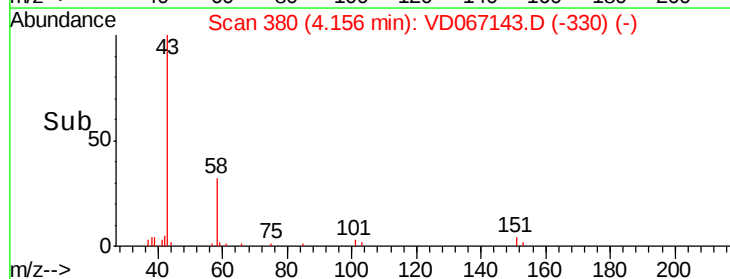
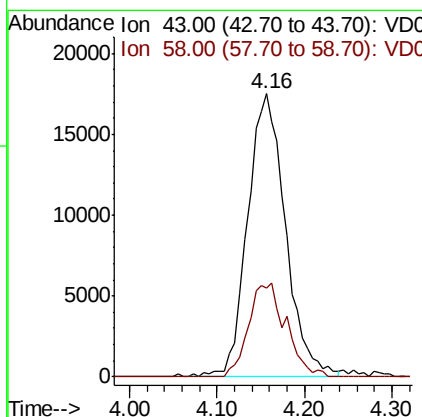
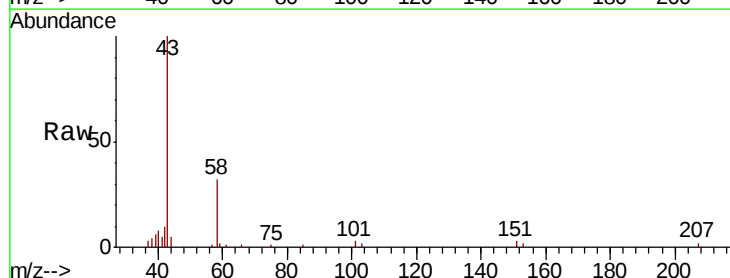
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

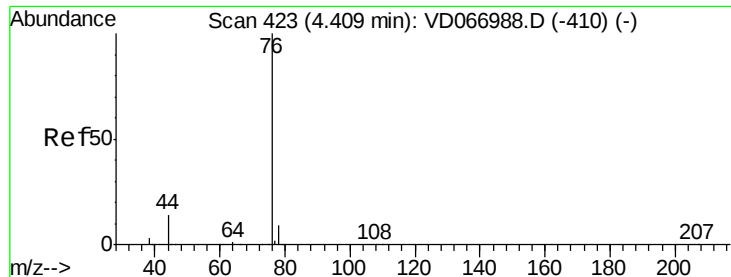
Tot Ion: 53 Resp: 55751
 Ion Ratio Lower Upper
 53 100
 52 83.2 67.3 100.9
 51 39.1 30.2 45.2



#16
 Acetone
 Concen: 94.874 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion: 43 Resp: 52004
 Ion Ratio Lower Upper
 43 100
 58 31.6 25.9 38.9

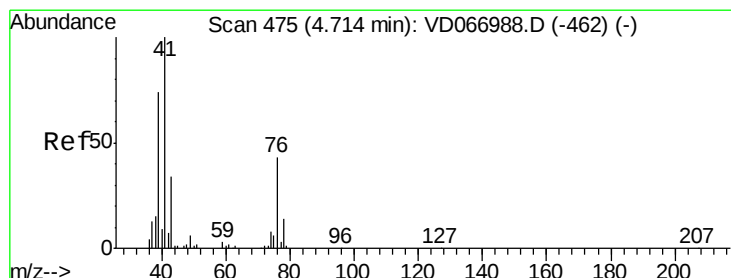
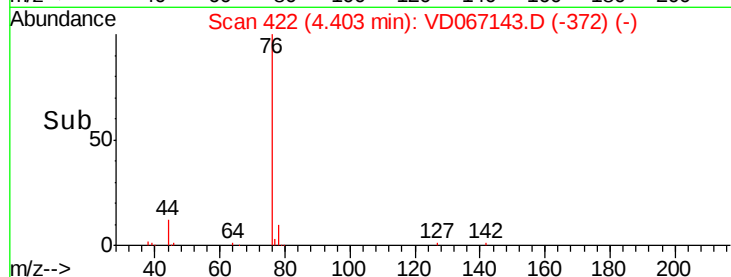
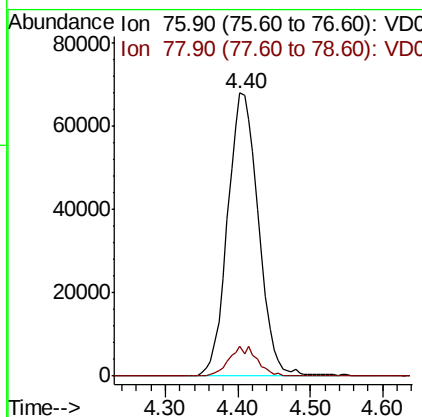
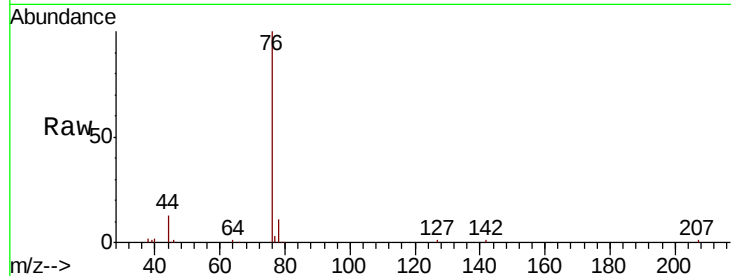




#17
Carbon Disulfide
Concen: 18.581 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

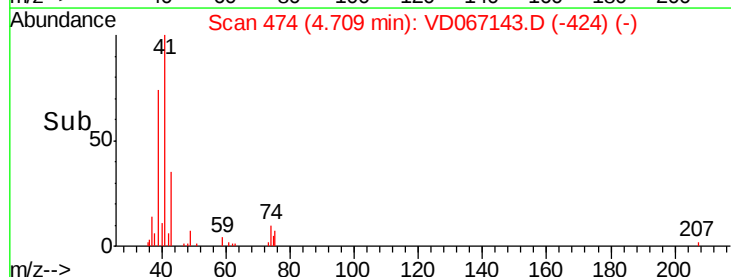
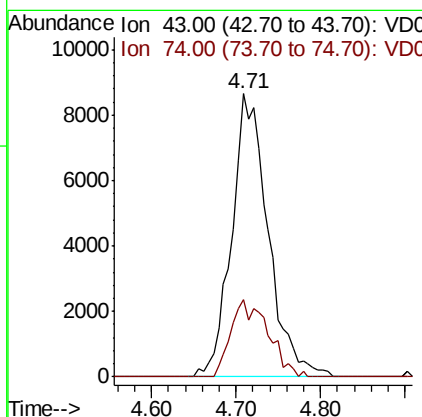
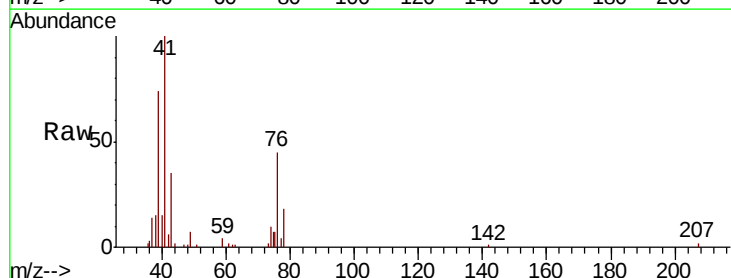
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 76 Resp: 200399
Ion Ratio Lower Upper
76 100
78 10.7 7.5 11.3



#18
Methyl Acetate
Concen: 18.739 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 43 Resp: 25816
Ion Ratio Lower Upper
43 100
74 27.9 21.5 32.3



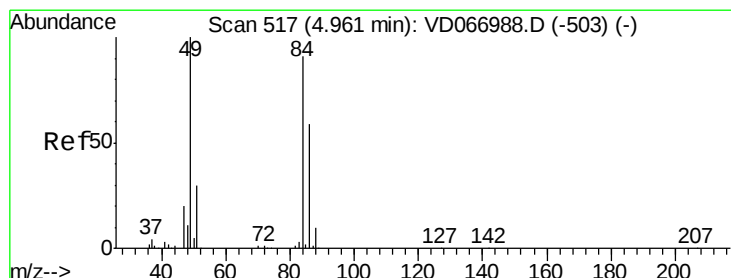
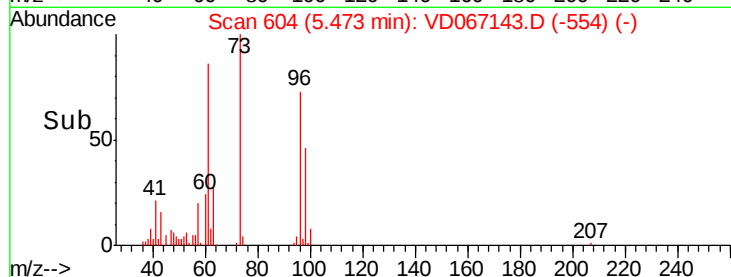
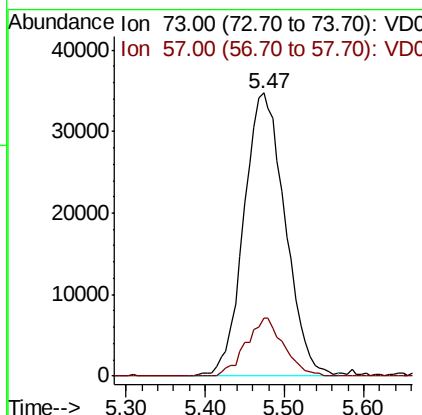
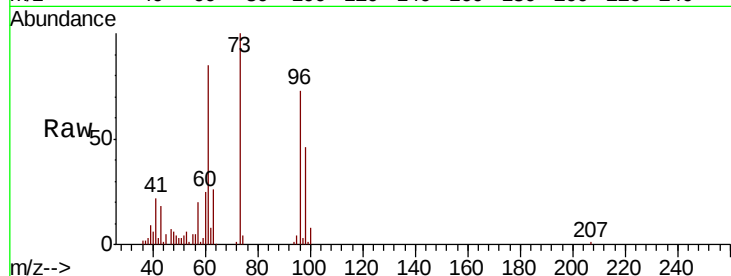


#19

Methyl tert-butyl Ether
 Concen: 19.583 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

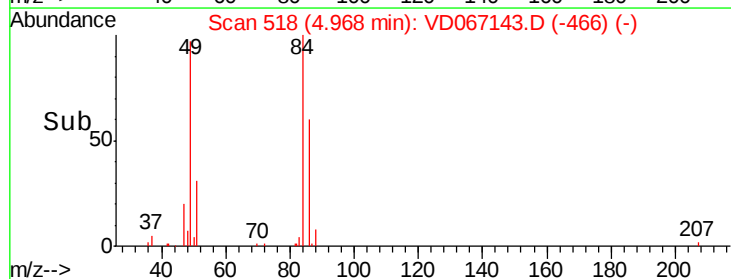
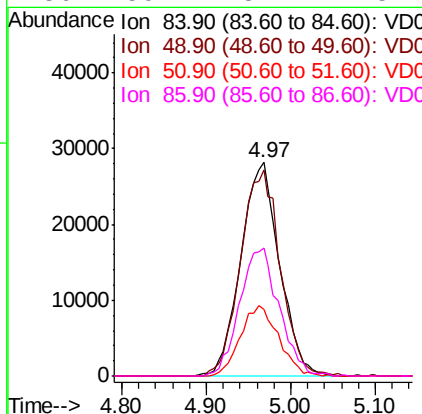
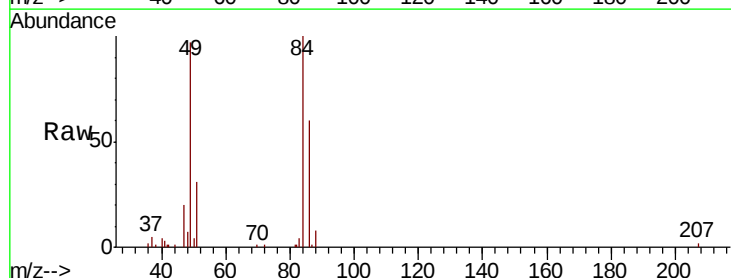
Tot Ion: 73 Resp: 125630
 Ion Ratio Lower Upper
 73 100
 57 20.4 17.4 26.0

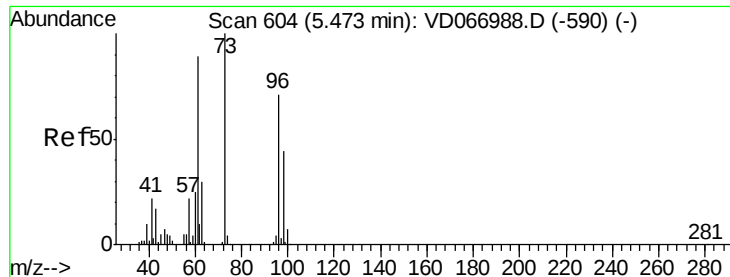


#20

Methylene Chloride
 Concen: 18.506 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion: 84 Resp: 89806
 Ion Ratio Lower Upper
 84 100
 49 96.5 88.2 132.2
 51 31.4 26.6 39.8
 86 59.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.238 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

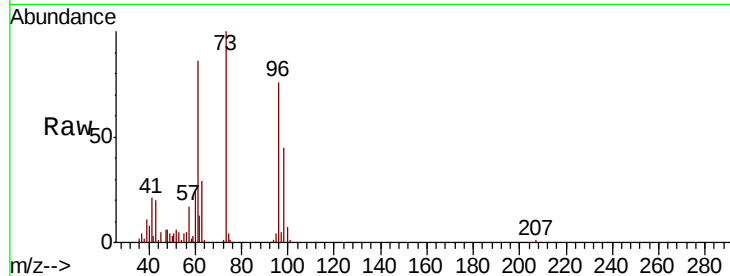
Tot Ion: 96 Resp: 76942

Ion Ratio Lower Upper

96 100

61 113.2 99.6 149.4

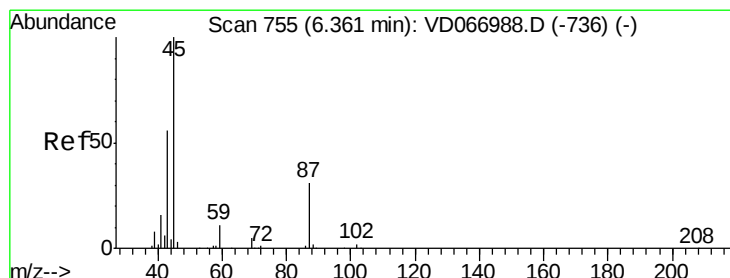
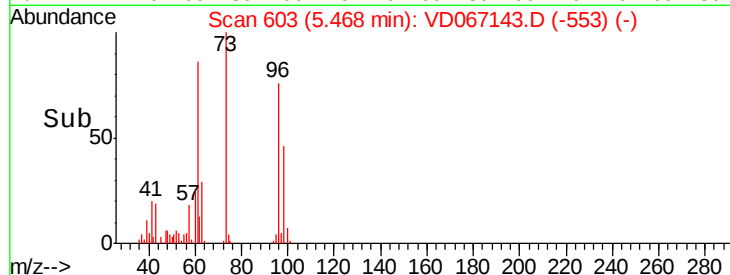
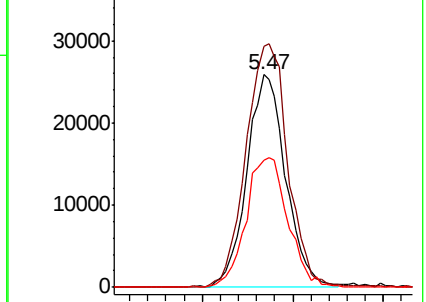
98 60.0 49.4 74.2



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: 18.565 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion: 45 Resp: 154731

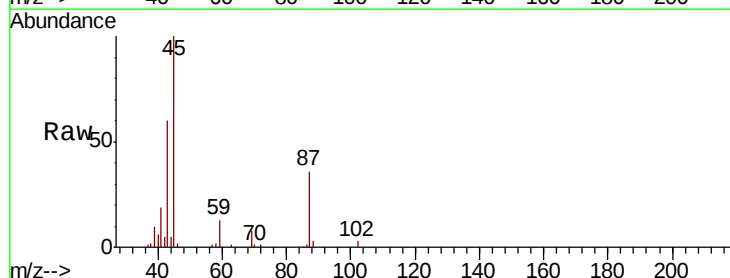
Ion Ratio Lower Upper

45 100

43 58.8 45.2 67.8

87 36.4 25.6 38.4

59 13.4 9.1 13.7

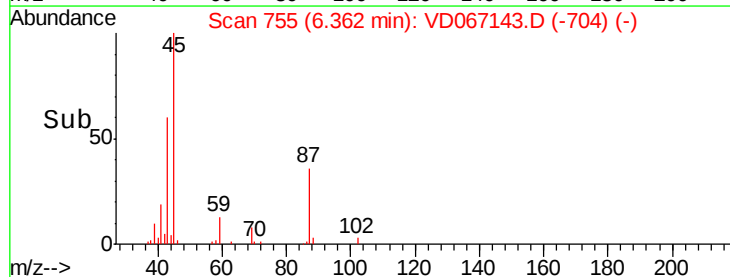
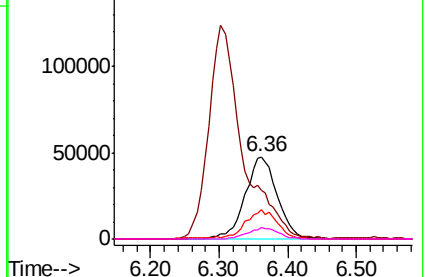


Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 89.870 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

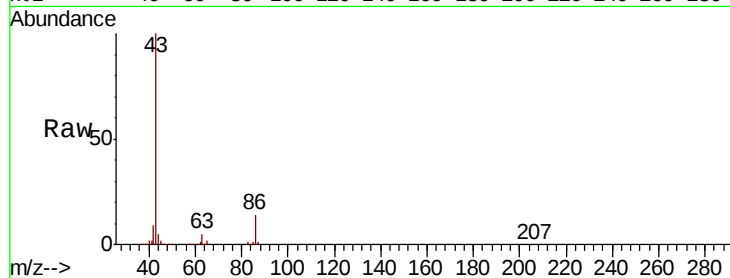
VD1007SBS01

Tot Ion: 43 Resp: 424452

Ion Ratio Lower Upper

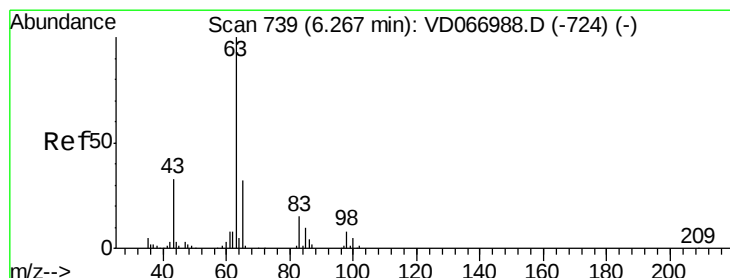
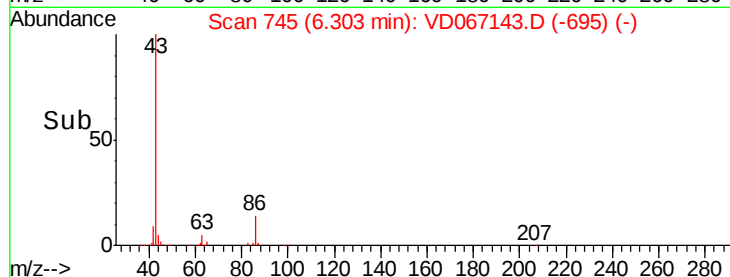
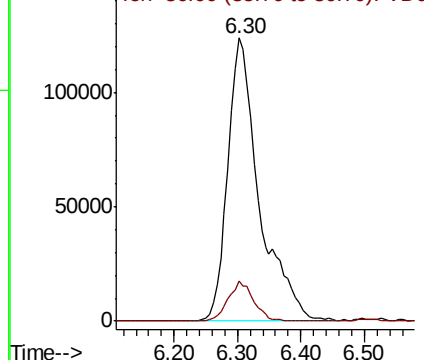
43 100

86 14.2 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.754 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

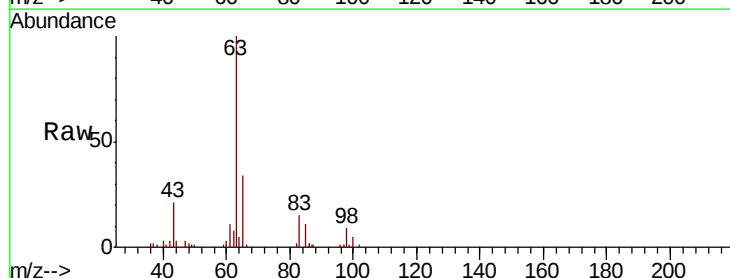
Tgt Ion: 63 Resp: 120633

Ion Ratio Lower Upper

63 100

98 9.3 4.2 12.6

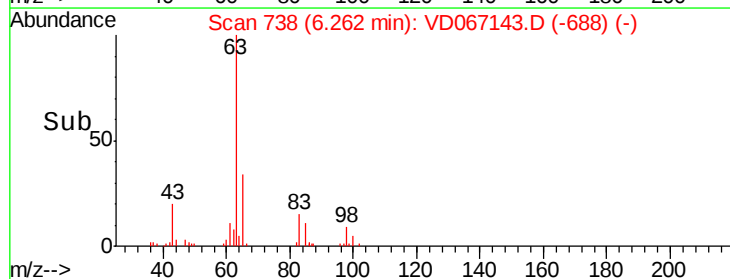
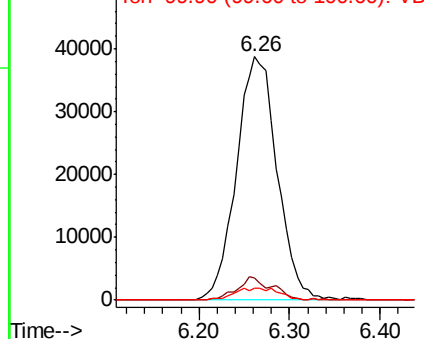
100 5.1 2.6 7.8

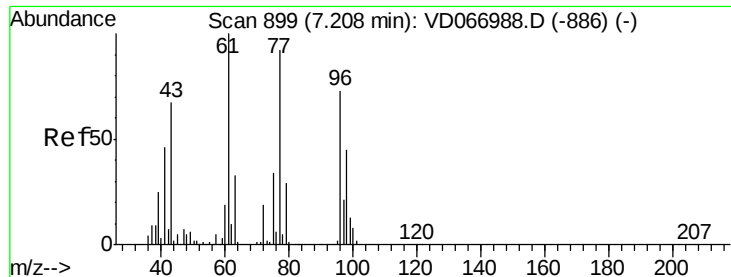


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

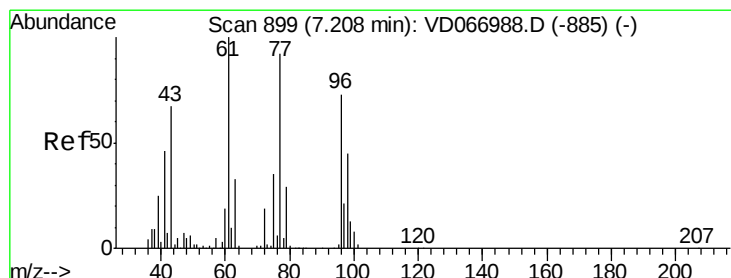
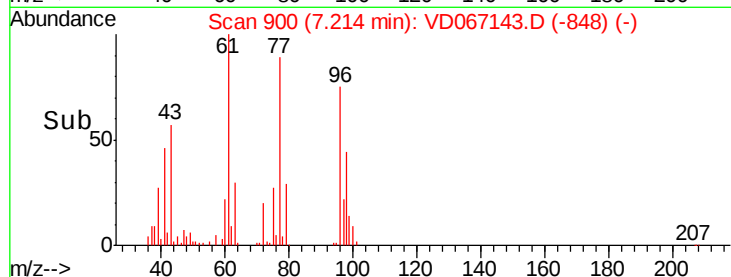
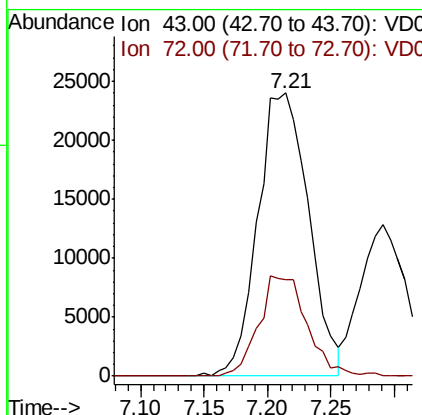
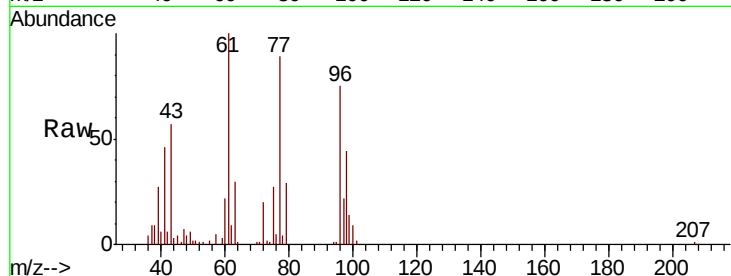




#25
2-Butanone
Concen: 86.276 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

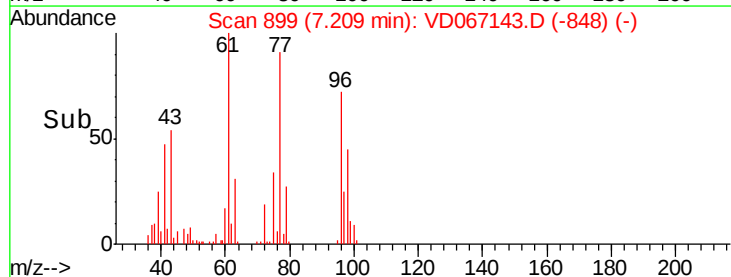
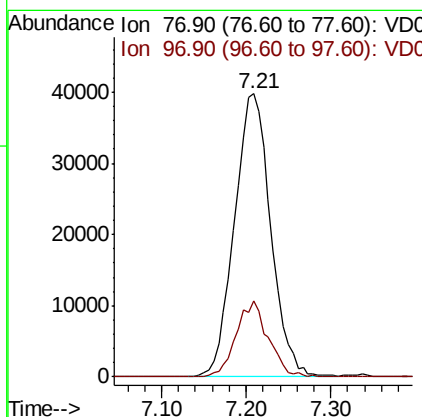
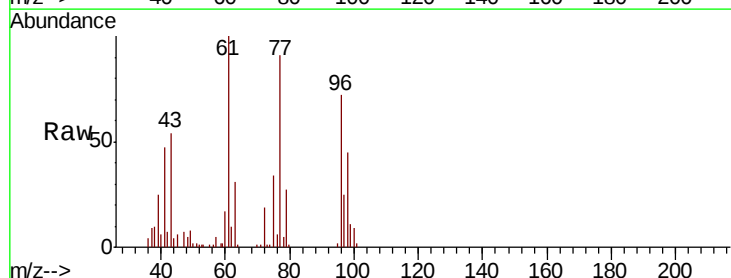
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

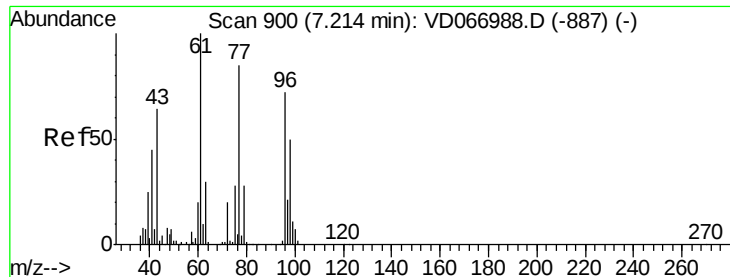
Tot Ion: 43 Resp: 67048
Ion Ratio Lower Upper
43 100
72 34.0 22.8 34.2



#26
2,2-Dichloropropane
Concen: 18.957 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 77 Resp: 118354
Ion Ratio Lower Upper
77 100
97 23.5 11.4 34.2



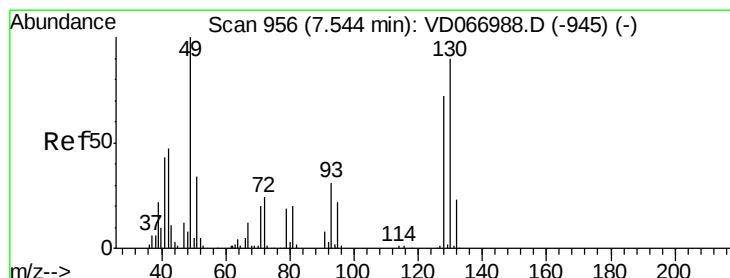
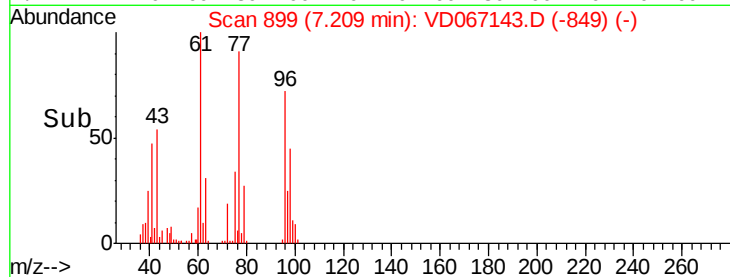
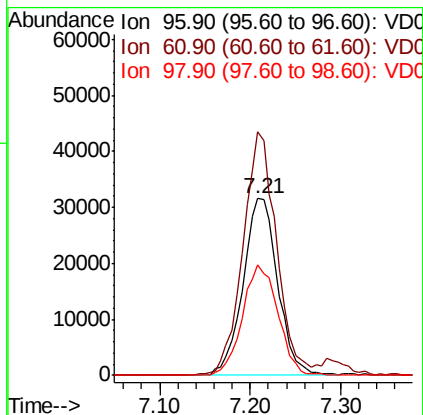
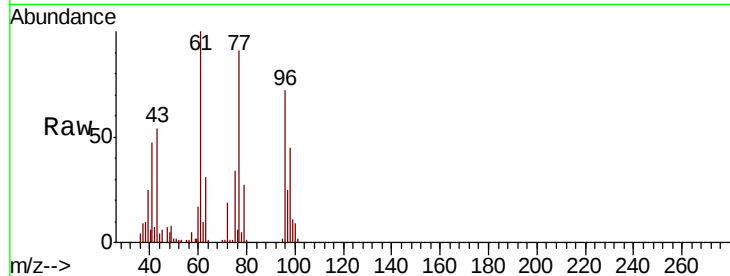


#27

cis-1,2-Dichloroethene
 Concen: 19.584 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

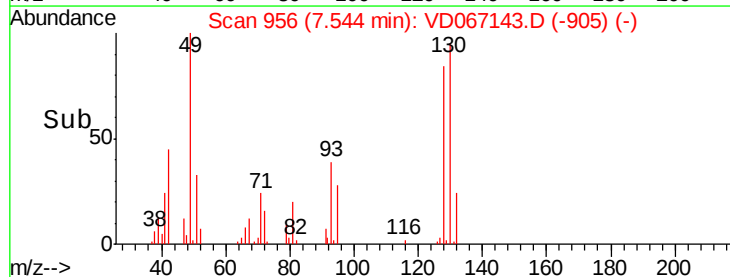
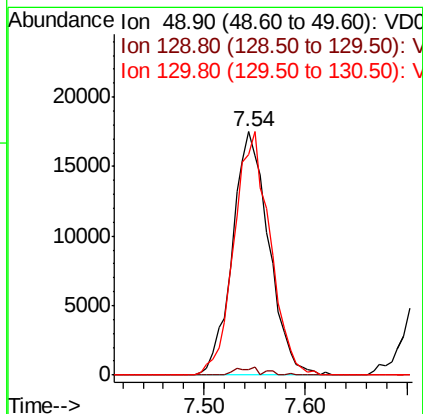
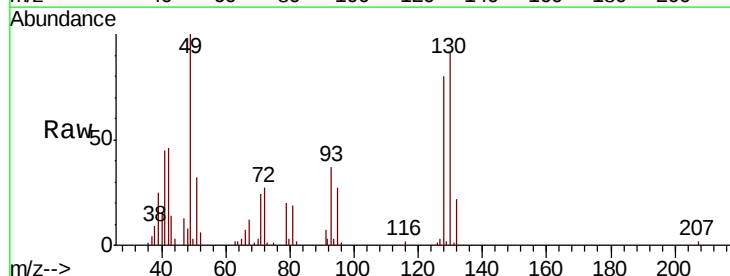
Tot Ion: 96 Resp: 83651
 Ion Ratio Lower Upper
 96 100
 61 133.0 0.0 269.2
 98 63.7 0.0 129.4

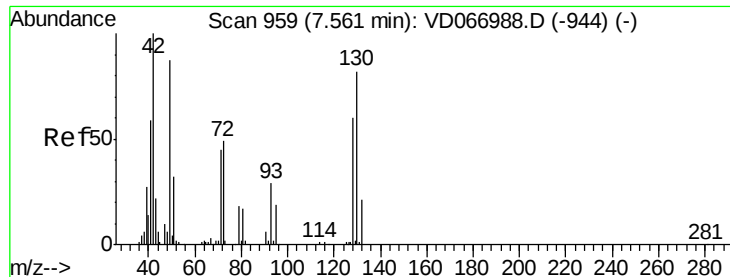


#28

Bromochloromethane
 Concen: 17.555 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion: 49 Resp: 43607
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.6
 130 98.9 74.1 111.1

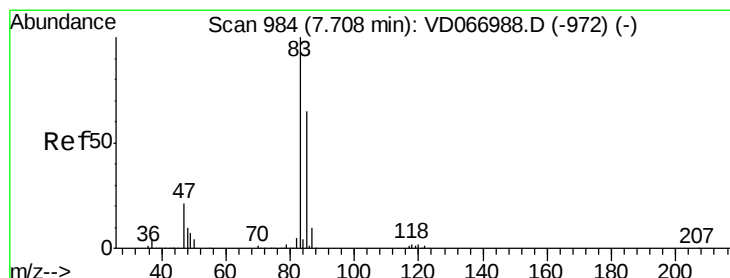
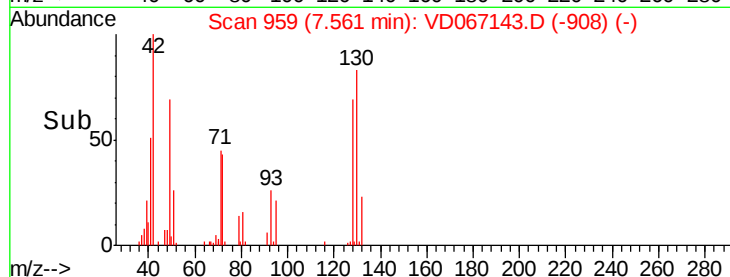
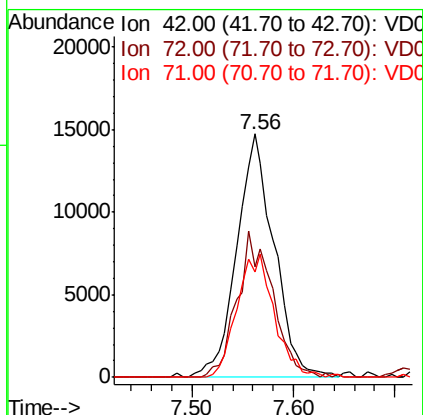
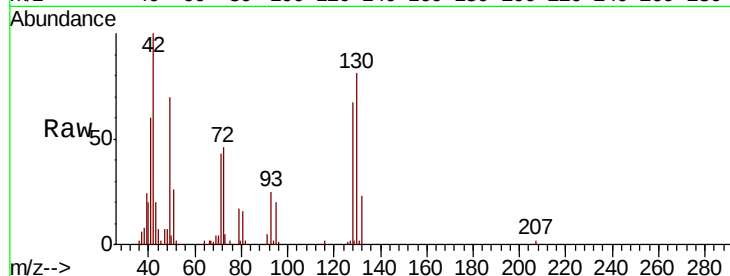




#29
Tetrahydrofuran
Concen: 84.018 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

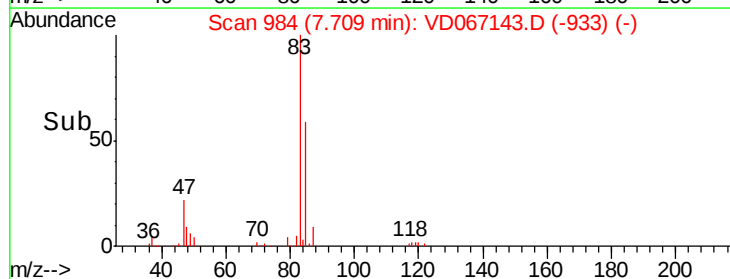
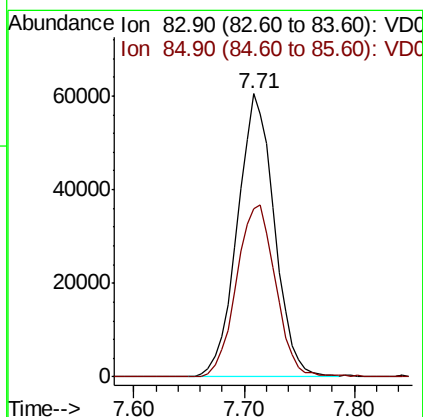
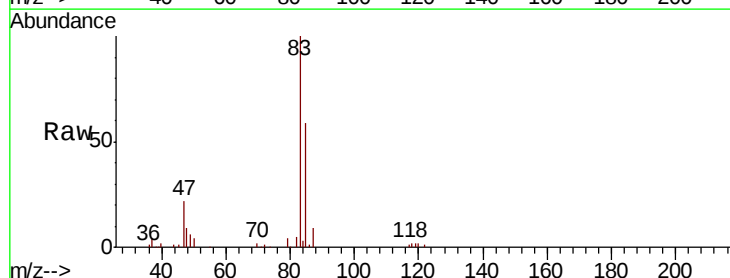
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

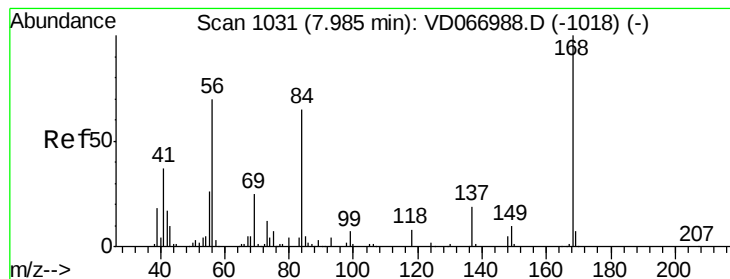
Tot Ion: 42 Resp: 37543
Ion Ratio Lower Upper
42 100
72 57.0 39.1 58.7
71 50.6 34.2 51.4



#30
Chloroform
Concen: 20.372 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 83 Resp: 142148
Ion Ratio Lower Upper
83 100
85 59.3 52.3 78.5





#31

Cyclohexane

Concen: 17.844 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

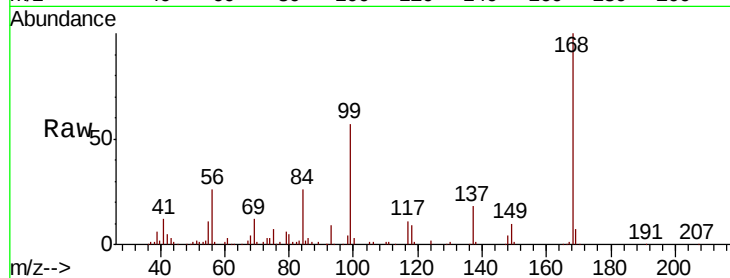
Tot Ion: 56 Resp: 96225

Ion Ratio Lower Upper

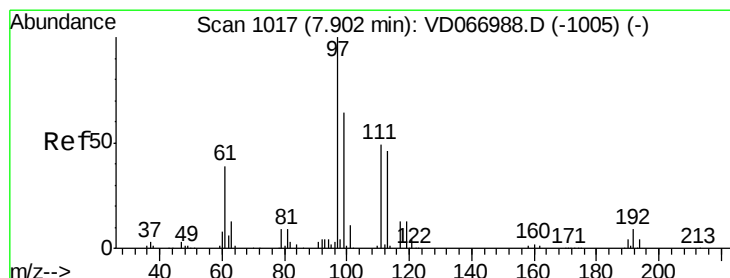
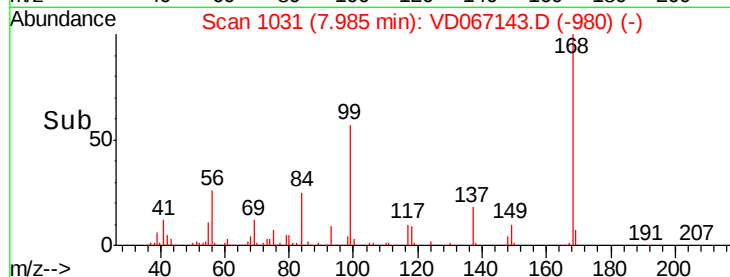
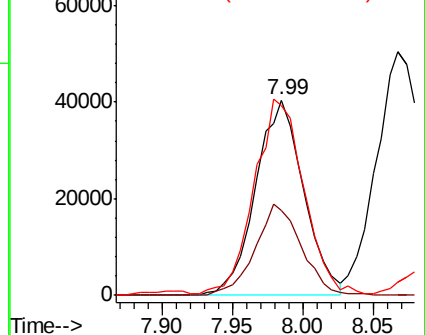
56 100

69 43.6 29.0 43.6#

84 96.5 74.2 111.2



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: 20.542 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

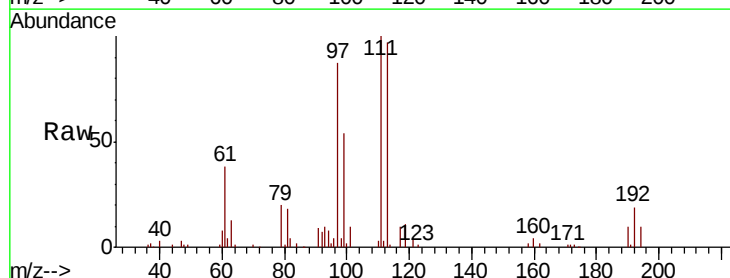
Tgt Ion: 97 Resp: 132840

Ion Ratio Lower Upper

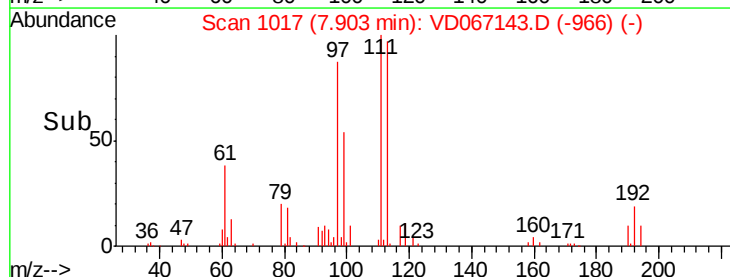
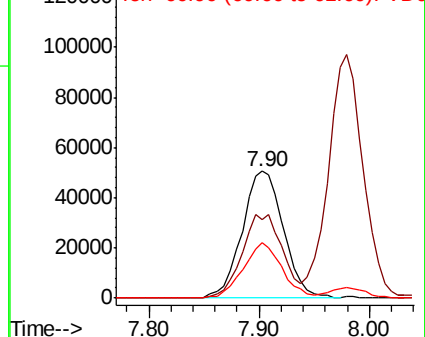
97 100

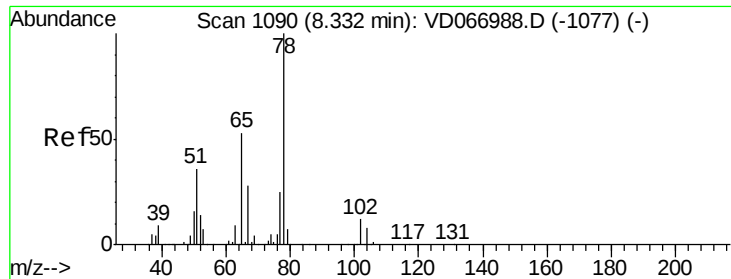
99 64.6 52.6 78.8

61 40.7 32.8 49.2



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

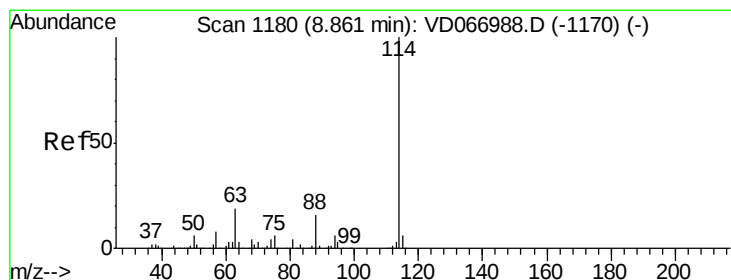
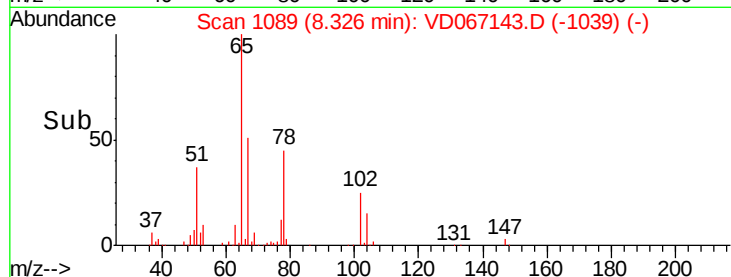
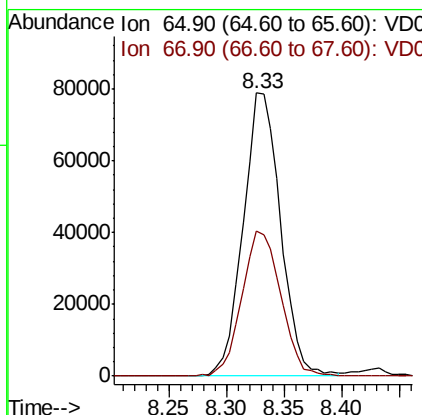
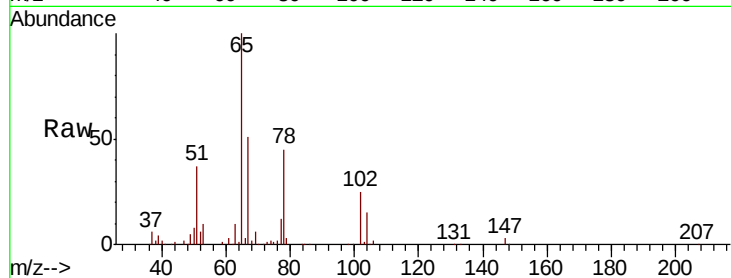




#33
 1,2-Dichloroethane-d4
 Concen: 49.507 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

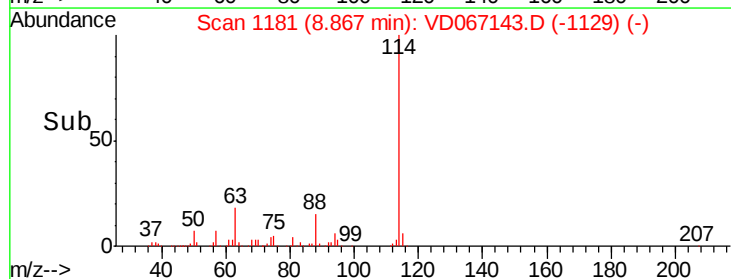
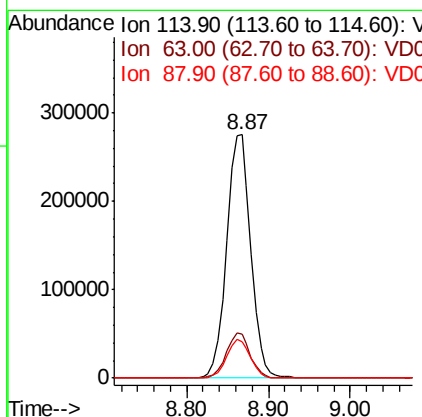
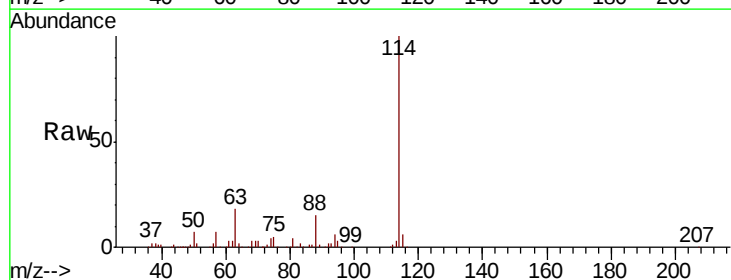
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

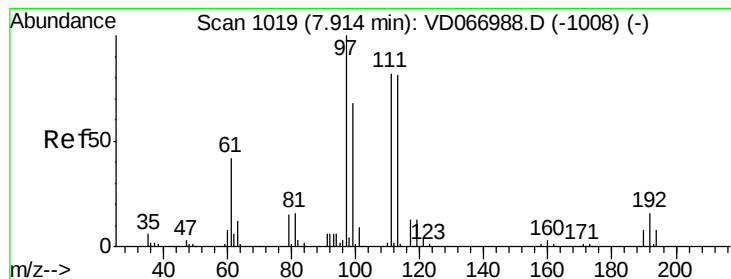
Tot Ion: 65 Resp: 177770
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion: 114 Resp: 565397
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.4
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.441 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

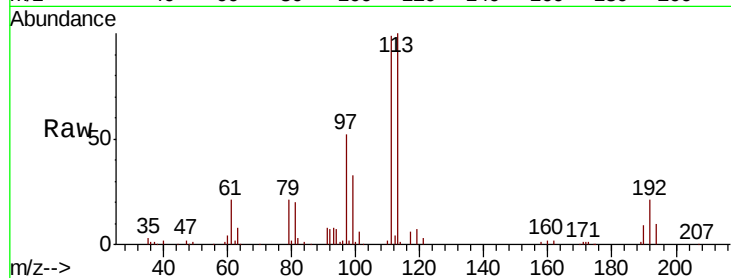
Tot Ion:113 Resp: 190412

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

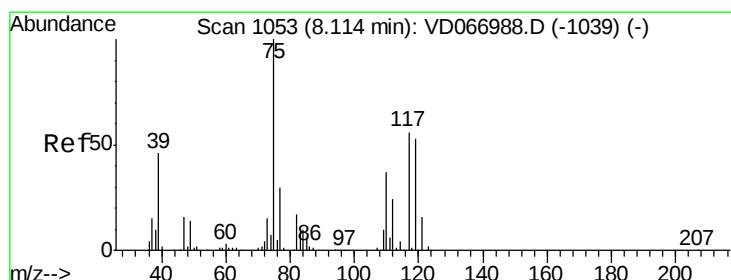
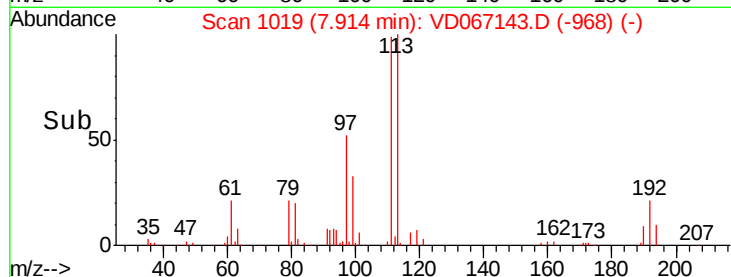
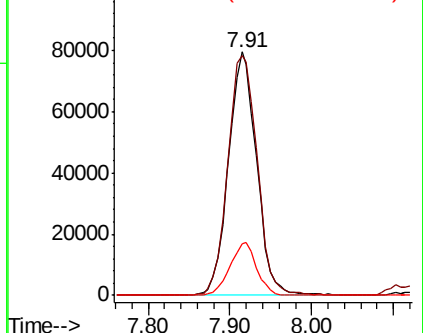
192 20.6 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.697 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

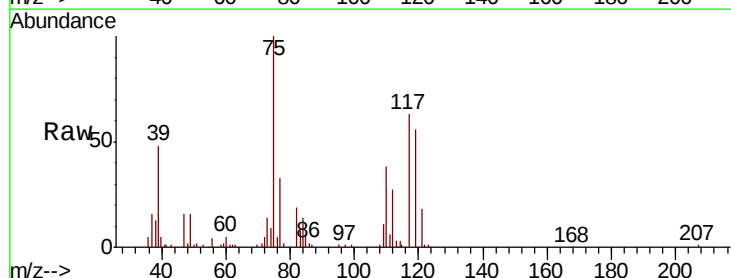
Tgt Ion: 75 Resp: 103804

Ion Ratio Lower Upper

75 100

110 38.6 18.4 55.0

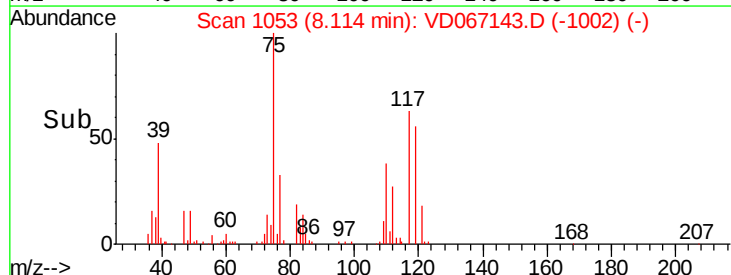
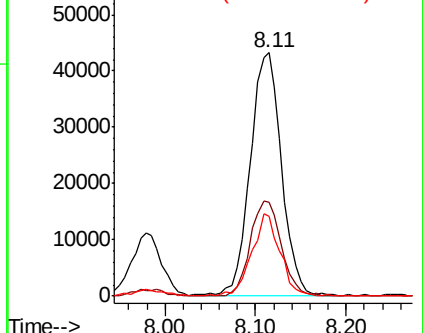
77 30.4 24.8 37.2

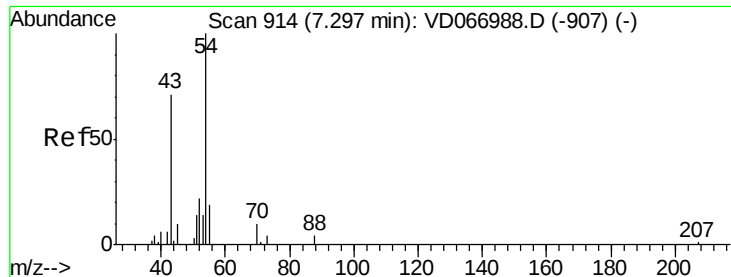


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

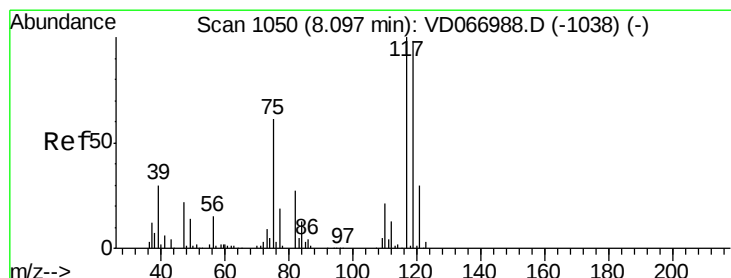
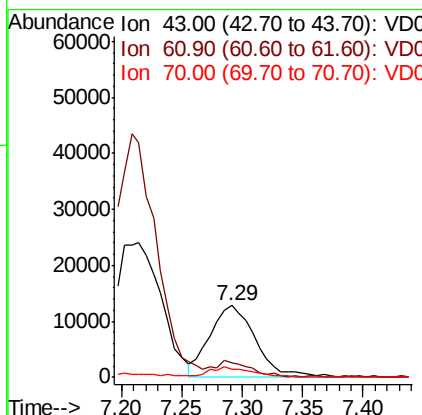
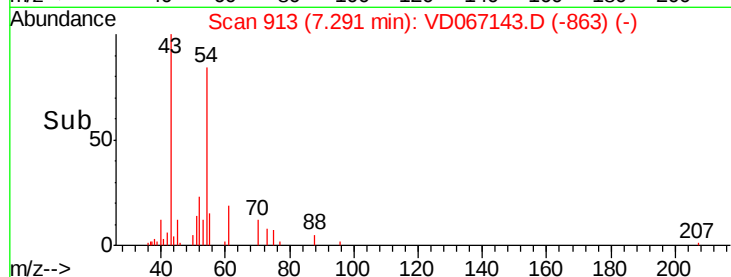
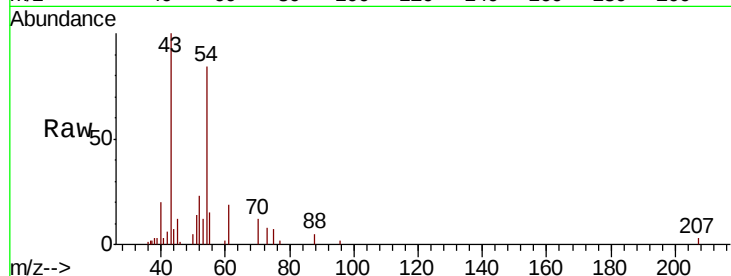




#37
Ethyl Acetate
Concen: 18.535 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

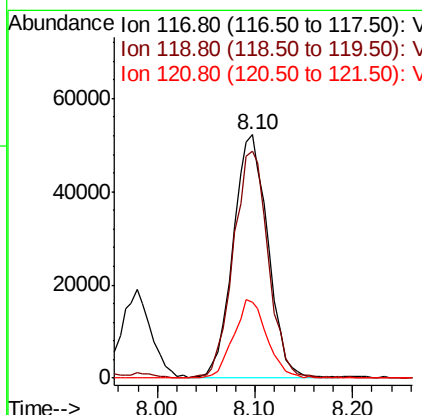
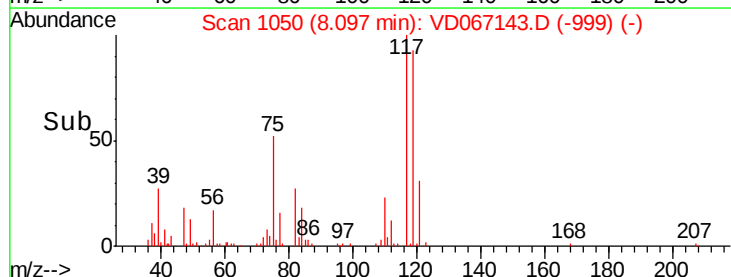
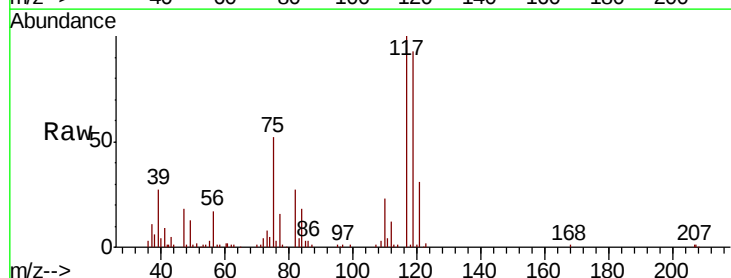
Instrument :
MSVOA_D
ClientSampleID :
VD1007SBS01

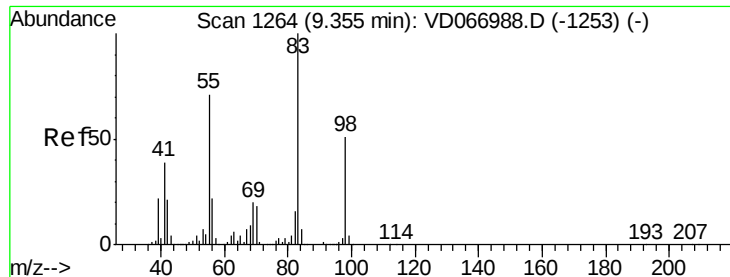
Tot Ion: 43 Resp: 33839
Ion Ratio Lower Upper
43 100
61 18.4 12.5 18.7
70 13.1 9.4 14.0



#38
Carbon Tetrachloride
Concen: 22.594 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 117 Resp: 128834
Ion Ratio Lower Upper
117 100
119 93.2 78.7 118.1
121 31.1 24.2 36.2

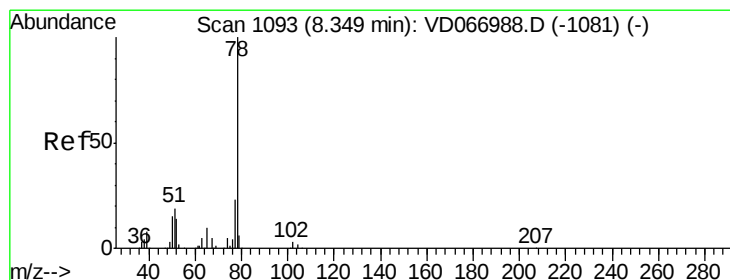
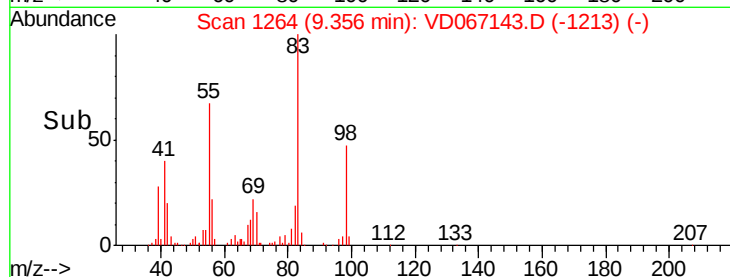
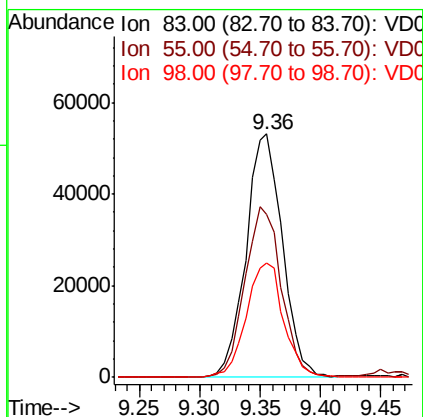
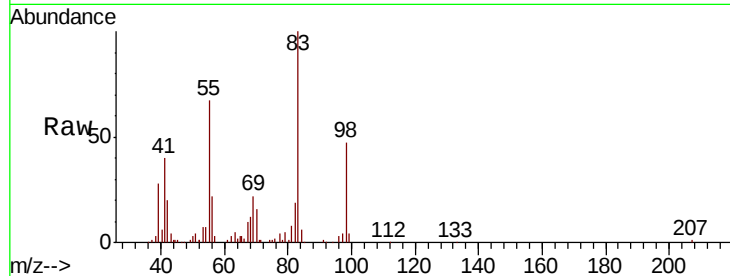




#39
Methvlcvclohexane
Concen: 20.016 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

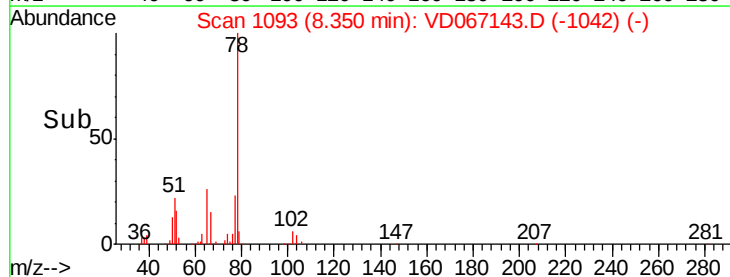
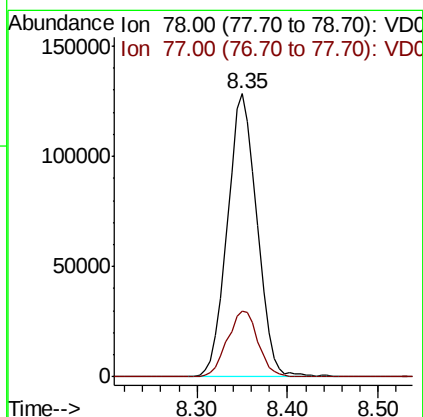
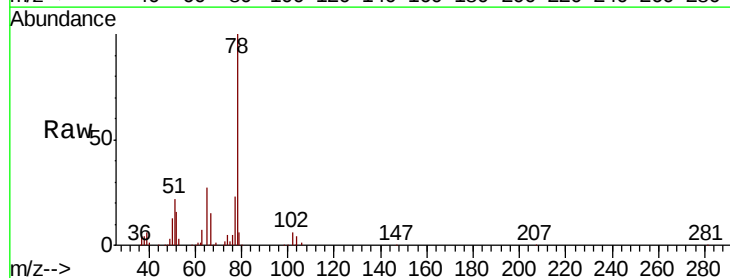
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

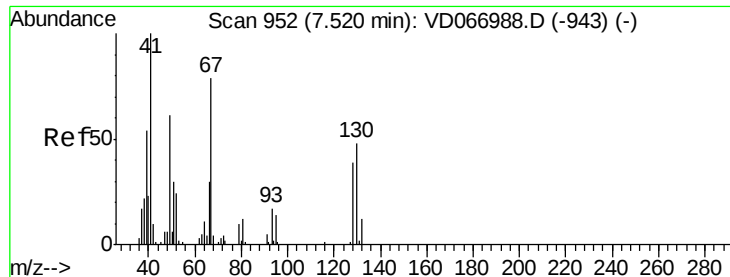
Tot Ion: 83 Resp: 111528
Ion Ratio Lower Upper
83 100
55 66.8 57.1 85.7
98 47.0 40.9 61.3



#40
Benzene
Concen: 19.919 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 78 Resp: 291579
Ion Ratio Lower Upper
78 100
77 23.4 18.4 27.6

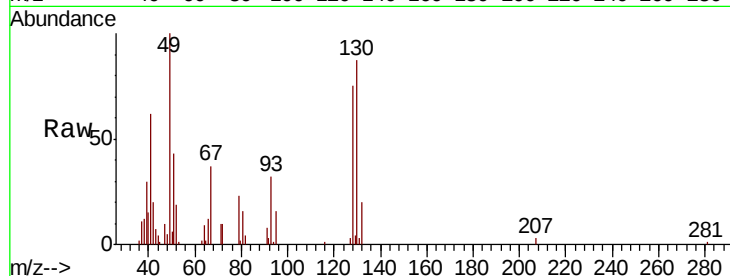




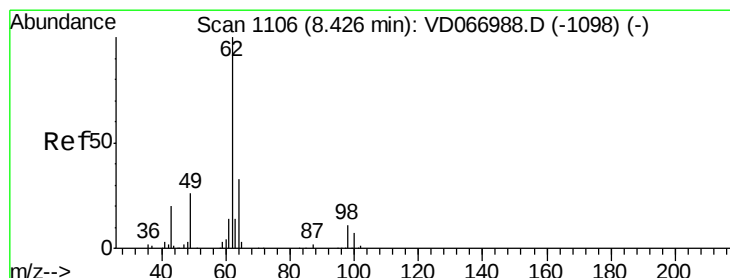
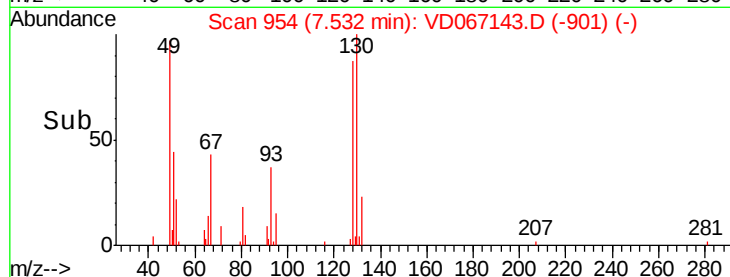
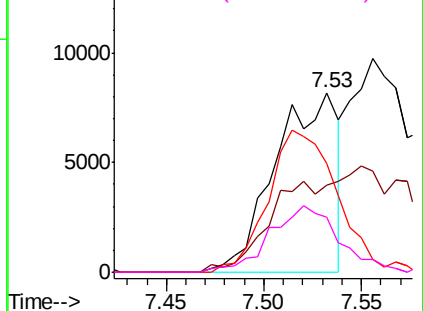
#41
Methacrylonitrile
Concen: 18.538 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion:	41	Resp:	18285
Ion	Ratio	Lower	Upper
41	100		
39	40.1	0.0	0.0#
67	86.9	0.0	0.0#
52	40.8	0.0	0.0#

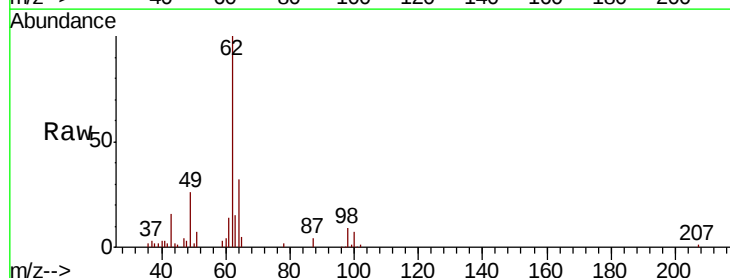


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

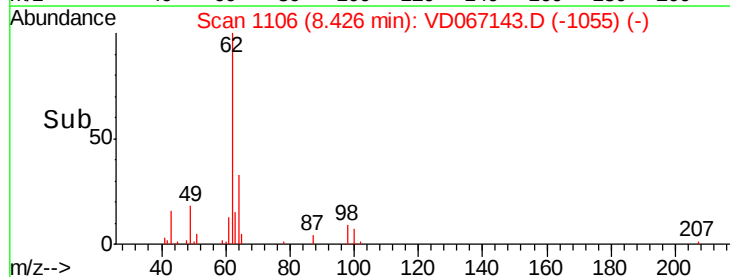
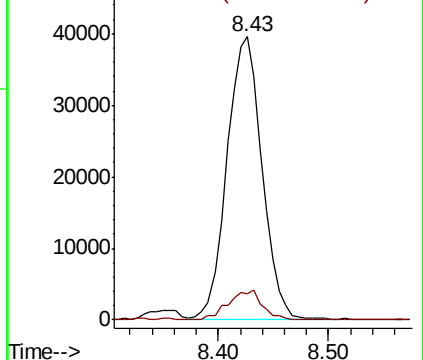


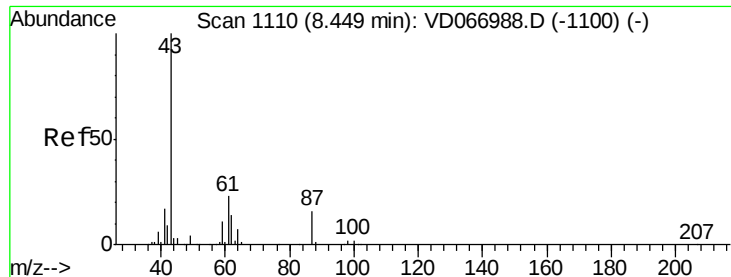
#42
1,2-Dichloroethane
Concen: 21.551 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion:	62	Resp:	88150
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	22.6



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





#43

Isopropyl Acetate

Concen: 18.406 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

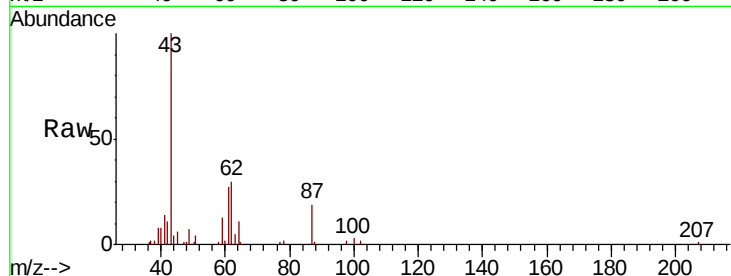
Tot Ion: 43 Resp: 61907

Ion Ratio Lower Upper

43 100

61 38.4 27.1 40.7

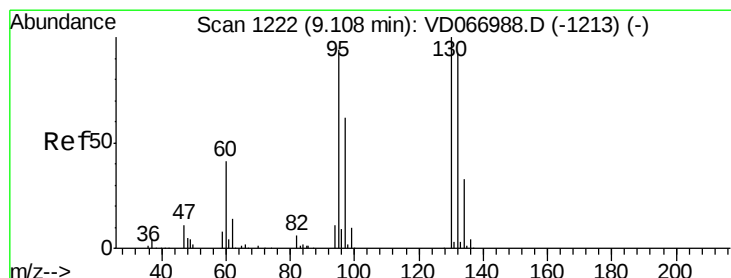
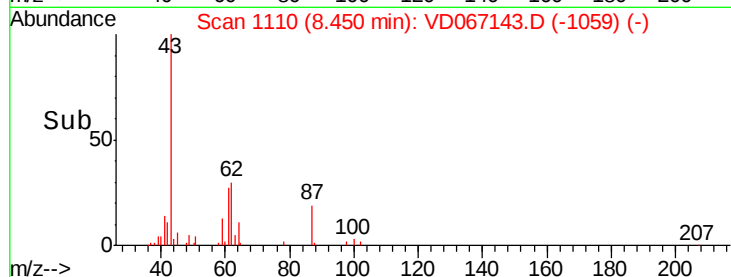
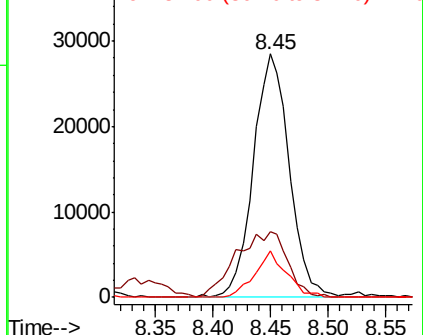
87 16.6 12.3 18.5



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: 21.161 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067143.D

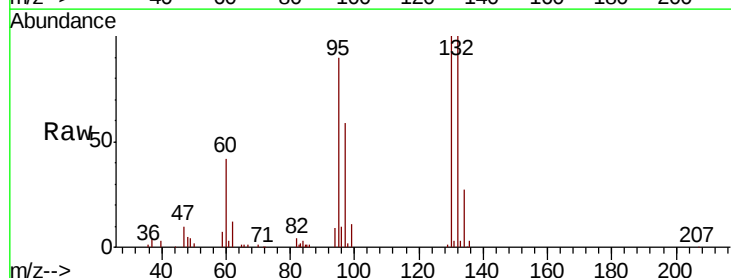
Acq: 07 Oct 2020 10:59

Tgt Ion:130 Resp: 92495

Ion Ratio Lower Upper

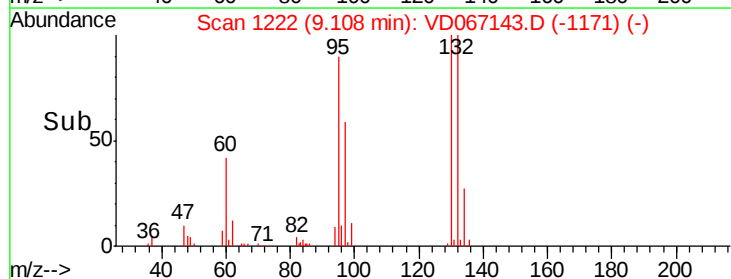
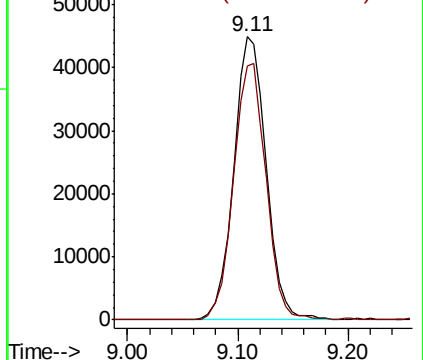
130 100

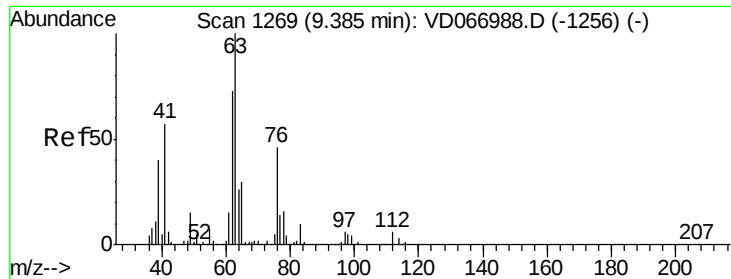
95 89.7 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.227 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

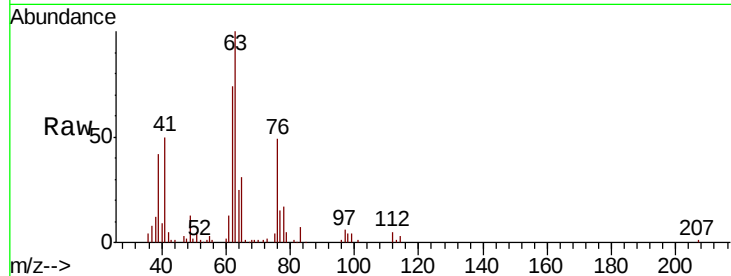
VD1007SBS01

Tot Ion: 63 Resp: 69569

Ion Ratio Lower Upper

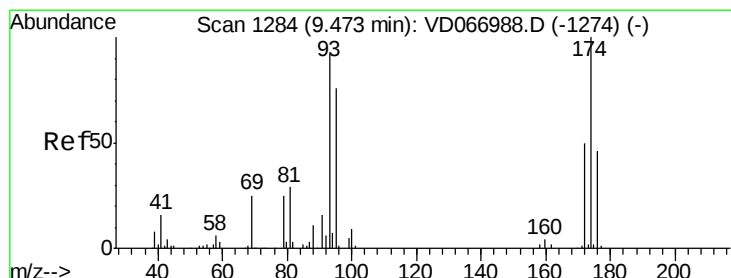
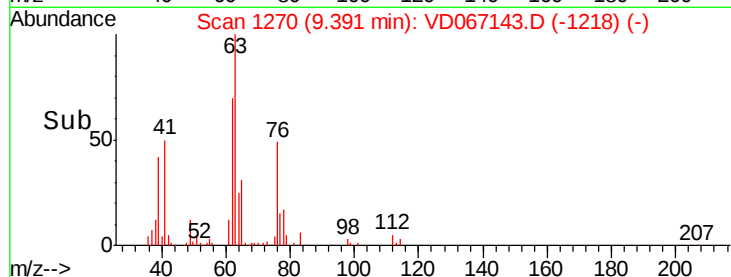
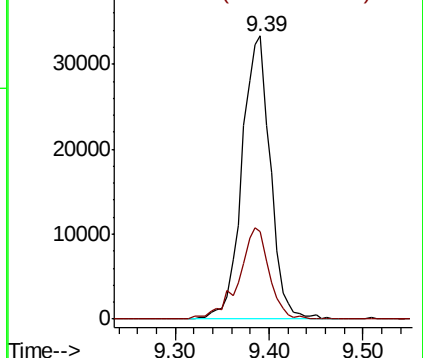
63 100

65 30.8 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.768 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

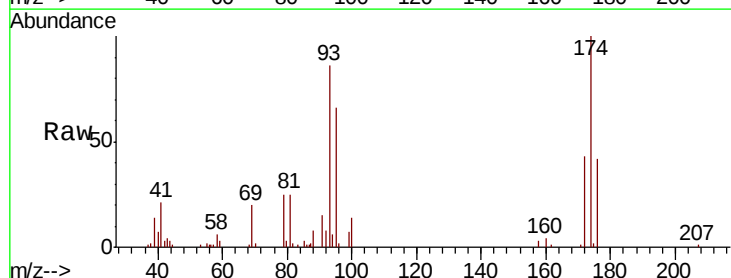
Tgt Ion: 93 Resp: 41053

Ion Ratio Lower Upper

93 100

95 82.9 64.7 97.1

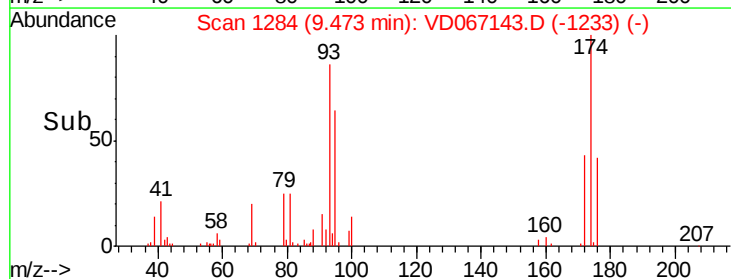
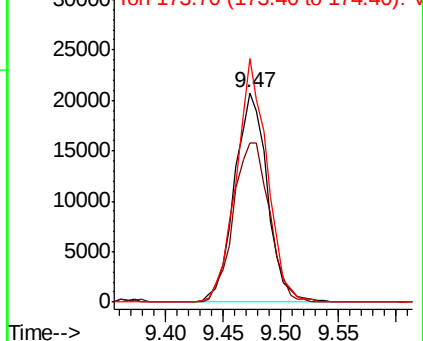
174 109.4 81.4 122.2

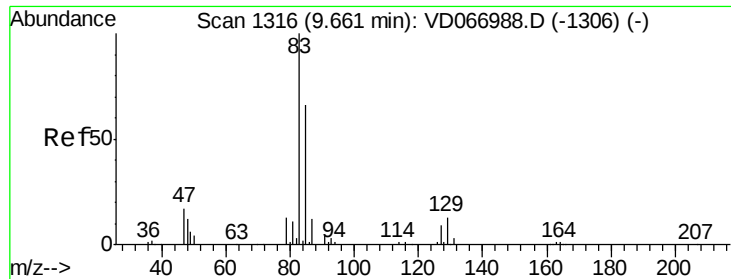


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

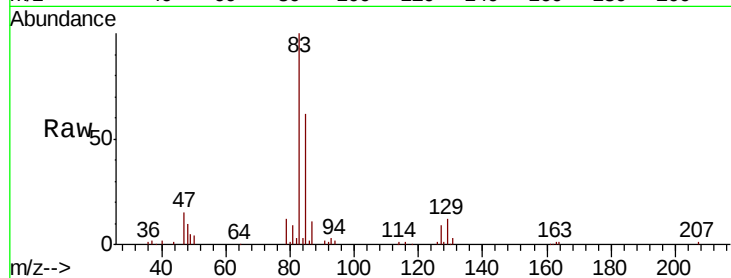




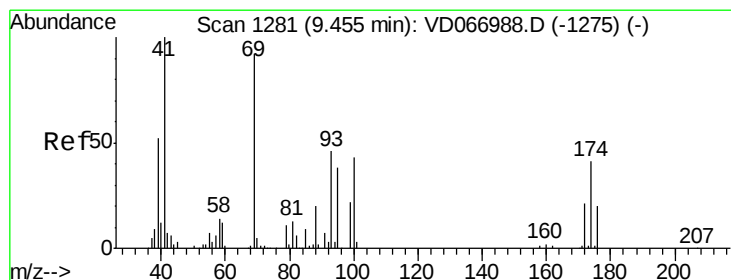
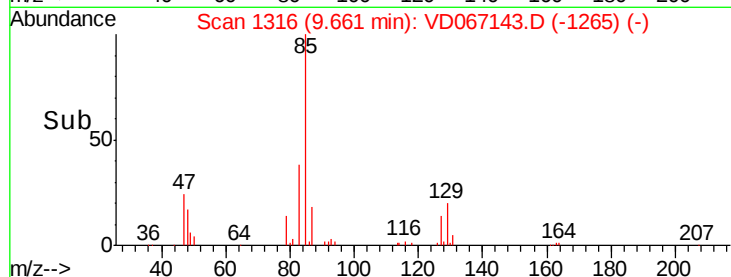
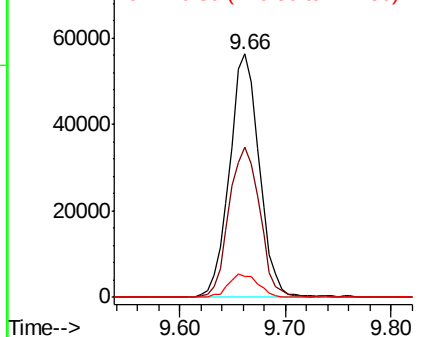
#47
Bromodichloromethane
Concen: 21.291 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 83 Resp: 109403
Ion Ratio Lower Upper
83 100
85 61.5 52.9 79.3
127 8.7 7.3 10.9

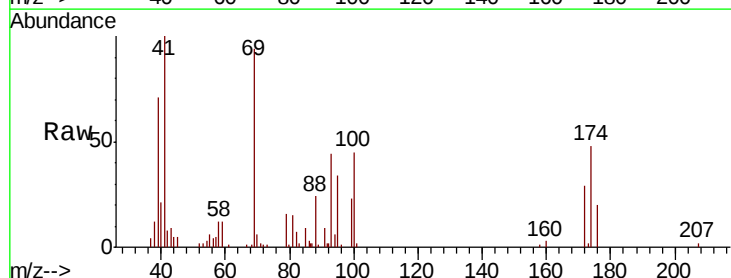


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

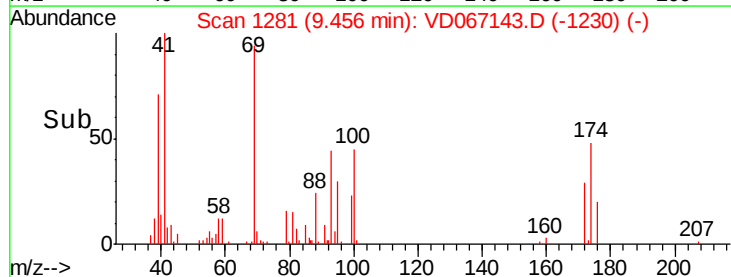
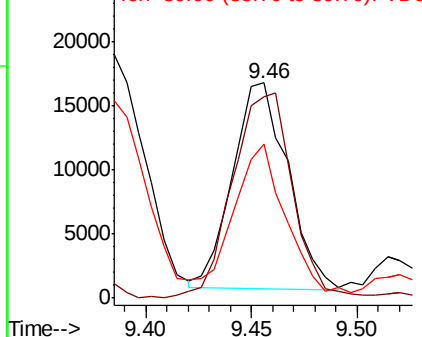


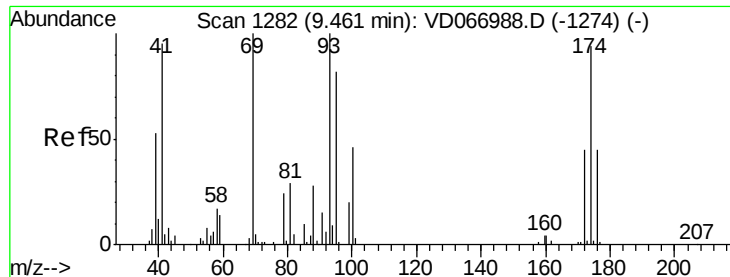
#48
Methyl methacrylate
Concen: 16.960 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 41 Resp: 29224
Ion Ratio Lower Upper
41 100
69 107.8 68.5 102.7#
39 71.4 40.2 60.2#



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

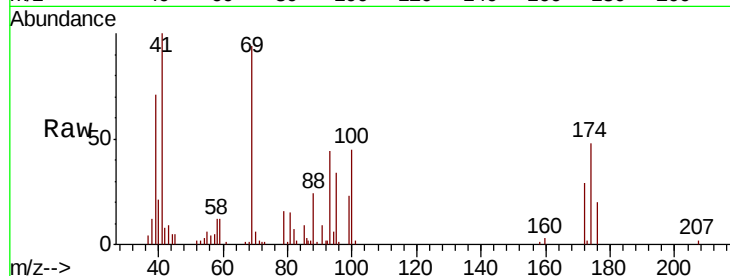




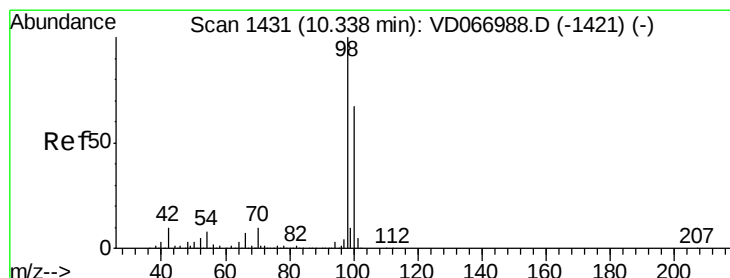
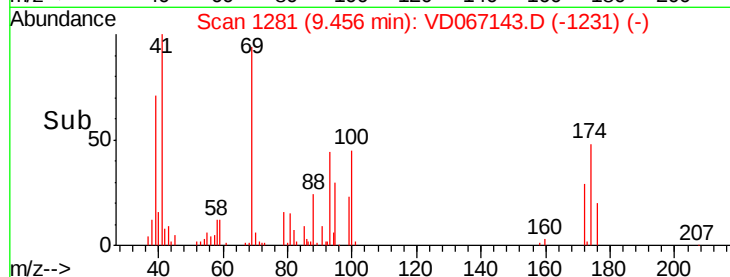
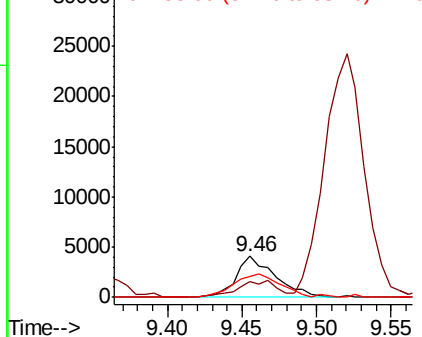
#49
1,4-Dioxane
Concen: 364.105 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 88 Resp: 7512
Ion Ratio Lower Upper
88 100
43 38.5 25.6 38.4#
58 66.1 53.5 80.3

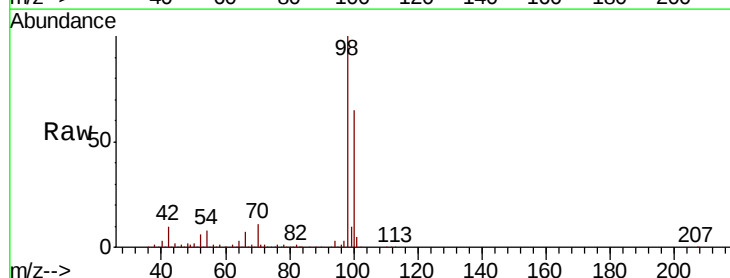


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

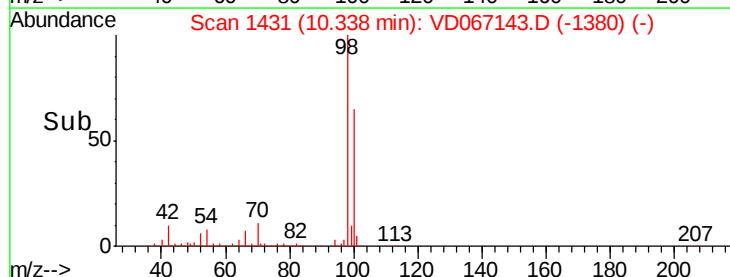
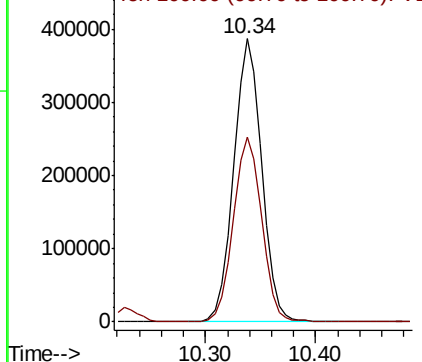


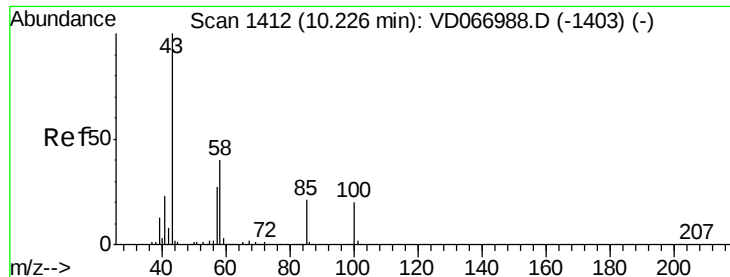
#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 98 Resp: 690956
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 92.659 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

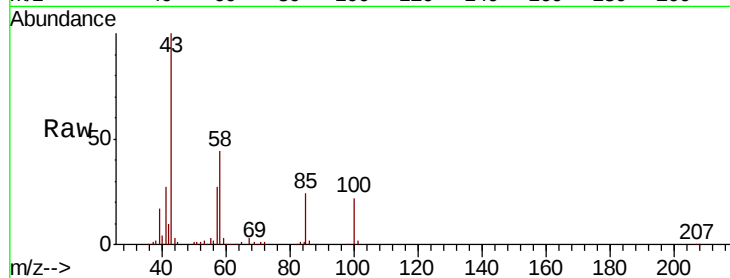
VD1007SBS01

Tot Ion: 43 Resp: 155230

Ion Ratio Lower Upper

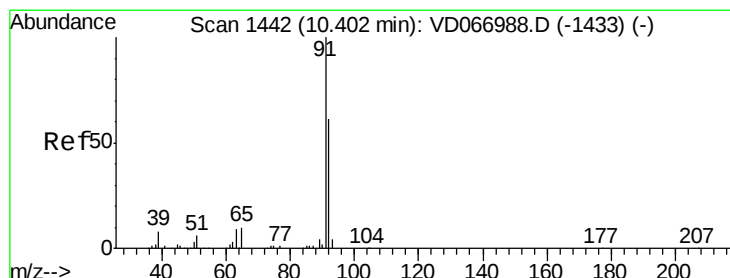
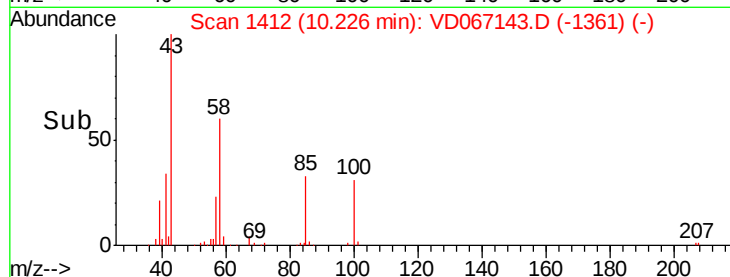
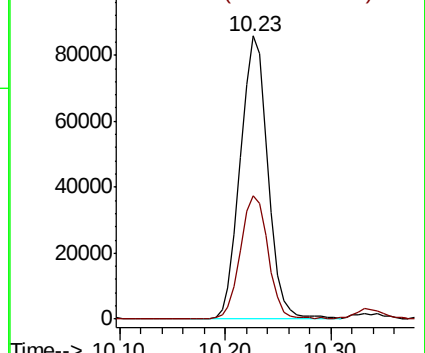
43 100

58 43.8 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.138 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067143.D

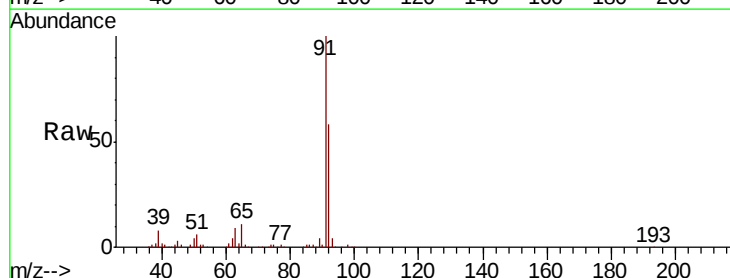
Acq: 07 Oct 2020 10:59

Tgt Ion: 92 Resp: 199317

Ion Ratio Lower Upper

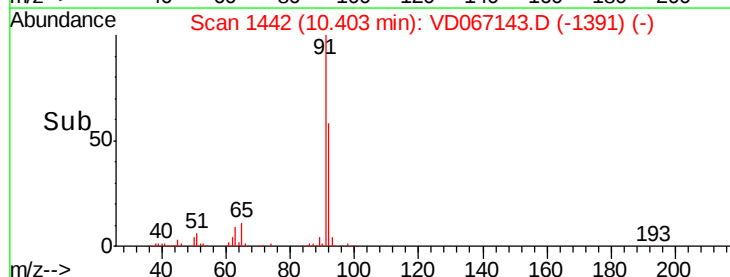
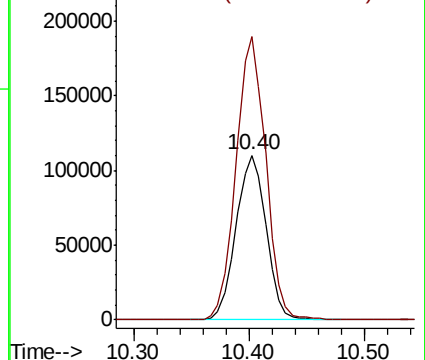
92 100

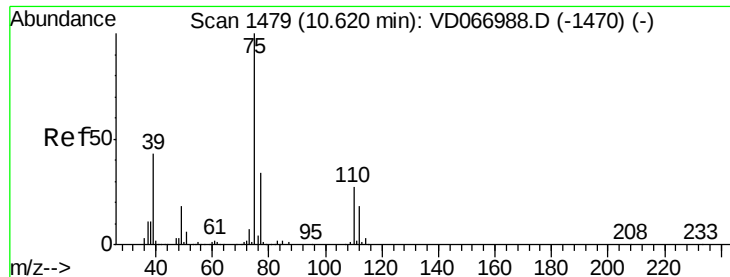
91 169.8 135.1 202.7



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: 21.155 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

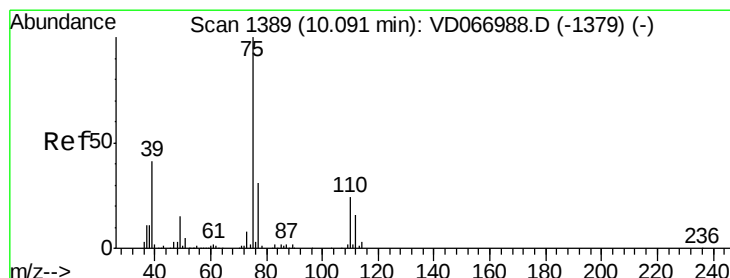
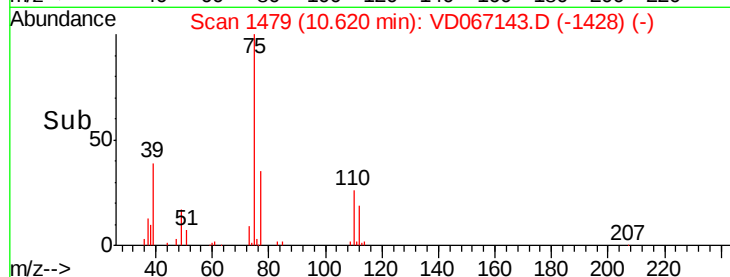
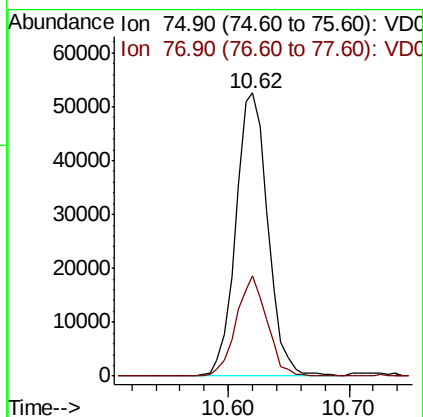
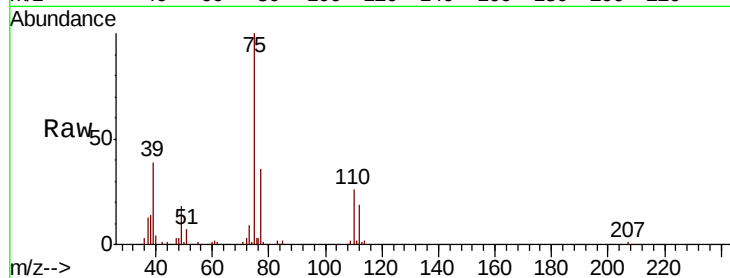
VD1007SBS01

Tot Ion: 75 Resp: 97155

Ion Ratio Lower Upper

75 100

77 35.5 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 20.419 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

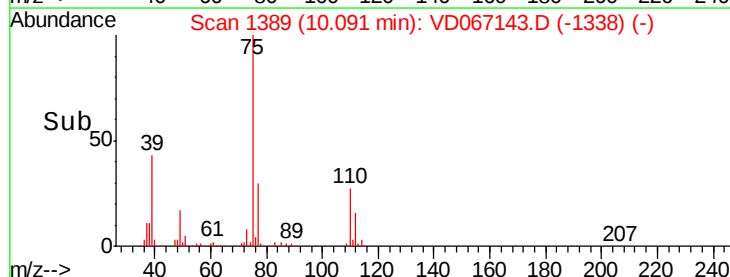
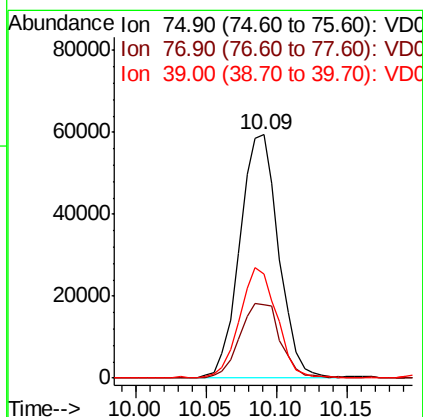
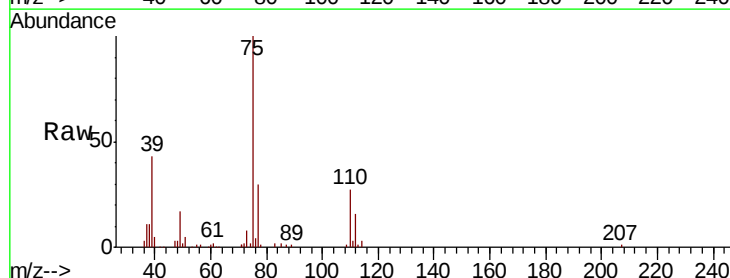
Tgt Ion: 75 Resp: 114506

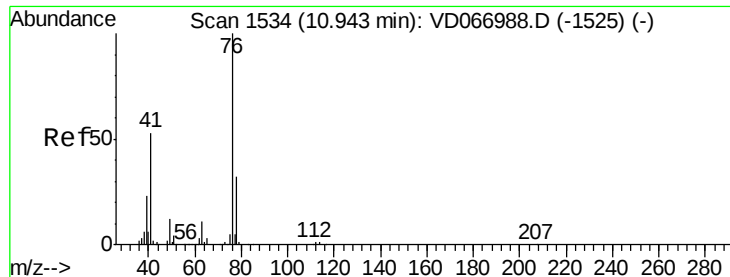
Ion Ratio Lower Upper

75 100

77 30.3 24.6 37.0

39 42.5 33.0 49.4

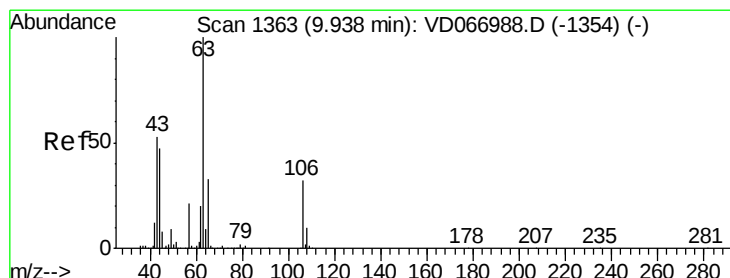
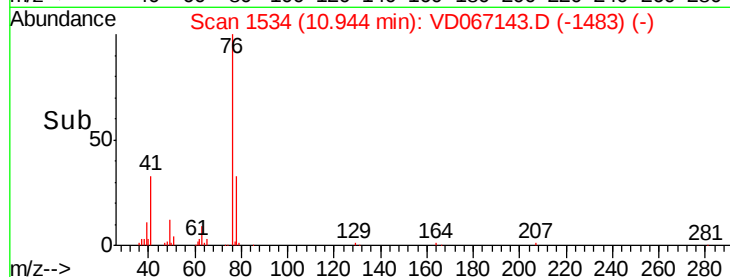
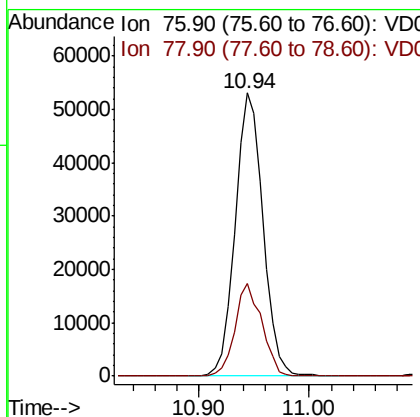
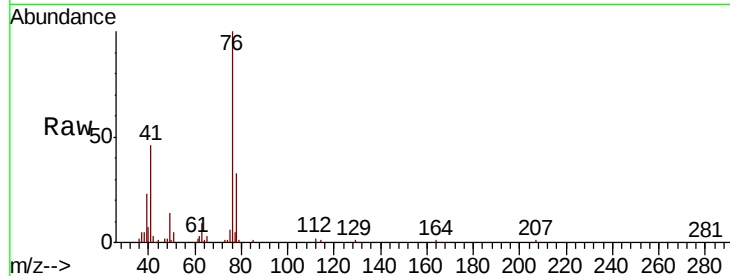




#57
 1,3-Dichloropropane
 Concen: 21.032 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

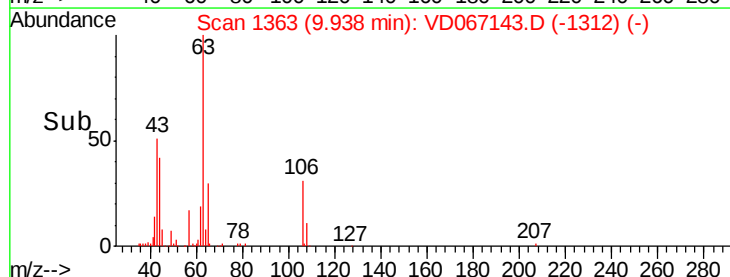
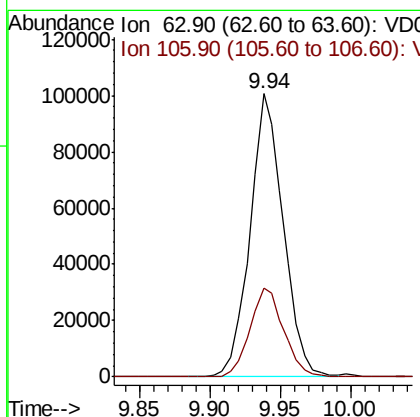
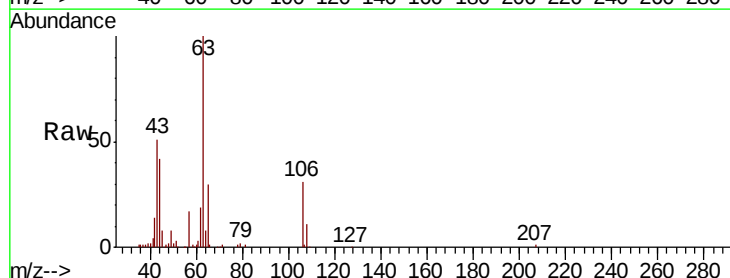
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

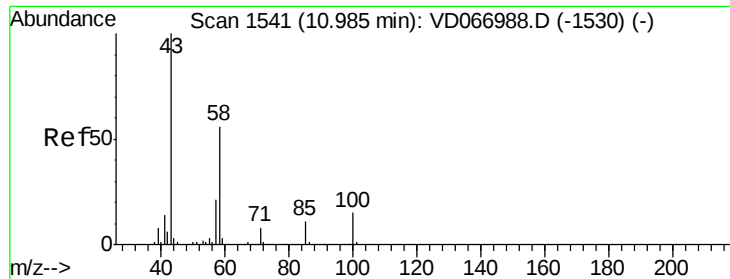
Tot Ion: 76 Resp: 93735
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.220 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion: 63 Resp: 166174
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.3 37.9

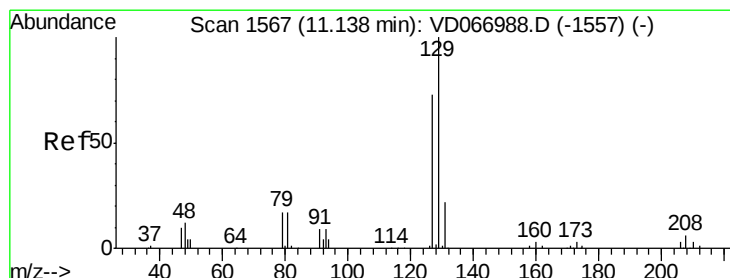
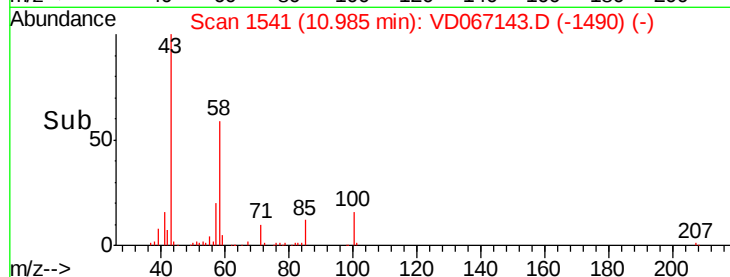
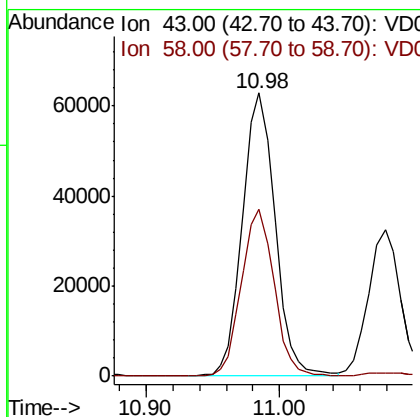
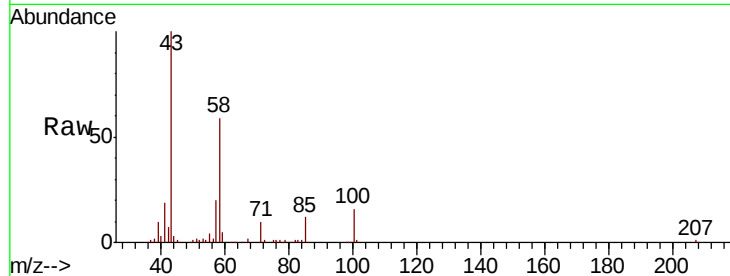




#59
2-Hexanone
Concen: 95.557 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

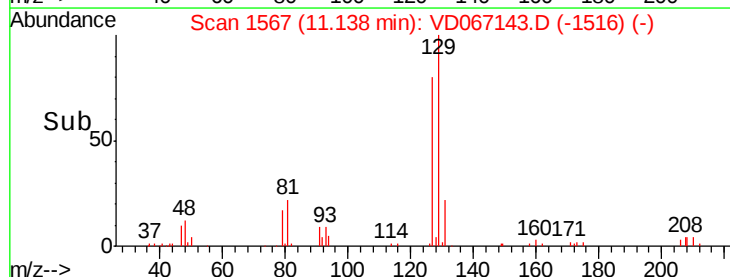
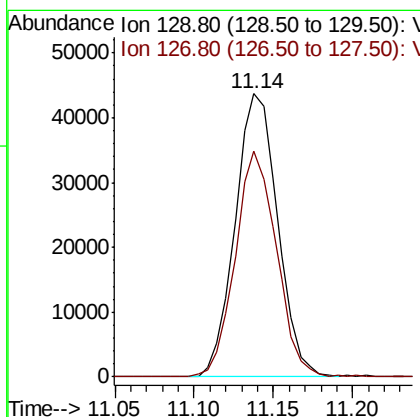
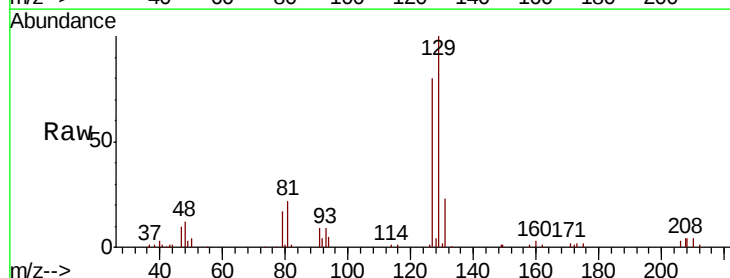
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

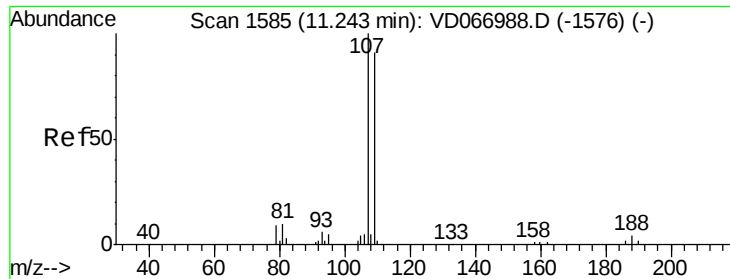
Tot Ion: 43 Resp: 106848
Ion Ratio Lower Upper
43 100
58 58.8 28.3 84.9



#60
Dibromochloromethane
Concen: 22.198 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 129 Resp: 81314
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.1

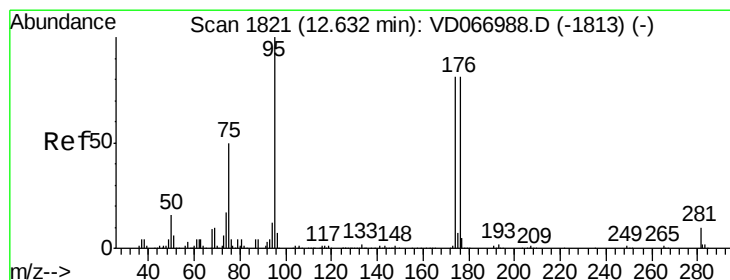
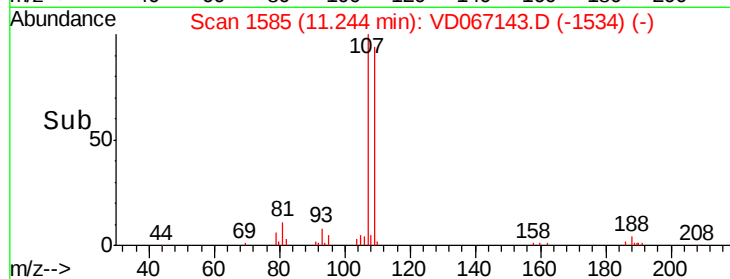
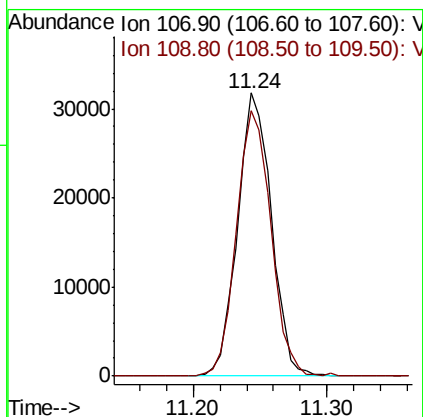
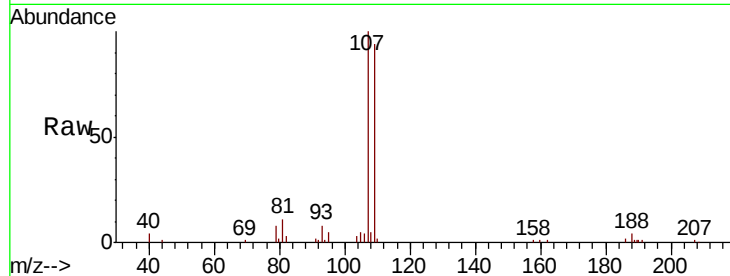




#61
 1,2-Dibromoethane
 Concen: 21.066 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

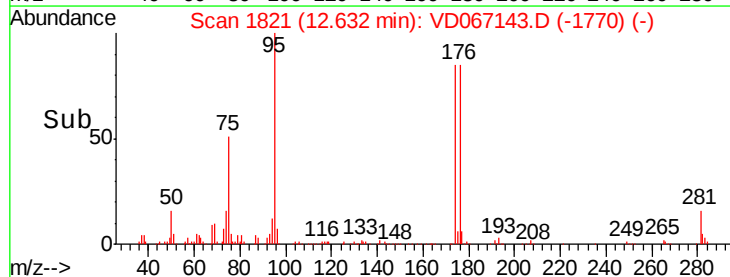
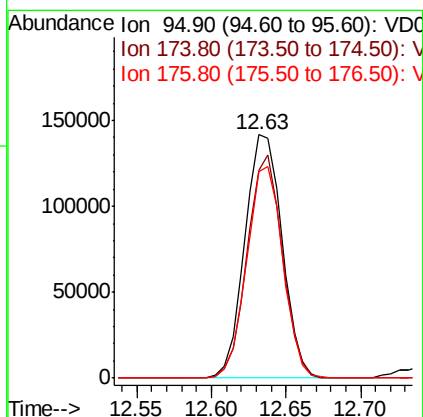
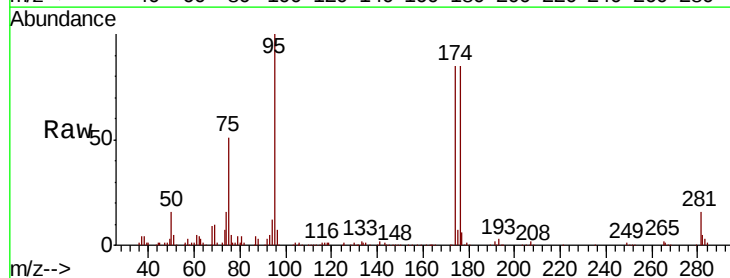
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

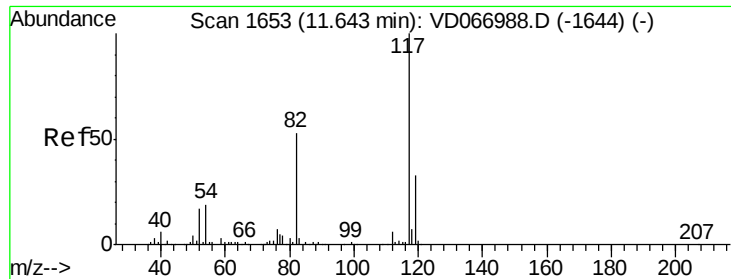
Tot Ion:107 Resp: 55622
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 53.395 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion: 95 Resp: 244488
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 167.6
 176 84.1 0.0 162.4

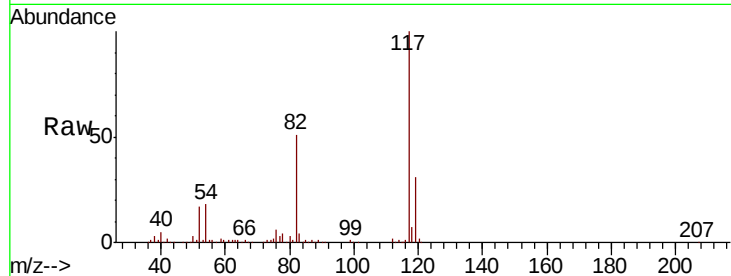




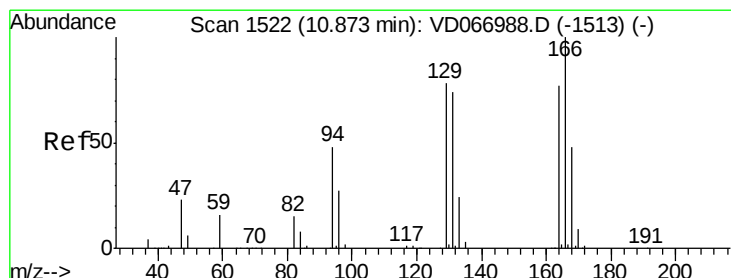
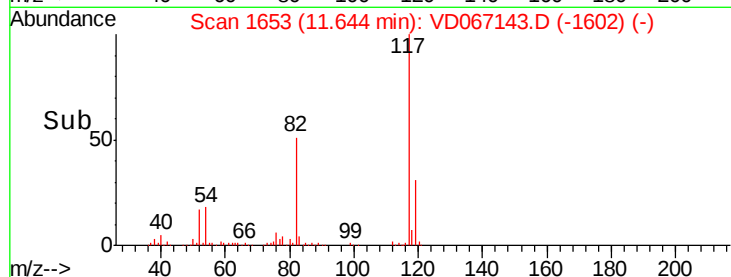
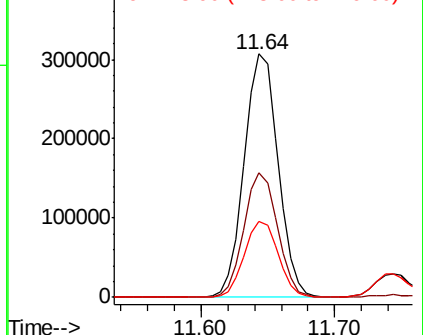
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion:117 Resp: 538712
Ion Ratio Lower Upper
117 100
82 51.3 42.6 63.8
119 31.0 26.3 39.5

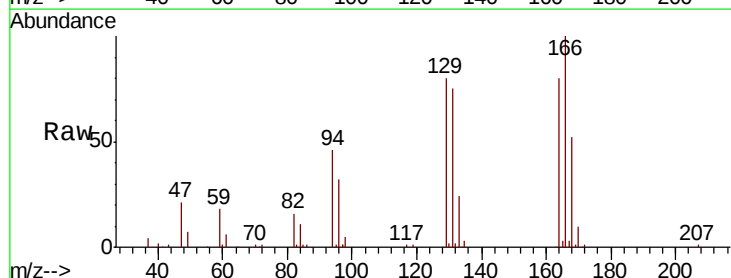


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

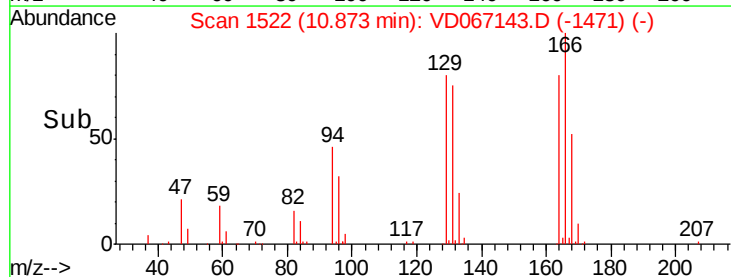
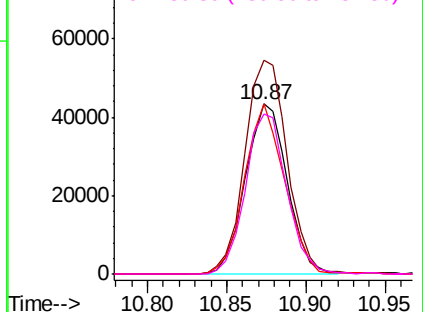


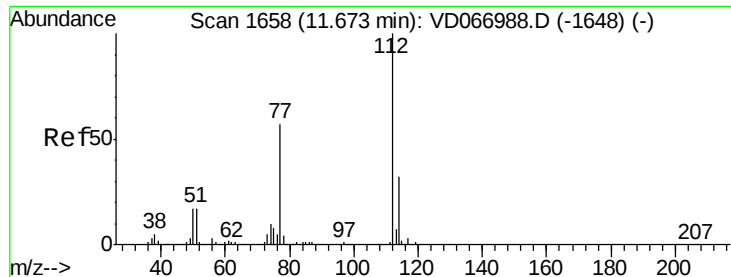
#64
Tetrachloroethene
Concen: 20.163 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion:164 Resp: 78966
Ion Ratio Lower Upper
164 100
166 125.6 104.4 156.6
129 100.1 81.3 121.9
131 94.4 77.1 115.7



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

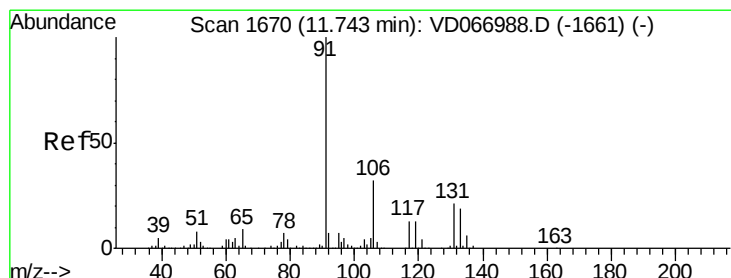
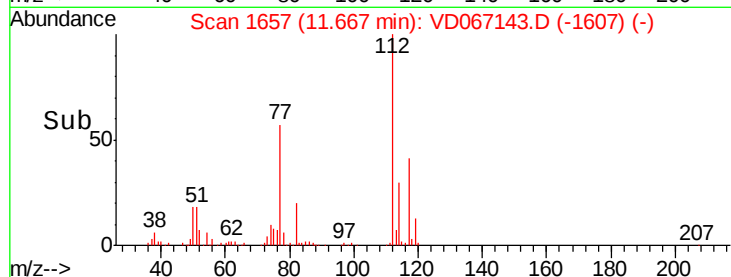
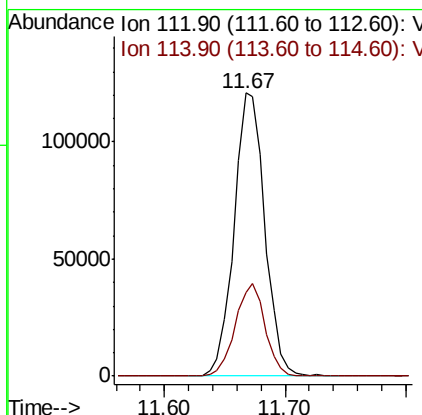
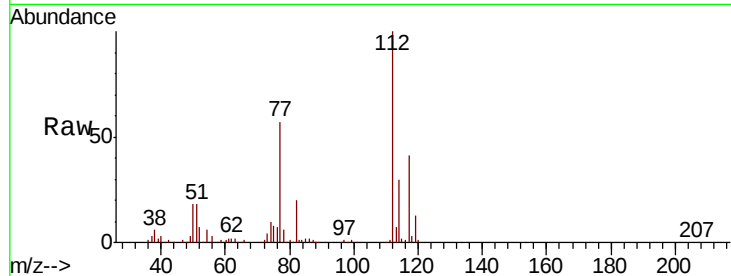




#65
Chlorobenzene
Concen: 20.002 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

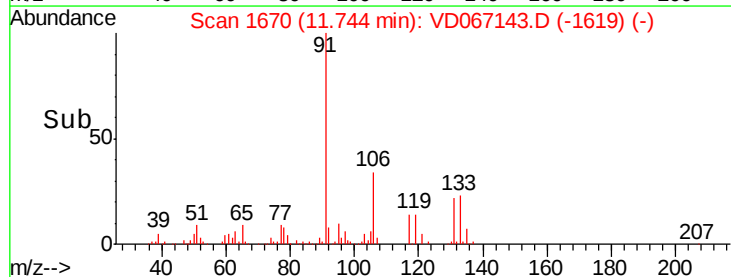
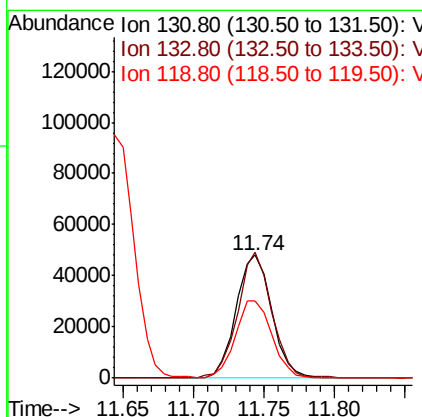
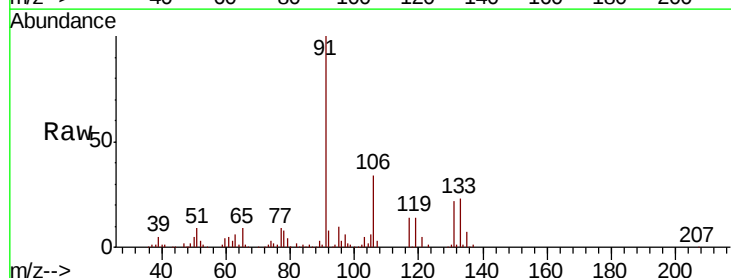
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

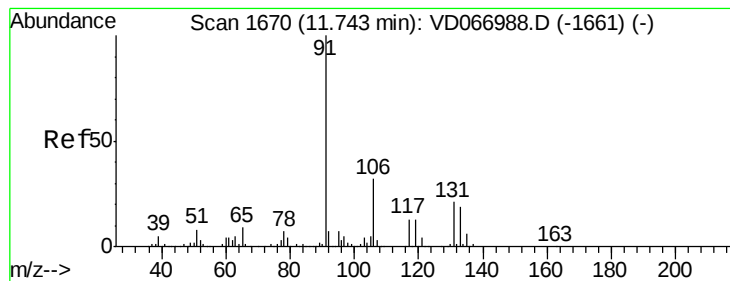
Tot Ion:112 Resp: 214310
Ion Ratio Lower Upper
112 100
114 29.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.808 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion:131 Resp: 84806
Ion Ratio Lower Upper
131 100
133 97.5 47.8 143.3
119 64.2 32.3 96.8





#67

Ethyl Benzene

Concen: 20.106 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

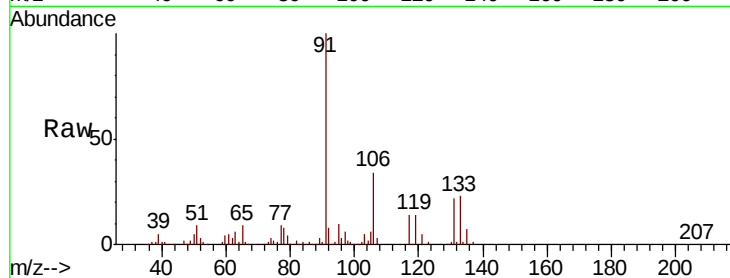
VD1007SBS01

Tot Ion: 91 Resp: 369105

Ion Ratio Lower Upper

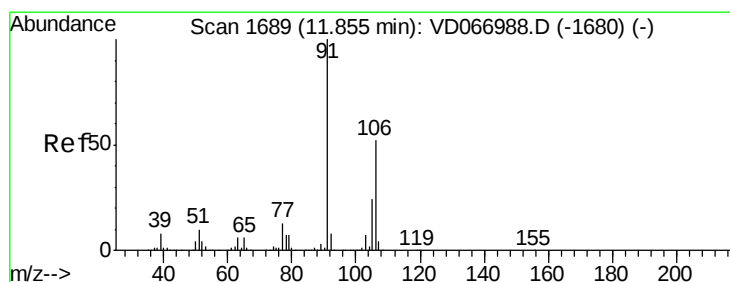
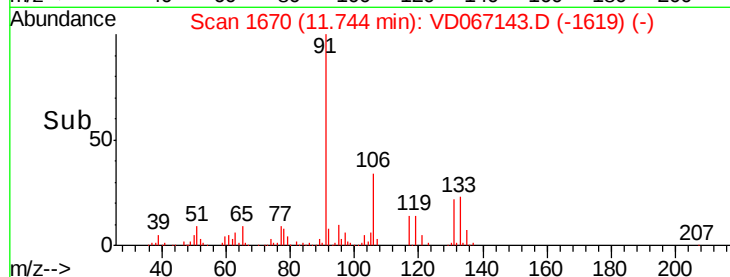
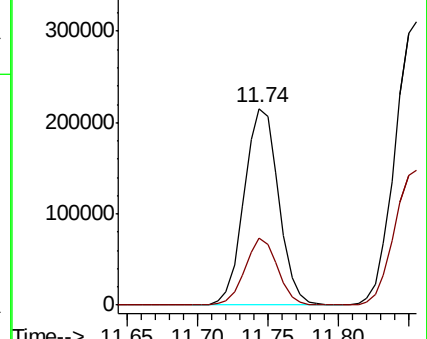
91 100

106 34.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.616 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067143.D

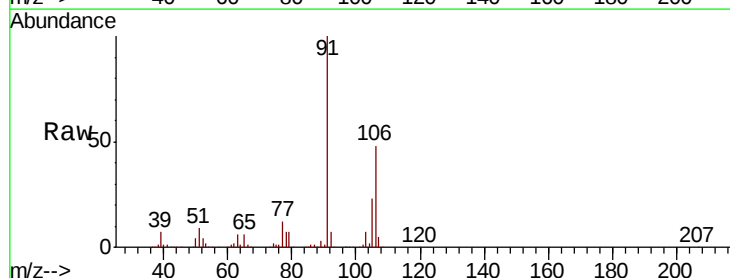
Acq: 07 Oct 2020 10:59

Tgt Ion: 106 Resp: 290579

Ion Ratio Lower Upper

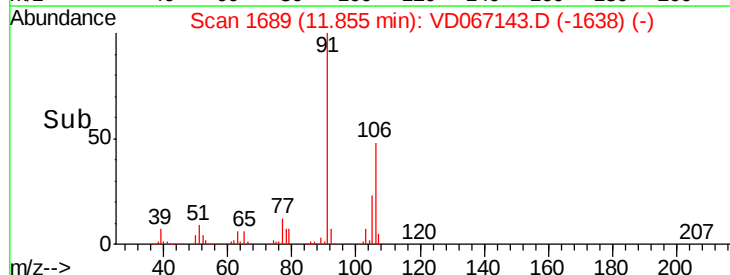
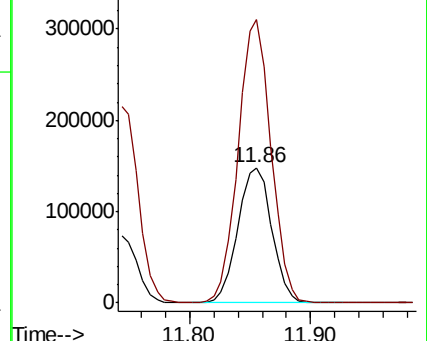
106 100

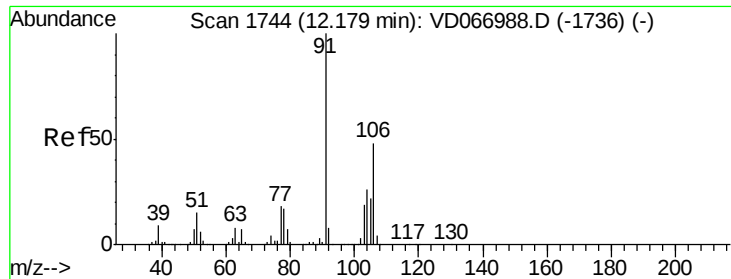
91 202.2 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

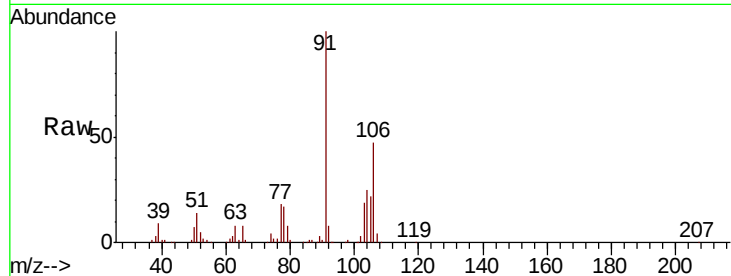




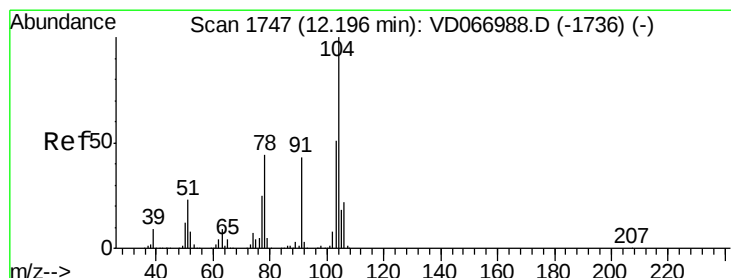
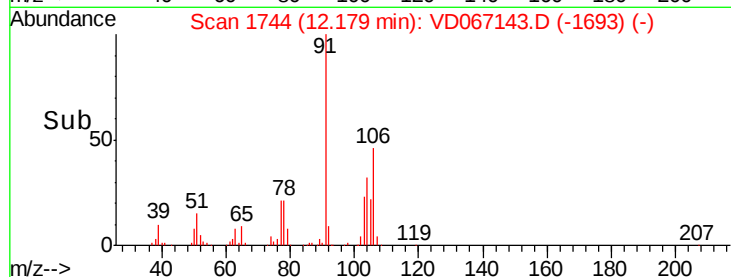
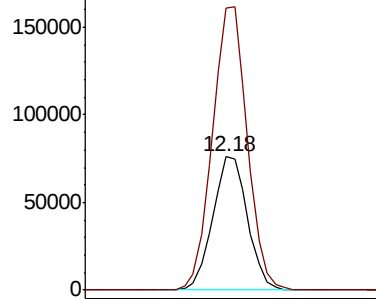
#69
o-Xylene
Concen: 20.510 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion:106 Resp: 131220
Ion Ratio Lower Upper
106 100
91 212.5 102.4 307.2

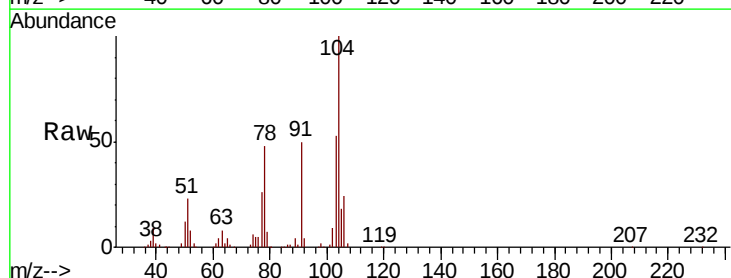


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

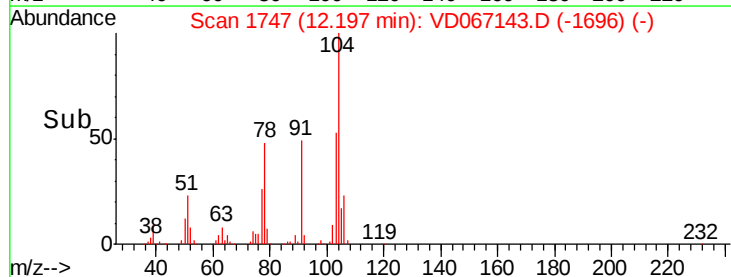
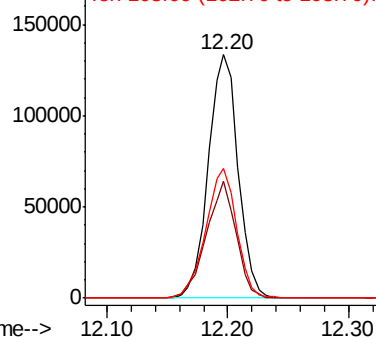


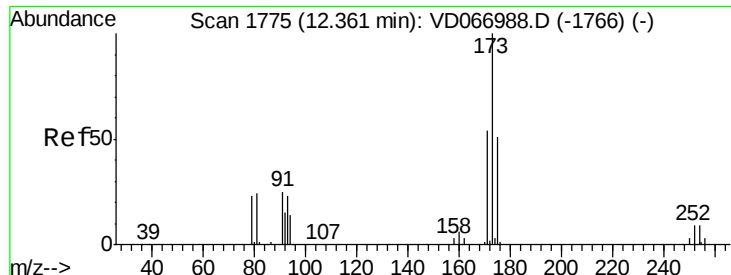
#70
Styrene
Concen: 20.878 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion:104 Resp: 229360
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 55.2 43.4 65.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.074 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

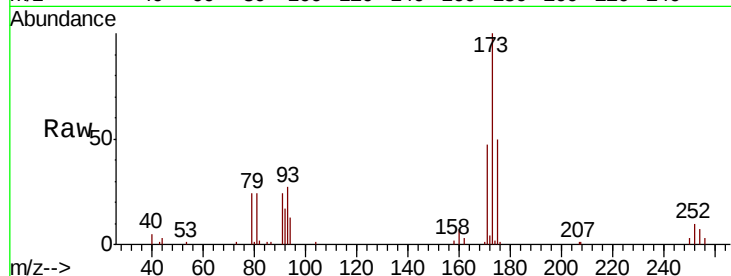
Tot Ion:173 Resp: 44584

Ion Ratio Lower Upper

173 100

175 51.1 24.9 74.7

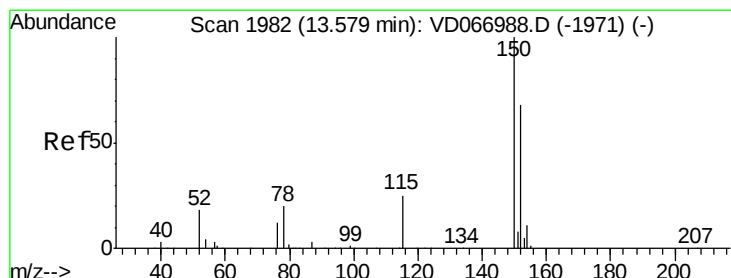
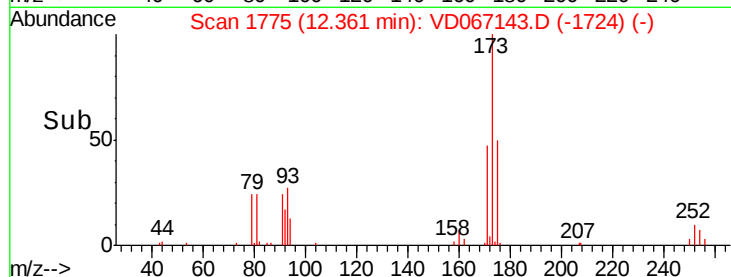
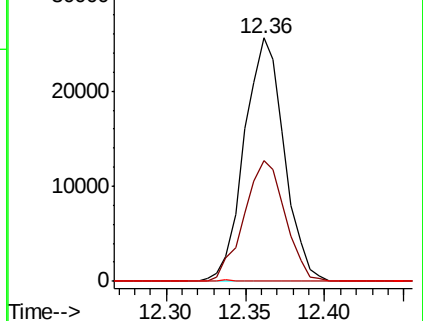
254 0.0 0.2 0.4#



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: VD067143.D

Acq: 07 Oct 2020 10:59

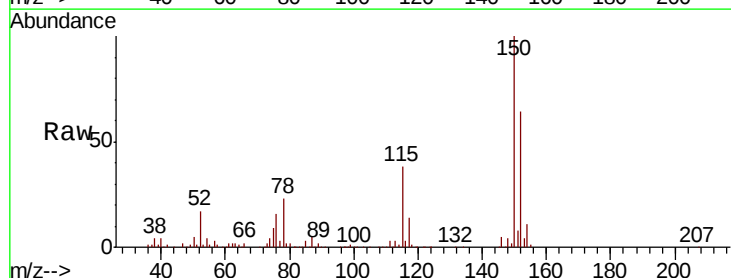
Tgt Ion:152 Resp: 263441

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.8

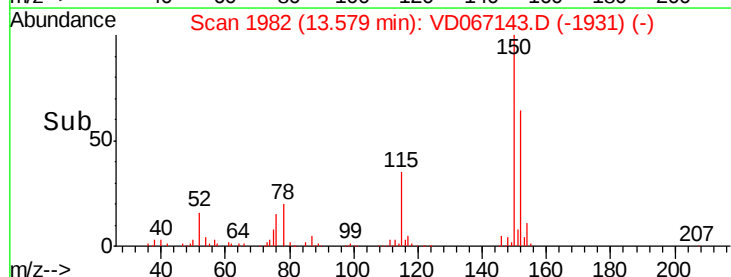
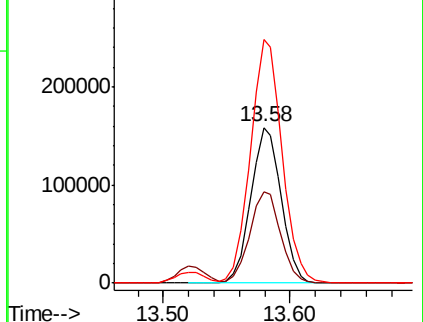
150 164.0 0.0 344.8

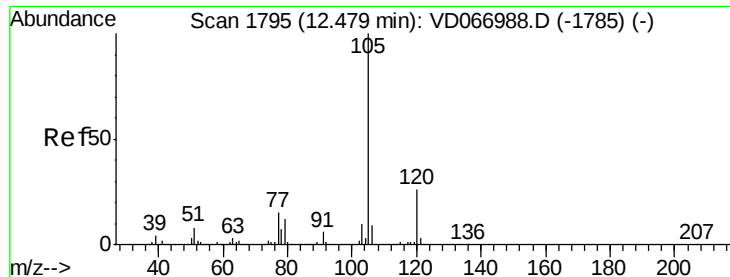


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.761 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

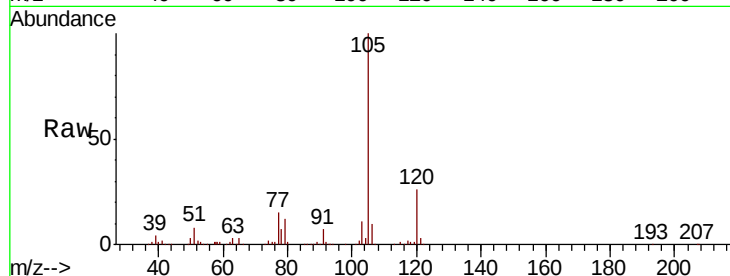
VD1007SBS01

Tot Ion:105 Resp: 371367

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

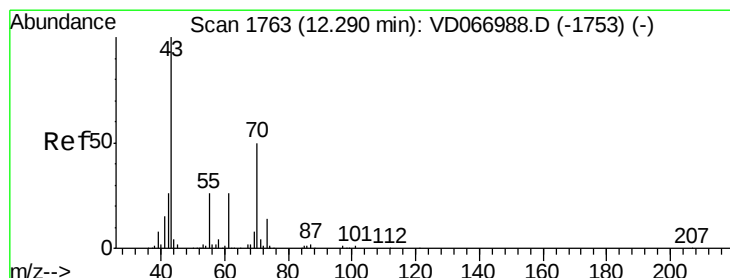
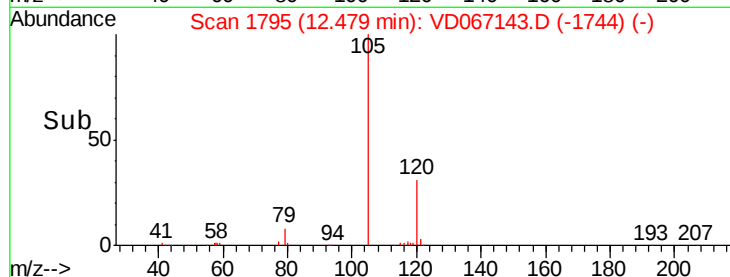
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 17.897 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion: 43 Resp: 57550

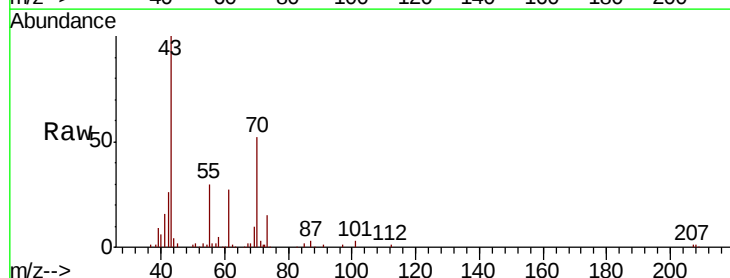
Ion Ratio Lower Upper

43 100

70 55.2 38.2 57.2

55 30.8 22.4 33.6

61 25.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

20000

10000

0

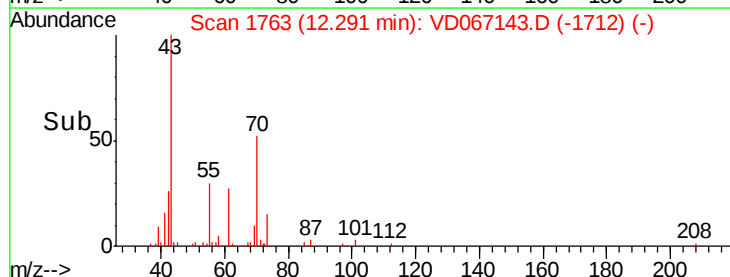
12.20

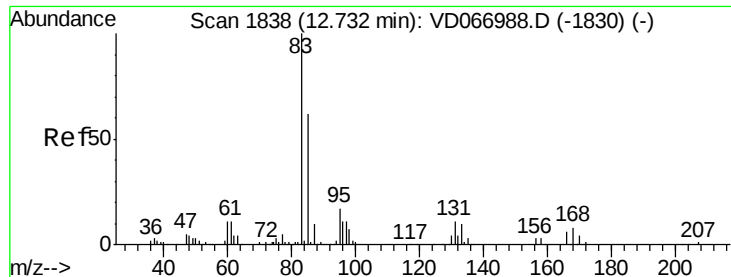
12.25

12.29

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.890 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

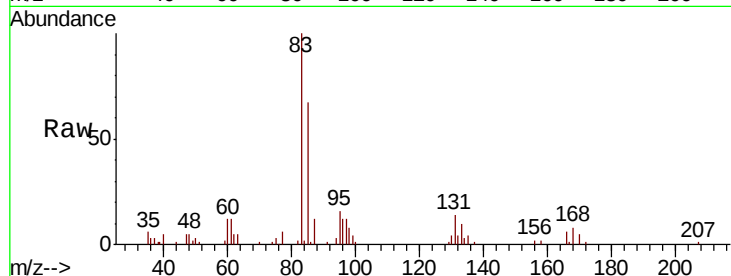
Tot Ion: 83 Resp: 59945

Ion Ratio Lower Upper

83 100

131 12.9 5.7 17.0

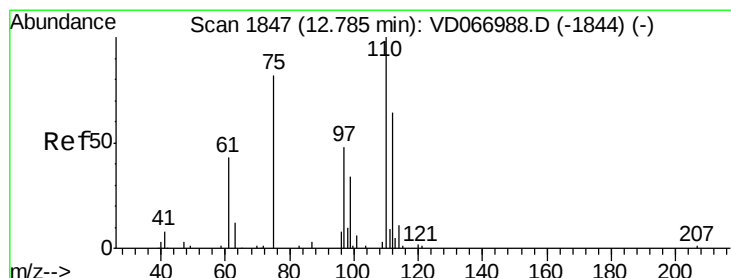
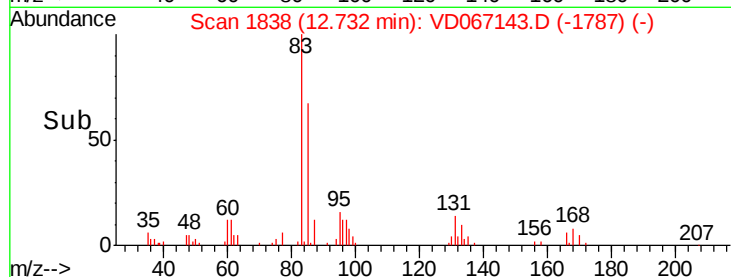
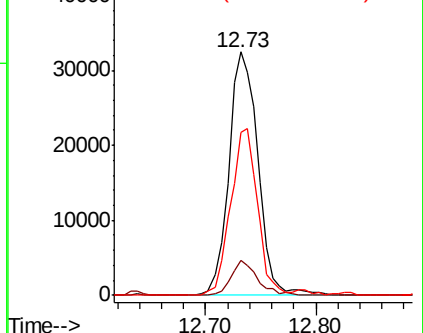
85 63.2 32.0 96.2



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: 33.741 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067143.D

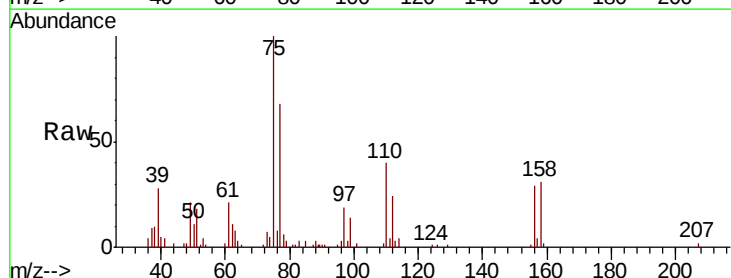
Acq: 07 Oct 2020 10:59

Tgt Ion: 75 Resp: 77424

Ion Ratio Lower Upper

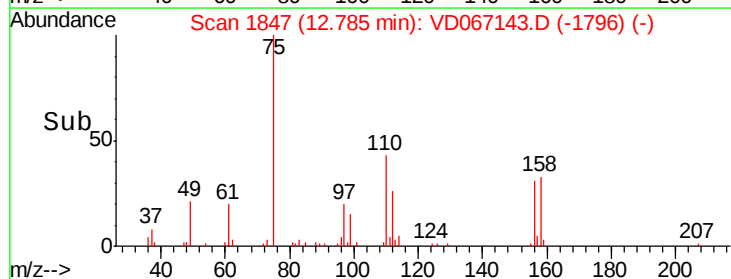
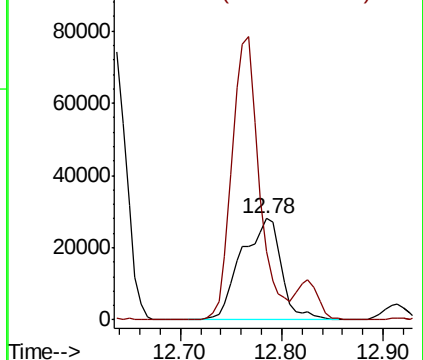
75 100

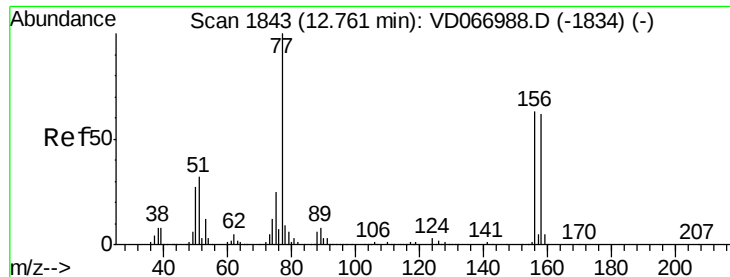
77 192.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.428 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

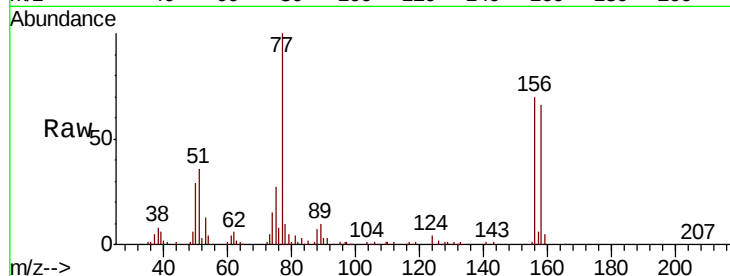
Tot Ion:156 Resp: 92553

Ion Ratio Lower Upper

156 100

77 160.7 86.3 258.8

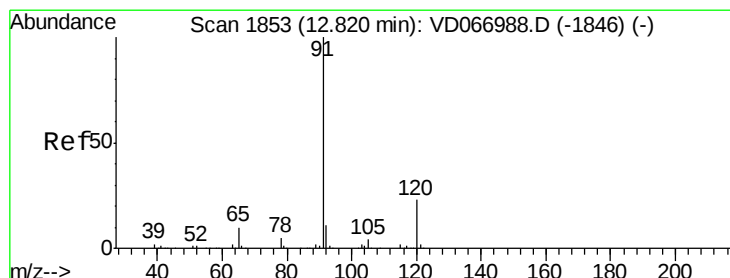
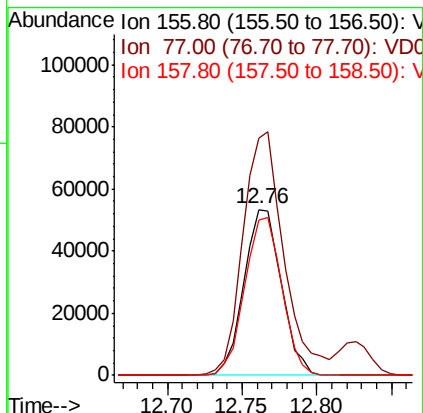
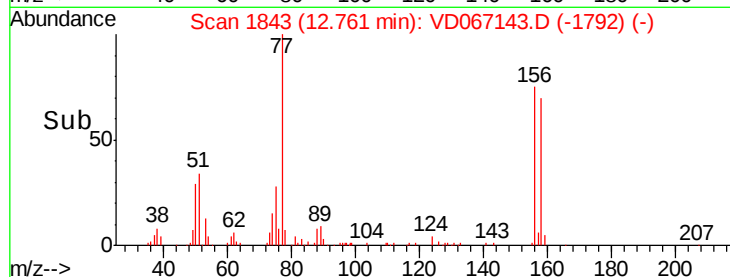
158 94.7 49.5 148.3



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: 20.589 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067143.D

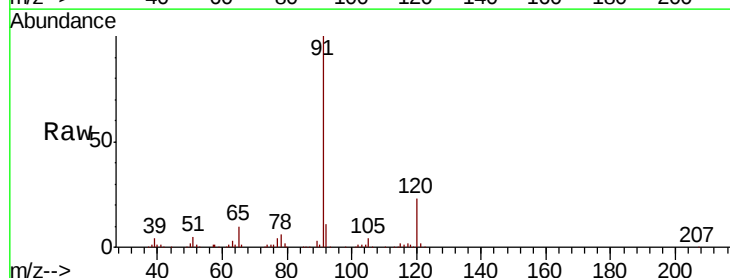
Acq: 07 Oct 2020 10:59

Tgt Ion: 91 Resp: 435264

Ion Ratio Lower Upper

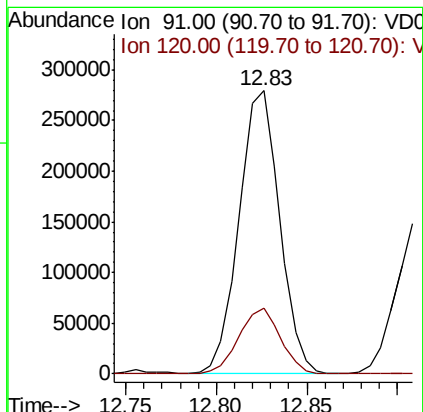
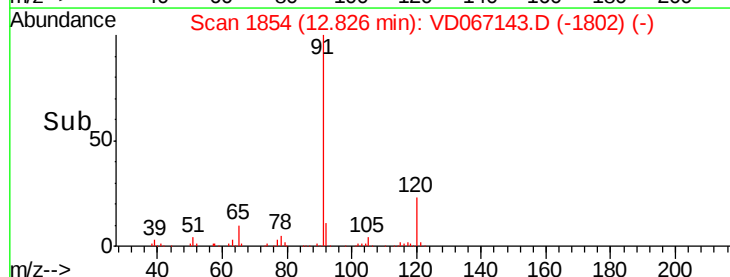
91 100

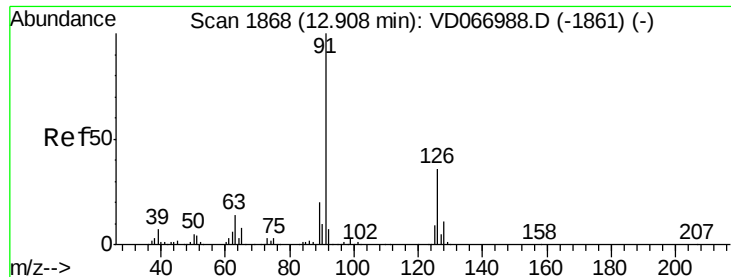
120 23.7 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.715 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

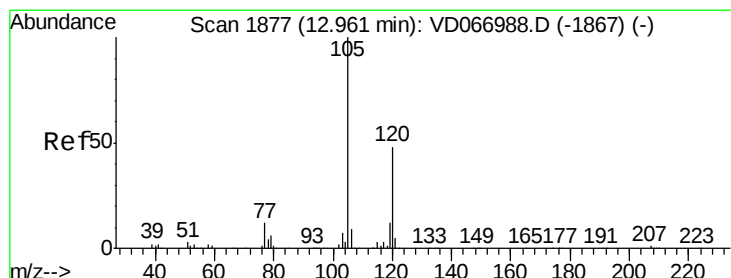
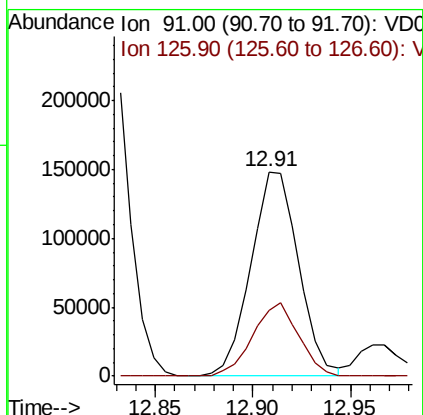
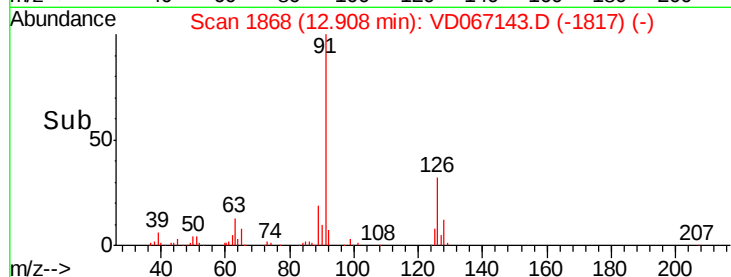
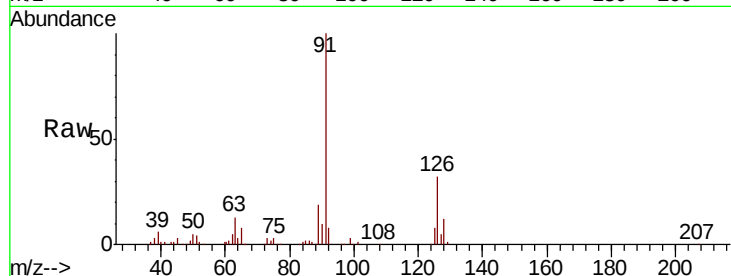
VD1007SBS01

Tot Ion: 91 Resp: 250559

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 21.100 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067143.D

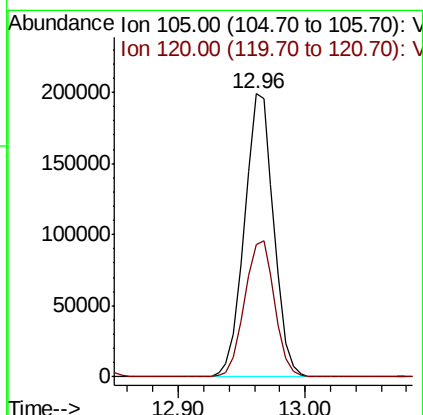
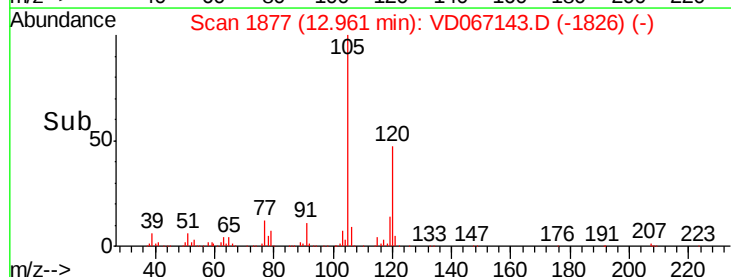
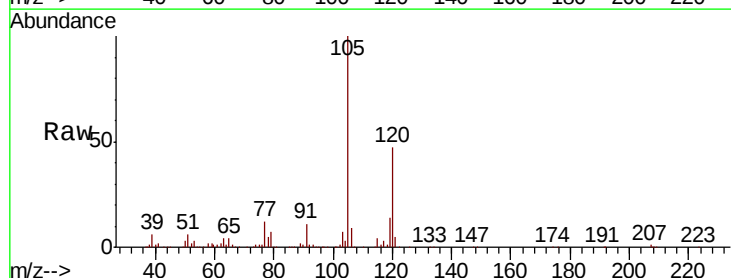
Acq: 07 Oct 2020 10:59

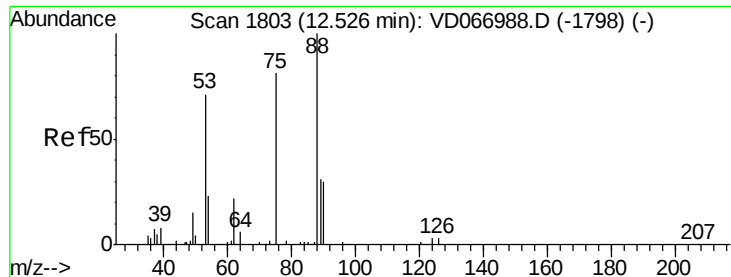
Tgt Ion:105 Resp: 318884

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.816 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

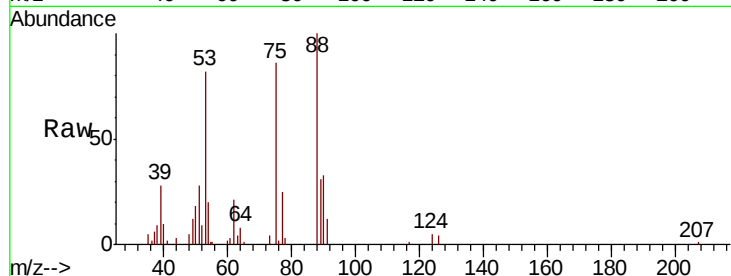
Tot Ion: 75 Resp: 17318

Ion Ratio Lower Upper

75 100

53 92.0 73.8 110.6

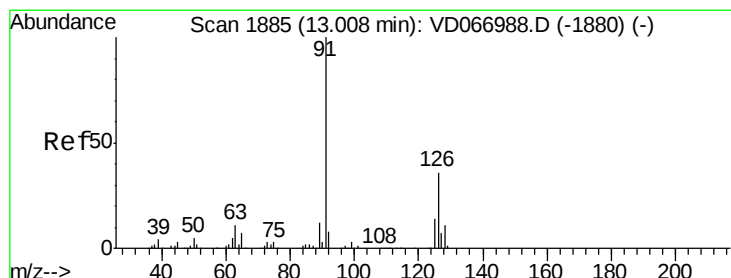
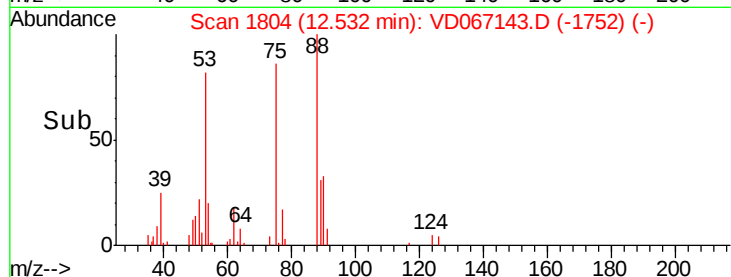
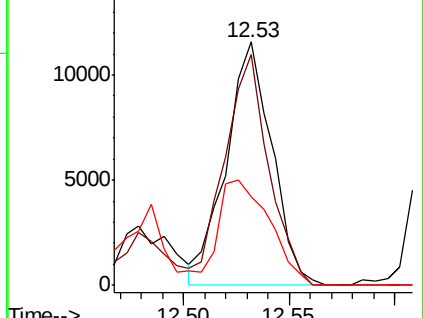
89 47.8 38.9 58.3



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: 20.514 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067143.D

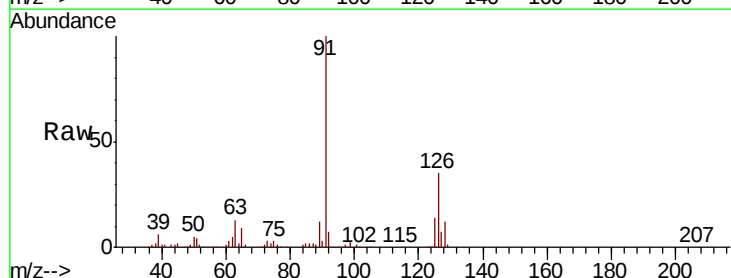
Acq: 07 Oct 2020 10:59

Tgt Ion: 91 Resp: 263994

Ion Ratio Lower Upper

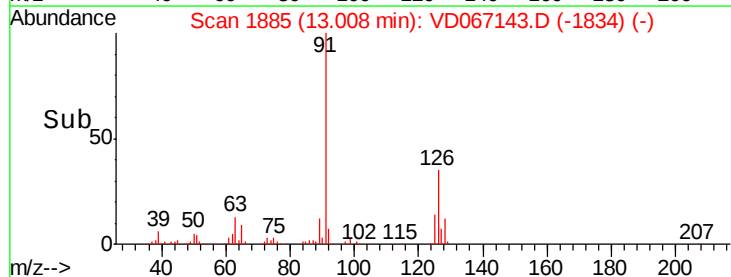
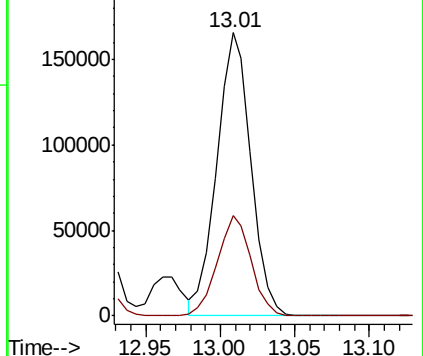
91 100

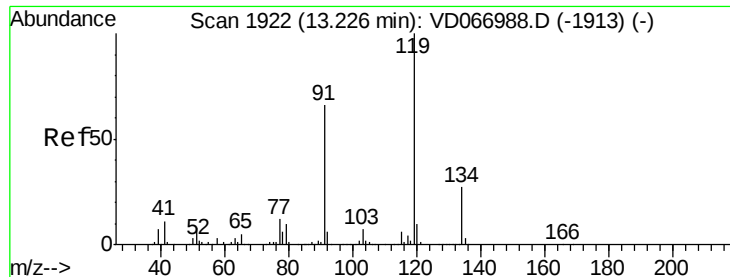
126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

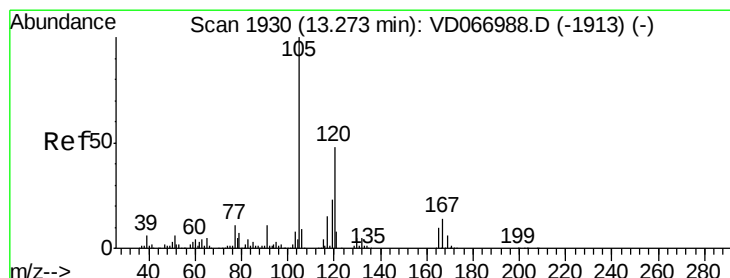
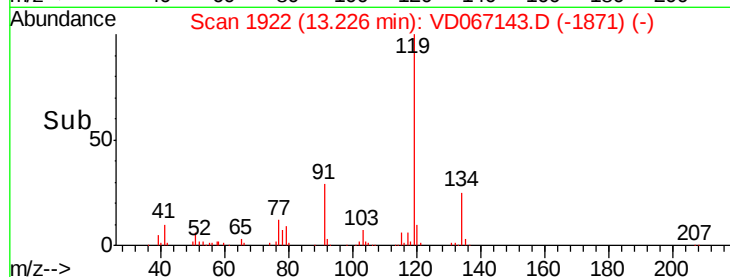
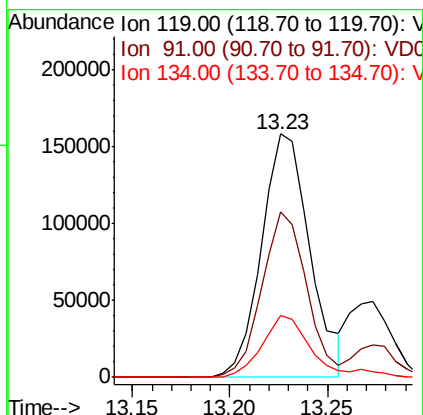
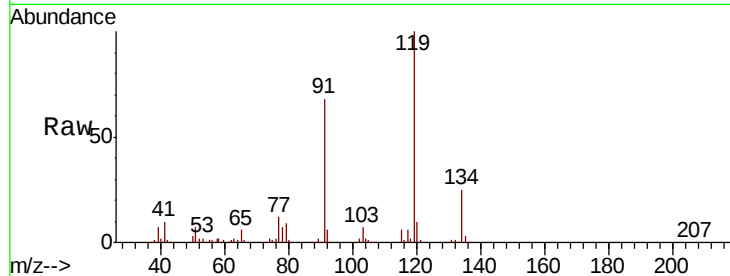




#83
 tert-Butylbenzene
 Concen: 21.350 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

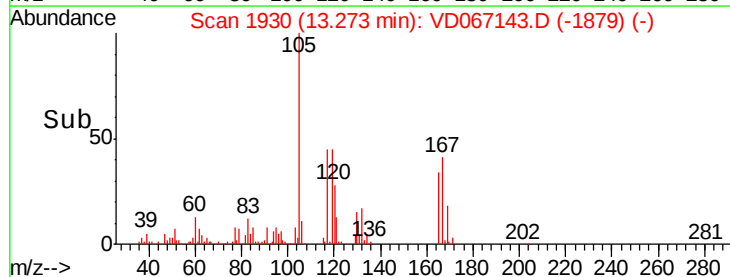
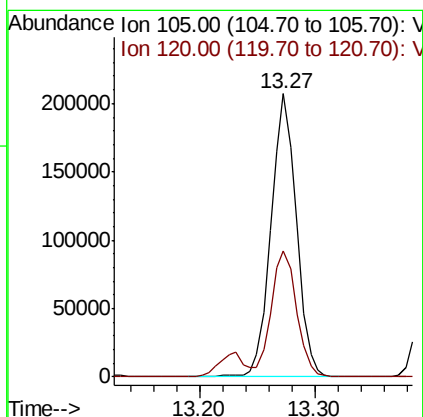
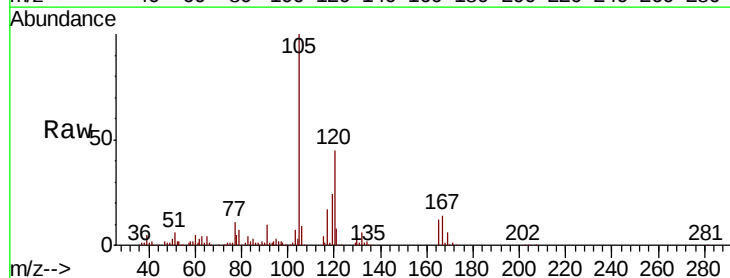
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

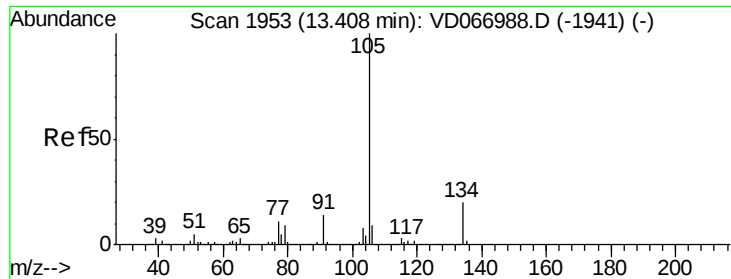
Tot Ion:119 Resp: 271717
 Ion Ratio Lower Upper
 119 100
 91 62.9 32.8 98.3
 134 24.5 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.072 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion:105 Resp: 317811
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 20.637 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

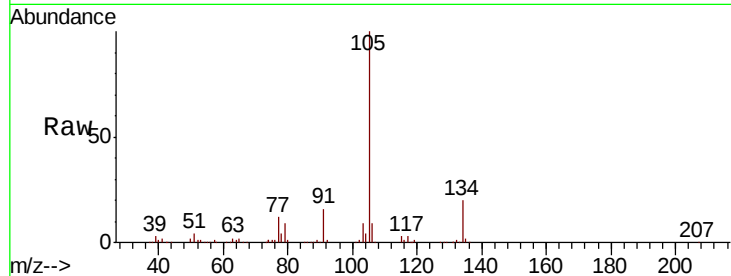
VD1007SBS01

Tot Ion:105 Resp: 369863

Ion Ratio Lower Upper

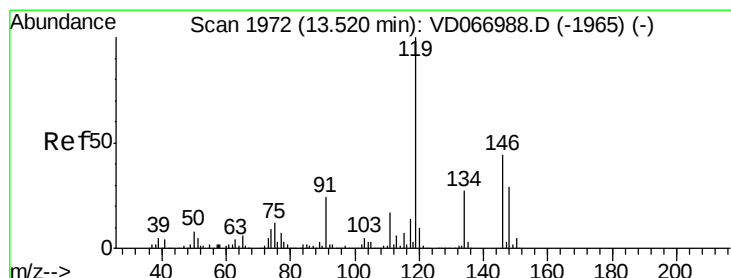
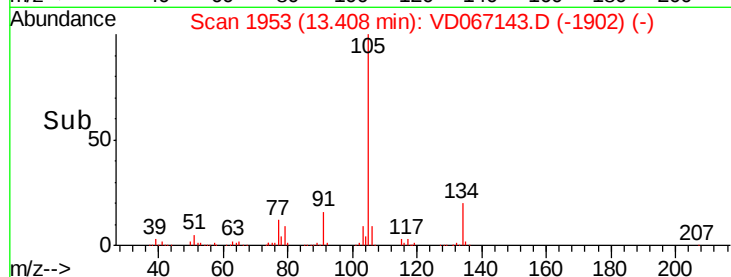
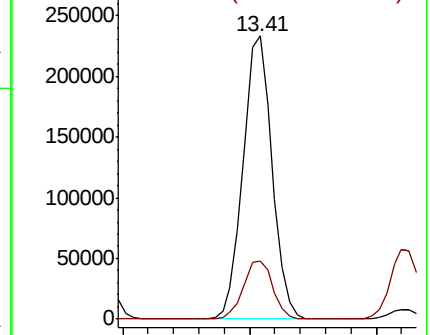
105 100

134 21.0 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.180 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

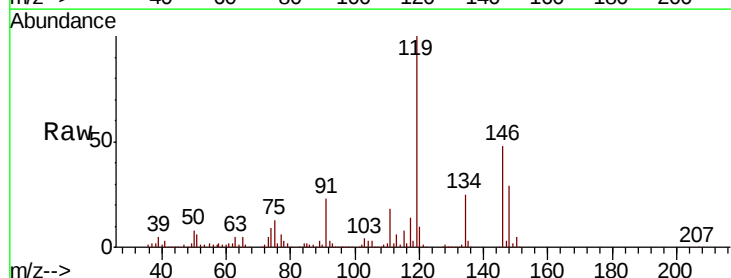
Tgt Ion:119 Resp: 351936

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

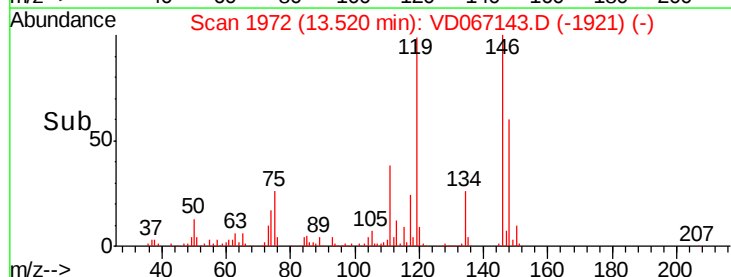
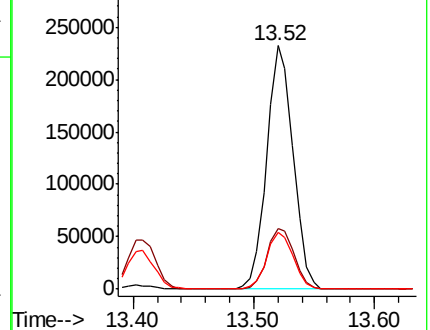
91 23.2 11.7 35.1

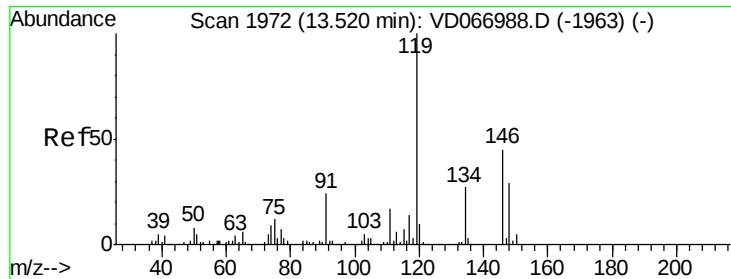


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.978 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

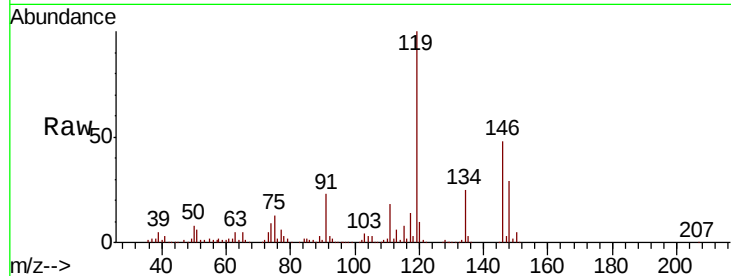
Tot Ion:146 Resp: 176494

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

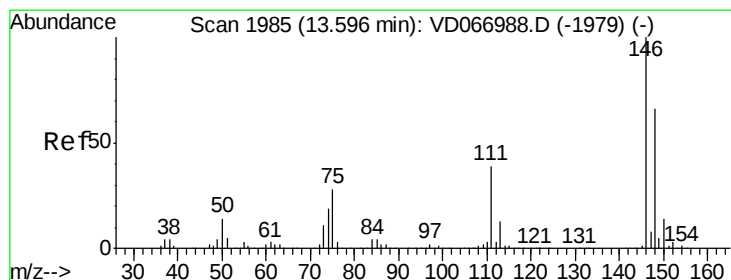
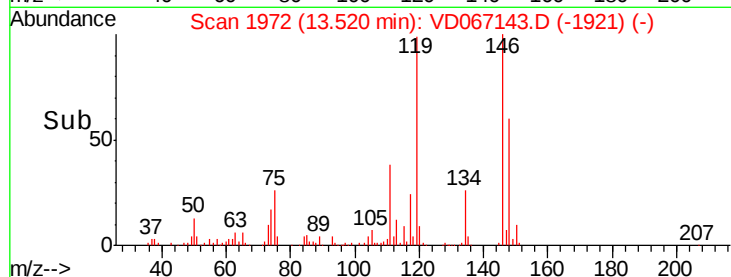
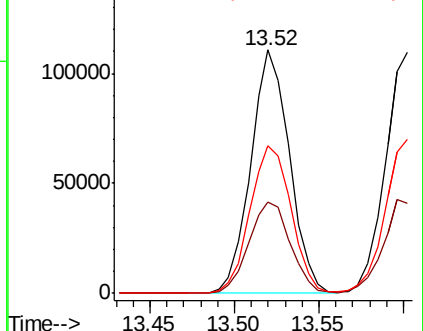
148 64.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.995 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

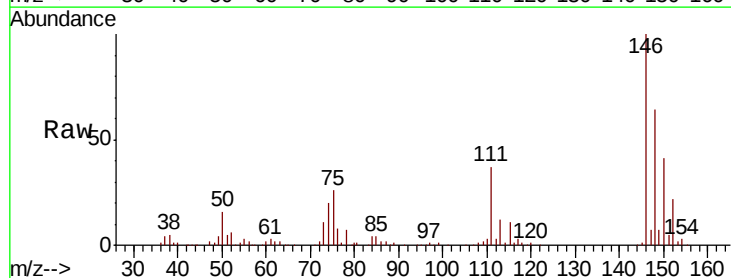
Tgt Ion:146 Resp: 176620

Ion Ratio Lower Upper

146 100

111 40.5 19.6 58.7

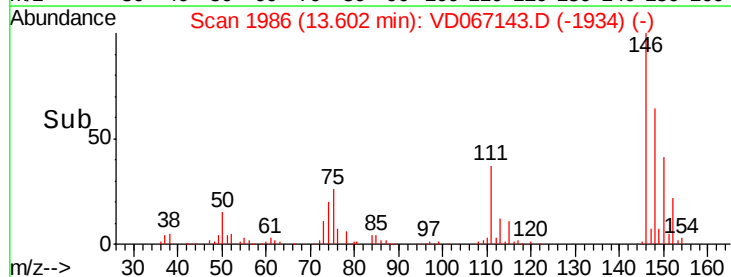
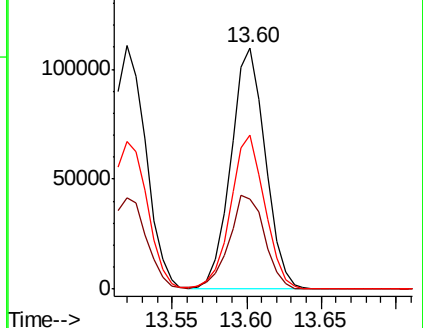
148 63.3 32.6 97.7

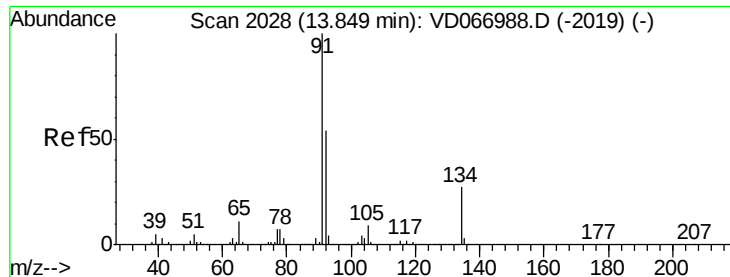


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

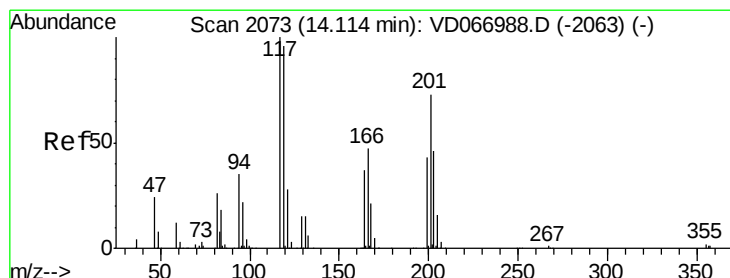
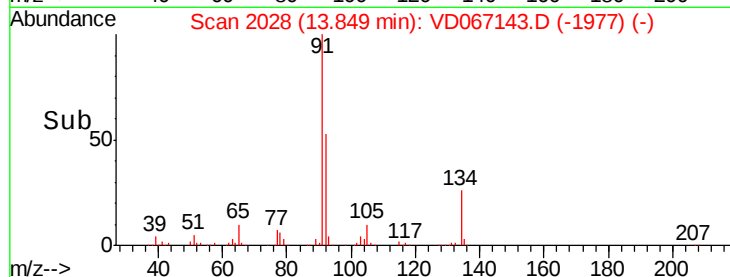
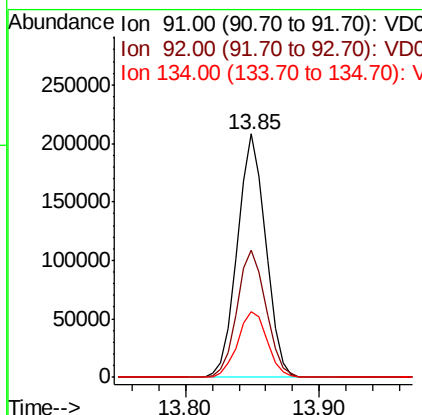
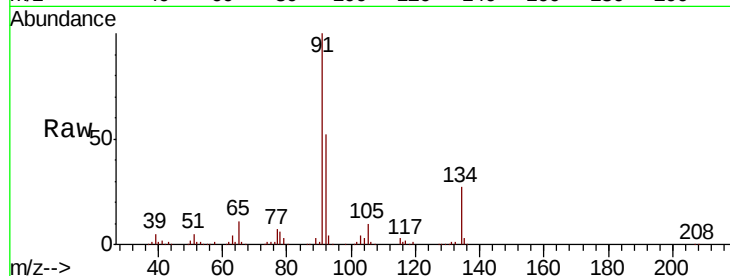




#89
n-Butylbenzene
Concen: 20.148 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

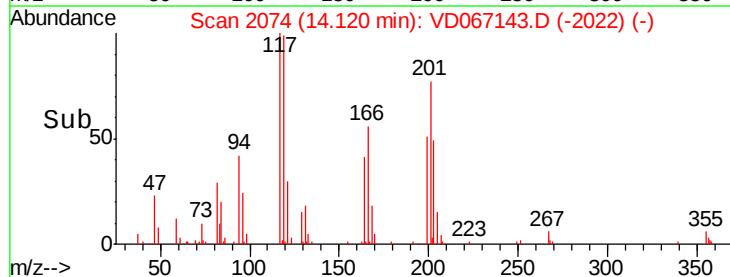
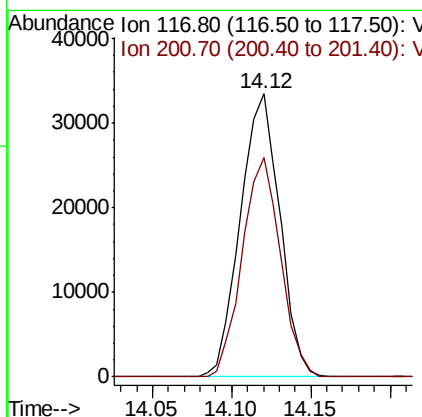
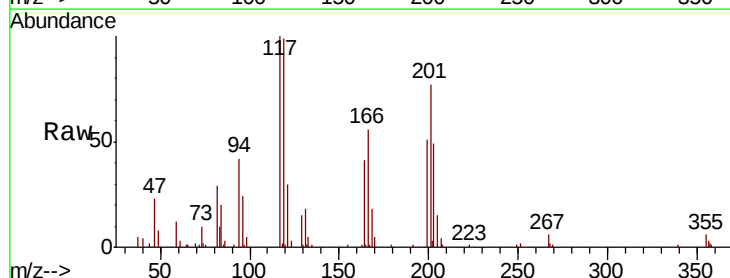
Instrument :
MSVOA_D
ClientSampleID :
VD1007SBS01

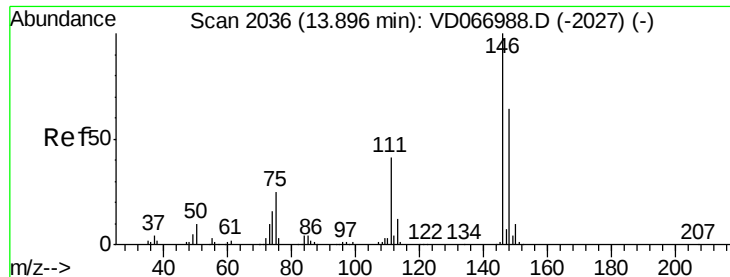
Tot Ion: 91 Resp: 305957
Ion Ratio Lower Upper
91 100
92 53.6 27.1 81.2
134 28.2 13.6 40.8



#90
Hexachloroethane
Concen: 19.907 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 117 Resp: 57941
Ion Ratio Lower Upper
117 100
201 74.9 37.0 110.9

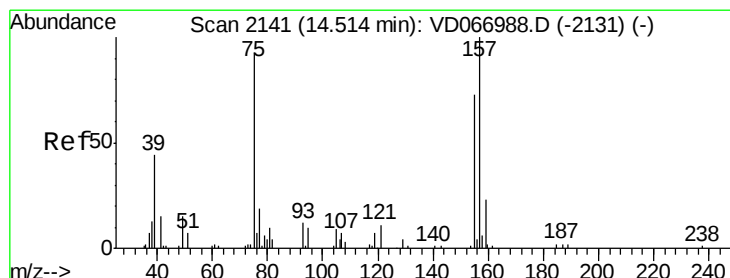
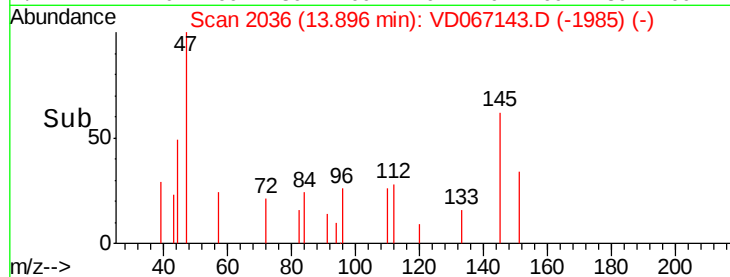
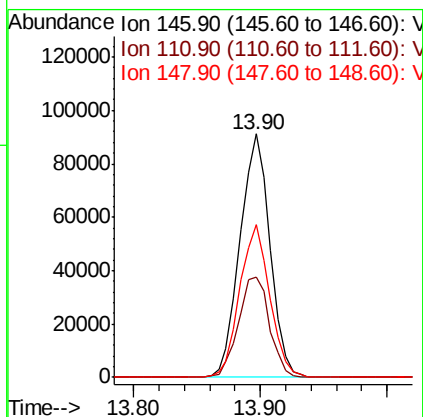
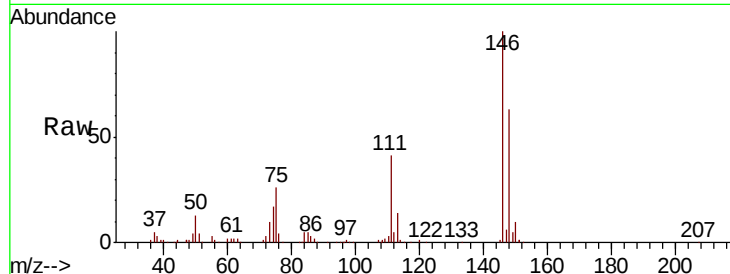




#91
 1,2-Dichlorobenzene
 Concen: 20.344 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

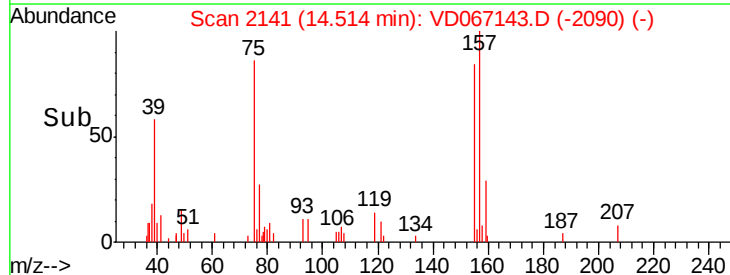
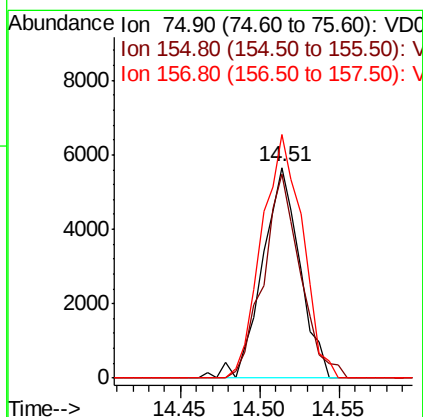
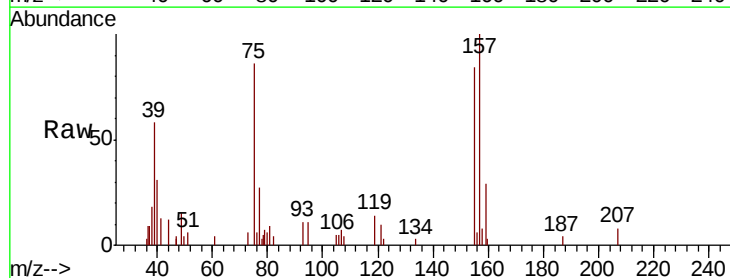
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

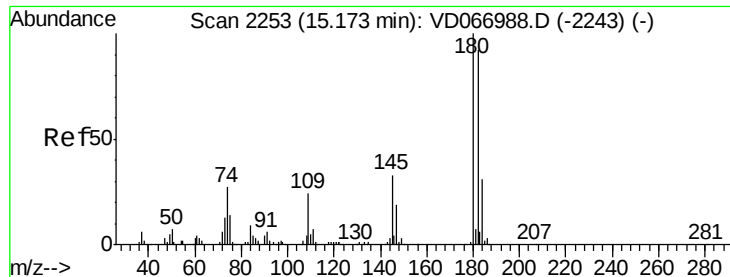
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.7
148	62.9	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.056 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	45.2	135.6
157	126.2	56.3	168.8

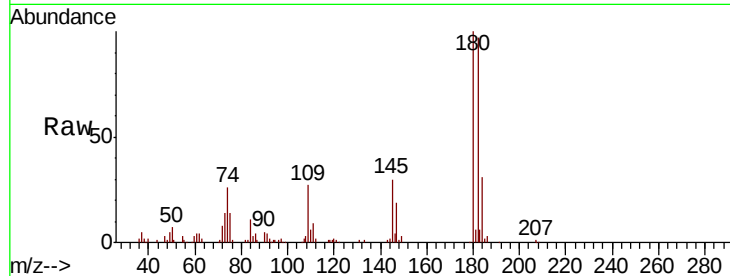




#93
 1,2,4-Trichlorobenzene
 Concen: 21.278 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	142.0
145	29.9	16.4	49.1

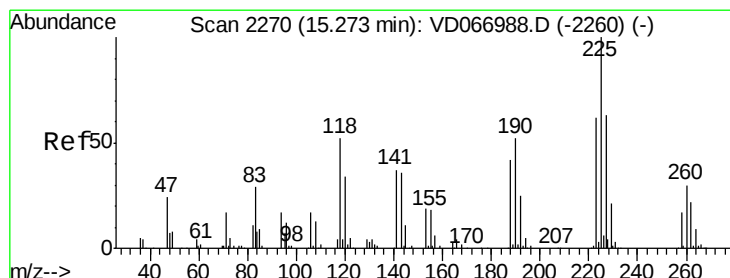
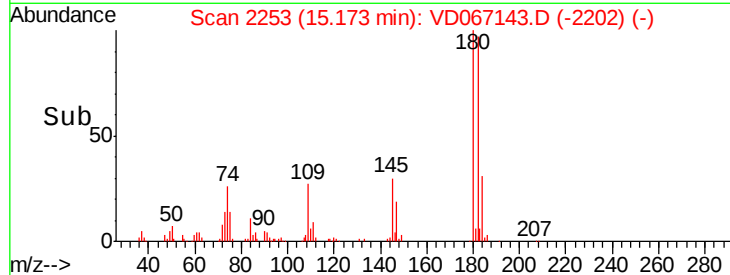
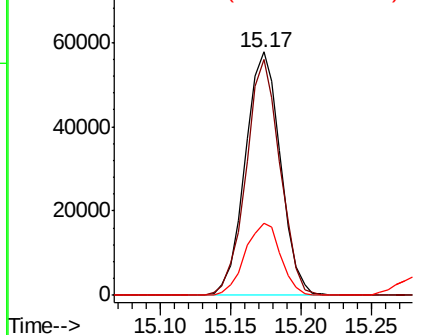


Abundance

Ion 179.80 (179.50 to 180.50): V

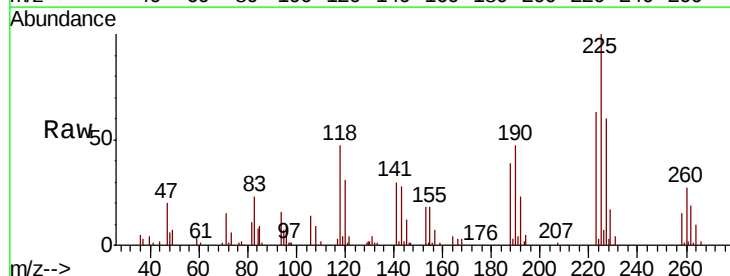
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.074 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.4	97.0
227	61.2	31.6	95.0

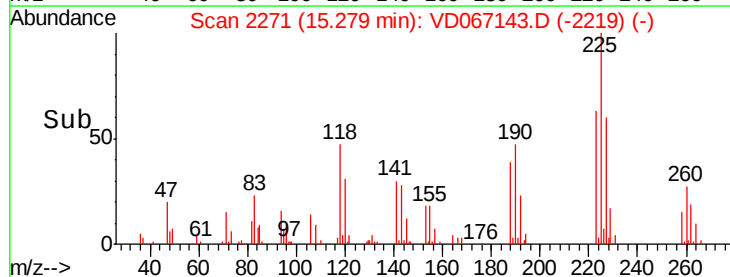
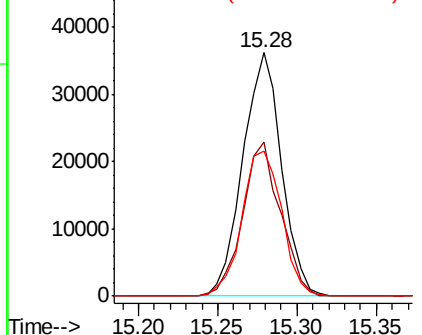


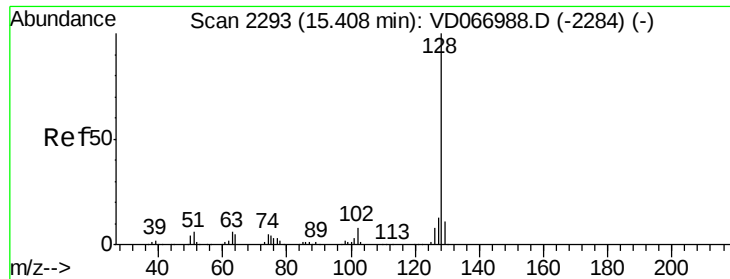
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

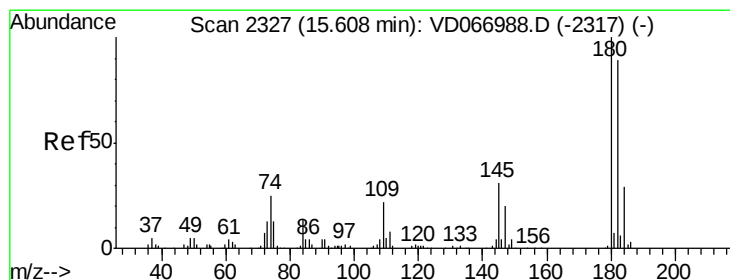
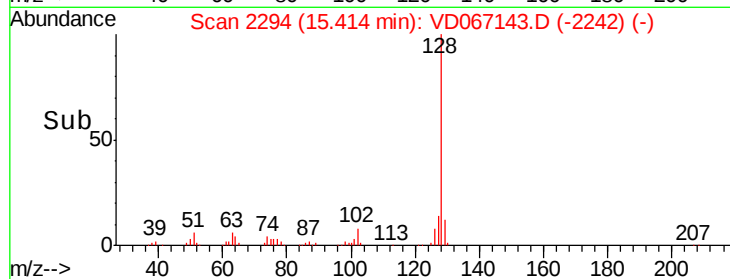
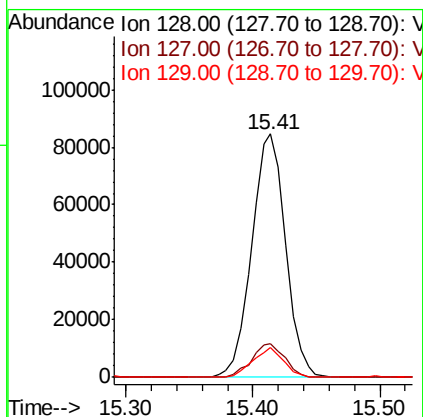
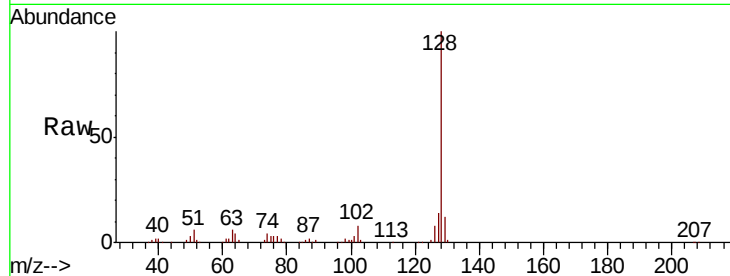




#95
Naphthalene
Concen: 19.740 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion:128 Resp: 156483
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.877 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion:180 Resp: 86131
Ion Ratio Lower Upper
180 100
182 95.9 46.4 139.1
145 32.3 16.6 49.7

