

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067745.D
 Acq On : 23 Nov 2020 14:59
 Operator : VA/SY
 Sample : VD1123SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Quant Time: Nov 24 00:55:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	277885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	190174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	141939	52.53	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.06%
35) Dibromofluoromethane	7.91	113	130854	50.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.92%
50) Toluene-d8	10.34	98	485317	51.70	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.40%
62) 4-Bromofluorobenzene	12.64	95	168134	52.40	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	46553	19.251	ug/l 100
3) Chloromethane	2.21	50	30205	22.436	ug/l 94
4) Vinyl Chloride	2.35	62	33816	20.045	ug/l 100
5) Bromomethane	2.76	94	30341	21.110	ug/l 98
6) Chloroethane	2.92	64	22329	19.860	ug/l 97
7) Trichlorofluoromethane	3.27	101	106781	20.742	ug/l 91
8) Diethyl Ether	3.70	74	22414	21.565	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	50871	20.636	ug/l 97
10) Methyl Iodide	4.30	142	45243	17.931	ug/l 99
11) Tert butyl alcohol	5.21	59	10825	41.314	ug/l # 84
12) 1,1-Dichloroethene	4.07	96	46434	20.357	ug/l 93
13) Acrolein	3.93	56	11384	101.650	ug/l 91
14) Allyl chloride	4.71	41	44584	20.220	ug/l 95
15) Acrylonitrile	5.42	53	36586	101.065	ug/l 97
16) Acetone	4.16	43	34927	100.062	ug/l 96
17) Carbon Disulfide	4.41	76	137082	20.778	ug/l 97
18) Methyl Acetate	4.72	43	13853	19.727	ug/l 99
19) Methyl tert-butyl Ether	5.48	73	100908	20.699	ug/l 99
20) Methylene Chloride	4.96	84	60267	18.210	ug/l 95
21) trans-1,2-Dichloroethene	5.47	96	55596	21.438	ug/l 93
22) Diisopropyl ether	6.37	45	97604	22.425	ug/l 93
23) Vinyl Acetate	6.31	43	260783	106.216	ug/l 94
24) 1,1-Dichloroethane	6.26	63	80181	21.728	ug/l 97
25) 2-Butanone	7.21	43	41995	107.215	ug/l 90
26) 2,2-Dichloropropane	7.21	77	90362	20.757	ug/l 97
27) cis-1,2-Dichloroethene	7.21	96	57054	20.640	ug/l 97
28) Bromochloromethane	7.55	49	24629	20.836	ug/l 97
29) Tetrahydrofuran	7.56	42	23220	104.266	ug/l 95
30) Chloroform	7.71	83	101186	20.969	ug/l 94
31) Cyclohexane	7.99	56	67608	20.680	ug/l 90
32) 1,1,1-Trichloroethane	7.91	97	104293	20.408	ug/l 98
36) 1,1-Dichloropropene	8.12	75	71877	20.760	ug/l 100
37) Ethyl Acetate	7.29	43	19592	21.045	ug/l 97
38) Carbon Tetrachloride	8.10	117	100573	20.040	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067745.D
 Acq On : 23 Nov 2020 14:59
 Operator : VA/SY
 Sample : VD1123SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Quant Time: Nov 24 00:55:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84228	20.557	ug/l	97
40) Benzene	8.36	78	195693	20.580	ug/l	97
41) Methacrylonitrile	7.53	41	8862	18.641	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	64815	20.089	ug/l	100
43) Isopropyl Acetate	8.46	43	38797	20.868	ug/l	97
44) Trichloroethene	9.11	130	64646	20.512	ug/l	96
45) 1,2-Dichloropropane	9.38	63	41748	21.397	ug/l	93
46) Dibromomethane	9.48	93	26765	20.149	ug/l	97
47) Bromodichloromethane	9.67	83	77353	20.912	ug/l	94
48) Methyl methacrylate	9.46	41	17566	18.899	ug/l	96
49) 1,4-Dioxane	9.46	88	5987	415.884	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	89067	101.809	ug/l	99
52) Toluene	10.41	92	137449	21.307	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	67747	20.963	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	76142	20.819	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	35784	20.077	ug/l	95
56) Ethyl methacrylate	10.66	69	38246	20.726	ug/l	96
57) 1,3-Dichloropropane	10.95	76	57958	20.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	83135	96.421	ug/l	96
59) 2-Hexanone	10.99	43	60500	97.949	ug/l	99
60) Dibromochloromethane	11.14	129	55835	20.558	ug/l	99
61) 1,2-Dibromoethane	11.25	107	36196	20.611	ug/l	98
64) Tetrachloroethene	10.88	164	57738	20.118	ug/l	88
65) Chlorobenzene	11.67	112	149944	20.632	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	62056	21.109	ug/l	98
67) Ethyl Benzene	11.75	91	261468	20.840	ug/l	99
68) m/p-Xylenes	11.86	106	206717	42.339	ug/l	100
69) o-Xylene	12.18	106	93601	21.056	ug/l	96
70) Styrene	12.20	104	161386	21.314	ug/l	99
71) Bromoform	12.36	173	32719	20.502	ug/l #	99
73) Isopropylbenzene	12.48	105	263031	21.021	ug/l	100
74) N-amyl acetate	12.29	43	34165	20.705	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	34967	20.823	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	49451	37.310	ug/l #	100
77) Bromobenzene	12.77	156	65255	20.833	ug/l	97
78) n-propylbenzene	12.83	91	297301	21.356	ug/l	99
79) 2-Chlorotoluene	12.91	91	168386	20.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	229660	21.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	11654	20.565	ug/l	98
82) 4-Chlorotoluene	13.01	91	183485	20.893	ug/l	100
83) tert-Butylbenzene	13.23	119	188901	20.199	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	229652	21.124	ug/l	99
85) sec-Butylbenzene	13.40	105	257777	20.982	ug/l	100
86) p-Isopropyltoluene	13.52	119	251000	21.093	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	127911	21.101	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	123866	20.627	ug/l	98
89) n-Butylbenzene	13.84	91	210675	20.660	ug/l	100
90) Hexachloroethane	14.11	117	46790	20.655	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	108599	20.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6412	17.711	ug/l	83

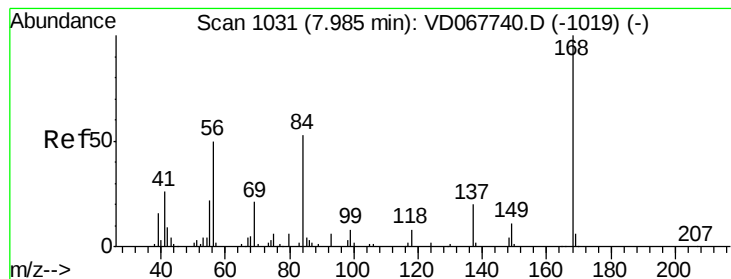
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
Data File : VD067745.D
Acq On : 23 Nov 2020 14:59
Operator : VA/SY
Sample : VD1123SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Quant Time: Nov 24 00:55:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	75337	20.375	ug/l	99
94) Hexachlorobutadiene	15.27	225	47537	20.122	ug/l	98
95) Naphthalene	15.40	128	119605	19.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	64901	20.607	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

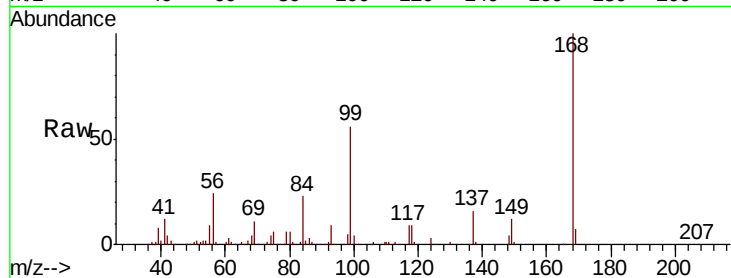
VD1123SBS01

Tot Ion:168 Resp: 277885

Ion Ratio Lower Upper

168 100

99 55.9 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

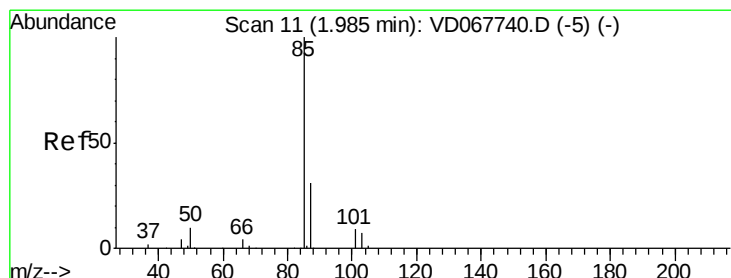
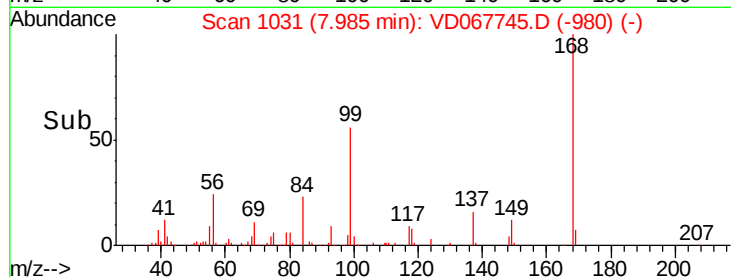
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.251 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067745.D

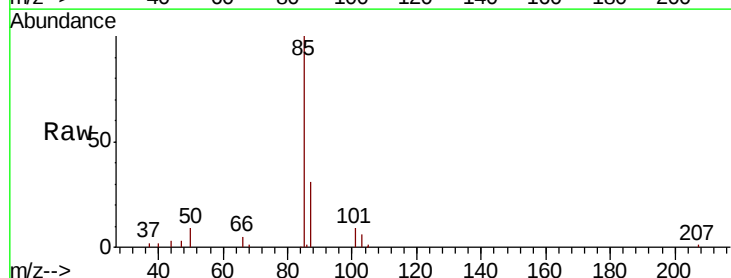
Acq: 23 Nov 2020 14:59

Tgt Ion: 85 Resp: 46553

Ion Ratio Lower Upper

85 100

87 31.1 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

40000

30000

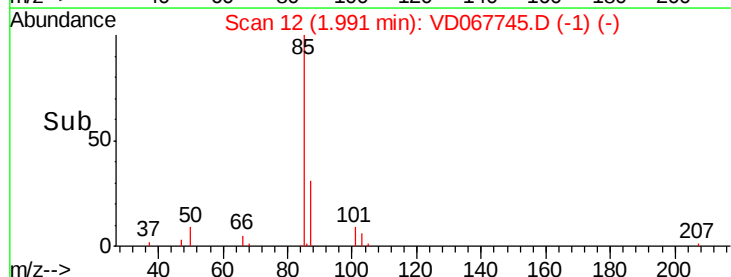
20000

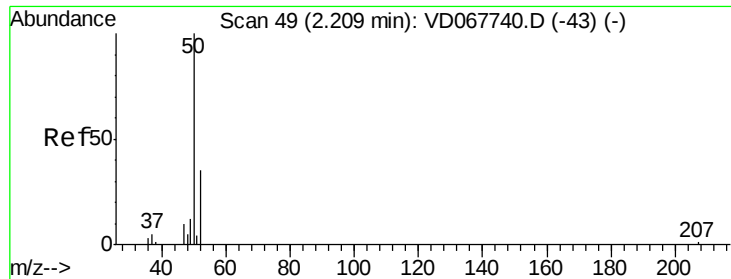
10000

0

Time-->

1.95 2.00 2.05





#3

Chloromethane

Concen: 22.436 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

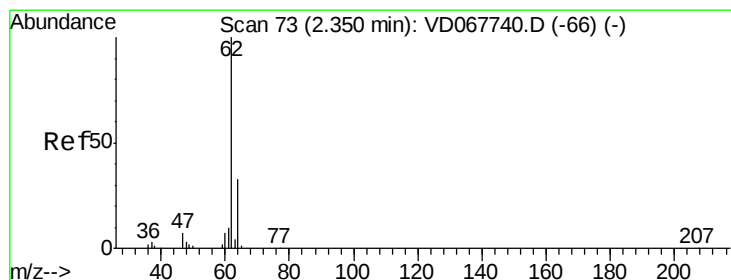
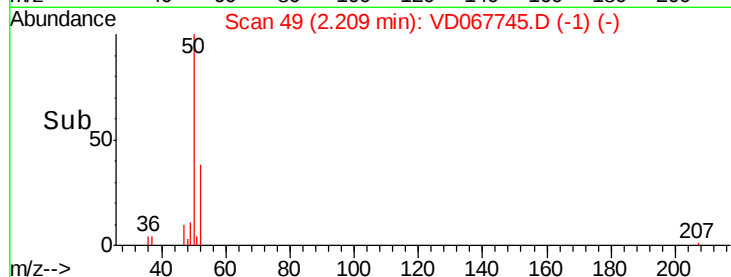
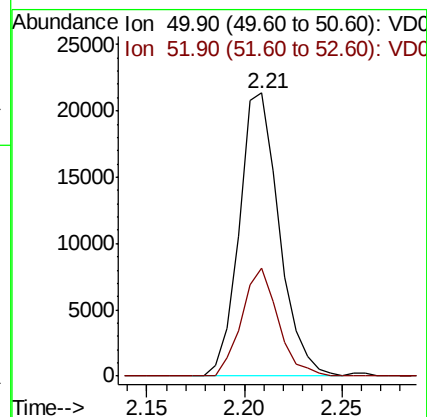
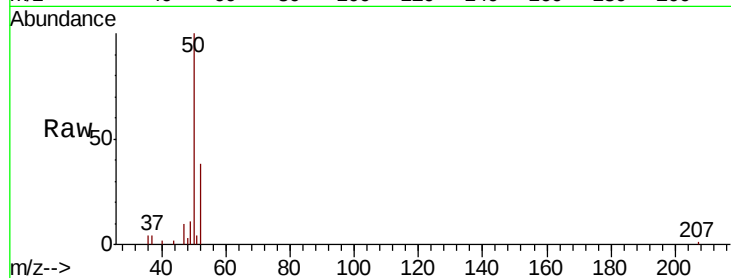
VD1123SBS01

Tot Ion: 50 Resp: 30205

Ion Ratio Lower Upper

50 100

52 38.3 27.8 41.8



#4

Vinyl Chloride

Concen: 20.045 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067745.D

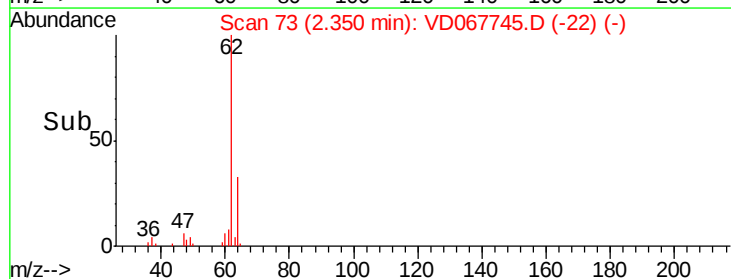
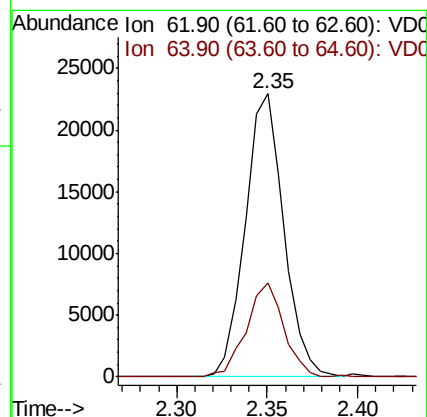
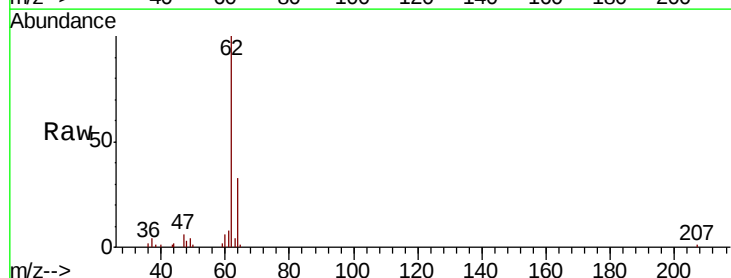
Acq: 23 Nov 2020 14:59

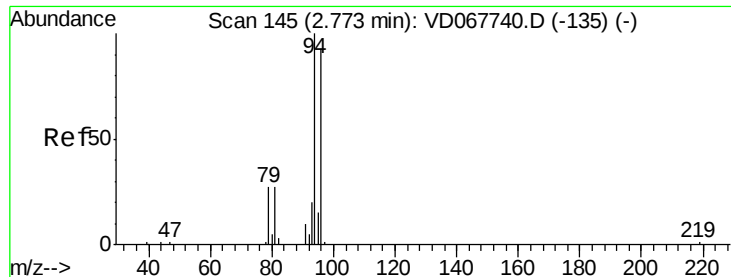
Tgt Ion: 62 Resp: 33816

Ion Ratio Lower Upper

62 100

64 33.1 26.6 40.0





#5

Bromomethane

Concen: 21.110 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

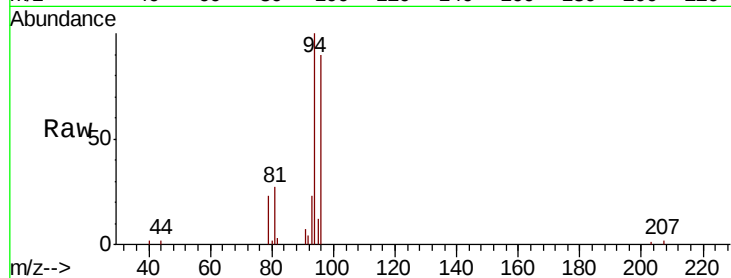
VD1123SBS01

Tot Ion: 94 Resp: 30341

Ion Ratio Lower Upper

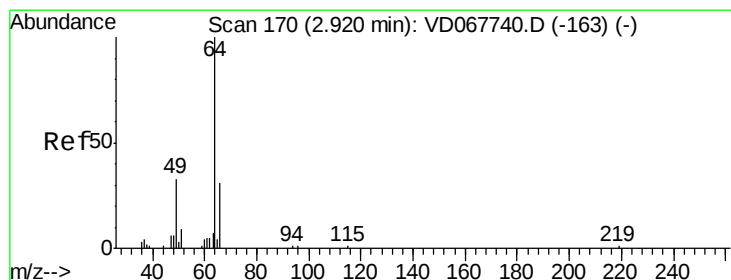
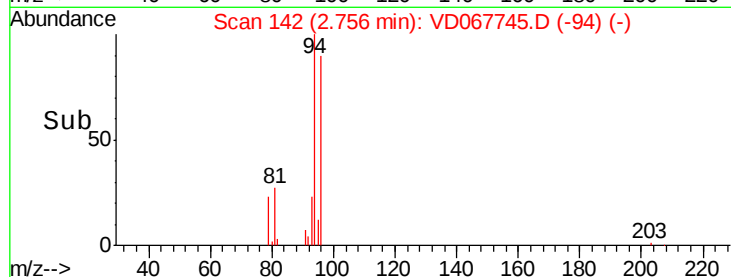
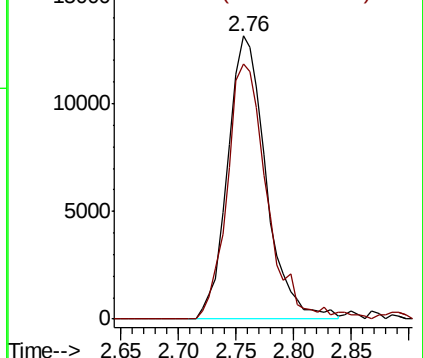
94 100

96 90.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.860 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067745.D

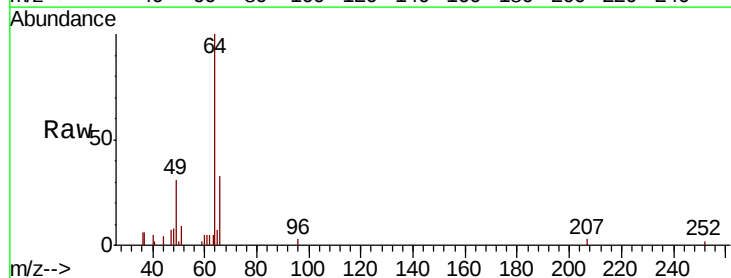
Acq: 23 Nov 2020 14:59

Tgt Ion: 64 Resp: 22329

Ion Ratio Lower Upper

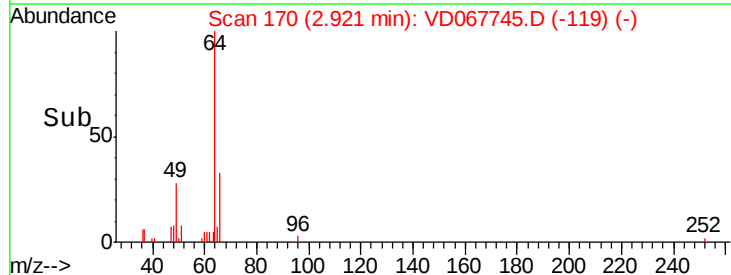
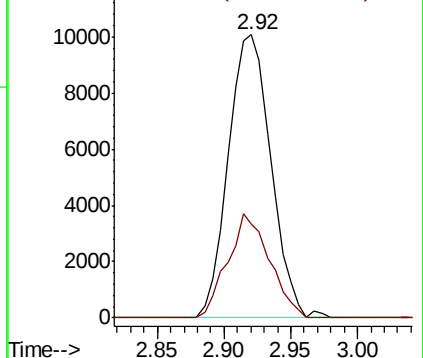
64 100

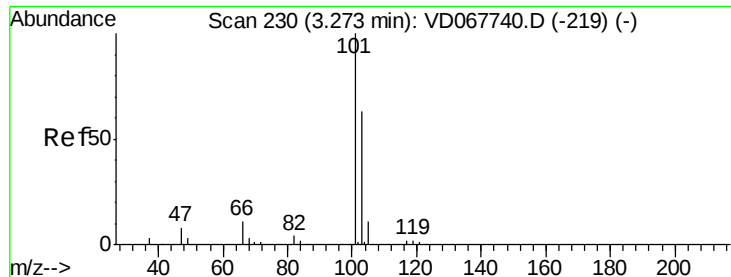
66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



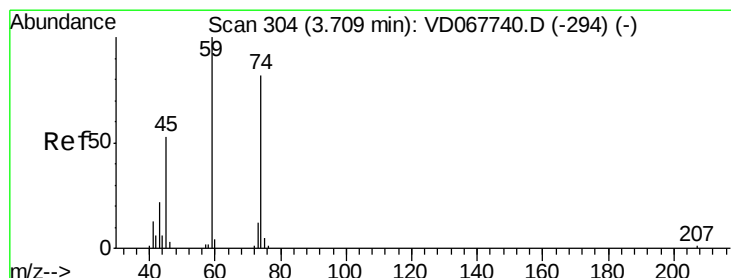
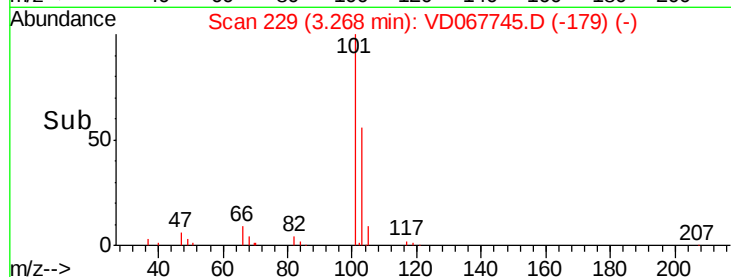
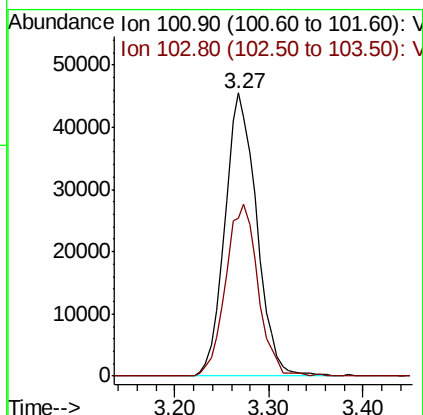
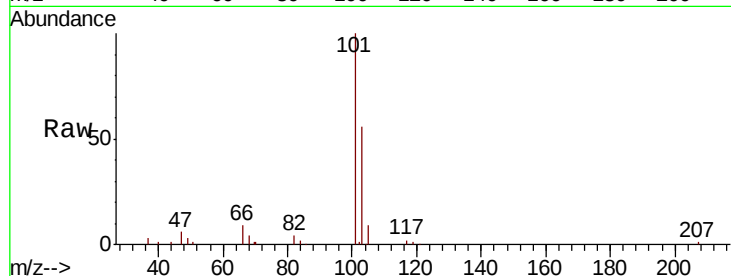


#7

Trichlorofluoromethane
 Concen: 20.742 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

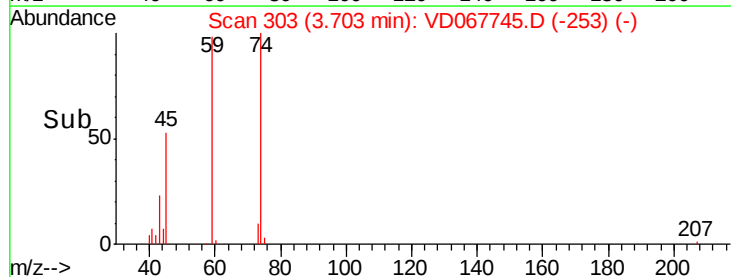
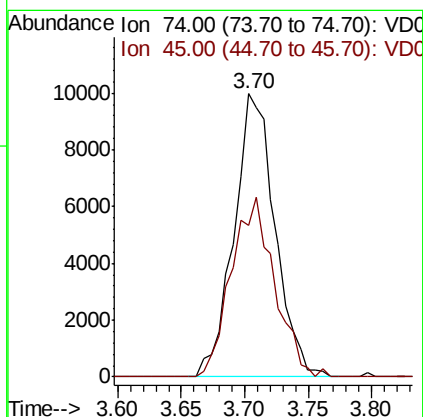
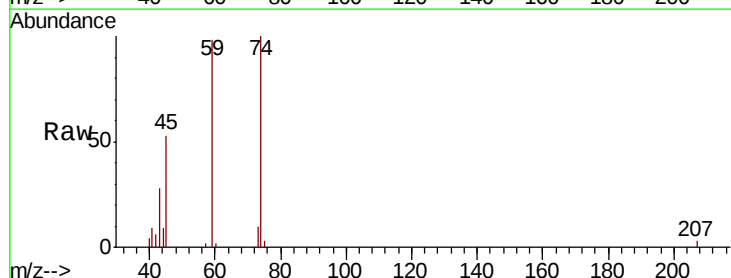
Tot Ion:101 Resp: 106781
 Ion Ratio Lower Upper
 101 100
 103 55.9 50.3 75.5

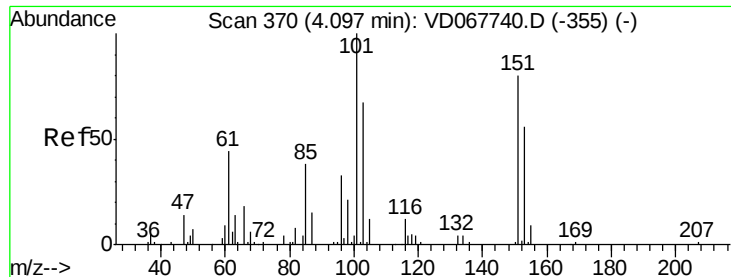


#8

Diethyl Ether
 Concen: 21.565 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion: 74 Resp: 22414
 Ion Ratio Lower Upper
 74 100
 45 67.0 35.9 107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.636 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

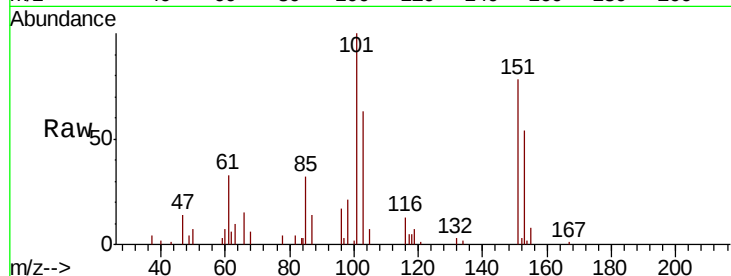
Tot Ion:101 Resp: 50871

Ion Ratio Lower Upper

101 100

85 41.1 35.5 53.3

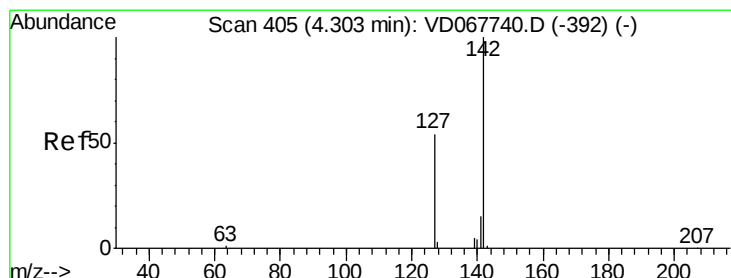
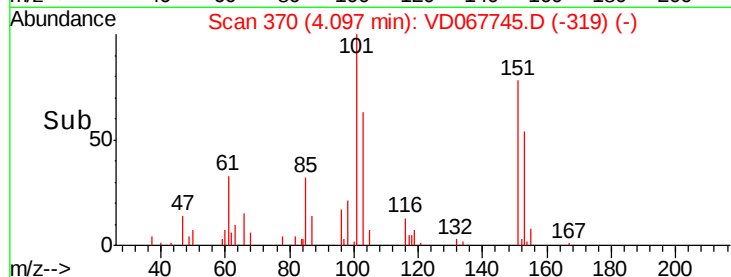
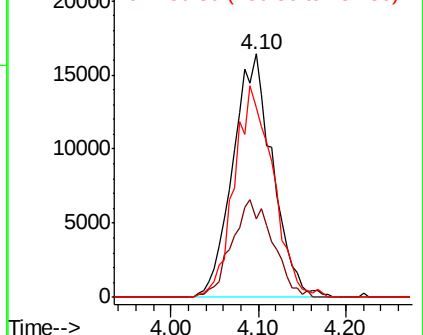
151 84.5 69.4 104.0



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: 17.931 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

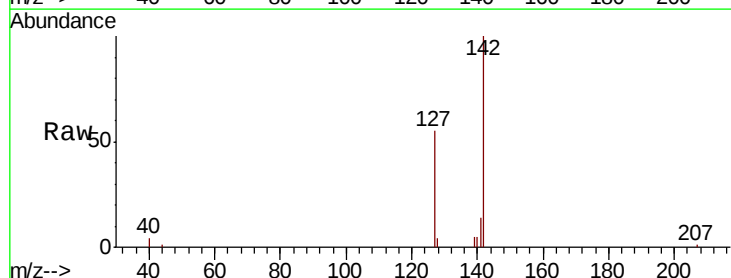
Tgt Ion:142 Resp: 45243

Ion Ratio Lower Upper

142 100

127 53.3 42.2 63.2

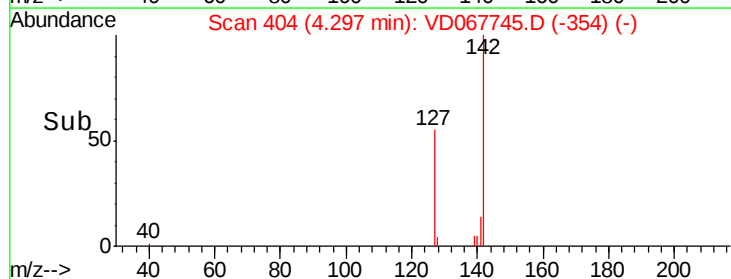
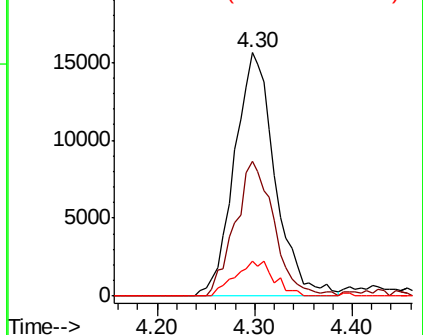
141 13.8 11.8 17.6

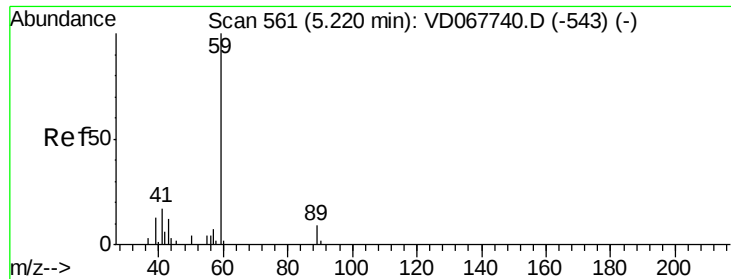


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



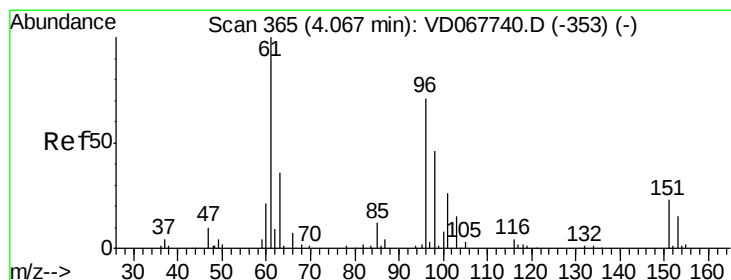
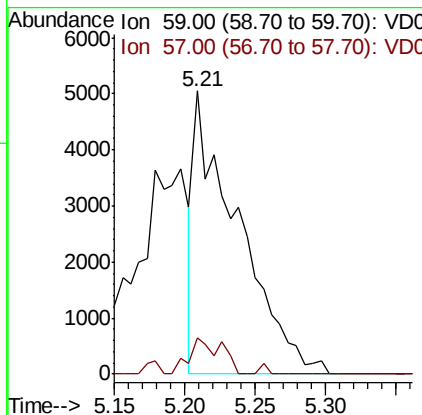
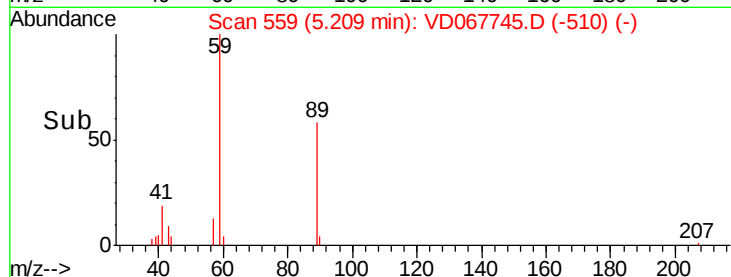
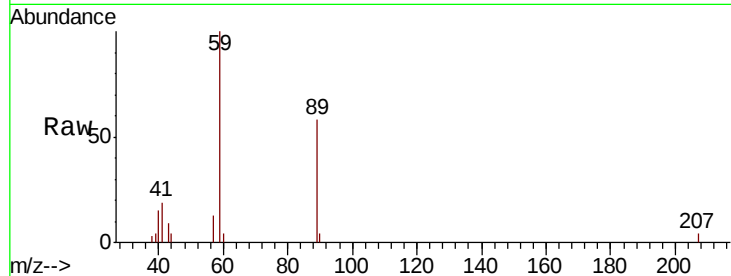


#11

Tert butyl alcohol
Concen: 41.314 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

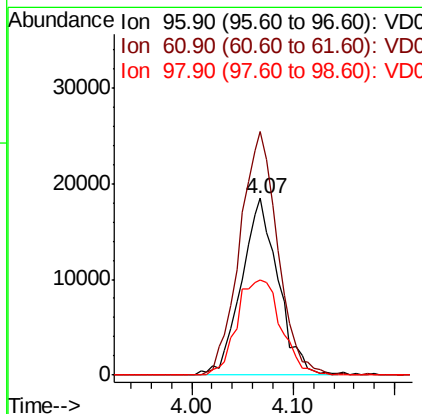
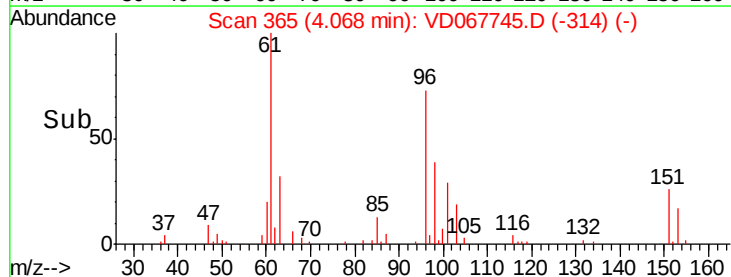
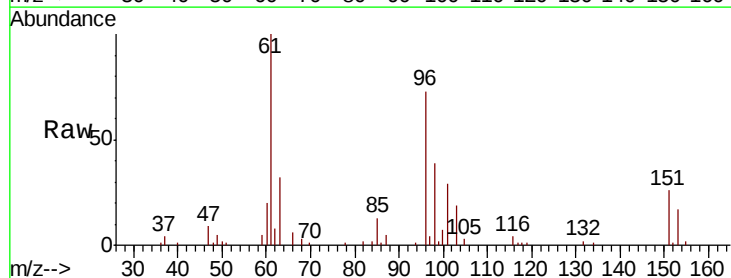
Tot Ion: 59 Resp: 10825
Ion Ratio Lower Upper
59 100
57 9.4 3.4 5.0#

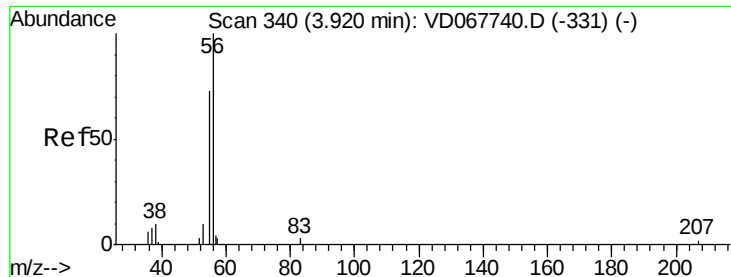


#12

1,1-Dichloroethene
Concen: 20.357 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 96 Resp: 46434
Ion Ratio Lower Upper
96 100
61 137.6 112.9 169.3
98 53.5 52.4 78.6





#13

Acrolein

Concen: 101.650 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

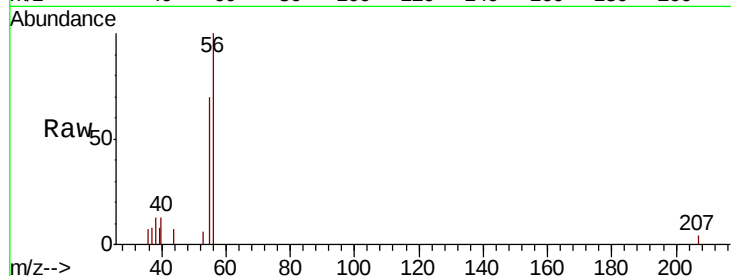
VD1123SBS01

Tot Ion: 56 Resp: 11384

Ion Ratio Lower Upper

56 100

55 68.6 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

4000

3000

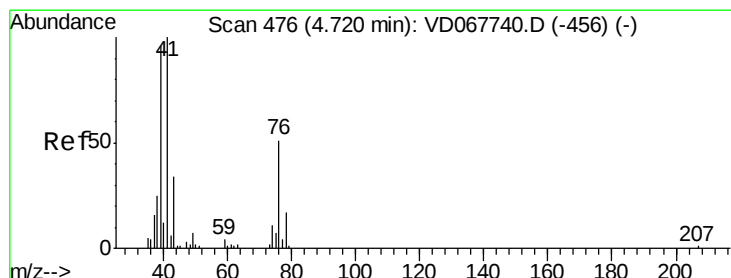
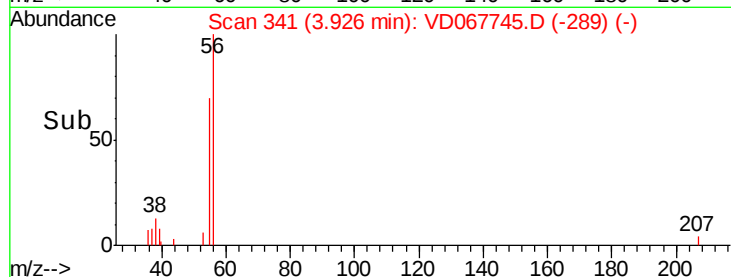
2000

1000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 20.220 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

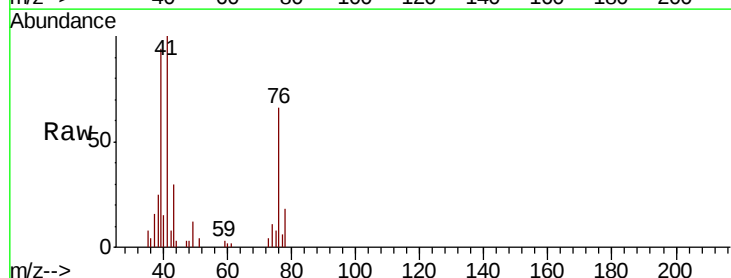
Tgt Ion: 41 Resp: 44584

Ion Ratio Lower Upper

41 100

39 97.1 74.6 111.8

76 58.2 43.3 64.9



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

15000

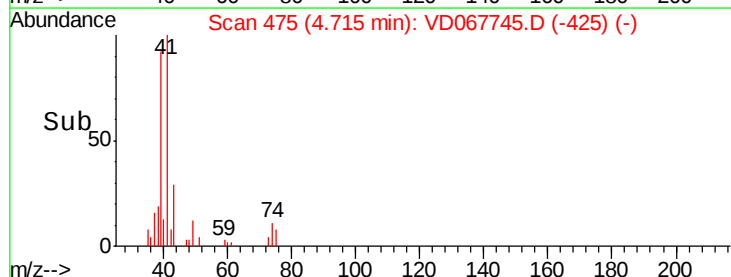
10000

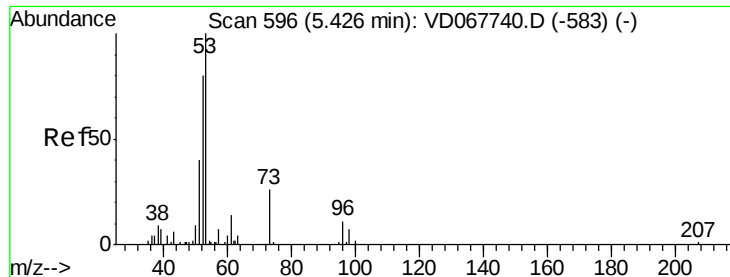
5000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 101.065 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

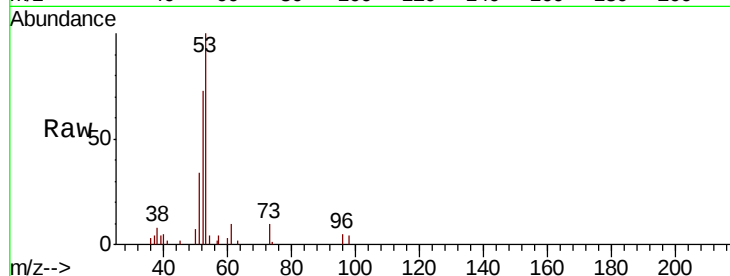
Tot Ion: 53 Resp: 36586

Ion Ratio Lower Upper

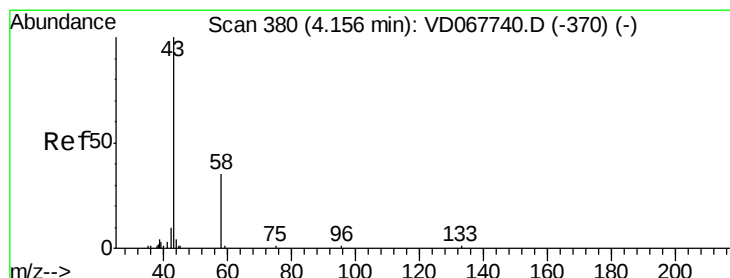
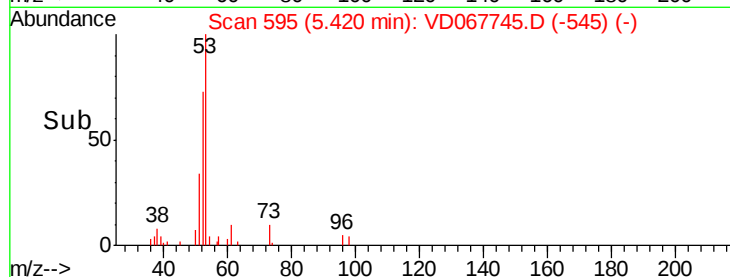
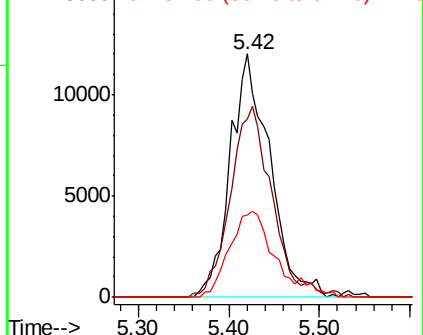
53 100

52 82.0 63.4 95.2

51 40.8 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.062 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067745.D

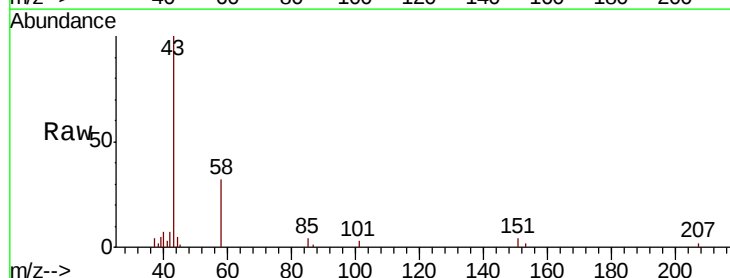
Acq: 23 Nov 2020 14:59

Tgt Ion: 43 Resp: 34927

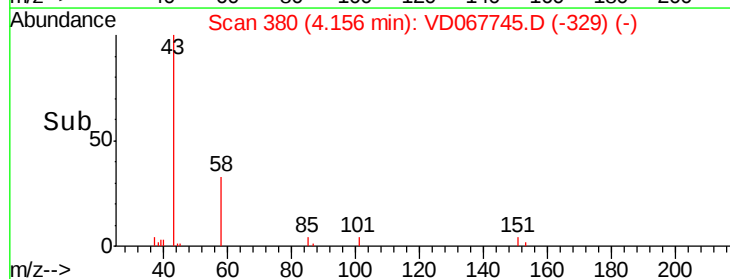
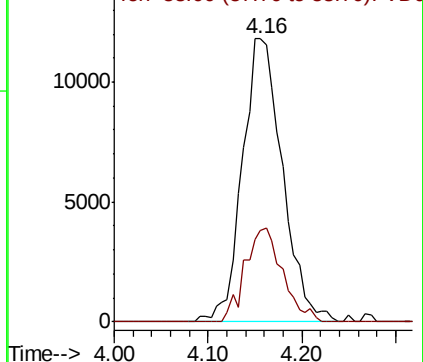
Ion Ratio Lower Upper

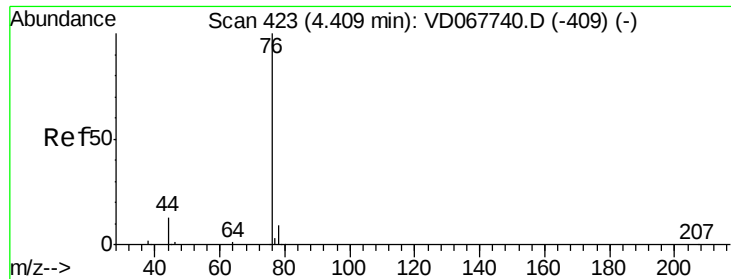
43 100

58 32.2 27.6 41.4



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

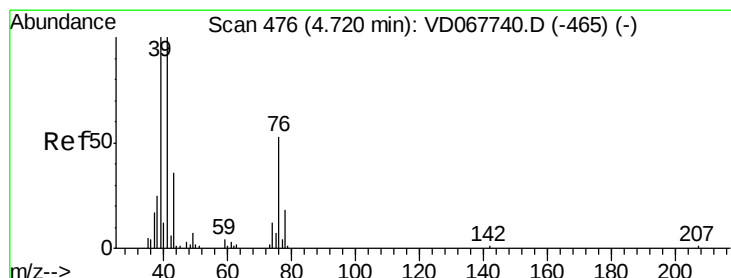
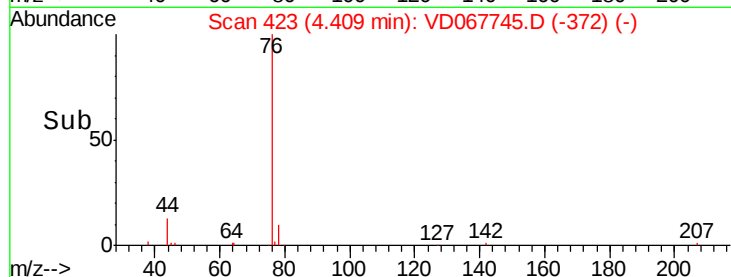
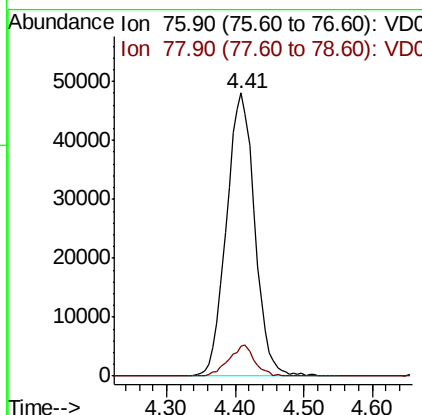
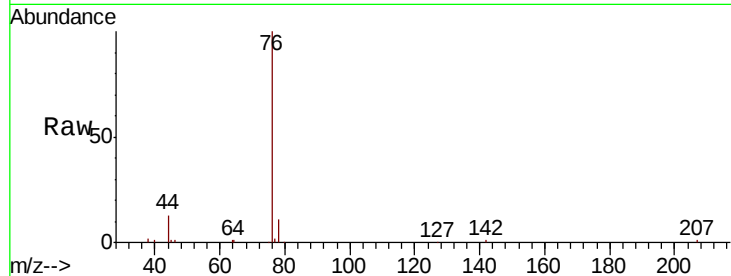




#17
Carbon Disulfide
Concen: 20.778 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

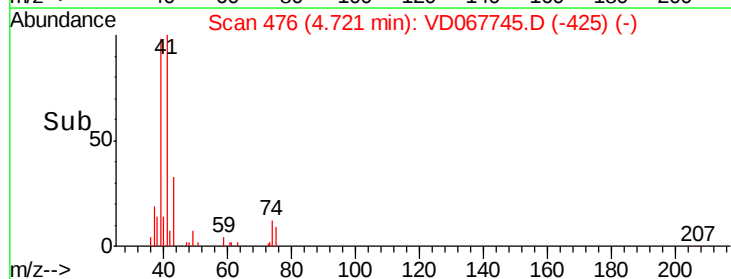
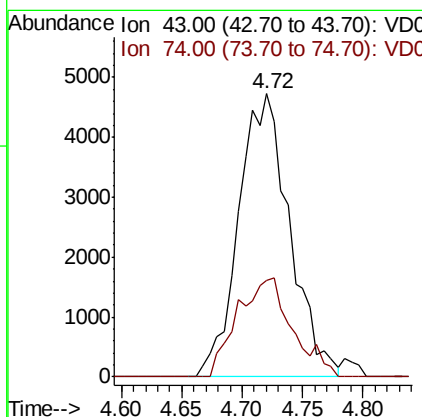
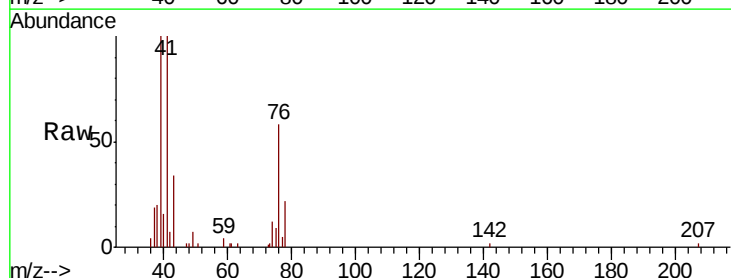
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

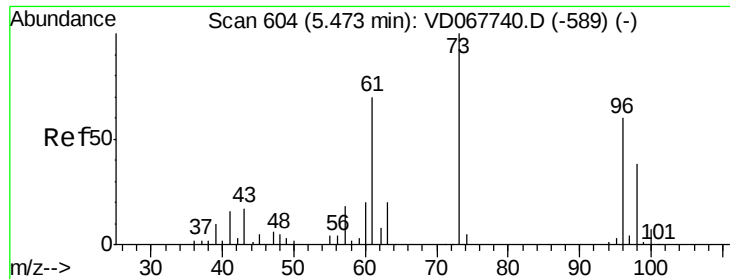
Tot Ion: 76 Resp: 137082
Ion Ratio Lower Upper
76 100
78 10.5 7.5 11.3



#18
Methyl Acetate
Concen: 19.727 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 43 Resp: 13853
Ion Ratio Lower Upper
43 100
74 37.6 29.7 44.5

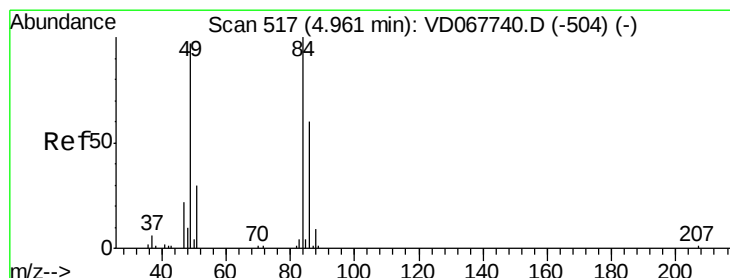
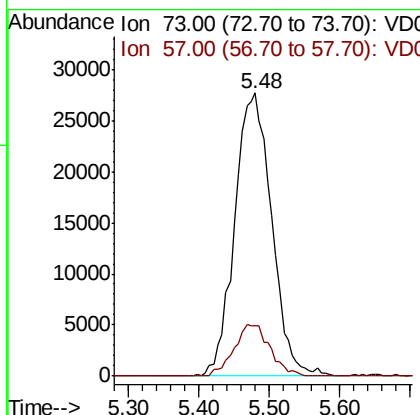
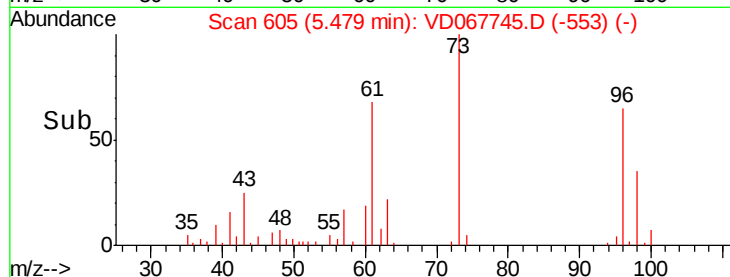
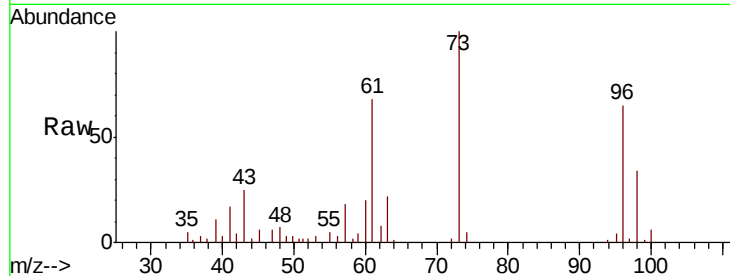




#19
Methvl tert-butvl Ether
Concen: 20.699 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

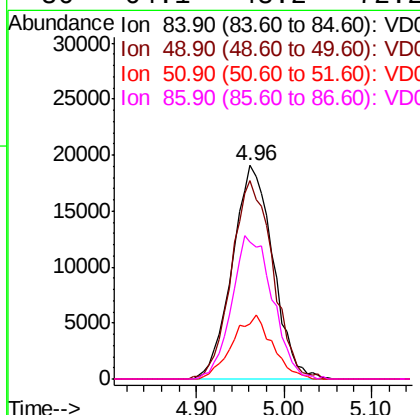
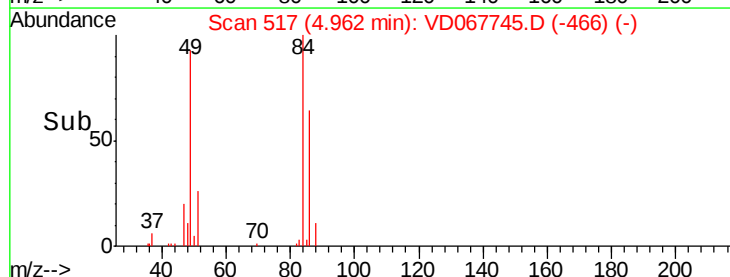
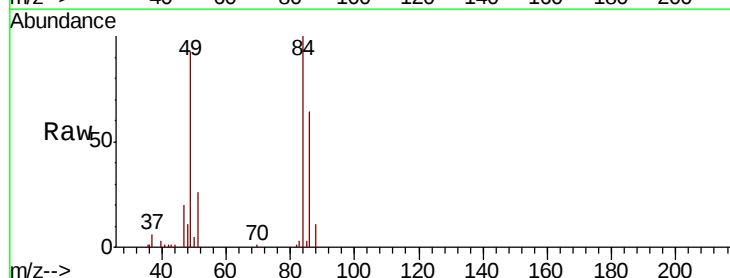
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

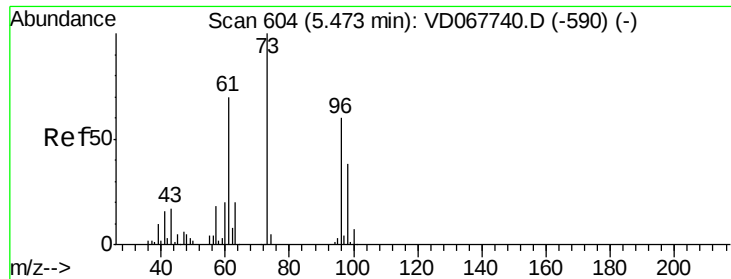
Tot Ion: 73 Resp: 100908
Ion Ratio Lower Upper
73 100
57 17.9 14.8 22.2



#20
Methylene Chloride
Concen: 18.210 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 84 Resp: 60267
Ion Ratio Lower Upper
84 100
49 93.1 77.4 116.2
51 25.6 24.1 36.1
86 64.1 48.2 72.2

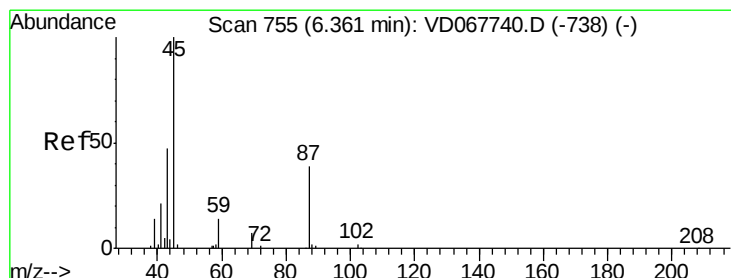
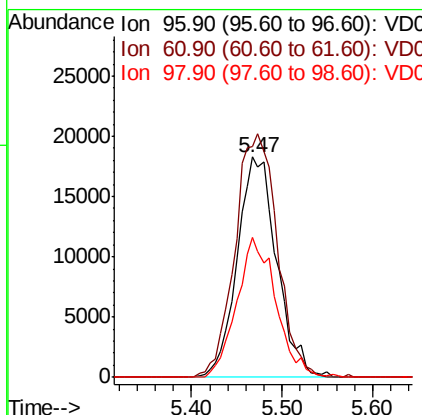
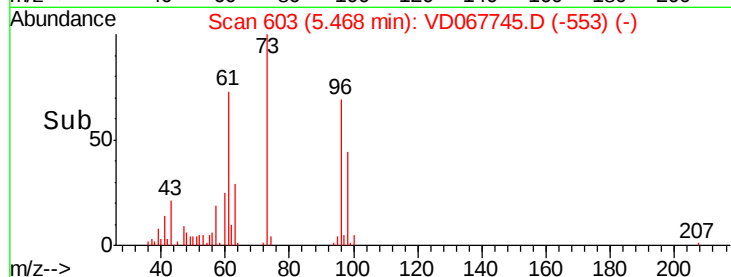
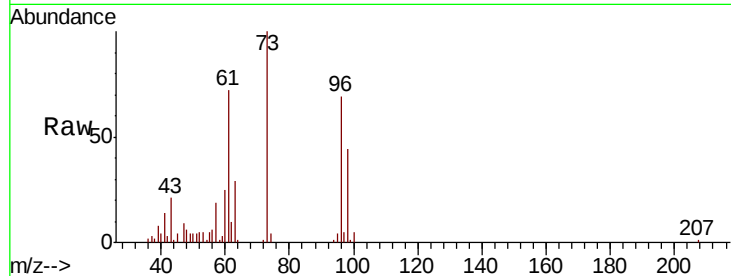




#21
trans-1,2-Dichloroethene
Concen: 21.438 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

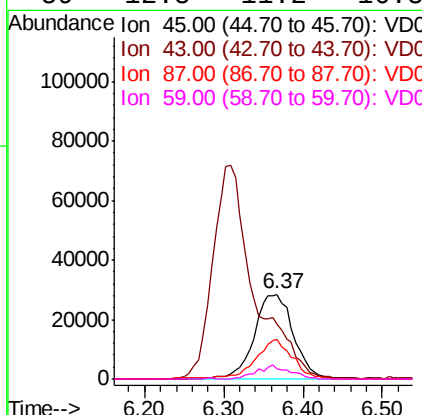
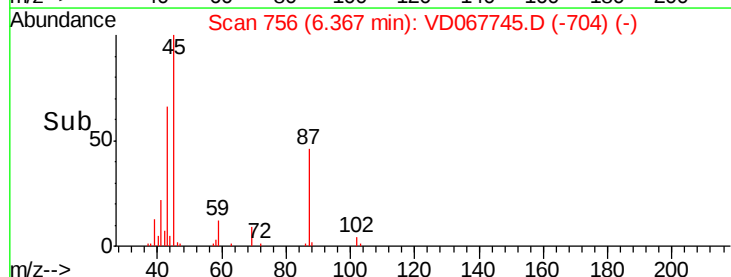
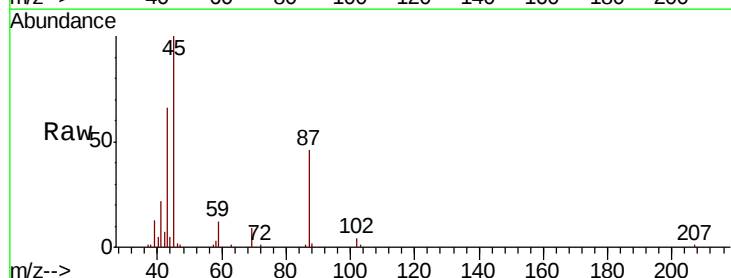
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

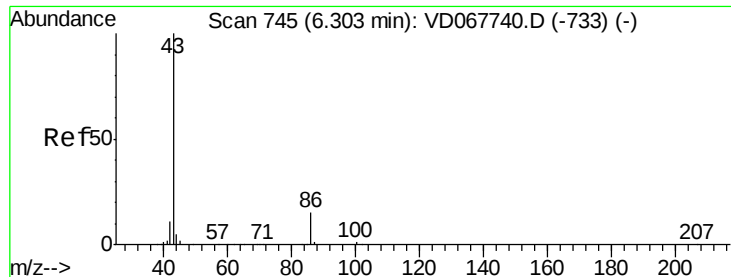
Tot Ion: 96 Resp: 55596
Ion Ratio Lower Upper
96 100
61 105.0 94.0 141.0
98 63.8 51.3 76.9



#22
Diisopropyl ether
Concen: 22.425 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 45 Resp: 97604
Ion Ratio Lower Upper
45 100
43 63.8 46.8 70.2
87 45.8 32.9 49.3
59 12.5 11.2 16.8





#23

Vinyl Acetate

Concen: 106.216 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

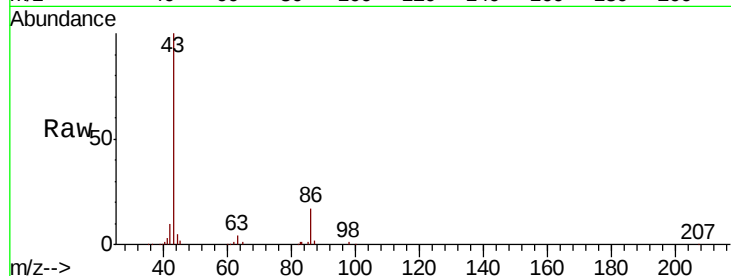
VD1123SBS01

Tot Ion: 43 Resp: 260783

Ion Ratio Lower Upper

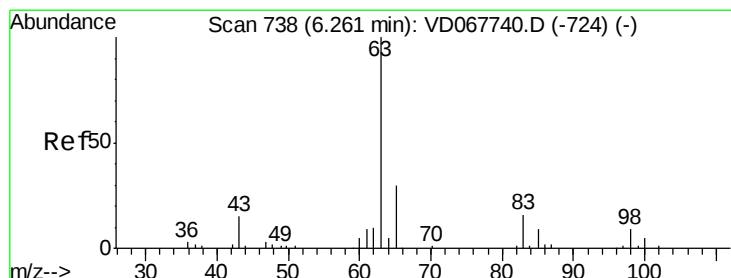
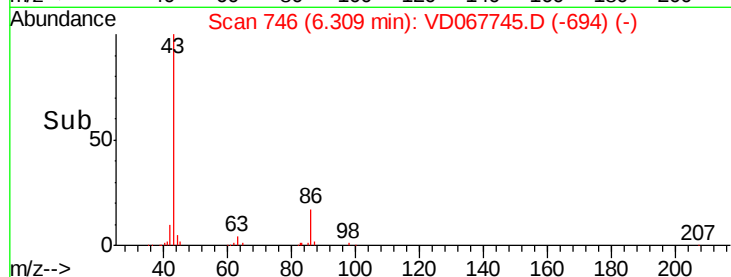
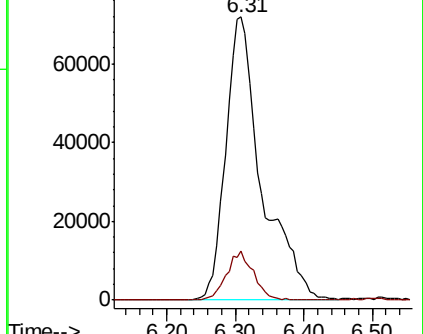
43 100

86 17.2 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.728 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

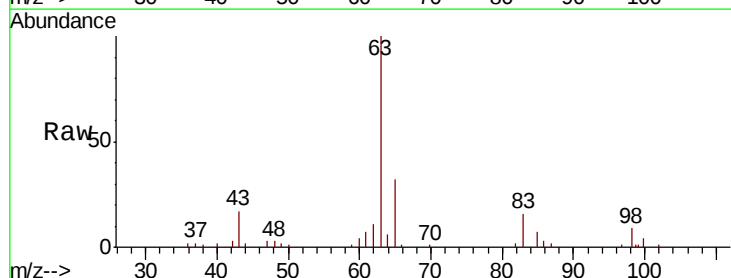
Tgt Ion: 63 Resp: 80181

Ion Ratio Lower Upper

63 100

98 9.4 4.4 13.2

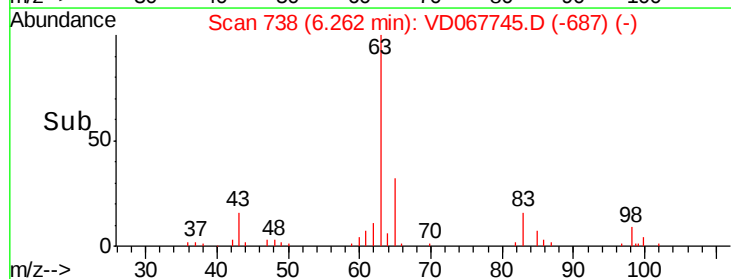
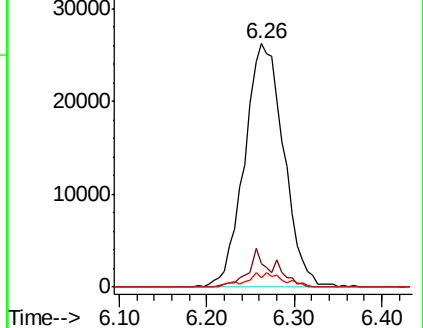
100 3.9 2.6 8.0

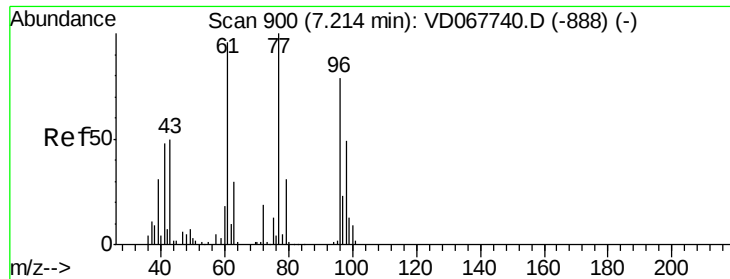


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 107.215 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

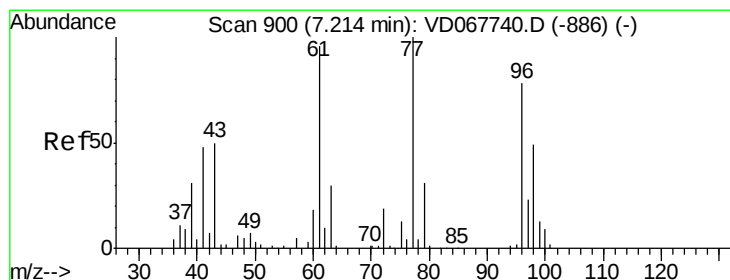
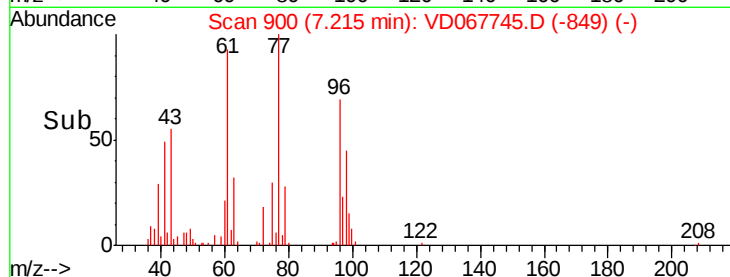
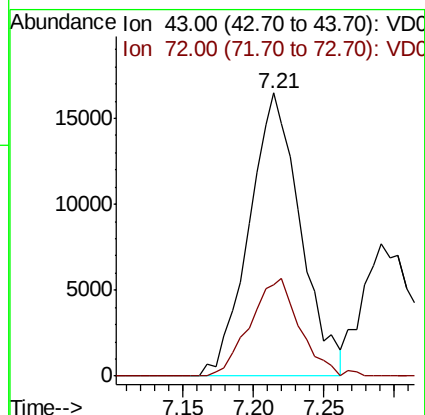
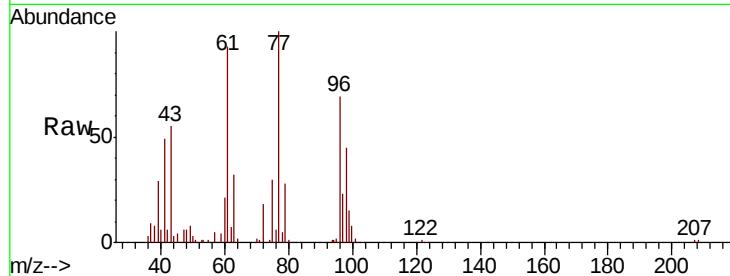
VD1123SBS01

Tot Ion: 43 Resp: 41995

Ion Ratio Lower Upper

43 100

72 32.2 30.8 46.2



#26

2,2-Dichloropropane

Concen: 20.757 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067745.D

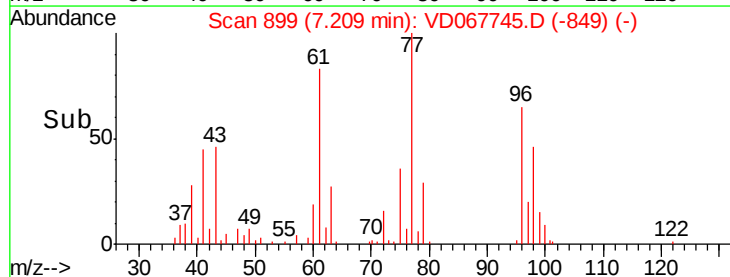
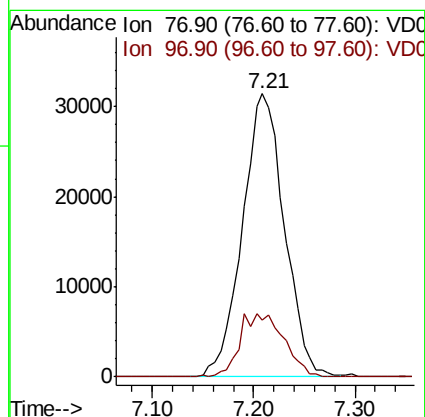
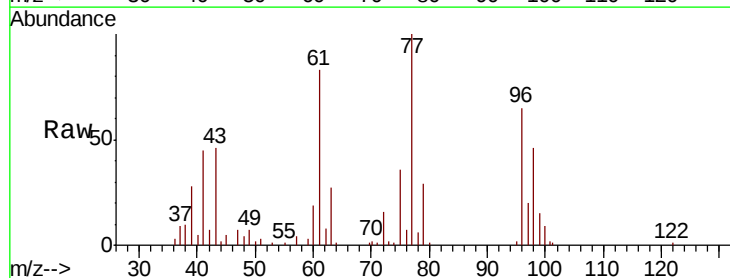
Acq: 23 Nov 2020 14:59

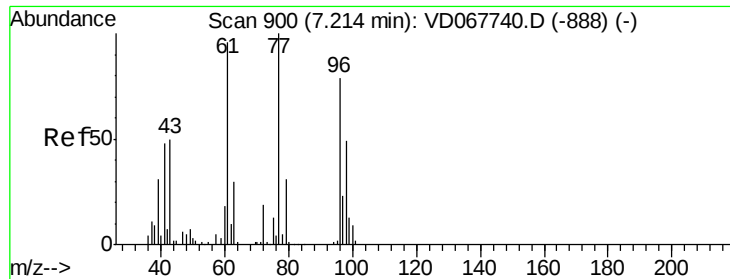
Tgt Ion: 77 Resp: 90362

Ion Ratio Lower Upper

77 100

97 23.4 11.1 33.3



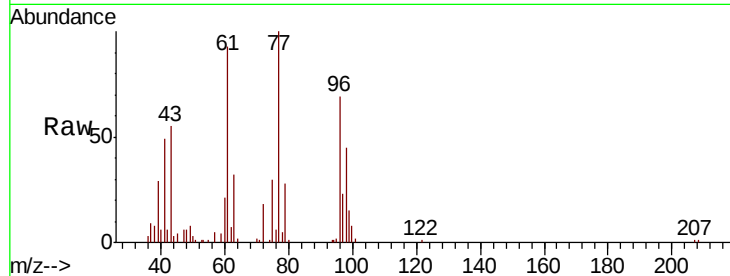


#27

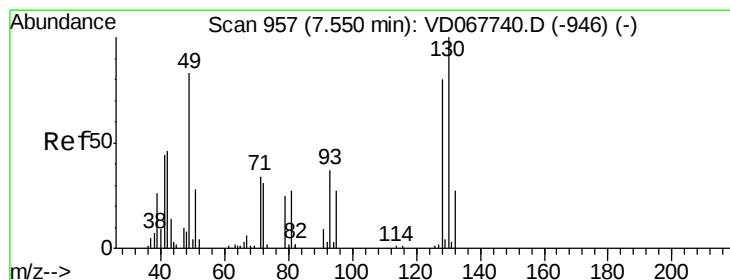
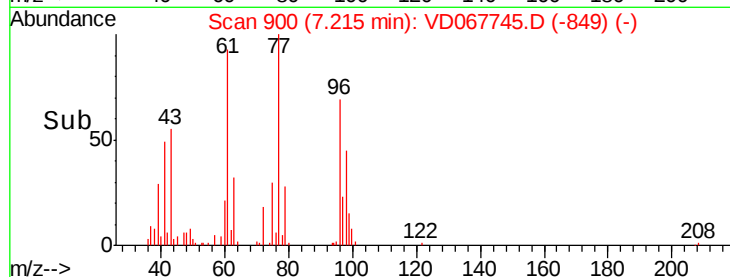
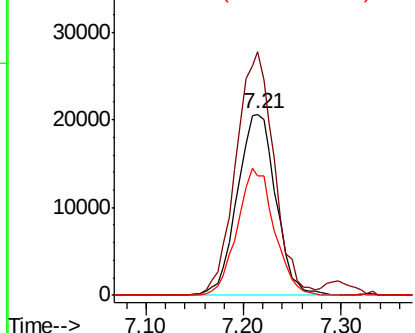
cis-1,2-Dichloroethene
 Concen: 20.640 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion: 96 Resp: 57054
 Ion Ratio Lower Upper
 96 100
 61 132.8 0.0 258.0
 98 67.1 0.0 131.8



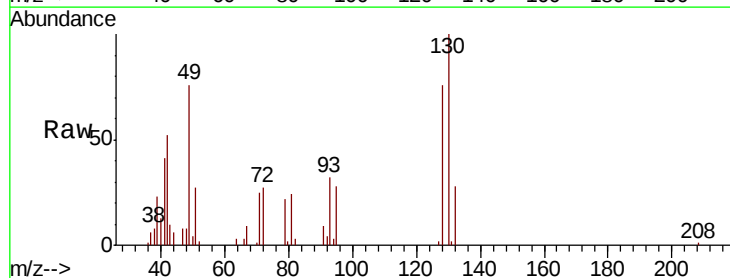
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



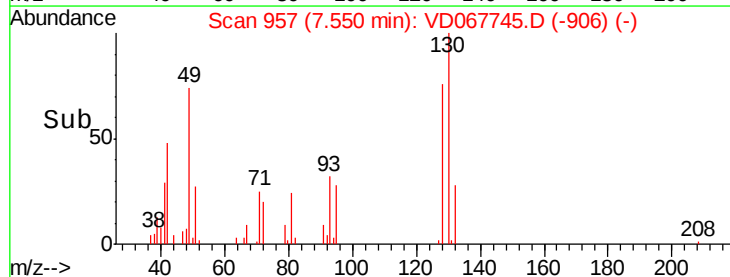
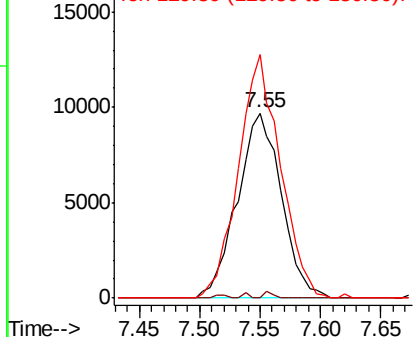
#28

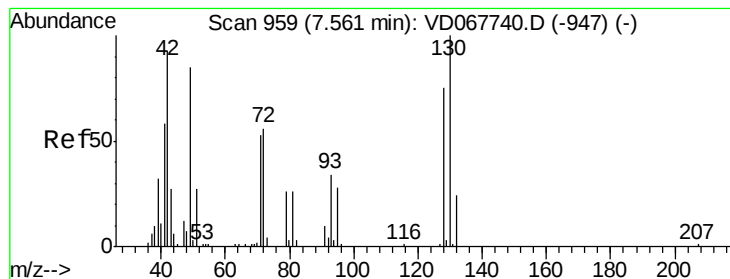
Bromochloromethane
 Concen: 20.836 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion: 49 Resp: 24629
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 7.0
 130 125.1 102.2 153.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 104.266 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

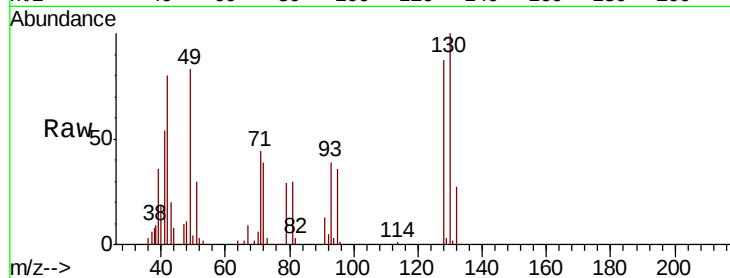
Tot Ion: 42 Resp: 23220

Ion Ratio Lower Upper

42 100

72 57.4 49.3 73.9

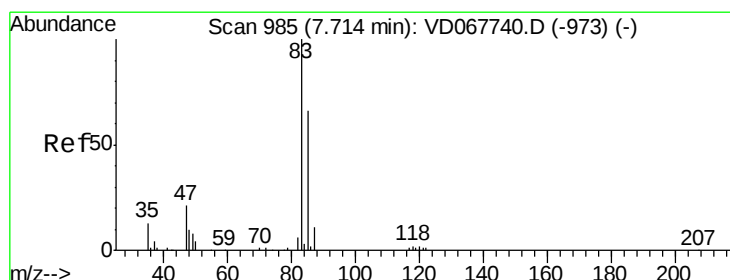
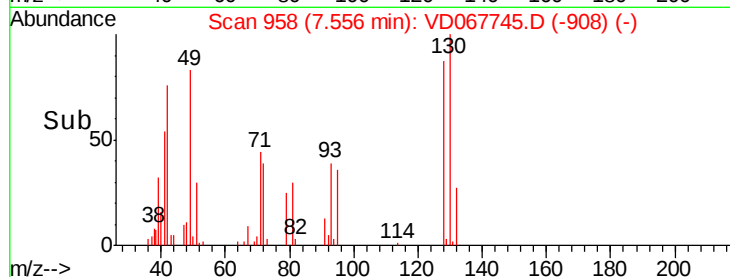
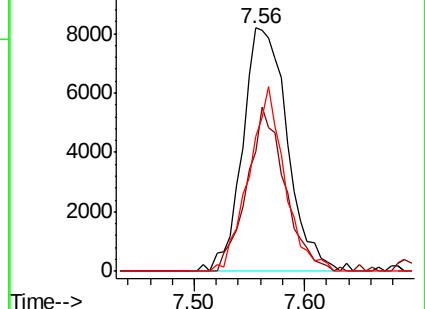
71 61.0 45.9 68.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.969 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067745.D

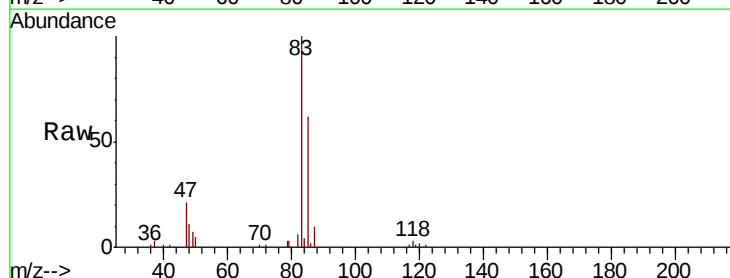
Acq: 23 Nov 2020 14:59

Tgt Ion: 83 Resp: 101186

Ion Ratio Lower Upper

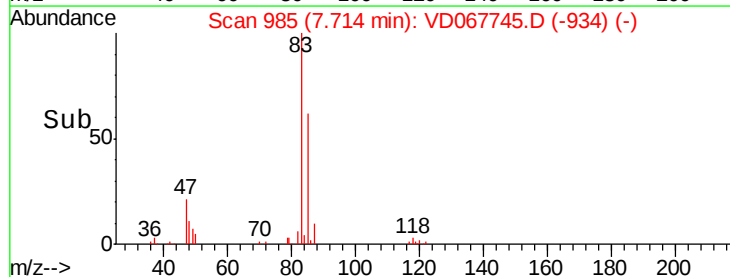
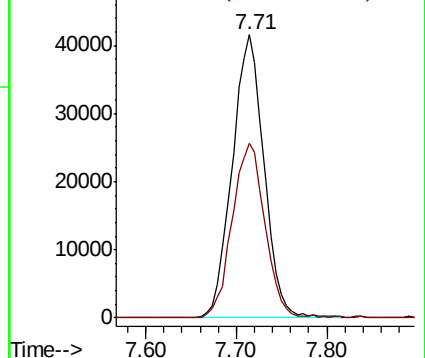
83 100

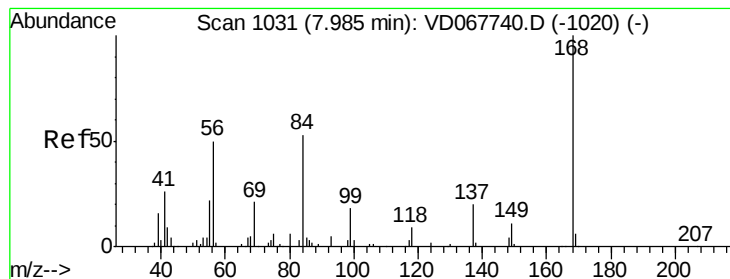
85 61.9 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.680 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

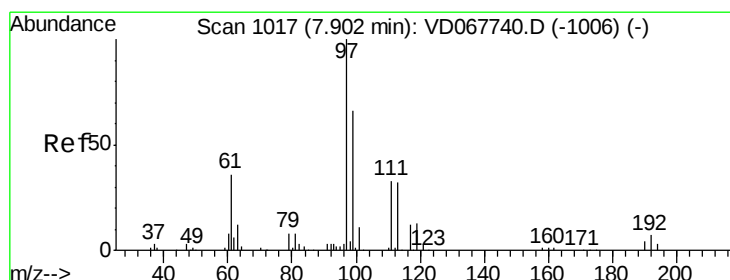
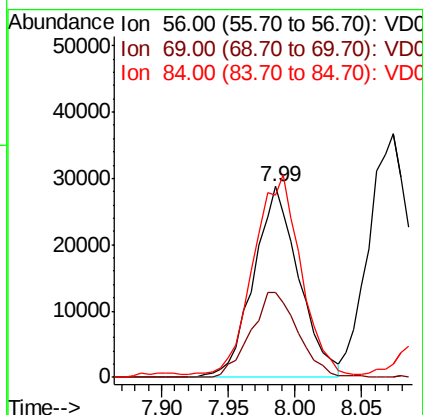
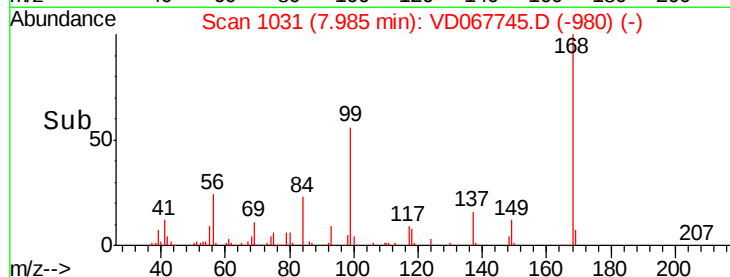
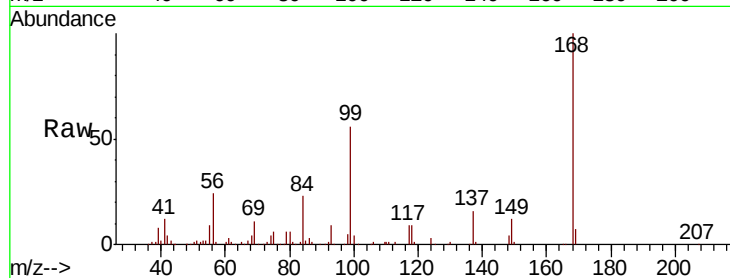
Tot Ion: 56 Resp: 67608

Ion Ratio Lower Upper

56 100

69 44.5 33.2 49.8

84 93.9 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 20.408 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

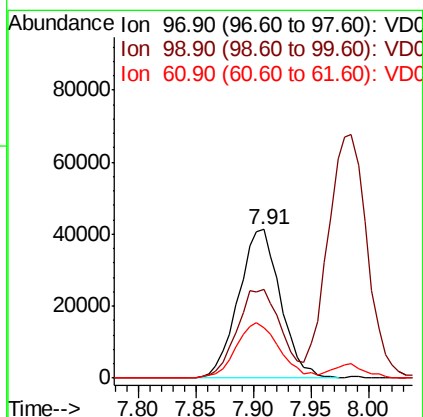
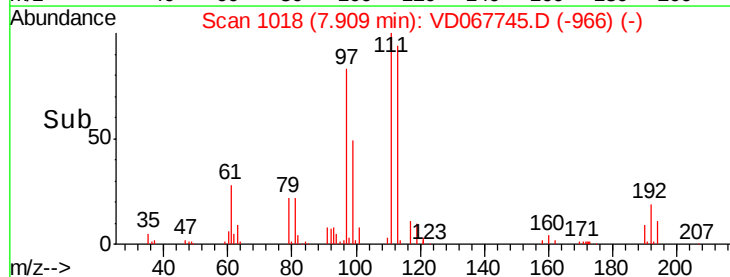
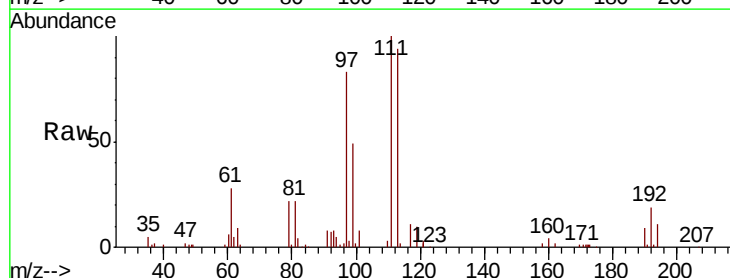
Tgt Ion: 97 Resp: 104293

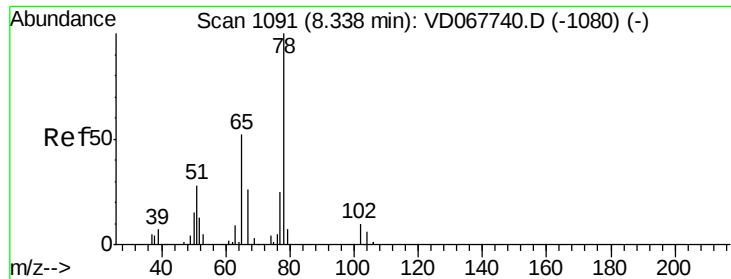
Ion Ratio Lower Upper

97 100

99 63.3 51.1 76.7

61 38.5 29.4 44.2

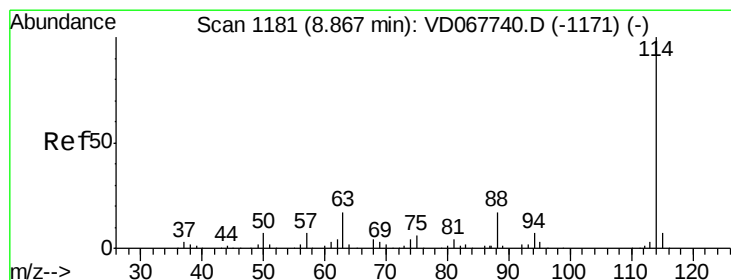
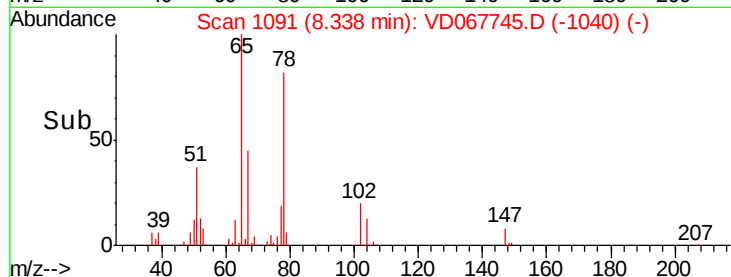
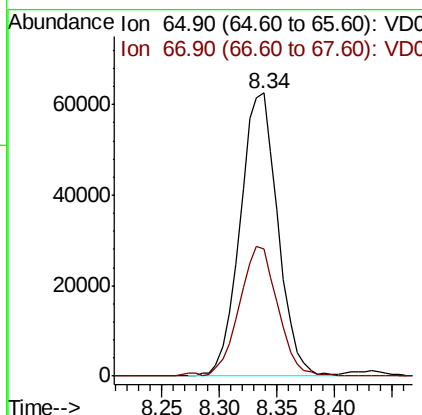
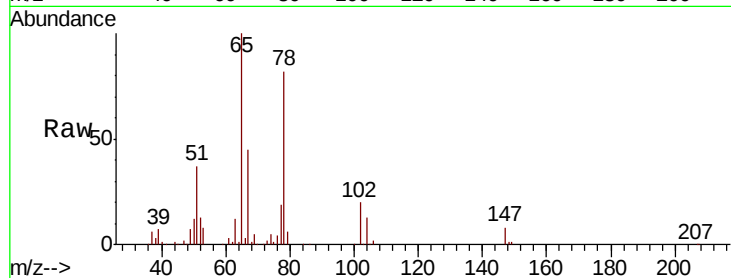




#33
 1,2-Dichloroethane-d4
 Concen: 52.533 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

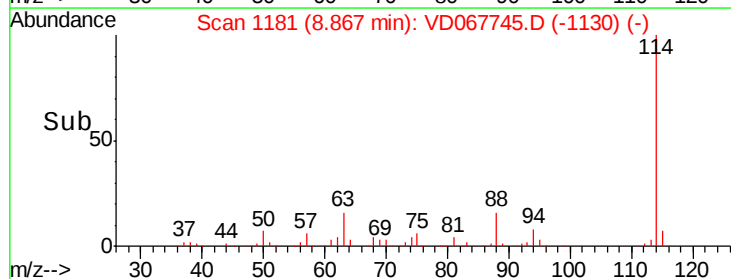
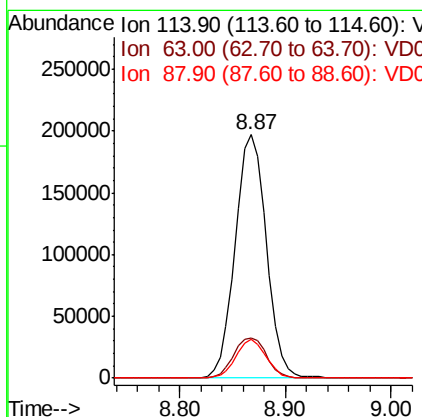
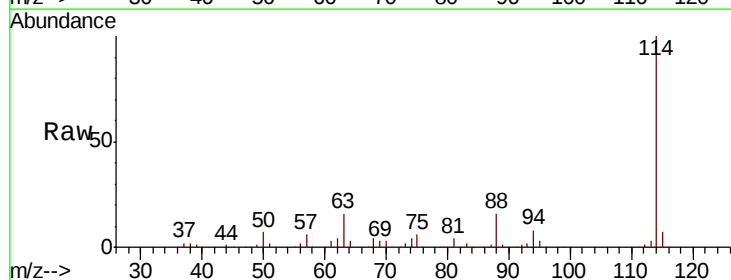
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

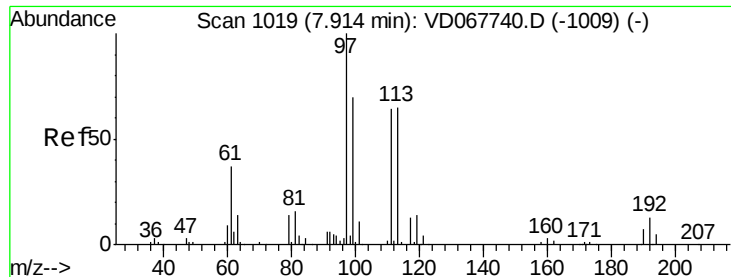
Tot Ion: 65 Resp: 141939
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion: 114 Resp: 403475
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 34.8
 88 15.8 0.0 34.4

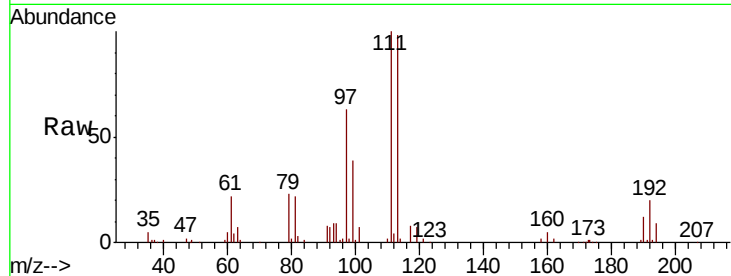




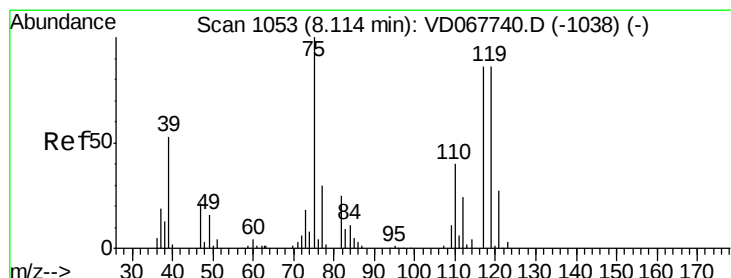
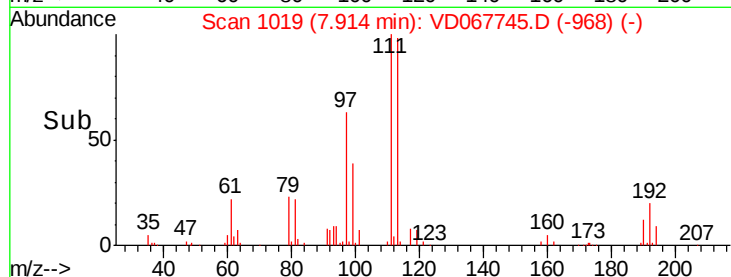
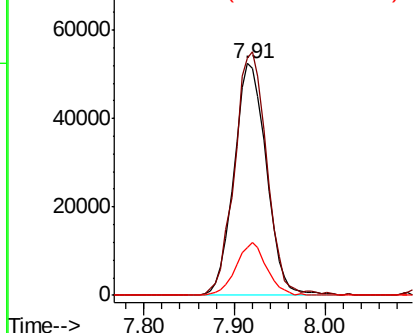
#35
Dibromofluoromethane
Concen: 50.961 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion:113 Resp: 130854
Ion Ratio Lower Upper
113 100
111 104.5 81.4 122.0
192 21.5 17.0 25.4

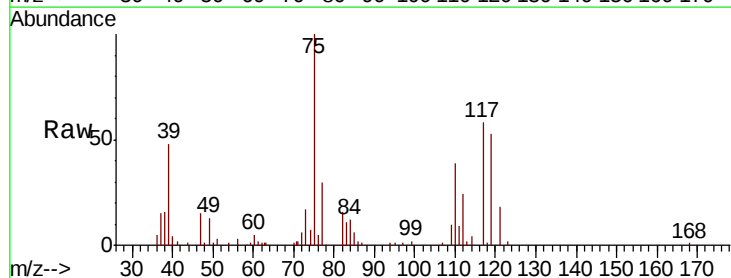


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

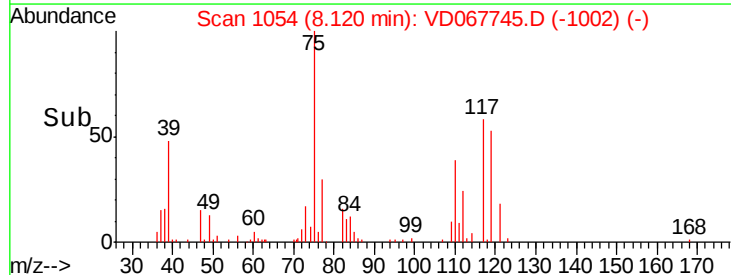
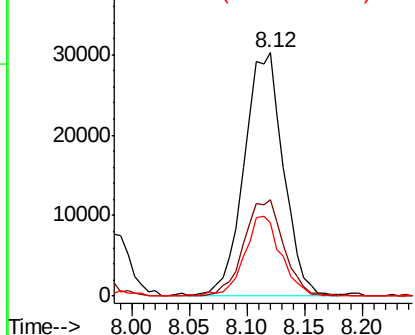


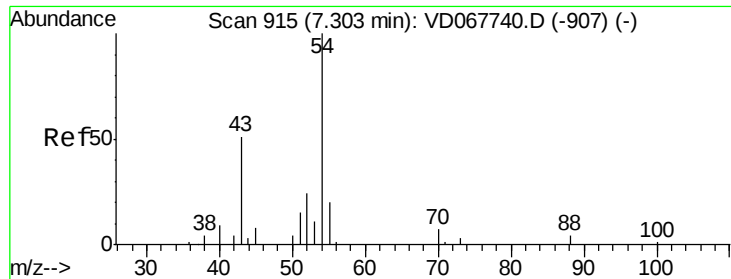
#36
1,1-Dichloropropene
Concen: 20.760 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 75 Resp: 71877
Ion Ratio Lower Upper
75 100
110 39.9 20.1 60.2
77 30.7 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

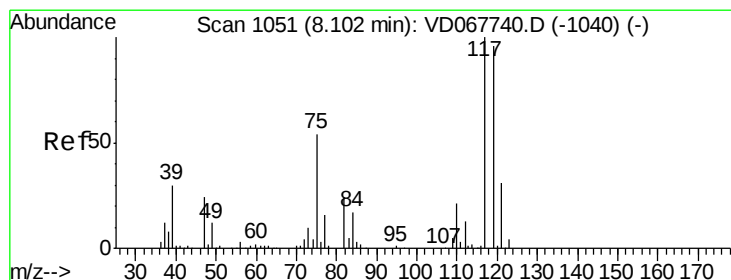
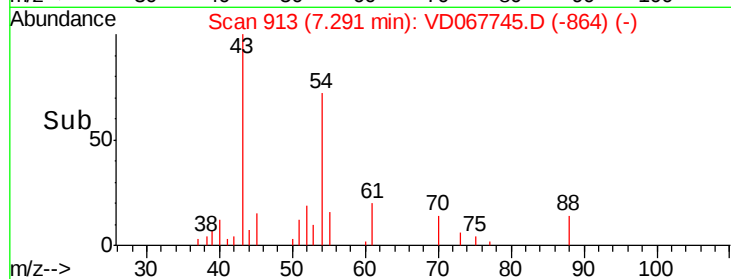
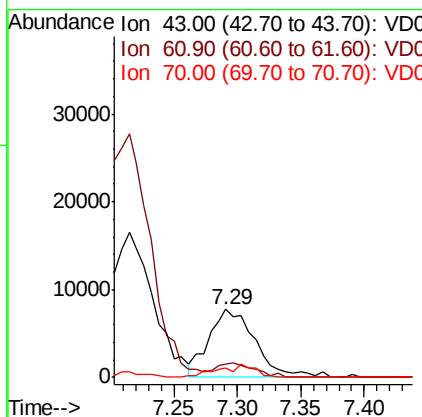
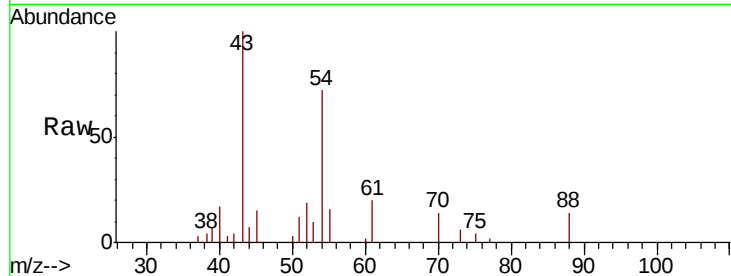




#37
Ethyl Acetate
Concen: 21.045 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

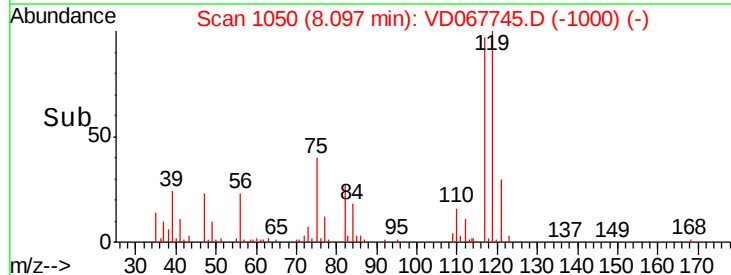
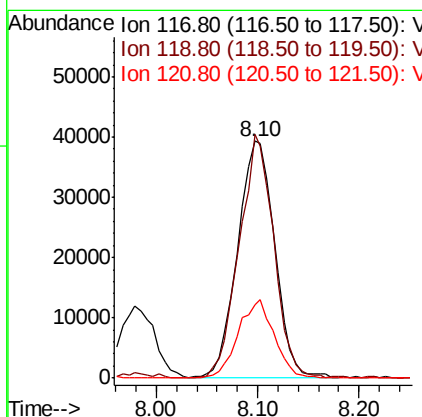
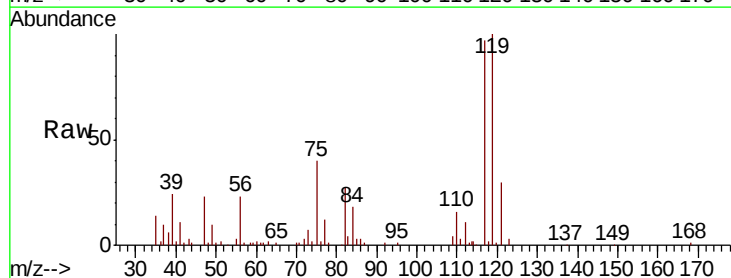
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

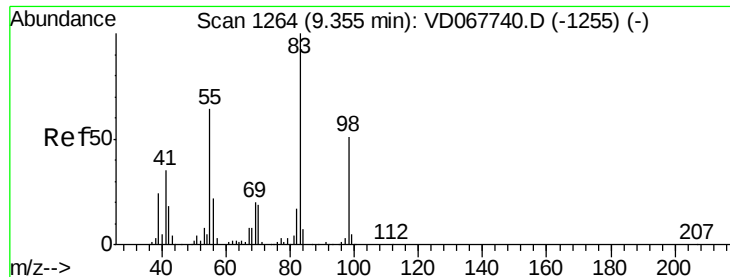
Tot Ion: 43 Resp: 19592
Ion Ratio Lower Upper
43 100
61 18.1 12.9 19.3
70 15.5 12.2 18.2



#38
Carbon Tetrachloride
Concen: 20.040 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 117 Resp: 100573
Ion Ratio Lower Upper
117 100
119 102.8 76.6 115.0
121 30.9 24.5 36.7

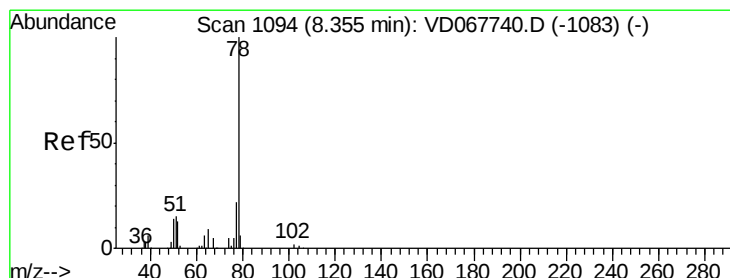
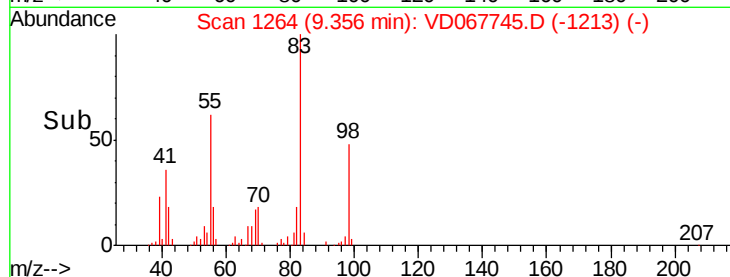
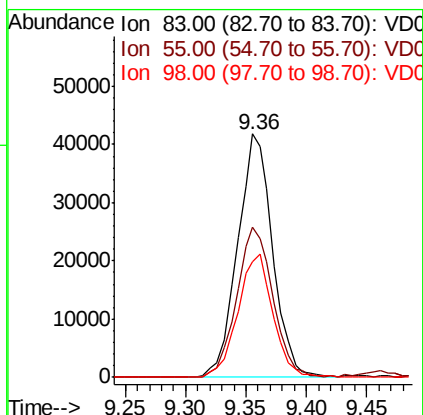
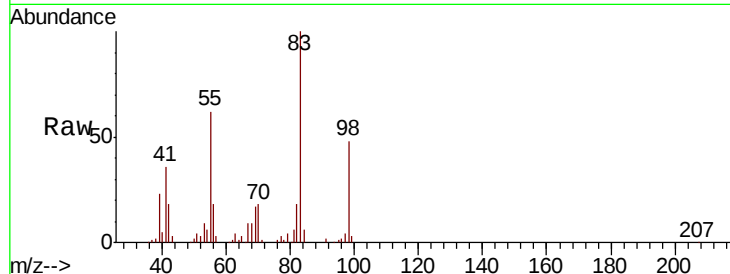




#39
Methvlcvclohexane
Concen: 20.557 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

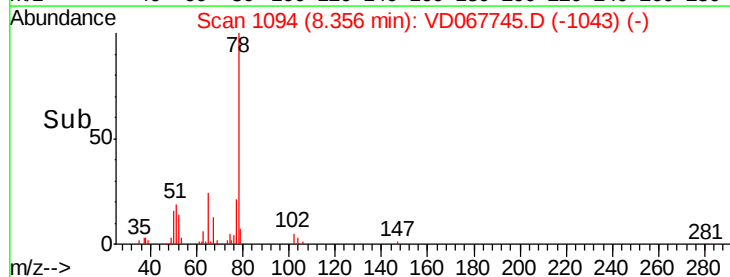
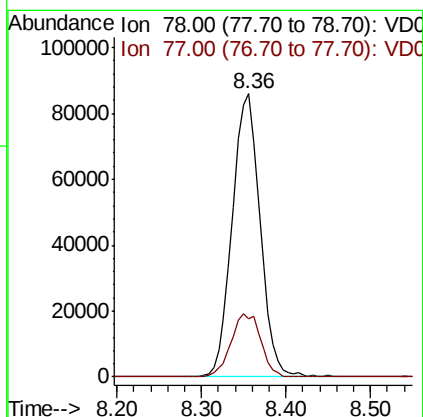
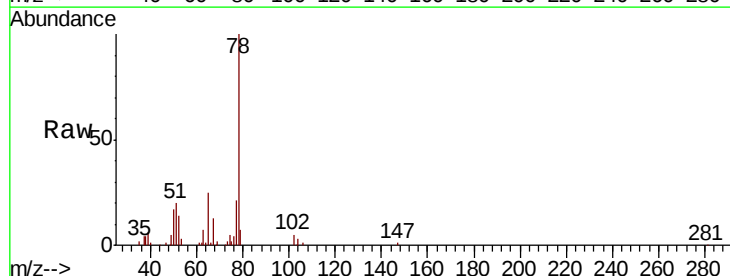
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

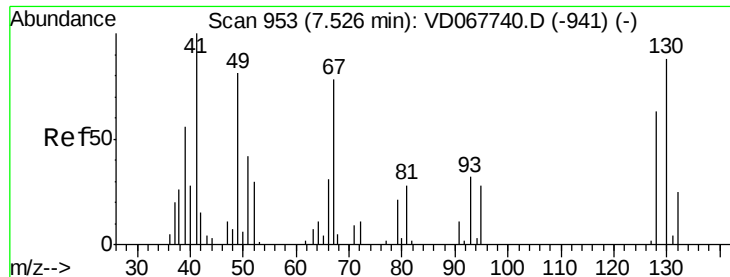
Tot Ion: 83 Resp: 84228
Ion Ratio Lower Upper
83 100
55 61.7 51.0 76.4
98 47.7 40.4 60.6



#40
Benzene
Concen: 20.580 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 78 Resp: 195693
Ion Ratio Lower Upper
78 100
77 20.7 17.8 26.6

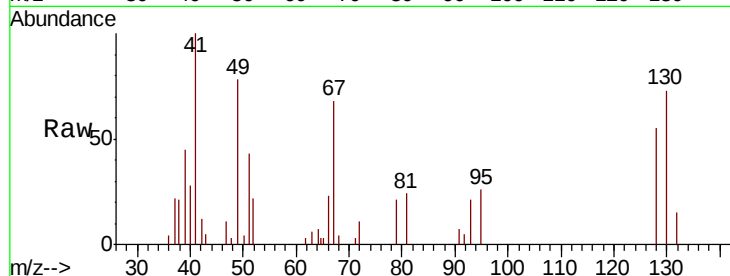




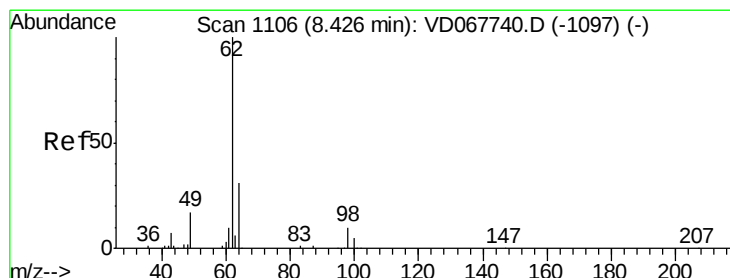
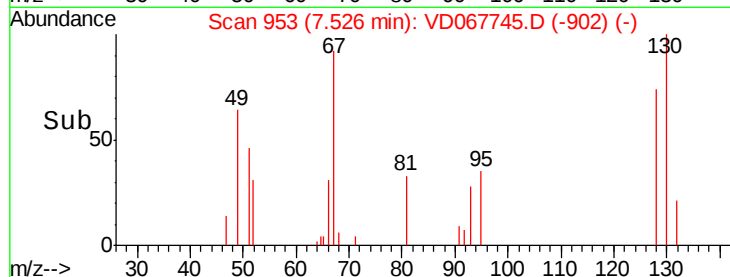
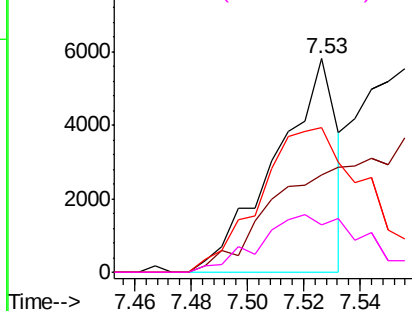
#41
Methacrylonitrile
Concen: 18.641 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion: 41 Resp: 8862
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 115.7 79.0 118.6
52 47.2 32.4 48.6

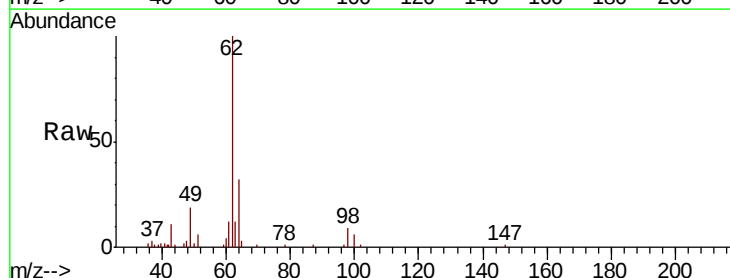


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

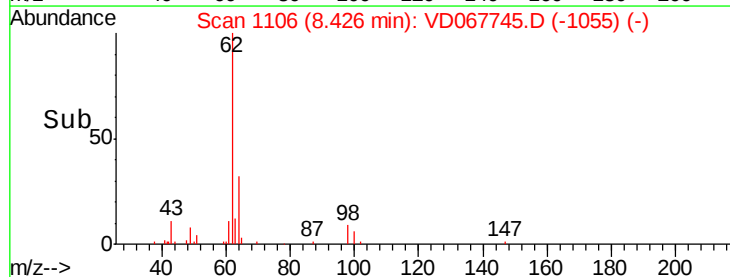
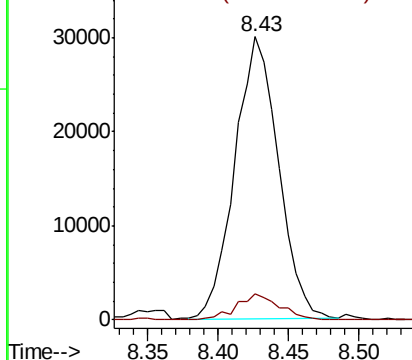


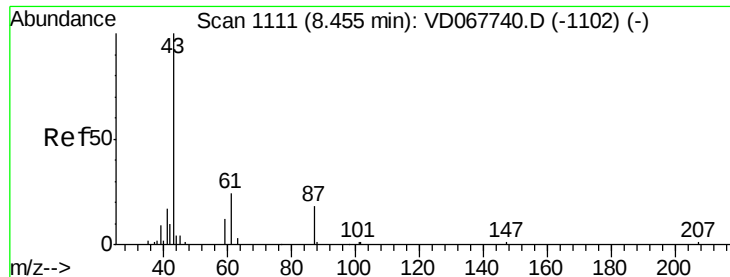
#42
1,2-Dichloroethane
Concen: 20.089 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 62 Resp: 64815
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.2



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



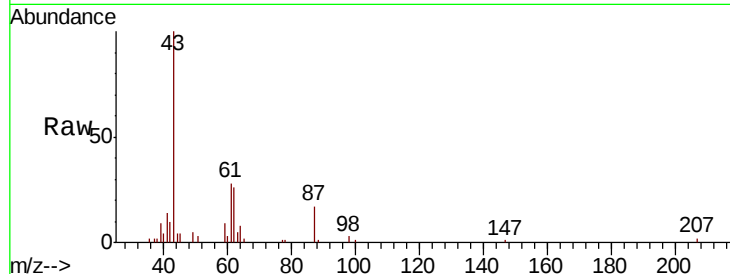


#43

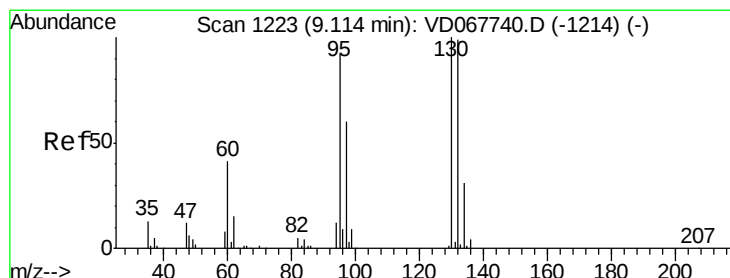
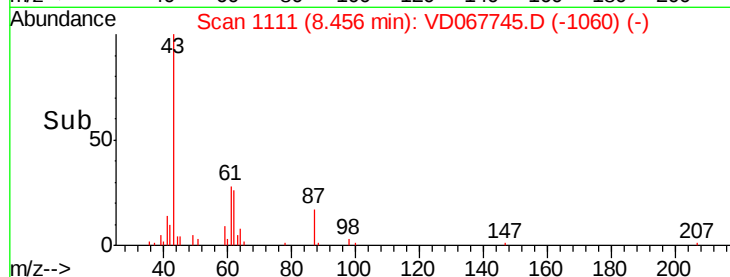
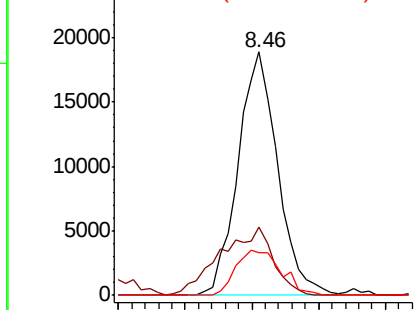
Isopropyl Acetate
 Concen: 20.868 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	43	Resp	38797
Ion Ratio	Lower	Upper	
43	100		
61	37.4	30.2	45.4
87	21.3	14.2	21.4



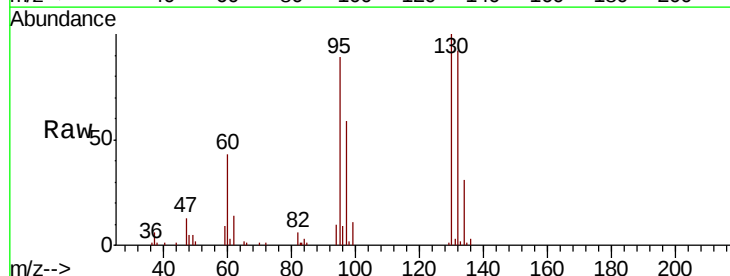
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



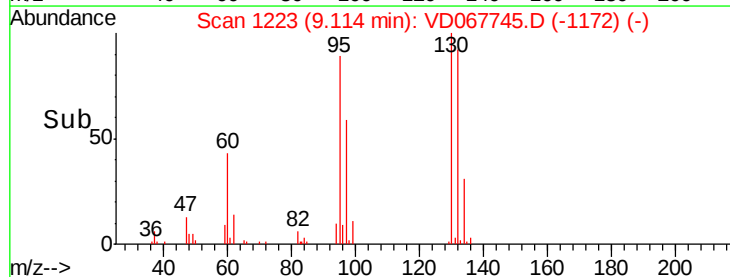
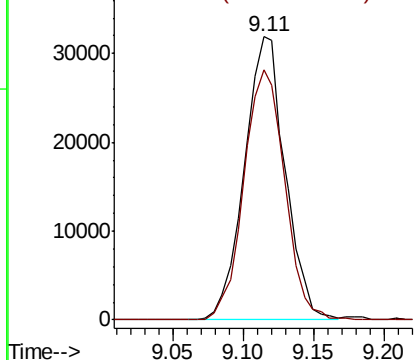
#44

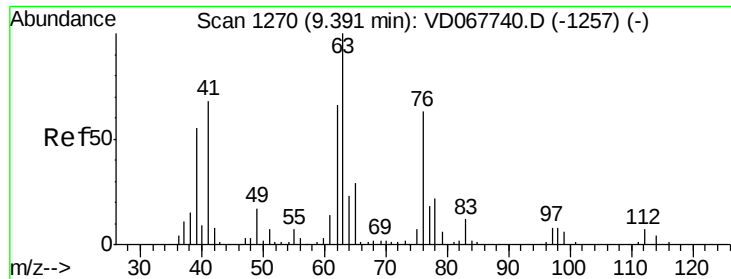
Trichloroethene
 Concen: 20.512 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	130	Resp	64646
Ion Ratio	Lower	Upper	
130	100		
95	88.5	0.0	184.2



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





#45

1,2-Dichloropropane

Concen: 21.397 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

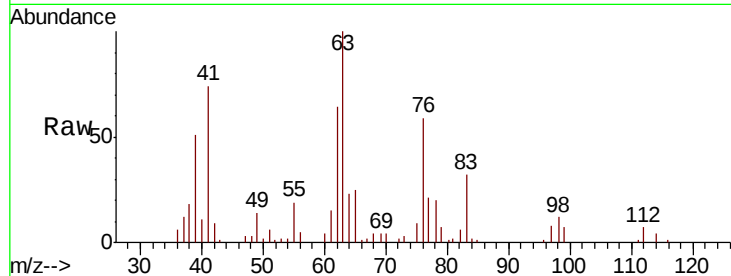
VD1123SBS01

Tot Ion: 63 Resp: 41748

Ion Ratio Lower Upper

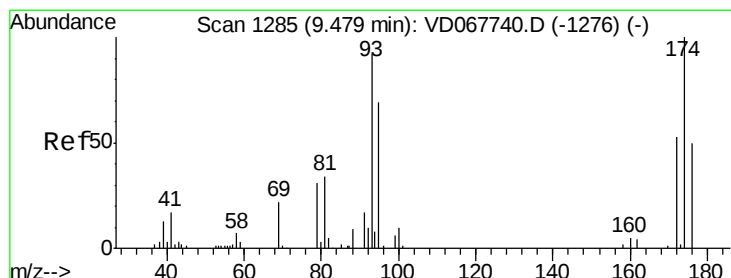
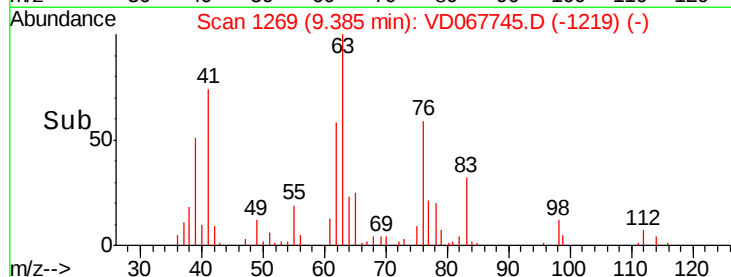
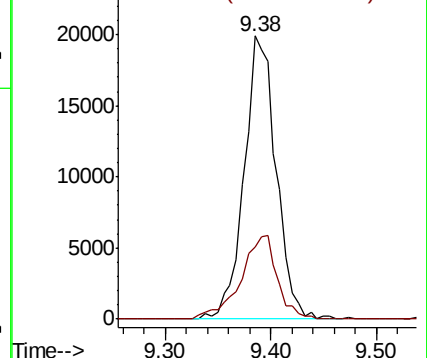
63 100

65 25.4 23.1 34.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.149 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

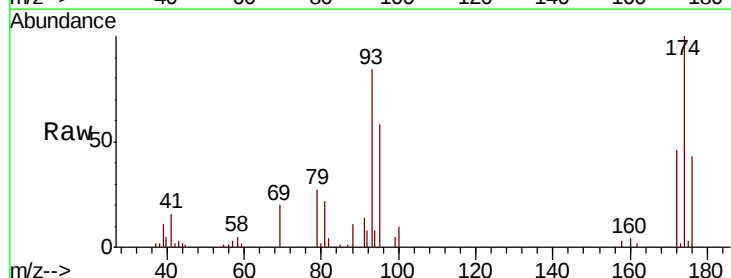
Tgt Ion: 93 Resp: 26765

Ion Ratio Lower Upper

93 100

95 81.5 63.4 95.2

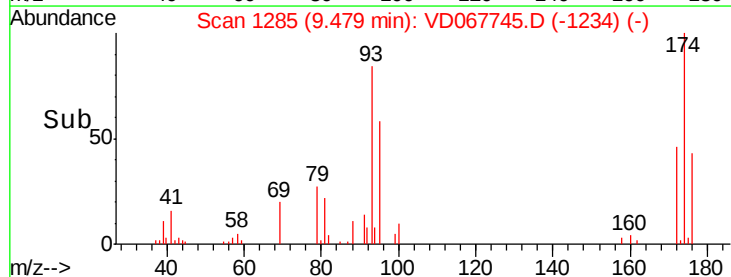
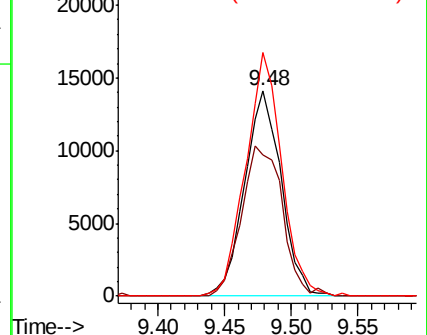
174 116.2 89.6 134.4

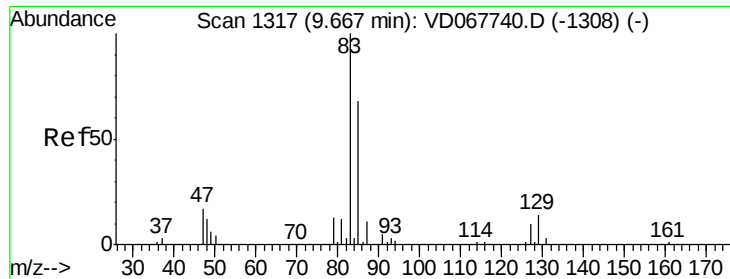


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.912 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

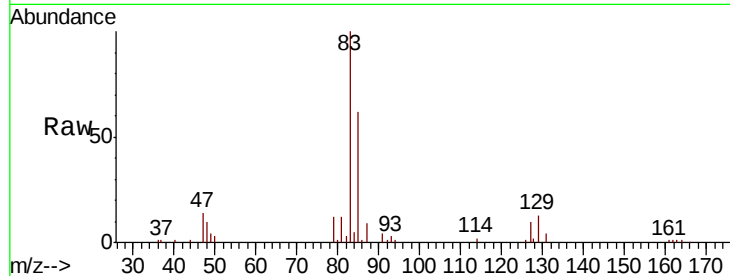
Tot Ion: 83 Resp: 77353

Ion Ratio Lower Upper

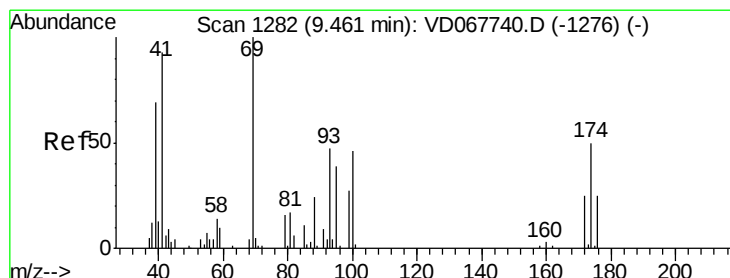
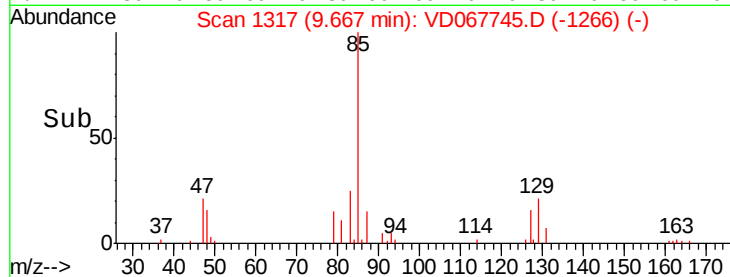
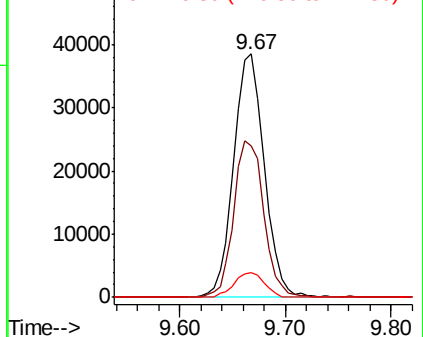
83 100

85 62.0 54.2 81.2

127 9.9 7.6 11.4



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: 18.899 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

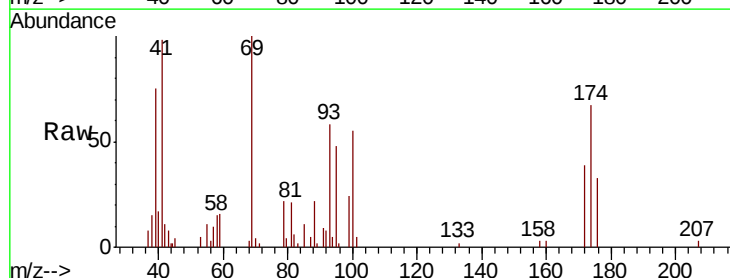
Tgt Ion: 41 Resp: 17566

Ion Ratio Lower Upper

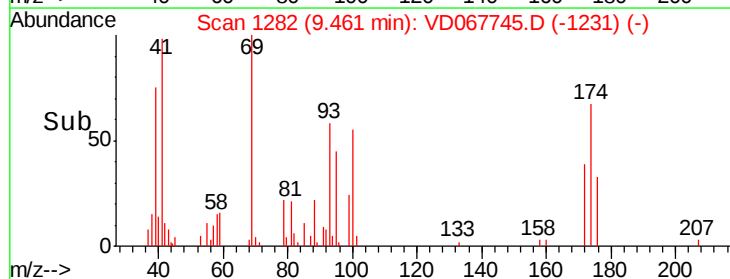
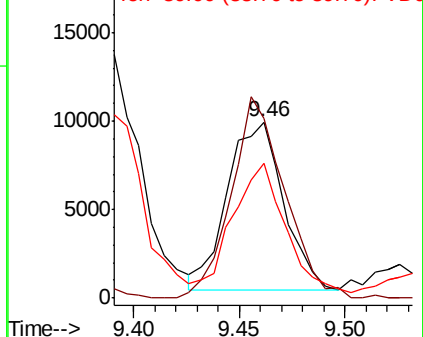
41 100

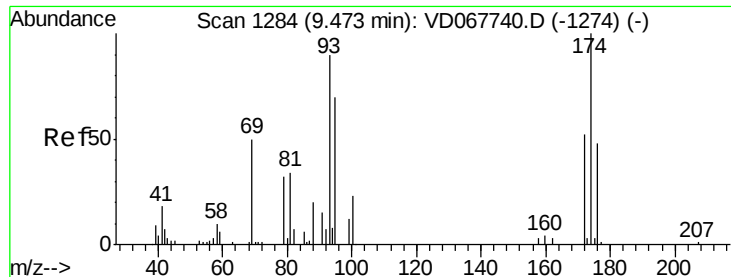
69 113.2 87.8 131.6

39 71.9 60.5 90.7



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: 415.884 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.02 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

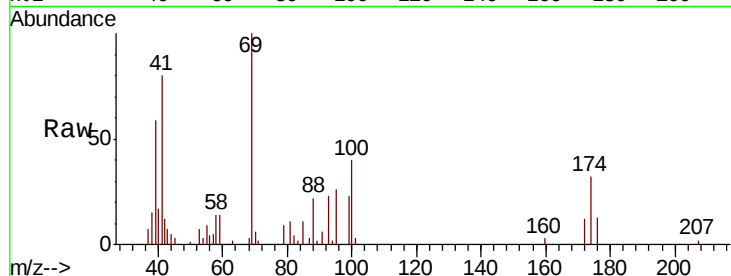
Tot Ion: 88 Resp: 5987

Ion Ratio Lower Upper

88 100

43 33.3 25.2 37.8

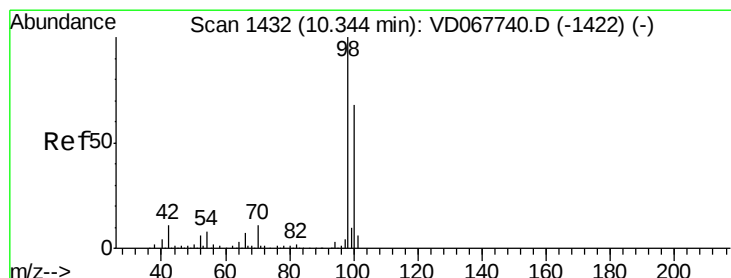
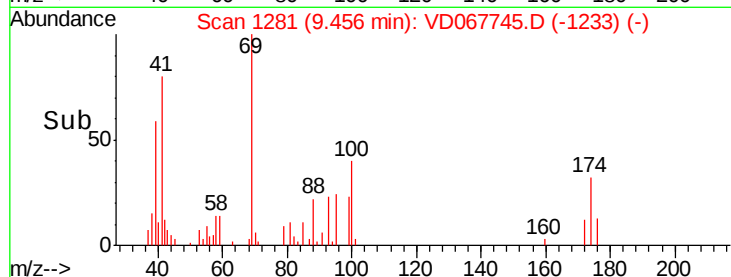
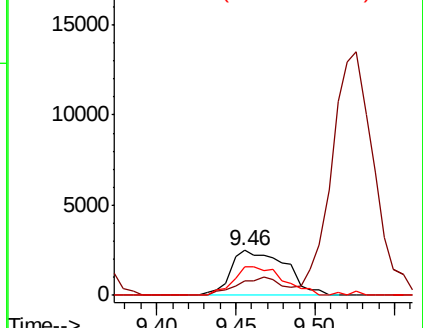
58 58.0 48.2 72.2



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: 51.697 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067745.D

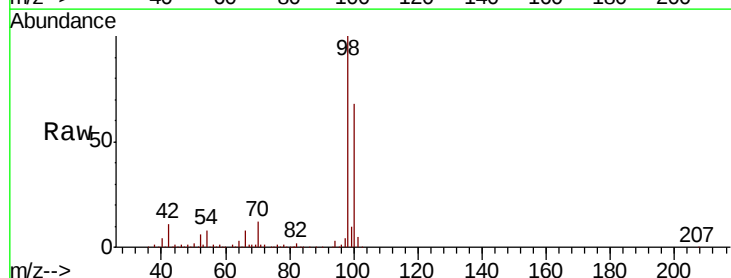
Acq: 23 Nov 2020 14:59

Tgt Ion: 98 Resp: 485317

Ion Ratio Lower Upper

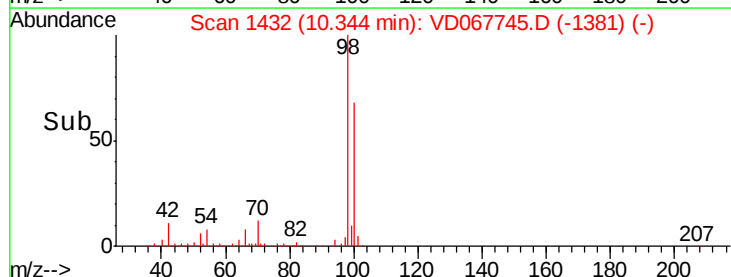
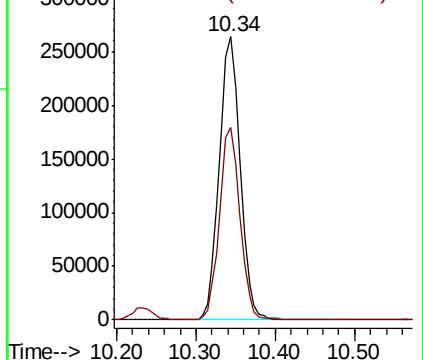
98 100

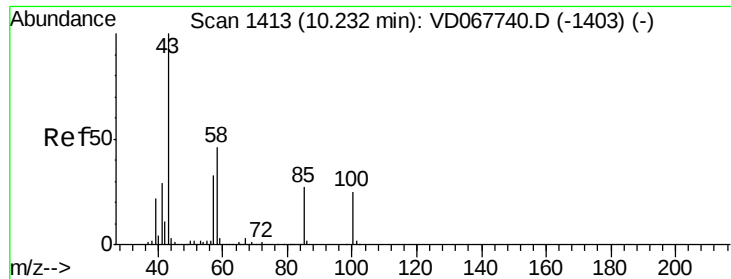
100 66.3 53.1 79.7



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: 101.809 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

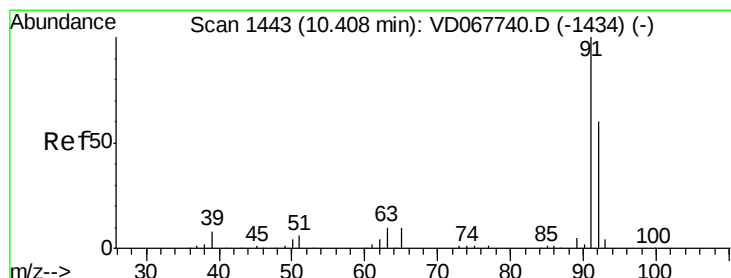
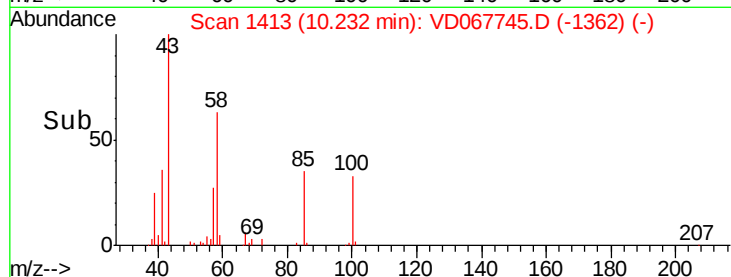
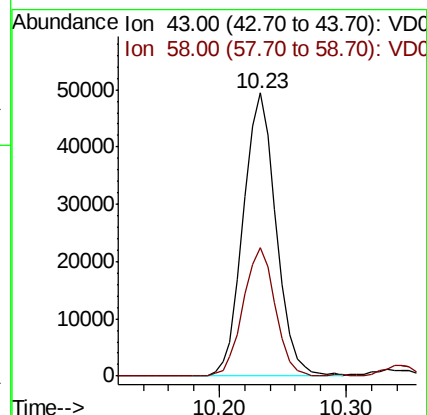
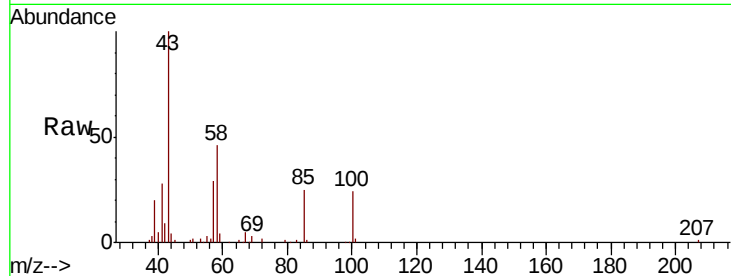
VD1123SBS01

Tot Ion: 43 Resp: 89067

Ion Ratio Lower Upper

43 100

58 44.1 34.7 52.1



#52

Toluene

Concen: 21.307 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067745.D

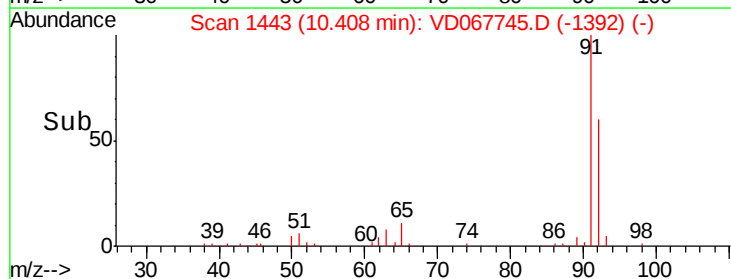
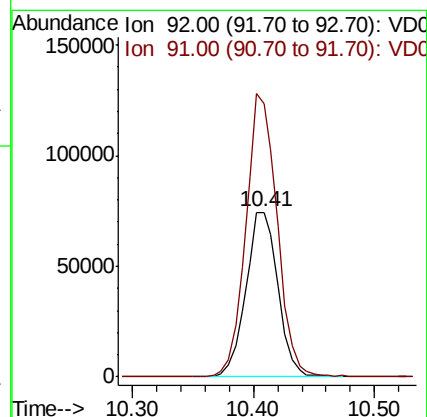
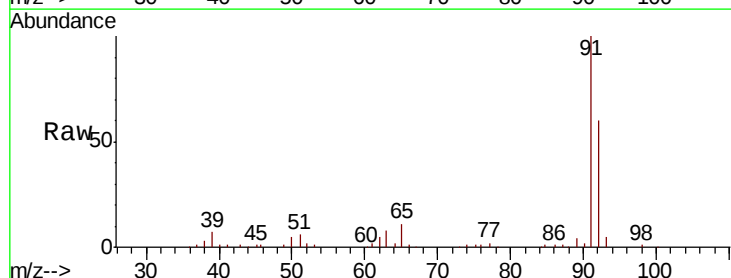
Acq: 23 Nov 2020 14:59

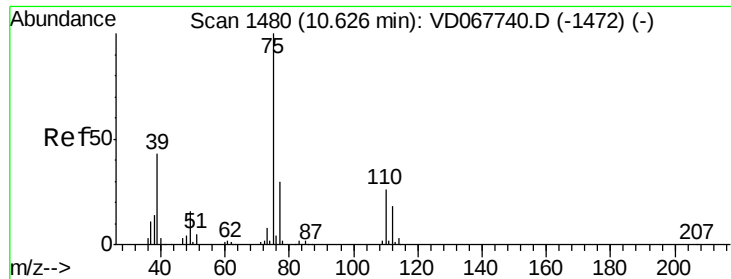
Tgt Ion: 92 Resp: 137449

Ion Ratio Lower Upper

92 100

91 167.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.963 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

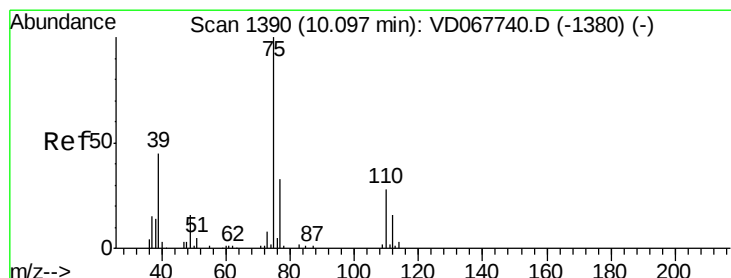
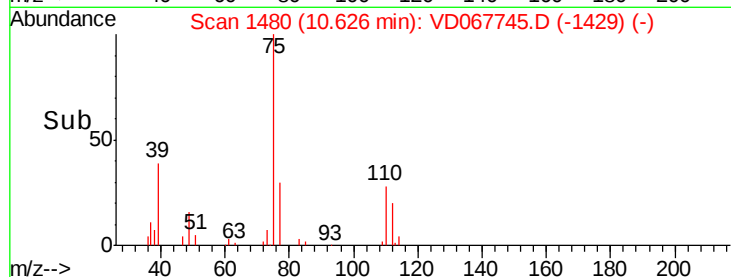
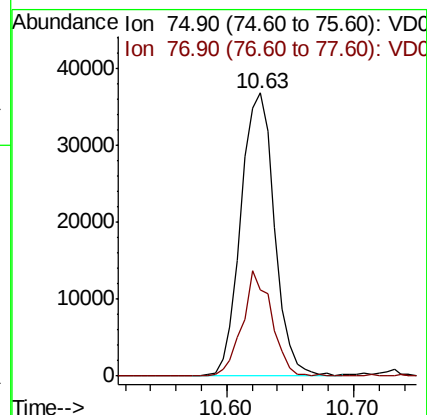
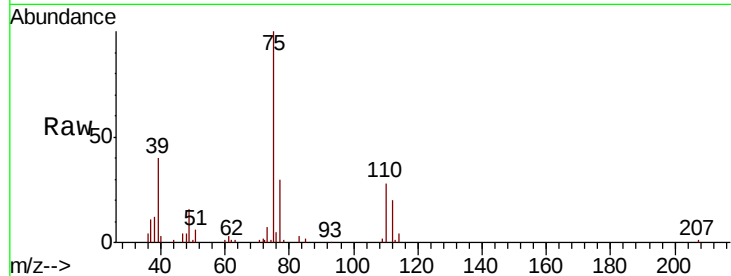
VD1123SBS01

Tot Ion: 75 Resp: 67747

Ion Ratio Lower Upper

75 100

77 30.4 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 20.819 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

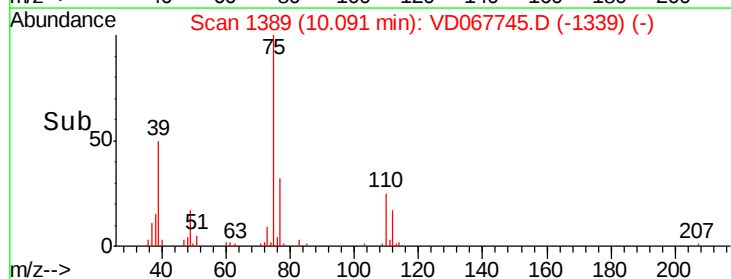
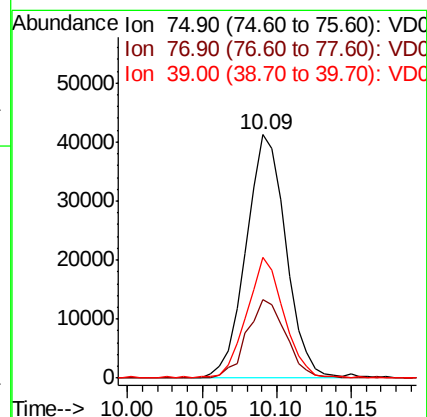
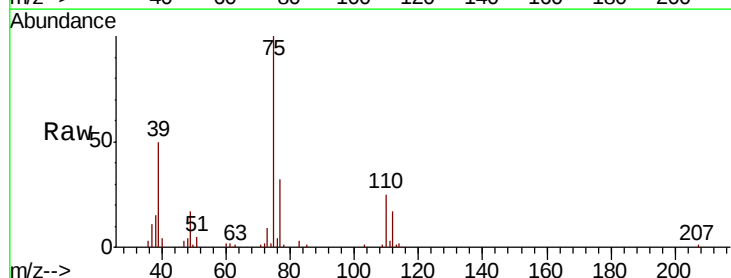
Tgt Ion: 75 Resp: 76142

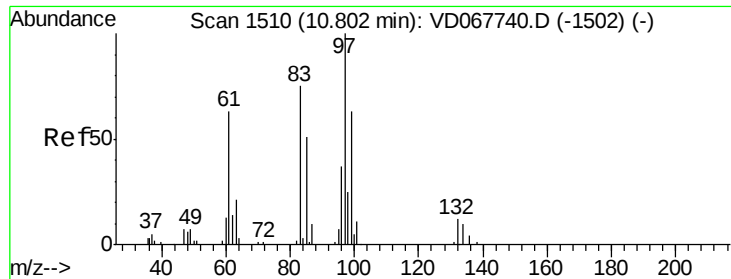
Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

39 49.8 35.8 53.6





#55

1,1,2-Trichloroethane

Concen: 20.077 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 97 Resp: 35784

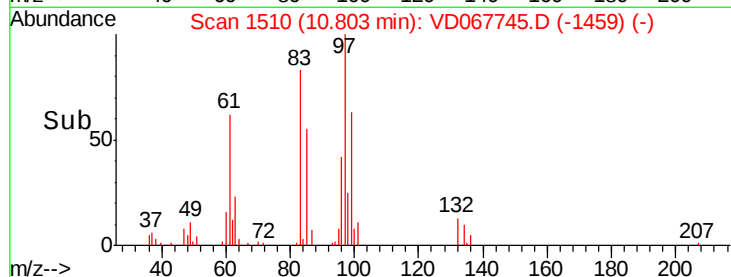
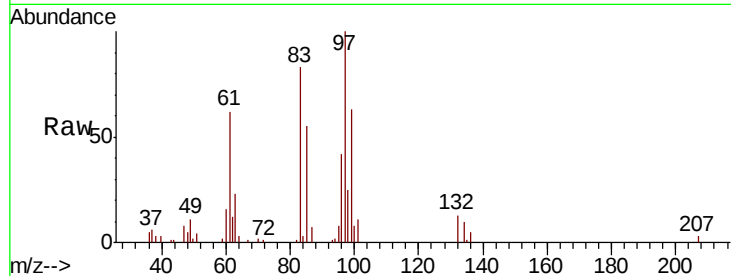
Ion	Ratio	Lower	Upper
97	100		
83	82.8	60.2	90.4
85	55.3	40.5	60.7
99	63.0	50.6	76.0

97 100

83 82.8 60.2 90.4

85 55.3 40.5 60.7

99 63.0 50.6 76.0



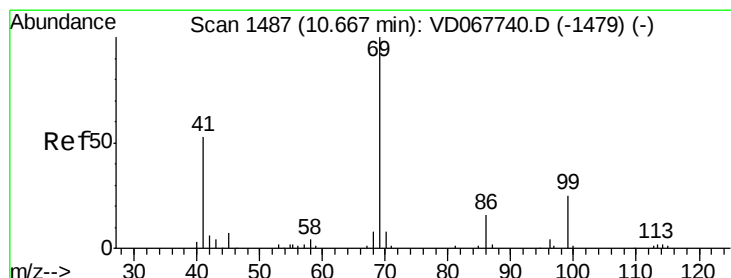
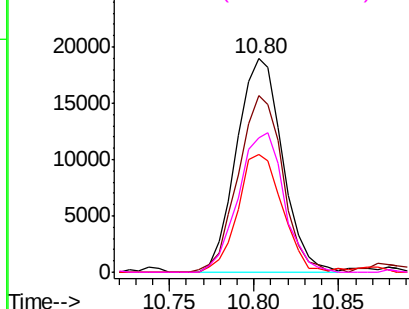
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.726 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

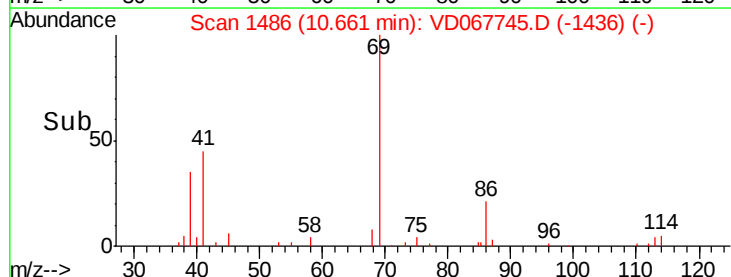
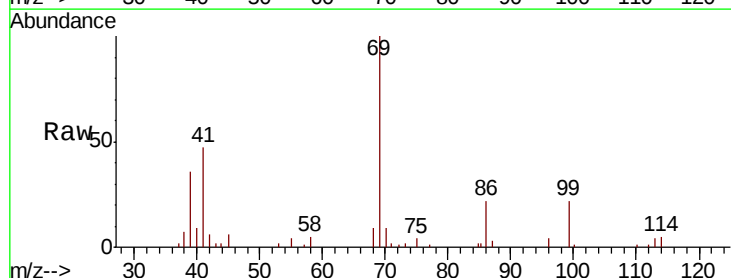
Tgt Ion: 69 Resp: 38246

Ion	Ratio	Lower	Upper
69	100		
41	51.7	43.4	65.0
39	33.8	29.6	44.4

69 100

41 51.7 43.4 65.0

39 33.8 29.6 44.4

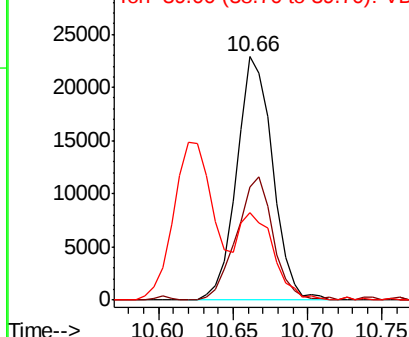


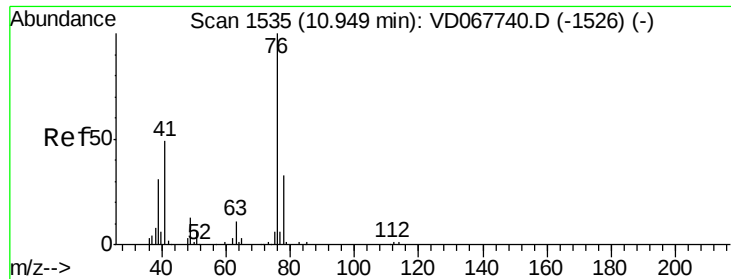
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

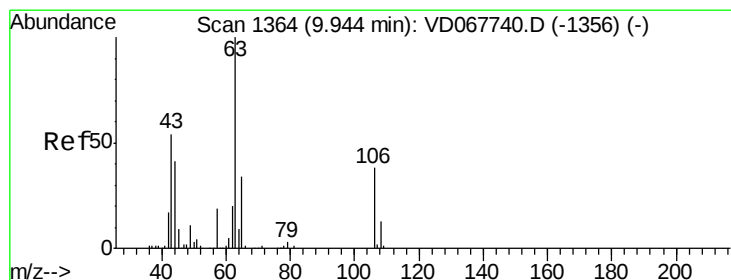
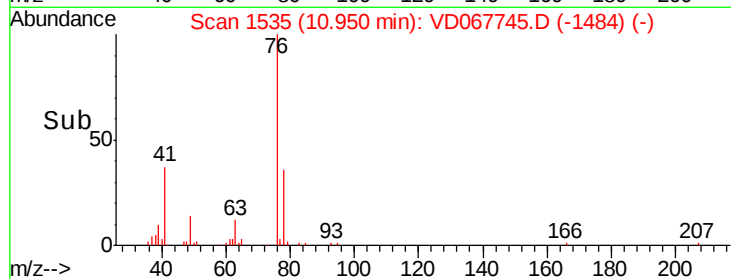
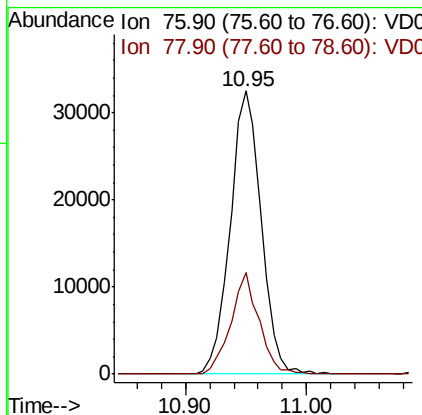
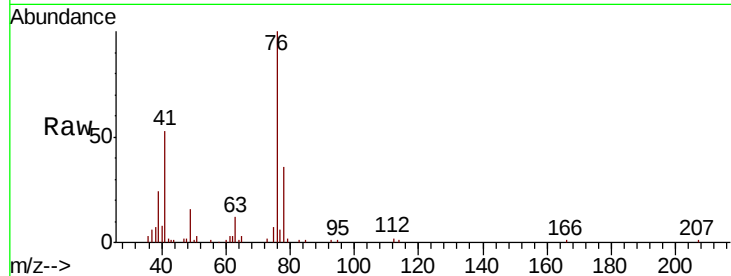




#57
 1,3-Dichloropropane
 Concen: 20.624 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

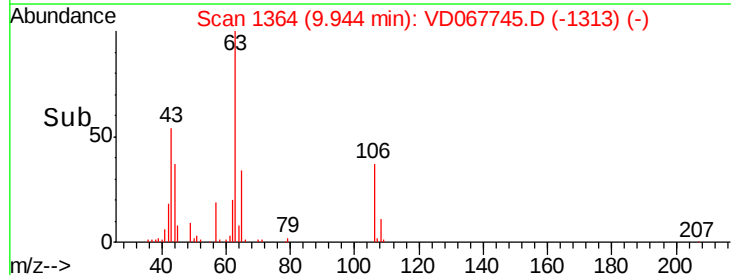
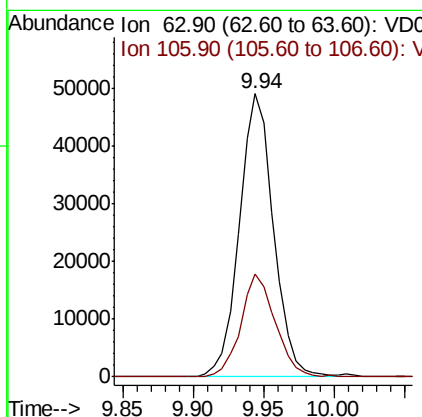
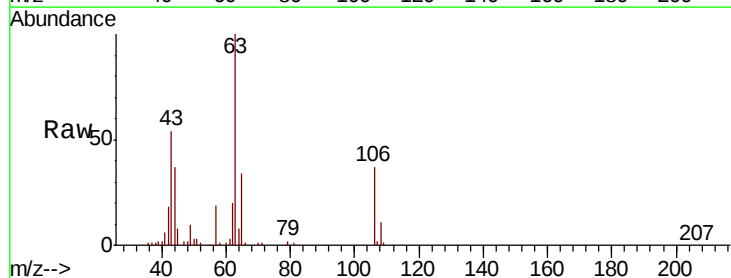
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

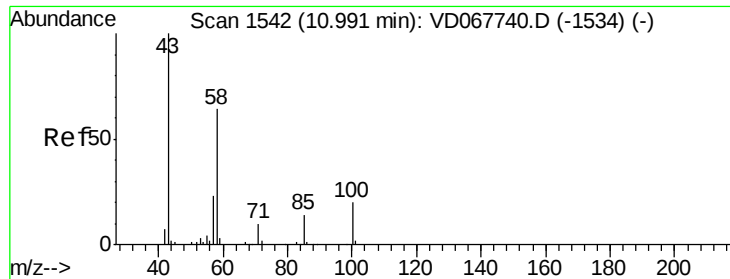
Tot Ion: 76 Resp: 57958
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.421 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion: 63 Resp: 83135
 Ion Ratio Lower Upper
 63 100
 106 36.6 31.0 46.6

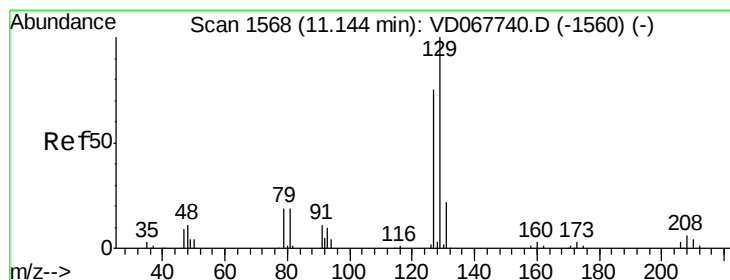
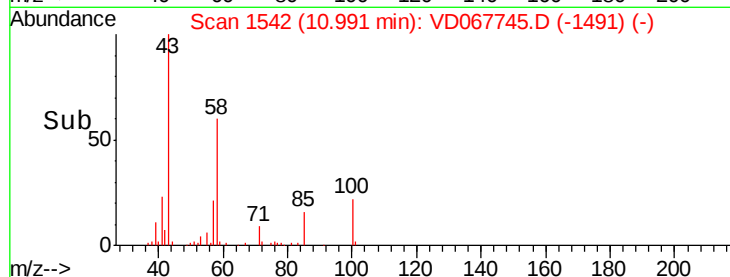
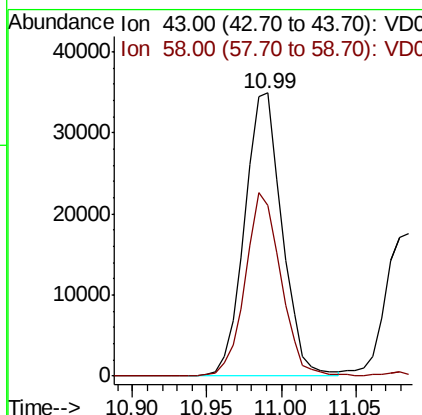
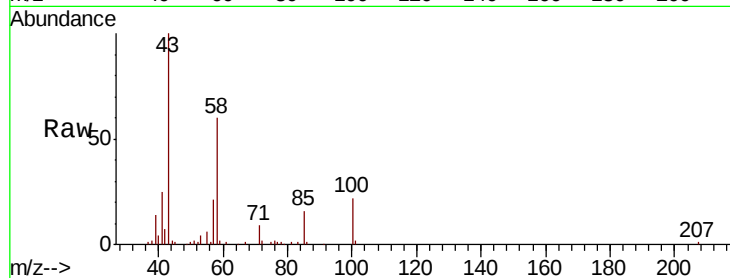




#59
2-Hexanone
Concen: 97.949 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

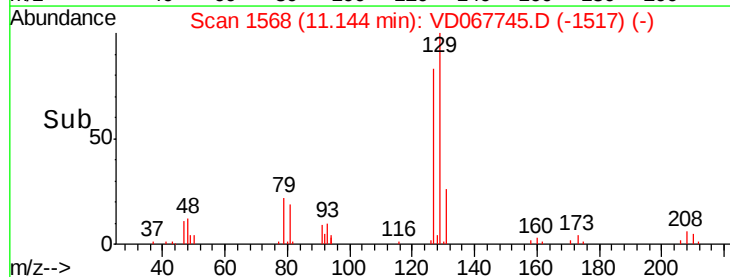
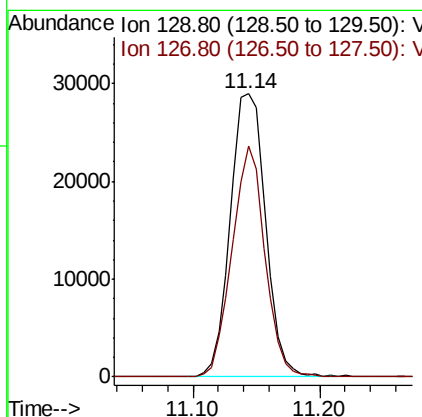
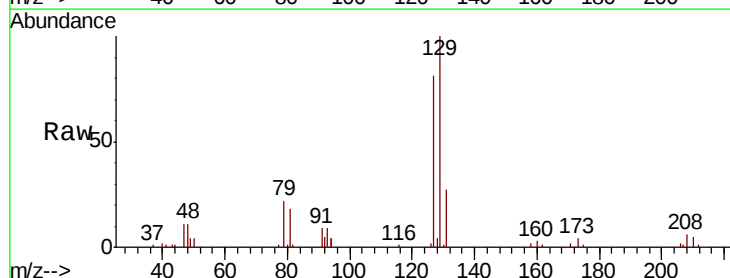
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

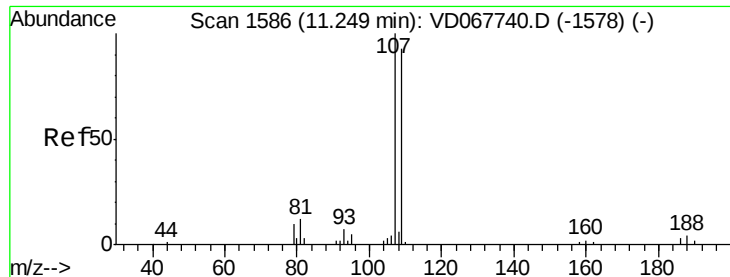
Tot Ion: 43 Resp: 60500
Ion Ratio Lower Upper
43 100
58 61.6 30.5 91.5



#60
Dibromochloromethane
Concen: 20.558 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 129 Resp: 55835
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.7

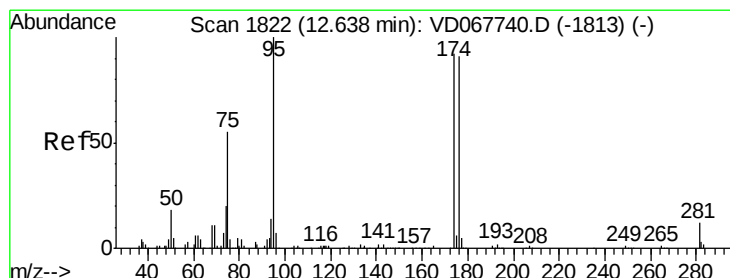
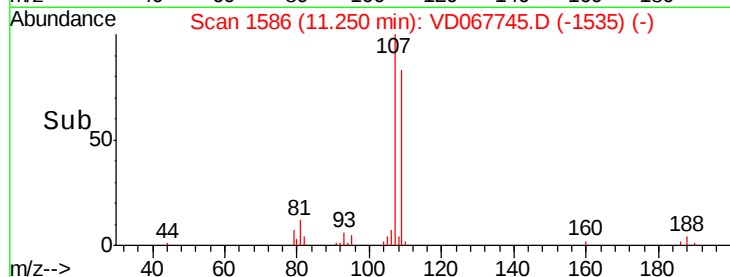
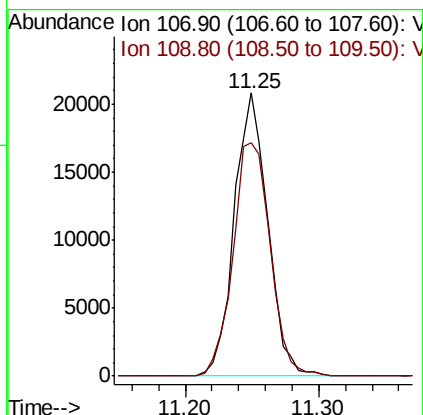
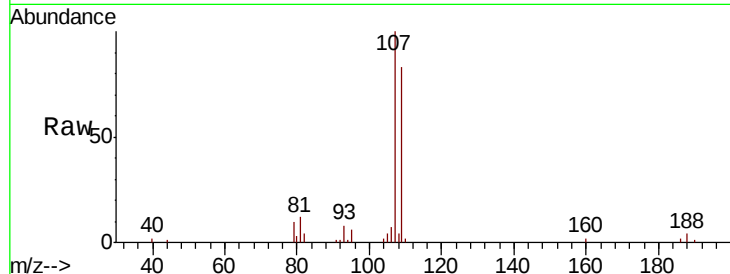




#61
 1,2-Dibromoethane
 Concen: 20.611 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

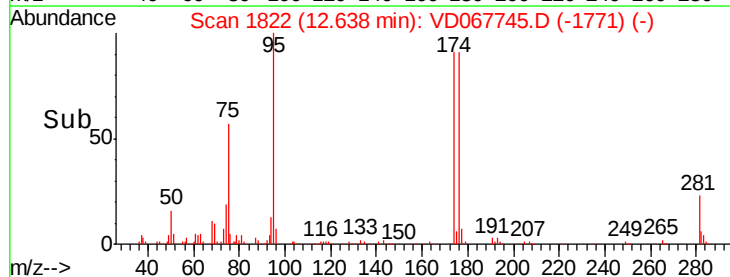
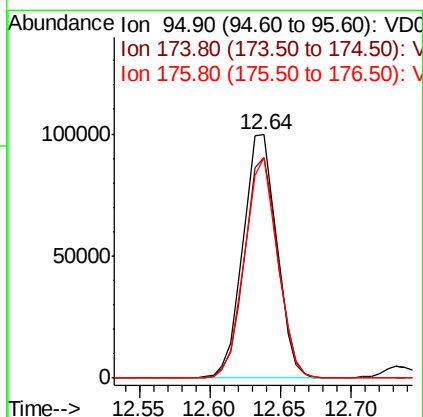
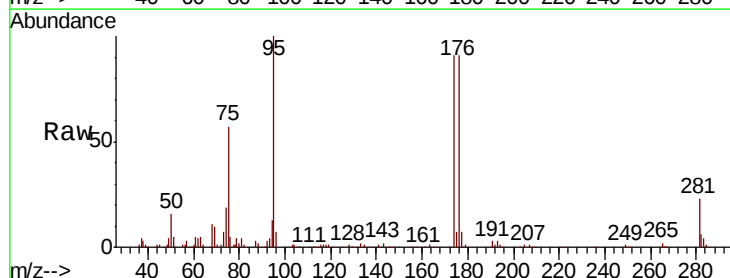
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

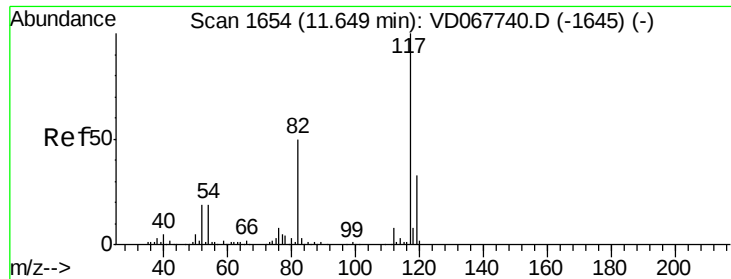
Tot Ion: 107 Resp: 36196
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.398 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion: 95 Resp: 168134
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 182.4
 176 88.2 0.0 178.2

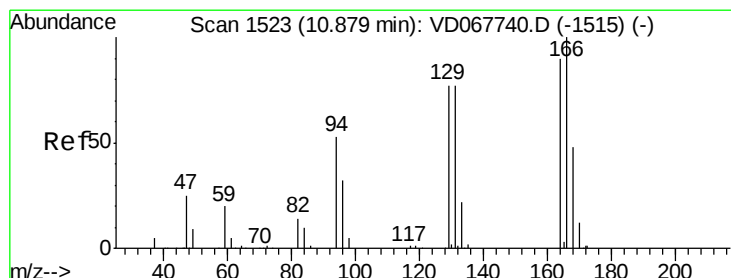
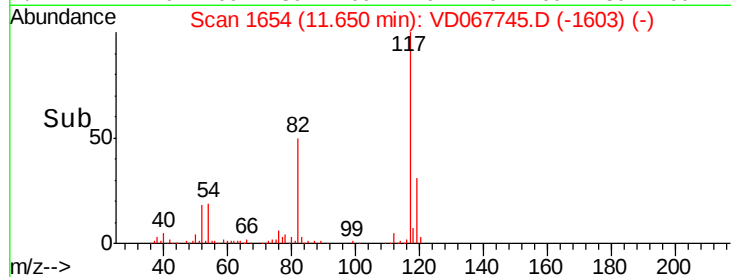
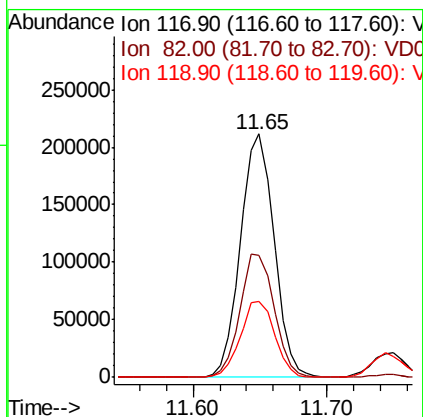
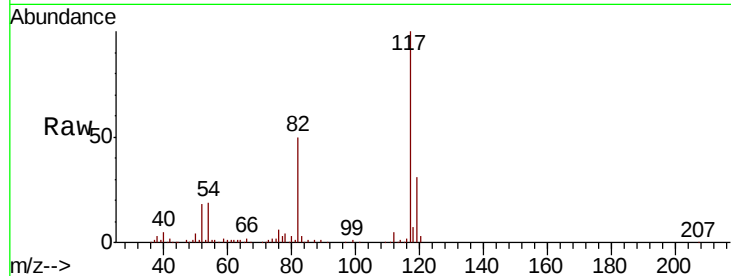




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

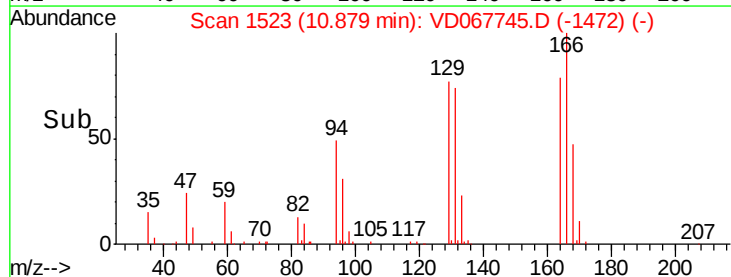
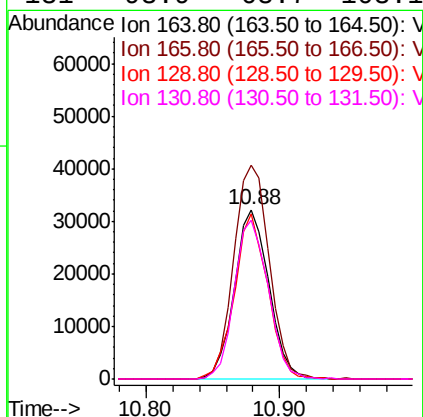
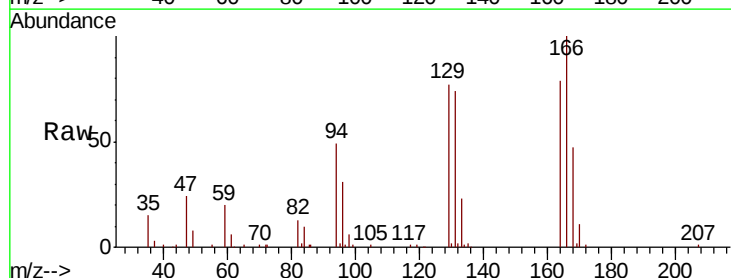
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

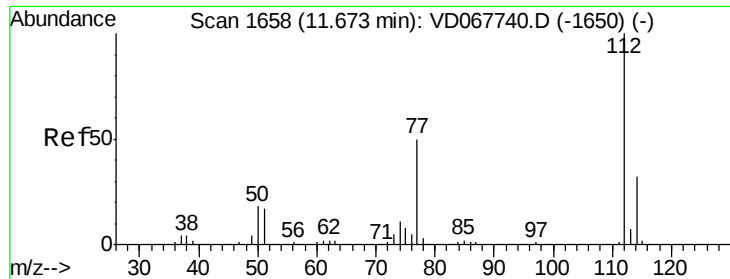
Tot Ion:117 Resp: 369769
Ion Ratio Lower Upper
117 100
82 50.0 40.2 60.4
119 31.4 26.5 39.7



#64
Tetrachloroethene
Concen: 20.118 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion:164 Resp: 57738
Ion Ratio Lower Upper
164 100
166 126.4 89.2 133.8
129 97.4 68.4 102.6
131 93.9 68.7 103.1





#65

Chlorobenzene

Concen: 20.632 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

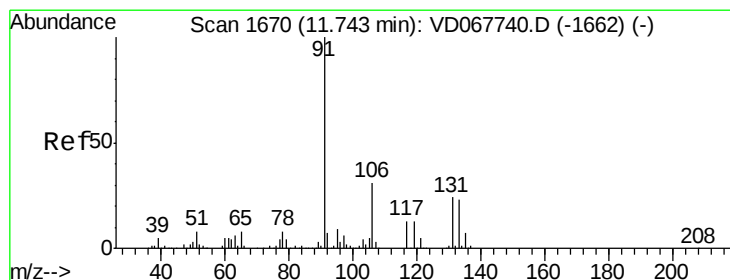
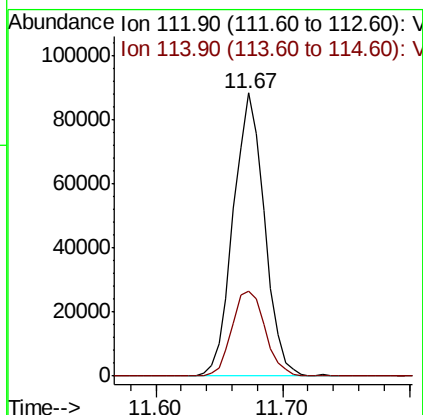
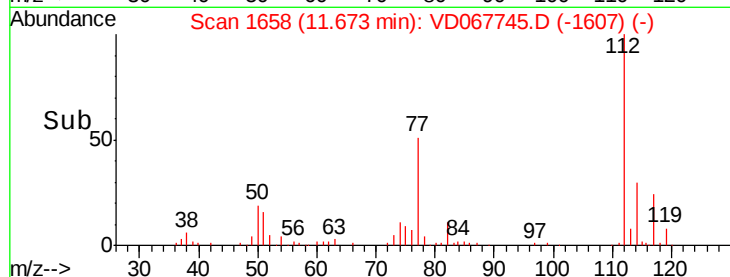
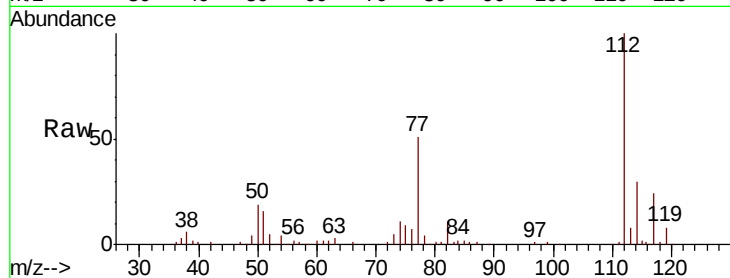
VD1123SBS01

Tot Ion:112 Resp: 149944

Ion Ratio Lower Upper

112 100

114 30.2 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 21.109 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

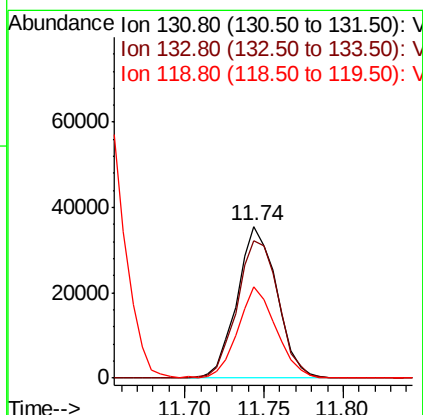
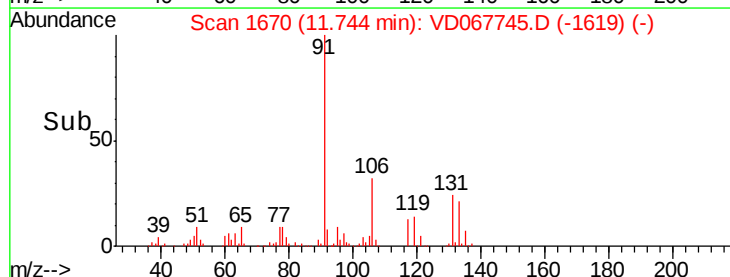
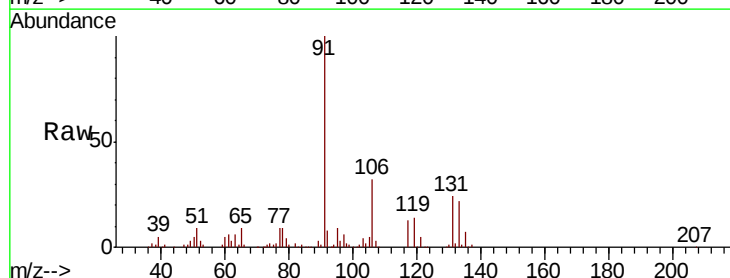
Tgt Ion:131 Resp: 62056

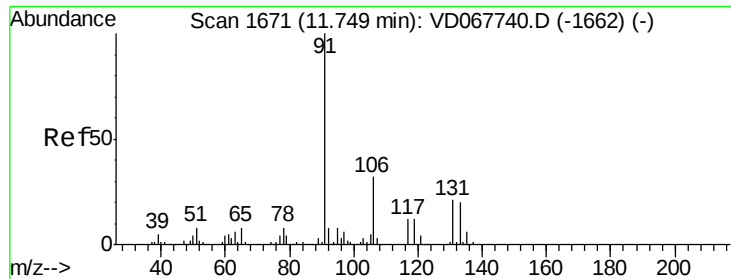
Ion Ratio Lower Upper

131 100

133 94.7 49.0 147.0

119 57.8 28.8 86.5





#67

Ethyl Benzene

Concen: 20.840 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

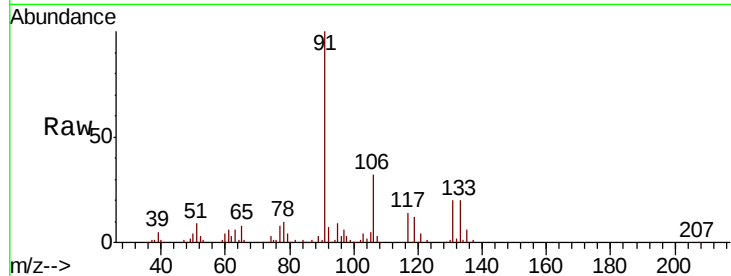
VD1123SBS01

Tot Ion: 91 Resp: 261468

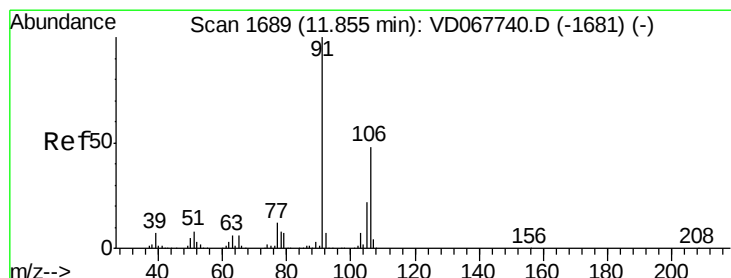
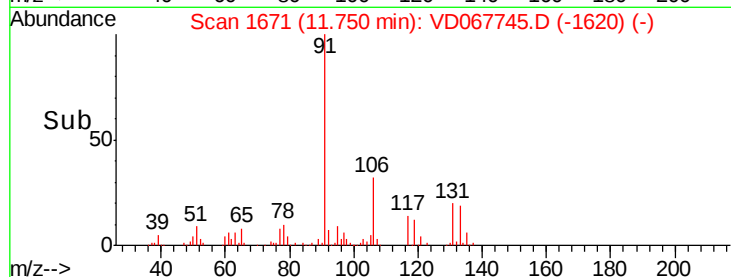
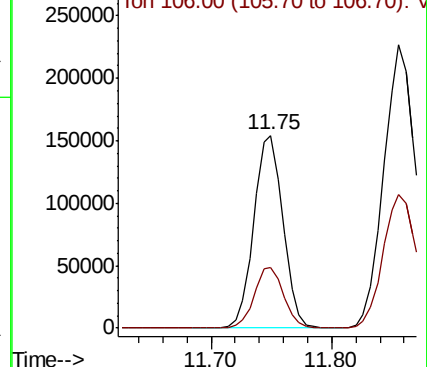
Ion Ratio Lower Upper

91 100

106 31.5 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.339 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067745.D

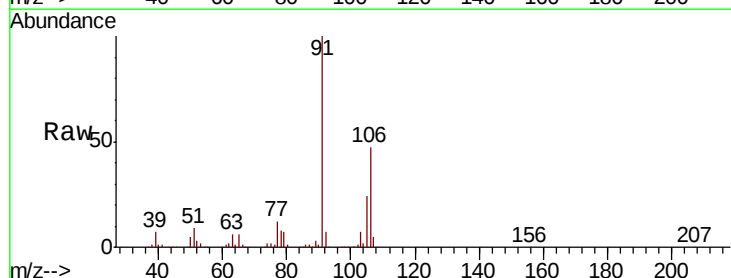
Acq: 23 Nov 2020 14:59

Tgt Ion: 106 Resp: 206717

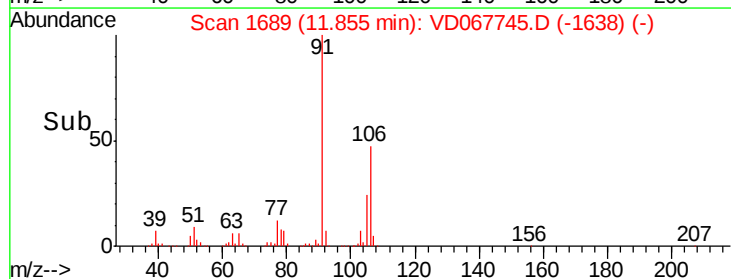
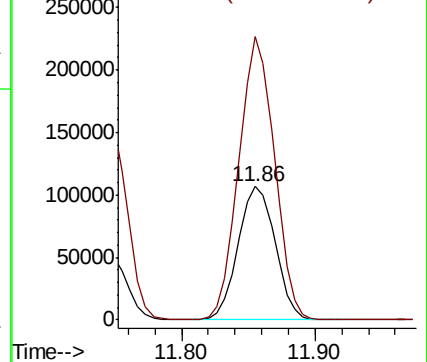
Ion Ratio Lower Upper

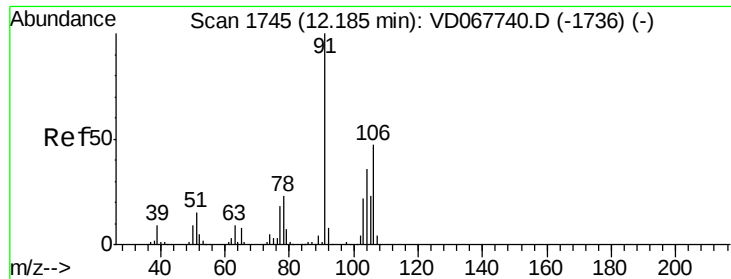
106 100

91 203.8 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): V

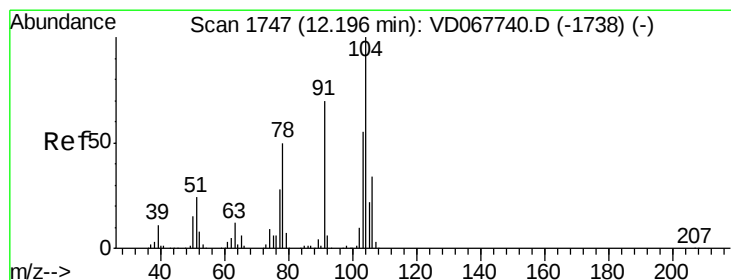
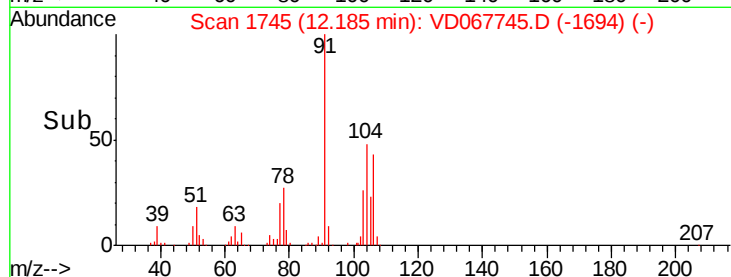
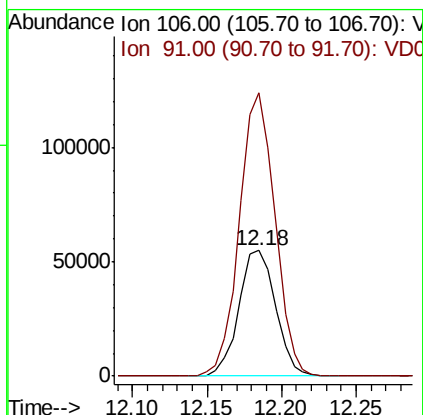
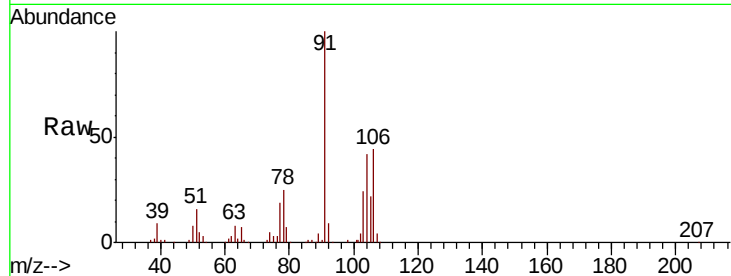




#69
o-Xylene
Concen: 21.056 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

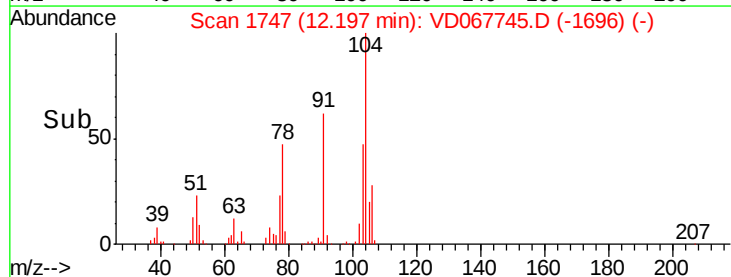
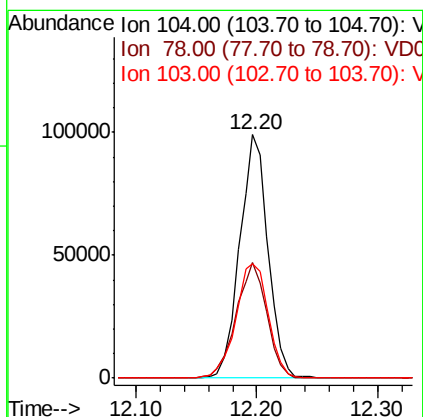
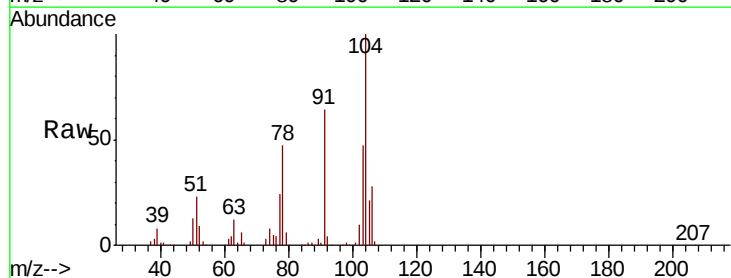
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

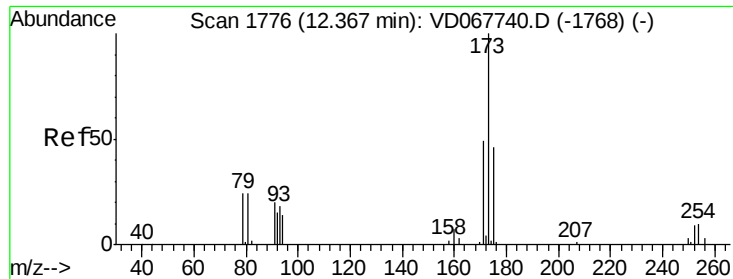
Tot Ion:106 Resp: 93601
Ion Ratio Lower Upper
106 100
91 218.4 106.2 318.6



#70
Styrene
Concen: 21.314 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion:104 Resp: 161386
Ion Ratio Lower Upper
104 100
78 51.7 41.9 62.9
103 53.9 44.1 66.1

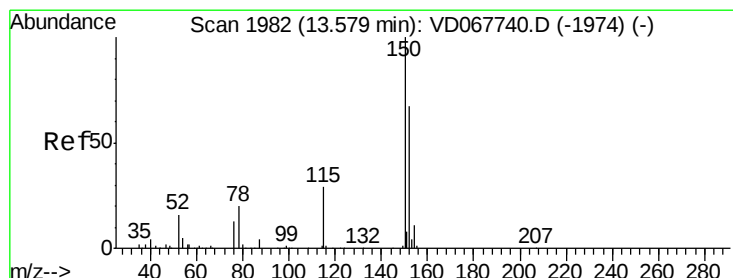
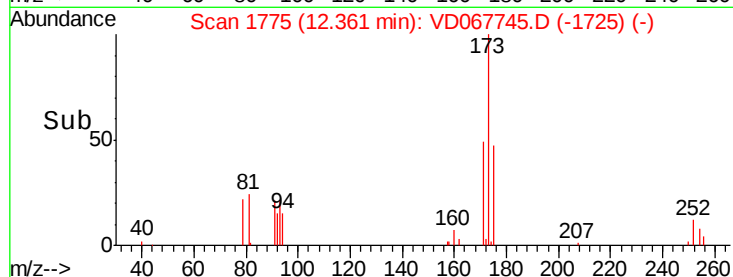
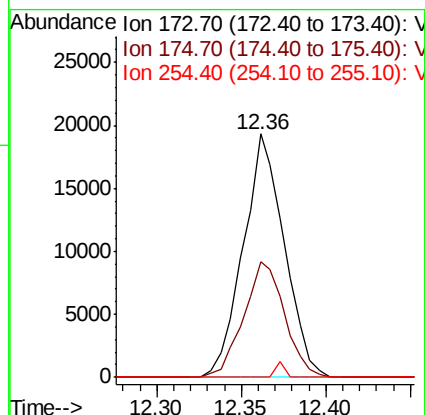
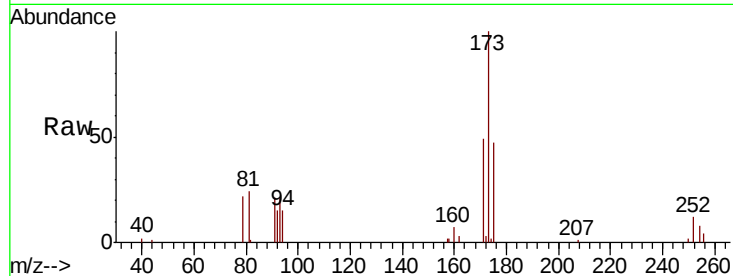




#71
Bromoform
Concen: 20.502 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

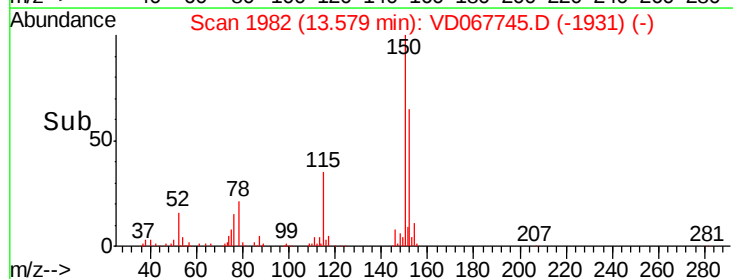
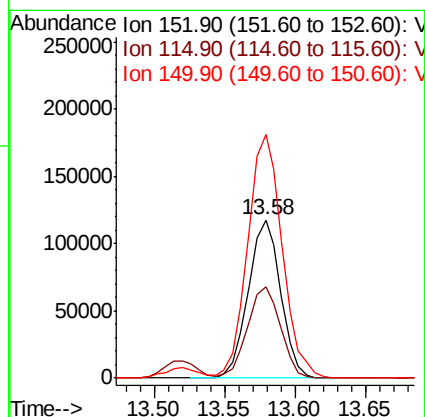
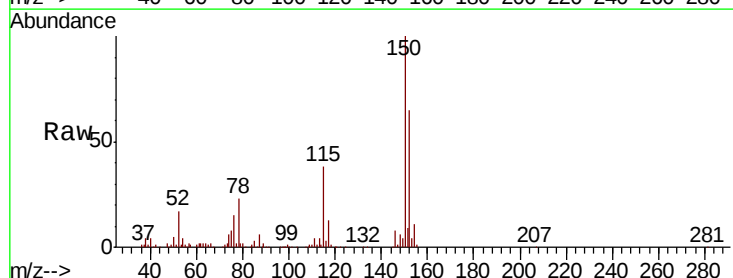
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

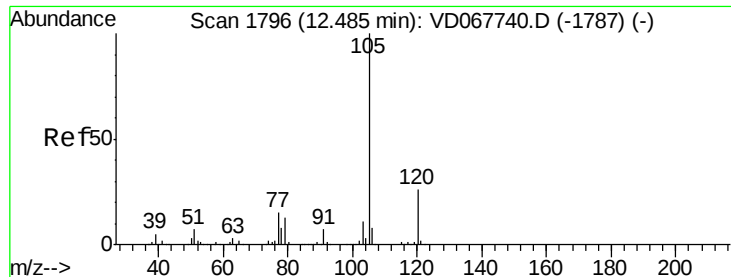
Tot Ion:173 Resp: 32719
Ion Ratio Lower Upper
173 100
175 47.3 23.9 71.7
254 1.3 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion:152 Resp: 190174
Ion Ratio Lower Upper
152 100
115 58.9 29.4 88.3
150 162.9 0.0 340.6





#73

Isopropylbenzene

Concen: 21.021 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

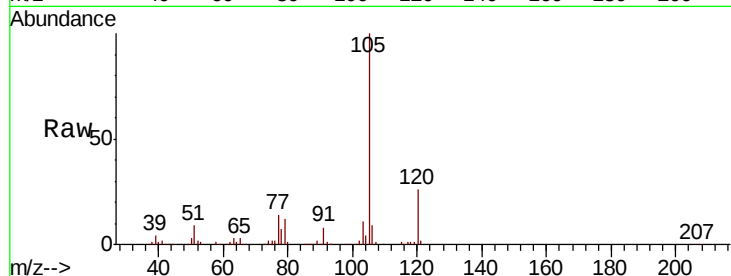
VD1123SBS01

Tot Ion:105 Resp: 263031

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

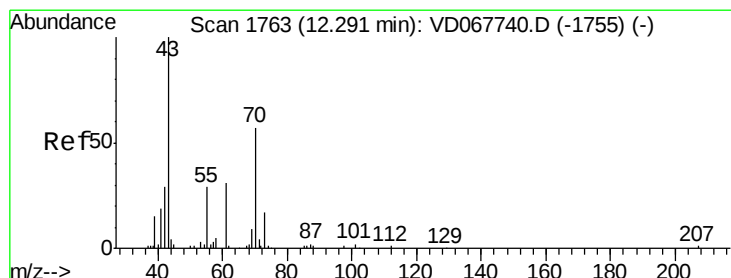
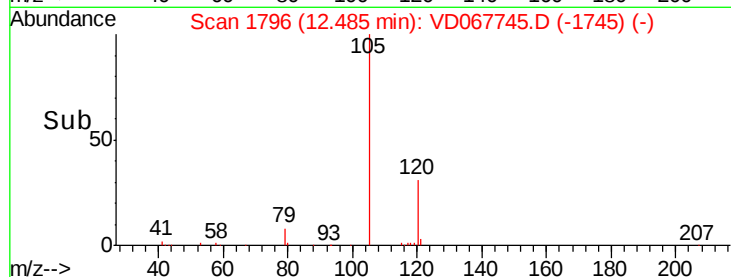
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.705 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Tgt Ion: 43 Resp: 34165

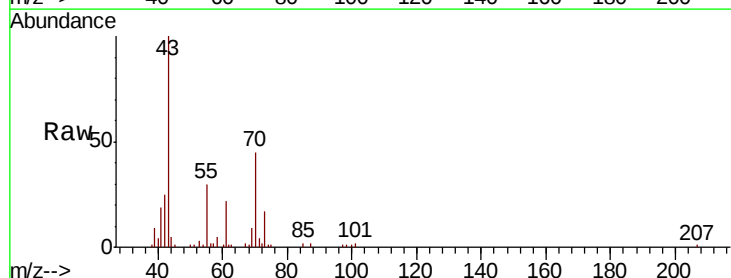
Ion Ratio Lower Upper

43 100

70 55.6 44.6 66.8

55 31.0 24.2 36.2

61 25.1 22.0 33.0



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

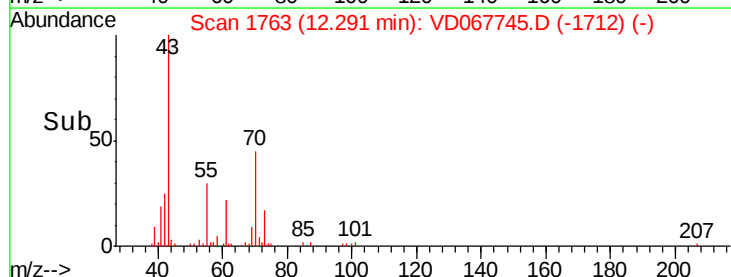
30000

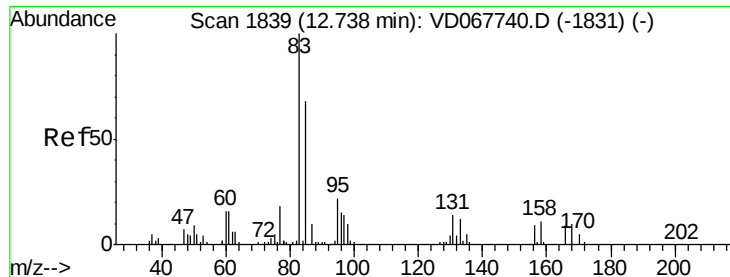
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.823 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

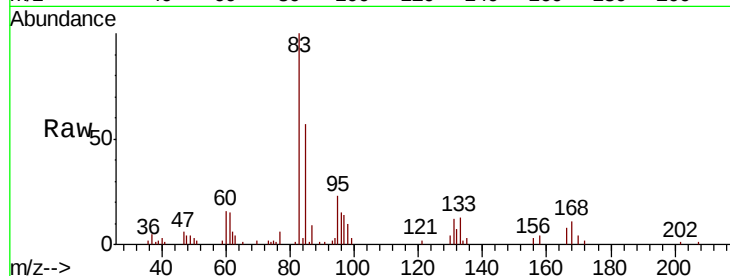
Tot Ion: 83 Resp: 34967

Ion Ratio Lower Upper

83 100

131 14.0 8.1 24.1

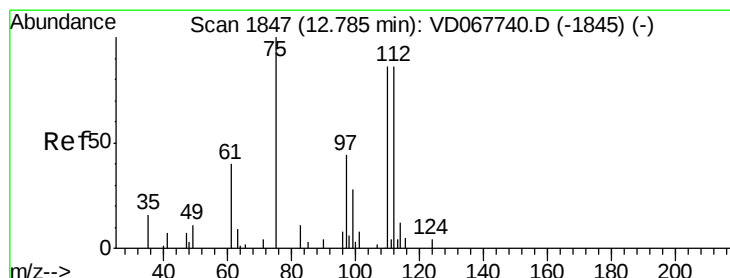
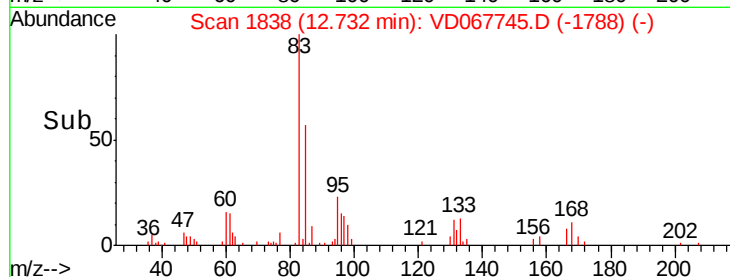
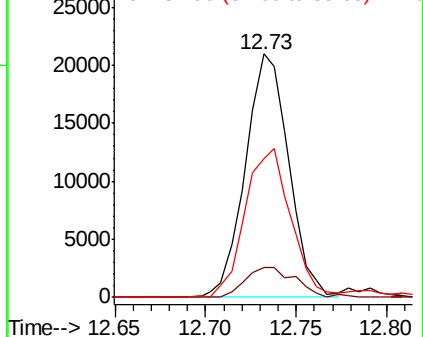
85 64.2 33.9 101.7



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: 37.310 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067745.D

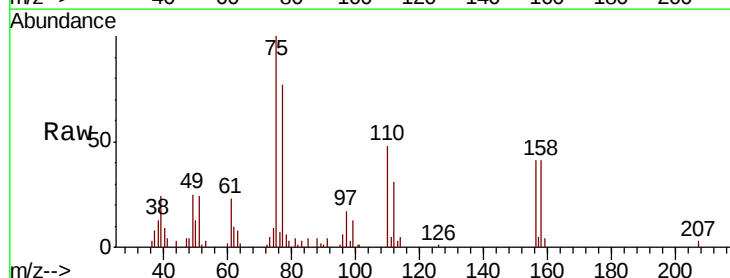
Acq: 23 Nov 2020 14:59

Tgt Ion: 75 Resp: 49451

Ion Ratio Lower Upper

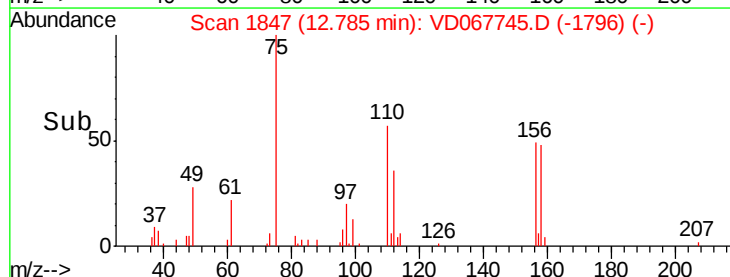
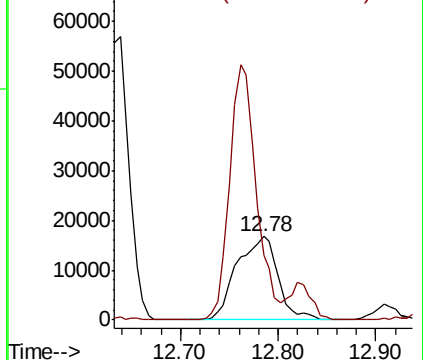
75 100

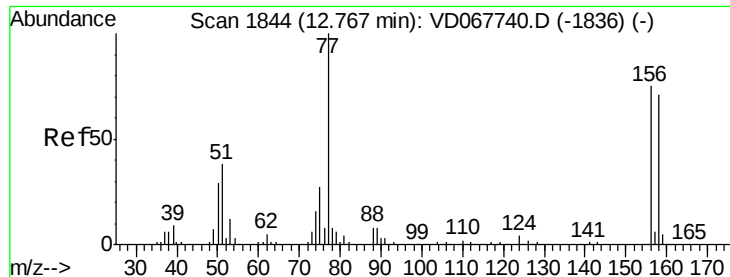
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.833 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

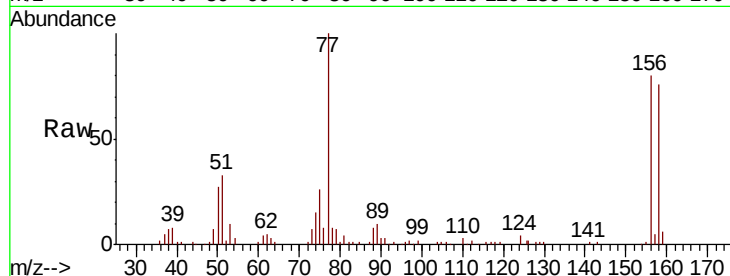
Tot Ion:156 Resp: 65255

Ion Ratio Lower Upper

156 100

77 150.3 73.5 220.3

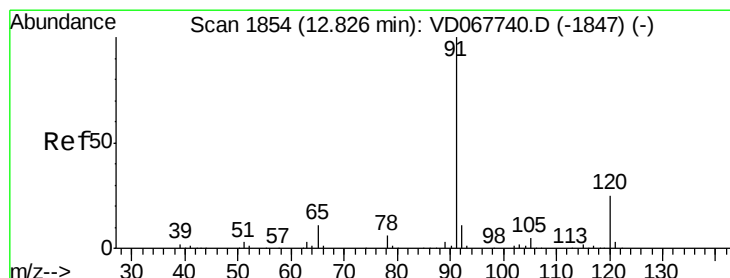
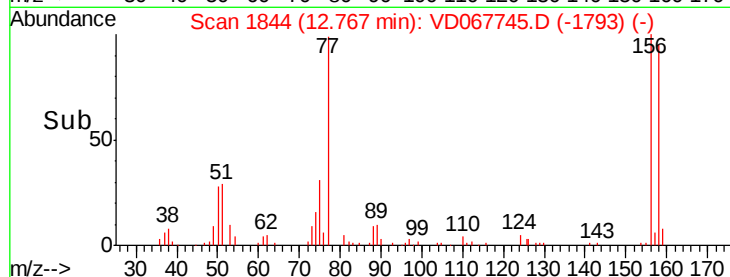
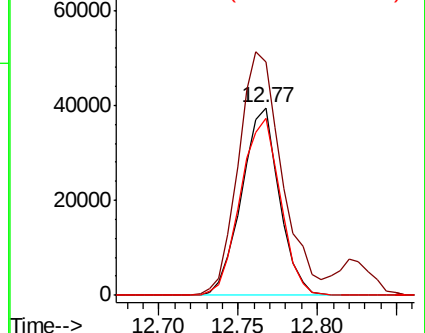
158 99.4 48.1 144.4



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: 21.356 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067745.D

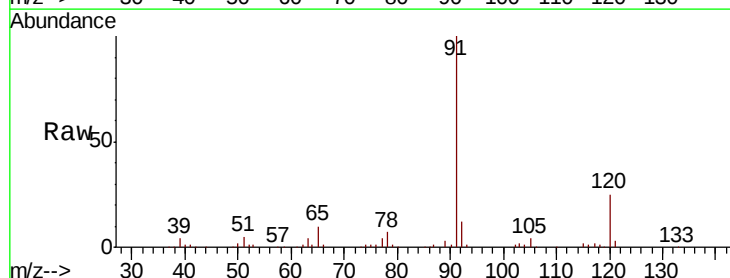
Acq: 23 Nov 2020 14:59

Tgt Ion: 91 Resp: 297301

Ion Ratio Lower Upper

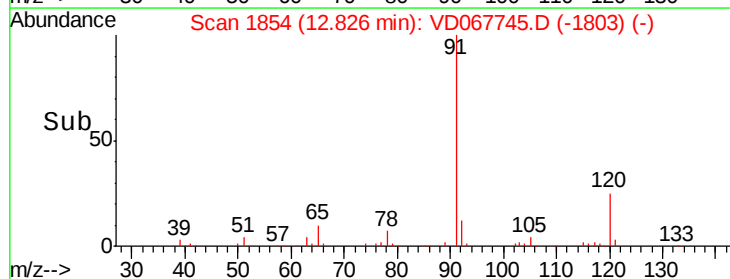
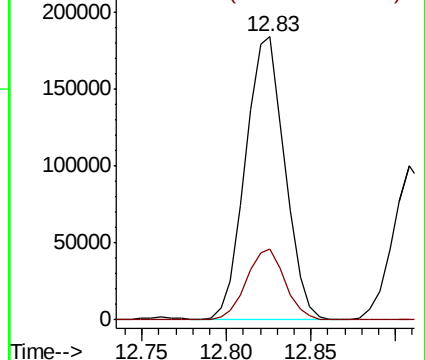
91 100

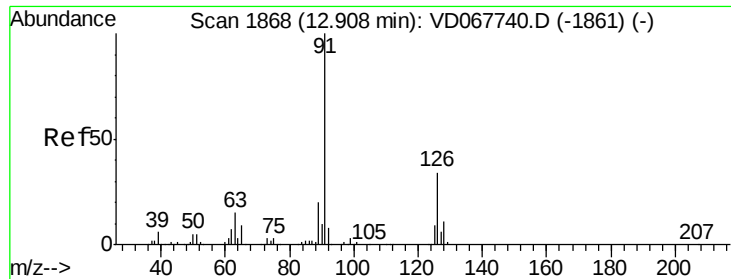
120 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

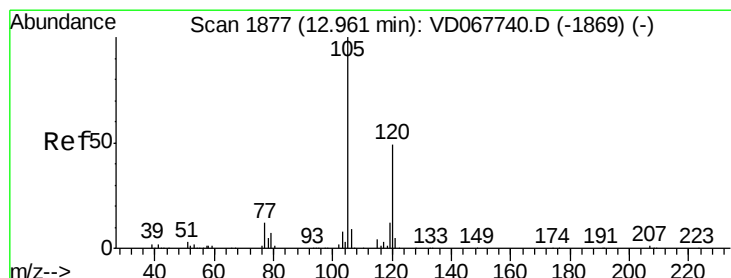
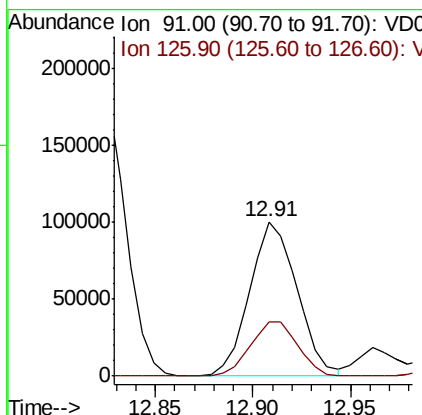
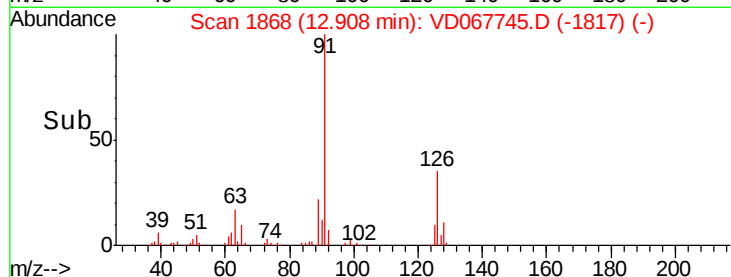
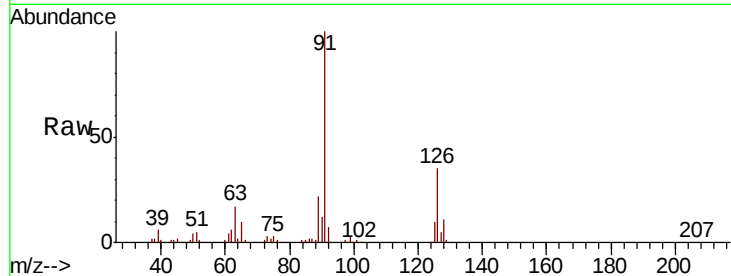




#79
 2-Chlorotoluene
 Concen: 20.430 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

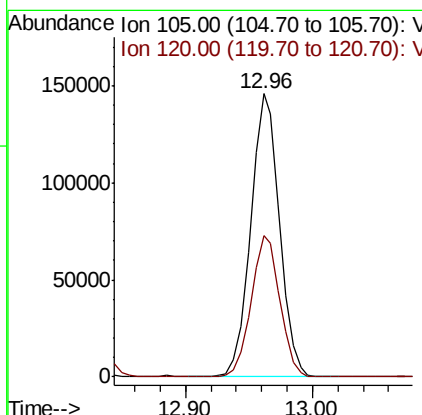
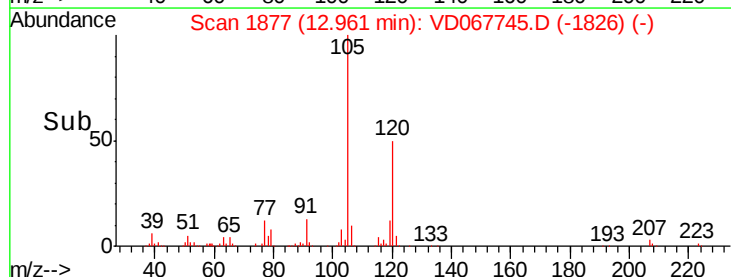
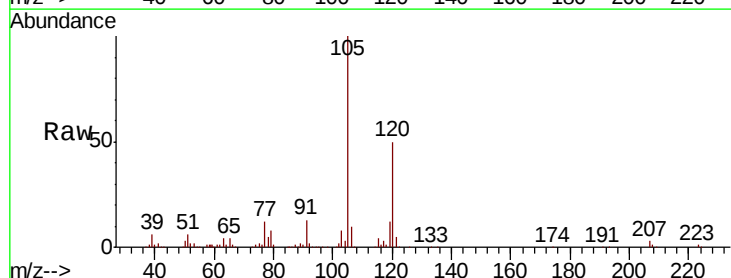
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

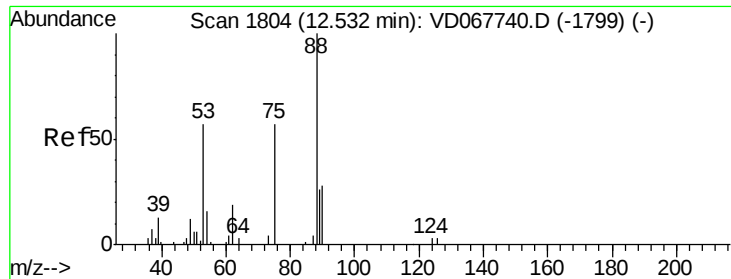
Tot Ion: 91 Resp: 168386
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.102 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion: 105 Resp: 229660
 Ion Ratio Lower Upper
 105 100
 120 49.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.565 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

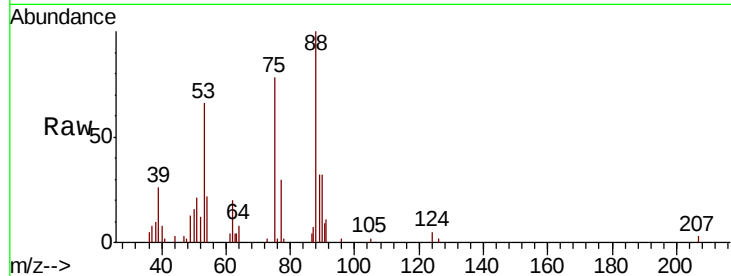
Tot Ion: 75 Resp: 11654

Ion Ratio Lower Upper

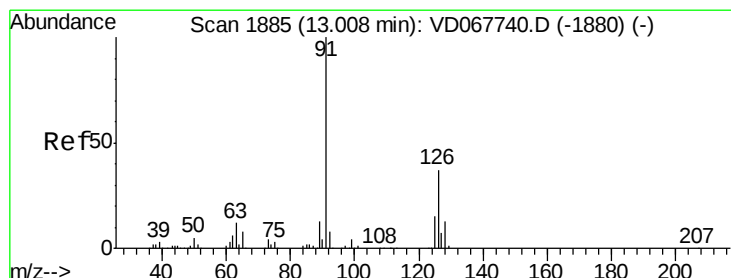
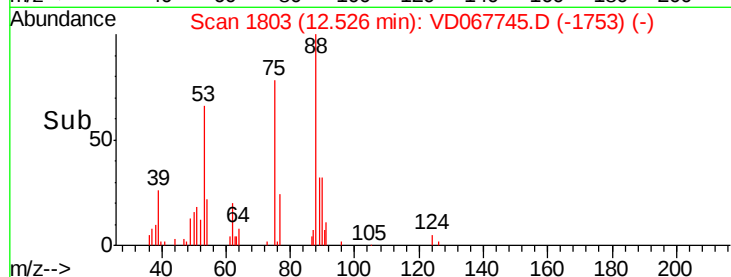
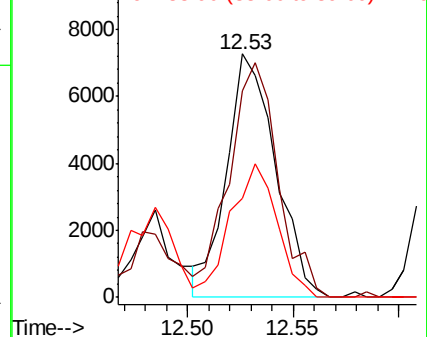
75 100

53 96.9 76.0 114.0

89 52.5 40.2 60.4



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



#82

4-Chlorotoluene

Concen: 20.893 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067745.D

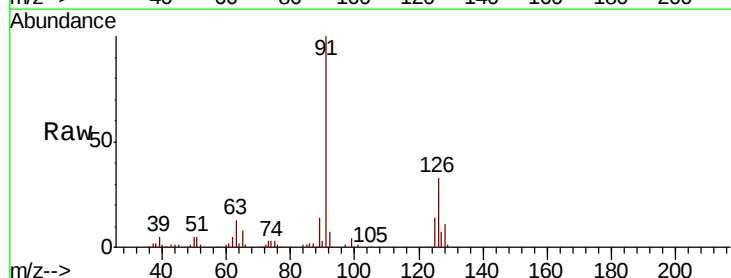
Acq: 23 Nov 2020 14:59

Tgt Ion: 91 Resp: 183485

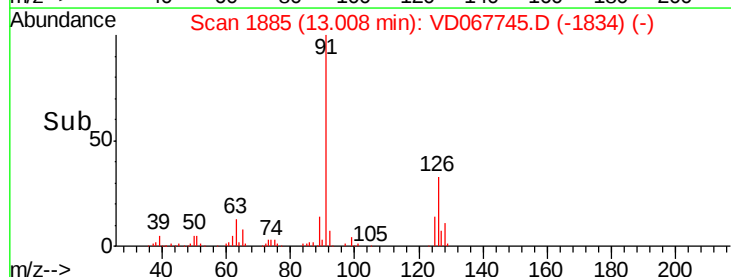
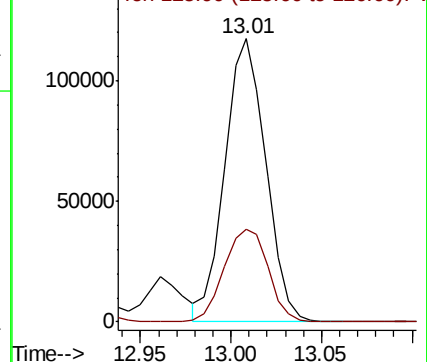
Ion Ratio Lower Upper

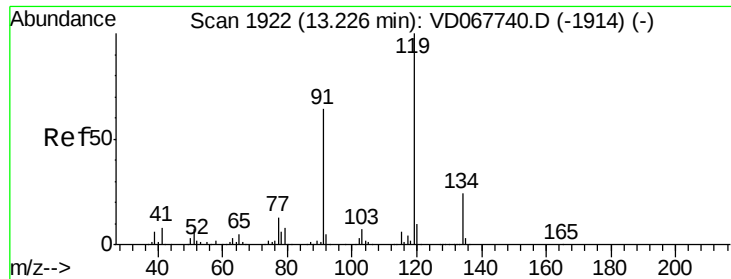
91 100

126 35.5 17.7 53.1



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

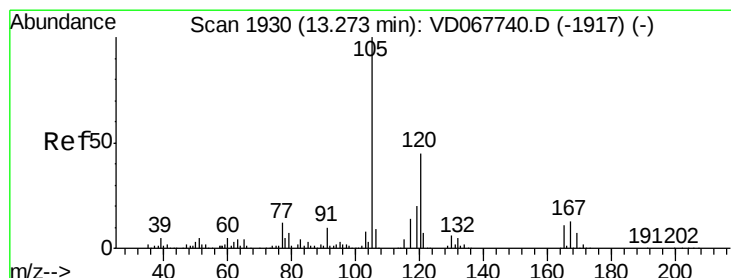
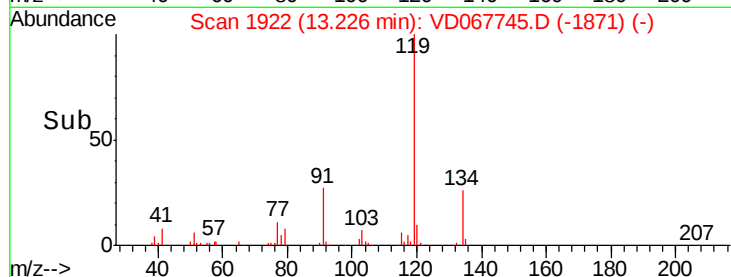
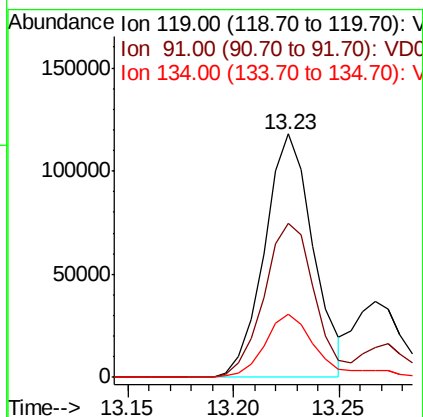
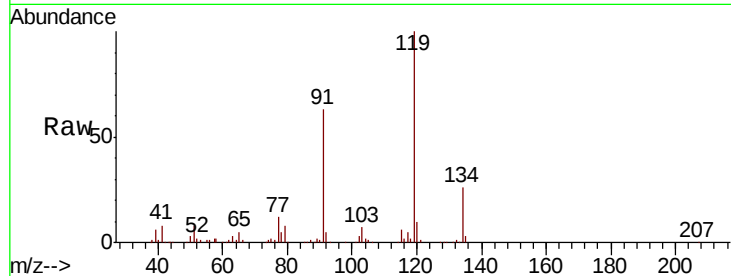




#83
tert-Butylbenzene
Concen: 20.199 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

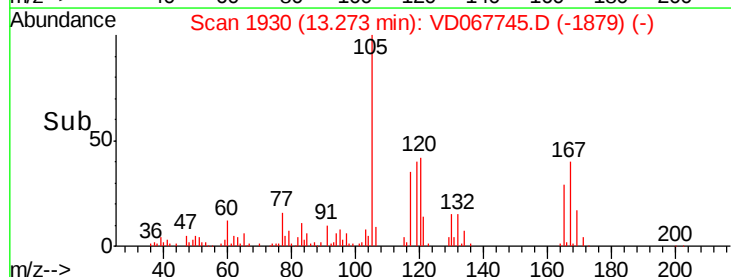
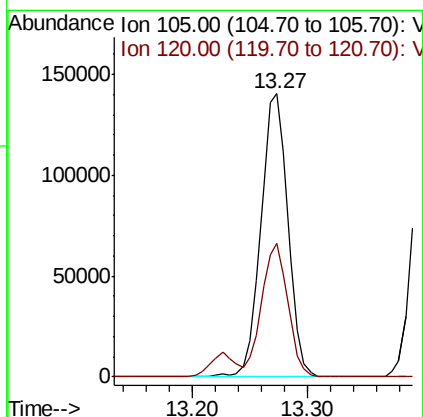
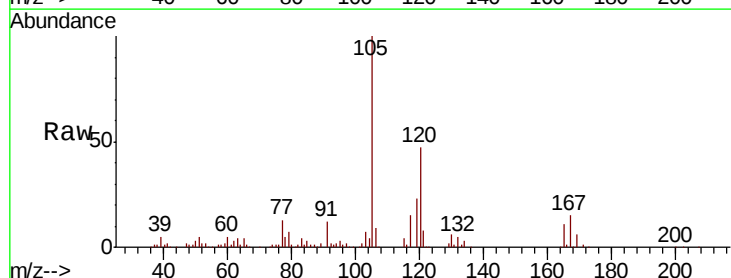
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

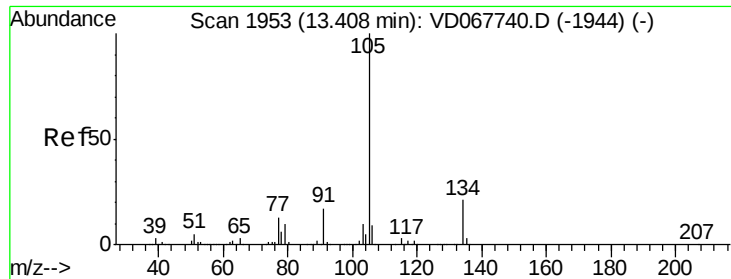
Tot Ion:119 Resp: 188901
Ion Ratio Lower Upper
119 100
91 66.3 32.9 98.7
134 28.4 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 21.124 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion:105 Resp: 229652
Ion Ratio Lower Upper
105 100
120 45.8 22.6 67.7

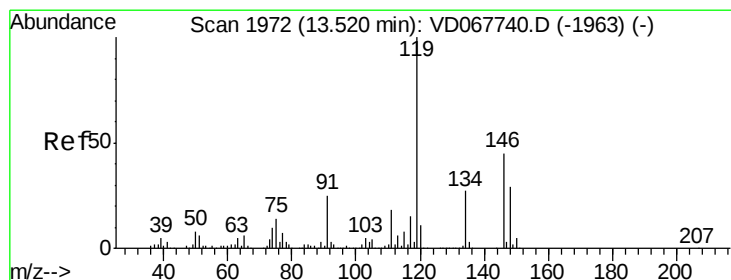
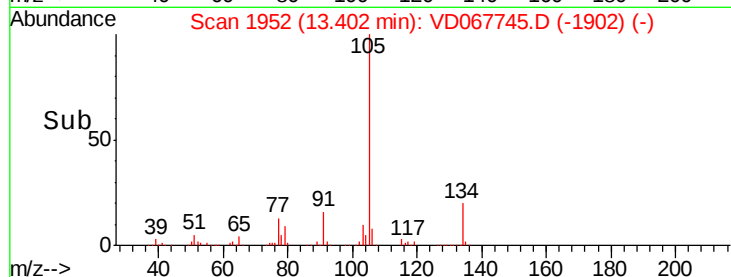
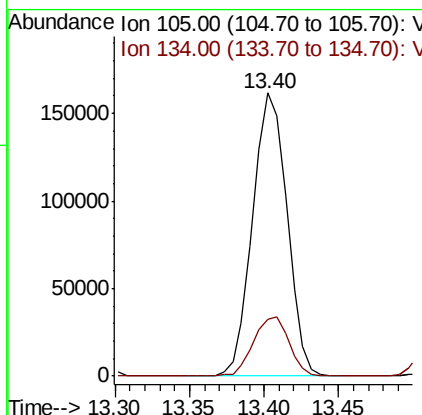
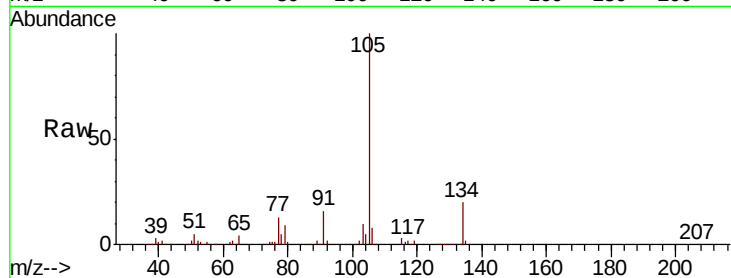




#85
 sec-Butylbenzene
 Concen: 20.982 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

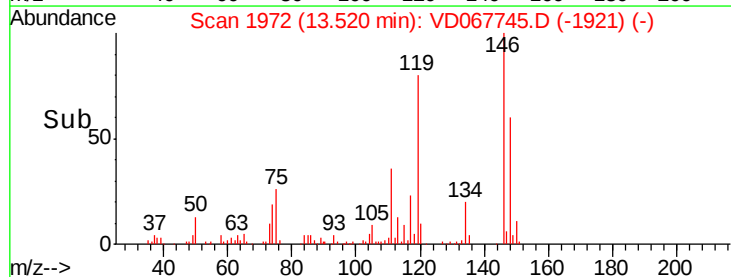
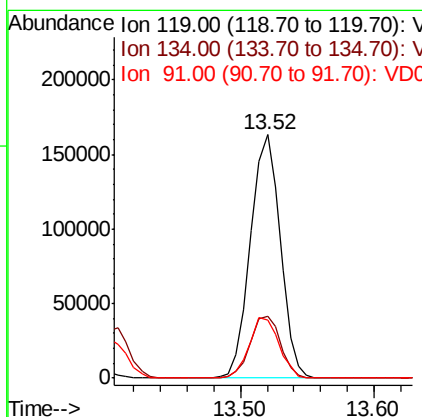
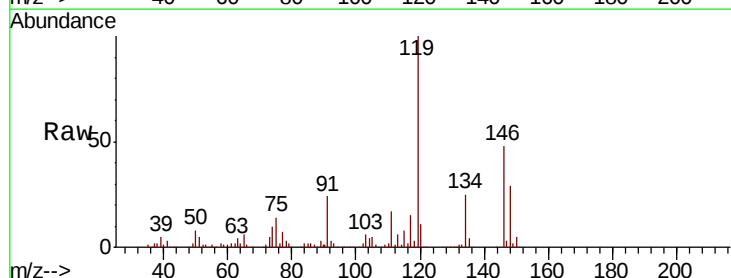
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

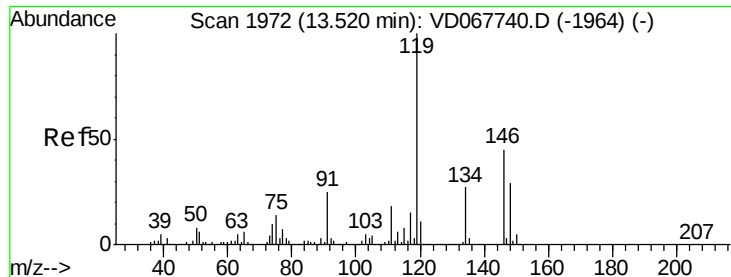
Tot Ion:105 Resp: 257777
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 21.093 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion:119 Resp: 251000
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 25.0 12.7 38.1

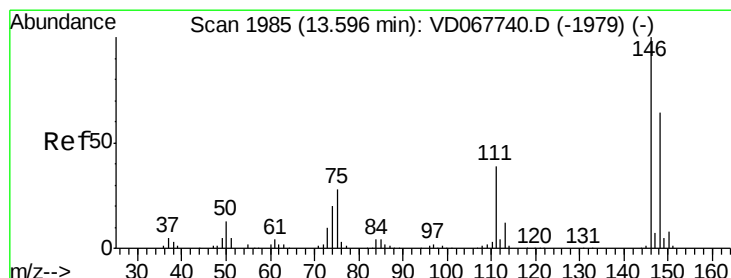
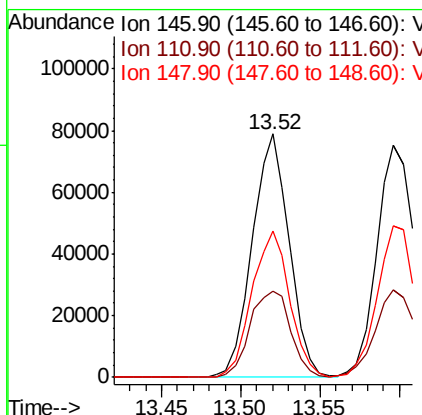
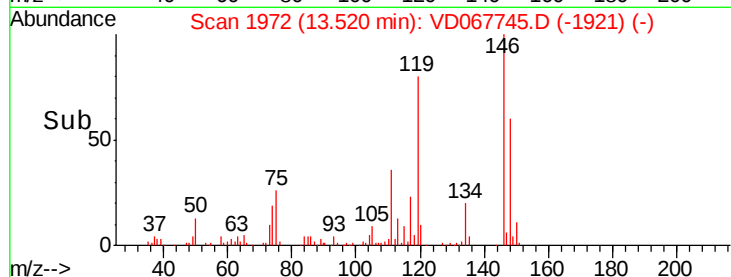
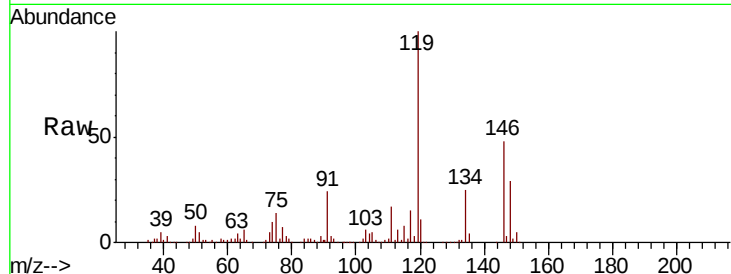




#87
 1,3-Dichlorobenzene
 Concen: 21.101 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

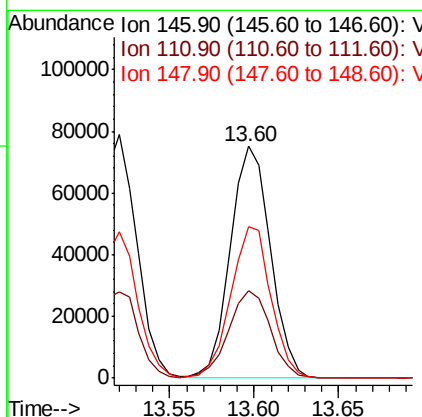
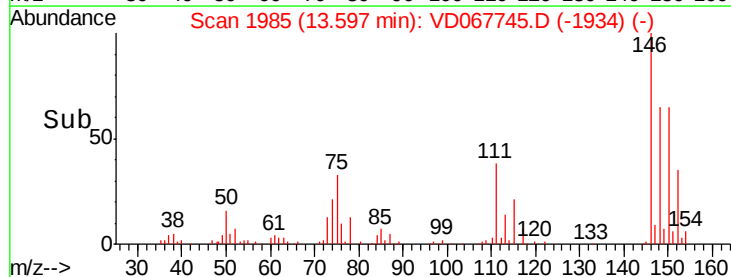
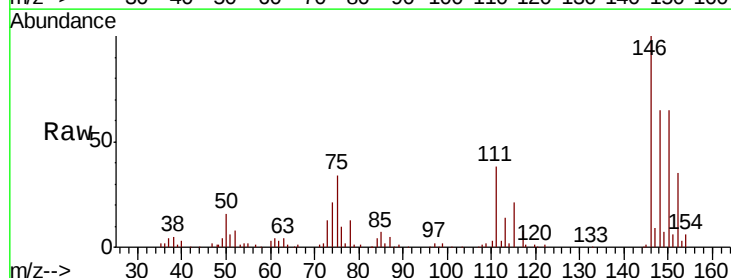
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

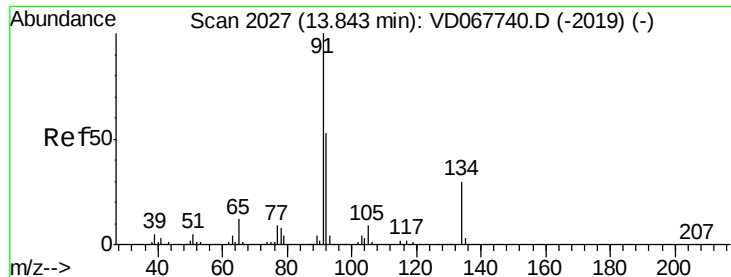
Tot Ion:146 Resp: 127911
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.2 60.6
 148 61.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.627 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion:146 Resp: 123866
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.4
 148 65.5 31.6 94.8

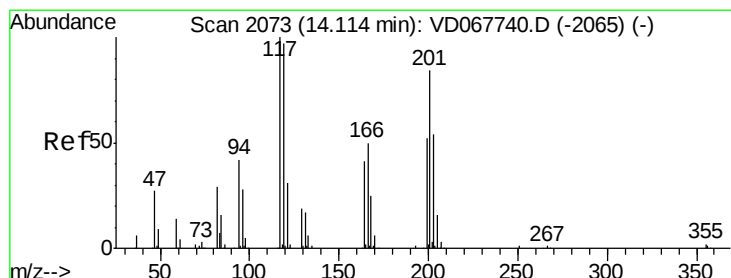
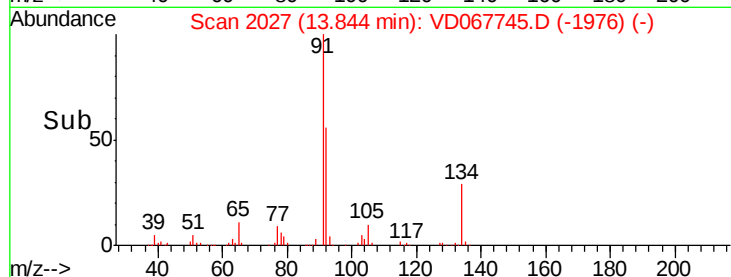
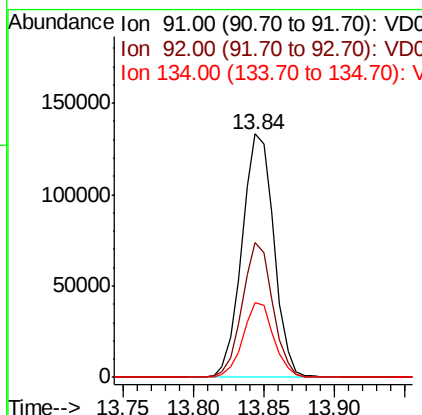
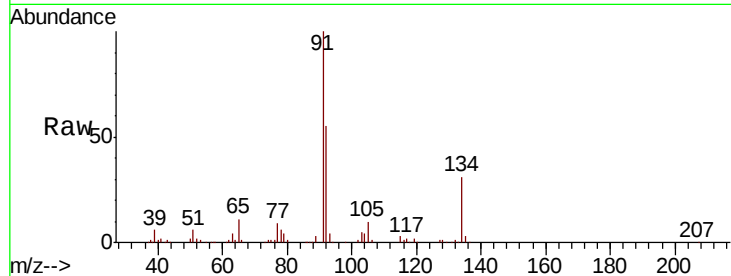




#89
n-Butylbenzene
Concen: 20.660 ug/l
RT: 13.84 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

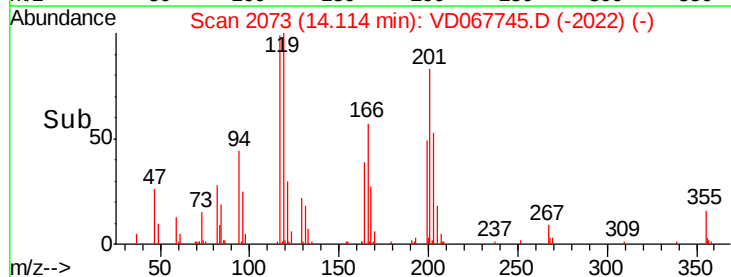
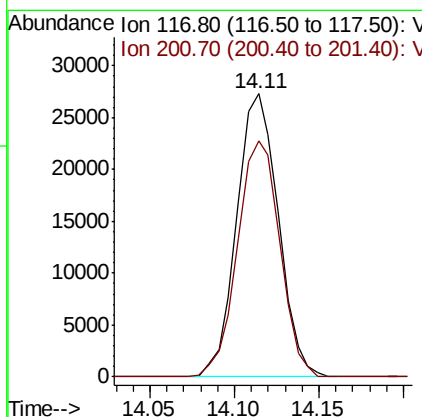
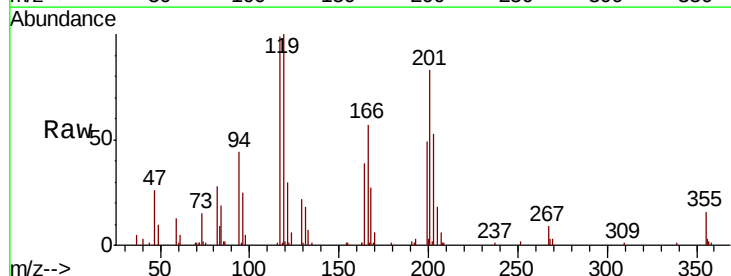
Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

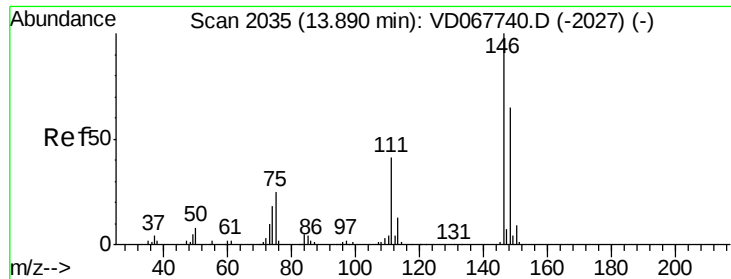
Tot Ion: 91 Resp: 210675
Ion Ratio Lower Upper
91 100
92 52.9 26.6 79.7
134 29.8 14.8 44.3



#90
Hexachloroethane
Concen: 20.655 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 117 Resp: 46790
Ion Ratio Lower Upper
117 100
201 84.8 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 20.796 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

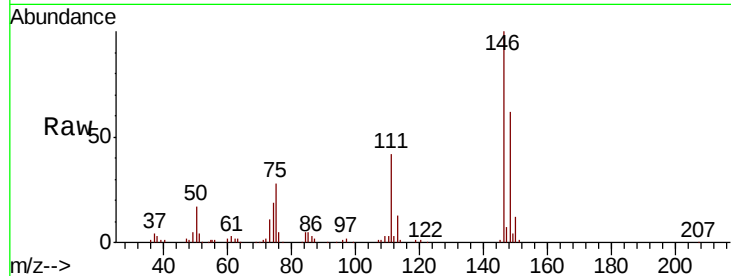
Tot Ion:146 Resp: 108599

Ion Ratio Lower Upper

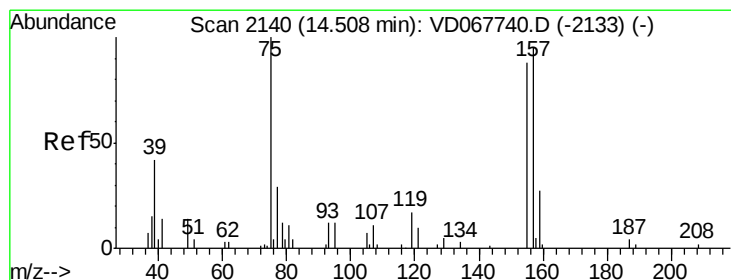
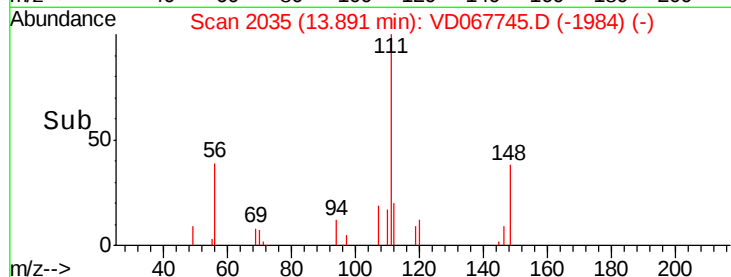
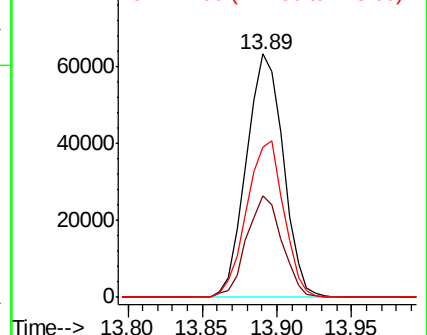
146 100

111 40.1 20.8 62.5

148 64.4 32.4 97.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.711 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

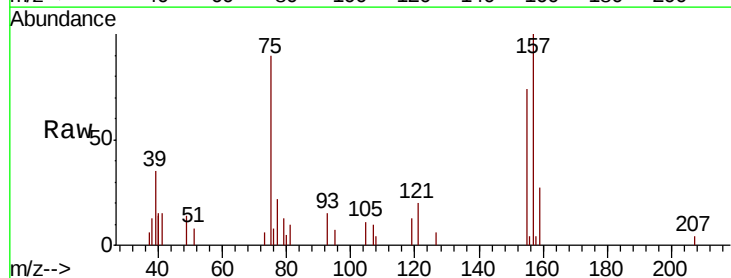
Tgt Ion: 75 Resp: 6412

Ion Ratio Lower Upper

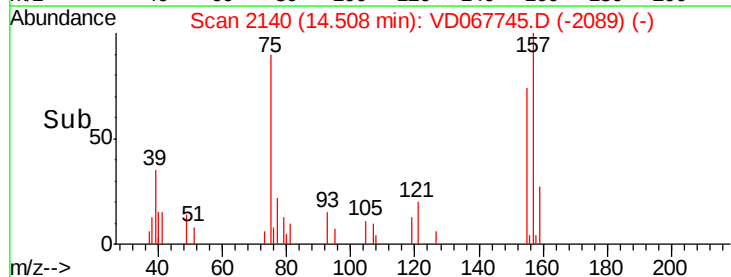
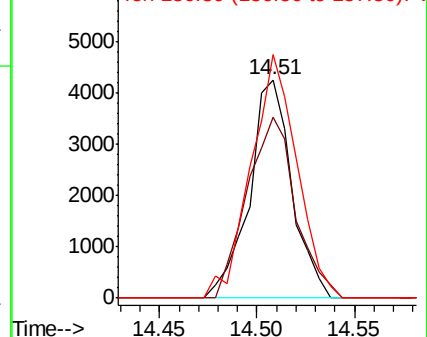
75 100

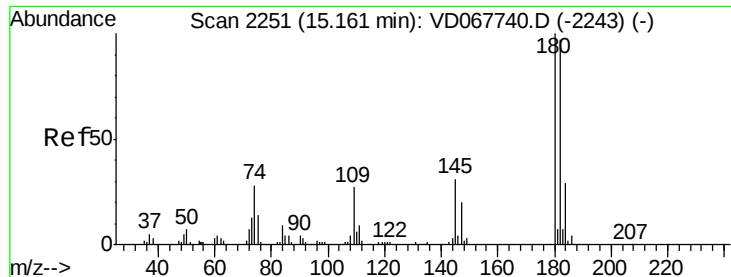
155 95.1 41.0 123.0

157 120.8 51.1 153.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

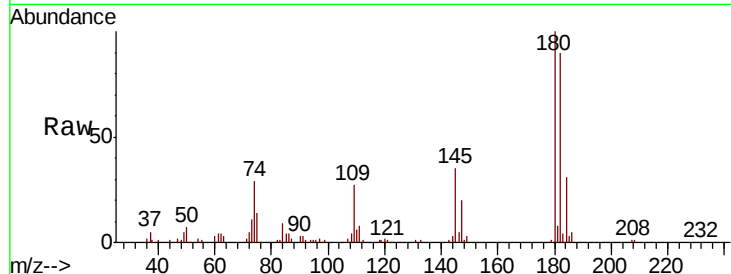




#93
 1,2,4-Trichlorobenzene
 Concen: 20.375 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	33.3	16.1	48.3

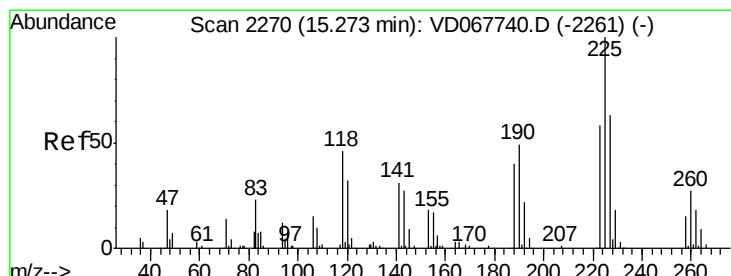
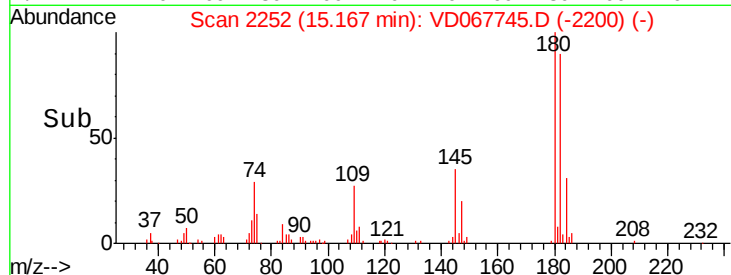
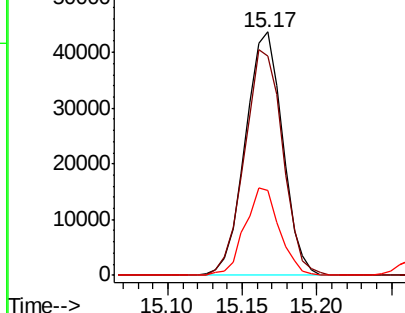


Abundance

Ion 179.80 (179.50 to 180.50): V

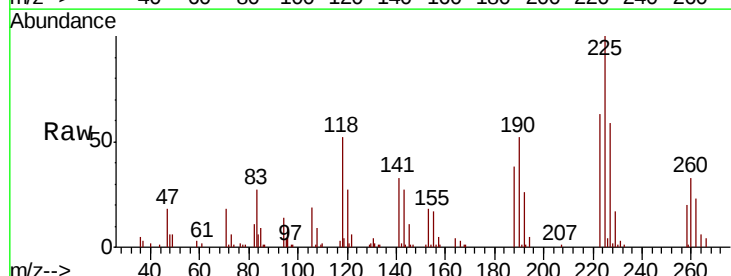
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.122 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.5	94.5
227	66.7	32.9	98.7

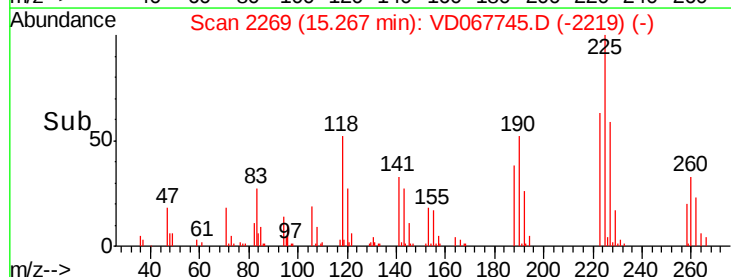
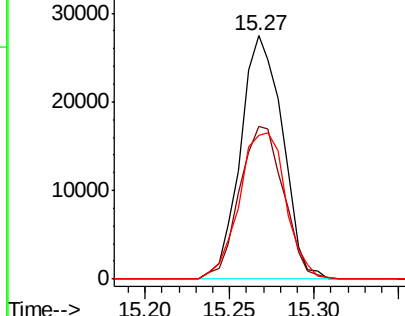


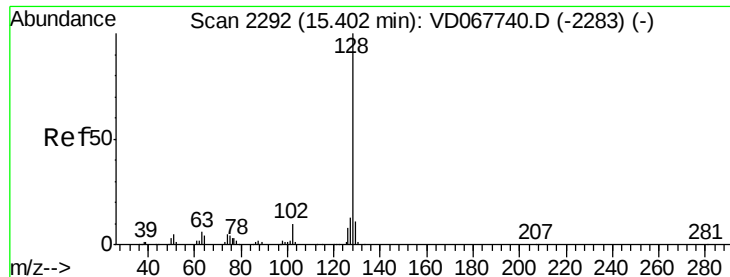
Abundance

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: 19.987 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

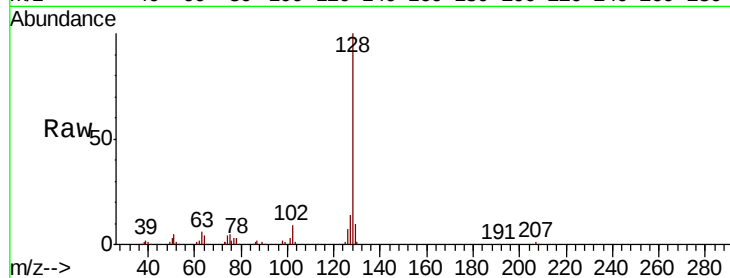
Tot Ion:128 Resp: 119605

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

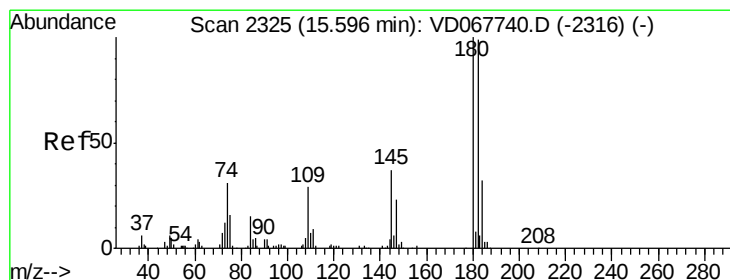
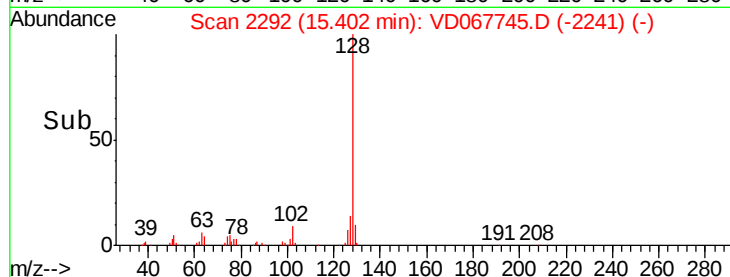
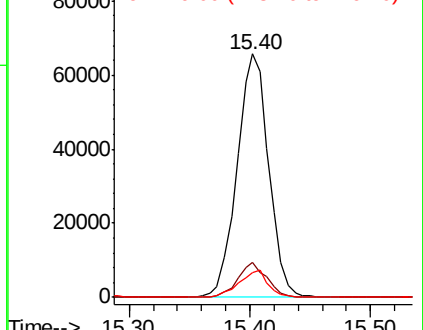
129 10.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.607 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

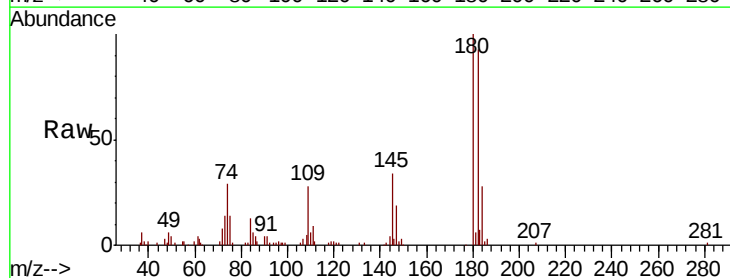
Tgt Ion:180 Resp: 64901

Ion Ratio Lower Upper

180 100

182 92.7 48.0 144.0

145 33.8 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

