

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067374.D
 Acq On : 23 Oct 2020 11:36
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Quant Time: Oct 24 07:18:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	313198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	154385	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.92	113	163589	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.34	98	570783	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.64	95	199386	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52331	18.019	ug/l	85
3) Chloromethane	2.21	50	38449	19.506	ug/l	95
4) Vinyl Chloride	2.35	62	42911	19.841	ug/l	94
5) Bromomethane	2.76	94	33612	20.970	ug/l	91
6) Chloroethane	2.92	64	26021	19.319	ug/l	92
7) Trichlorofluoromethane	3.27	101	111035	20.389	ug/l	99
8) Diethyl Ether	3.71	74	24838	19.931	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59323	20.503	ug/l	99
10) Methyl Iodide	4.30	142	53272	19.959	ug/l	95
11) Tert butyl alcohol	5.20	59	8446	7.553	ug/l #	70
12) 1,1-Dichloroethene	4.07	96	51980	20.109	ug/l	91
13) Acrolein	3.93	56	9243	66.681	ug/l	94
14) Allyl chloride	4.72	41	56787	19.184	ug/l	99
15) Acrylonitrile	5.43	53	45280	108.895	ug/l	98
16) Acetone	4.16	43	45849	104.334	ug/l	93
17) Carbon Disulfide	4.41	76	142040	19.275	ug/l	100
18) Methyl Acetate	4.72	43	21002	20.953	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	107515	20.918	ug/l	100
20) Methylene Chloride	4.97	84	62147	19.324	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	59686	20.065	ug/l #	84
22) Diisopropyl ether	6.36	45	118564	21.926	ug/l	98
23) Vinyl Acetate	6.30	43	324198	105.380	ug/l	97
24) 1,1-Dichloroethane	6.27	63	95484	20.628	ug/l	97
25) 2-Butanone	7.21	43	52492	104.790	ug/l	98
26) 2,2-Dichloropropane	7.21	77	99420	20.838	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	65407	20.063	ug/l	97
28) Bromochloromethane	7.55	49	30366	19.233	ug/l #	96
29) Tetrahydrofuran	7.57	42	29667	106.542	ug/l	98
30) Chloroform	7.71	83	114764	20.754	ug/l	92
31) Cyclohexane	7.98	56	72380	20.027	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	113121	20.850	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82832	21.338	ug/l	98
37) Ethyl Acetate	7.30	43	23281	20.384	ug/l #	95
38) Carbon Tetrachloride	8.10	117	105992	21.364	ug/l	98

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Quant Time: Oct 24 07:18:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82825	20.409	ug/l	99
40) Benzene	8.36	78	232182	21.802	ug/l	100
41) Methacrylonitrile	7.56	41	34182	55.384	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	75382	22.619	ug/l	99
43) Isopropyl Acetate	8.46	43	49864	22.003	ug/l	98
44) Trichloroethene	9.11	130	74841	21.950	ug/l	88
45) 1,2-Dichloropropane	9.39	63	53245	21.574	ug/l	99
46) Dibromomethane	9.48	93	32948	21.426	ug/l	96
47) Bromodichloromethane	9.67	83	90044	21.856	ug/l	97
48) Methyl methacrylate	9.46	41	22586	20.508	ug/l	98
49) 1,4-Dioxane	9.47	88	6198	398.224	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	124329	109.994	ug/l	98
52) Toluene	10.41	92	157657	21.736	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	78865	21.791	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	92461	21.830	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	45680	21.784	ug/l	91
56) Ethyl methacrylate	10.66	69	47676	21.923	ug/l	99
57) 1,3-Dichloropropane	10.95	76	72900	21.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	122181	109.517	ug/l	99
59) 2-Hexanone	10.99	43	84959	109.995	ug/l	98
60) Dibromochloromethane	11.14	129	68399	22.367	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45720	22.116	ug/l	99
64) Tetrachloroethene	10.88	164	68946	21.903	ug/l	91
65) Chlorobenzene	11.67	112	177850	21.348	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	71656	21.641	ug/l	99
67) Ethyl Benzene	11.75	91	301684	21.125	ug/l	98
68) m/p-Xylenes	11.86	106	236147	42.941	ug/l	98
69) o-Xylene	12.18	106	108585	21.323	ug/l	94
70) Styrene	12.20	104	188976	21.557	ug/l	99
71) Bromoform	12.37	173	38106	21.422	ug/l #	93
73) Isopropylbenzene	12.48	105	301173	21.837	ug/l	99
74) N-amyl acetate	12.29	43	44577	21.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	45624	21.590	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	63472	42.142	ug/l #	100
77) Bromobenzene	12.76	156	75544	21.970	ug/l	99
78) n-propylbenzene	12.83	91	345266	21.607	ug/l	99
79) 2-Chlorotoluene	12.91	91	199391	21.516	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	260258	21.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14580	21.952	ug/l	96
82) 4-Chlorotoluene	13.01	91	217017	22.065	ug/l	99
83) tert-Butylbenzene	13.23	119	223266	22.053	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	264102	22.295	ug/l	99
85) sec-Butylbenzene	13.41	105	304453	21.916	ug/l	100
86) p-Isopropyltoluene	13.52	119	289445	22.075	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	144684	21.861	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	143825	21.934	ug/l	98
89) n-Butylbenzene	13.85	91	246805	21.396	ug/l	98
90) Hexachloroethane	14.11	117	49466	21.619	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	126327	21.850	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8714	22.698	ug/l	93

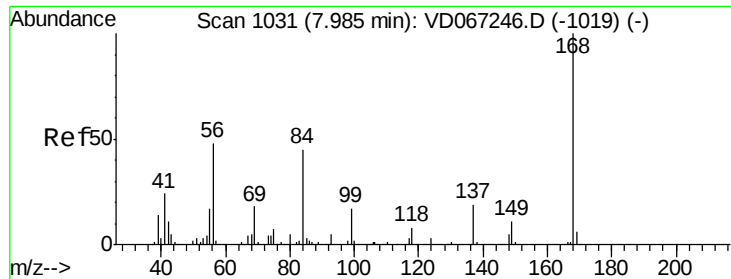
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
Data File : VD067374.D
Acq On : 23 Oct 2020 11:36
Operator : VA/SY
Sample : VD1023SBSD01
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MSVOA_D
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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85734	21.994	ug/l	99
94) Hexachlorobutadiene	15.27	225	53340	22.035	ug/l	98
95) Naphthalene	15.41	128	138976	21.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75679	22.472	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

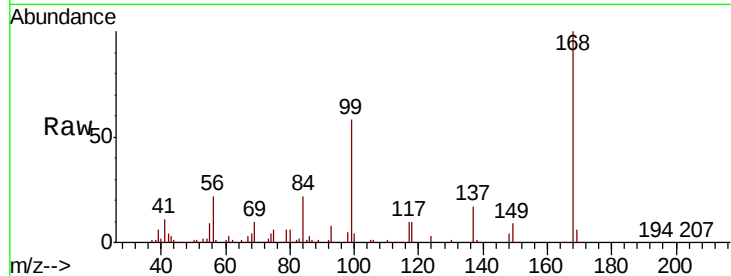
VD1023SBSD01

Tot Ion:168 Resp: 313198

Ion Ratio Lower Upper

168 100

99 57.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

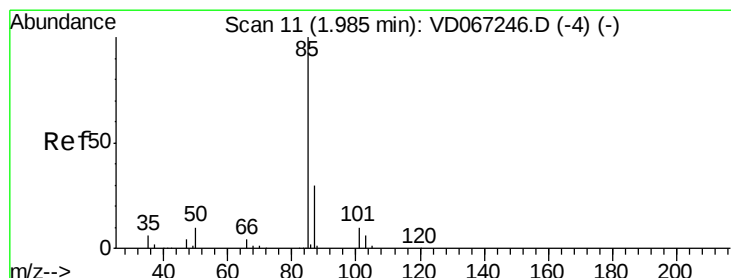
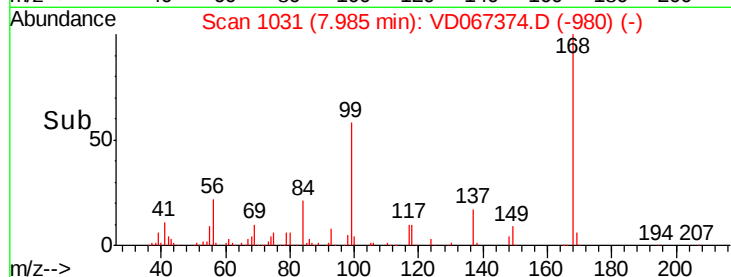
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.019 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067374.D

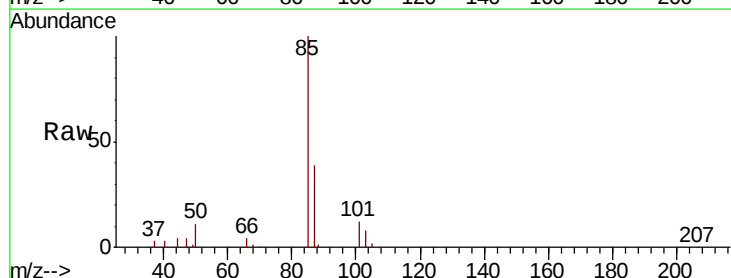
Acq: 23 Oct 2020 11:36

Tgt Ion: 85 Resp: 52331

Ion Ratio Lower Upper

85 100

87 38.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

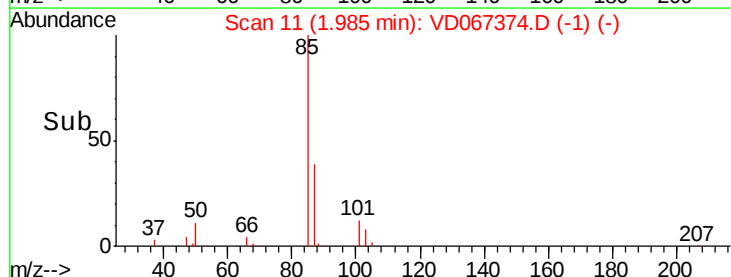
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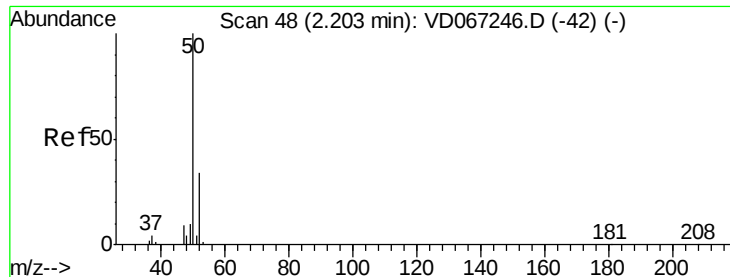
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.506 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

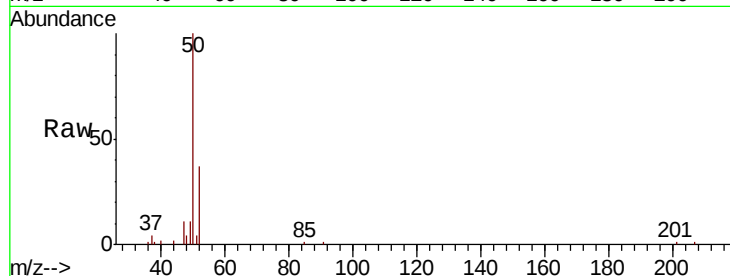
VD1023SBSD01

Tot Ion: 50 Resp: 38449

Ion Ratio Lower Upper

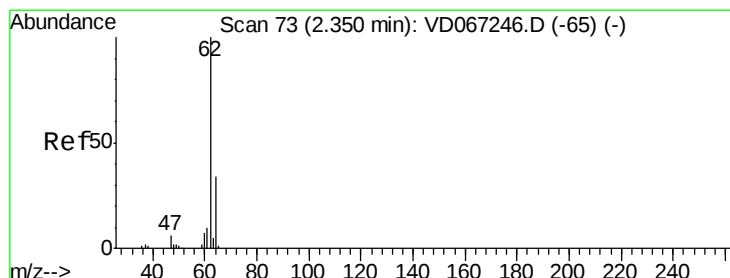
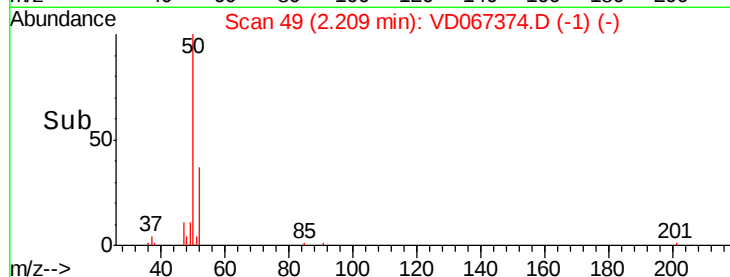
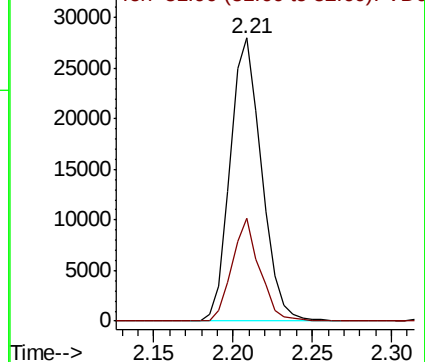
50 100

52 36.6 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.841 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067374.D

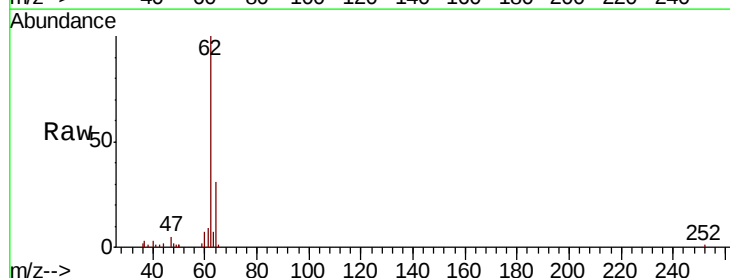
Acq: 23 Oct 2020 11:36

Tgt Ion: 62 Resp: 42911

Ion Ratio Lower Upper

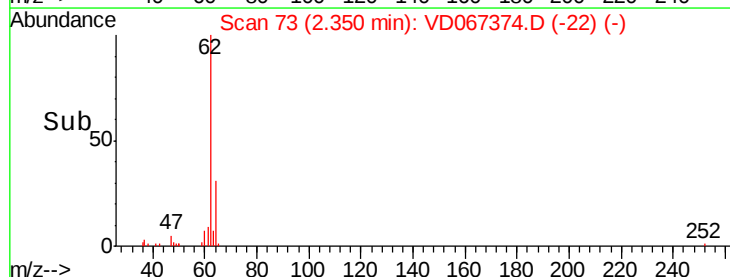
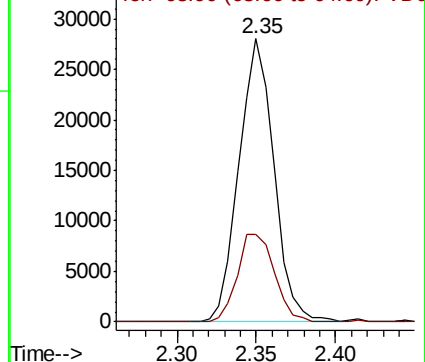
62 100

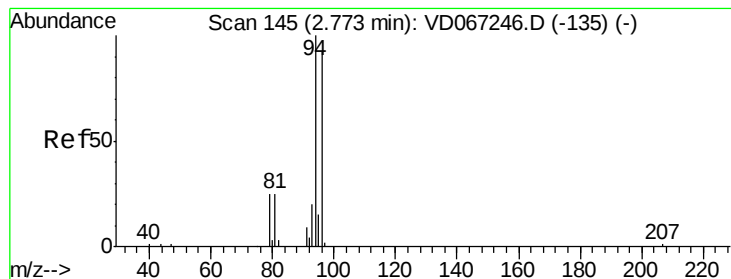
64 30.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.970 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

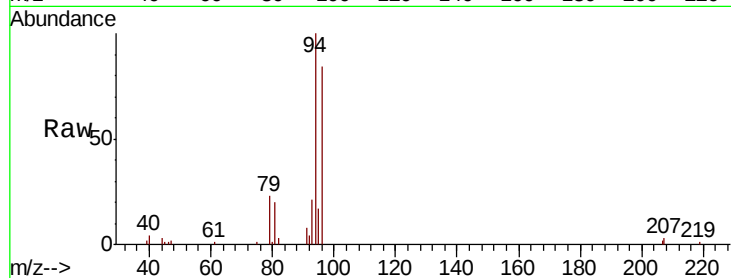
VD1023SBSD01

Tot Ion: 94 Resp: 33612

Ion Ratio Lower Upper

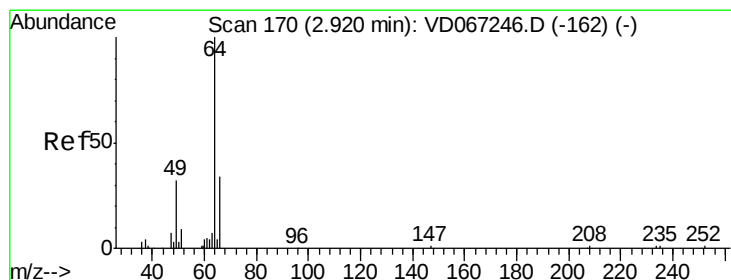
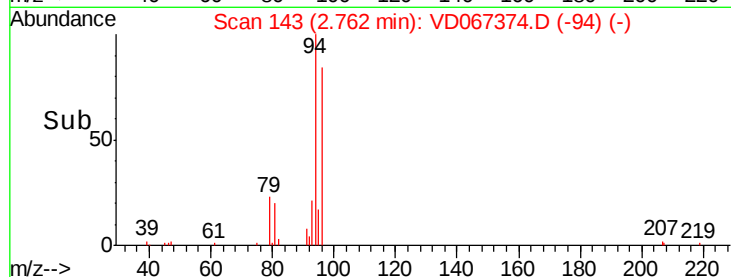
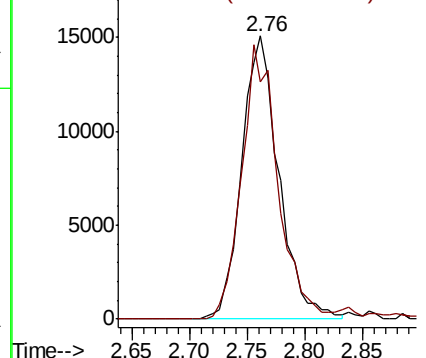
94 100

96 84.0 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.319 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067374.D

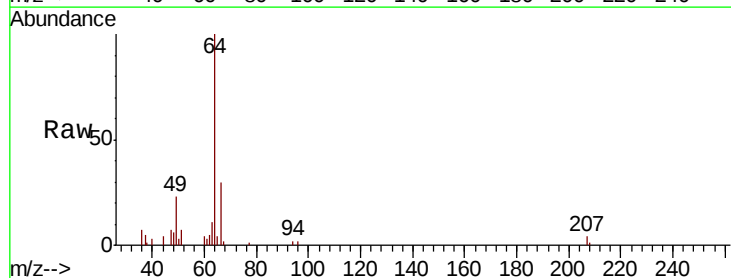
Acq: 23 Oct 2020 11:36

Tgt Ion: 64 Resp: 26021

Ion Ratio Lower Upper

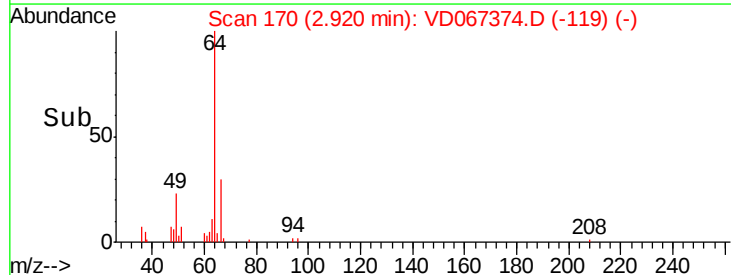
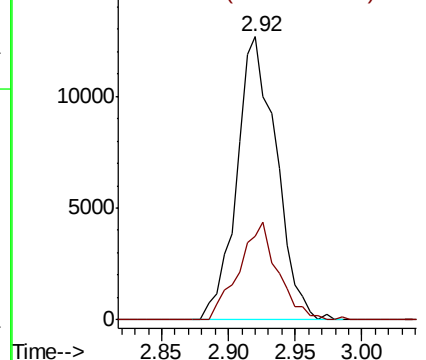
64 100

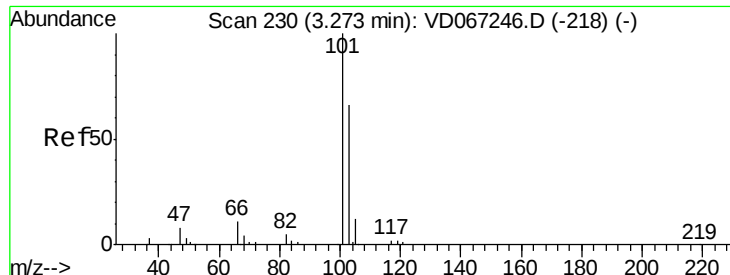
66 29.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



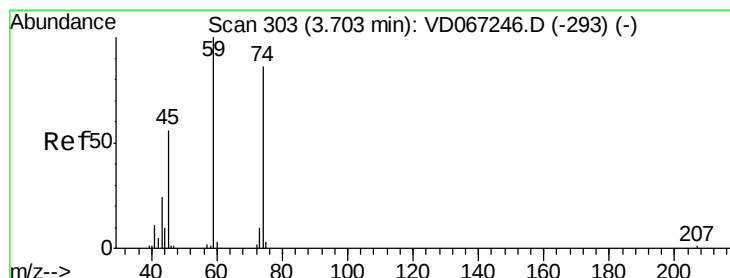
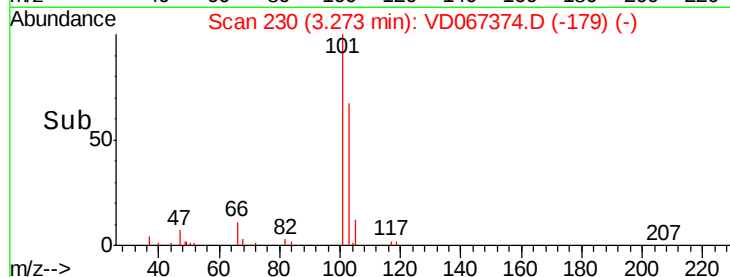
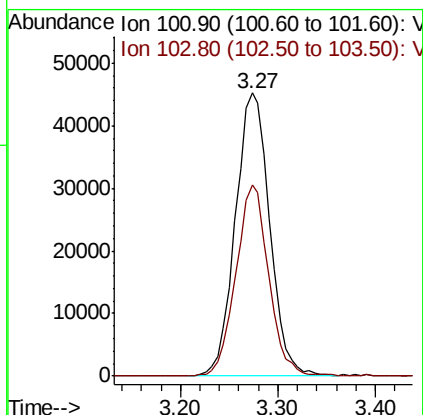
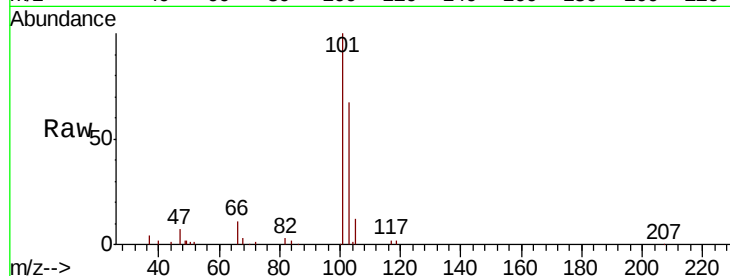


#7

Trichlorofluoromethane
Concen: 20.389 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

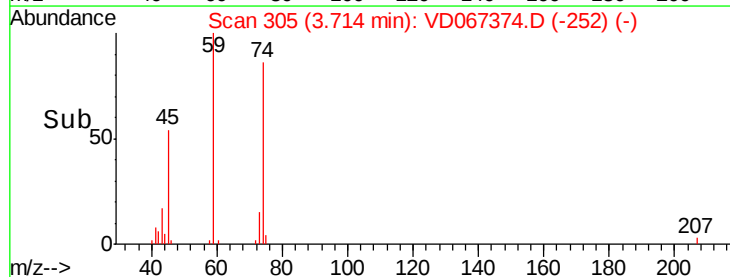
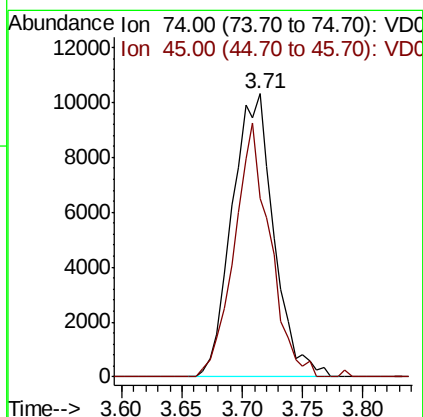
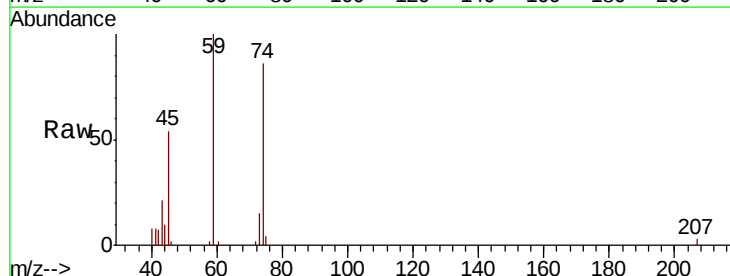
Tot Ion:101 Resp: 111035
Ion Ratio Lower Upper
101 100
103 67.4 53.1 79.7

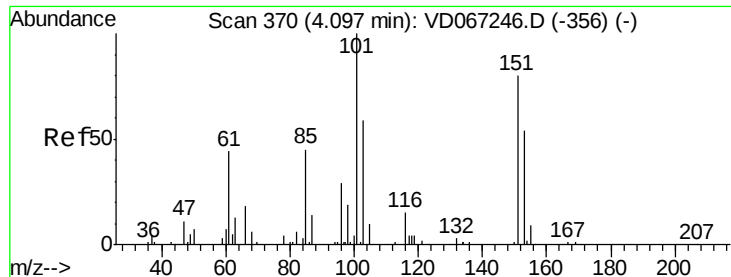


#8

Diethyl Ether
Concen: 19.931 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 74 Resp: 24838
Ion Ratio Lower Upper
74 100
45 76.5 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.503 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

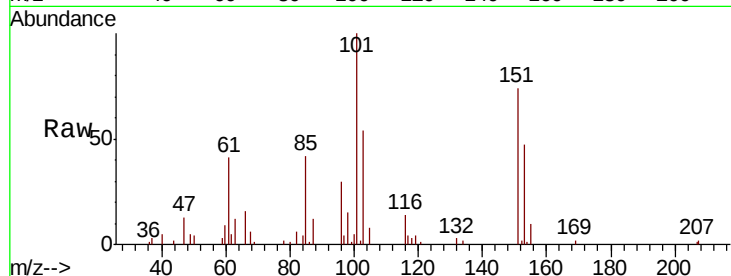
Tot Ion:101 Resp: 59323

Ion Ratio Lower Upper

101 100

85 44.3 34.2 51.4

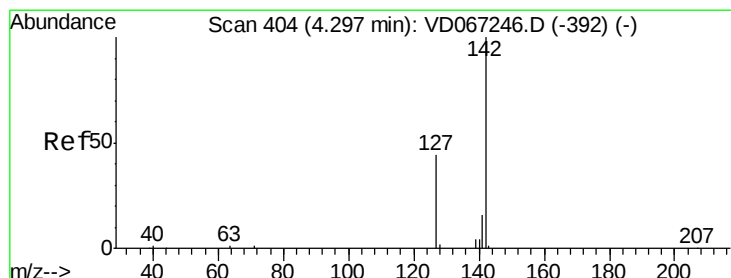
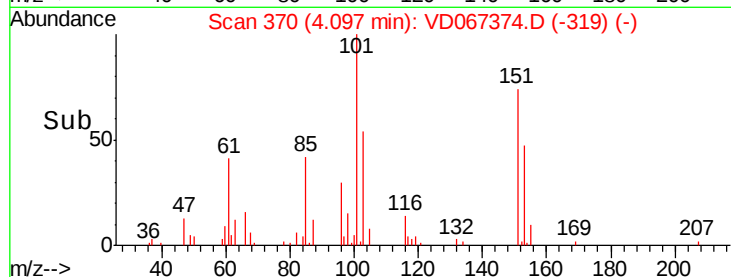
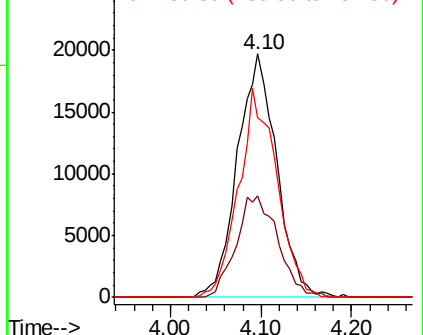
151 83.5 66.3 99.5



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: 19.959 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

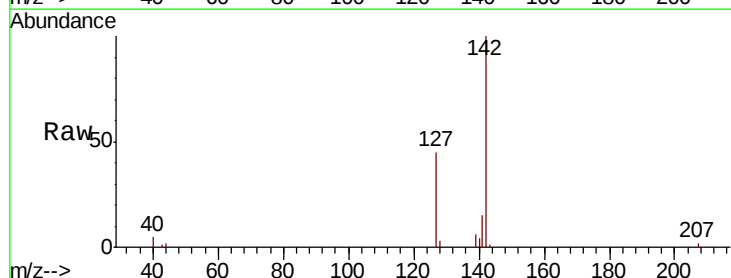
Tgt Ion:142 Resp: 53272

Ion Ratio Lower Upper

142 100

127 51.9 38.4 57.6

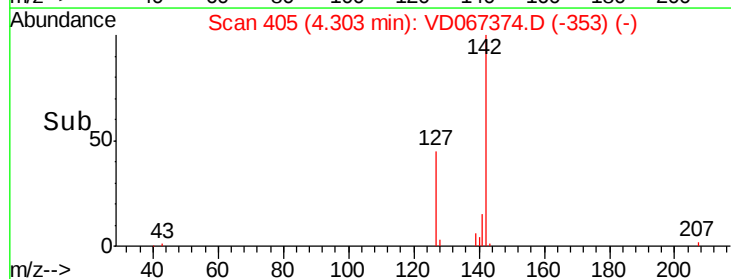
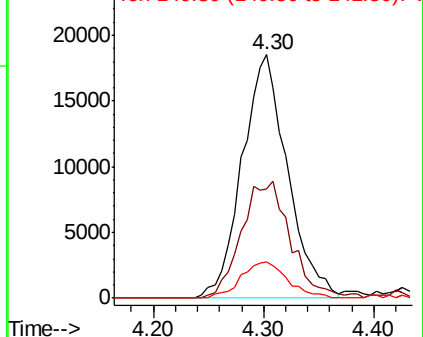
141 15.3 11.6 17.4

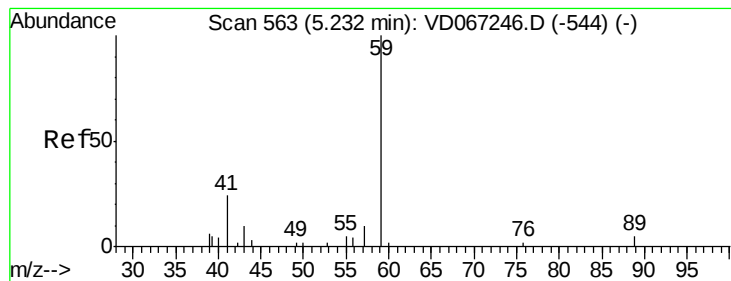


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



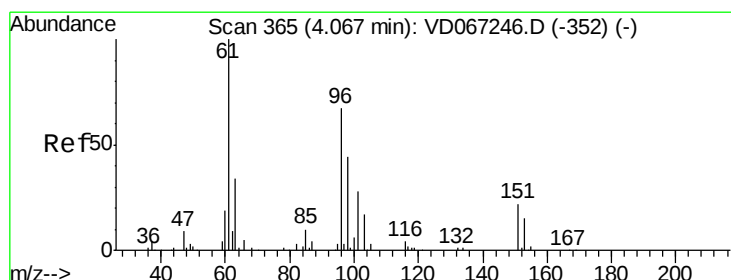
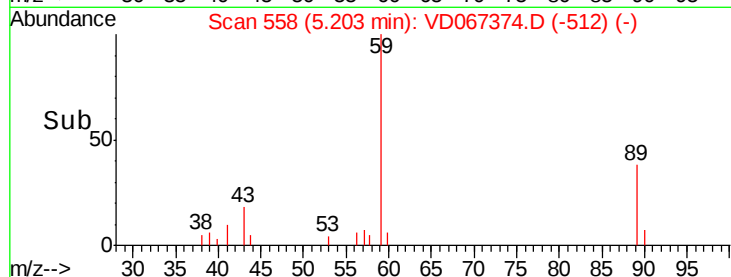
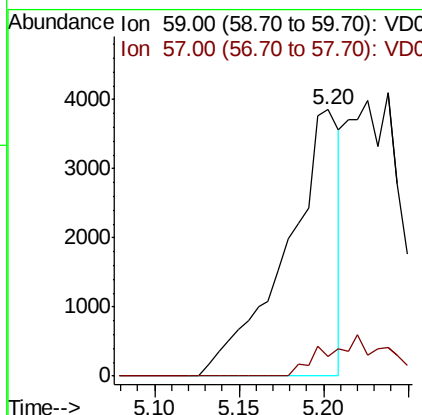
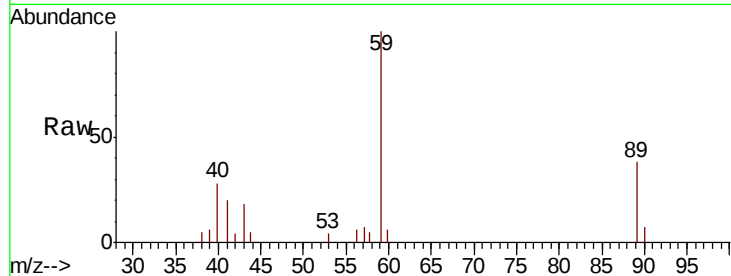


#11

Tert butyl alcohol
 Concen: 7.553 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

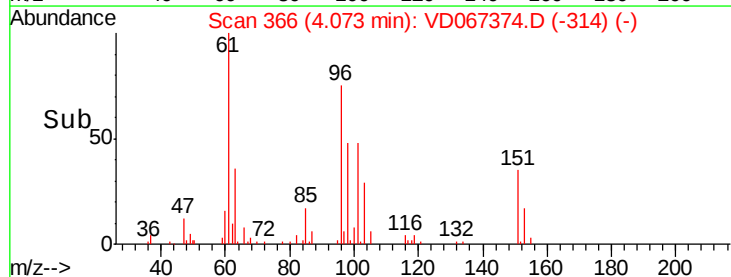
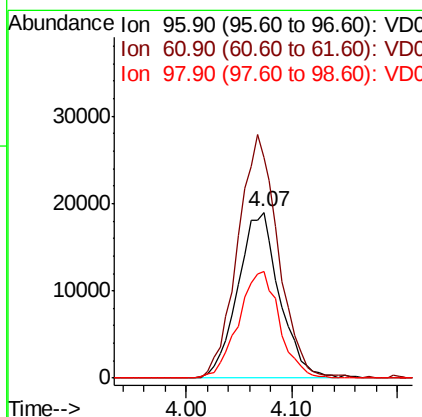
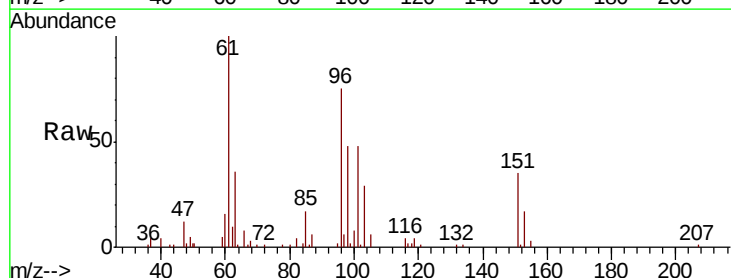
Tot Ion: 59 Resp: 8446
 Ion Ratio Lower Upper
 59 100
 57 16.6 5.1 7.7#

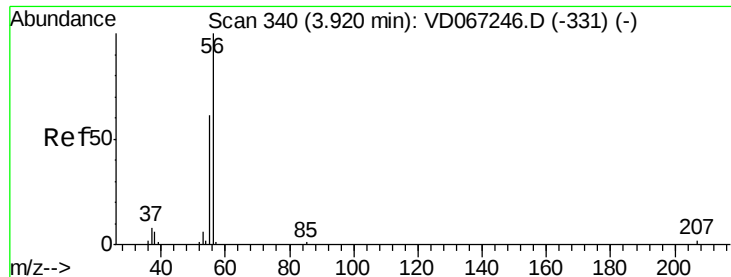


#12

1,1-Dichloroethene
 Concen: 20.109 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion: 96 Resp: 51980
 Ion Ratio Lower Upper
 96 100
 61 132.6 118.6 177.8
 98 64.2 51.8 77.6





#13

Acrolein

Concen: 66.681 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

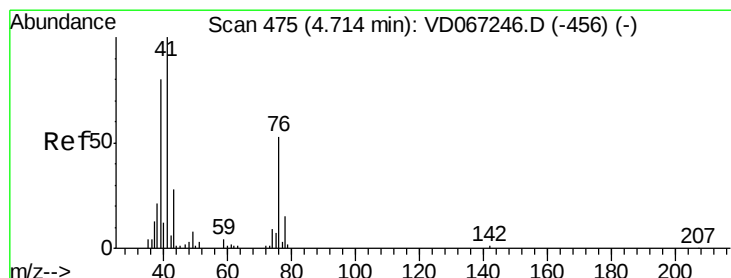
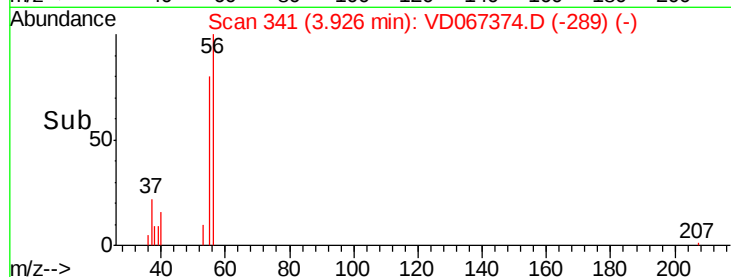
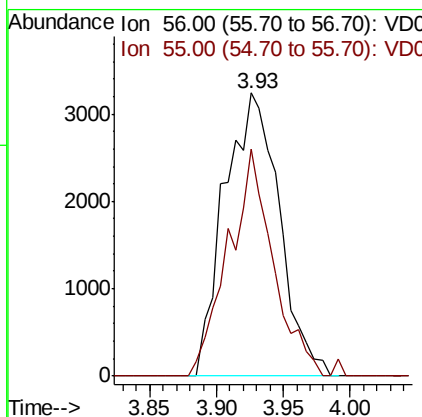
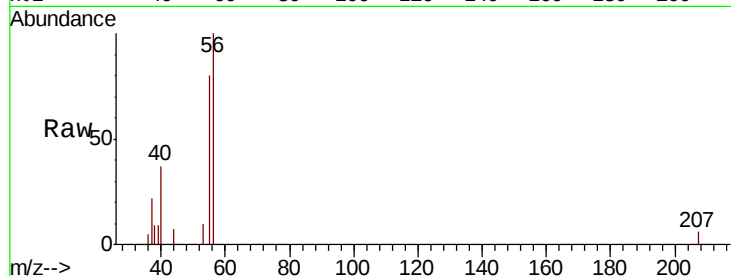
VD1023SBSD01

Tot Ion: 56 Resp: 9243

Ion Ratio Lower Upper

56 100

55 65.5 56.0 84.0



#14

Allyl chloride

Concen: 19.184 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

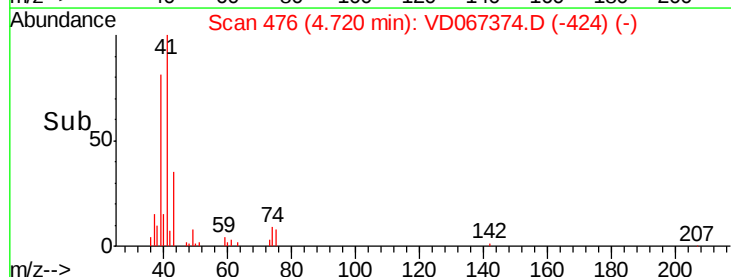
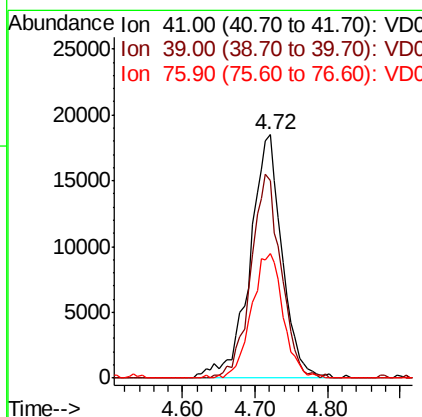
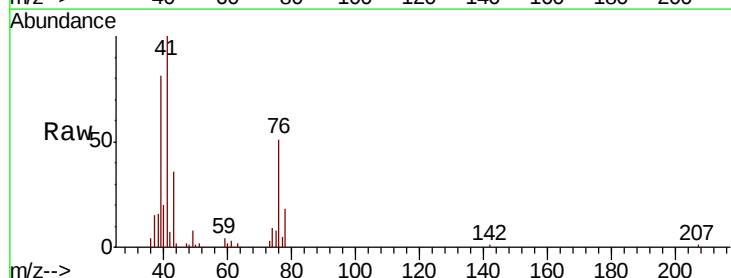
Tgt Ion: 41 Resp: 56787

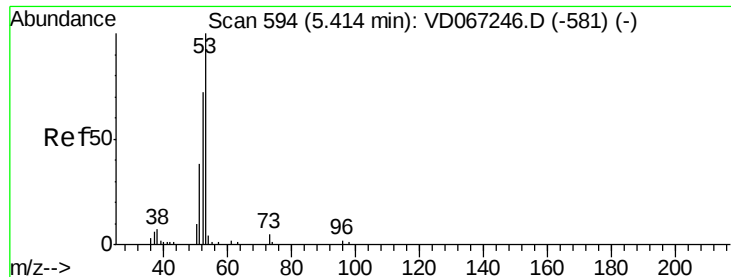
Ion Ratio Lower Upper

41 100

39 78.8 63.8 95.6

76 50.7 40.4 60.6





#15

Acrylonitrile

Concen: 108.895 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

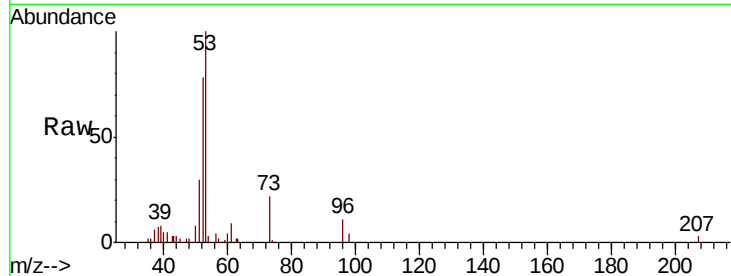
Tot Ion: 53 Resp: 45280

Ion Ratio Lower Upper

53 100

52 80.6 65.6 98.4

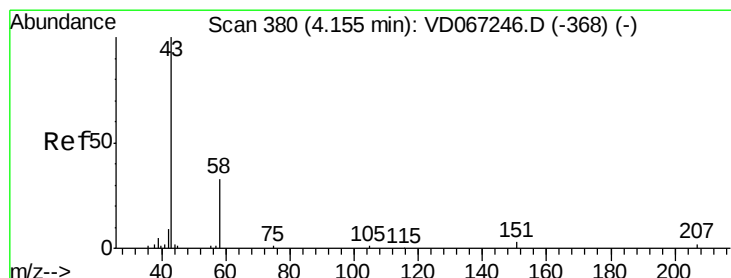
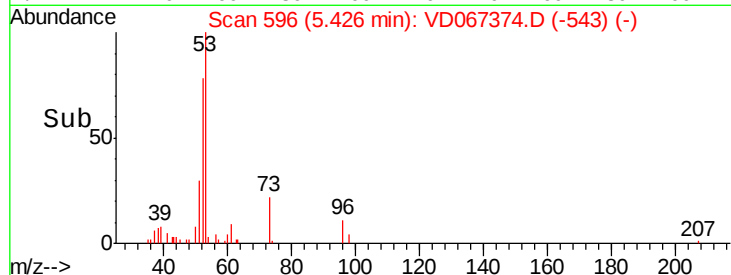
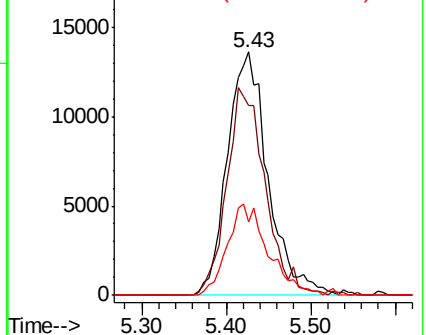
51 37.3 30.8 46.2



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: 104.334 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067374.D

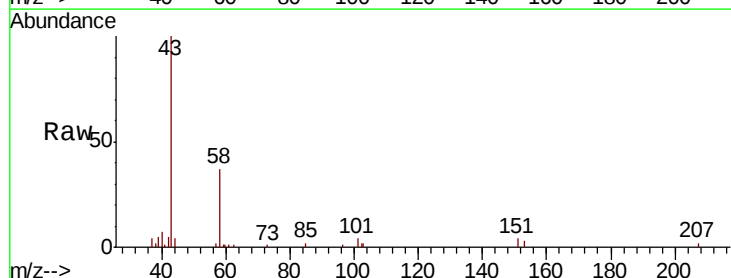
Acq: 23 Oct 2020 11:36

Tgt Ion: 43 Resp: 45849

Ion Ratio Lower Upper

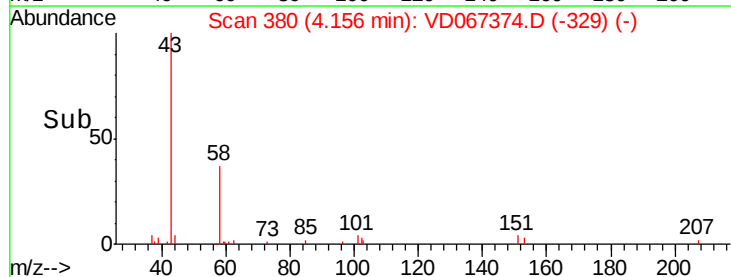
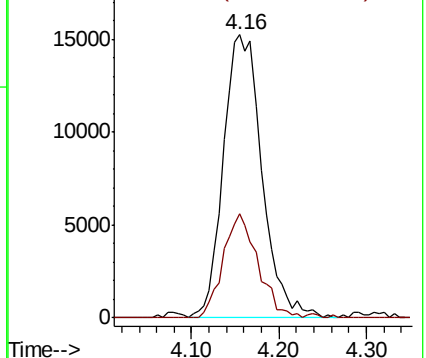
43 100

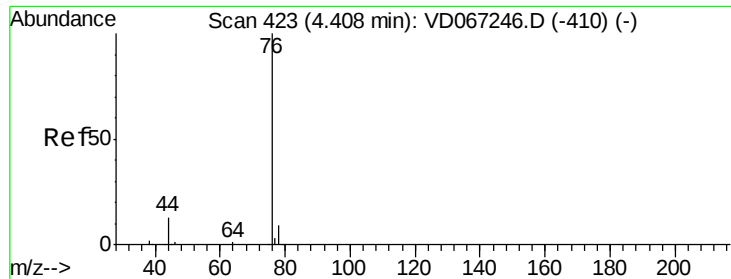
58 36.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

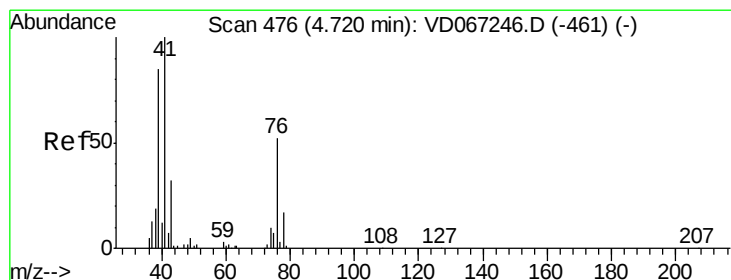
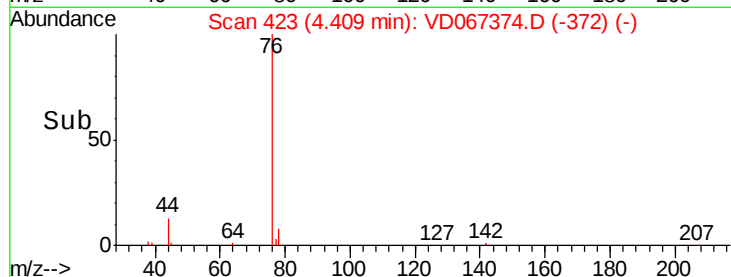
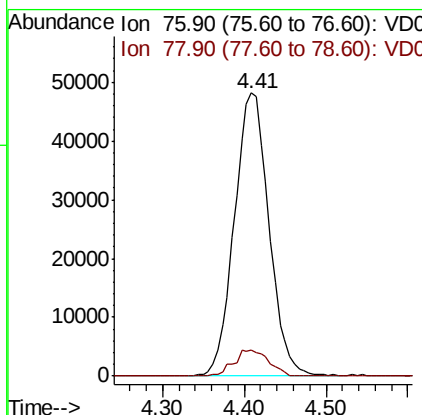
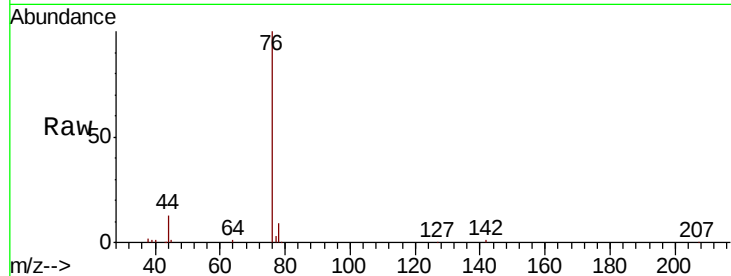




#17
Carbon Disulfide
Concen: 19.275 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

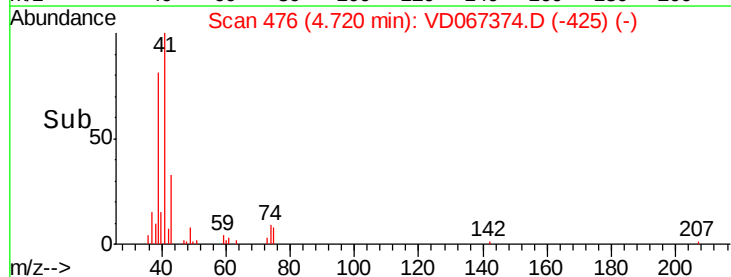
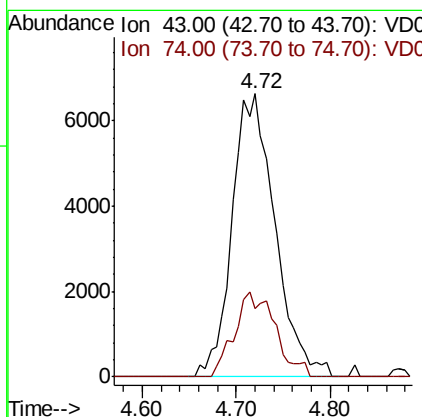
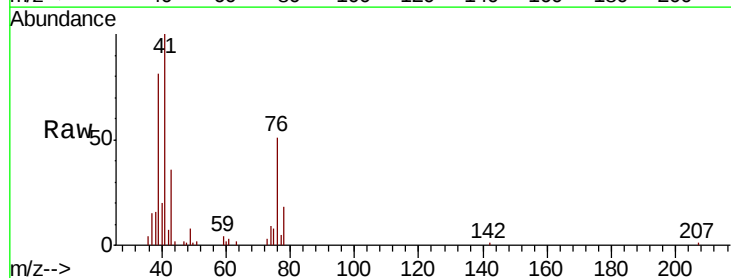
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

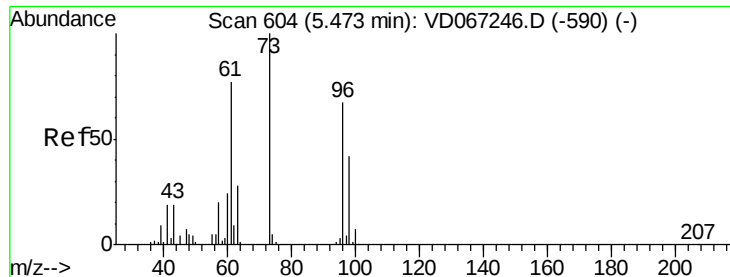
Tot Ion: 76 Resp: 142040
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 20.953 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 43 Resp: 21002
Ion Ratio Lower Upper
43 100
74 28.4 26.6 39.8

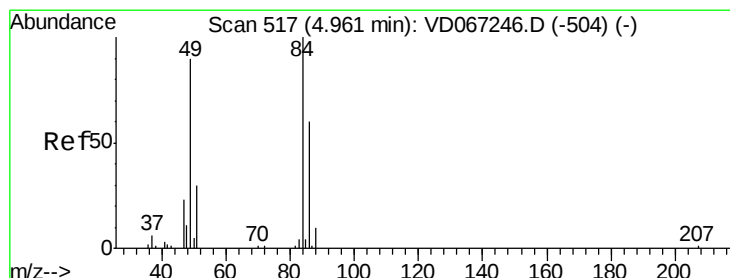
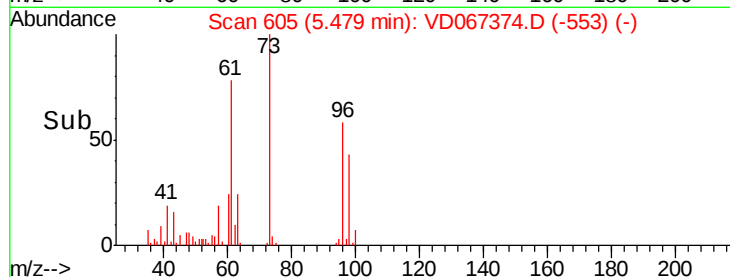
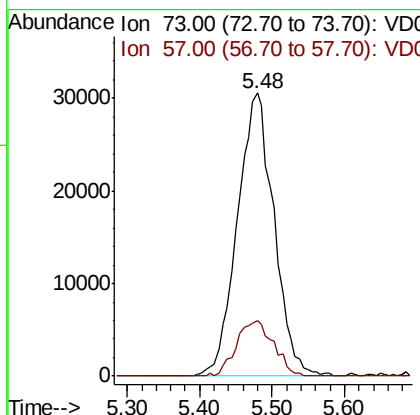
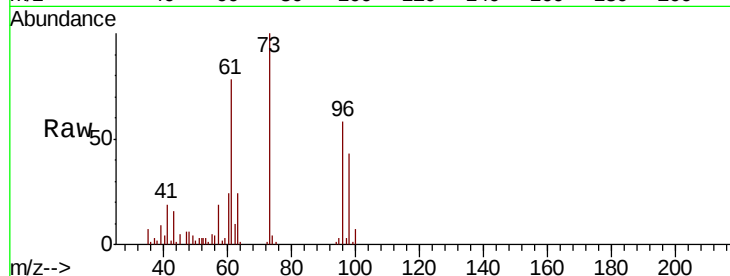




#19
Methvl tert-butvl Ether
Concen: 20.918 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

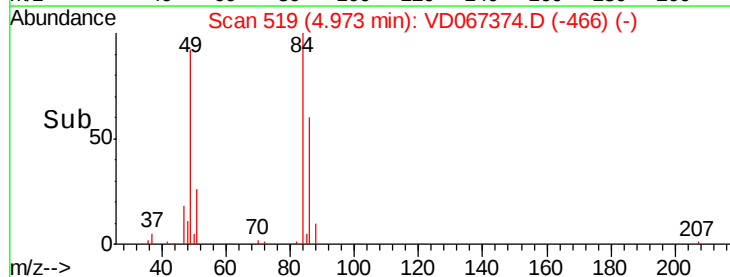
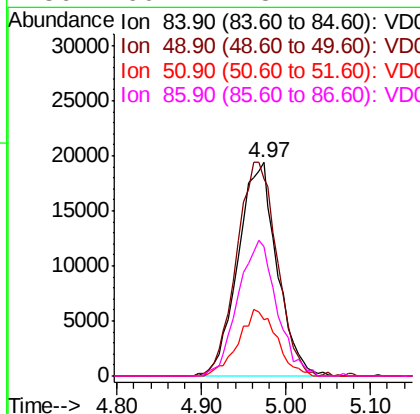
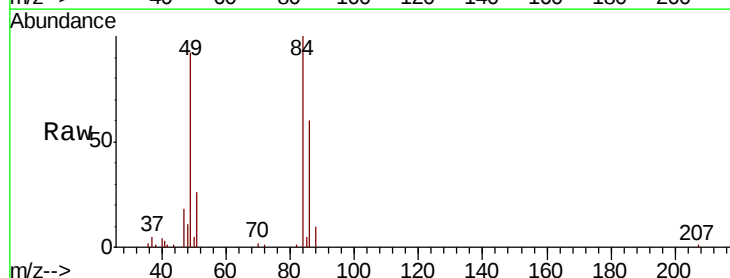
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

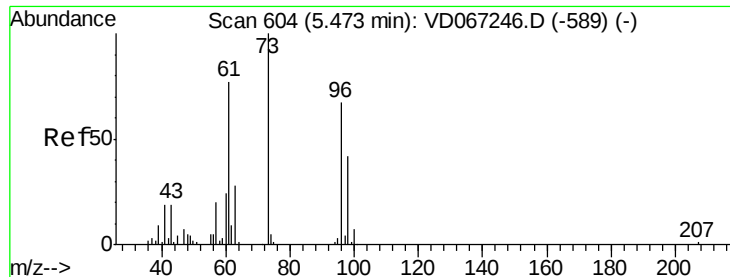
Tot Ion: 73 Resp: 107515
Ion Ratio Lower Upper
73 100
57 19.5 15.7 23.5



#20
Methylene Chloride
Concen: 19.324 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 84 Resp: 62147
Ion Ratio Lower Upper
84 100
49 92.5 72.2 108.2
51 26.5 23.8 35.8
86 60.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.065 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

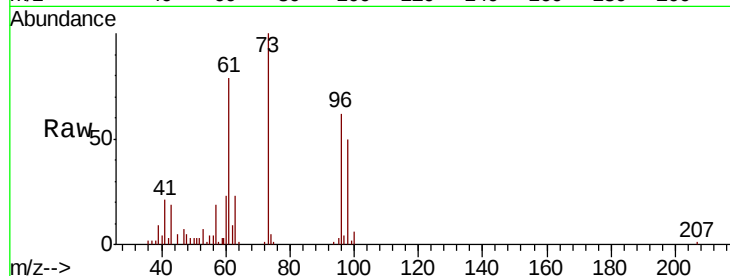
Tot Ion: 96 Resp: 59686

Ion Ratio Lower Upper

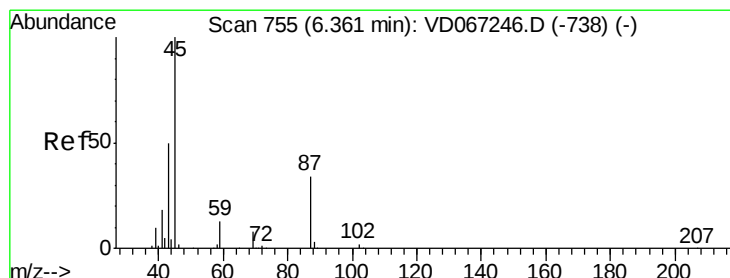
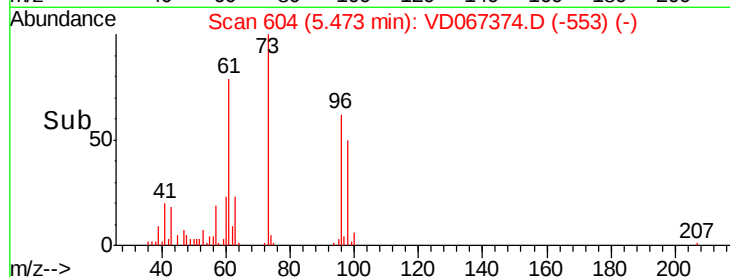
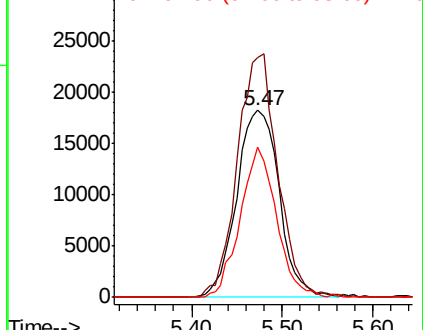
96 100

61 128.5 92.0 138.0

98 80.7 49.8 74.8#



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



#22

Diisopropyl ether

Concen: 21.926 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion: 45 Resp: 118564

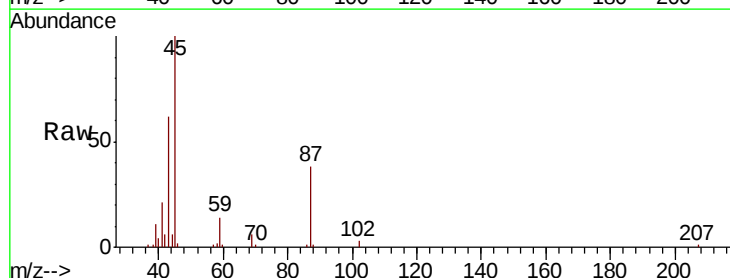
Ion Ratio Lower Upper

45 100

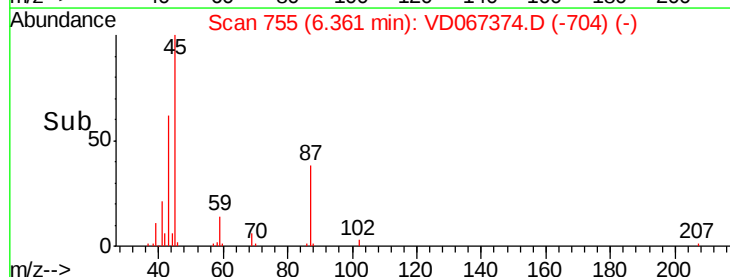
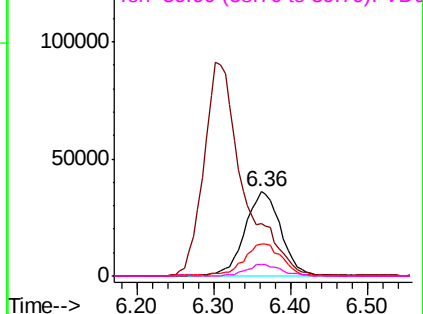
43 60.2 48.0 72.0

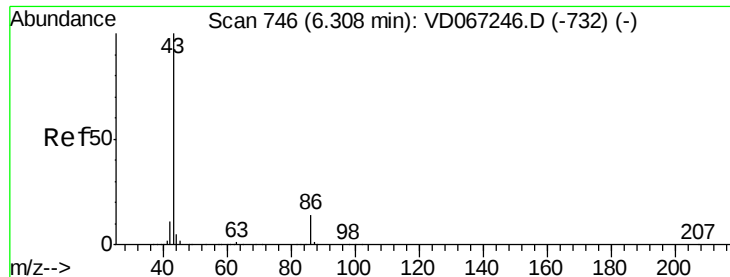
87 37.6 28.5 42.7

59 14.2 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.380 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

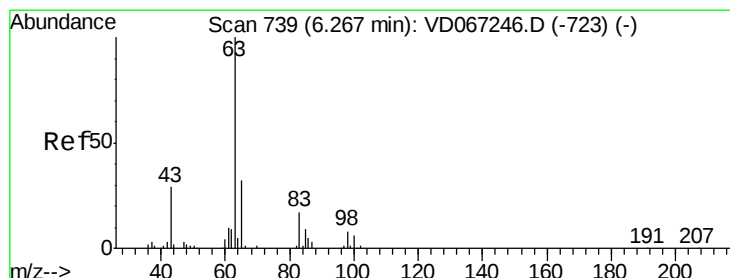
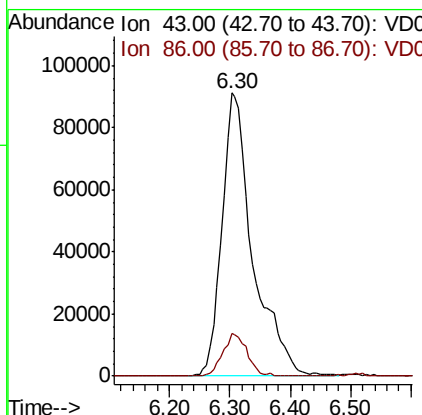
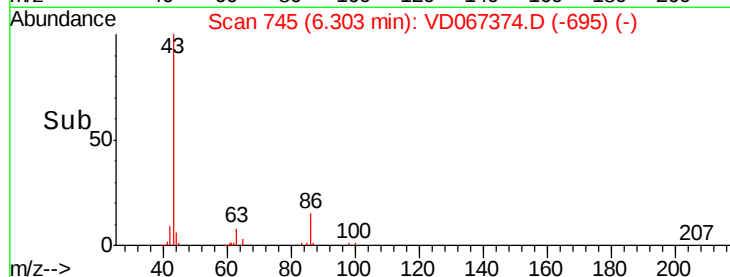
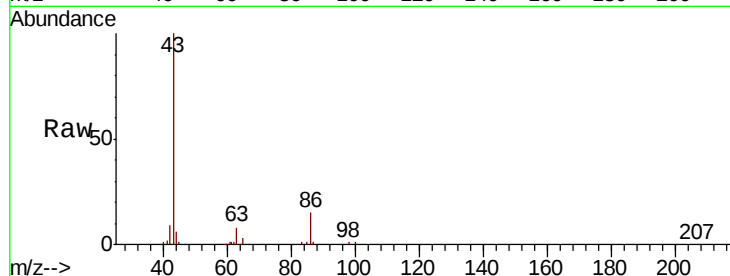
VD1023SBSD01

Tot Ion: 43 Resp: 324198

Ion Ratio Lower Upper

43 100

86 14.9 11.0 16.6



#24

1,1-Dichloroethane

Concen: 20.628 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

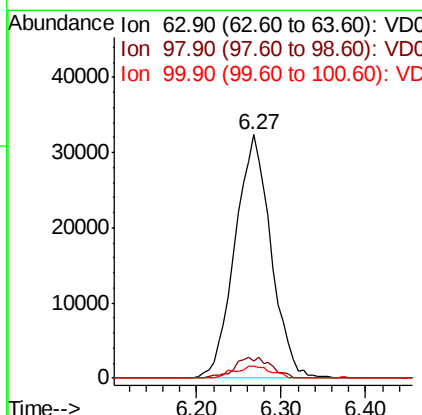
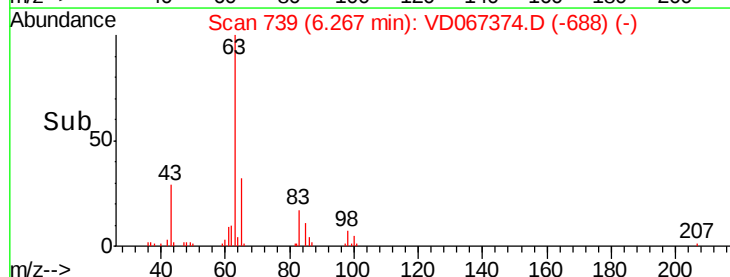
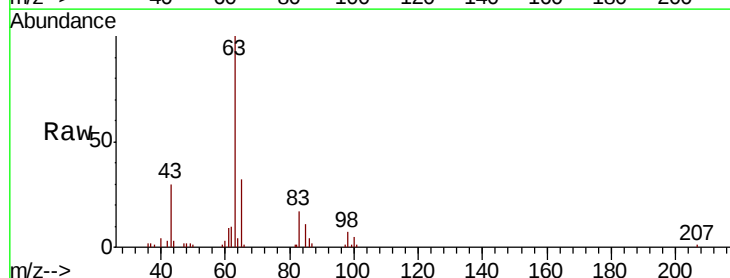
Tgt Ion: 63 Resp: 95484

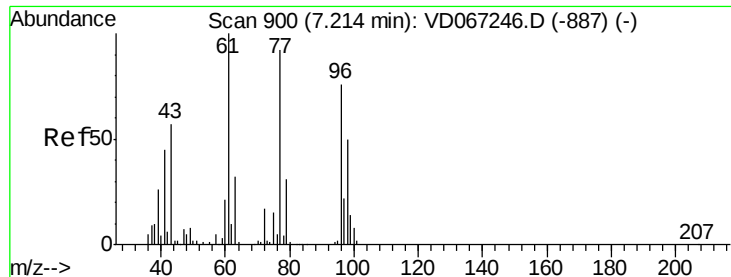
Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.2

100 4.8 2.8 8.4





#25

2-Butanone

Concen: 104.790 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

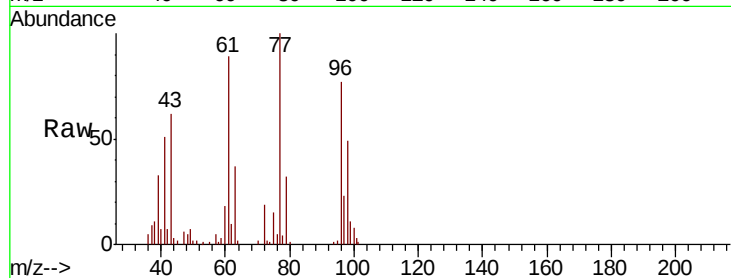
VD1023SBSD01

Tot Ion: 43 Resp: 52492

Ion Ratio Lower Upper

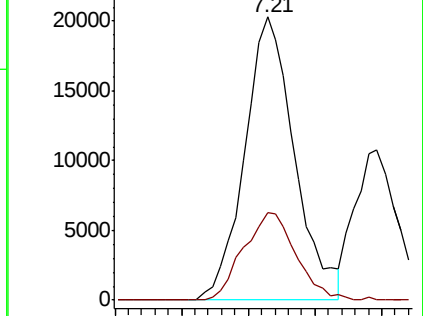
43 100

72 30.7 23.7 35.5

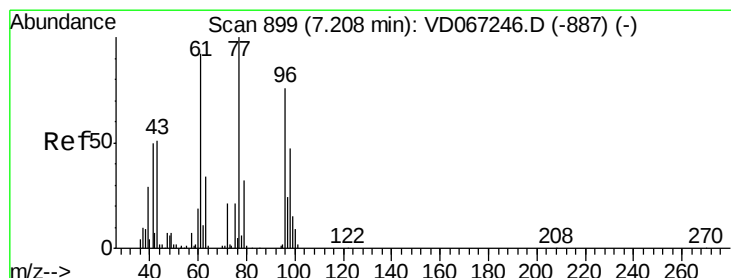
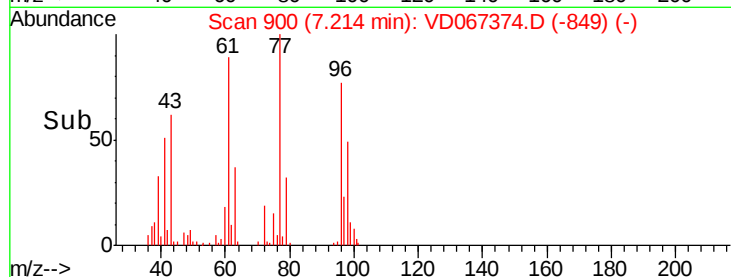


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 20.838 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067374.D

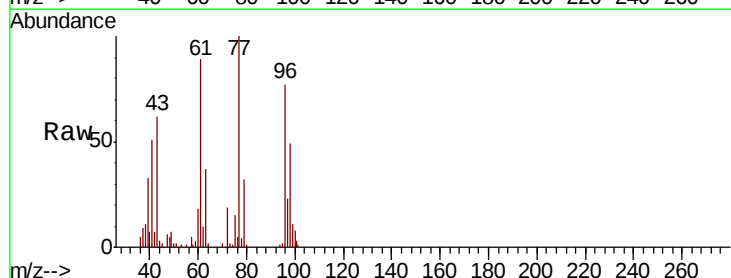
Acq: 23 Oct 2020 11:36

Tgt Ion: 77 Resp: 99420

Ion Ratio Lower Upper

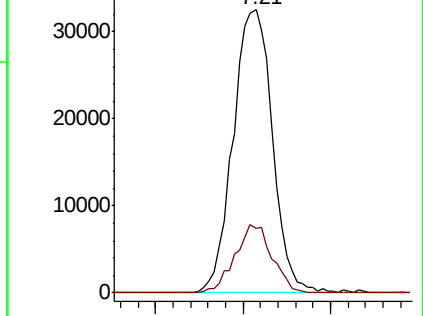
77 100

97 22.6 11.4 34.2

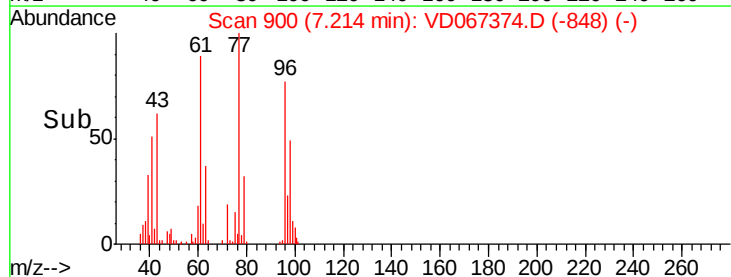


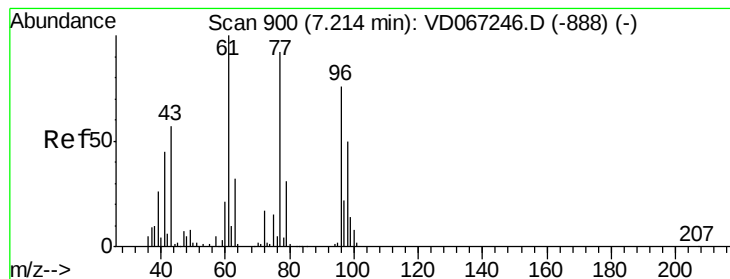
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time--> 7.10 7.20 7.30





#27

cis-1,2-Dichloroethene

Concen: 20.063 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

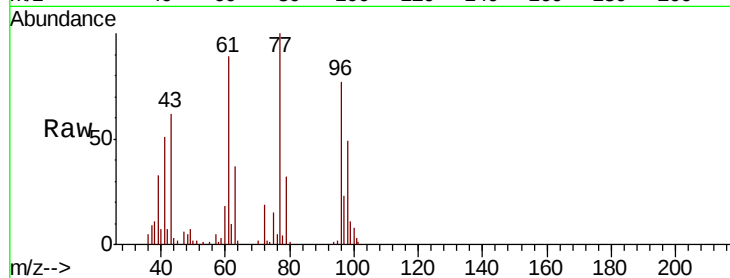
Tot Ion: 96 Resp: 65407

Ion Ratio Lower Upper

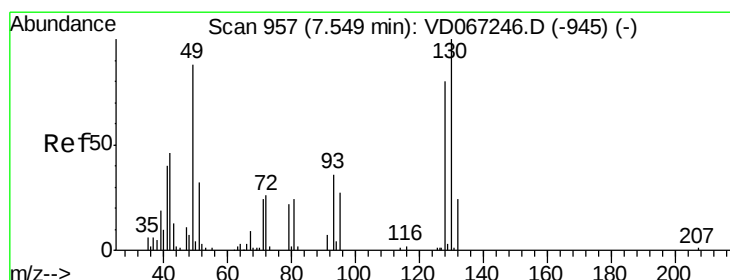
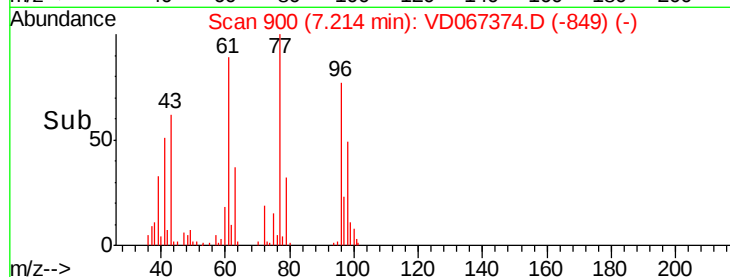
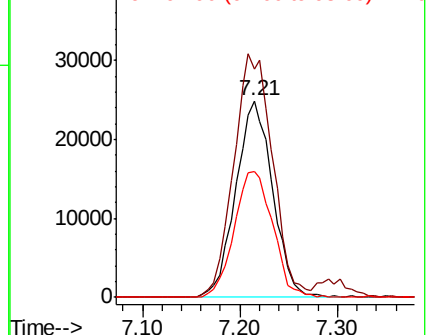
96 100

61 130.5 0.0 255.4

98 66.8 0.0 128.0



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: 19.233 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

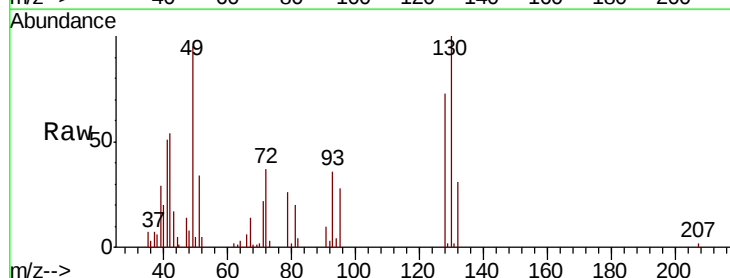
Tgt Ion: 49 Resp: 30366

Ion Ratio Lower Upper

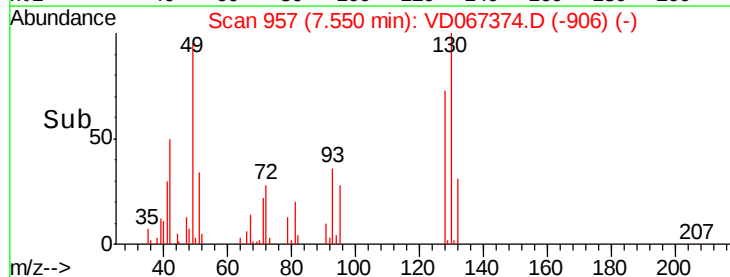
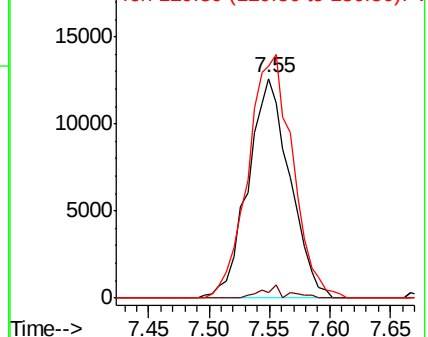
49 100

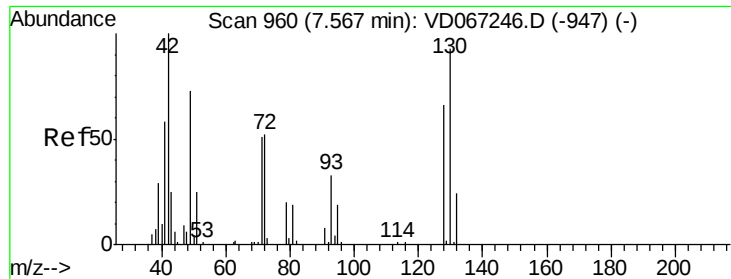
129 2.9 0.0 1.6#

130 117.6 91.0 136.6



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

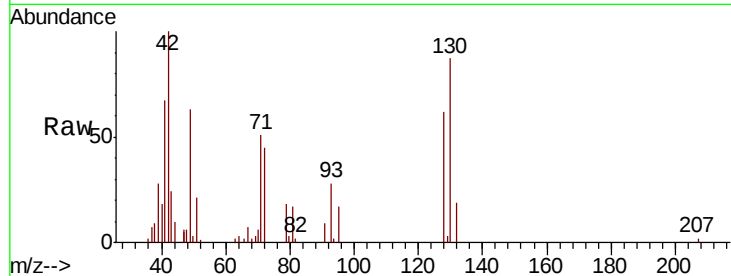




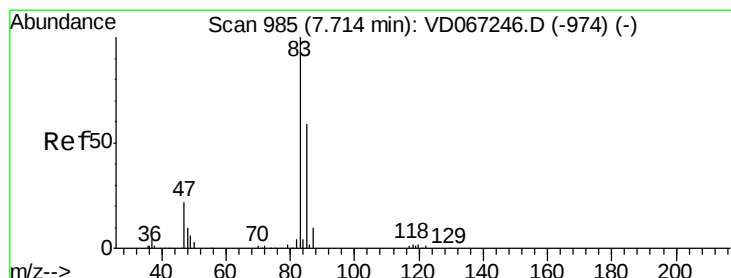
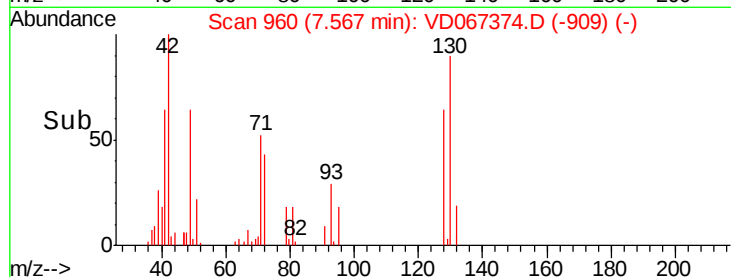
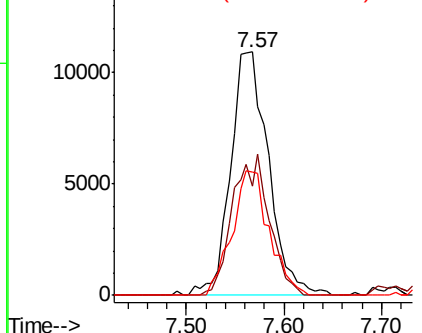
#29
Tetrahydrofuran
Concen: 106.542 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.9	43.2	64.8
71	50.2	39.4	59.0

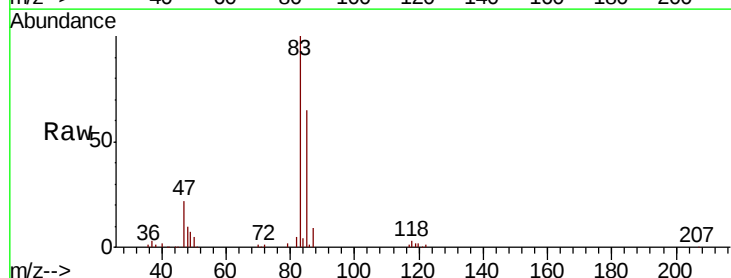


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

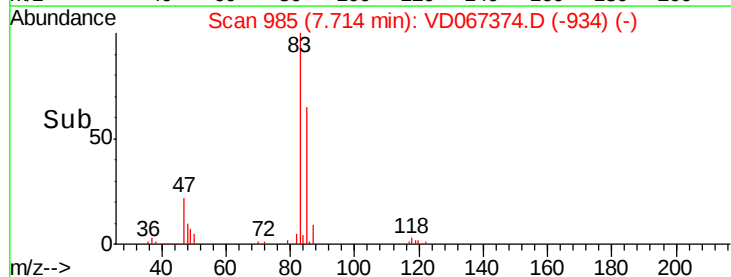
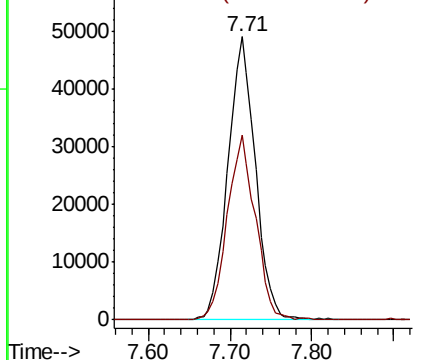


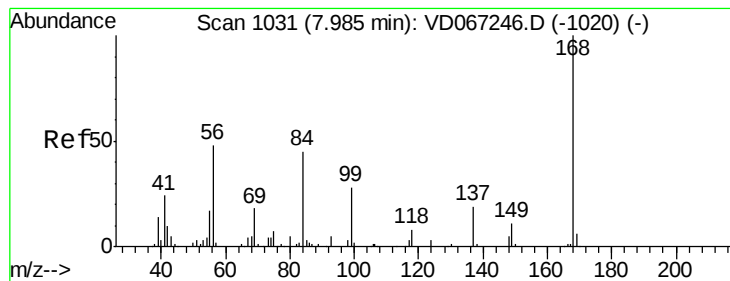
#30
Chloroform
Concen: 20.754 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	47.3	70.9



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





#31

Cyclohexane

Concen: 20.027 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

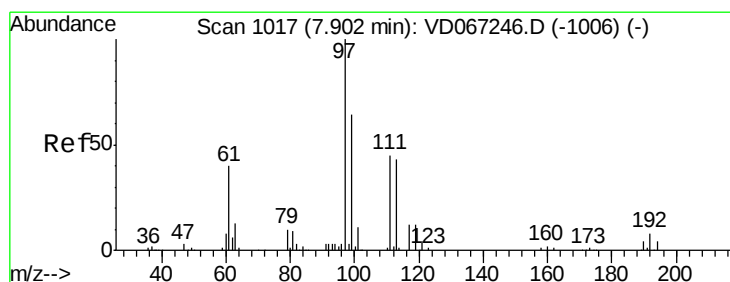
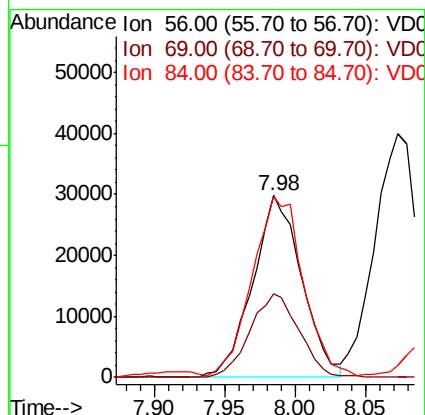
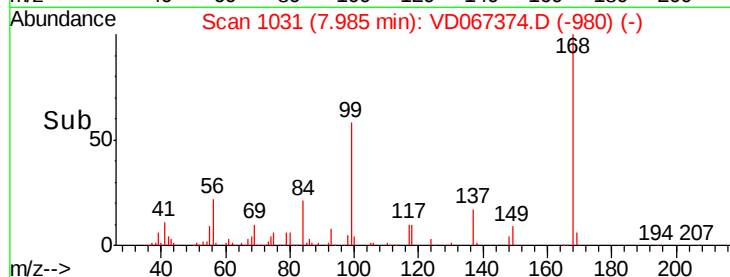
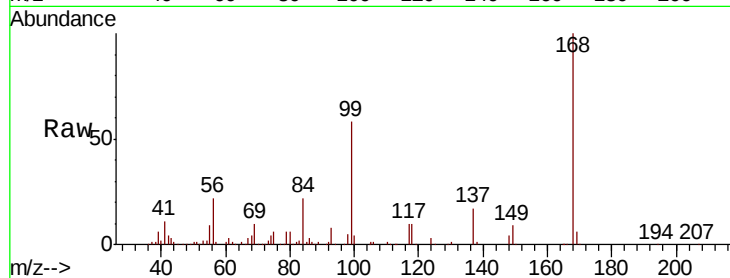
Tot Ion: 56 Resp: 72380

Ion Ratio Lower Upper

56 100

69 45.8 29.8 44.6#

84 97.1 76.6 114.8



#32

1,1,1-Trichloroethane

Concen: 20.850 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

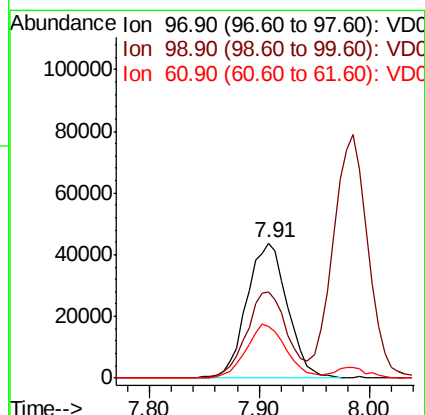
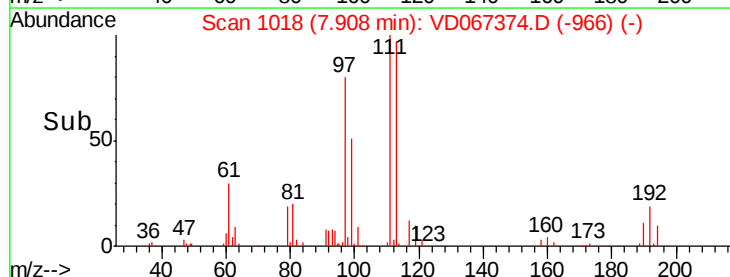
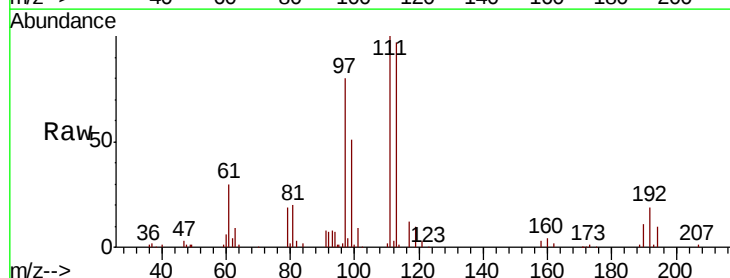
Tgt Ion: 97 Resp: 113121

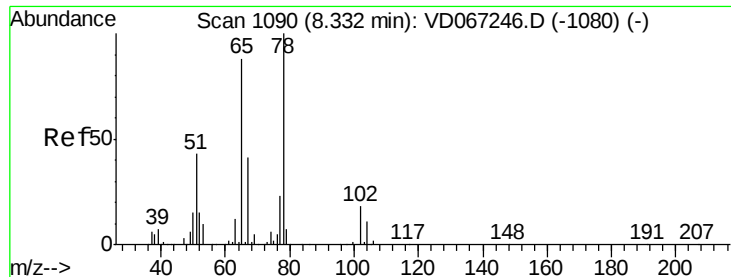
Ion Ratio Lower Upper

97 100

99 64.0 50.2 75.4

61 39.1 30.5 45.7

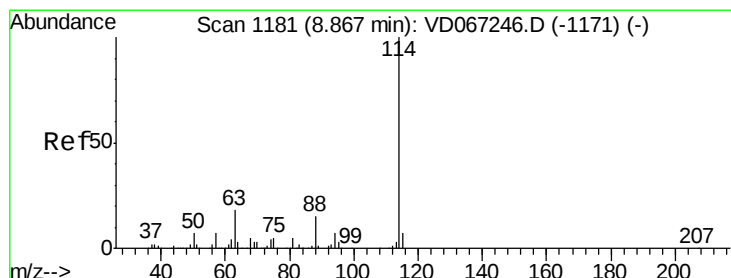
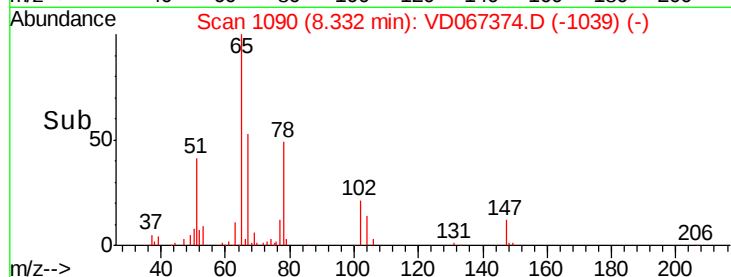
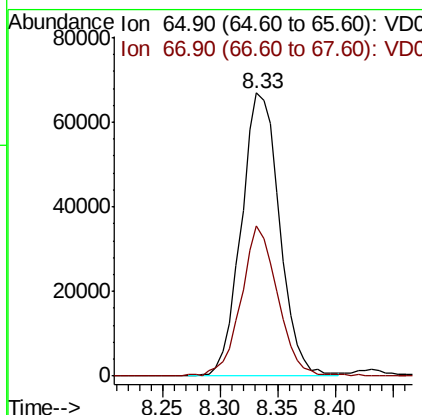
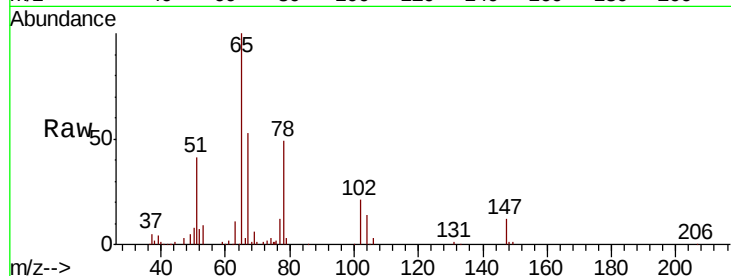




#33
 1,2-Dichloroethane-d4
 Concen: 49.202 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

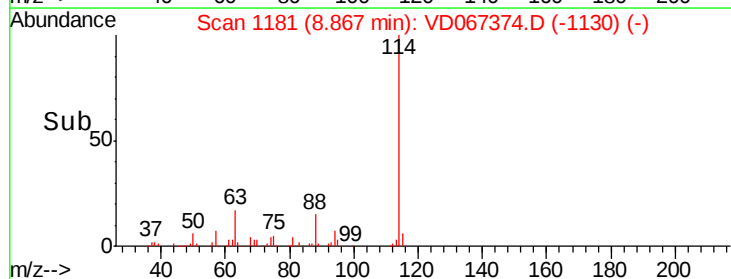
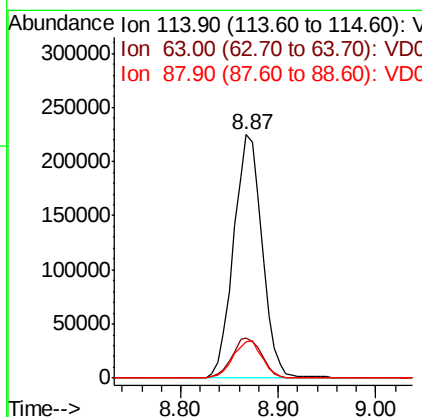
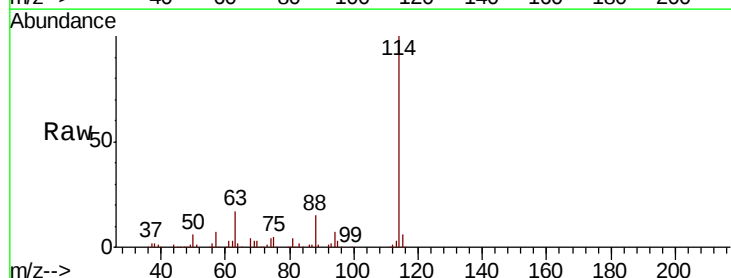
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

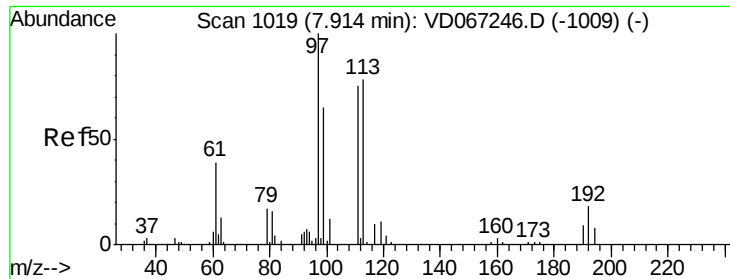
Tot Ion: 65 Resp: 154385
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion: 114 Resp: 457997
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.0
 88 14.9 0.0 30.6

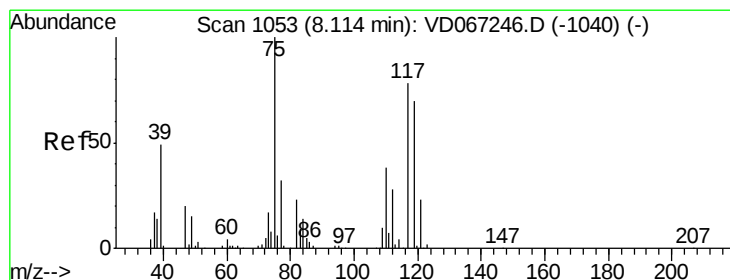
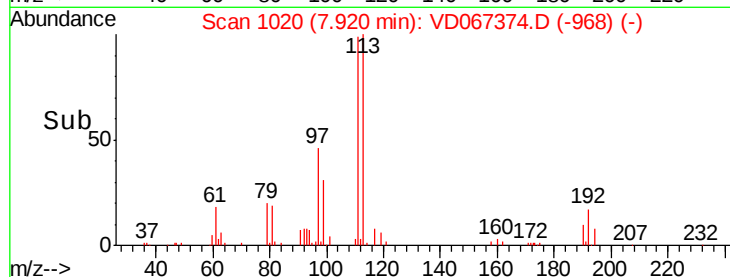
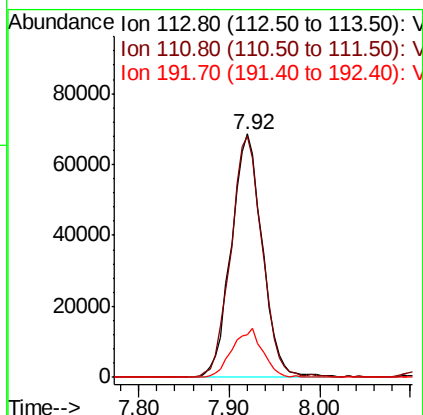
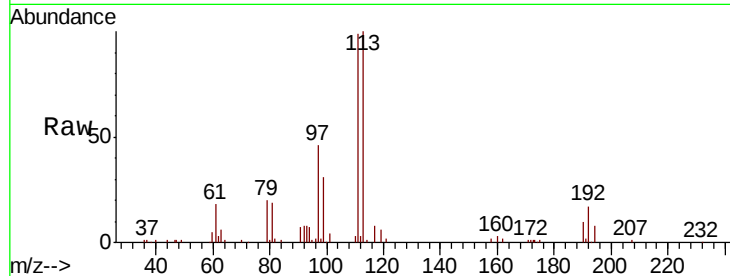




#35
 Dibromofluoromethane
 Concen: 53.671 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

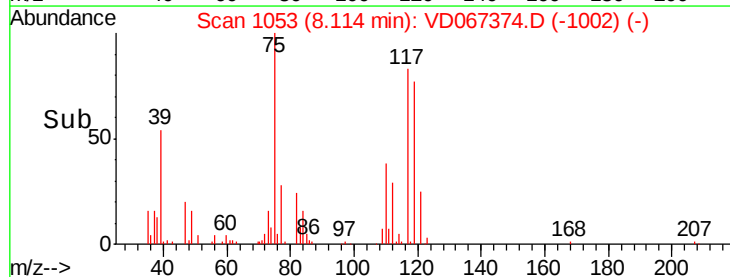
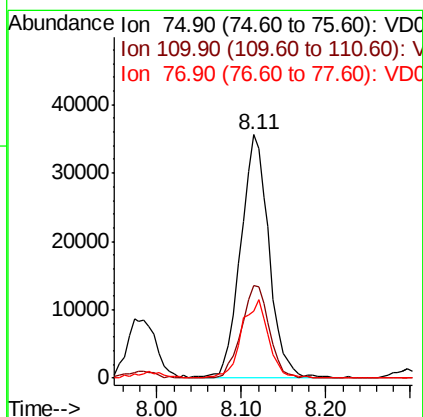
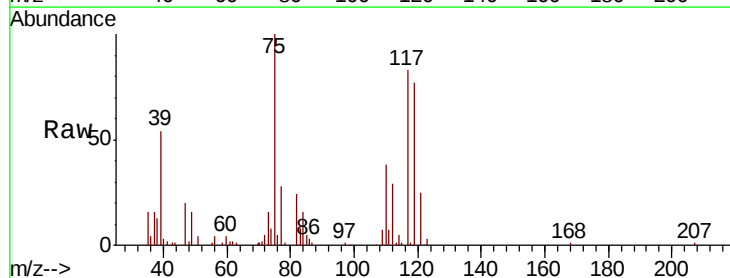
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

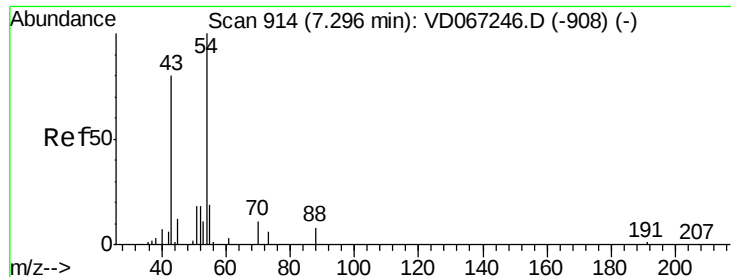
Tot Ion:113 Resp: 163589
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.6 122.4
 192 19.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 21.338 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion: 75 Resp: 82832
 Ion Ratio Lower Upper
 75 100
 110 37.3 19.6 58.7
 77 30.8 24.6 37.0

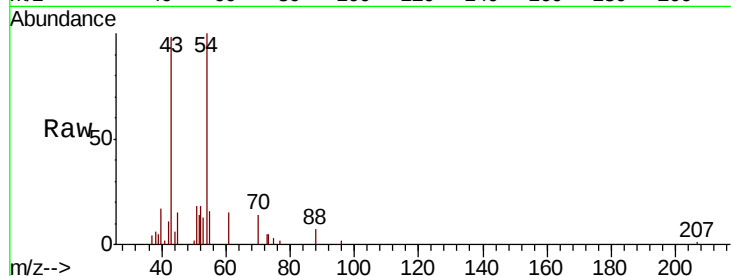




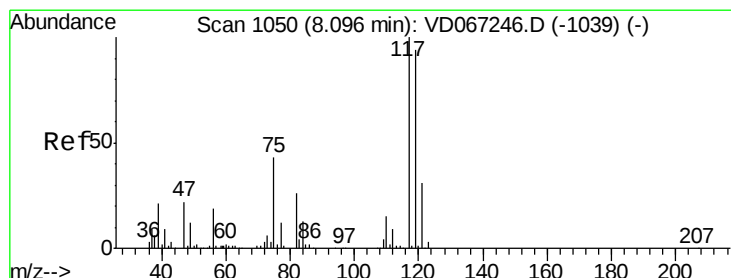
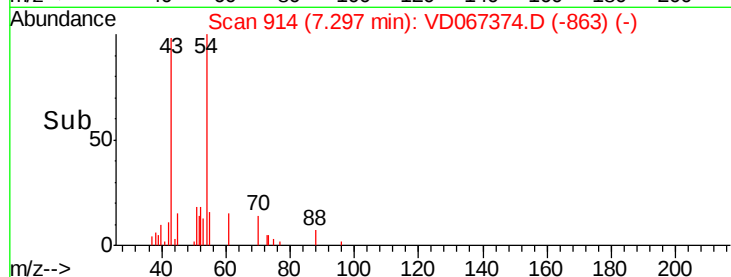
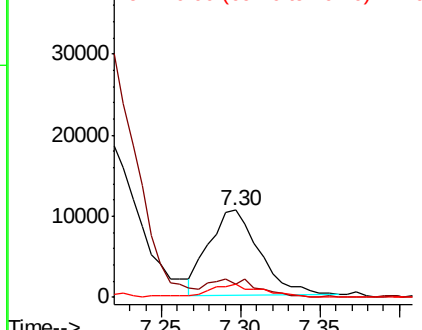
#37
Ethyl Acetate
Concen: 20.384 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 43 Resp: 23281
Ion Ratio Lower Upper
43 100
61 21.0 15.6 23.4
70 16.5 10.4 15.6#

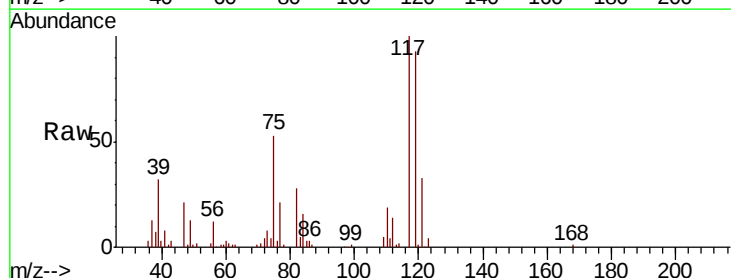


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

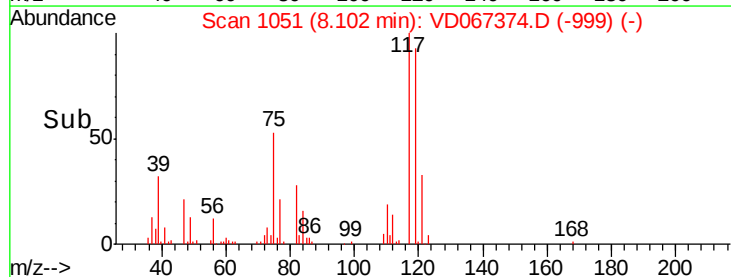
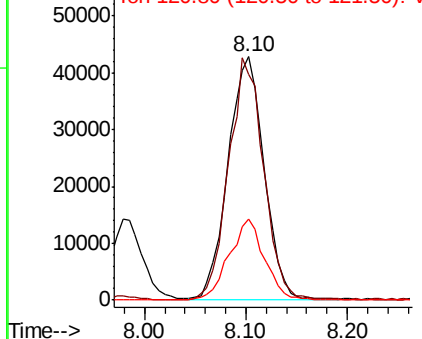


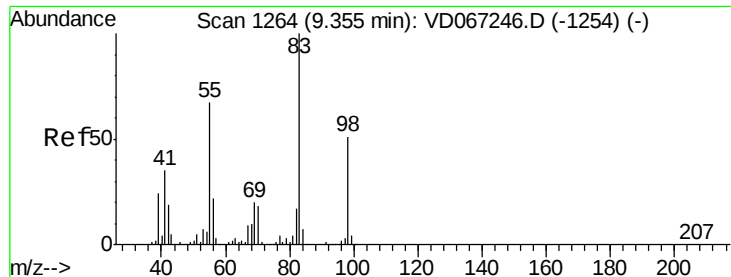
#38
Carbon Tetrachloride
Concen: 21.364 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 117 Resp: 105992
Ion Ratio Lower Upper
117 100
119 92.9 75.0 112.4
121 33.2 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

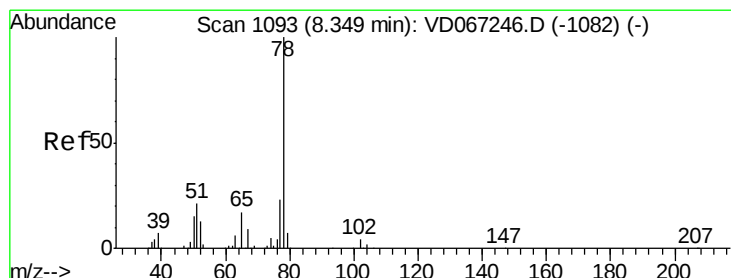
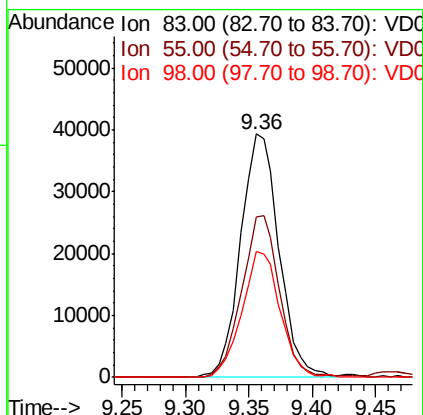
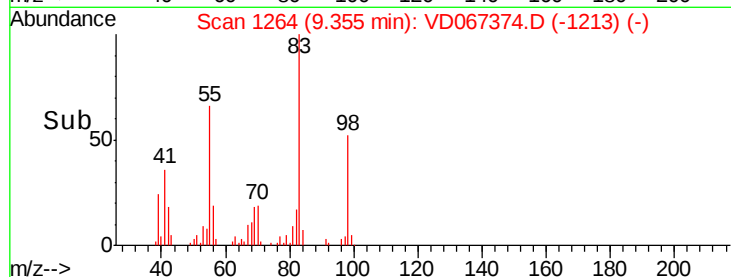
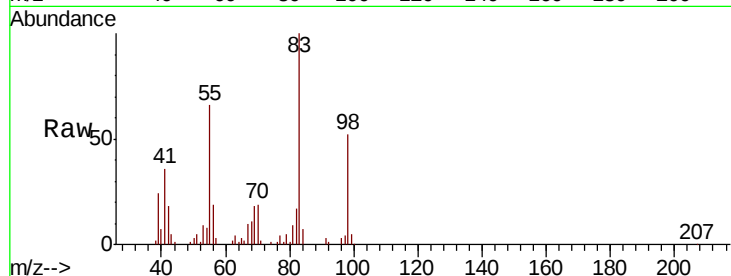




#39
Methvlcvclohexane
Concen: 20.409 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

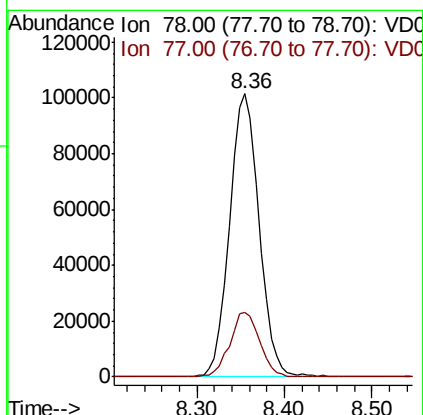
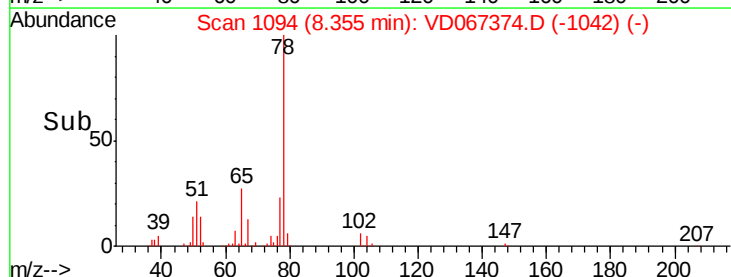
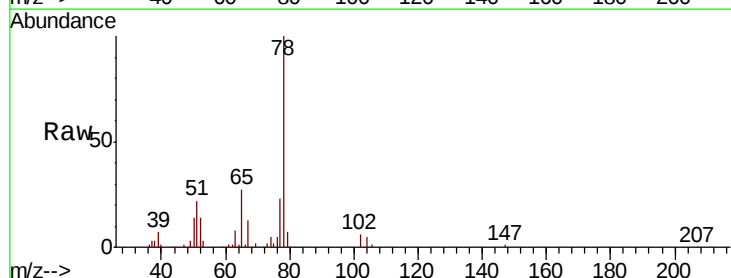
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

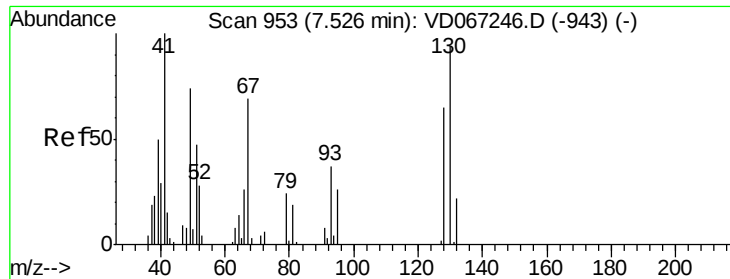
Tot Ion: 83 Resp: 82825
Ion Ratio Lower Upper
83 100
55 65.8 53.3 79.9
98 51.6 41.0 61.4



#40
Benzene
Concen: 21.802 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 78 Resp: 232182
Ion Ratio Lower Upper
78 100
77 22.9 18.3 27.5

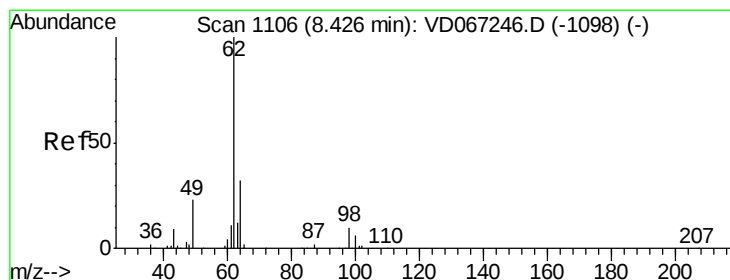
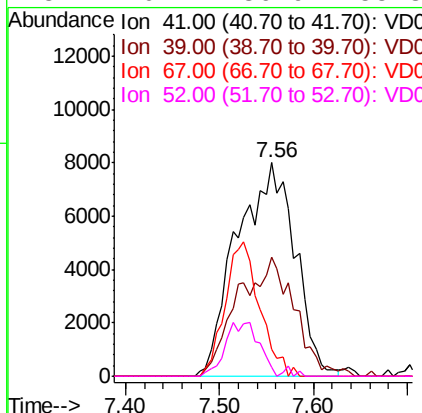
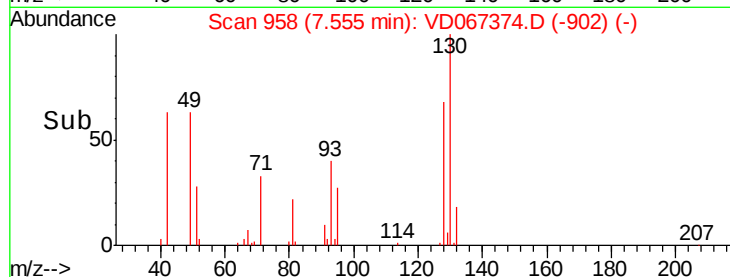
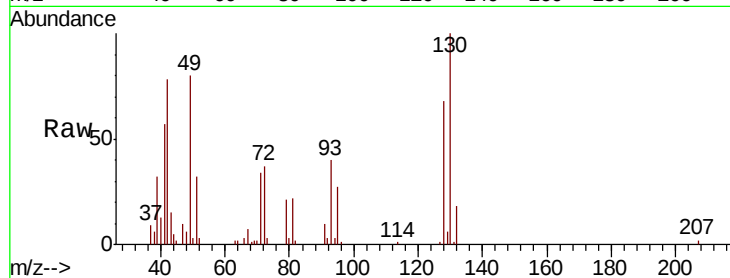




#41
Methacrylonitrile
Concen: 55.384 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

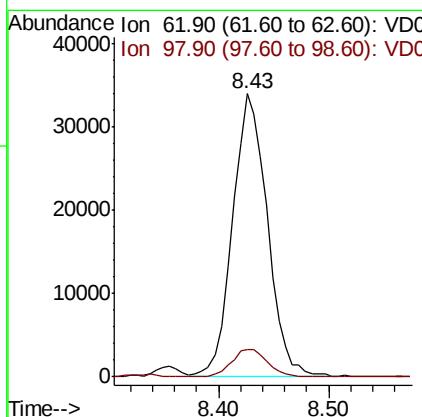
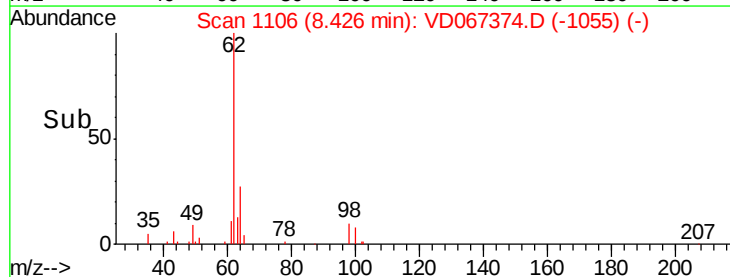
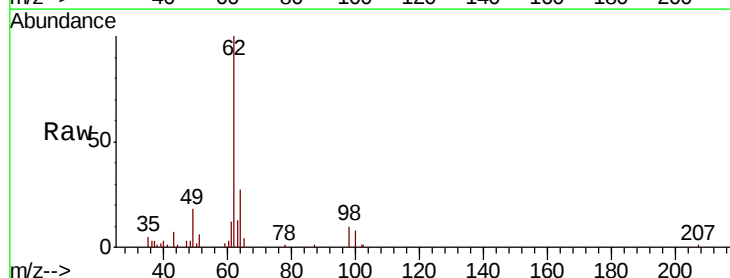
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

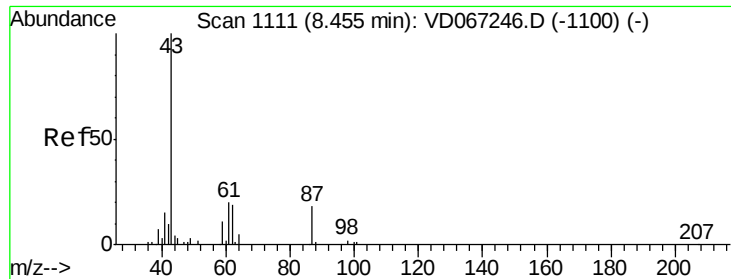
Tot Ion: 41 Resp: 34182
Ion Ratio Lower Upper
41 100
39 29.3 60.0 90.0#
67 0.0 88.9 133.3#
52 0.7 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 22.619 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 62 Resp: 75382
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.4





#43

Isopropyl Acetate

Concen: 22.003 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

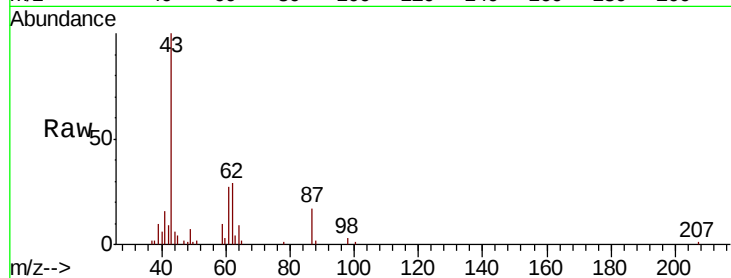
Tot Ion: 43 Resp: 49864

Ion Ratio Lower Upper

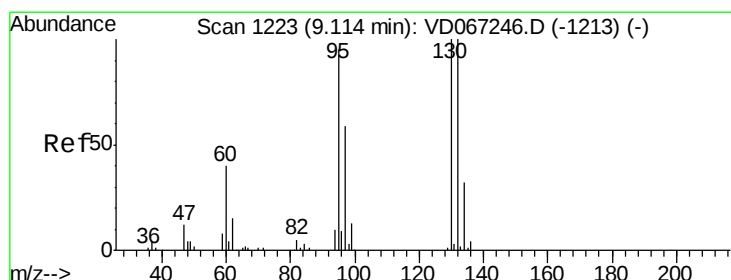
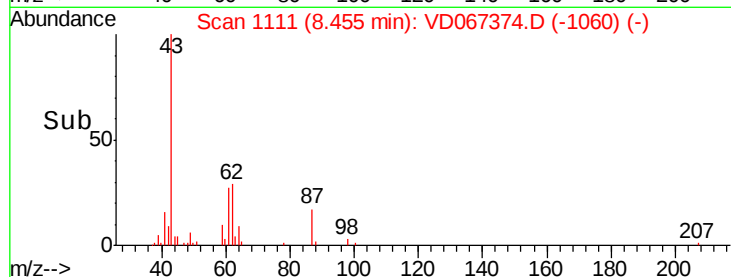
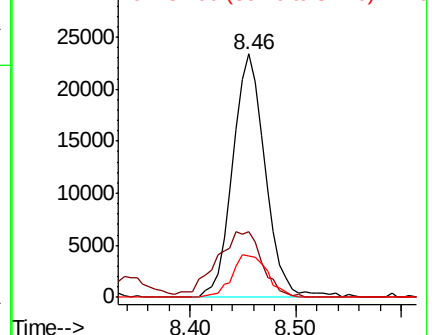
43 100

61 38.2 29.5 44.3

87 19.2 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: 21.950 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067374.D

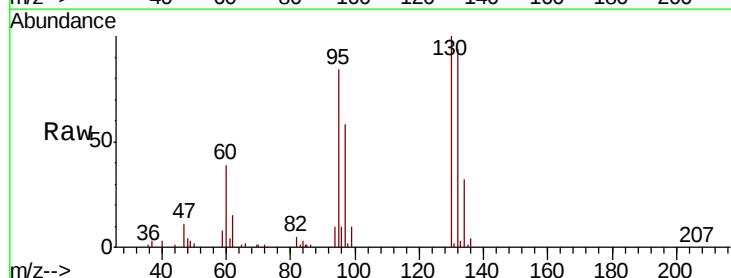
Acq: 23 Oct 2020 11:36

Tgt Ion:130 Resp: 74841

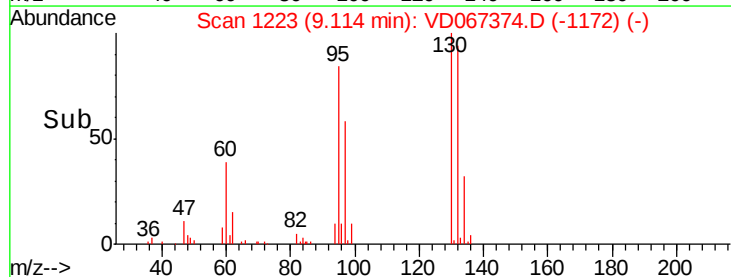
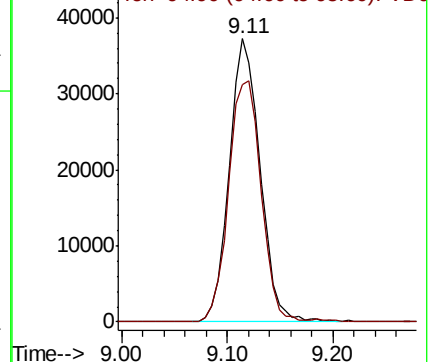
Ion Ratio Lower Upper

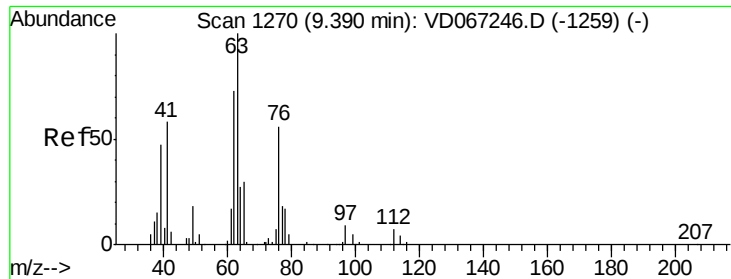
130 100

95 83.8 0.0 190.6



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





#45

1,2-Dichloropropane

Concen: 21.574 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

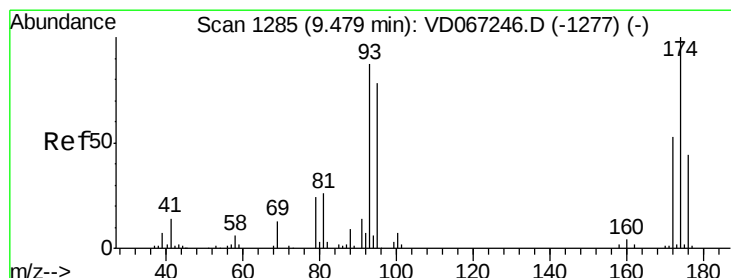
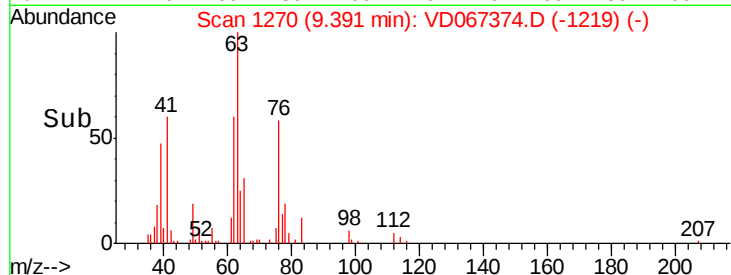
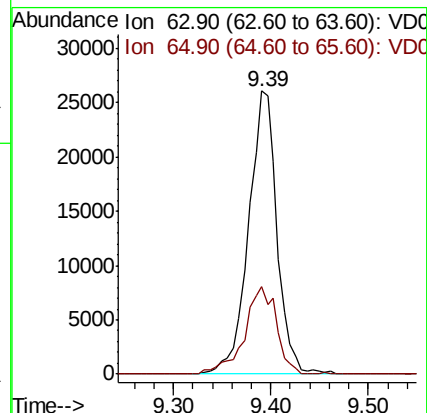
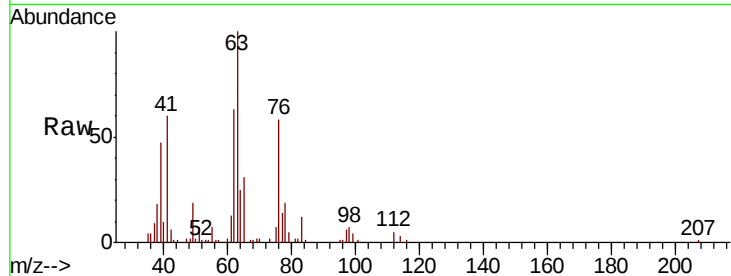
VD1023SBSD01

Tot Ion: 63 Resp: 53245

Ion Ratio Lower Upper

63 100

65 31.0 24.6 36.8



#46

Dibromomethane

Concen: 21.426 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

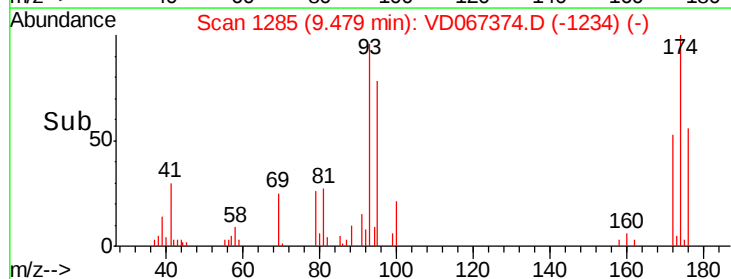
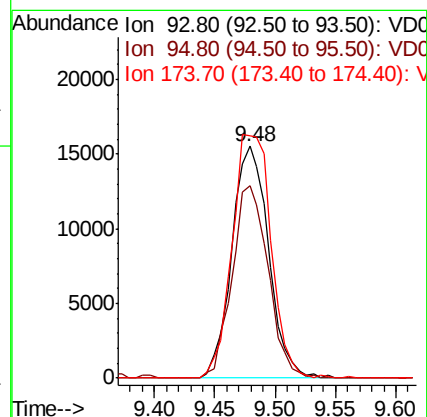
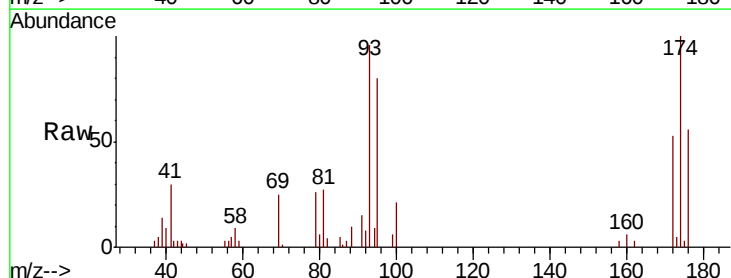
Tgt Ion: 93 Resp: 32948

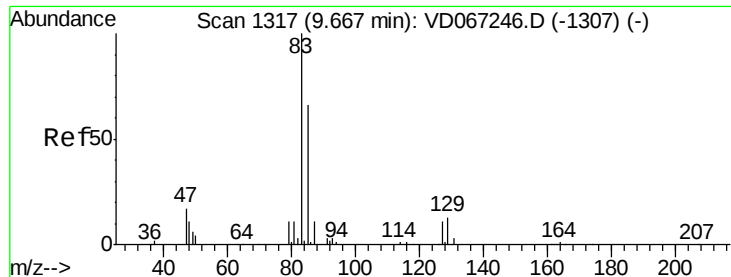
Ion Ratio Lower Upper

93 100

95 81.3 68.0 102.0

174 111.0 91.8 137.6





#47

Bromodichloromethane

Concen: 21.856 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

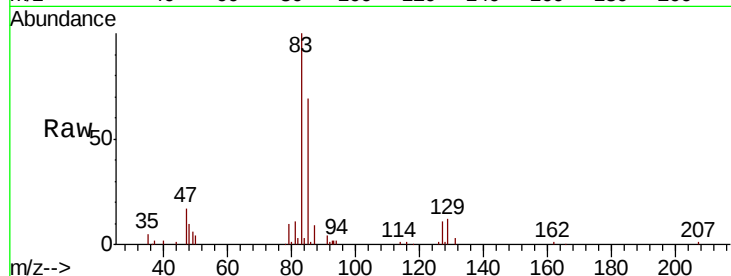
Tot Ion: 83 Resp: 90044

Ion Ratio Lower Upper

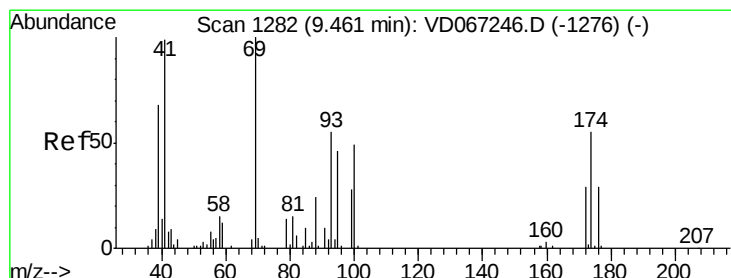
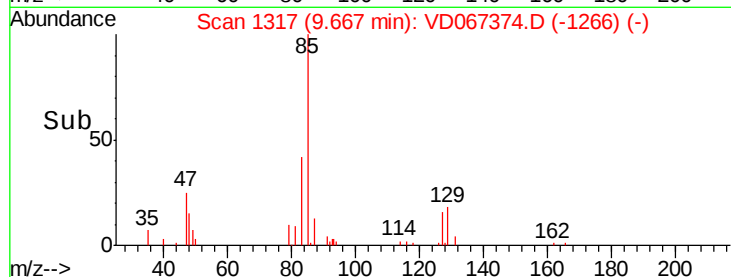
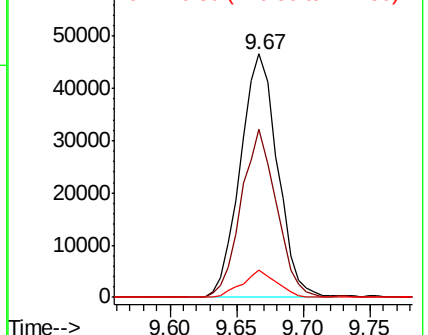
83 100

85 68.9 53.1 79.7

127 11.0 8.6 13.0



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



#48

Methyl methacrylate

Concen: 20.508 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

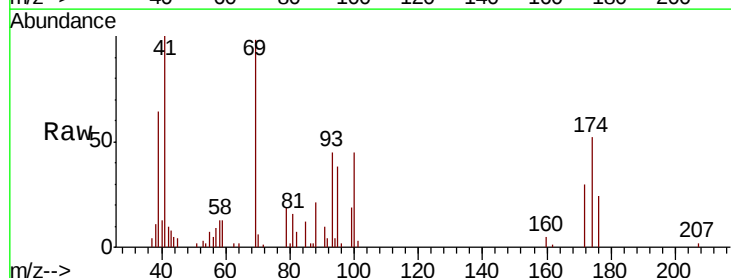
Tgt Ion: 41 Resp: 22586

Ion Ratio Lower Upper

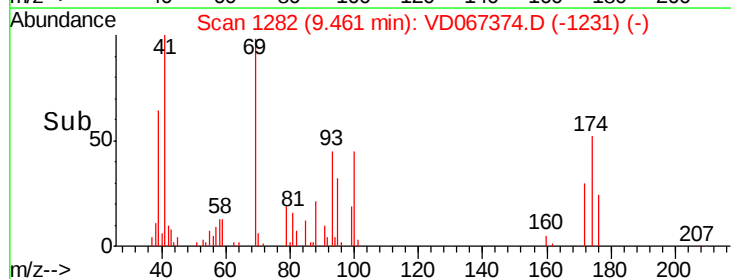
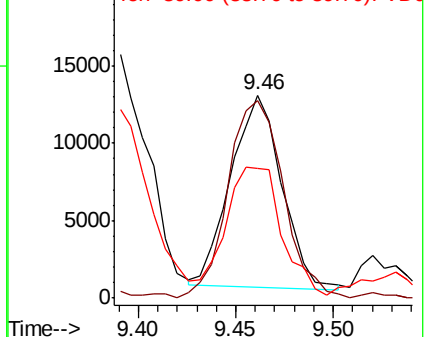
41 100

69 111.6 89.0 133.6

39 72.1 60.2 90.2



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

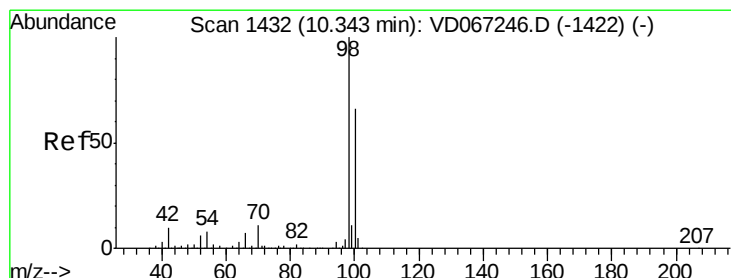
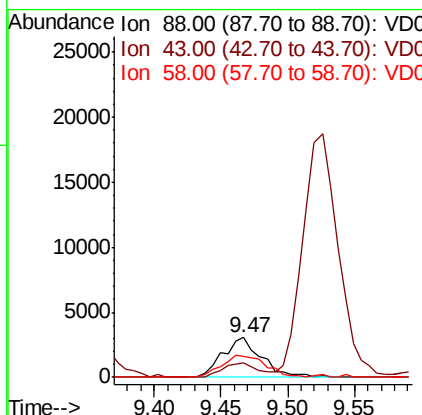
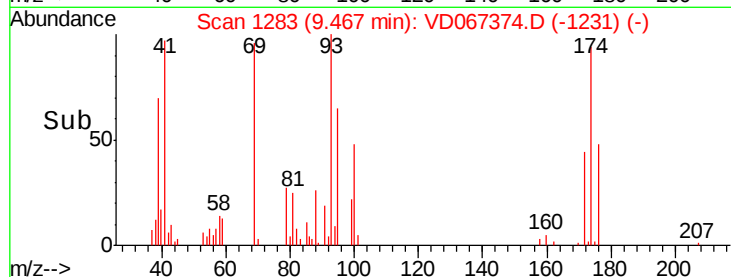
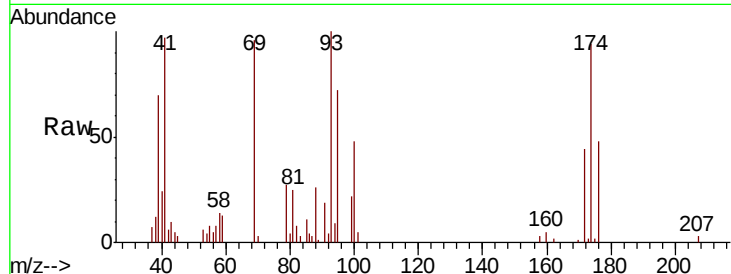




#49
1,4-Dioxane
Concen: 398.224 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

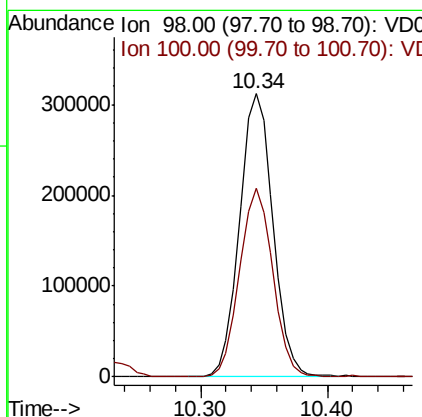
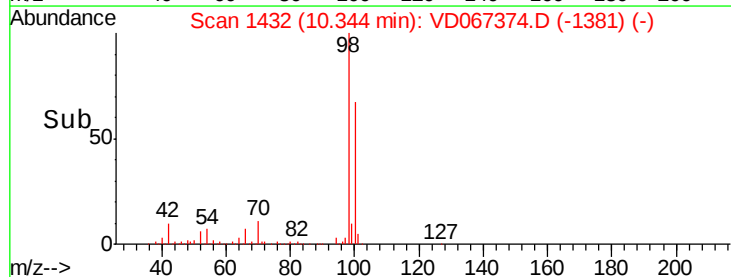
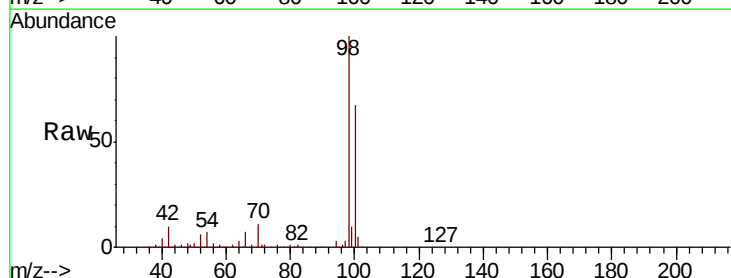
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

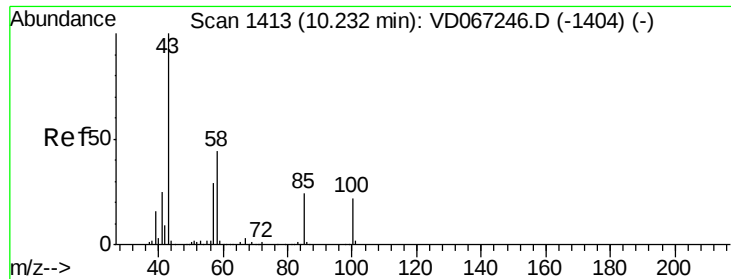
Tot Ion: 88 Resp: 6198
Ion Ratio Lower Upper
88 100
43 35.2 23.9 35.9
58 62.5 51.0 76.6



#50
Toluene-d8
Concen: 51.747 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 98 Resp: 570783
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

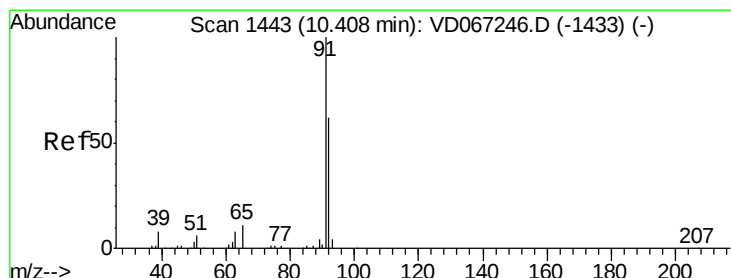
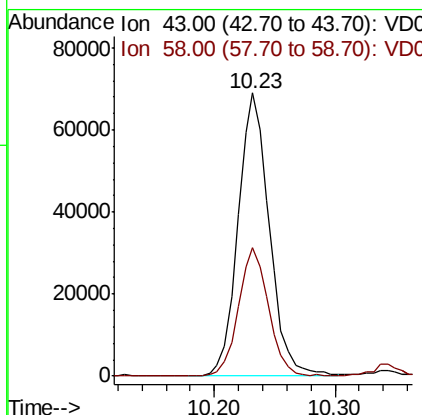
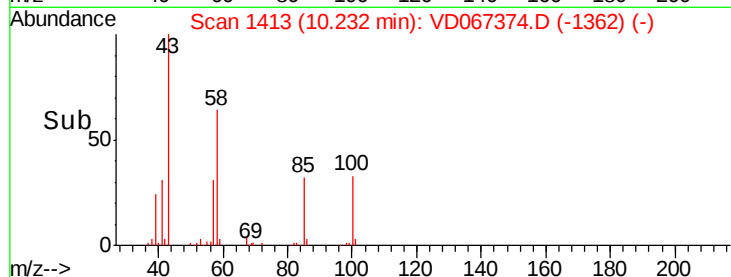
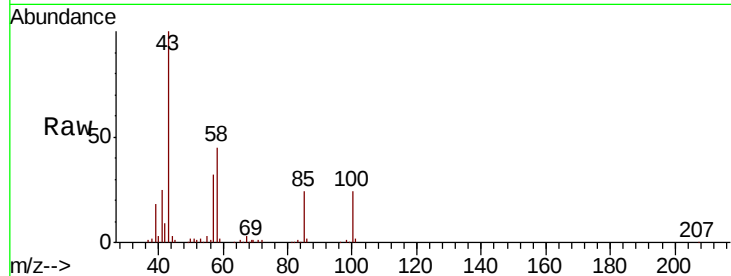




#51
4-Methyl-2-Pentanone
Concen: 109.994 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

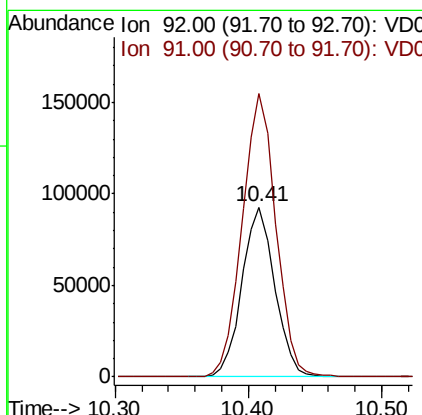
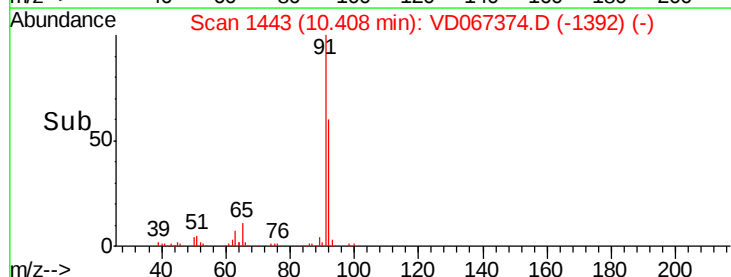
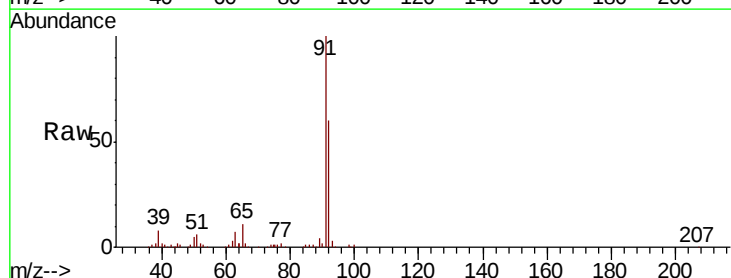
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 43 Resp: 124329
Ion Ratio Lower Upper
43 100
58 43.6 35.7 53.5



#52
Toluene
Concen: 21.736 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 92 Resp: 157657
Ion Ratio Lower Upper
92 100
91 171.6 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.791 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

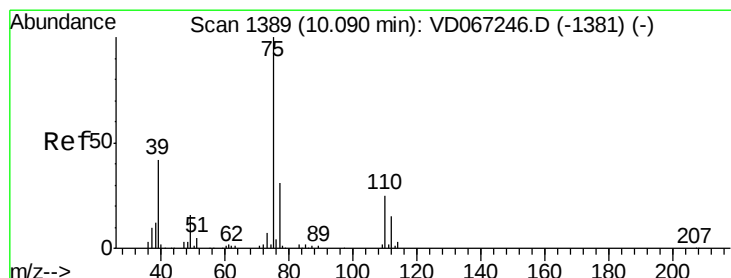
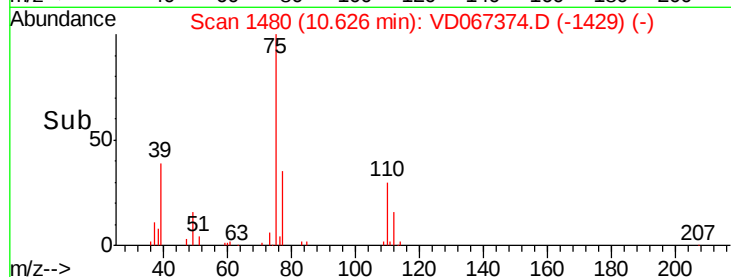
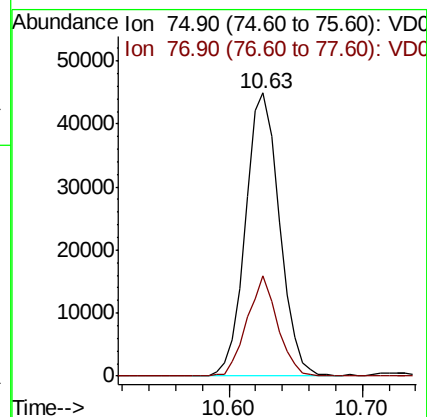
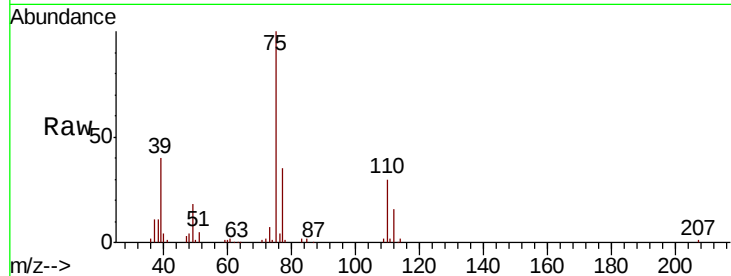
VD1023SBSD01

Tot Ion: 75 Resp: 78865

Ion Ratio Lower Upper

75 100

77 35.5 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 21.830 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

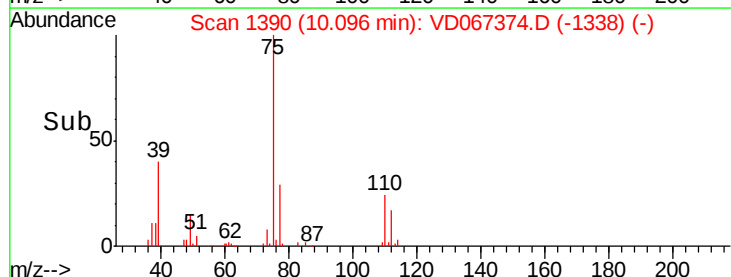
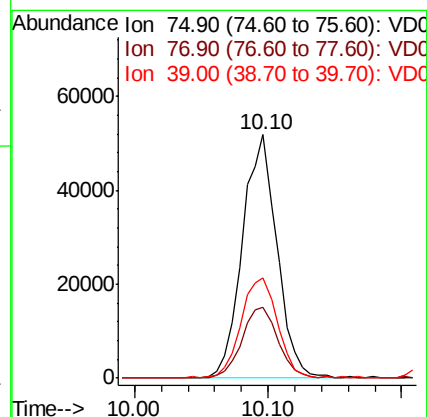
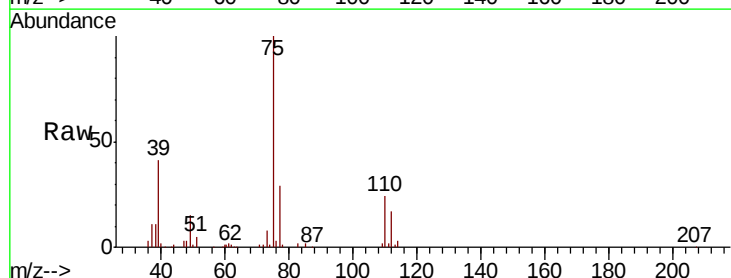
Tgt Ion: 75 Resp: 92461

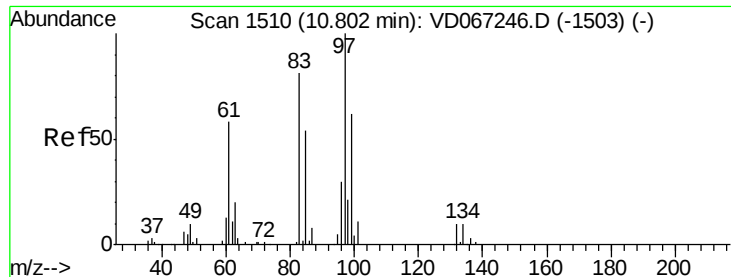
Ion Ratio Lower Upper

75 100

77 28.9 24.5 36.7

39 40.8 33.7 50.5

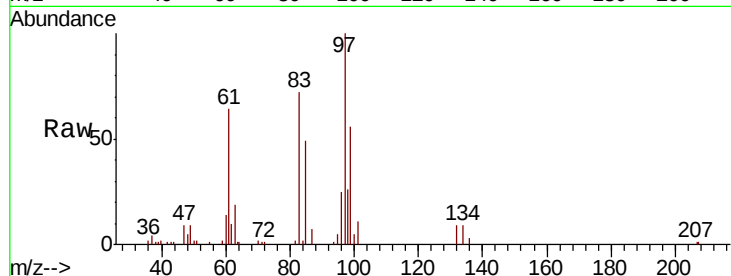




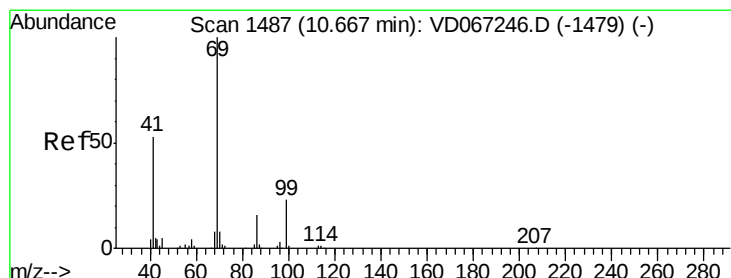
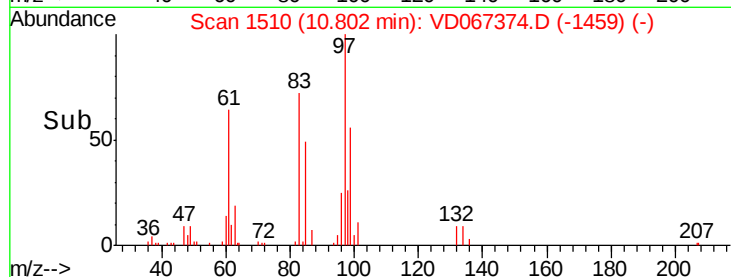
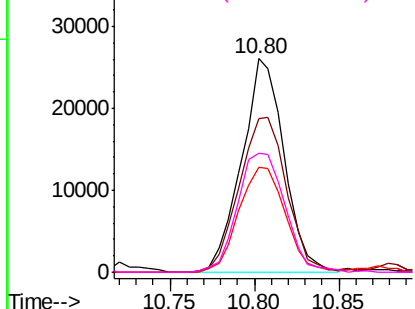
#55
 1,1,2-Trichloroethane
 Concen: 21.784 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion:	97	Resp:	45680
Ion	Ratio	Lower	Upper
97	100		
83	72.1	64.9	97.3
85	48.9	43.3	64.9
99	55.6	49.1	73.7

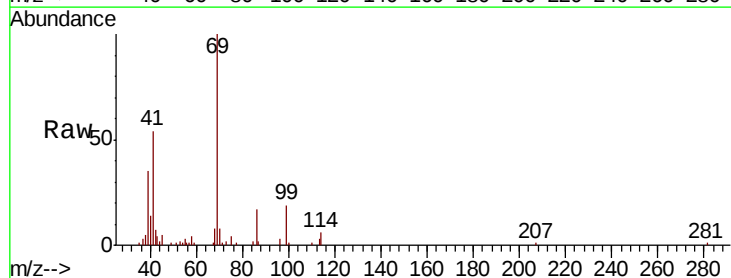


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

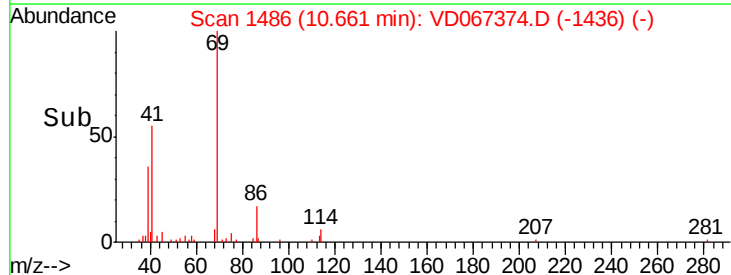
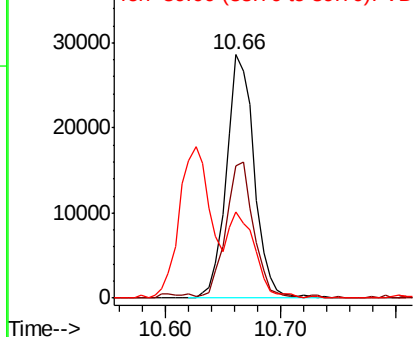


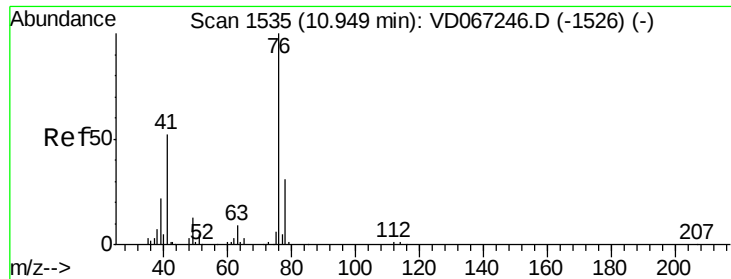
#56
 Ethyl methacrylate
 Concen: 21.923 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion:	69	Resp:	47676
Ion	Ratio	Lower	Upper
69	100		
41	56.0	44.7	67.1
39	33.7	26.2	39.2



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

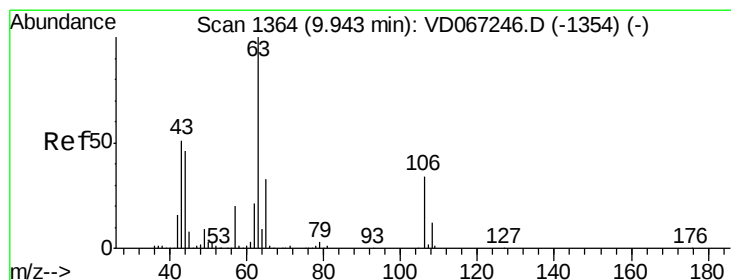
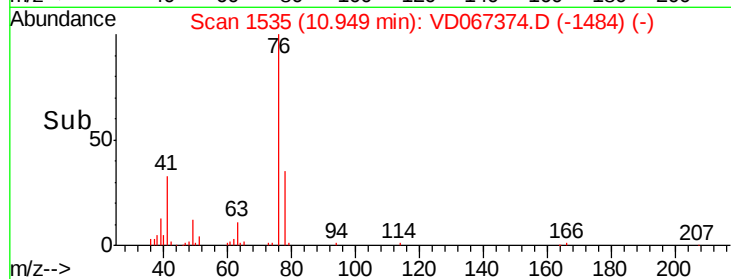
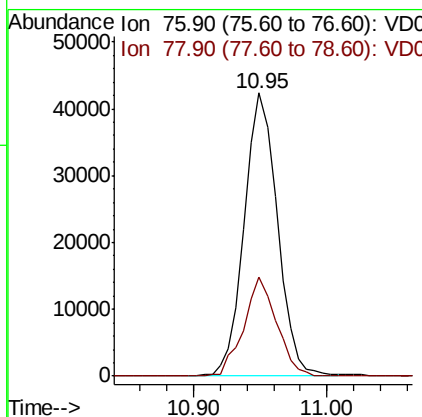
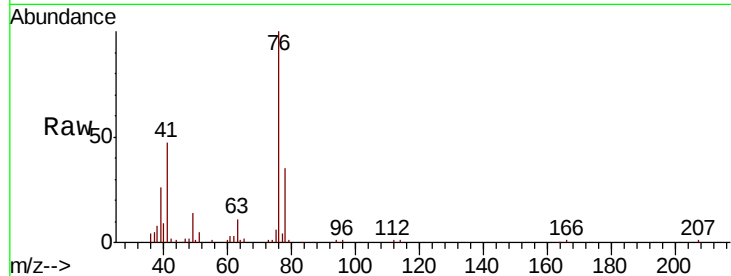




#57
 1,3-Dichloropropane
 Concen: 21.845 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

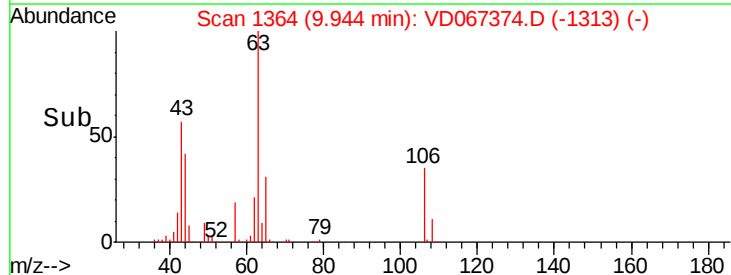
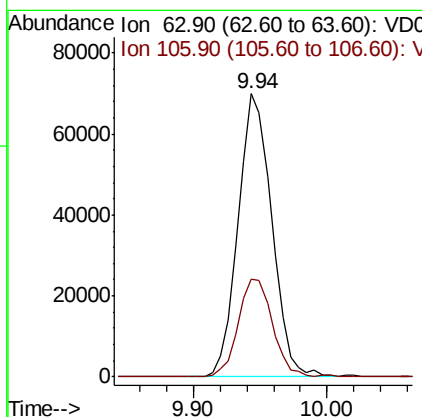
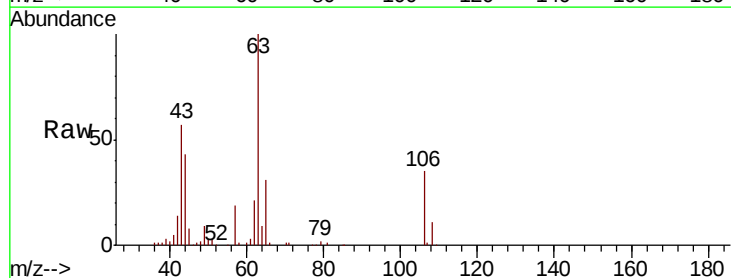
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

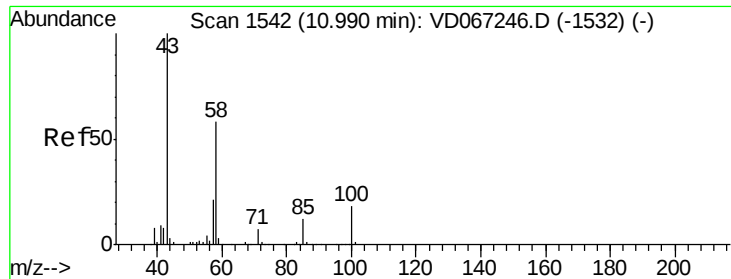
Tot Ion: 76 Resp: 72900
 Ion Ratio Lower Upper
 76 100
 78 34.4 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.517 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion: 63 Resp: 122181
 Ion Ratio Lower Upper
 63 100
 106 35.1 27.8 41.6

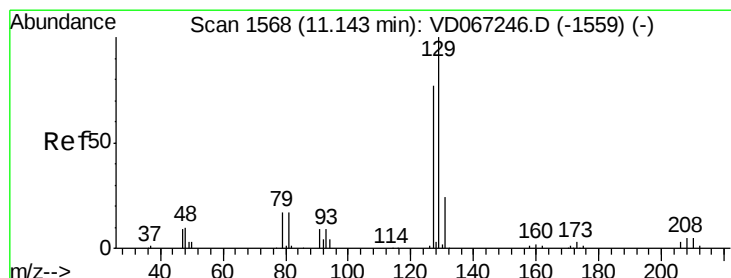
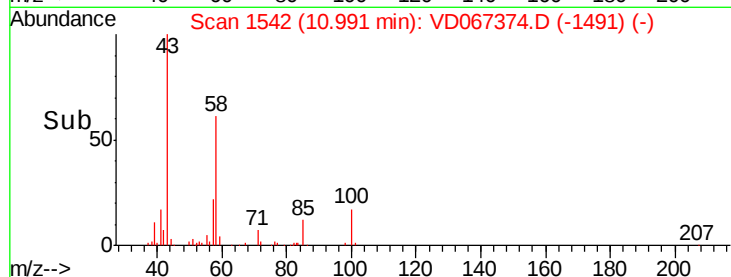
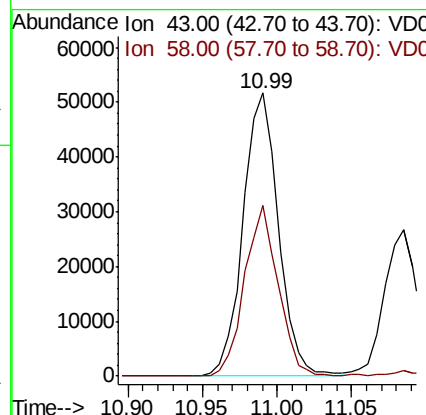
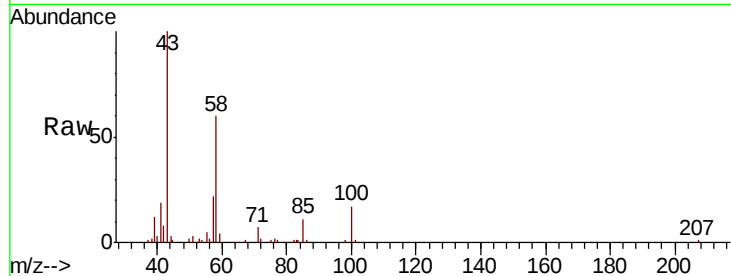




#59
2-Hexanone
Concen: 109.995 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

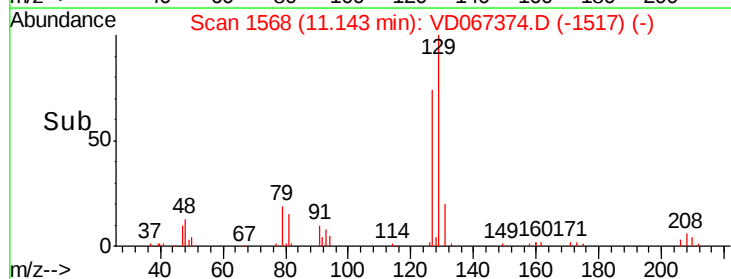
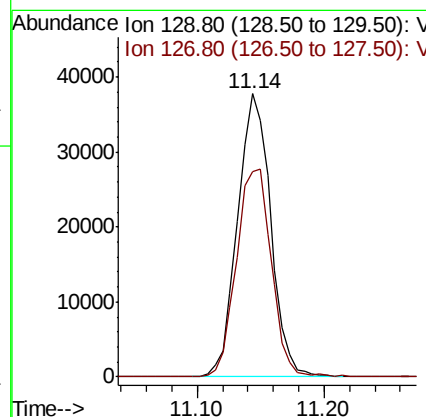
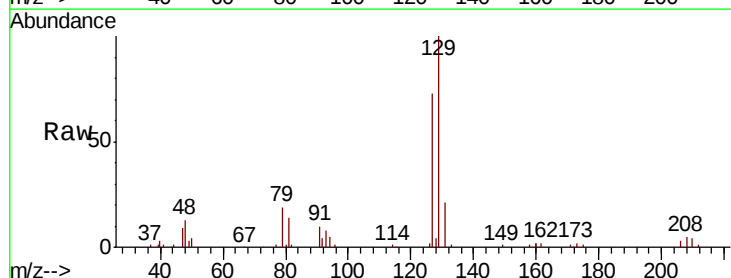
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

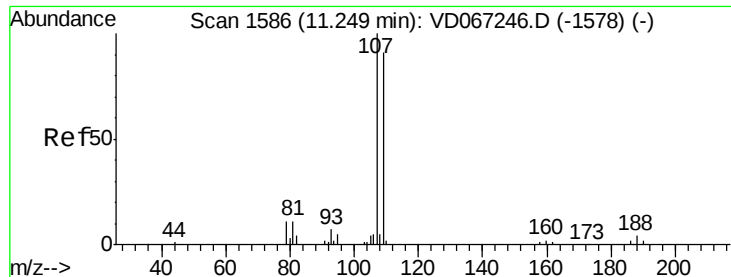
Tot Ion: 43 Resp: 84959
Ion Ratio Lower Upper
43 100
58 57.1 29.3 87.9



#60
Dibromochloromethane
Concen: 22.367 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 129 Resp: 68399
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8

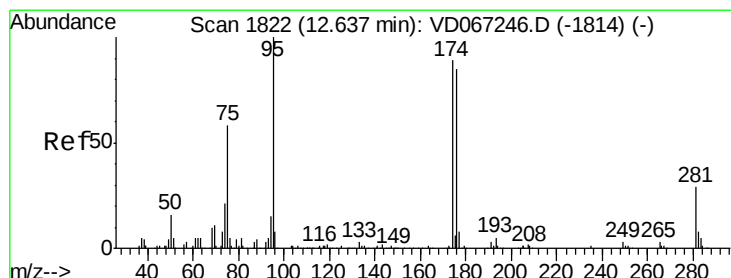
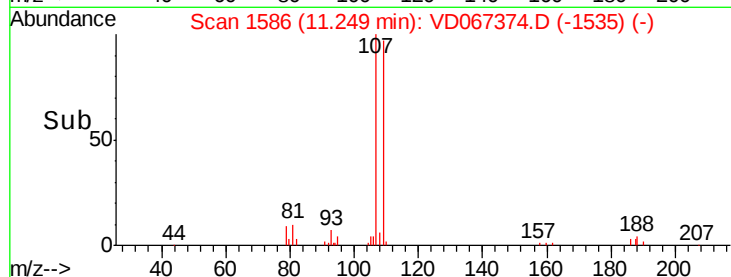
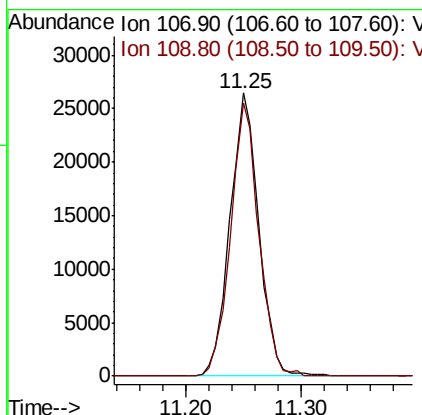
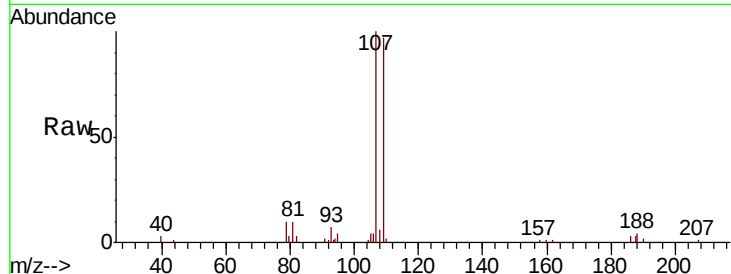




#61
 1,2-Dibromoethane
 Concen: 22.116 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

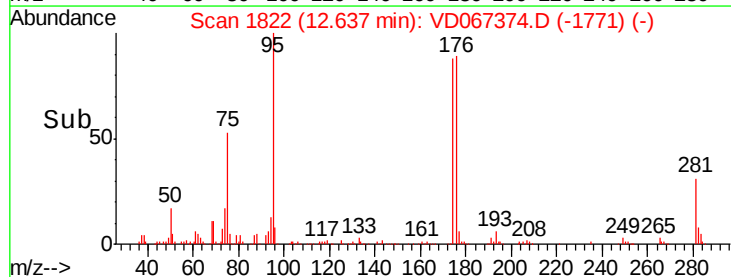
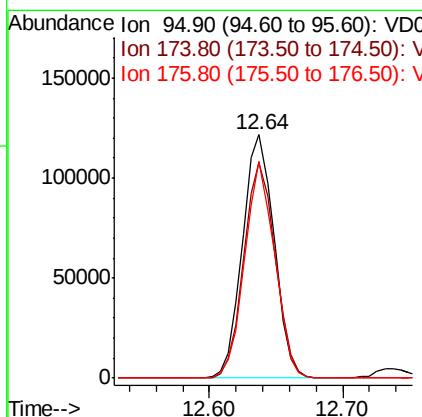
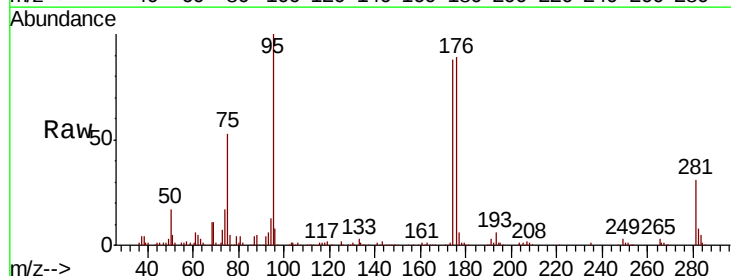
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion:107 Resp: 45720
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 51.984 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion: 95 Resp: 199386
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 175.2
 176 84.2 0.0 168.6

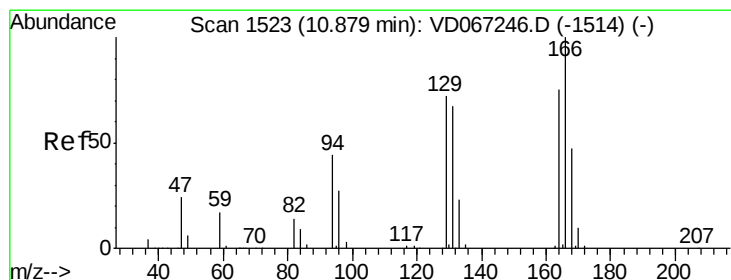
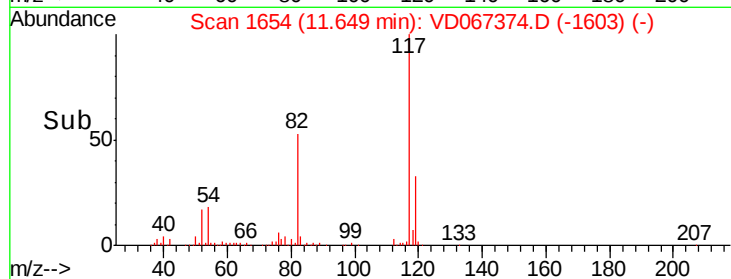
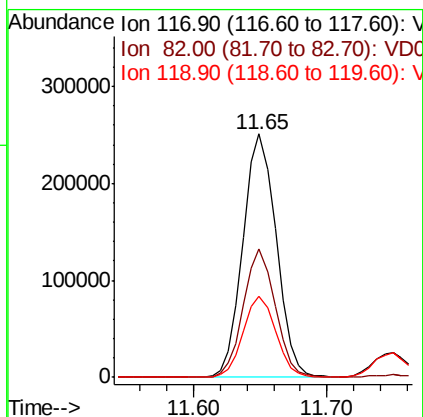
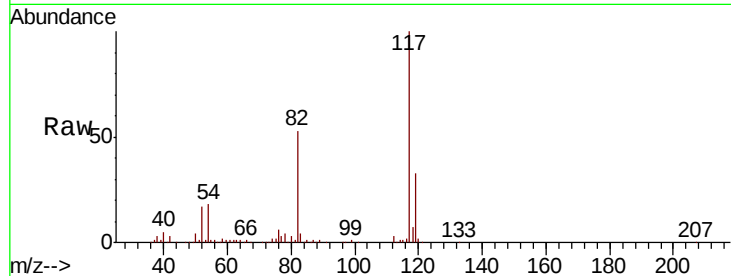




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

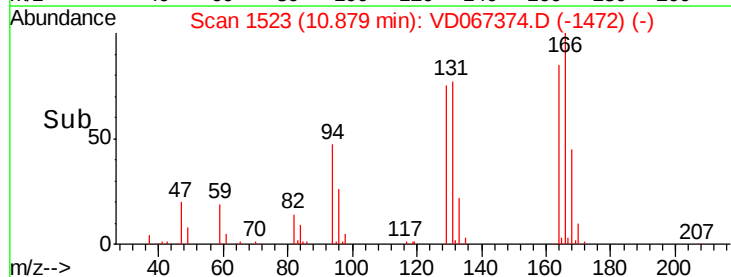
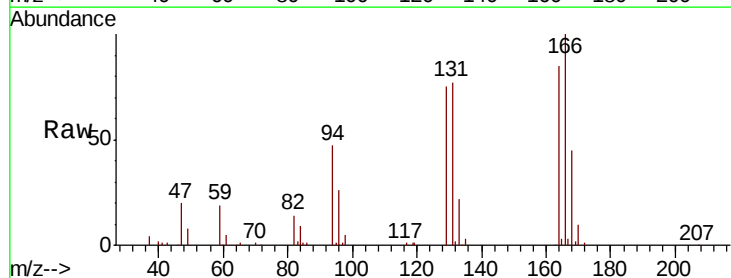
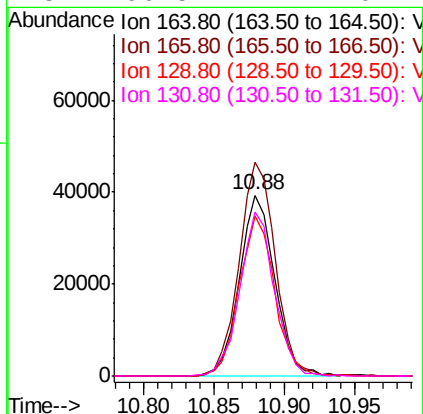
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

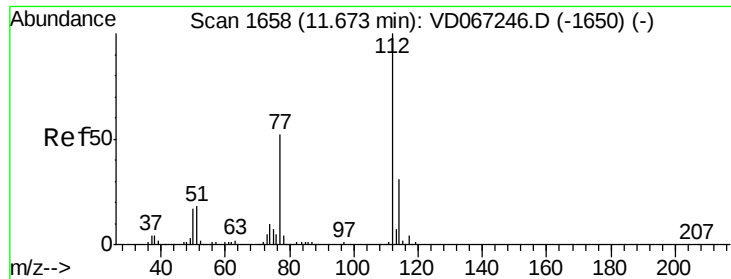
Tot Ion:117 Resp: 434449
Ion Ratio Lower Upper
117 100
82 52.5 39.9 59.9
119 33.5 24.9 37.3



#64
Tetrachloroethene
Concen: 21.903 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion:164 Resp: 68946
Ion Ratio Lower Upper
164 100
166 118.0 107.3 160.9
129 88.2 77.3 115.9
131 90.5 71.4 107.2

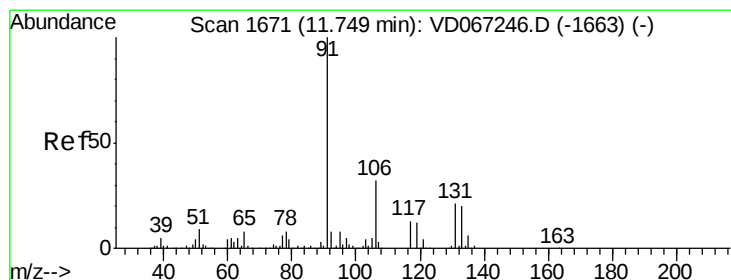
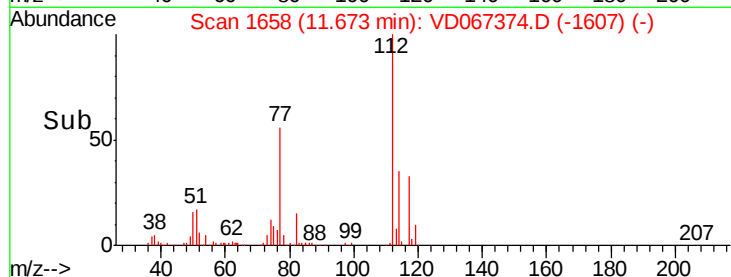
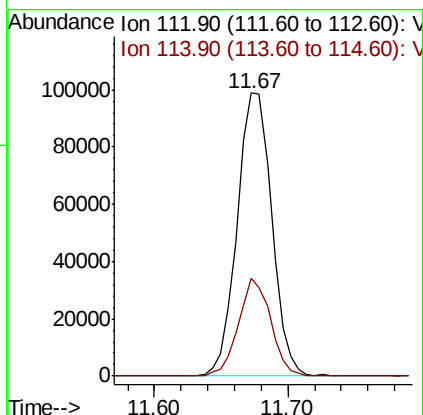
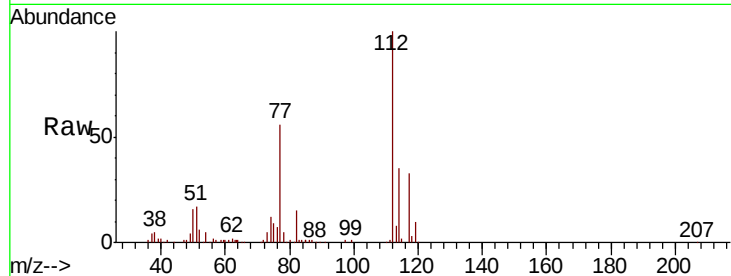




#65
Chlorobenzene
Concen: 21.348 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

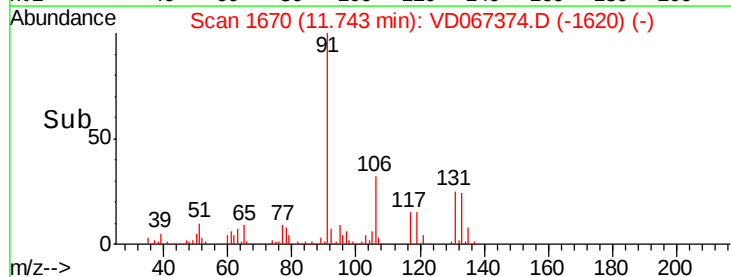
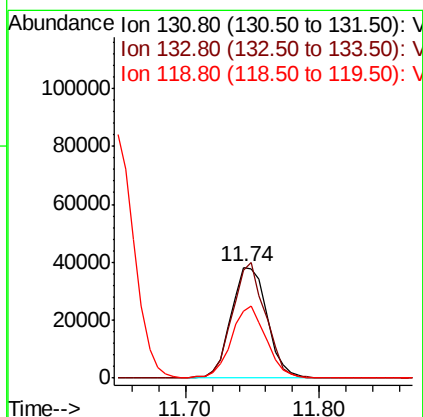
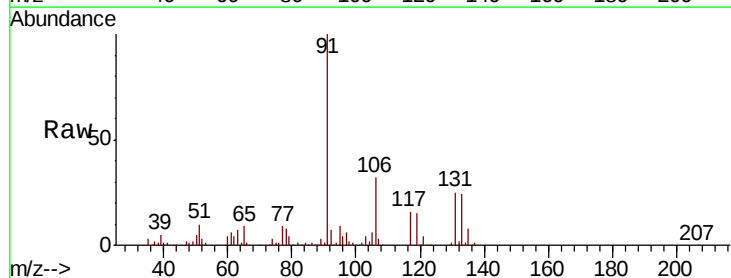
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

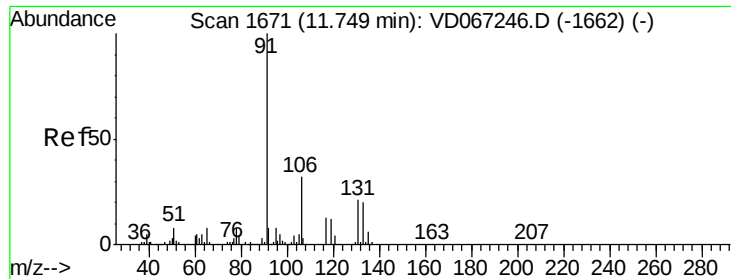
Tot Ion:112 Resp: 177850
Ion Ratio Lower Upper
112 100
114 34.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.641 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion:131 Resp: 71656
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.3
119 62.3 30.0 90.0

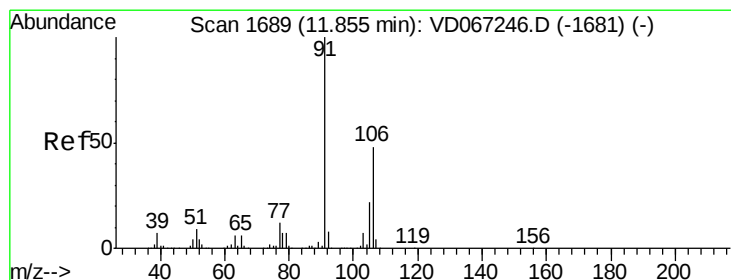
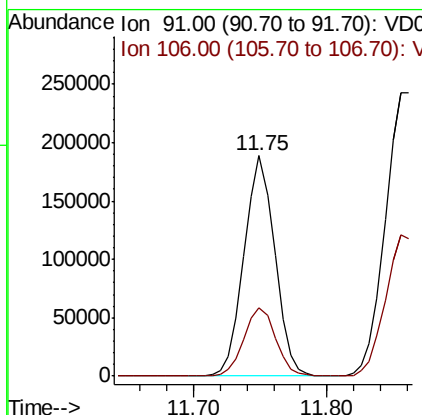
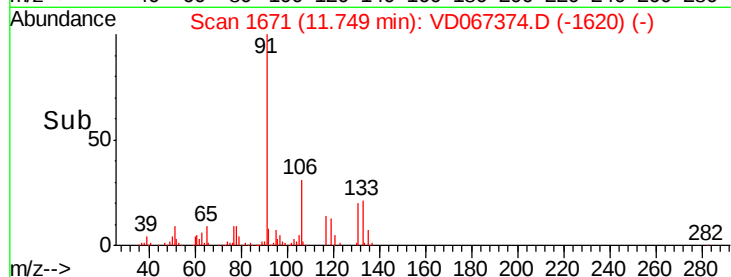
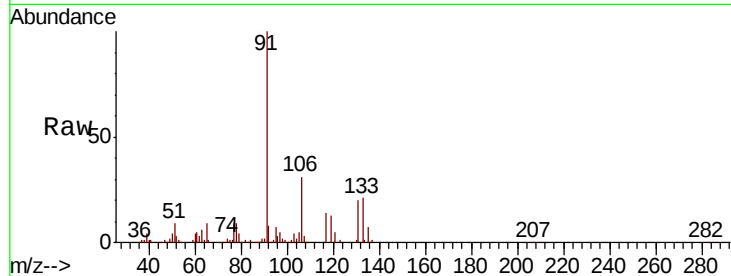




#67
Ethyl Benzene
Concen: 21.125 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

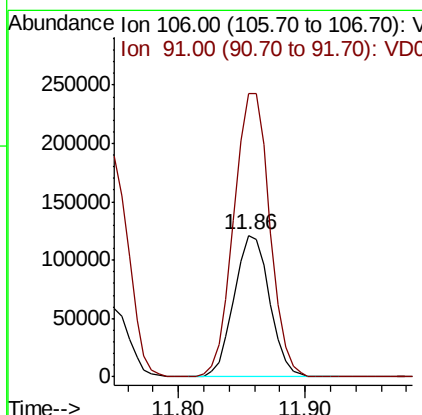
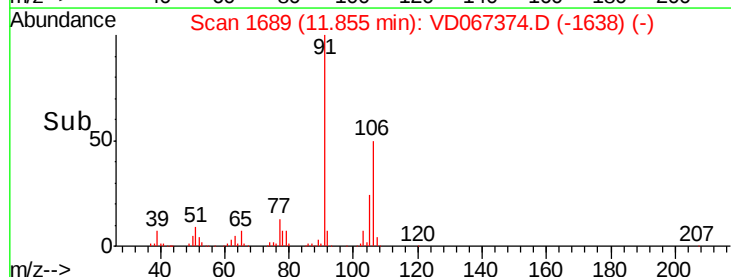
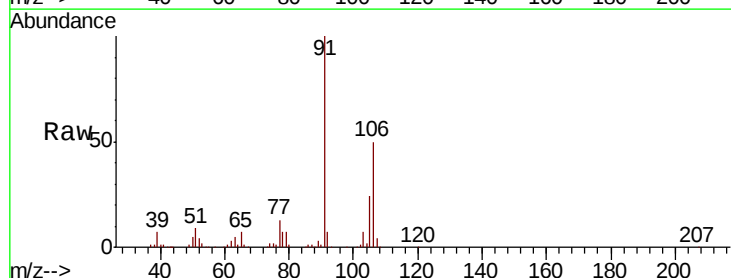
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

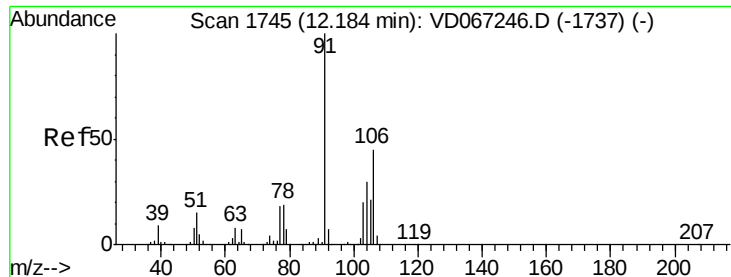
Tot Ion: 91 Resp: 301684
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0



#68
m/p-Xylenes
Concen: 42.941 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 106 Resp: 236147
Ion Ratio Lower Upper
106 100
91 202.1 163.8 245.8

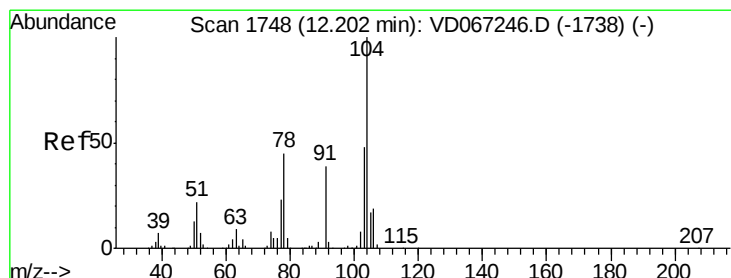
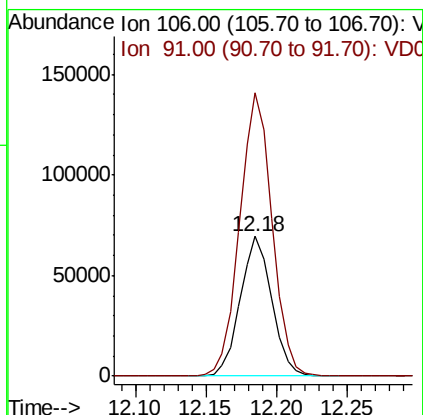
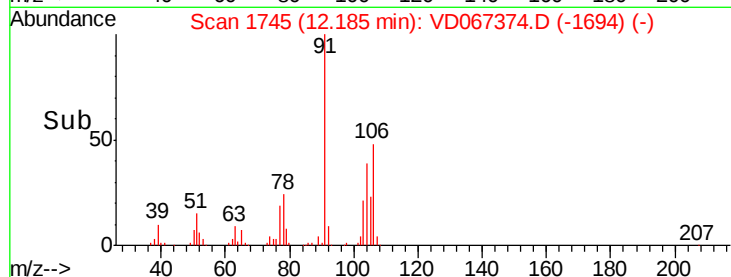
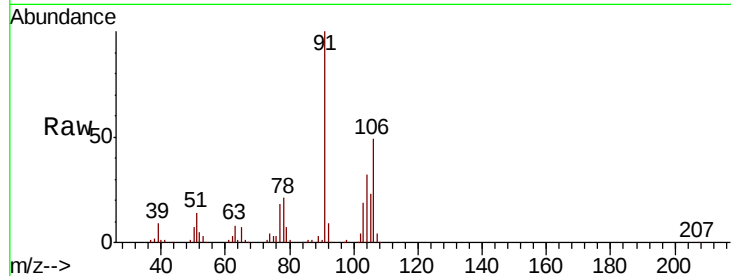




#69
o-Xylene
Concen: 21.323 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

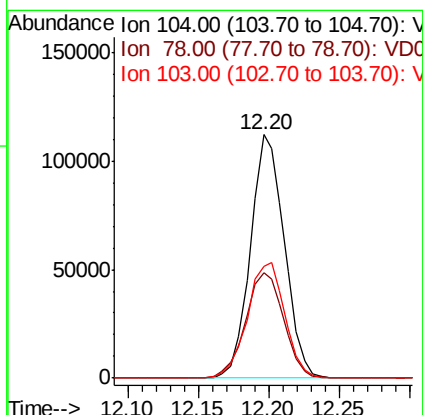
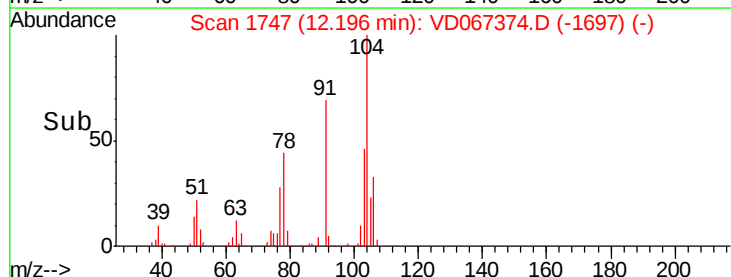
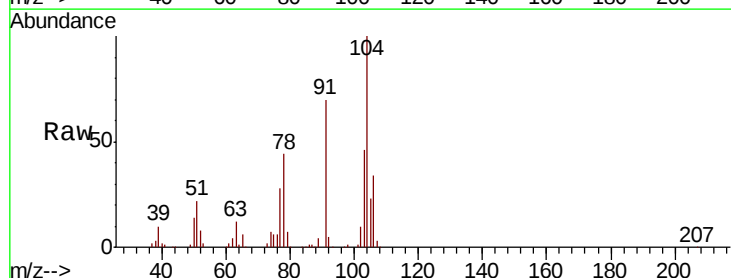
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

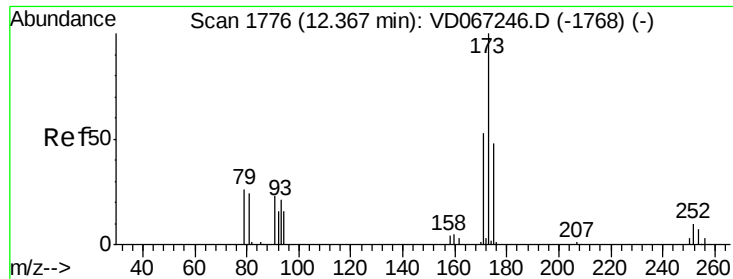
Tot Ion:106 Resp: 108585
Ion Ratio Lower Upper
106 100
91 207.9 109.1 327.3



#70
Styrene
Concen: 21.557 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion:104 Resp: 188976
Ion Ratio Lower Upper
104 100
78 48.9 39.8 59.6
103 52.3 42.6 64.0





#71

Bromoform

Concen: 21.422 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

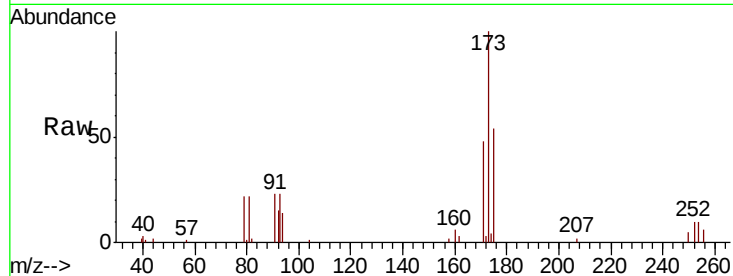
Tot Ion:173 Resp: 38106

Ion Ratio Lower Upper

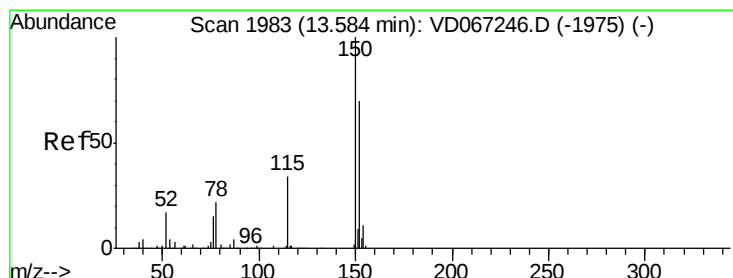
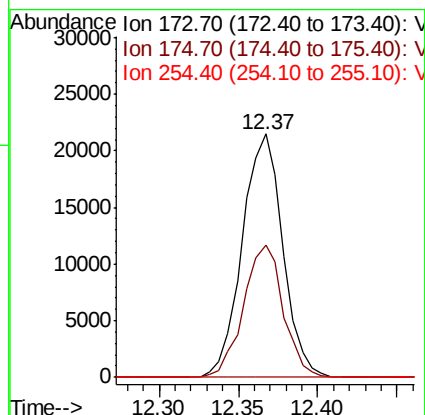
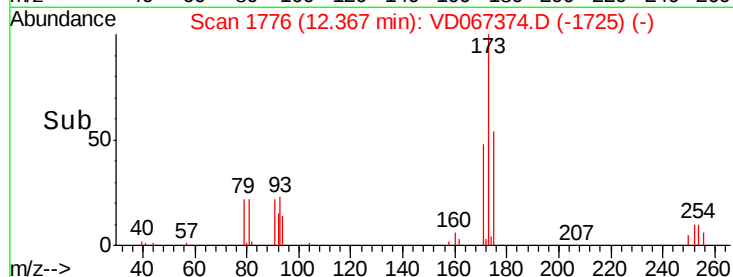
173 100

175 53.2 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

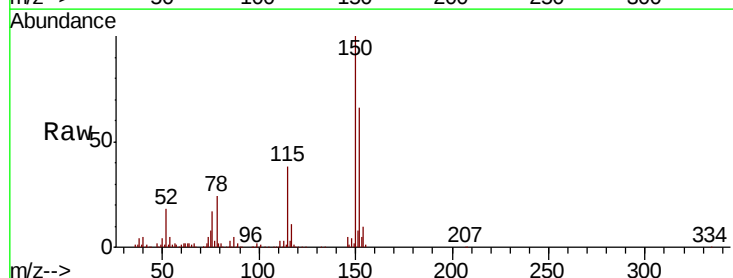
Tgt Ion:152 Resp: 217309

Ion Ratio Lower Upper

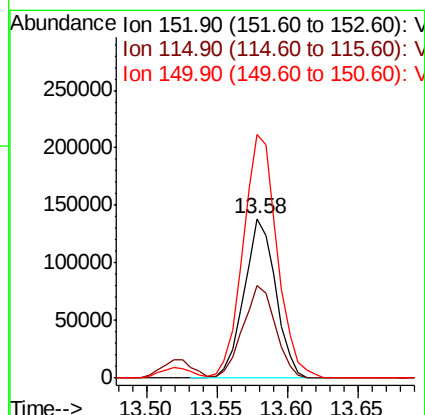
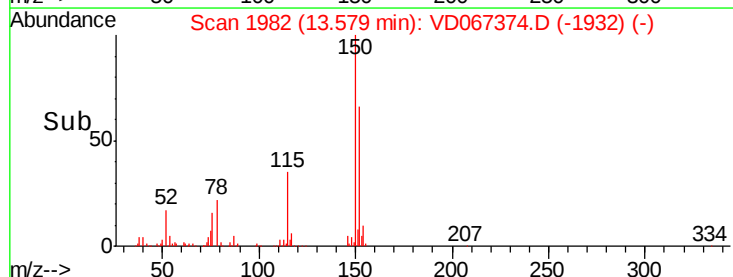
152 100

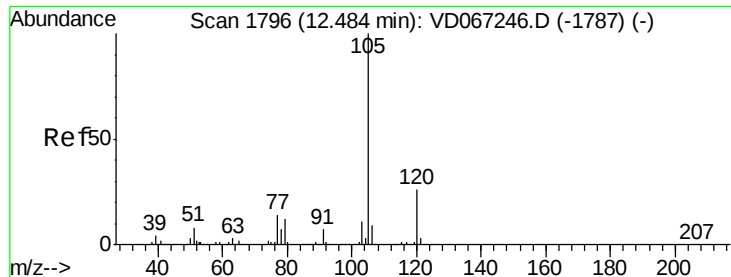
115 59.9 29.3 87.9

150 164.6 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.837 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

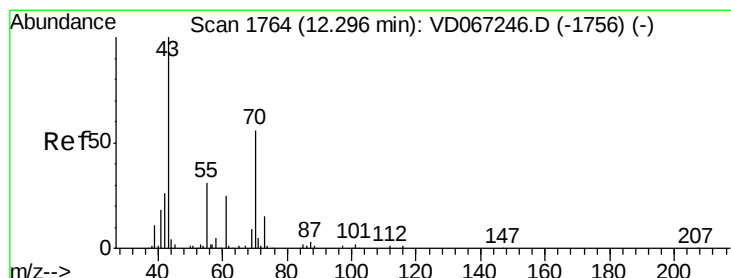
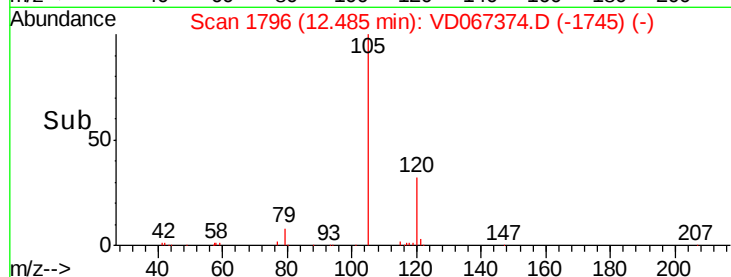
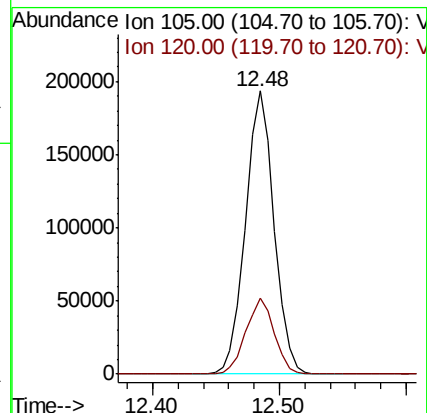
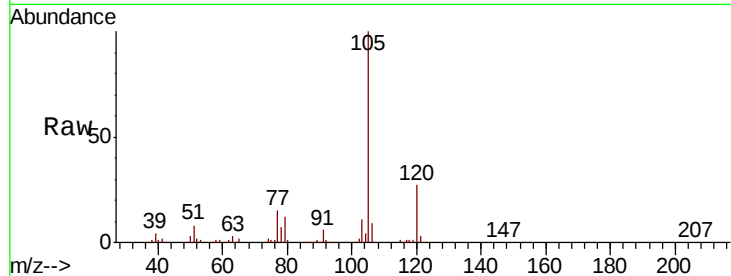
VD1023SBS01

Tot Ion:105 Resp: 301173

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 21.400 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion: 43 Resp: 44577

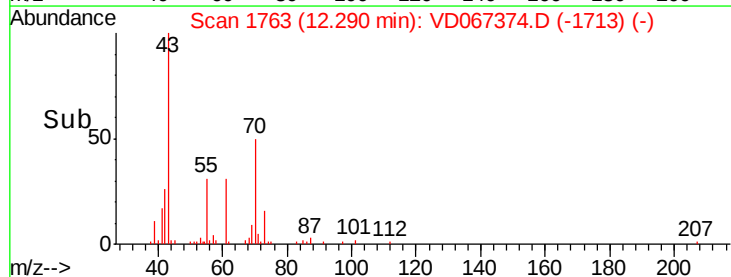
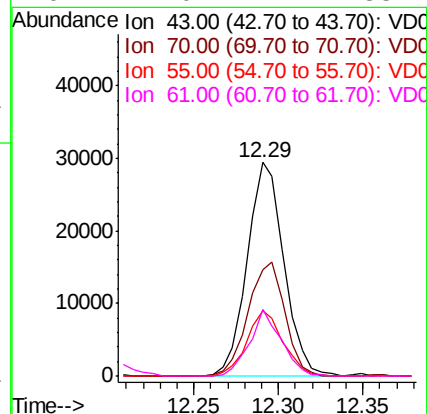
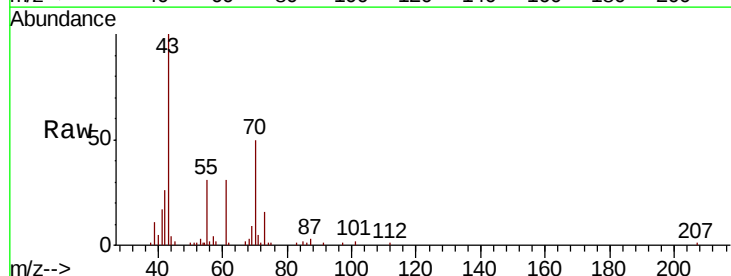
Ion Ratio Lower Upper

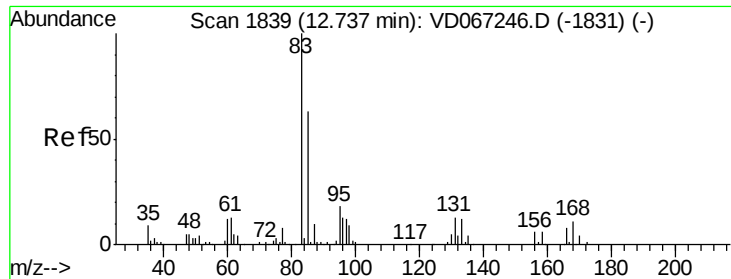
43 100

70 53.5 42.7 64.1

55 30.3 24.0 36.0

61 27.0 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.590 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

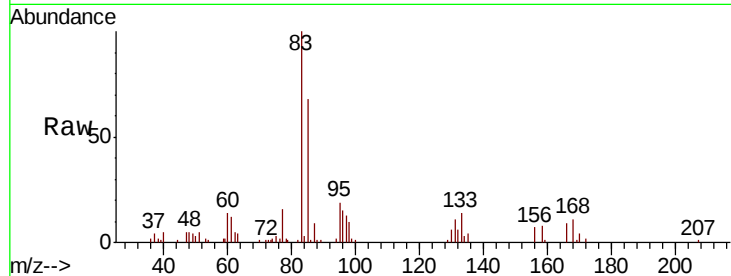
Tot Ion: 83 Resp: 45624

Ion Ratio Lower Upper

83 100

131 14.3 6.5 19.5

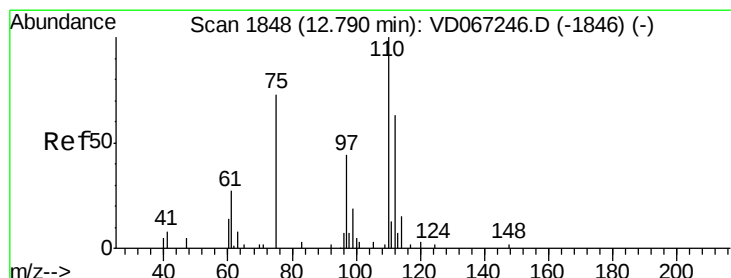
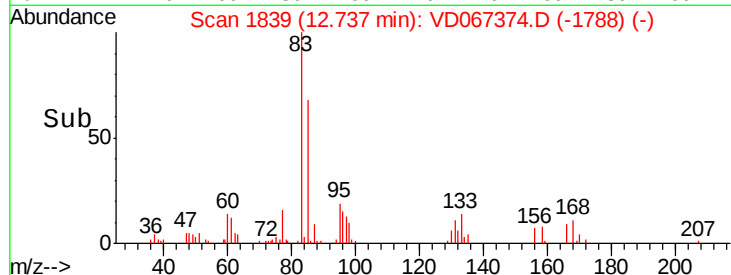
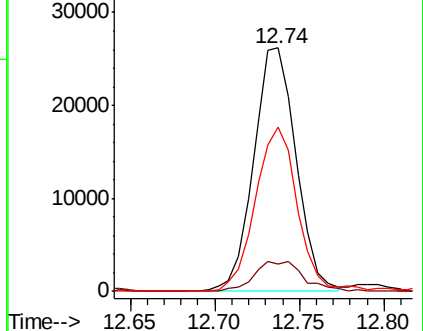
85 68.1 32.6 97.7



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: 42.142 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067374.D

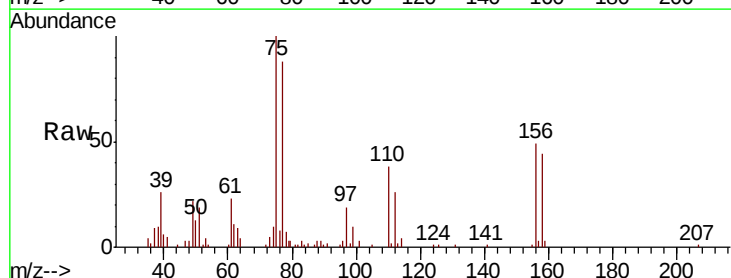
Acq: 23 Oct 2020 11:36

Tgt Ion: 75 Resp: 63472

Ion Ratio Lower Upper

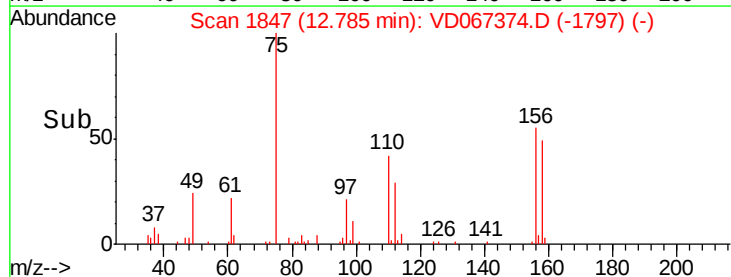
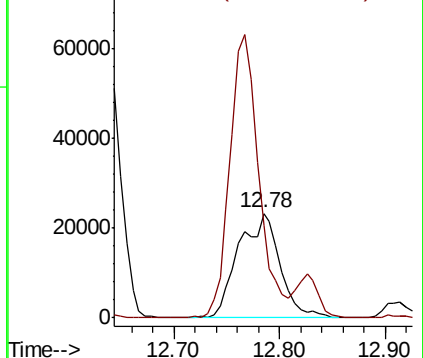
75 100

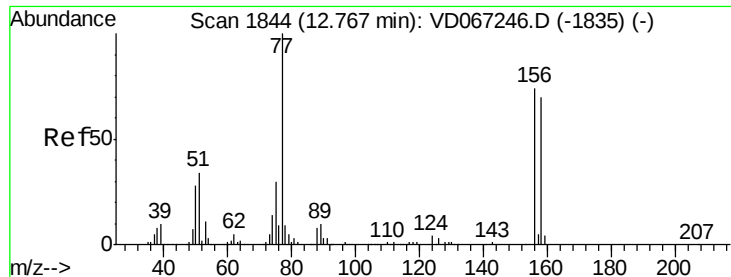
77 188.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.970 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

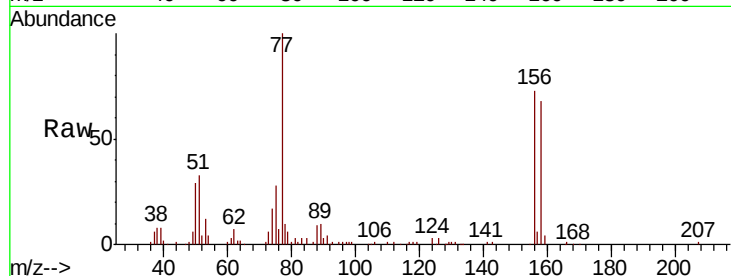
Tot Ion:156 Resp: 75544

Ion Ratio Lower Upper

156 100

77 158.3 78.0 233.8

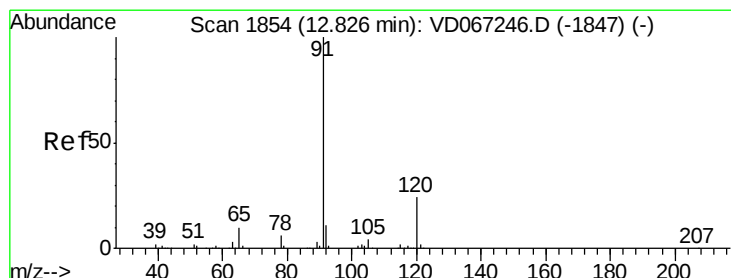
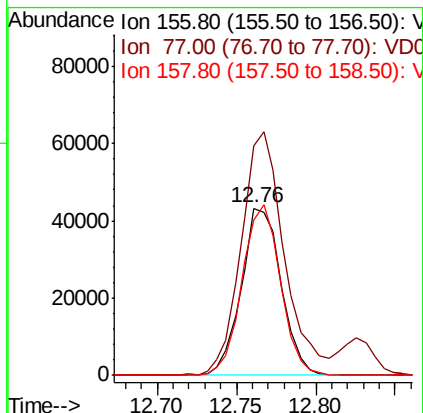
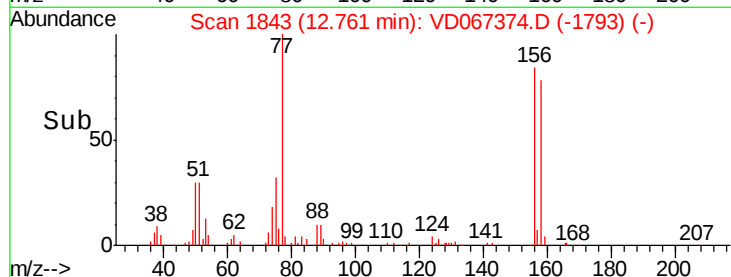
158 98.2 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.607 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067374.D

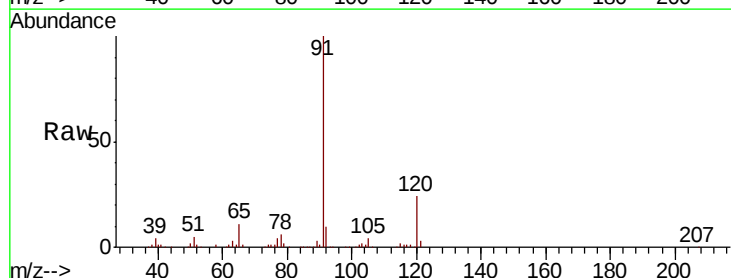
Acq: 23 Oct 2020 11:36

Tgt Ion: 91 Resp: 345266

Ion Ratio Lower Upper

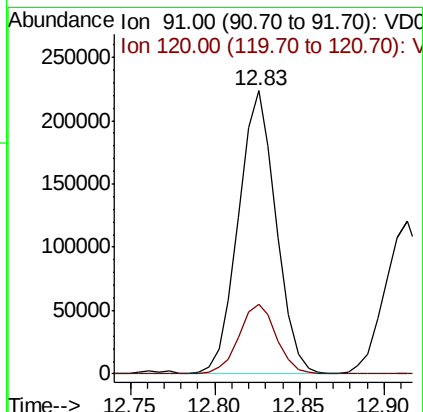
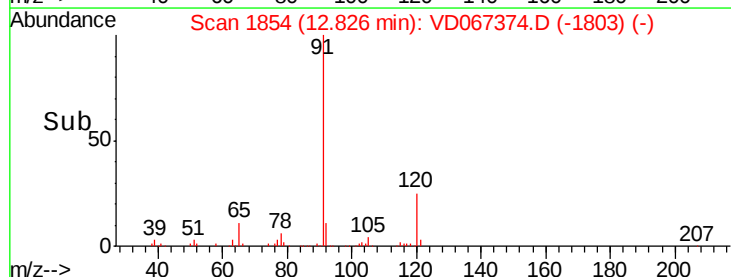
91 100

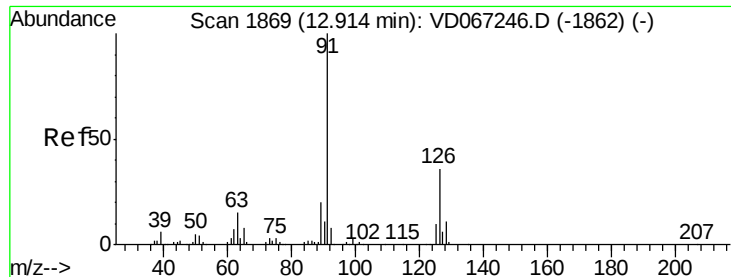
120 24.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.516 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

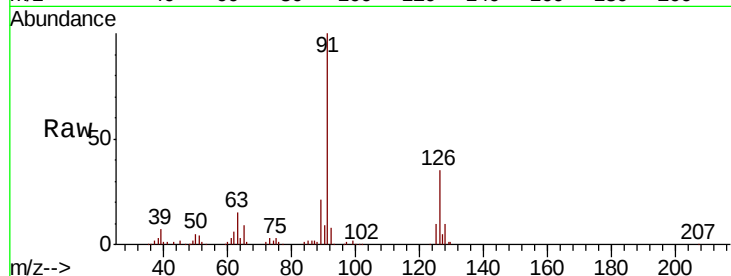
VD1023SBS01

Tot Ion: 91 Resp: 199391

Ion Ratio Lower Upper

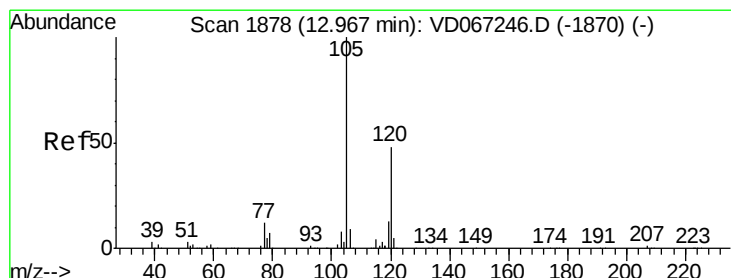
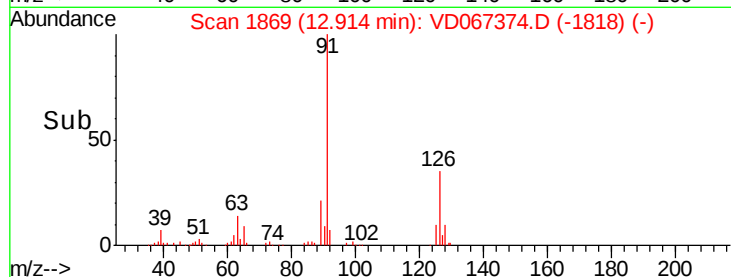
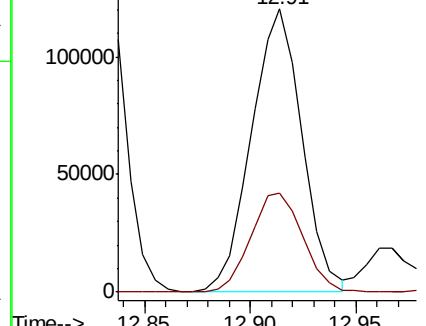
91 100

126 36.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.715 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067374.D

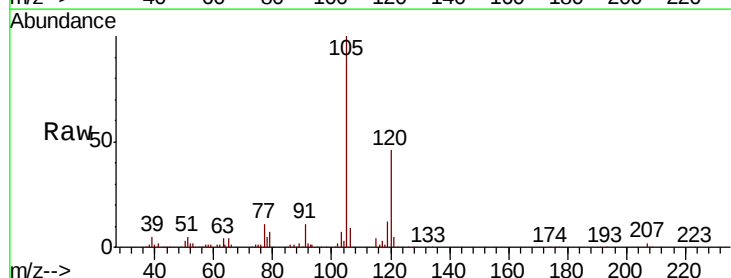
Acq: 23 Oct 2020 11:36

Tgt Ion:105 Resp: 260258

Ion Ratio Lower Upper

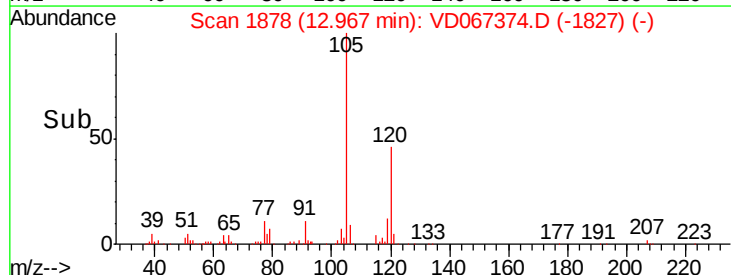
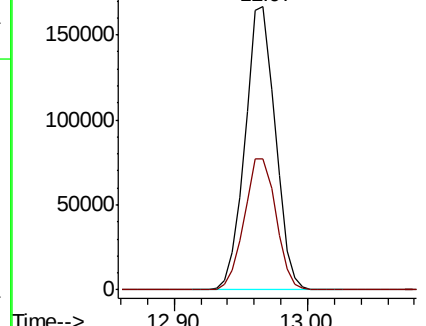
105 100

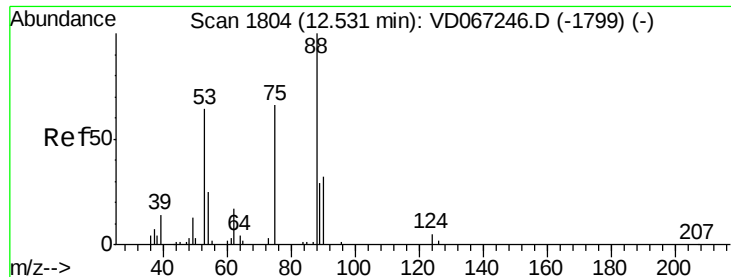
120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.952 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

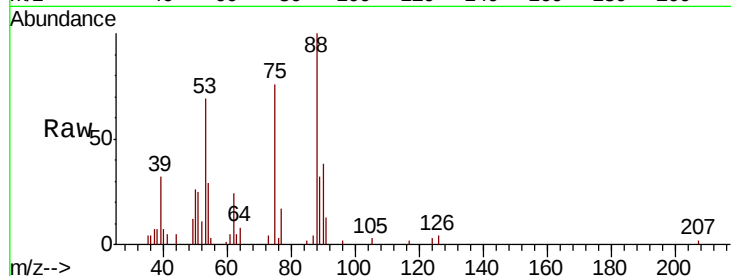
Tot Ion: 75 Resp: 14580

Ion Ratio Lower Upper

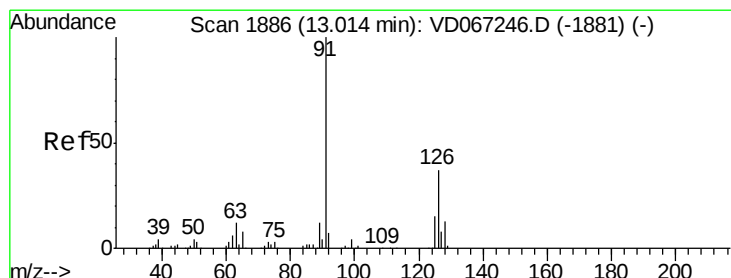
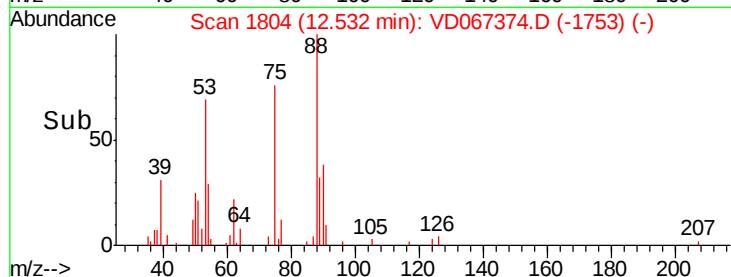
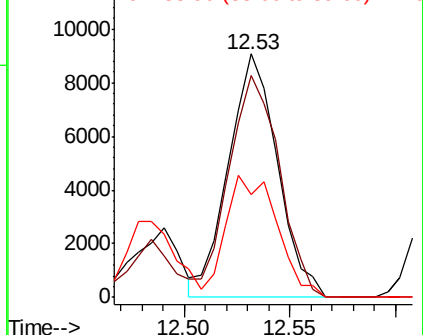
75 100

53 93.1 78.5 117.7

89 51.9 39.9 59.9



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: 22.065 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067374.D

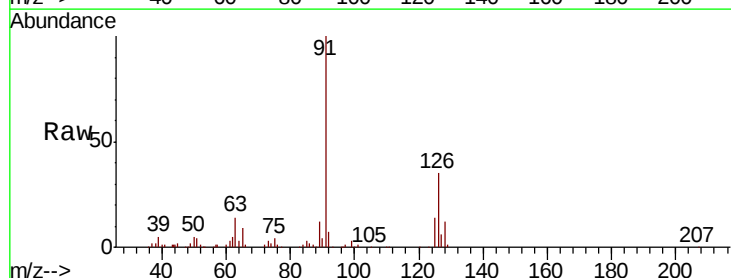
Acq: 23 Oct 2020 11:36

Tgt Ion: 91 Resp: 217017

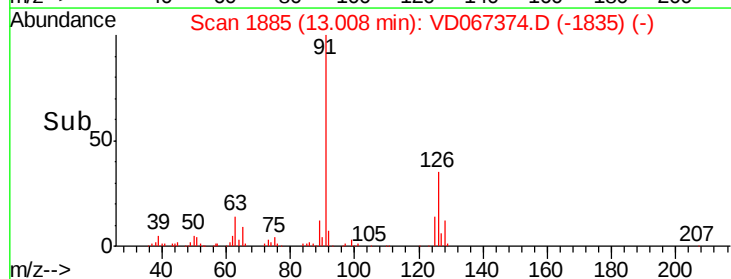
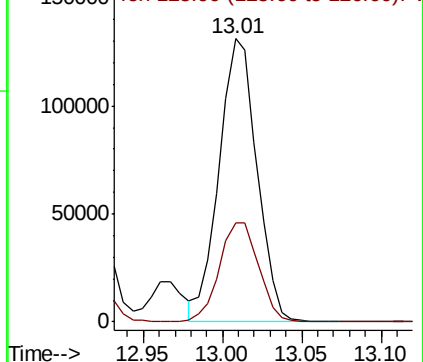
Ion Ratio Lower Upper

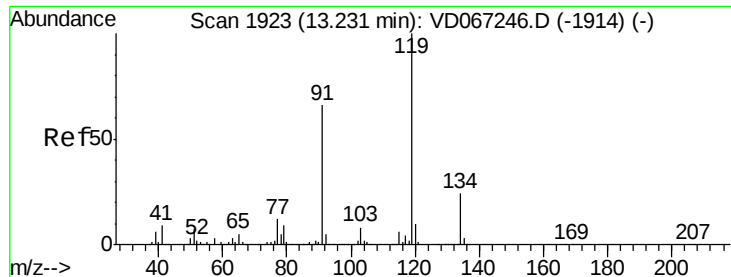
91 100

126 36.1 17.8 53.5



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

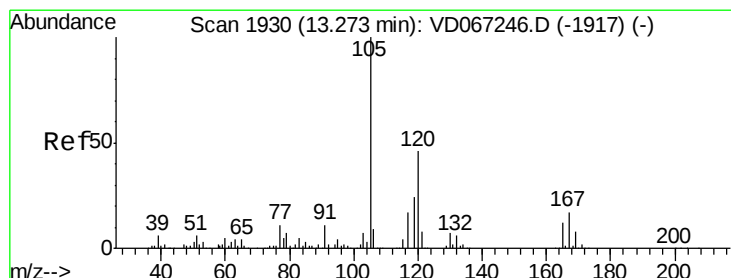
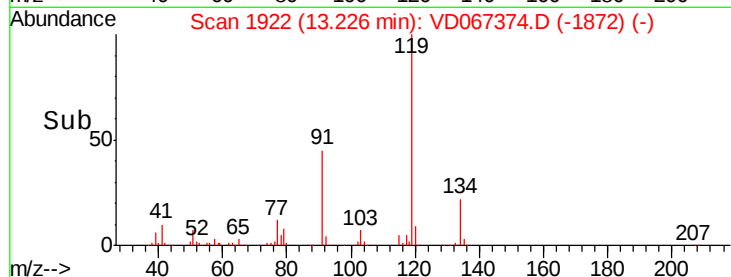
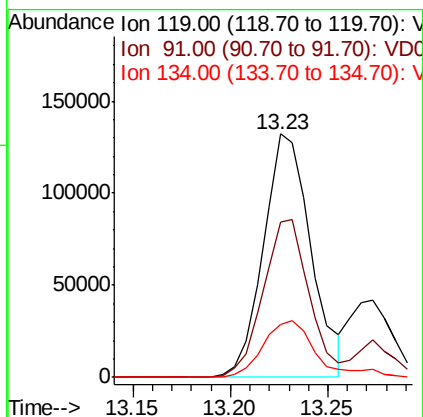
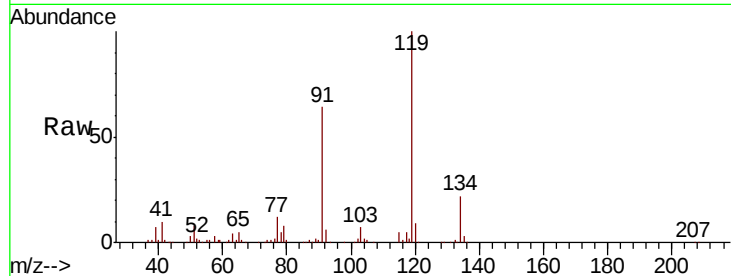




#83
tert-Butylbenzene
Concen: 22.053 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

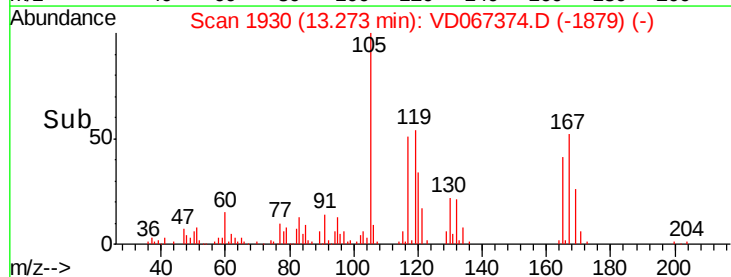
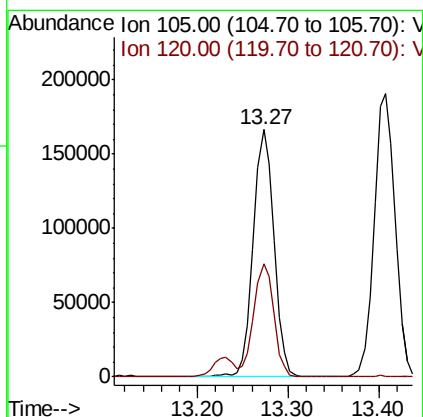
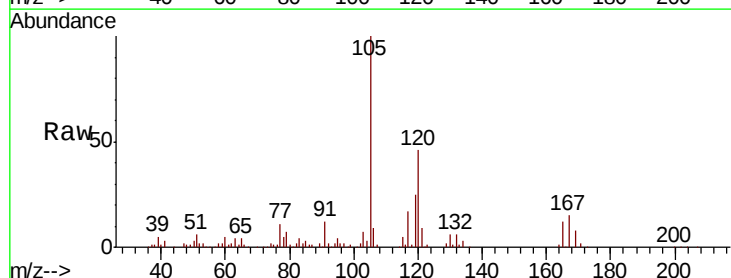
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

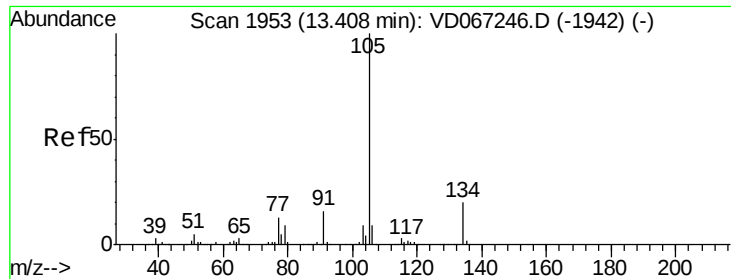
Tot Ion:119 Resp: 223266
Ion Ratio Lower Upper
119 100
91 62.7 33.1 99.2
134 26.0 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 22.295 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion:105 Resp: 264102
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 21.916 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

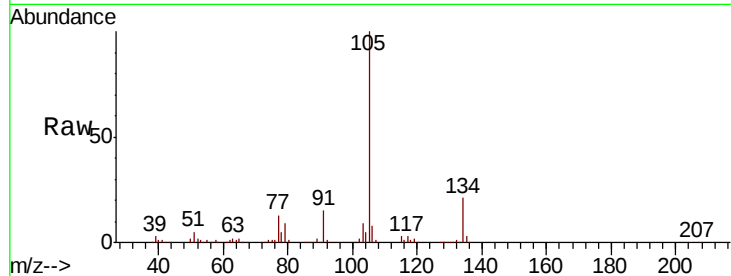
VD1023SBSD01

Tot Ion:105 Resp: 304453

Ion Ratio Lower Upper

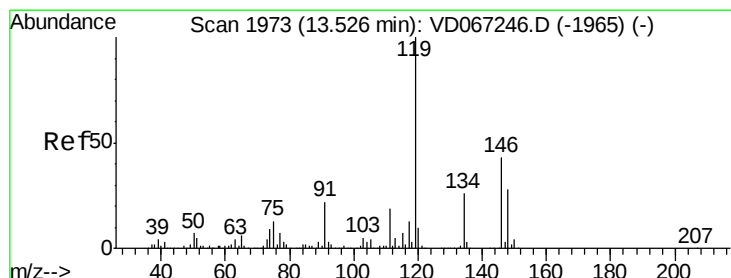
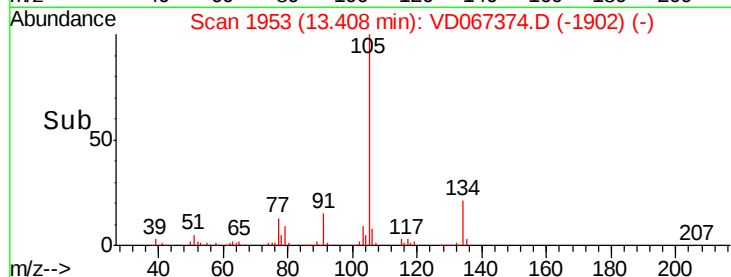
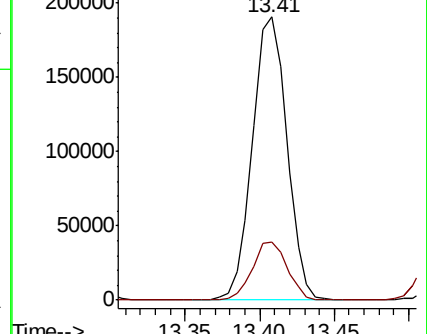
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.075 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

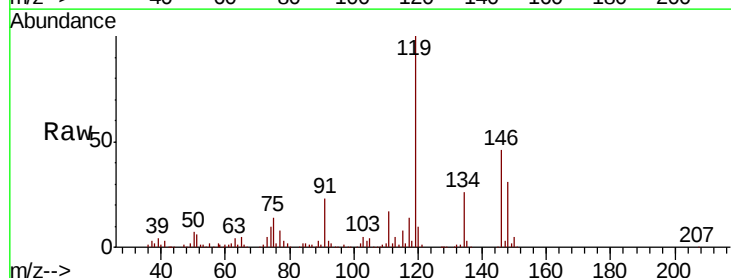
Tgt Ion:119 Resp: 289445

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

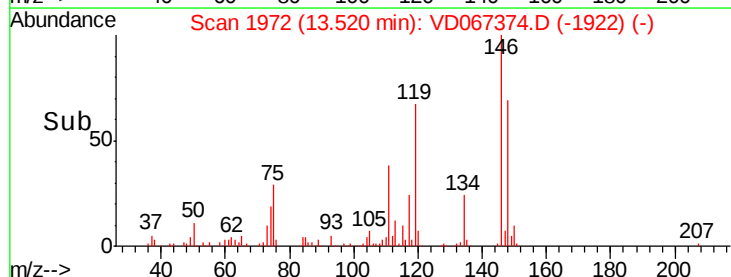
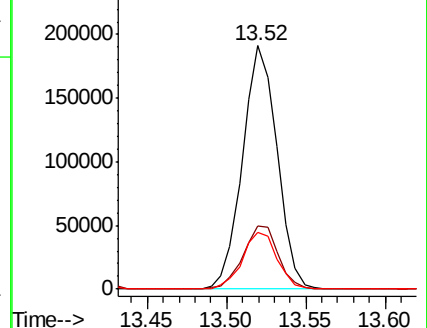
91 23.6 11.9 35.9

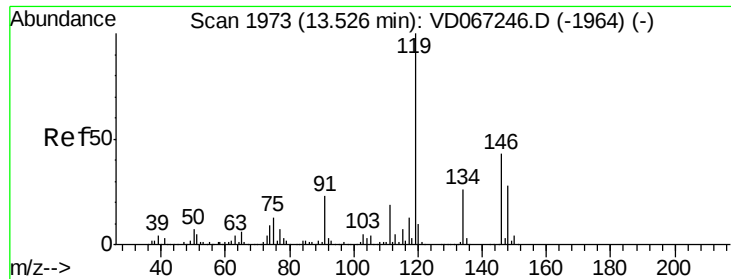


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

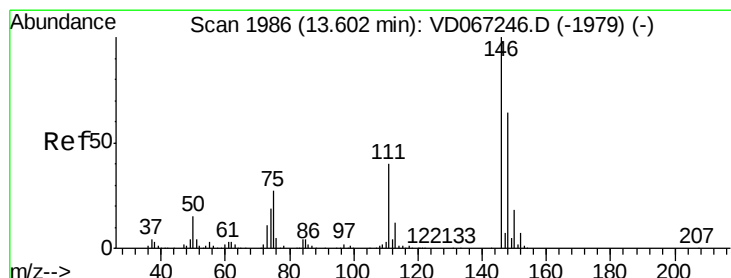
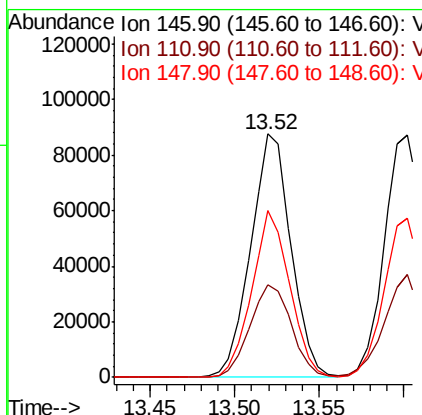
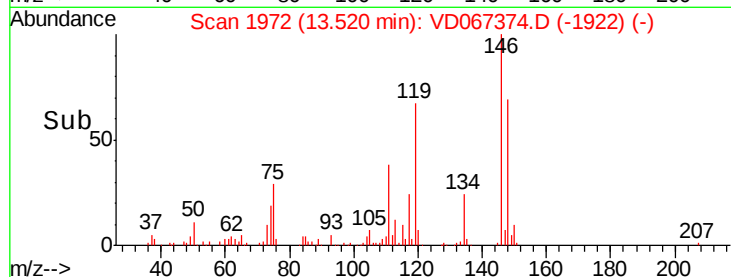
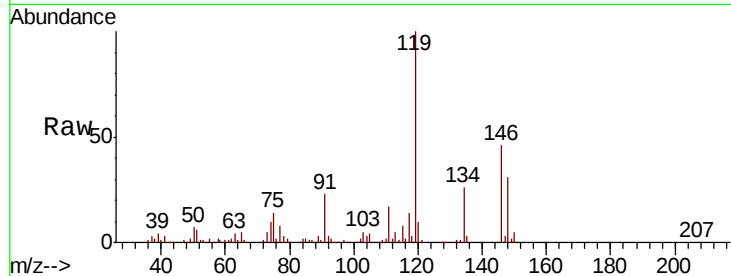




#87
 1,3-Dichlorobenzene
 Concen: 21.861 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

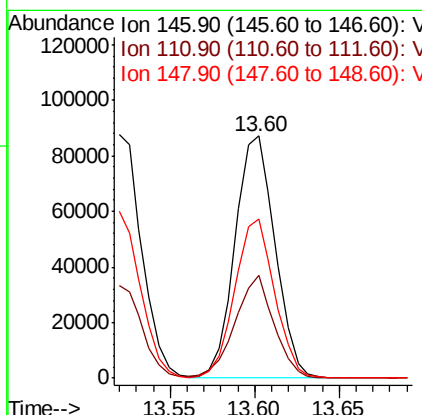
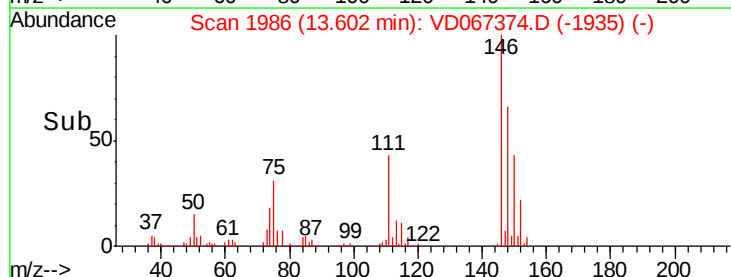
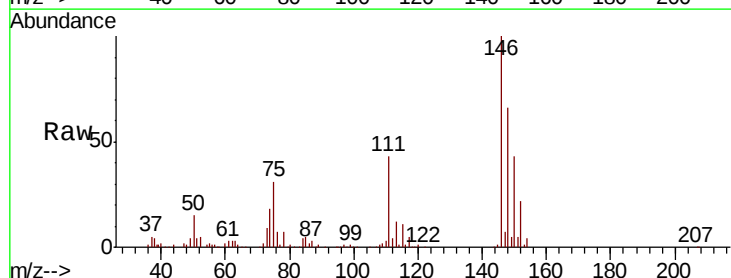
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

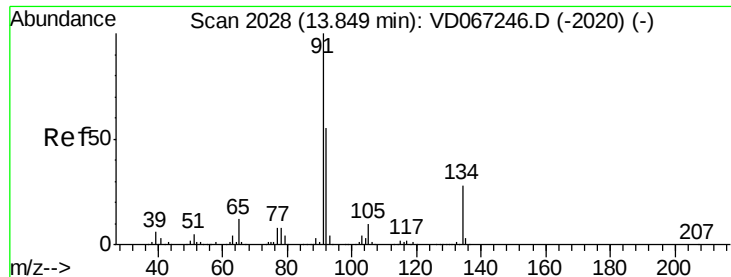
Tot Ion:146 Resp: 144684
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.1 63.3
 148 64.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.934 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion:146 Resp: 143825
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.9 59.7
 148 65.4 31.9 95.9

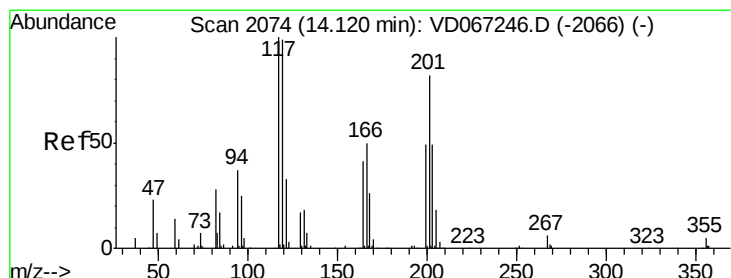
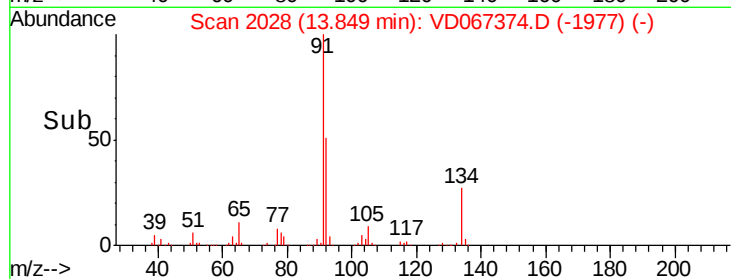
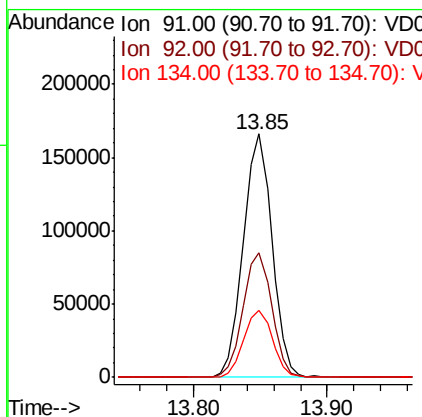
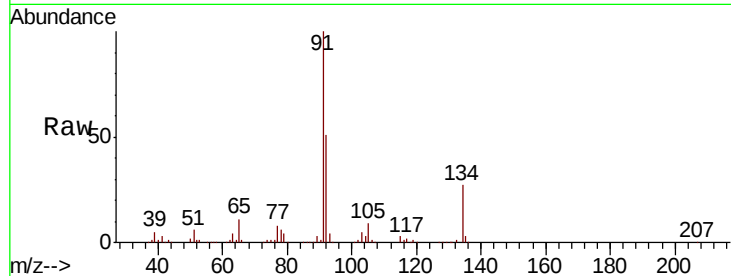




#89
n-Butylbenzene
Concen: 21.396 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

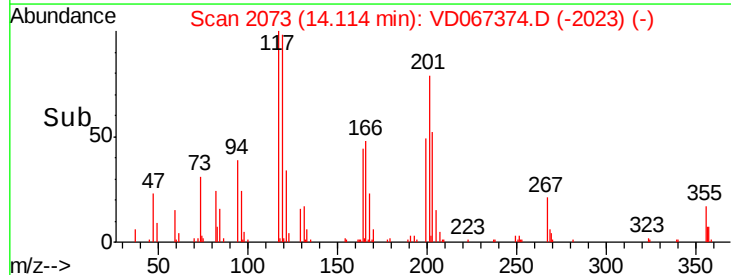
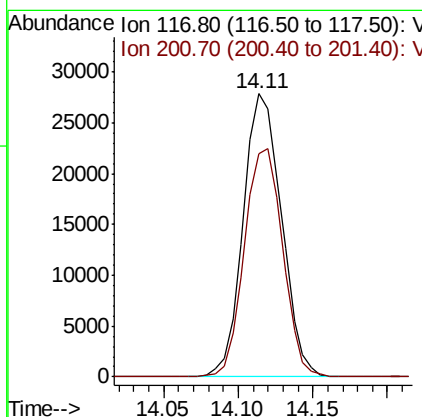
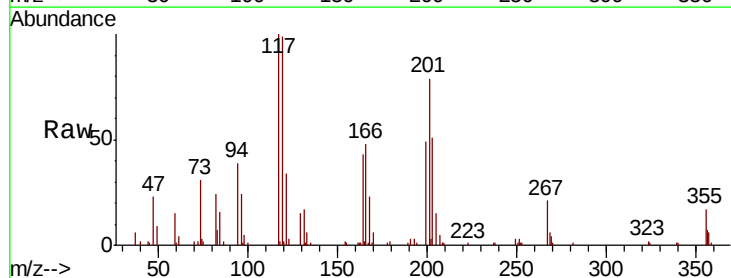
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

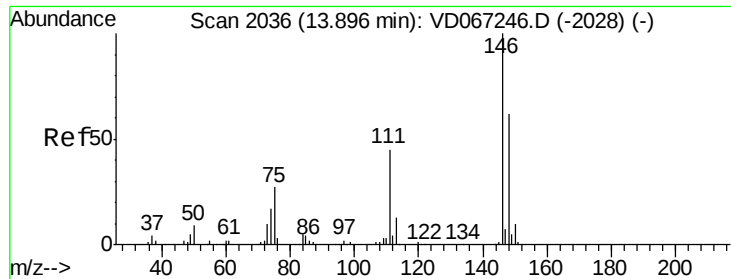
Tot Ion: 91 Resp: 246805
Ion Ratio Lower Upper
91 100
92 51.2 26.7 80.0
134 27.6 14.2 42.6



#90
Hexachloroethane
Concen: 21.619 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 117 Resp: 49466
Ion Ratio Lower Upper
117 100
201 80.4 40.8 122.2

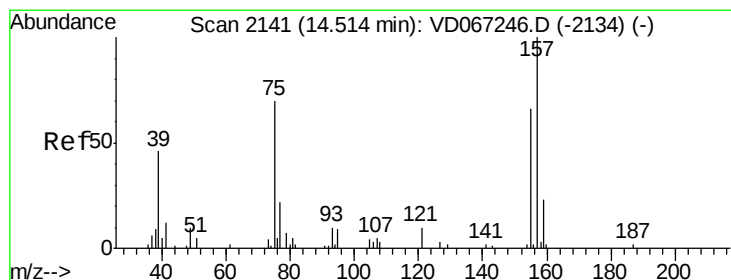
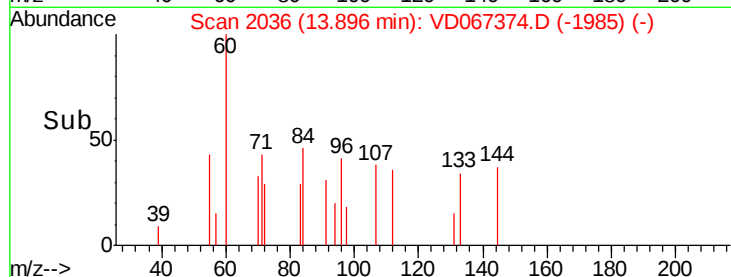
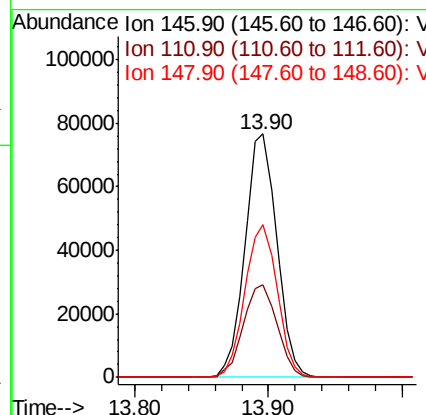
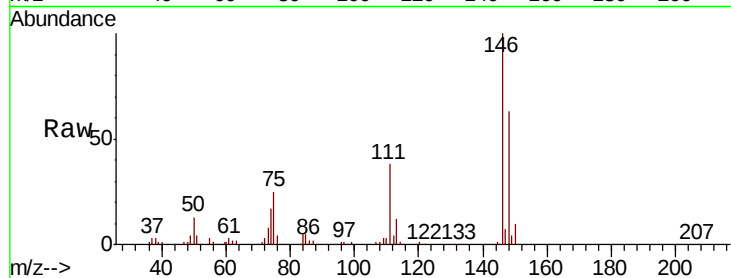




#91
 1,2-Dichlorobenzene
 Concen: 21.850 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

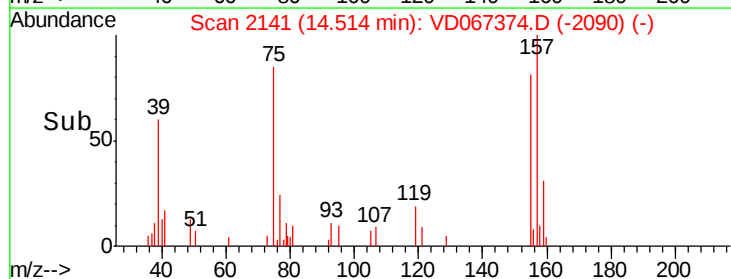
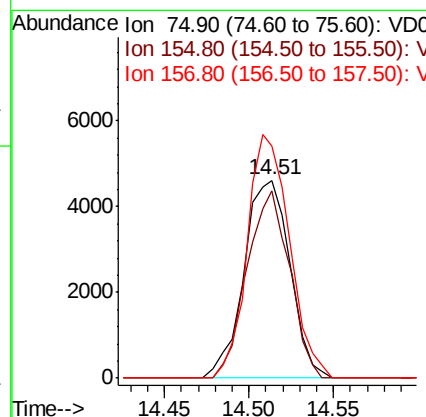
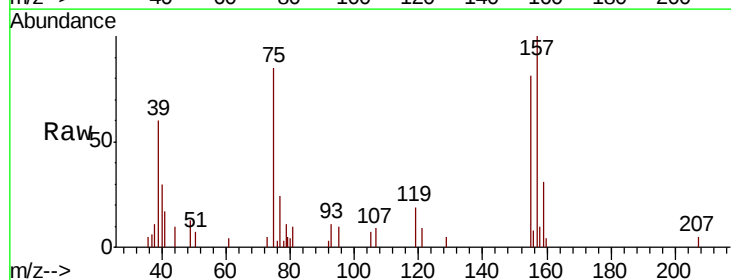
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

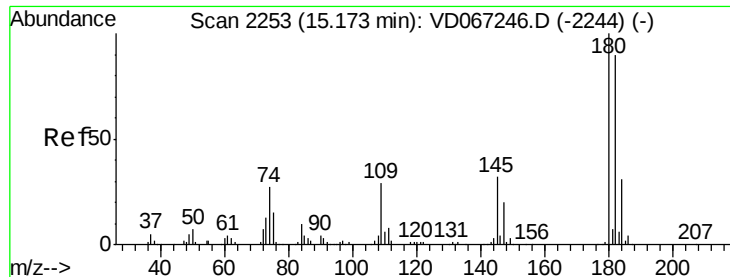
Tot Ion:146 Resp: 126327
 Ion Ratio Lower Upper
 146 100
 111 40.5 22.0 66.0
 148 63.6 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.698 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion: 75 Resp: 8714
 Ion Ratio Lower Upper
 75 100
 155 87.5 44.8 134.4
 157 113.3 62.5 187.4

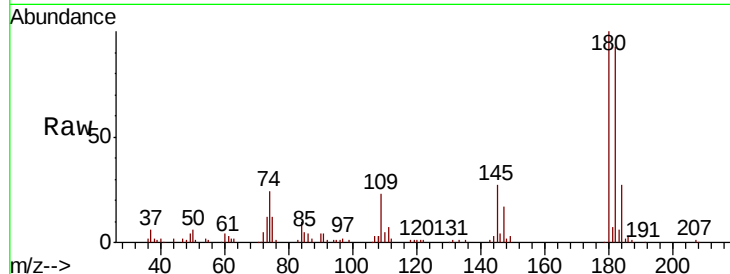




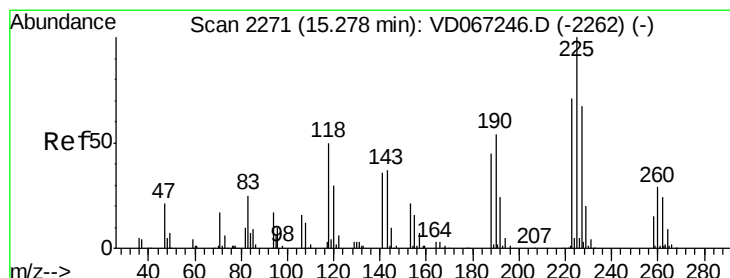
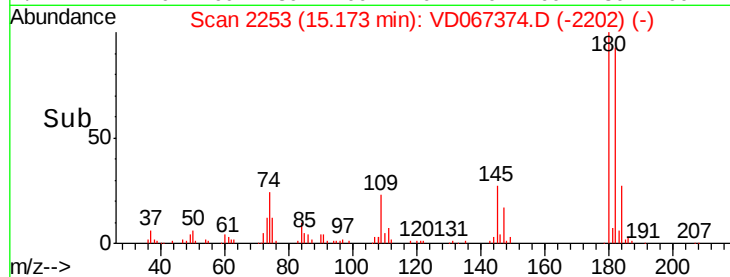
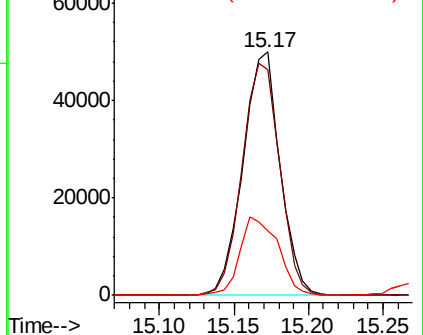
#93
 1,2,4-Trichlorobenzene
 Concen: 21.994 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.4
145	33.3	16.3	48.9

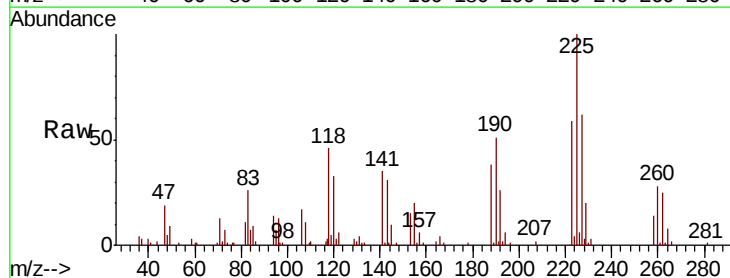


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

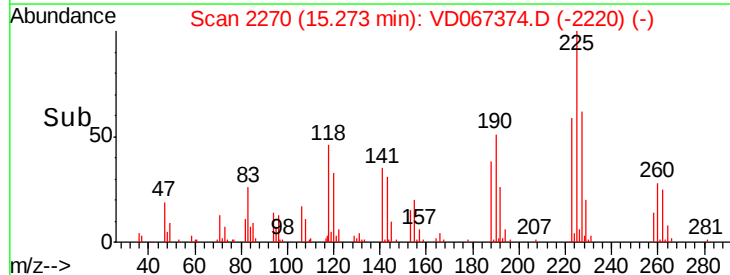
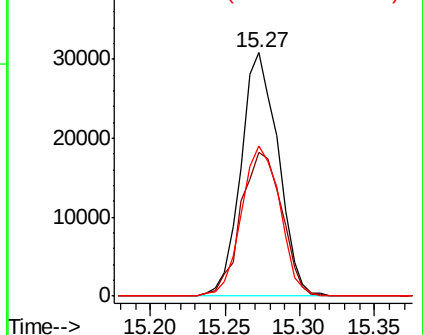


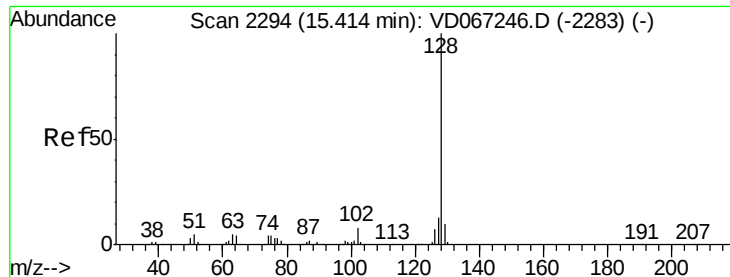
#94
 Hexachlorobutadiene
 Concen: 22.035 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.7
227	63.7	31.2	93.6



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

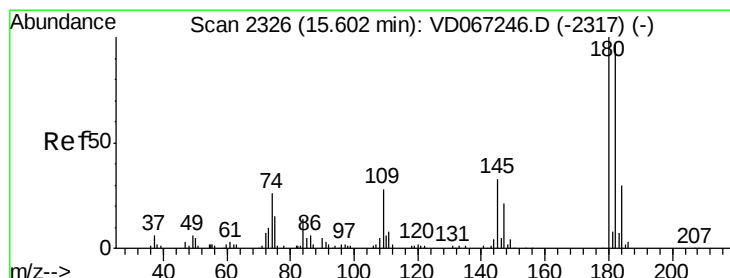
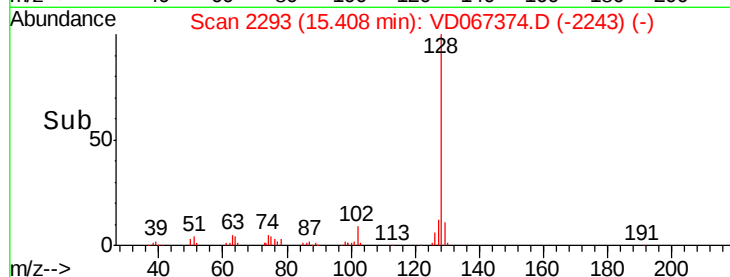
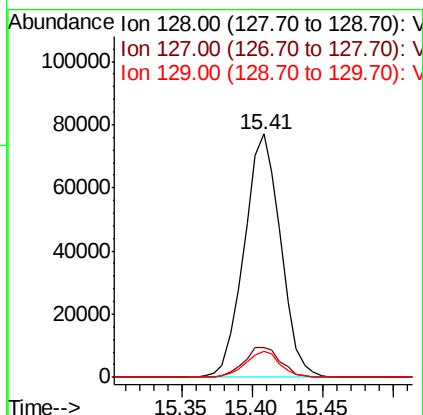
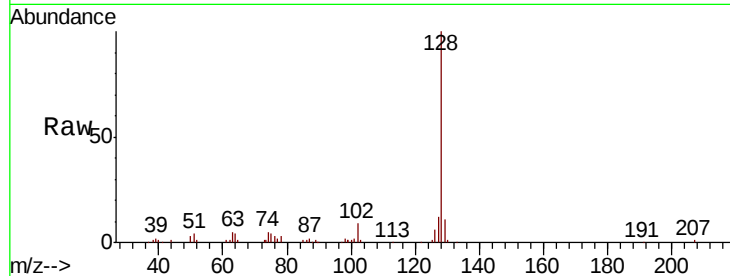




#95
Naphthalene
Concen: 21.715 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion:128 Resp: 138976
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.472 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion:180 Resp: 75679
Ion Ratio Lower Upper
180 100
182 91.9 48.1 144.3
145 33.6 17.3 51.9

