

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064839.D
 Acq On : 10 Jan 2020 18:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 10 22:27:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	389212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	564590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	503315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187100	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.92	113	187453	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.34	98	704833	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.64	95	228310	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	139735	46.197	ug/l	95
3) Chloromethane	2.21	50	219248	51.828	ug/l	99
4) Vinyl Chloride	2.35	62	256024	49.638	ug/l	99
5) Bromomethane	2.77	94	174519	46.535	ug/l	96
6) Chloroethane	2.92	64	177718	51.422	ug/l	98
7) Trichlorofluoromethane	3.27	101	428463	49.335	ug/l	100
8) Diethyl Ether	3.70	74	91470	53.039	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	190292	52.907	ug/l	98
10) Methyl Iodide	4.30	142	201133	52.061	ug/l	99
11) Tert butyl alcohol	5.25	59	58477	297.304	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	173900	50.785	ug/l	97
13) Acrolein	3.93	56	66033	240.892	ug/l	97
14) Allyl chloride	4.71	41	292788	54.841	ug/l	98
15) Acrylonitrile	5.43	53	204962	285.323	ug/l	100
16) Acetone	4.17	43	231638	332.740	ug/l	94
17) Carbon Disulfide	4.40	76	501578	45.301	ug/l	99
18) Methyl Acetate	4.72	43	106993	55.374	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	428760	56.373	ug/l	94
20) Methylene Chloride	4.97	84	201977	58.360	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	201614	51.700	ug/l	97
22) Diisopropyl ether	6.37	45	605778	56.888	ug/l	99
23) Vinyl Acetate	6.31	43	1700383	281.492	ug/l	99
24) 1,1-Dichloroethane	6.27	63	360597	56.407	ug/l	98
25) 2-Butanone	7.23	43	283530	300.546	ug/l	100
26) 2,2-Dichloropropane	7.21	77	322778	54.306	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	230867	54.855	ug/l	98
28) Bromochloromethane	7.56	49	142422	57.311	ug/l	99
29) Tetrahydrofuran	7.57	42	165607	282.285	ug/l	98
30) Chloroform	7.71	83	371006	55.315	ug/l	97
31) Cyclohexane	7.98	56	313347	48.967	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	343209	54.480	ug/l	99
36) 1,1-Dichloropropene	8.11	75	283547	52.179	ug/l	98
37) Ethyl Acetate	7.30	43	119923	56.175	ug/l	97
38) Carbon Tetrachloride	8.10	117	309879	53.479	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	331734	50.402	ug/l	95
40) Benzene	8.36	78	800378	53.953	ug/l	98
41) Methacrylonitrile	7.53	41	67139	54.204	ug/l	93
42) 1,2-Dichloroethane	8.43	62	240846	56.182	ug/l	98
43) Isopropyl Acetate	8.46	43	234901	55.282	ug/l	99
44) Trichloroethene	9.11	130	229164	52.585	ug/l	94
45) 1,2-Dichloropropane	9.39	63	198102	55.930	ug/l	99
46) Dibromomethane	9.48	93	108759	55.074	ug/l	99
47) Bromodichloromethane	9.67	83	291897	55.549	ug/l	99
48) Methyl methacrylate	9.46	41	110131	55.045	ug/l	93
49) 1,4-Dioxane	9.47	88	25082	1101.516	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	600627	285.975	ug/l	100
52) Toluene	10.41	92	525886	54.033	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	274788	56.089	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	322754	55.871	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	145633	54.722	ug/l	97
56) Ethyl methacrylate	10.67	69	188197	56.623	ug/l	98
57) 1,3-Dichloropropane	10.95	76	254221	55.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	328488	259.409	ug/l	99
59) 2-Hexanone	10.99	43	439698	308.452	ug/l	100
60) Dibromochloromethane	11.14	129	201544	54.763	ug/l	100
61) 1,2-Dibromoethane	11.25	107	141702	53.983	ug/l	98
64) Tetrachloroethene	10.88	164	218509	56.589	ug/l	98
65) Chlorobenzene	11.67	112	561279	53.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	219773	55.807	ug/l	97
67) Ethyl Benzene	11.75	91	1013854	53.472	ug/l	97
68) m/p-Xylenes	11.86	106	788894	107.796	ug/l	96
69) o-Xylene	12.18	106	358129	54.177	ug/l	99
70) Styrene	12.20	104	638266	55.009	ug/l	98
71) Bromoform	12.37	173	122086	54.362	ug/l #	98
73) Isopropylbenzene	12.48	105	970538	54.440	ug/l	100
74) N-amyl acetate	12.30	43	218937	57.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	155750	55.614	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	210903	107.060	ug/l #	100
77) Bromobenzene	12.77	156	237274	54.166	ug/l	98
78) n-propylbenzene	12.83	91	1137687	54.702	ug/l	99
79) 2-Chlorotoluene	12.91	91	633145	55.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	796625	54.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	52252	55.475	ug/l	98
82) 4-Chlorotoluene	13.01	91	657473	54.075	ug/l	100
83) tert-Butylbenzene	13.23	119	688374	54.138	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	803986	55.124	ug/l	99
85) sec-Butylbenzene	13.41	105	962048	55.190	ug/l	99
86) p-Isopropyltoluene	13.53	119	922034	55.318	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	453062	54.254	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	446345	54.409	ug/l	100
89) n-Butylbenzene	13.85	91	828319	55.184	ug/l	99
90) Hexachloroethane	14.12	117	174246	54.727	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	382552	53.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25636	56.467	ug/l	92

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QLast Update : Tue Dec 24 13:19:06 2019
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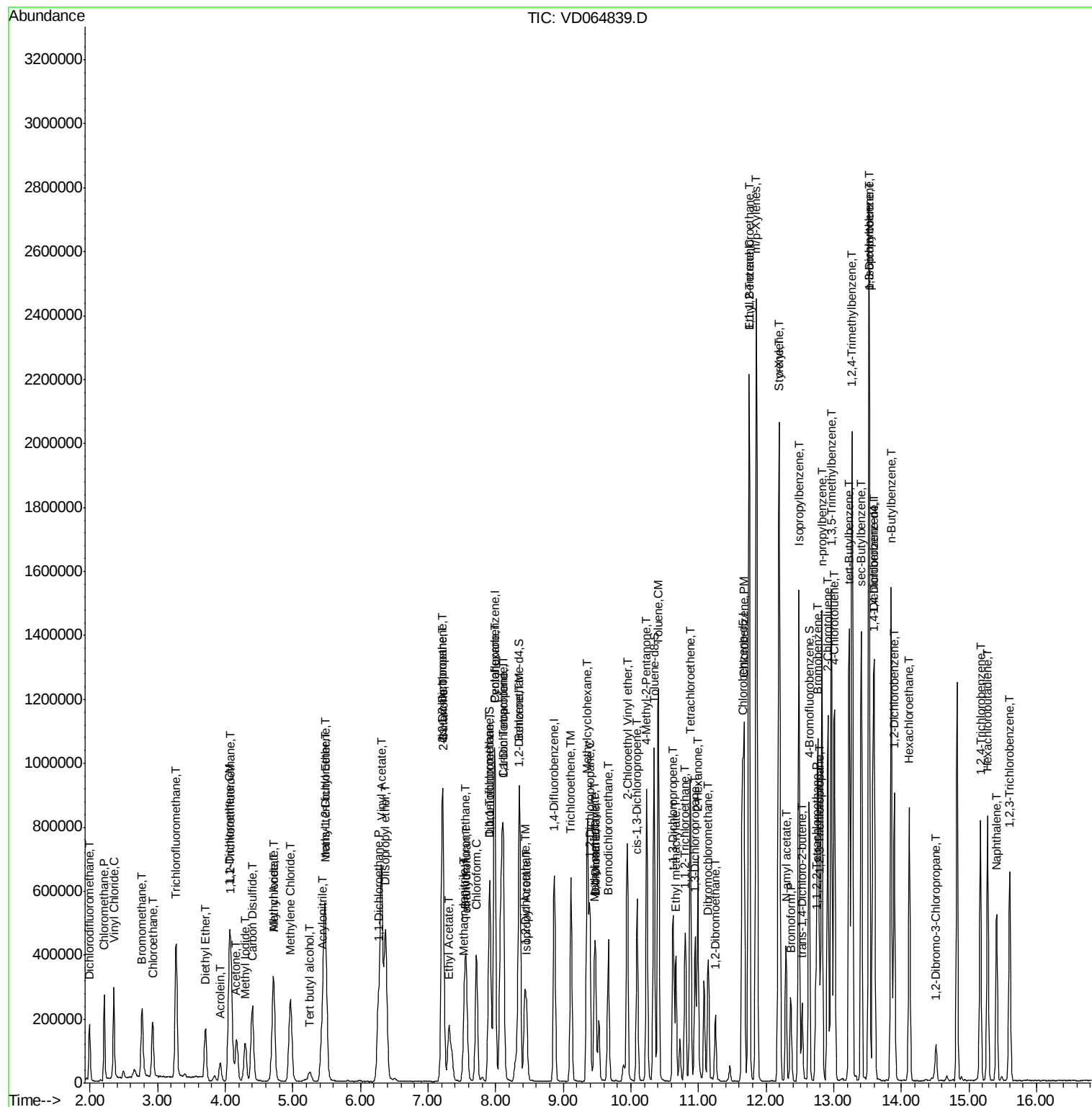
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273904	52.241	ug/l	99
94) Hexachlorobutadiene	15.28	225	163447	49.540	ug/l	96
95) Naphthalene	15.41	128	452165	54.514	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	238710	53.331	ug/l	99

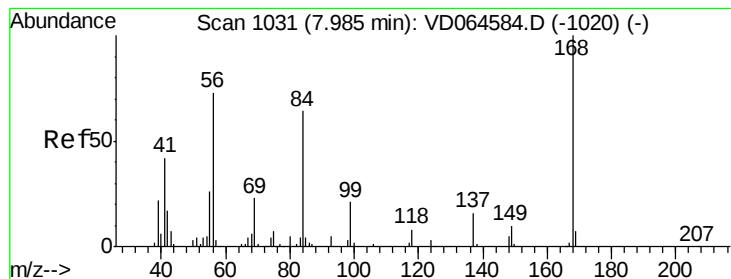
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

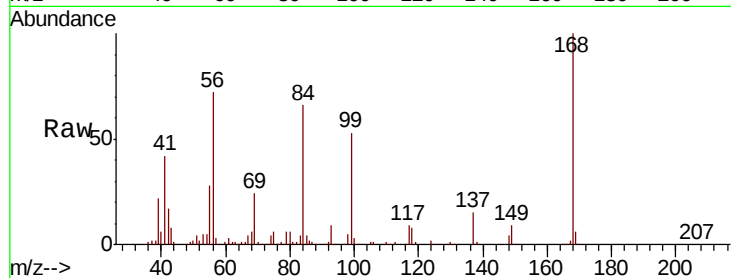
VSTDCCC050EC

Tot Ion:168 Resp: 389212

Ion Ratio Lower Upper

168 100

99 52.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

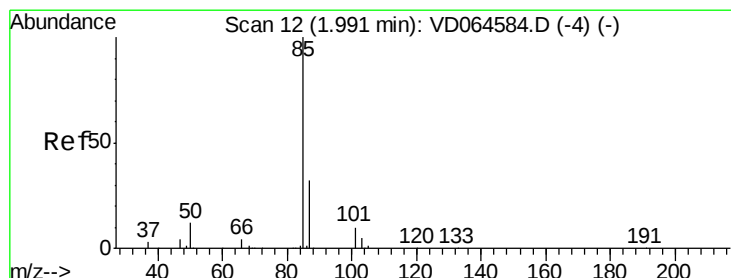
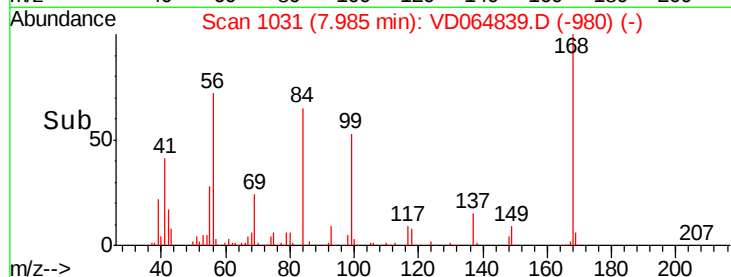
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.197 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064839.D

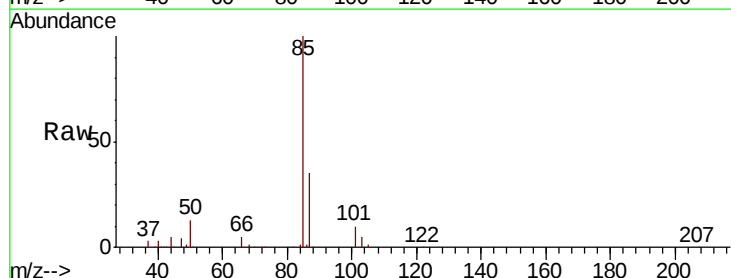
Acq: 10 Jan 2020 18:30

Tgt Ion: 85 Resp: 139735

Ion Ratio Lower Upper

85 100

87 34.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

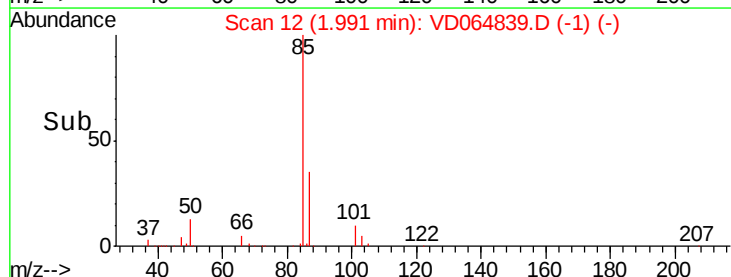
40000

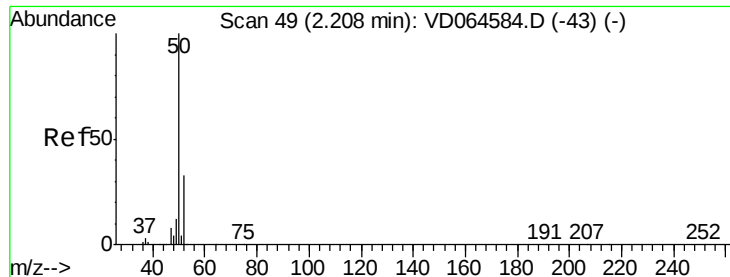
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.828 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

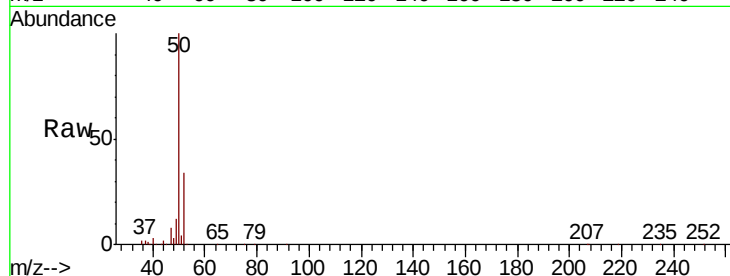
VSTDCCC050EC

Tot Ion: 50 Resp: 219248

Ion Ratio Lower Upper

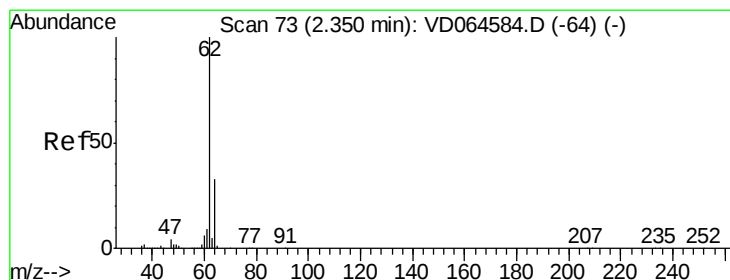
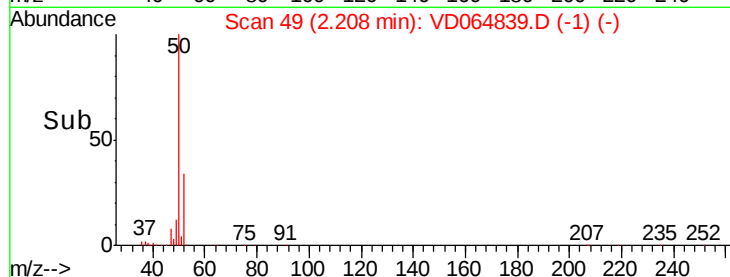
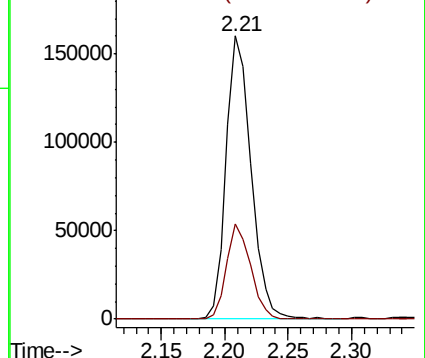
50 100

52 33.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.638 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064839.D

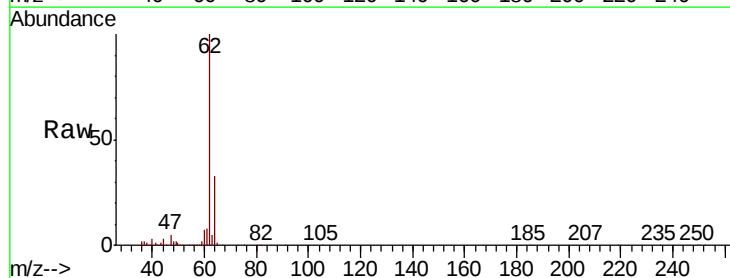
Acq: 10 Jan 2020 18:30

Tgt Ion: 62 Resp: 256024

Ion Ratio Lower Upper

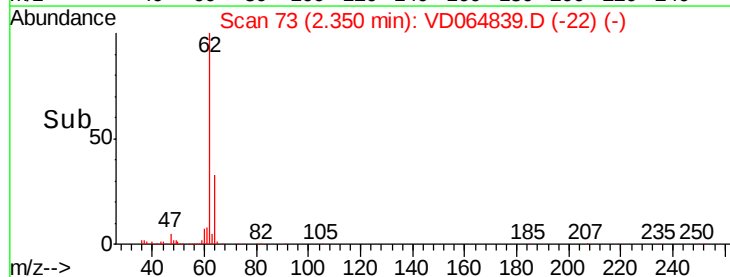
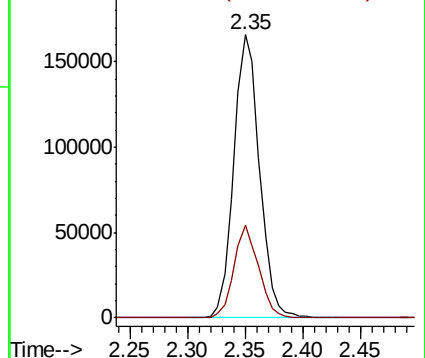
62 100

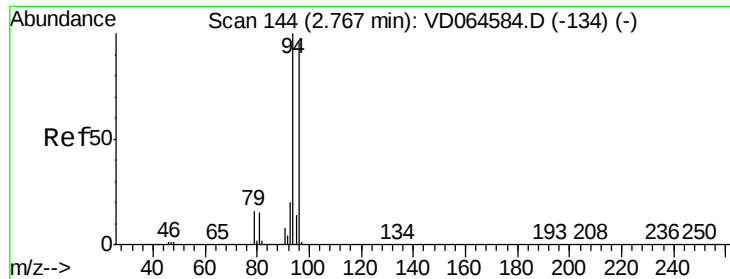
64 32.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.535 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

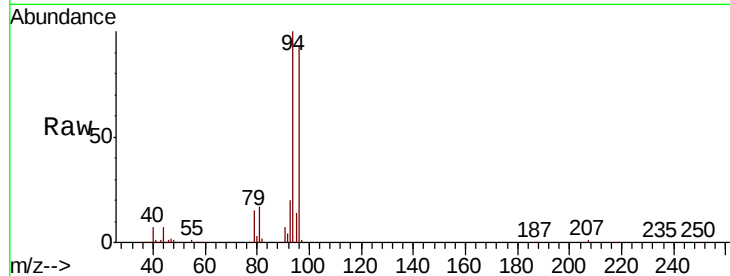
VSTDCCC050EC

Tot Ion: 94 Resp: 174519

Ion Ratio Lower Upper

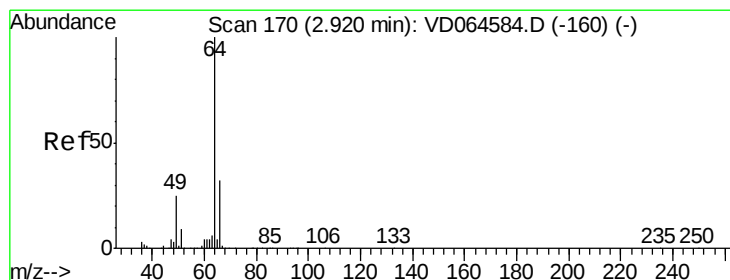
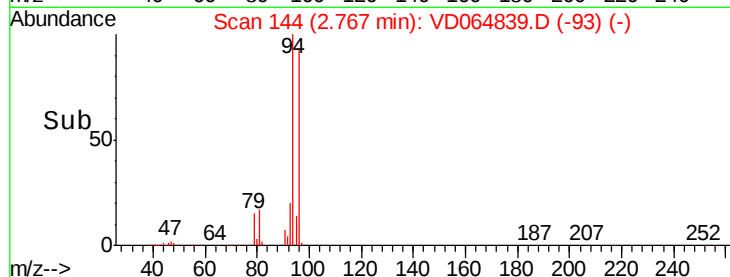
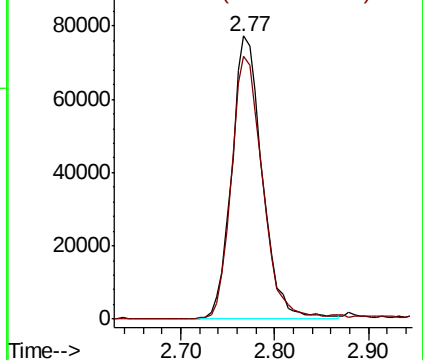
94 100

96 92.9 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.422 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064839.D

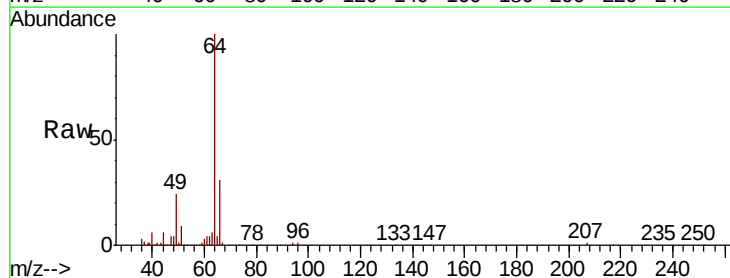
Acq: 10 Jan 2020 18:30

Tgt Ion: 64 Resp: 177718

Ion Ratio Lower Upper

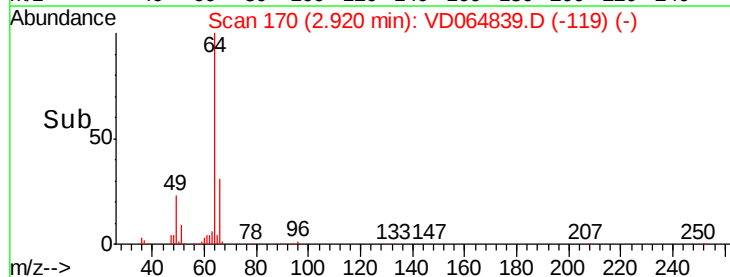
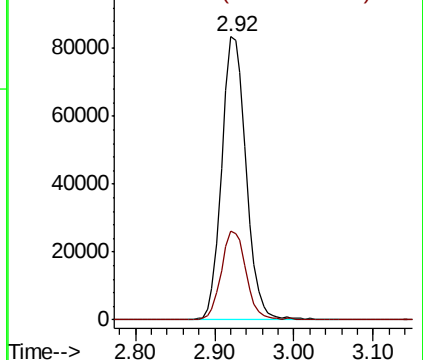
64 100

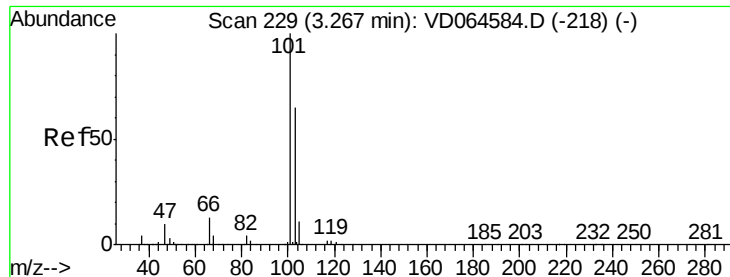
66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



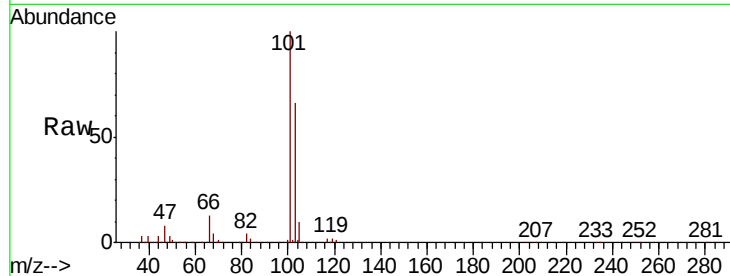


#7

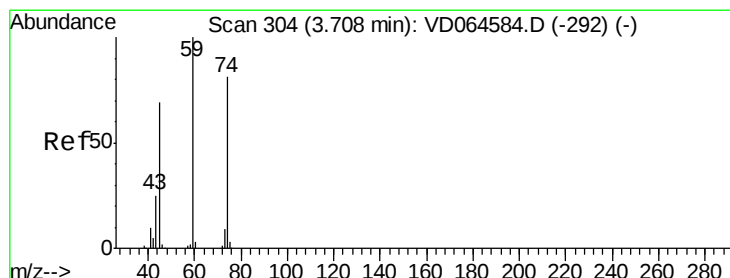
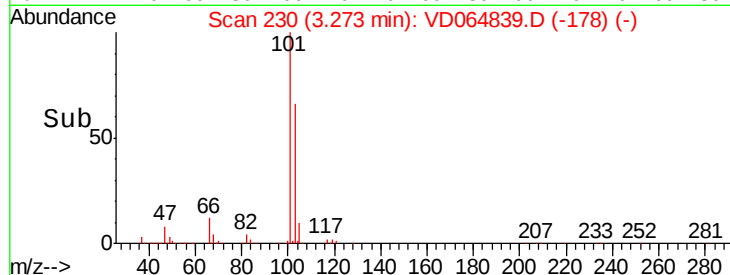
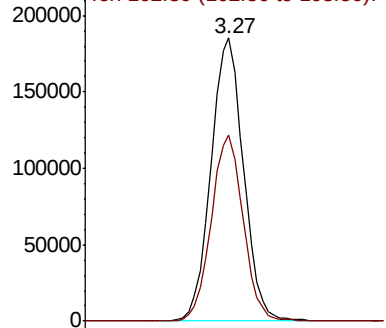
Trichlorofluoromethane
 Concen: 49.335 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
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Tot Ion:101 Resp: 428463
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4



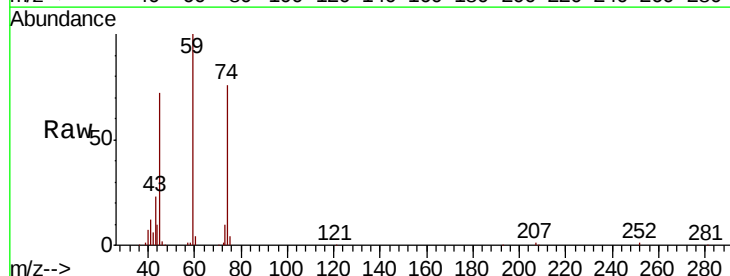
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



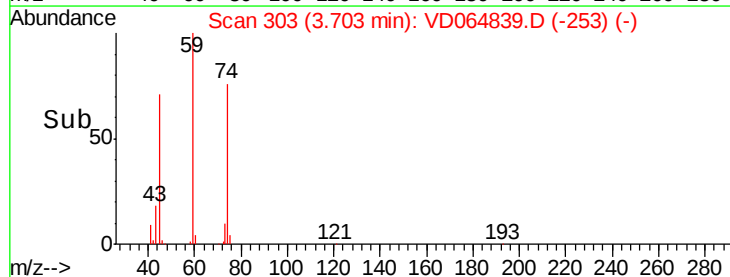
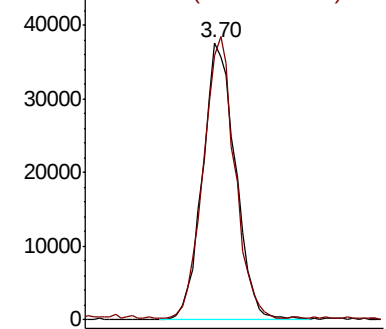
#8

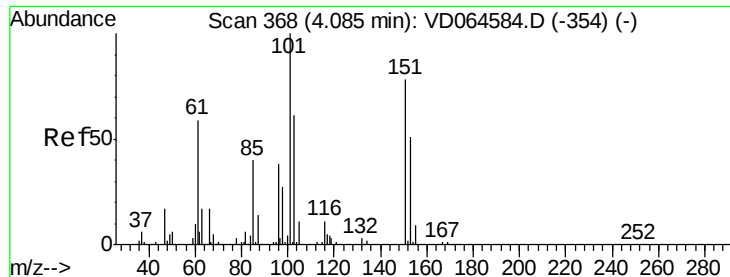
Diethyl Ether
 Concen: 53.039 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064839.D
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Tgt Ion: 74 Resp: 91470
 Ion Ratio Lower Upper
 74 100
 45 96.8 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.907 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064839.D

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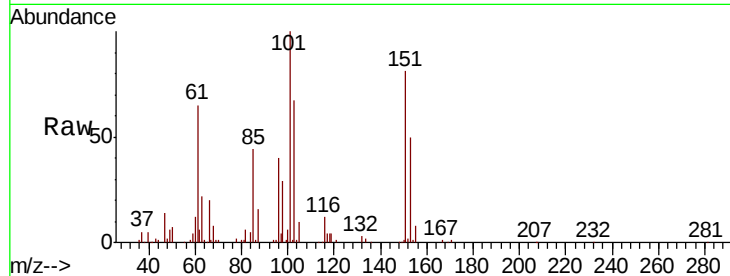
Tot Ion:101 Resp: 190292

Ion Ratio Lower Upper

101 100

85 44.5 35.2 52.8

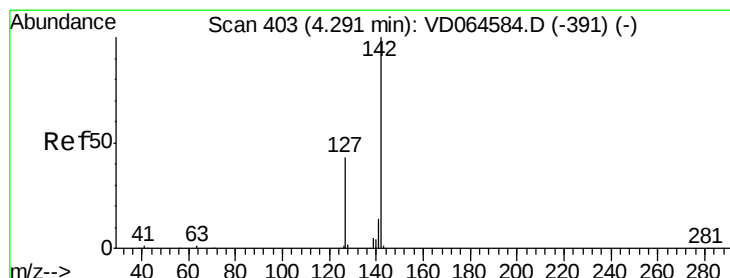
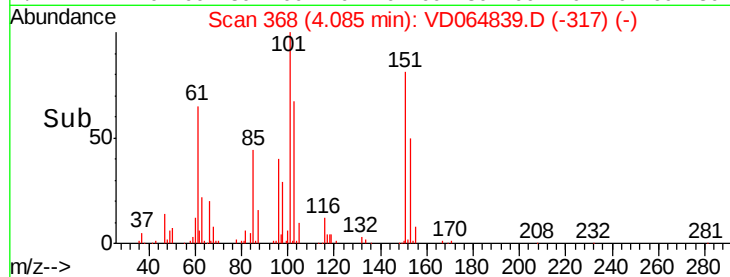
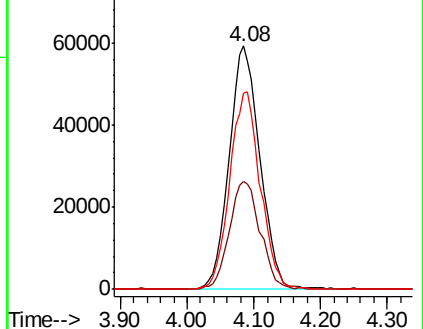
151 80.5 66.2 99.4



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: 52.061 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

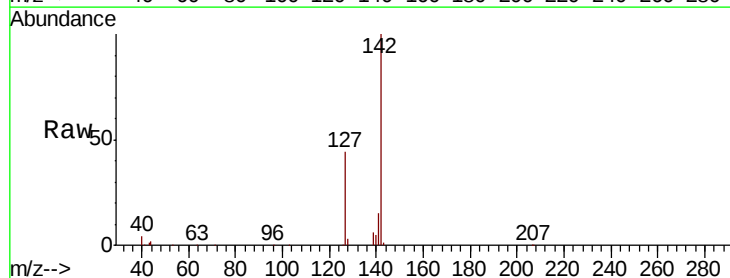
Tgt Ion:142 Resp: 201133

Ion Ratio Lower Upper

142 100

127 45.8 36.2 54.4

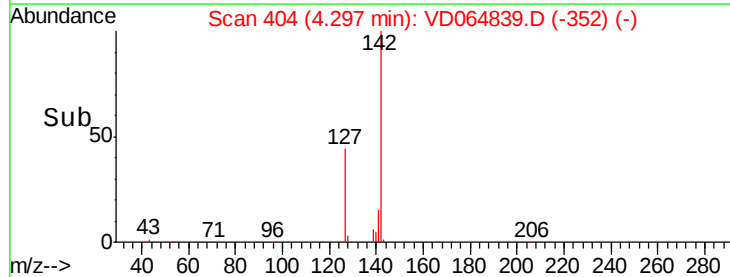
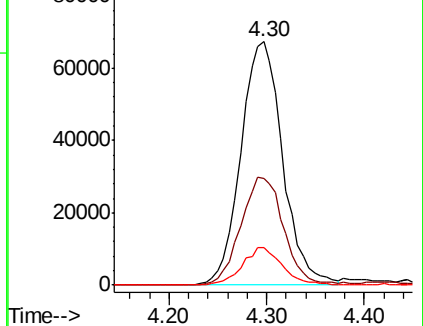
141 14.7 11.8 17.8

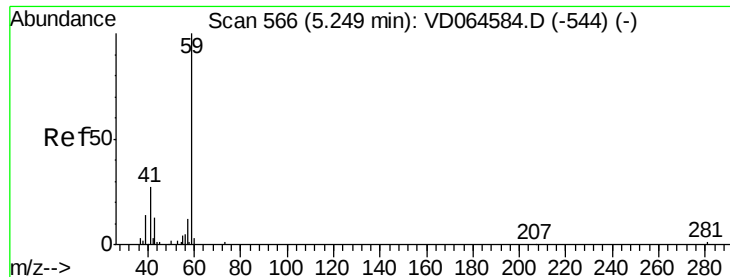


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

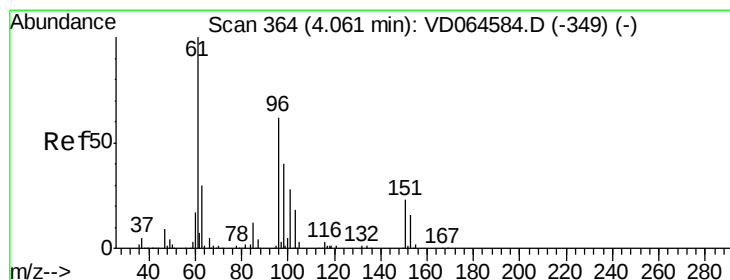
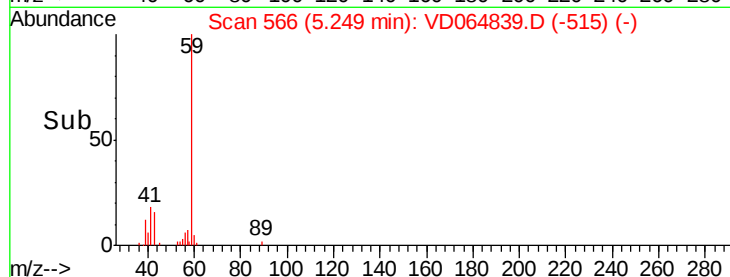
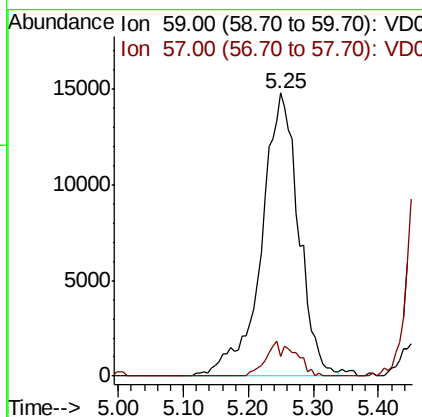
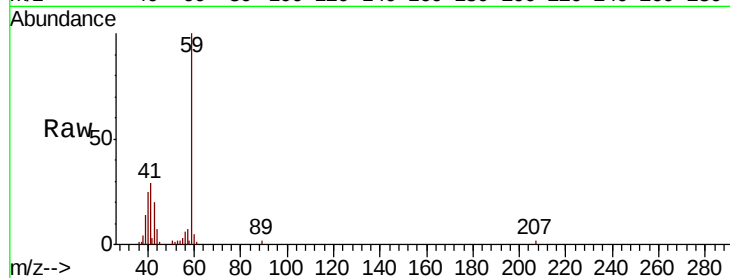




#11
Tert butyl alcohol
Concen: 297.304 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

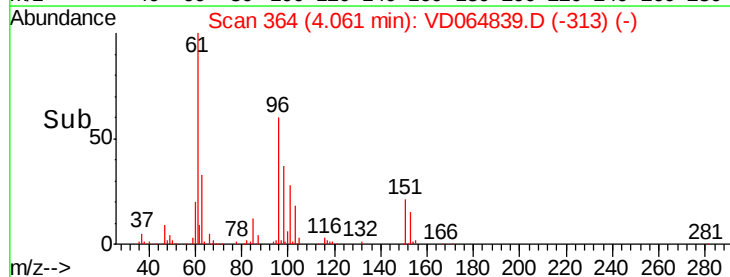
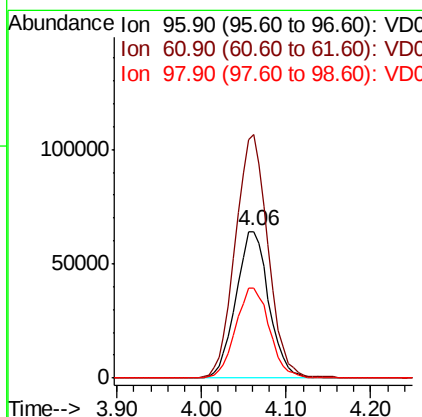
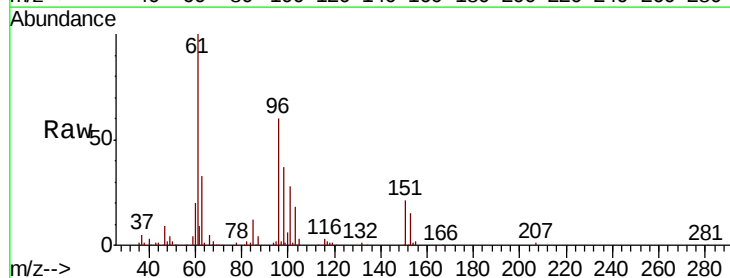
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

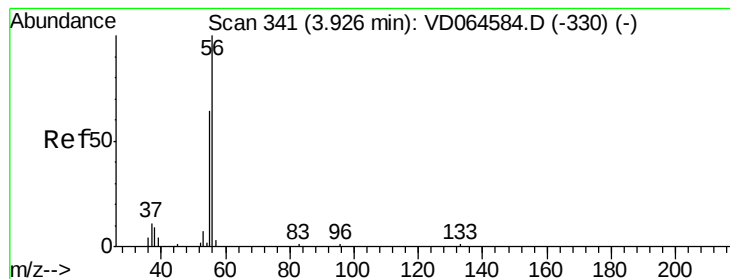
Tot Ion: 59 Resp: 58477
Ion Ratio Lower Upper
59 100
57 4.9 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 50.785 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 96 Resp: 173900
Ion Ratio Lower Upper
96 100
61 166.0 129.4 194.0
98 61.7 51.4 77.0





#13

Acrolein

Concen: 240.892 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

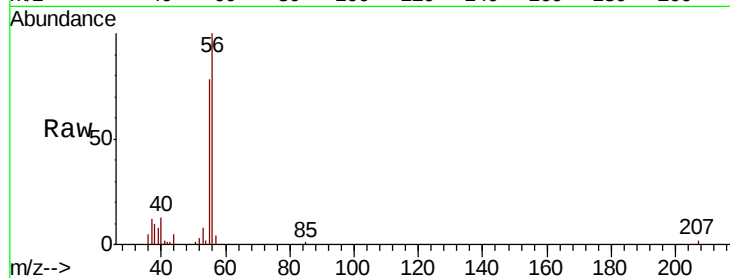
VSTDCCC050EC

Tot Ion: 56 Resp: 66033

Ion Ratio Lower Upper

56 100

55 73.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

5000

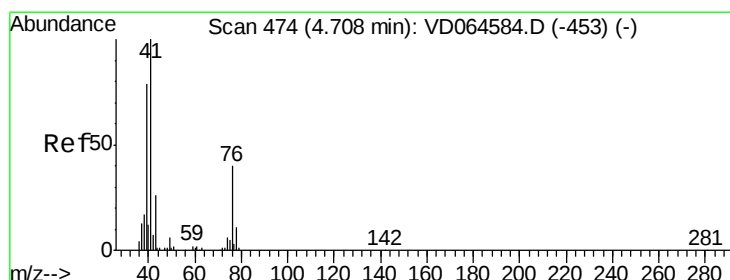
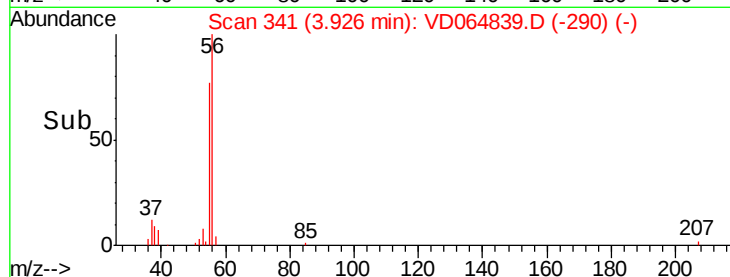
0

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 54.841 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

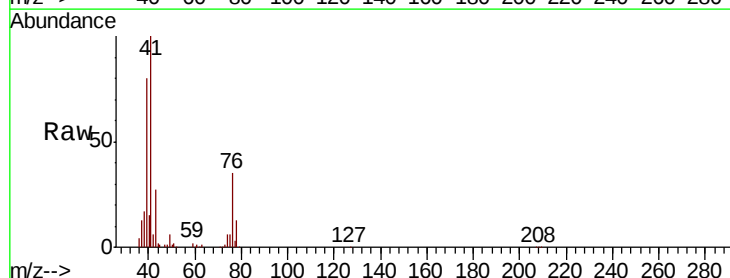
Tgt Ion: 41 Resp: 292788

Ion Ratio Lower Upper

41 100

39 76.7 62.3 93.5

76 35.5 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

120000

100000

80000

60000

40000

20000

0

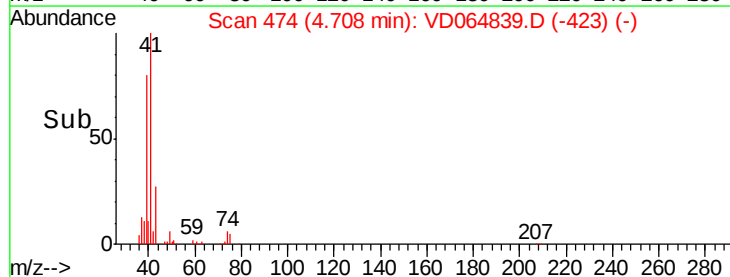
4.50

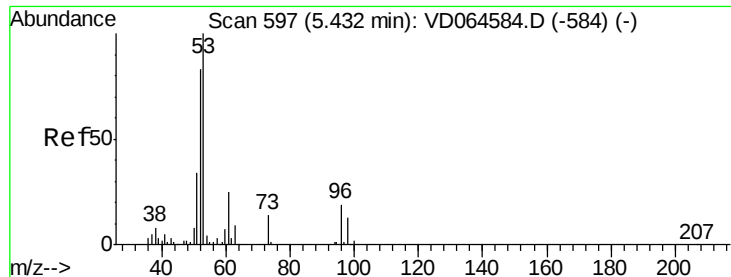
4.60

4.70

4.80

Time-->





#15

Acrylonitrile

Concen: 285.323 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

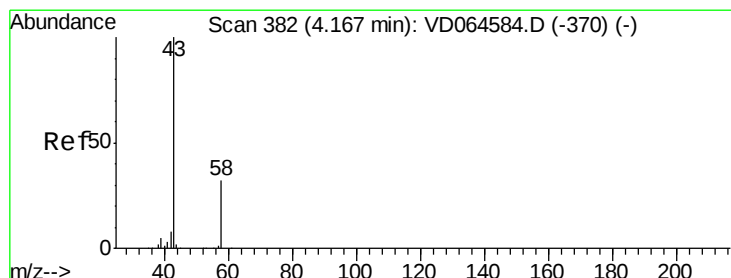
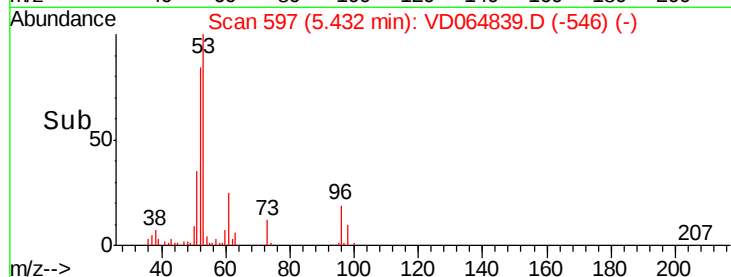
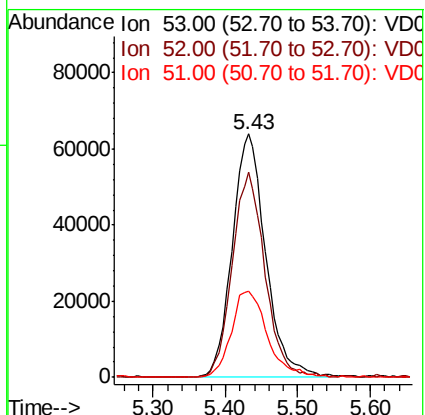
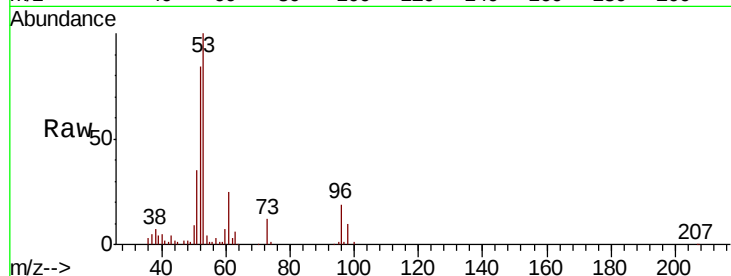
Tot Ion: 53 Resp: 204962

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

51 37.9 30.1 45.1



#16

Acetone

Concen: 332.740 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064839.D

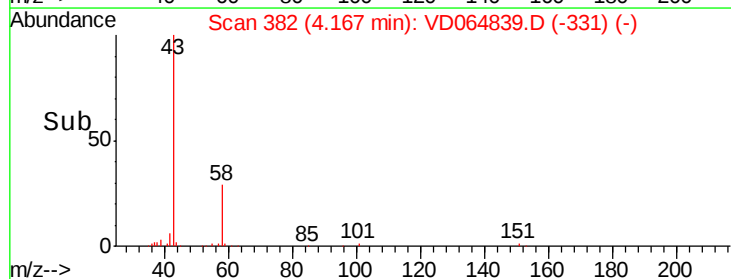
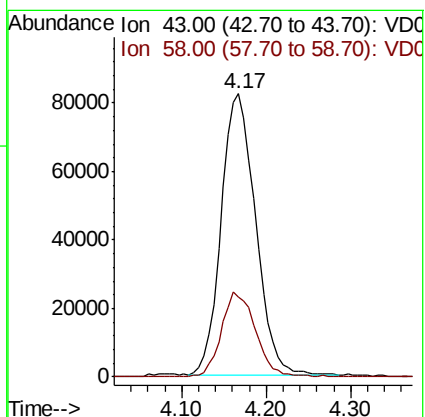
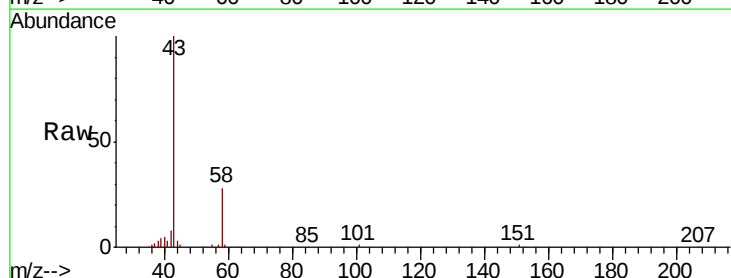
Acq: 10 Jan 2020 18:30

Tgt Ion: 43 Resp: 231638

Ion Ratio Lower Upper

43 100

58 28.6 25.8 38.6

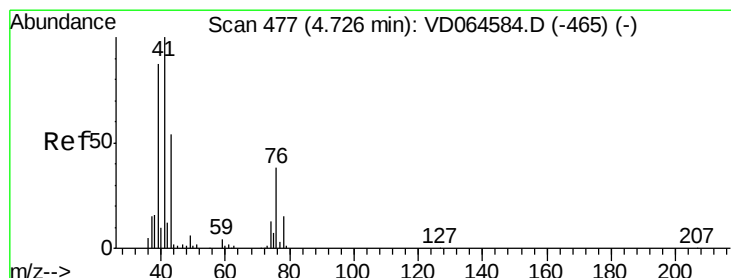
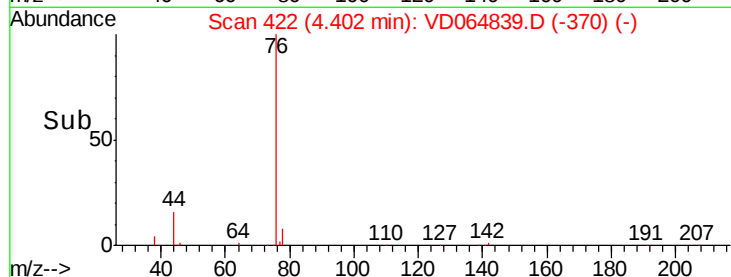
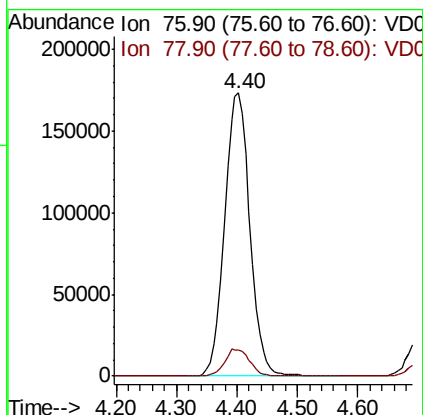
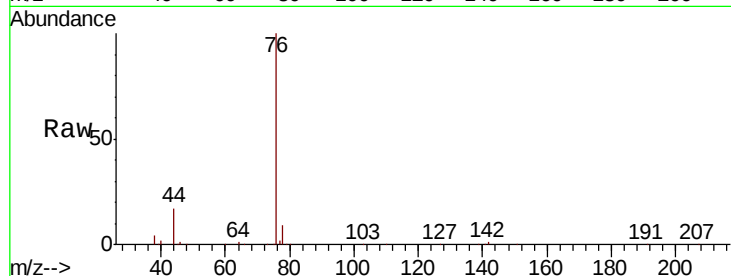




#17
Carbon Disulfide
Concen: 45.301 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

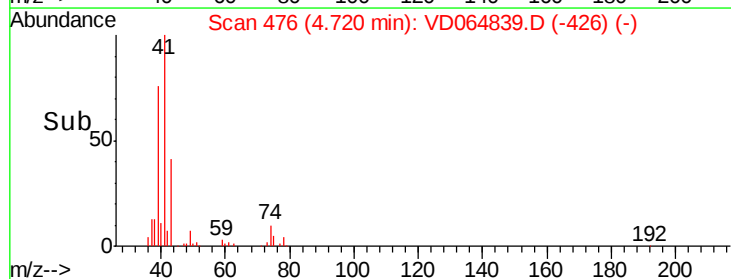
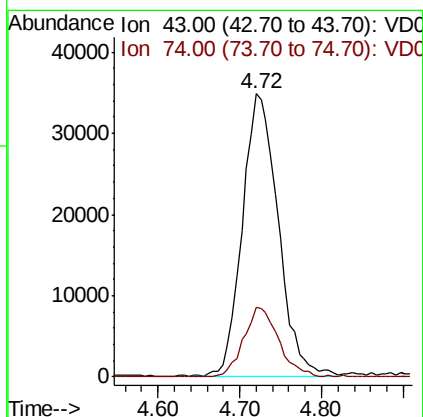
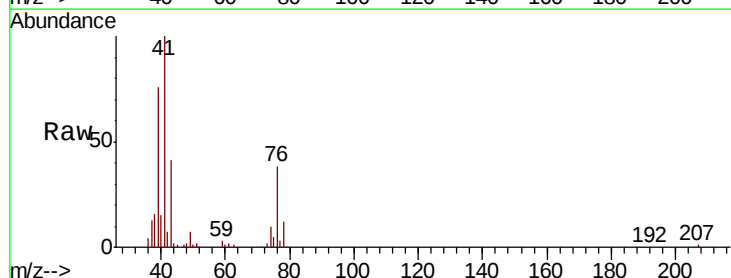
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

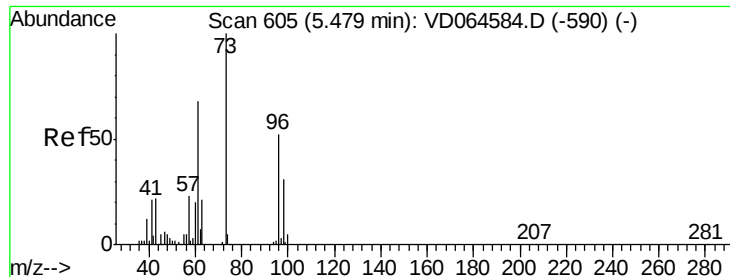
Tot Ion: 76 Resp: 501578
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 55.374 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 43 Resp: 106993
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8



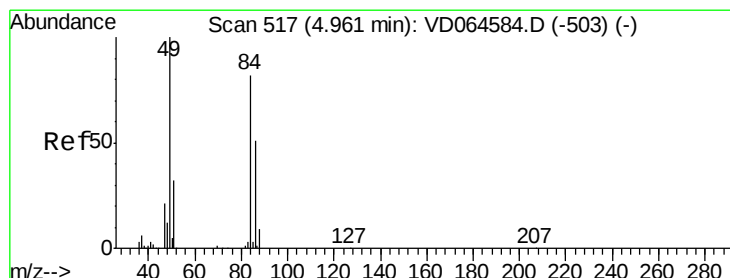
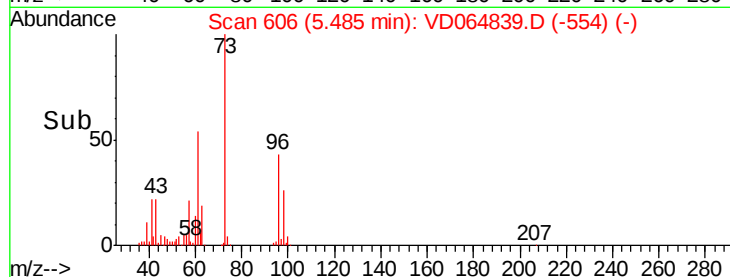
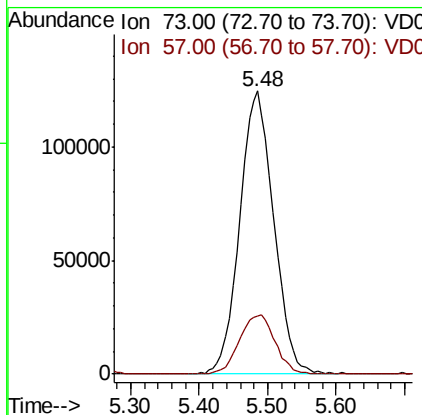
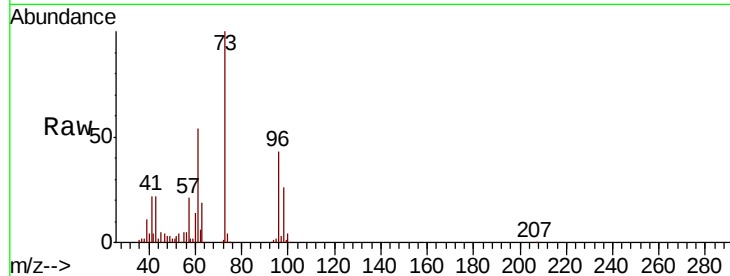


#19

Methyl tert-butyl Ether
 Concen: 56.373 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

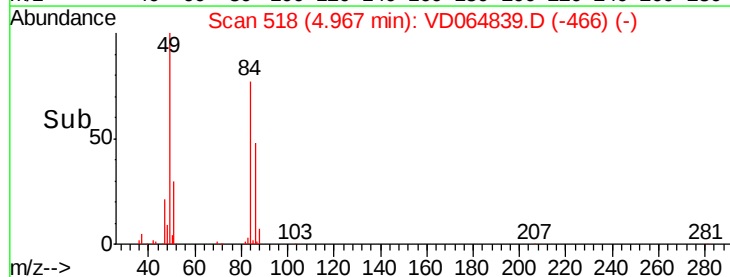
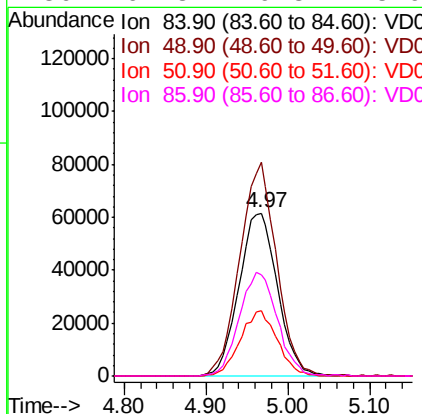
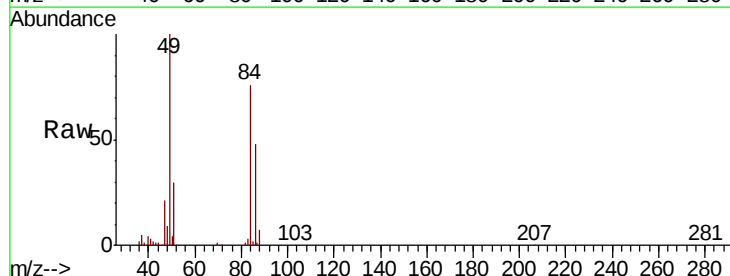
Tot Ion: 73 Resp: 428760
 Ion Ratio Lower Upper
 73 100
 57 20.5 18.6 27.8

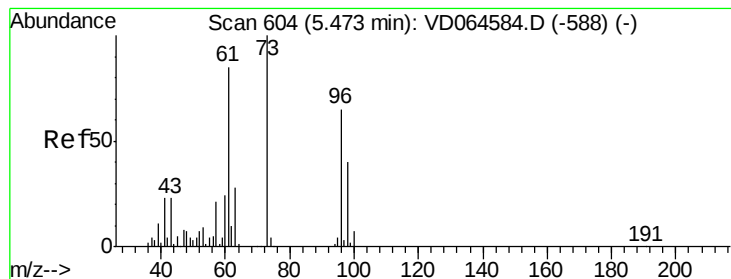


#20

Methylene Chloride
 Concen: 58.360 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion: 84 Resp: 201977
 Ion Ratio Lower Upper
 84 100
 49 131.0 97.2 145.8
 51 39.8 31.4 47.0
 86 62.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 51.700 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

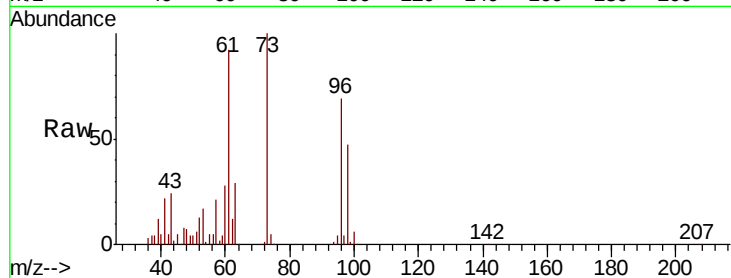
Tot Ion: 96 Resp: 201614

Ion Ratio Lower Upper

96 100

61 132.4 104.7 157.1

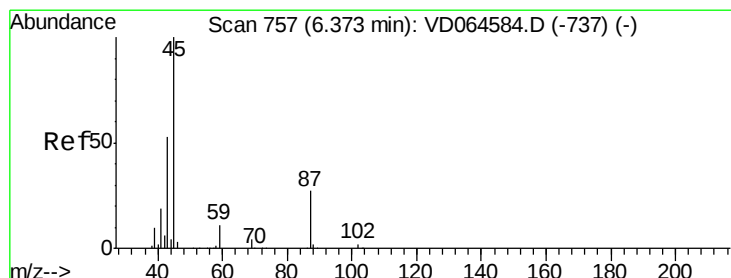
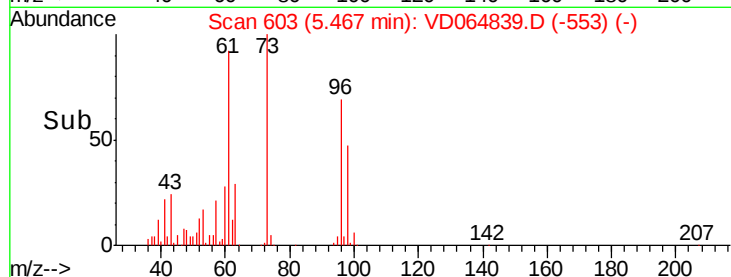
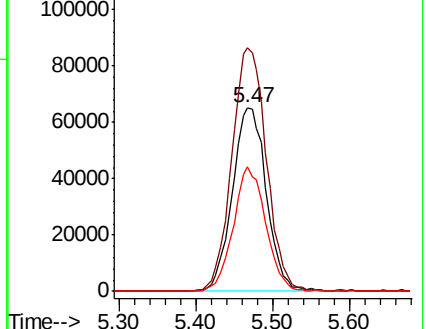
98 67.5 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 56.888 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion: 45 Resp: 605778

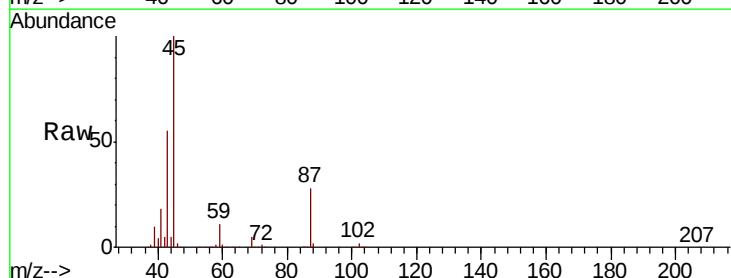
Ion Ratio Lower Upper

45 100

43 55.0 43.2 64.8

87 27.9 21.9 32.9

59 10.7 9.0 13.4

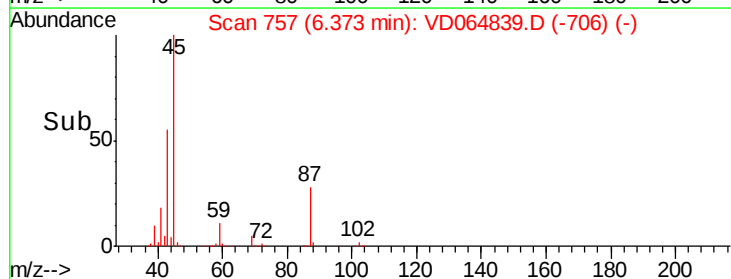
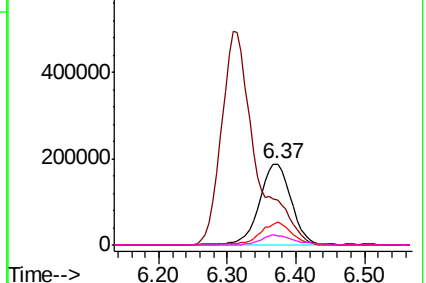


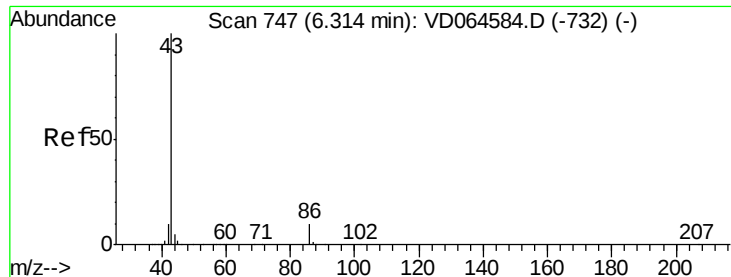
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 281.492 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

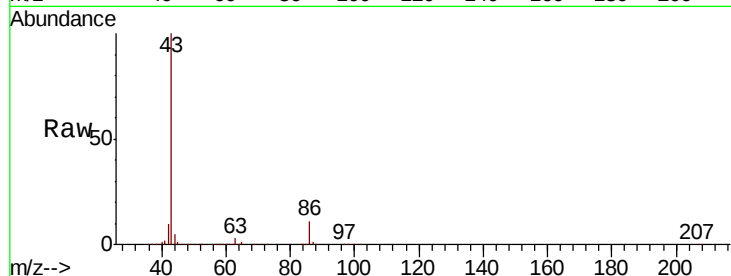
VSTDCCC050EC

Tot Ion: 43 Resp: 1700383

Ion Ratio Lower Upper

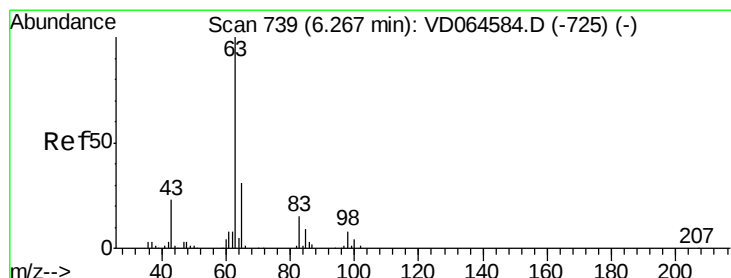
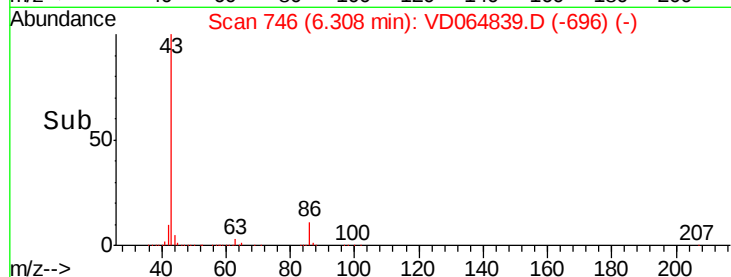
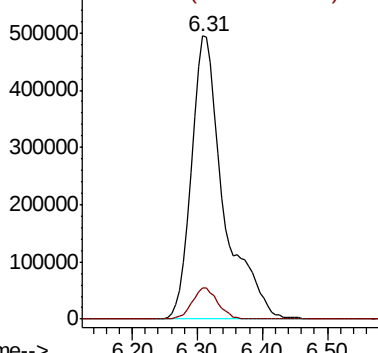
43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.407 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

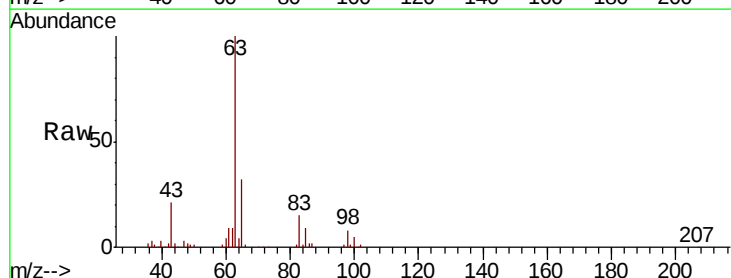
Tgt Ion: 63 Resp: 360597

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

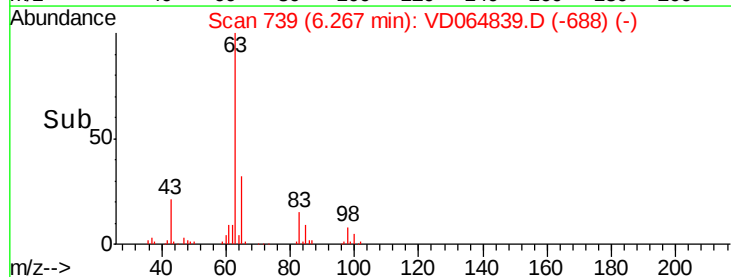
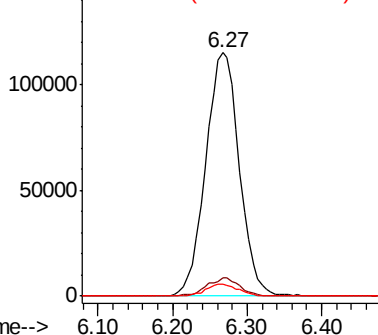
100 4.7 2.2 6.6

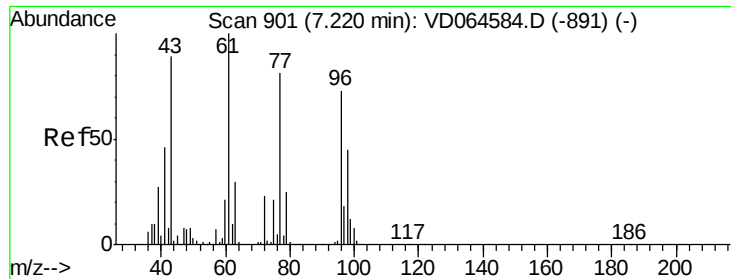


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 300.546 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

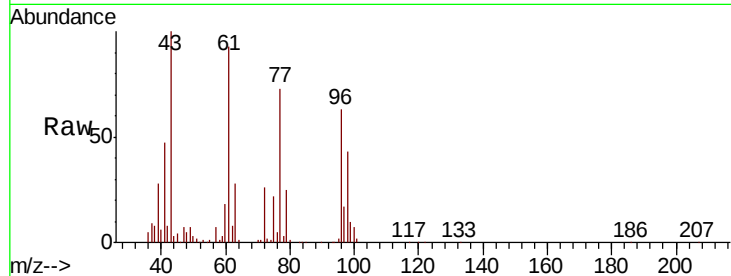
VSTDCCC050EC

Tot Ion: 43 Resp: 283530

Ion Ratio Lower Upper

43 100

72 25.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

120000

100000

80000

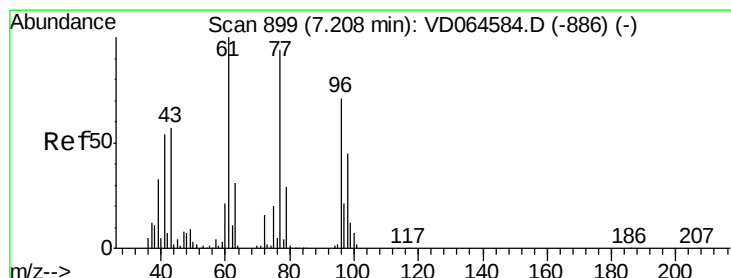
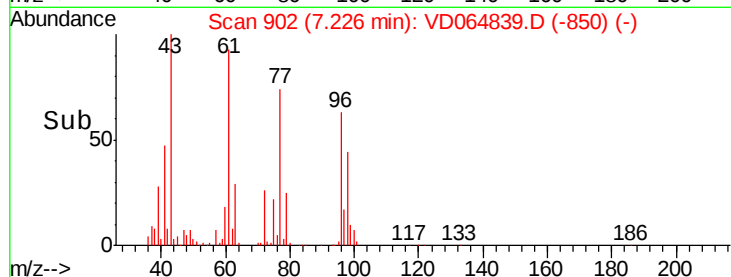
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.306 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064839.D

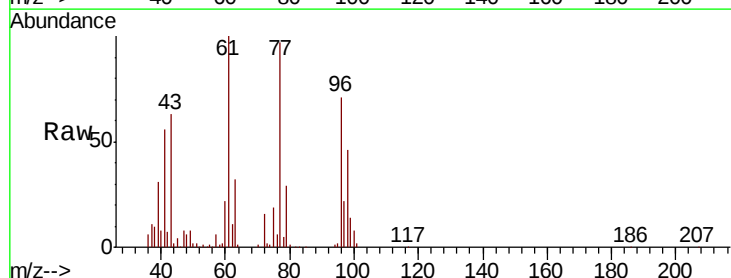
Acq: 10 Jan 2020 18:30

Tgt Ion: 77 Resp: 322778

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

120000

100000

80000

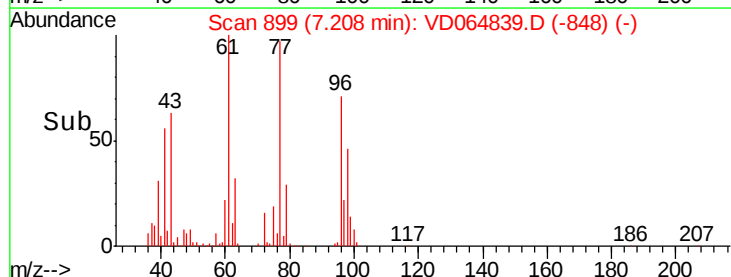
60000

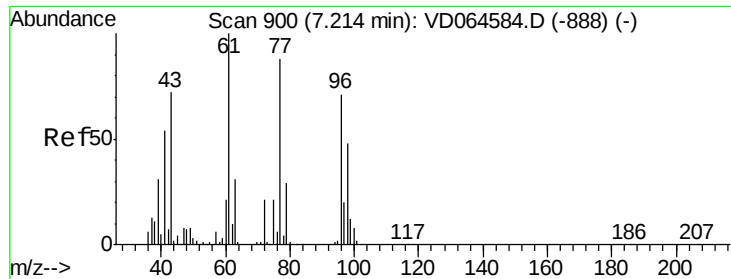
40000

20000

0

Time-->



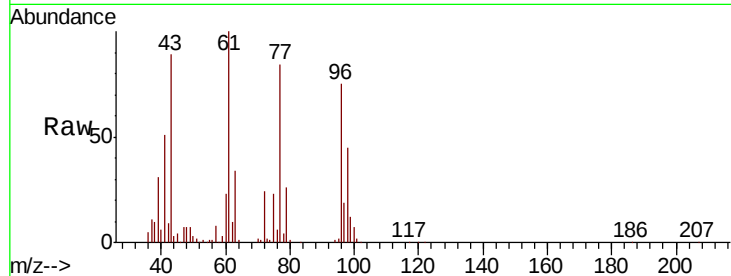


#27

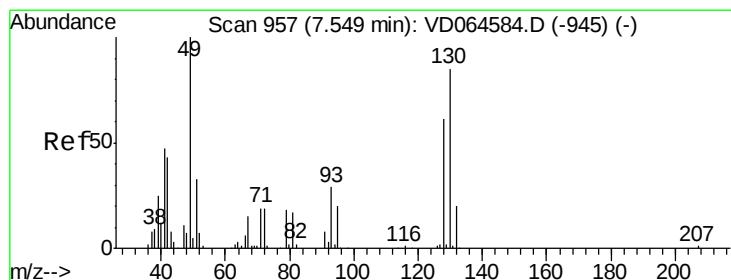
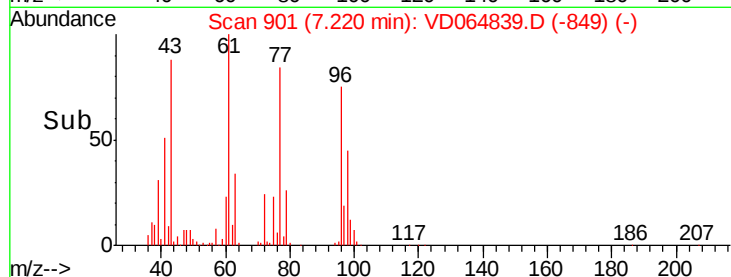
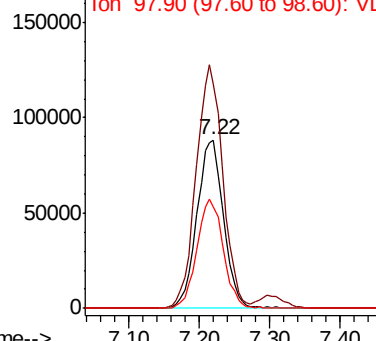
cis-1,2-Dichloroethene
Concen: 54.855 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 230867
Ion Ratio Lower Upper
96 100
61 144.7 0.0 282.6
98 64.3 0.0 130.8



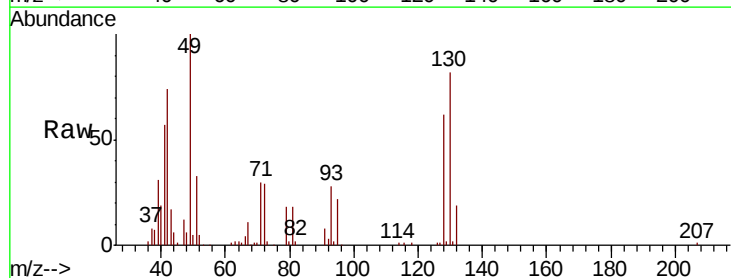
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



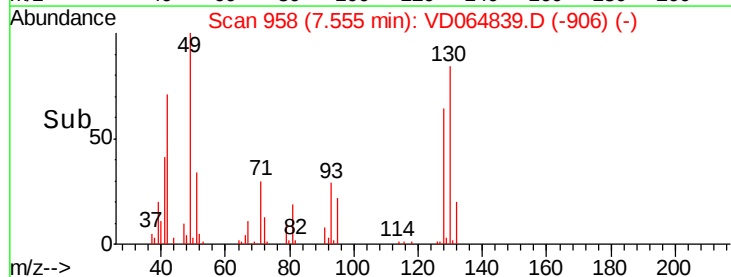
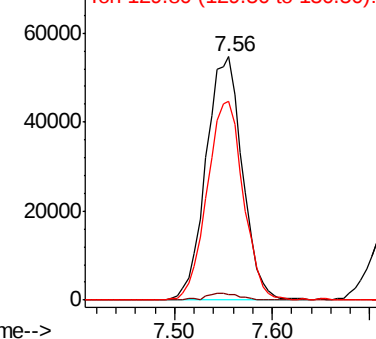
#28

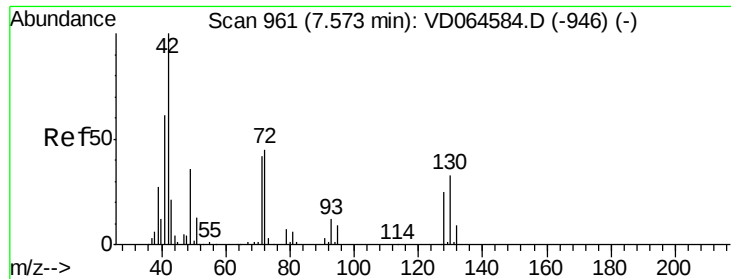
Bromochloromethane
Concen: 57.311 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 49 Resp: 142422
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.8
130 80.8 65.0 97.6



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

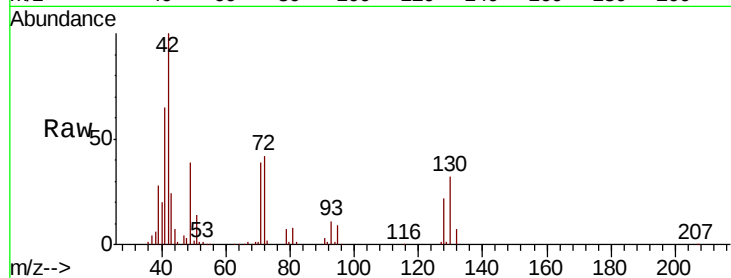




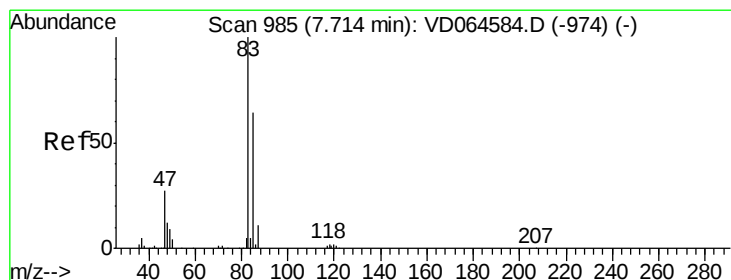
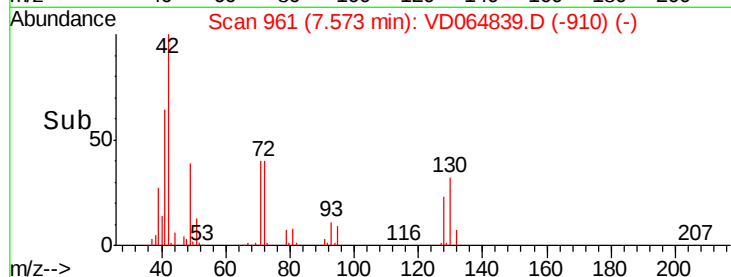
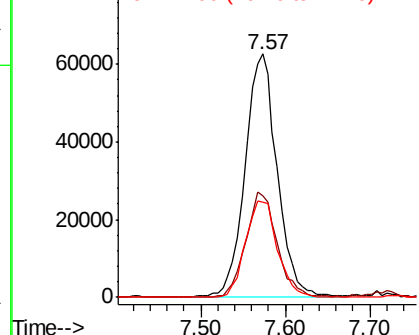
#29
Tetrahydrofuran
Concen: 282.285 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 165607
Ion Ratio Lower Upper
42 100
72 42.0 35.0 52.4
71 39.8 32.9 49.3

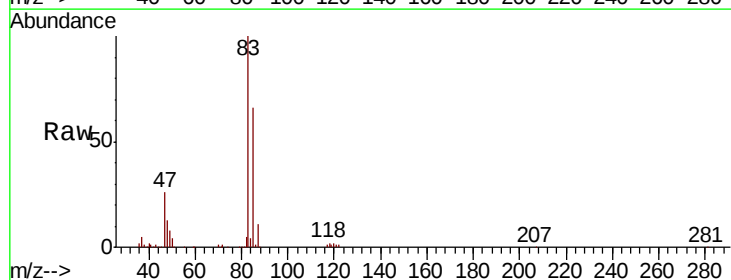


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

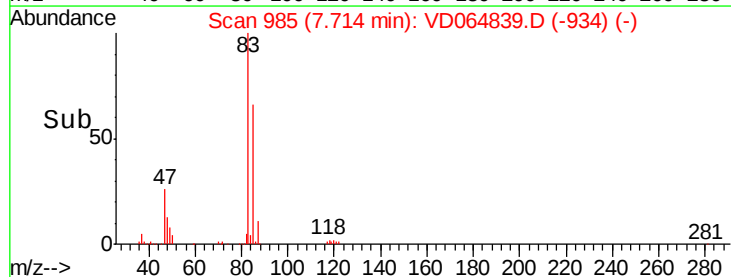
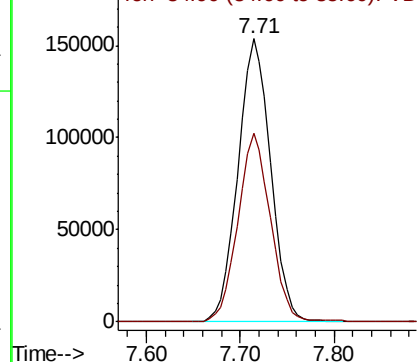


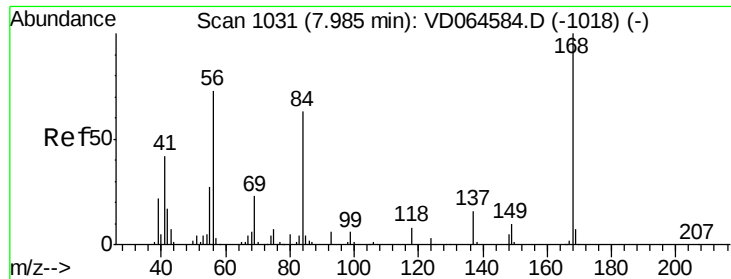
#30
Chloroform
Concen: 55.315 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 83 Resp: 371006
Ion Ratio Lower Upper
83 100
85 66.5 51.1 76.7



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

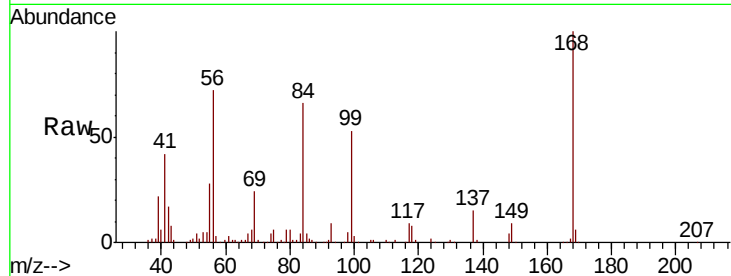




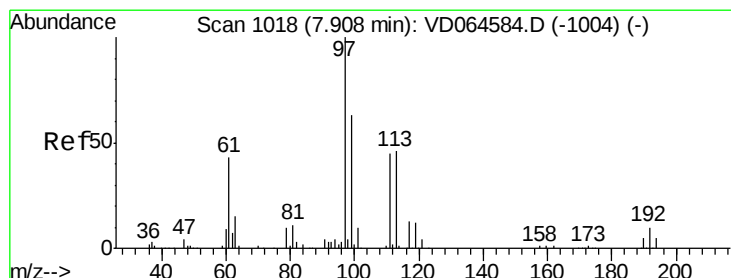
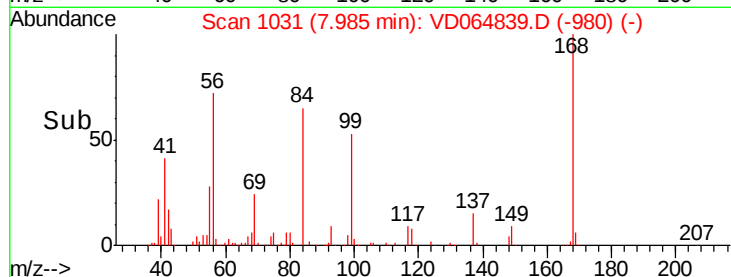
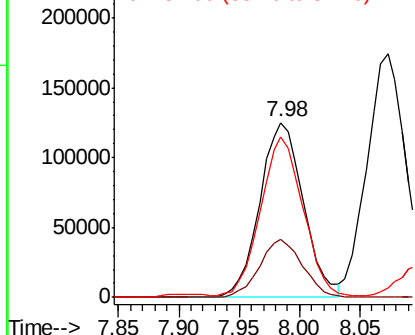
#31
Cyclohexane
Concen: 48.967 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 313347
Ion Ratio Lower Upper
56 100
69 33.0 24.7 37.1
84 90.4 69.4 104.2

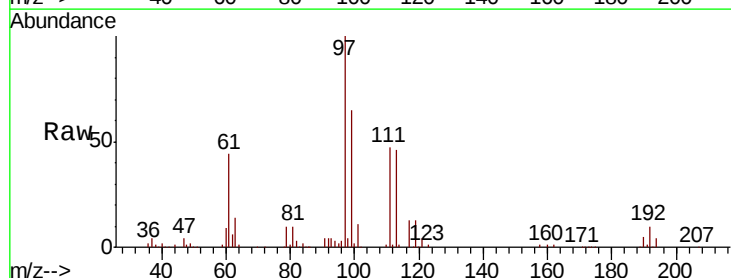


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

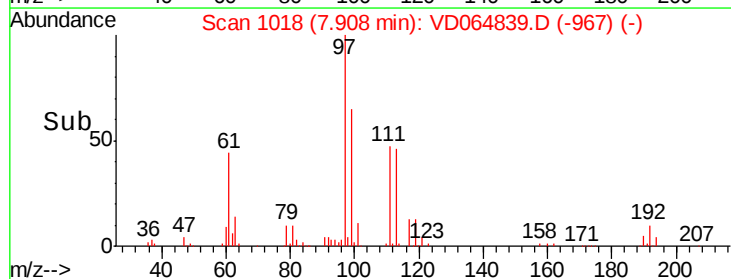
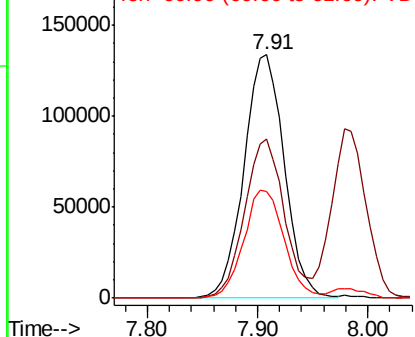


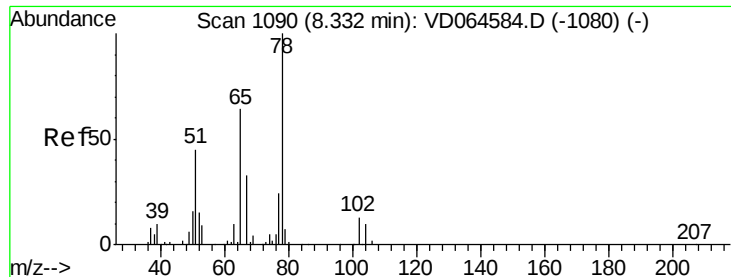
#32
1,1,1-Trichloroethane
Concen: 54.480 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 97 Resp: 343209
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.6
61 44.3 35.4 53.0



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

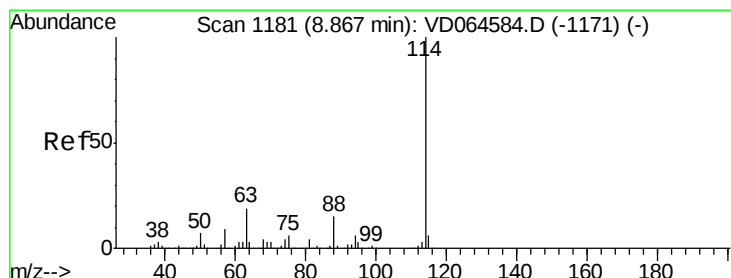
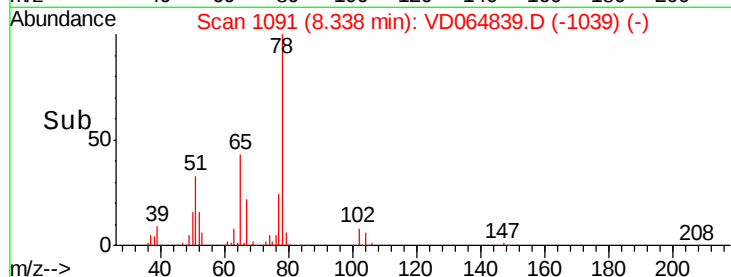
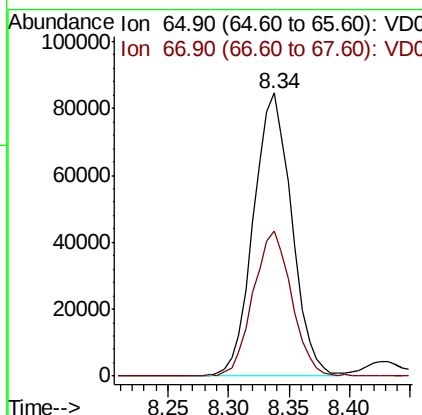
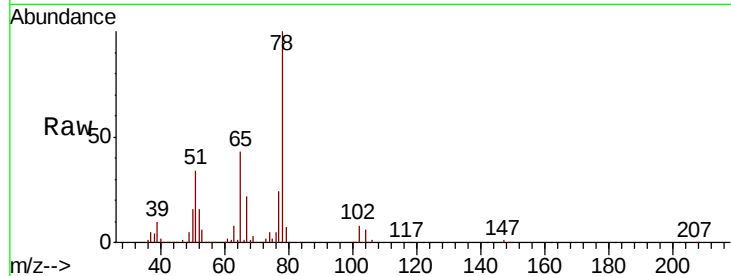




#33
 1,2-Dichloroethane-d4
 Concen: 54.516 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

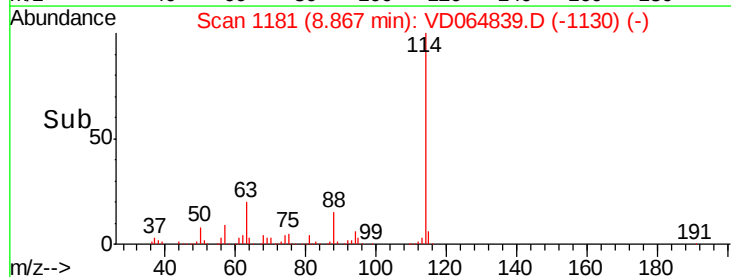
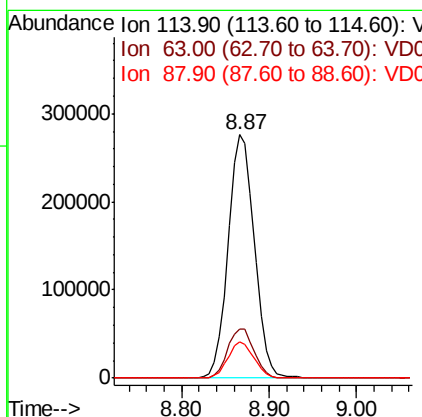
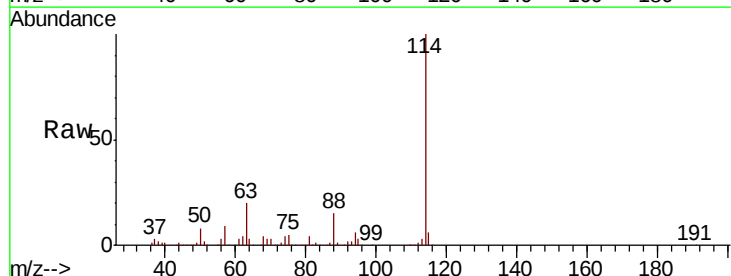
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

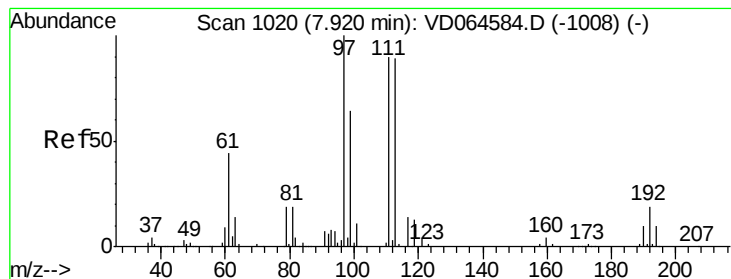
Tot Ion: 65 Resp: 187100
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion: 114 Resp: 564590
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.0
 88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 54.117 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

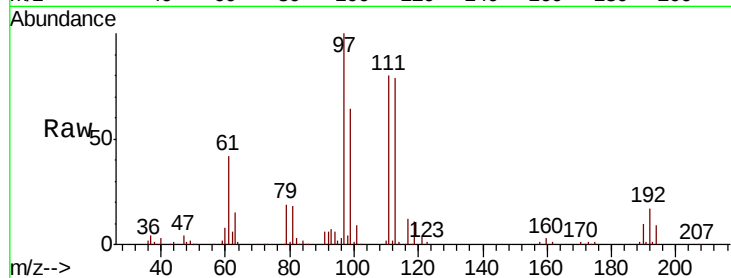
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 187453

Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.6	121.0
192	22.4	17.9	26.9

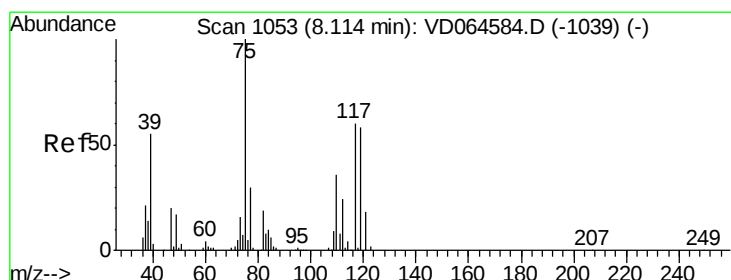
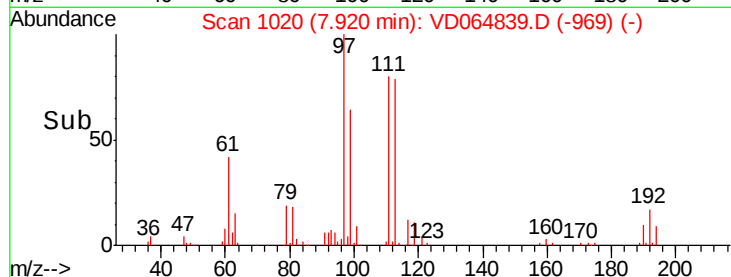
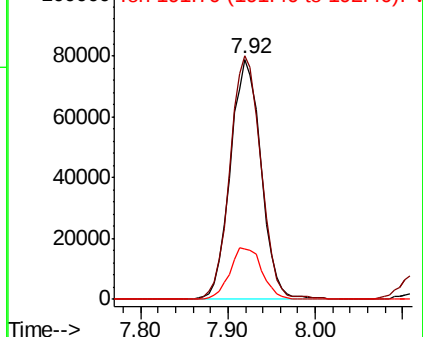


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.179 ug/l

RT: 8.11 min Scan# 1053

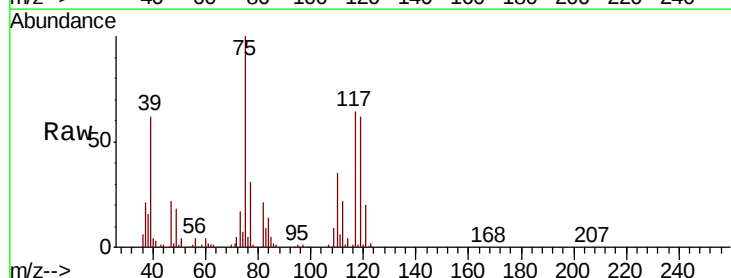
Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion: 75 Resp: 283547

Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.1	54.1
77	31.6	24.2	36.4

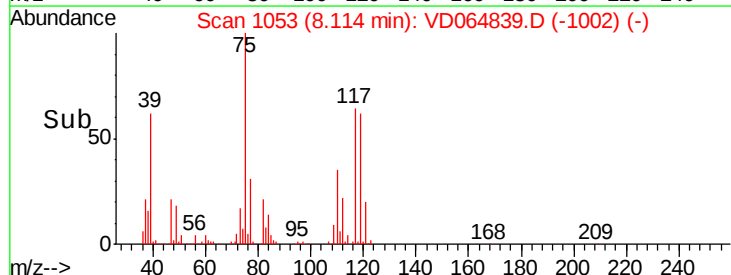
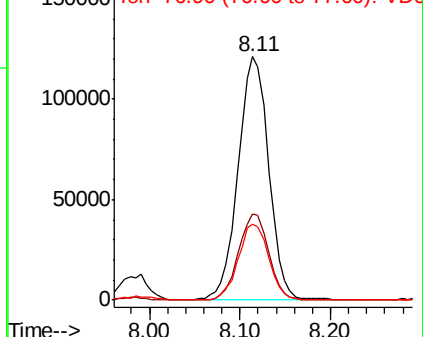


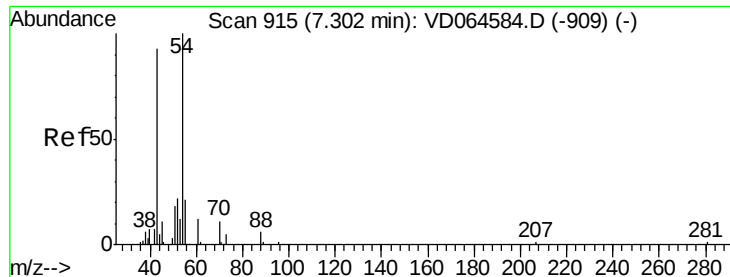
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

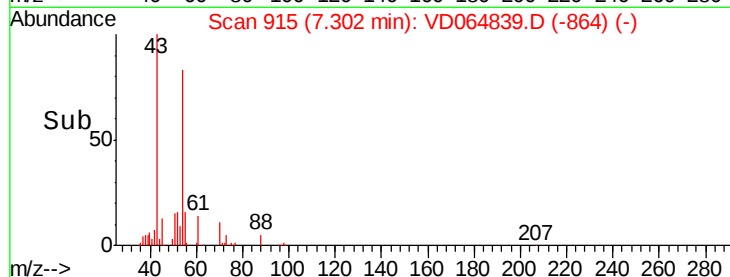
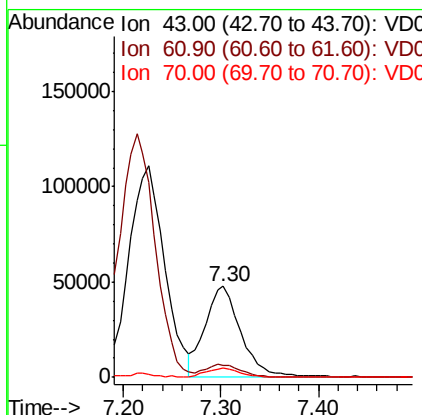
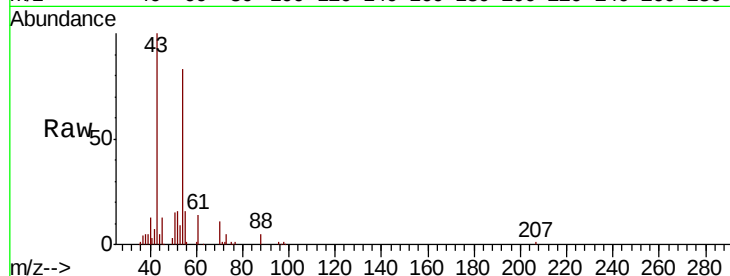




#37
Ethyl Acetate
Concen: 56.175 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

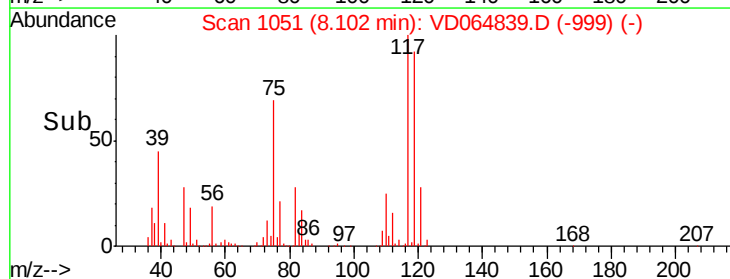
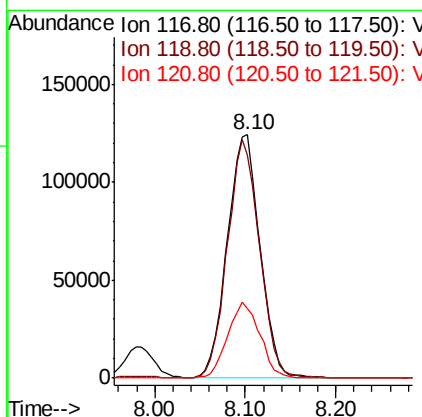
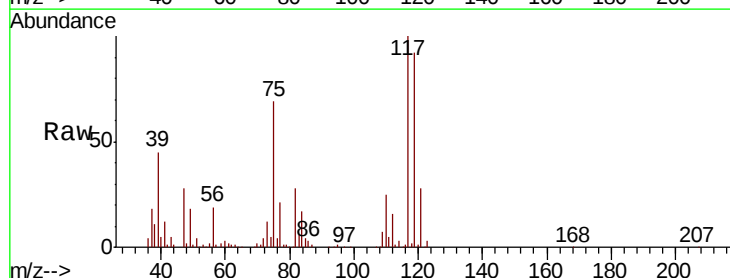
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 119923
Ion Ratio Lower Upper
43 100
61 14.6 10.3 15.5
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 53.479 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 117 Resp: 309879
Ion Ratio Lower Upper
117 100
119 91.6 77.3 115.9
121 28.5 25.0 37.6

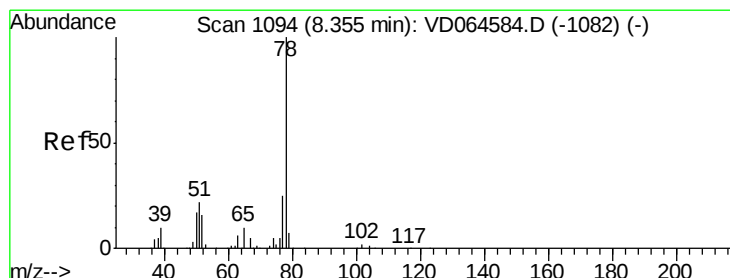
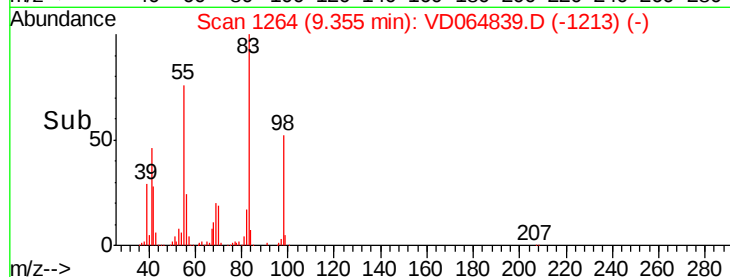
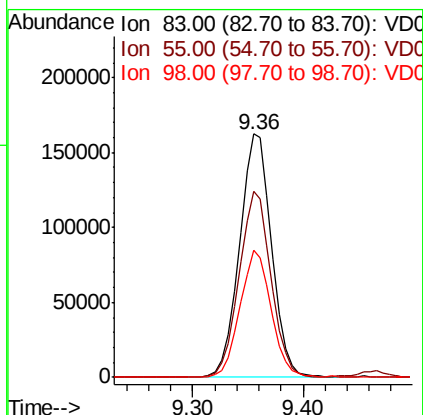
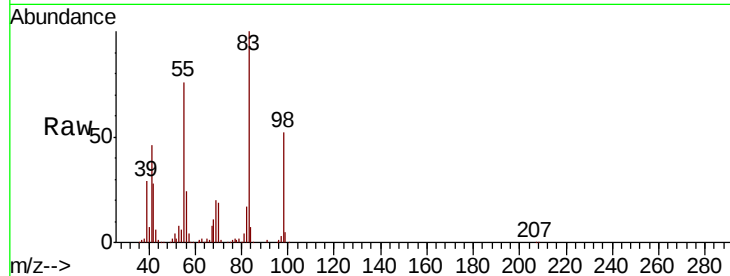




#39
Methvlcvclohexane
Concen: 50.402 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

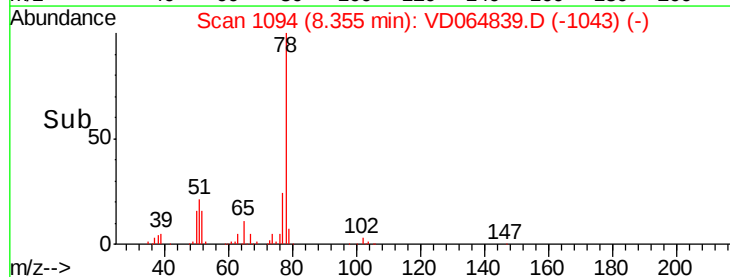
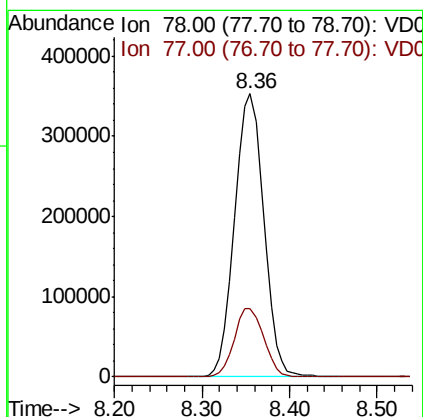
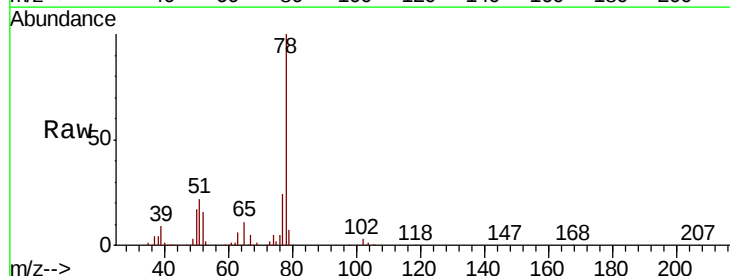
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

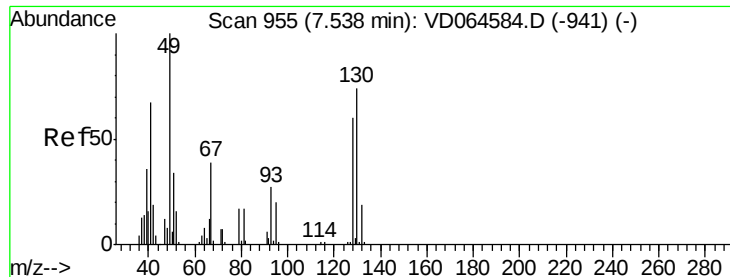
Tot Ion: 83 Resp: 331734
Ion Ratio Lower Upper
83 100
55 76.3 57.8 86.6
98 52.2 38.7 58.1



#40
Benzene
Concen: 53.953 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 78 Resp: 800378
Ion Ratio Lower Upper
78 100
77 24.0 19.9 29.9

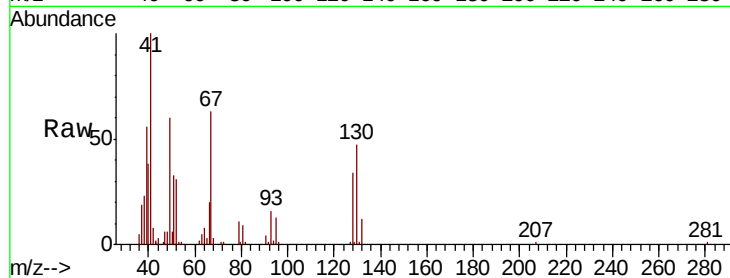




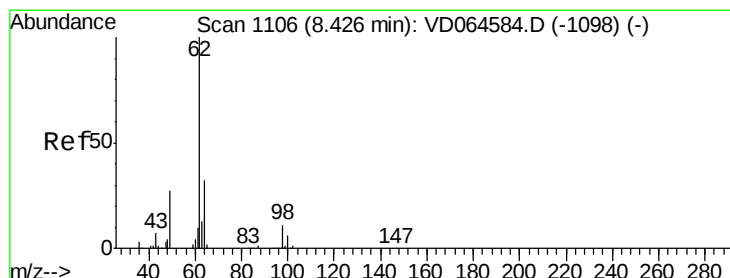
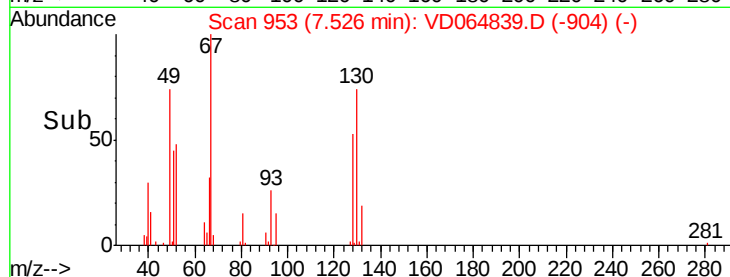
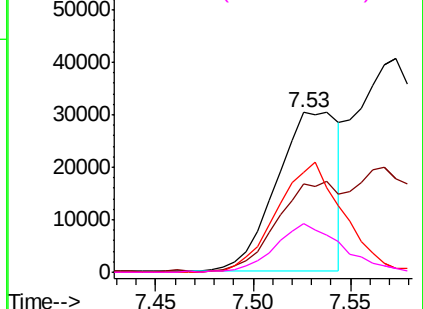
#41
Methacrylonitrile
Concen: 54.204 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 67139
Ion Ratio Lower Upper
41 100
39 55.6 46.7 70.1
67 74.2 52.5 78.7
52 33.2 24.1 36.1

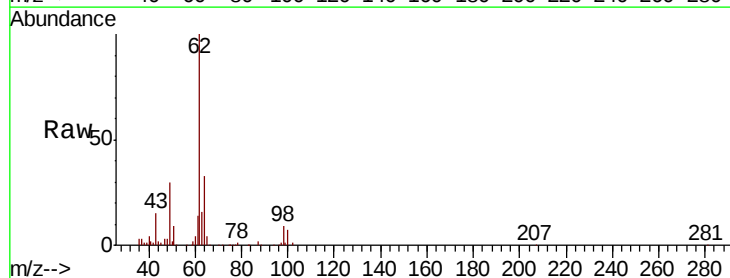


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

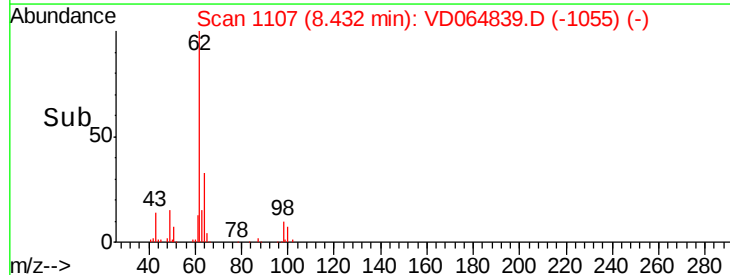
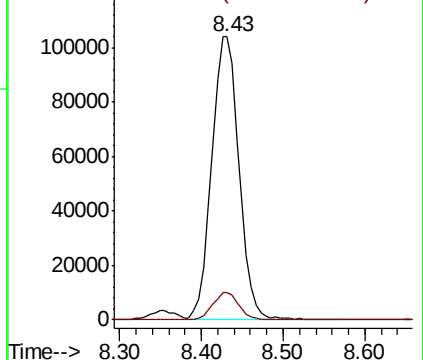


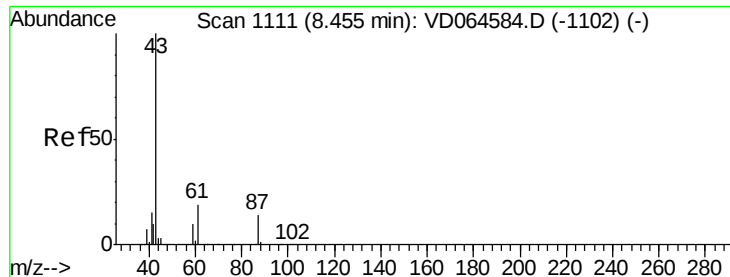
#42
1,2-Dichloroethane
Concen: 56.182 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 62 Resp: 240846
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 55.282 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

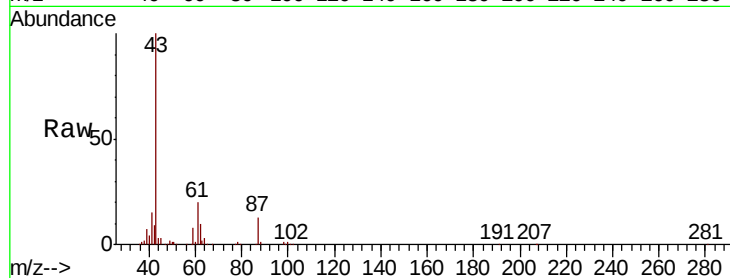
Tot Ion: 43 Resp: 234901

Ion Ratio Lower Upper

43 100

61 30.4 23.7 35.5

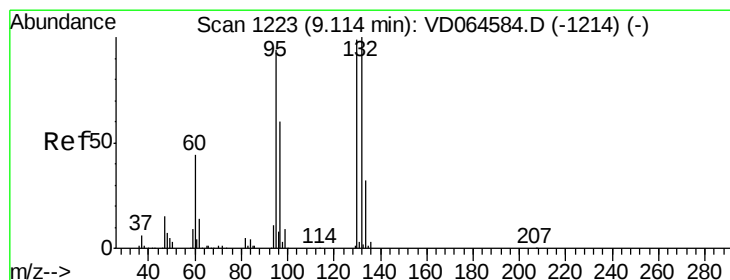
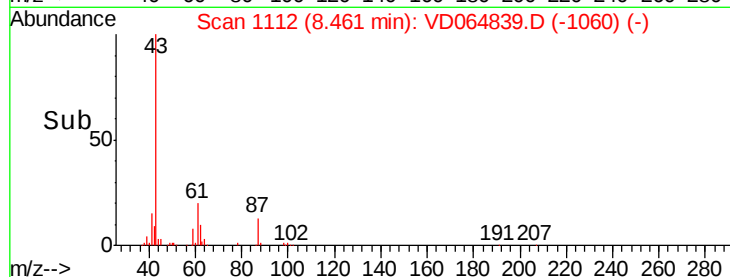
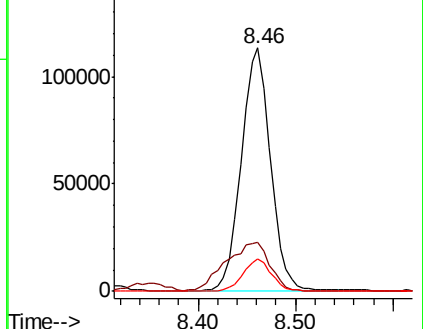
87 12.9 10.5 15.7



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: 52.585 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064839.D

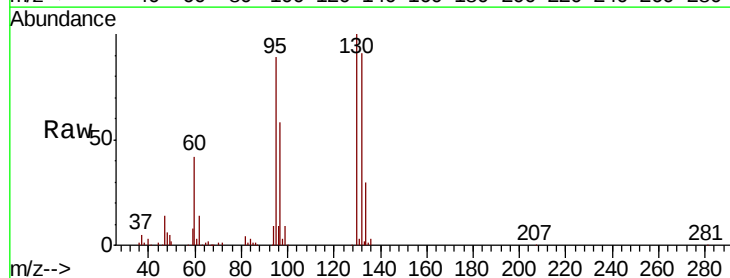
Acq: 10 Jan 2020 18:30

Tgt Ion:130 Resp: 229164

Ion Ratio Lower Upper

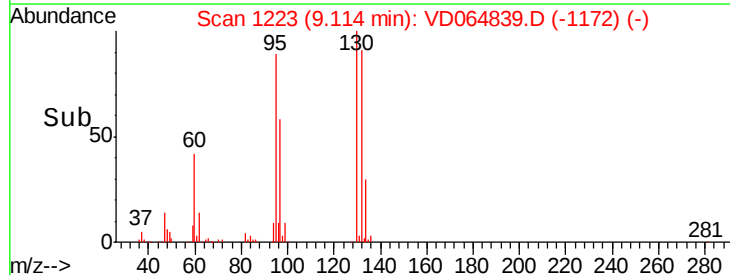
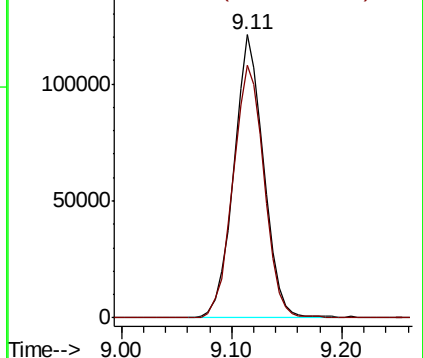
130 100

95 89.2 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.930 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

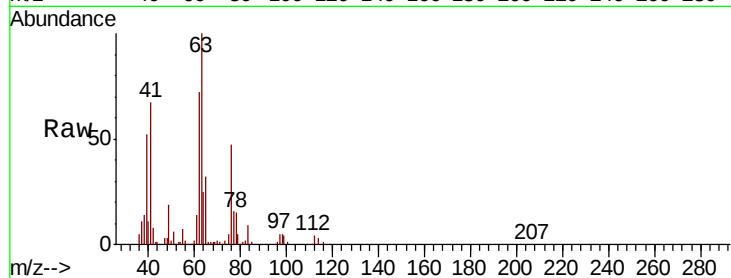
VSTDCCC050EC

Tot Ion: 63 Resp: 198102

Ion Ratio Lower Upper

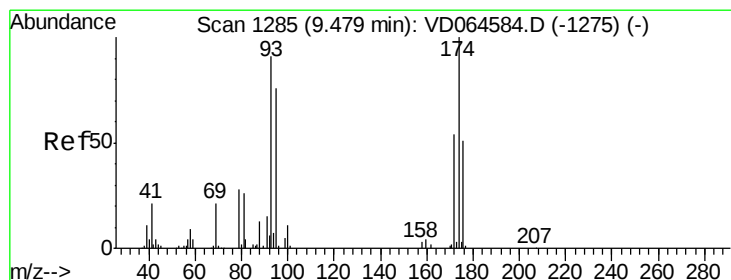
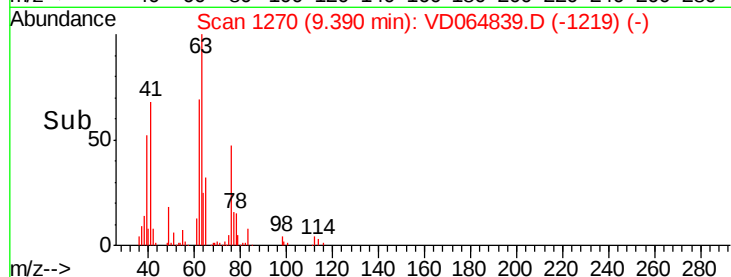
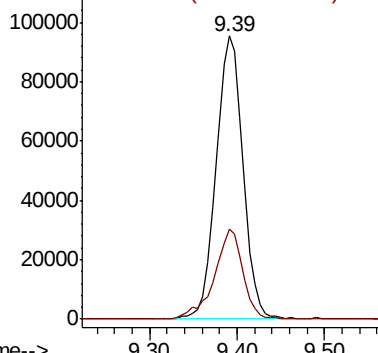
63 100

65 31.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 55.074 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

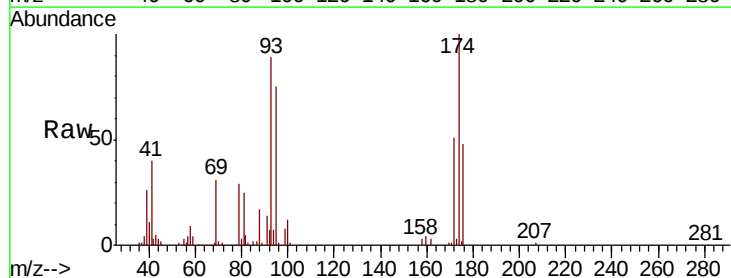
Tgt Ion: 93 Resp: 108759

Ion Ratio Lower Upper

93 100

95 78.6 64.6 97.0

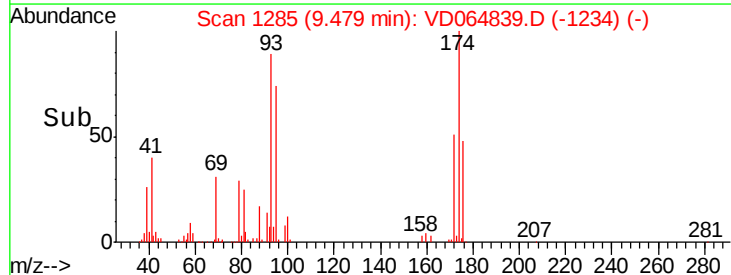
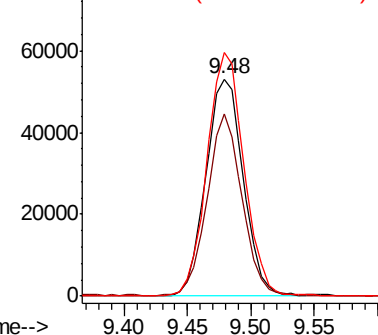
174 110.9 88.1 132.1

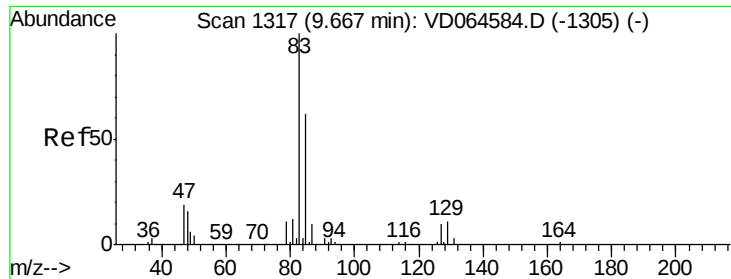


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.549 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

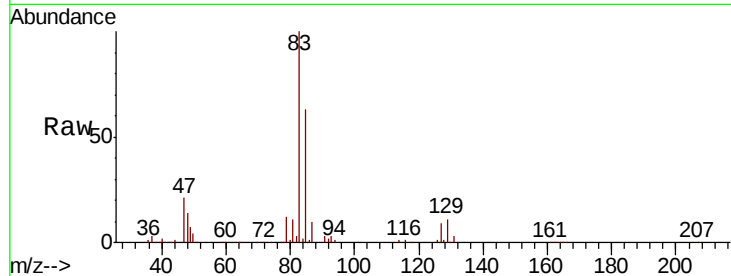
Tot Ion: 83 Resp: 291897

Ion Ratio Lower Upper

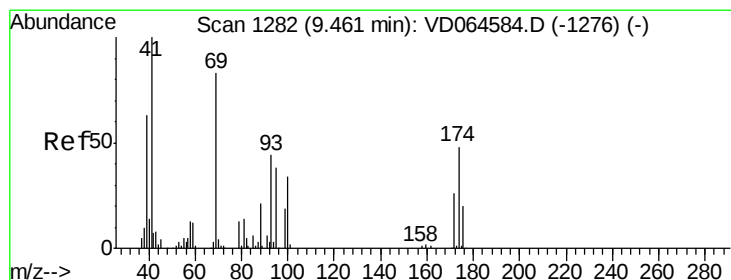
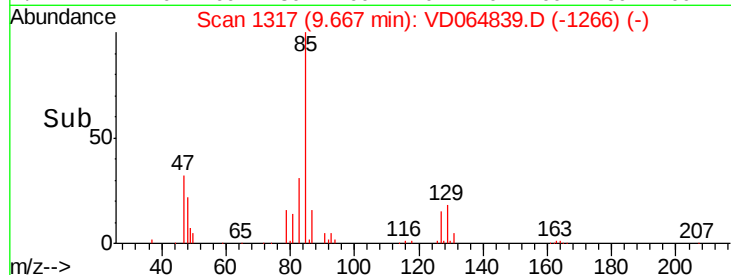
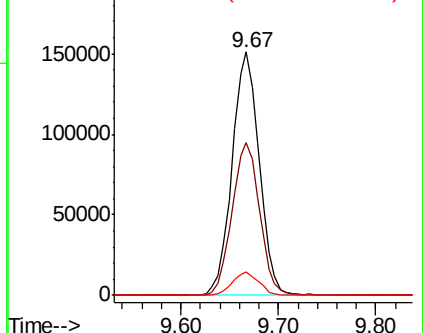
83 100

85 62.8 49.5 74.3

127 9.4 7.8 11.6



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: 55.045 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

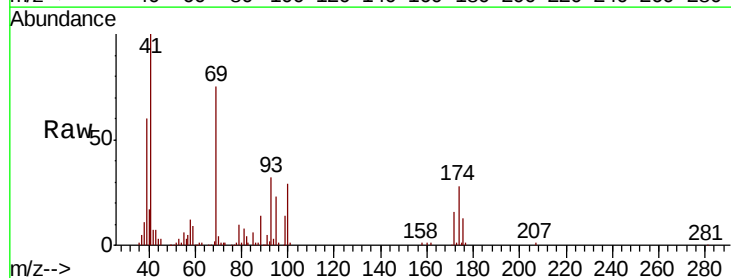
Tgt Ion: 41 Resp: 110131

Ion Ratio Lower Upper

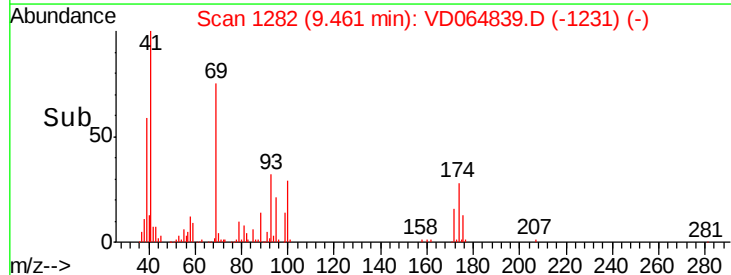
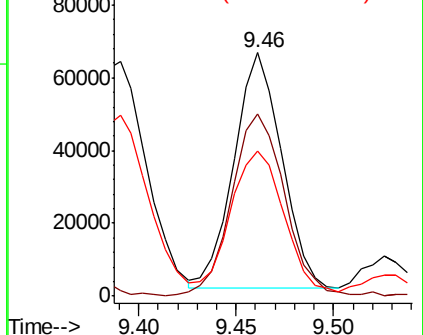
41 100

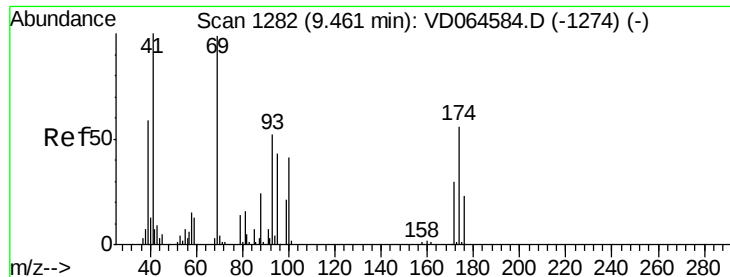
69 84.3 63.0 94.6

39 65.5 47.4 71.2



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

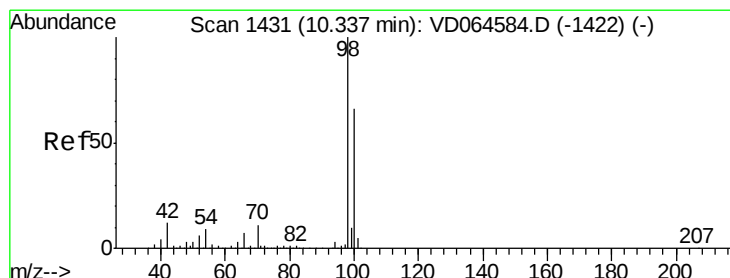
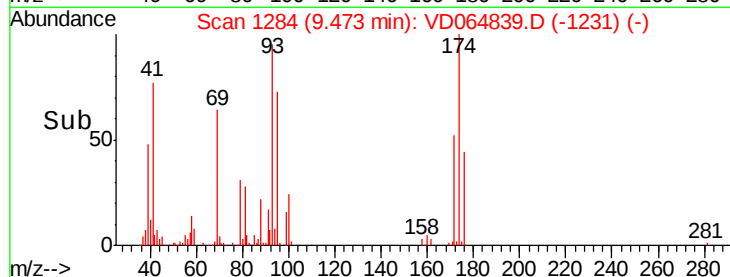
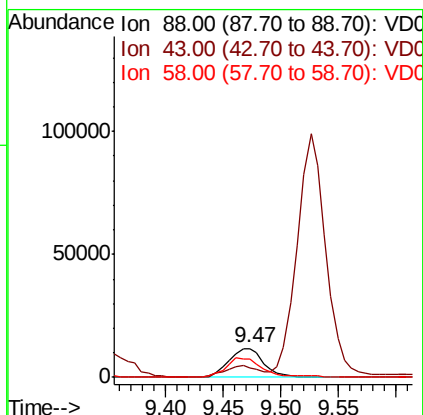
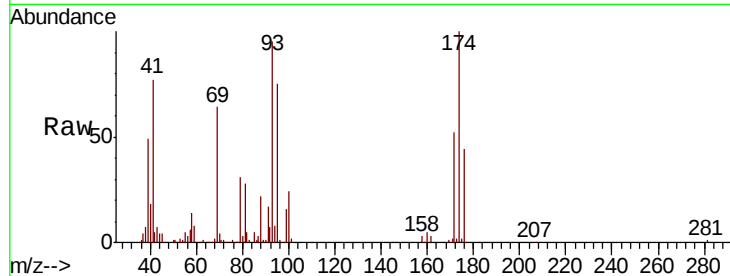




#49
1,4-Dioxane
Concen: 1101.516 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

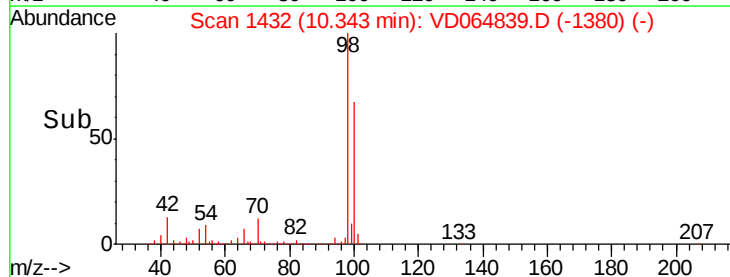
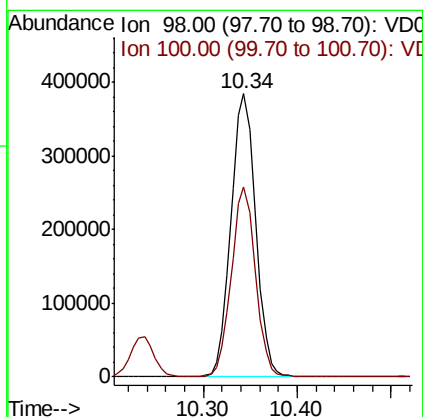
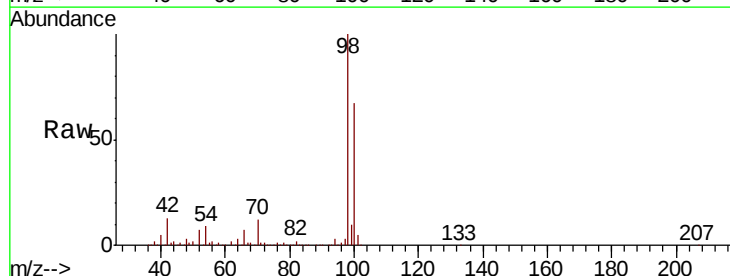
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

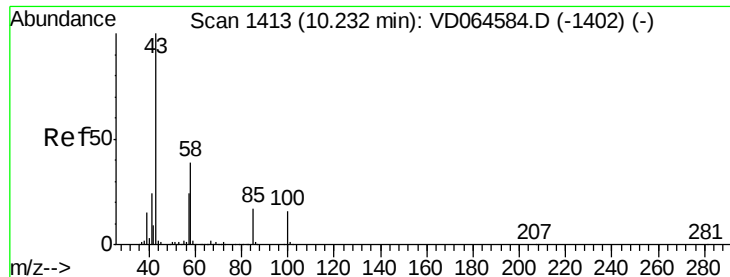
Tot Ion: 88 Resp: 25082
Ion Ratio Lower Upper
88 100
43 37.1 27.7 41.5
58 64.9 53.8 80.6



#50
Toluene-d8
Concen: 53.130 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 98 Resp: 704833
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 285.975 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

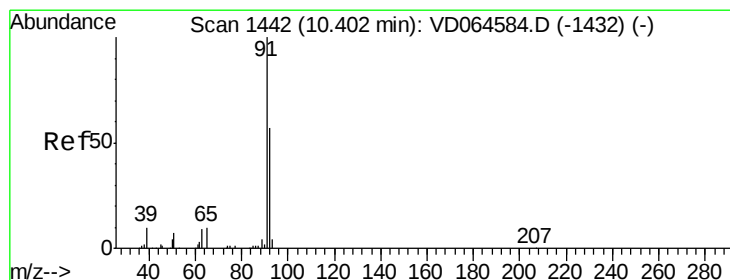
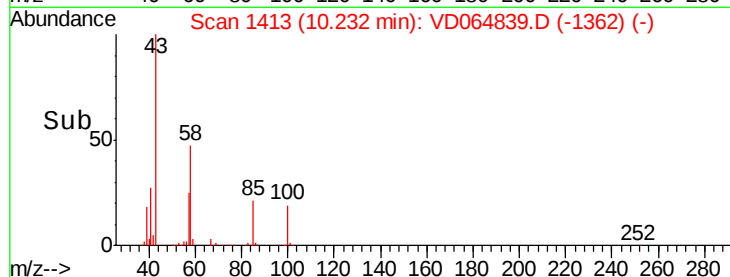
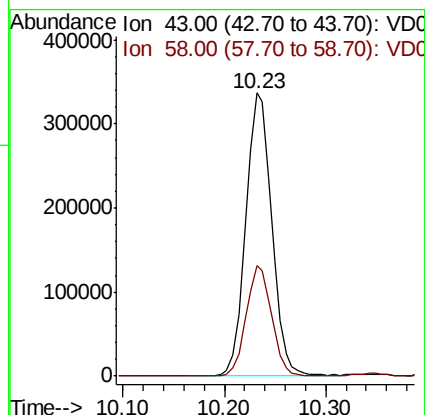
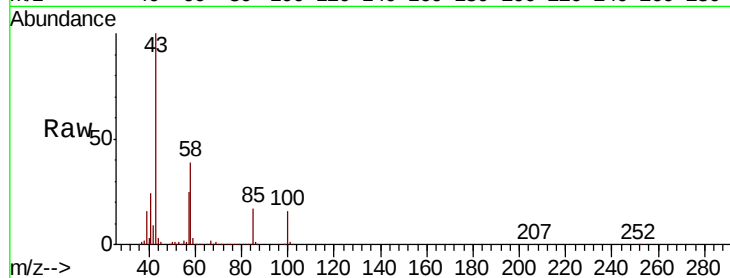
VSTDCCC050EC

Tot Ion: 43 Resp: 600627

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2



#52

Toluene

Concen: 54.033 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064839.D

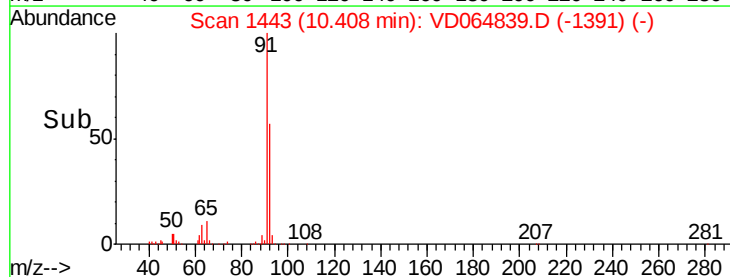
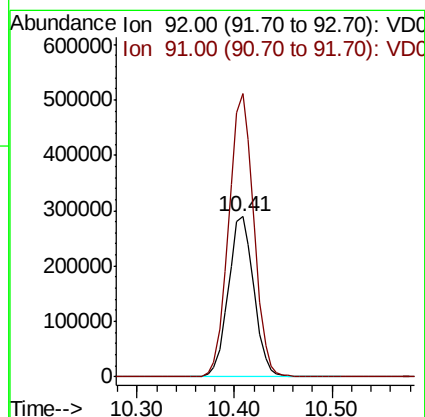
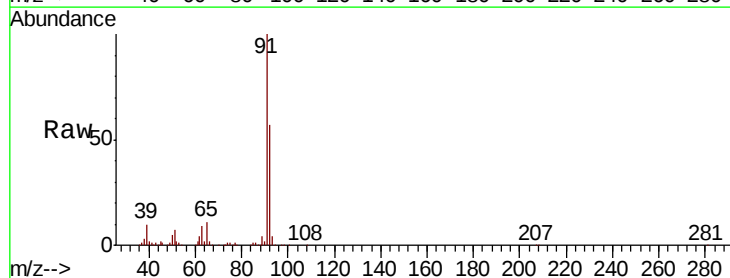
Acq: 10 Jan 2020 18:30

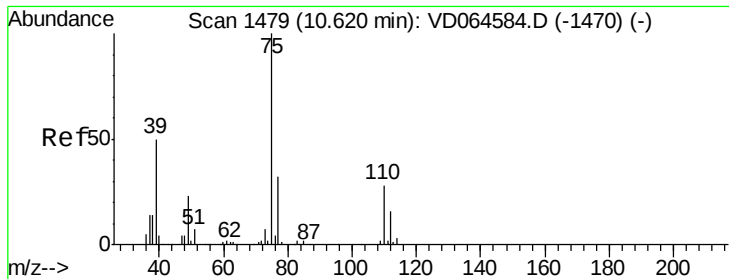
Tgt Ion: 92 Resp: 525886

Ion Ratio Lower Upper

92 100

91 173.0 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 56.089 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

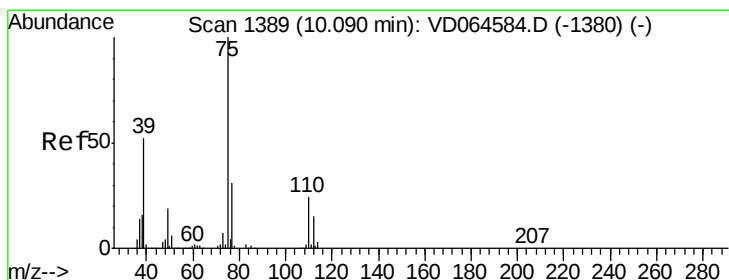
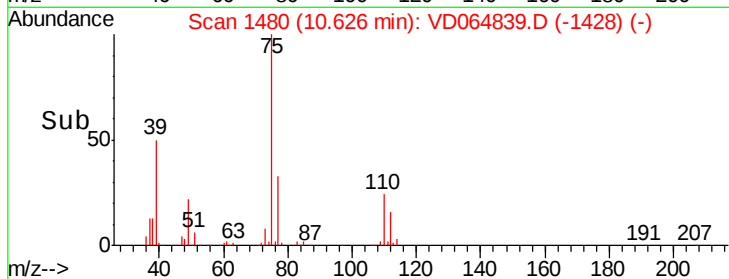
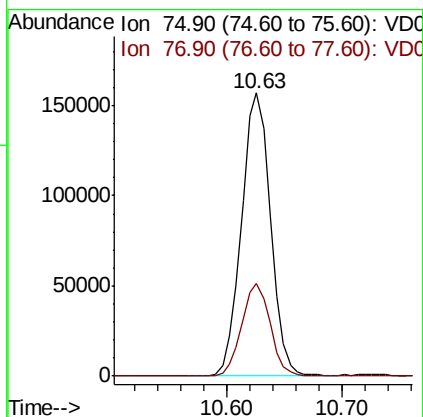
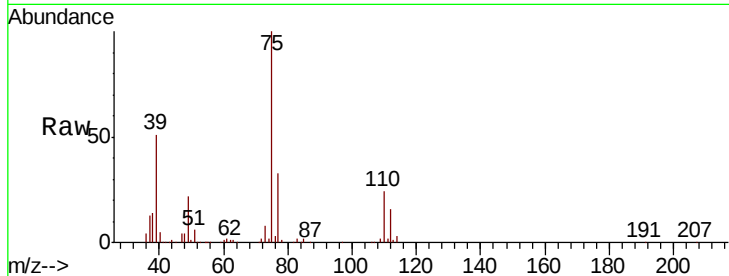
VSTDCCC050EC

Tot Ion: 75 Resp: 274788

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 55.871 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

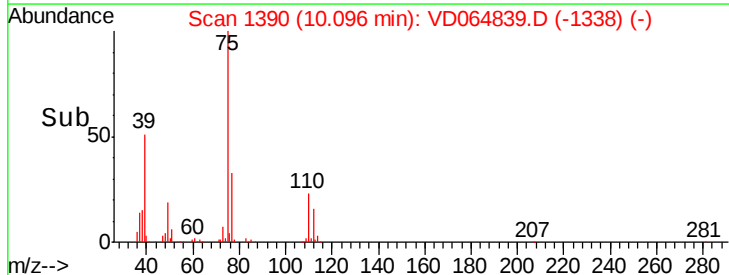
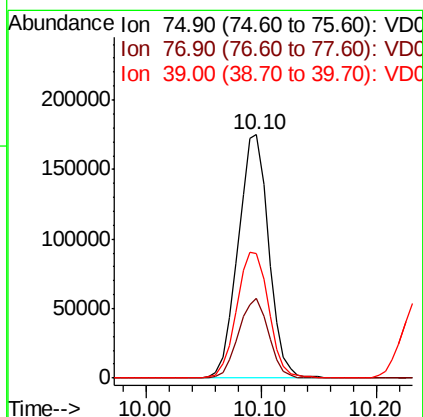
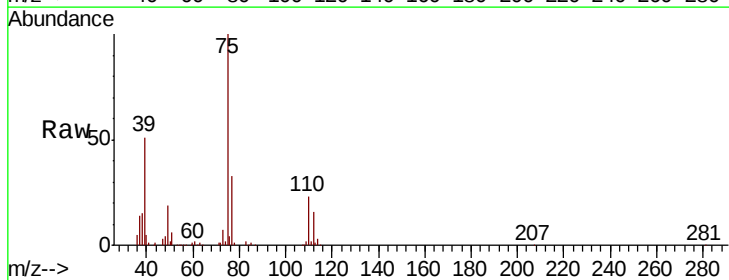
Tgt Ion: 75 Resp: 322754

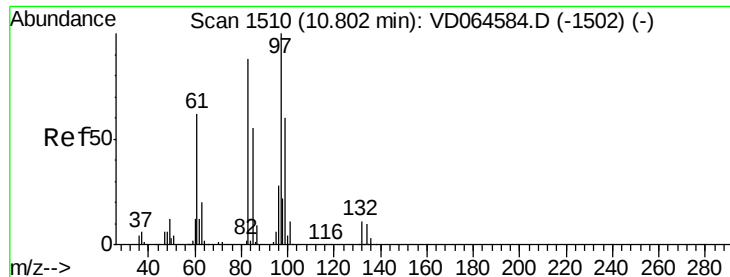
Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8

39 51.0 41.4 62.2

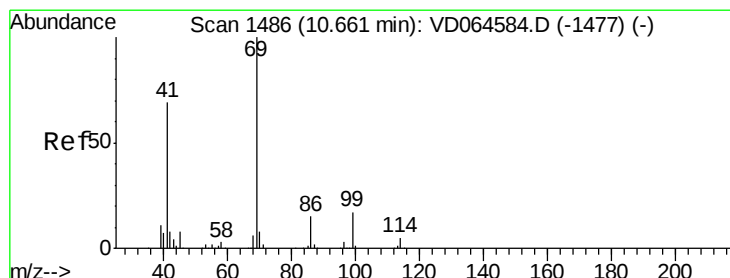
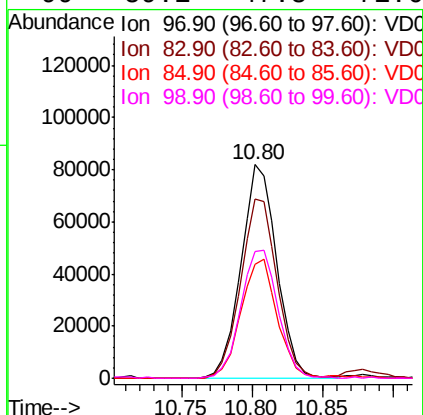
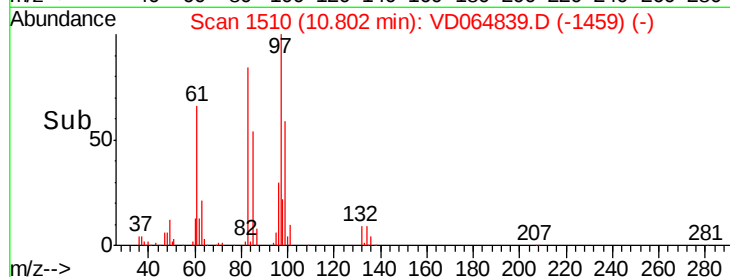
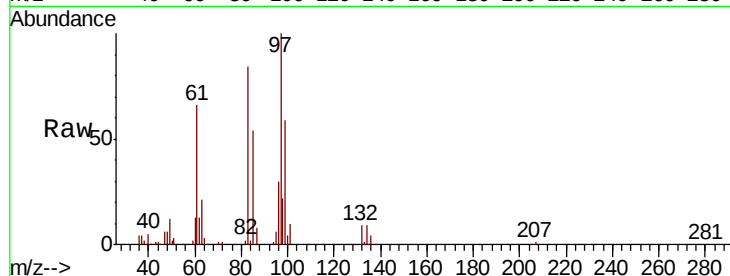




#55
 1,1,2-Trichloroethane
 Concen: 54.722 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

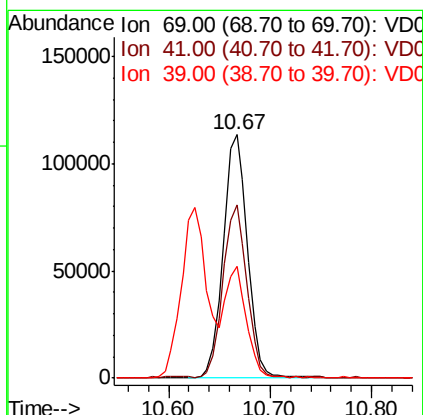
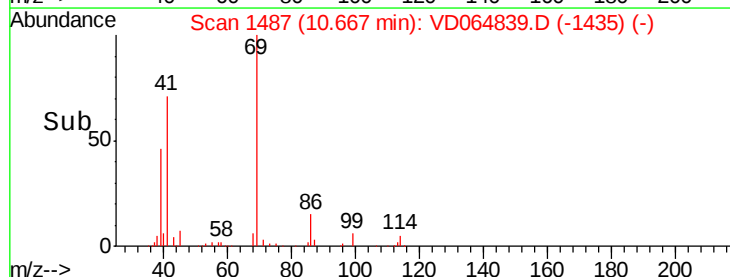
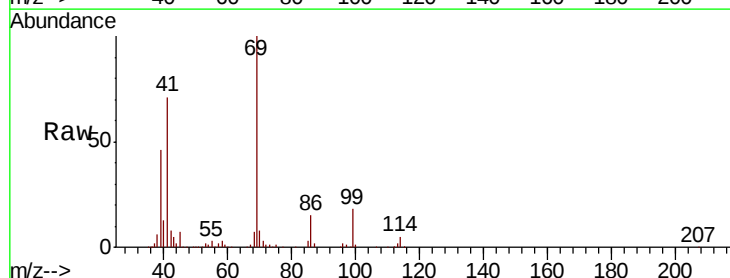
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

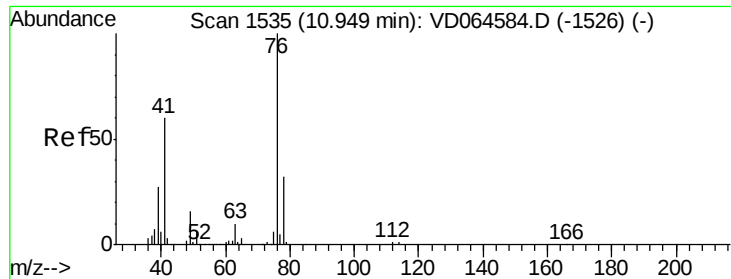
Tot Ion: 97 Resp: 145633
 Ion Ratio Lower Upper
 97 100
 83 84.0 70.2 105.4
 85 53.6 44.0 66.0
 99 59.1 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 56.623 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion: 69 Resp: 188197
 Ion Ratio Lower Upper
 69 100
 41 69.8 55.3 82.9
 39 39.3 33.8 50.8

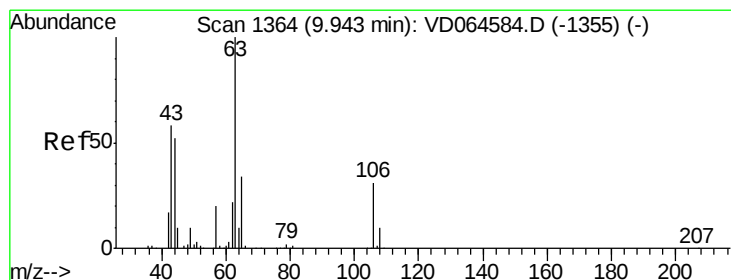
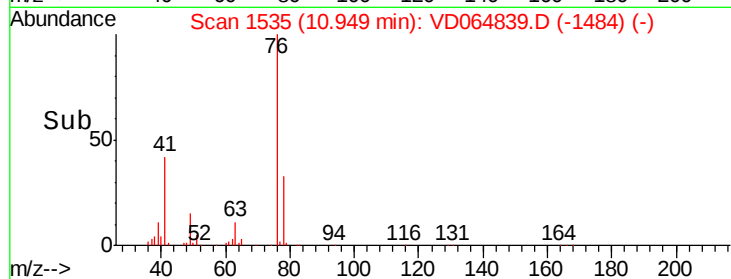
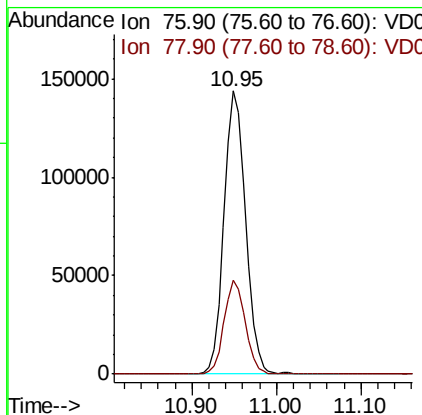
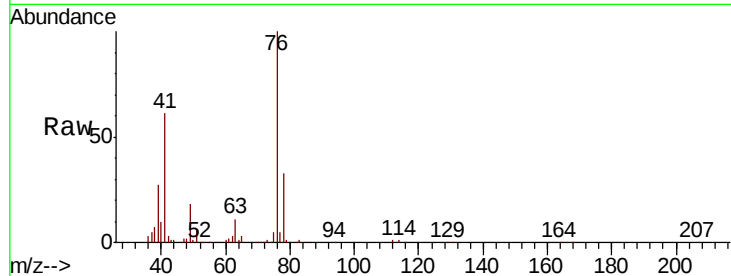




#57
 1,3-Dichloropropane
 Concen: 55.479 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

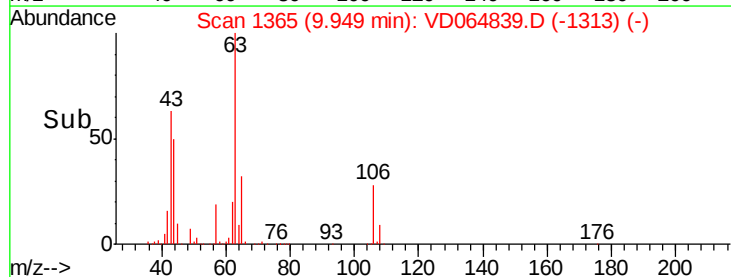
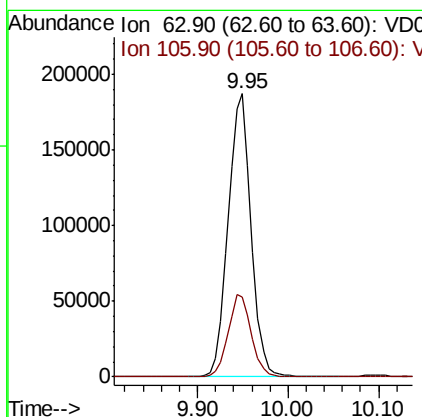
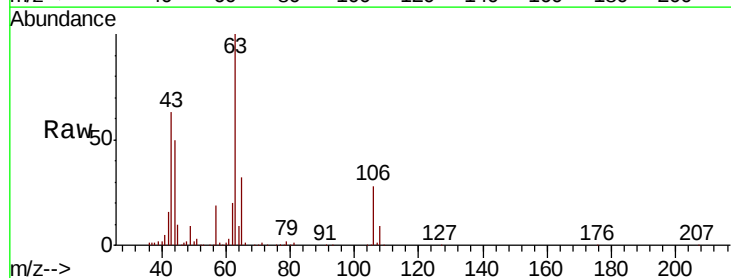
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

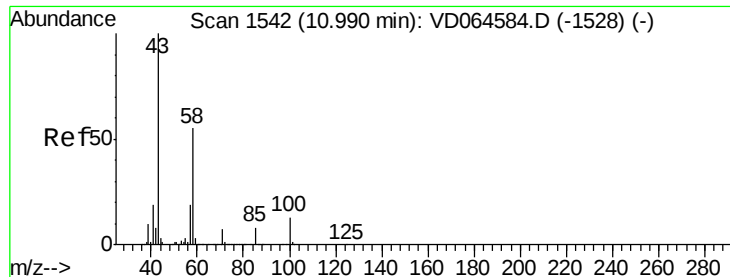
Tot Ion: 76 Resp: 254221
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.409 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion: 63 Resp: 328488
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.8

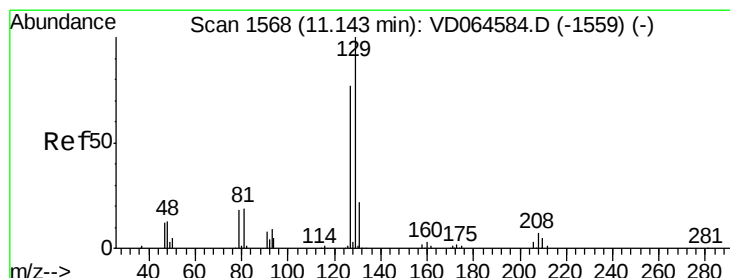
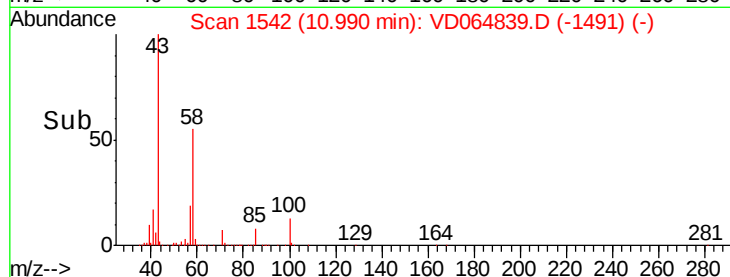
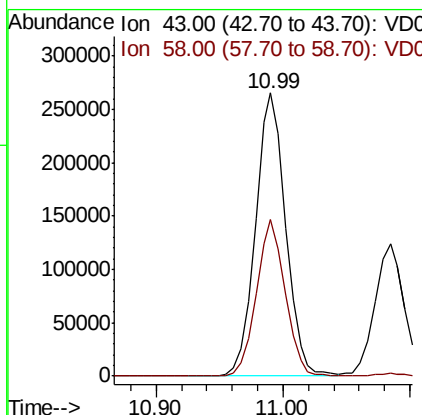
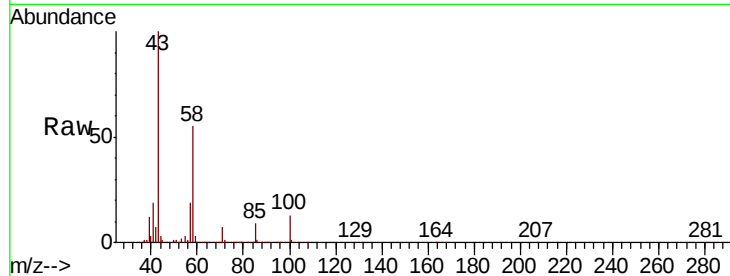




#59
2-Hexanone
Concen: 308.452 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

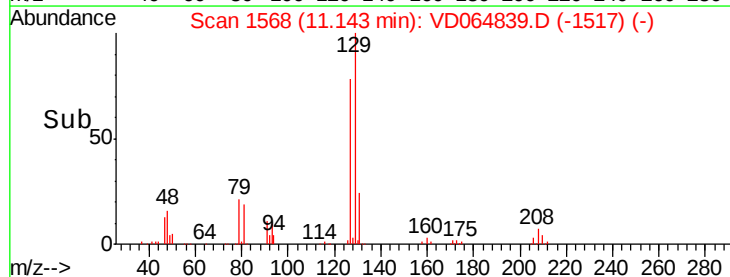
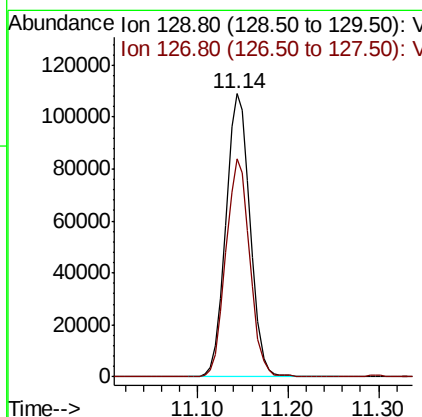
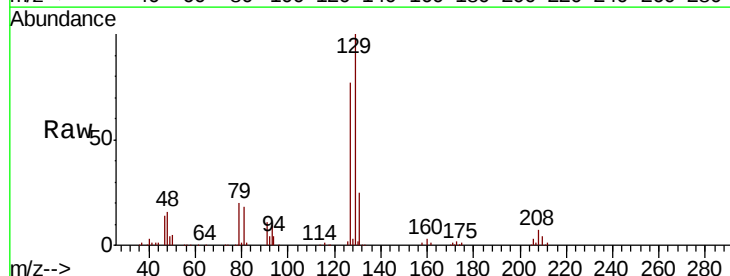
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

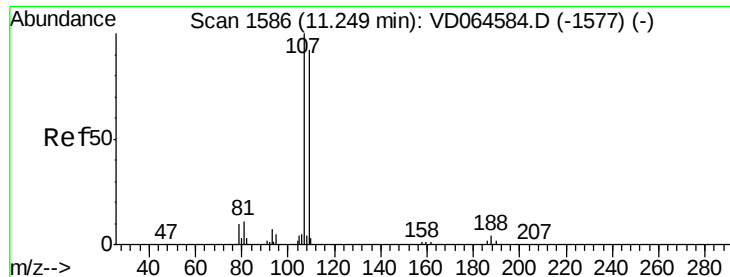
Tot Ion: 43 Resp: 439698
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 54.763 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 129 Resp: 201544
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2

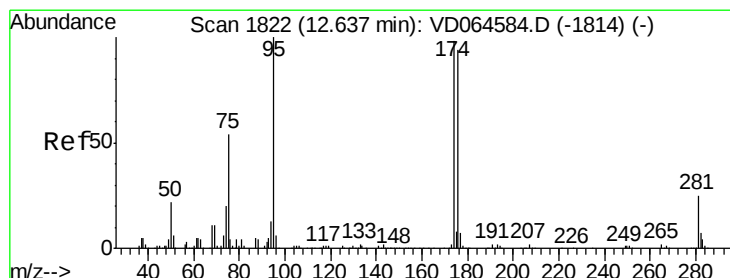
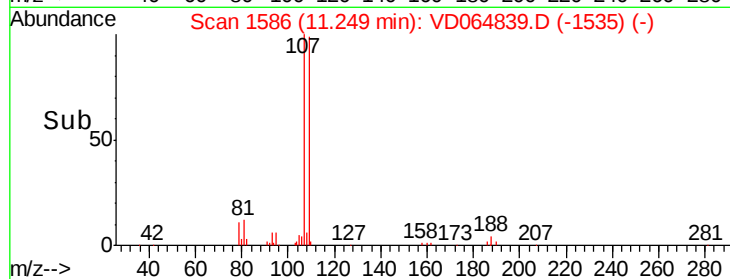
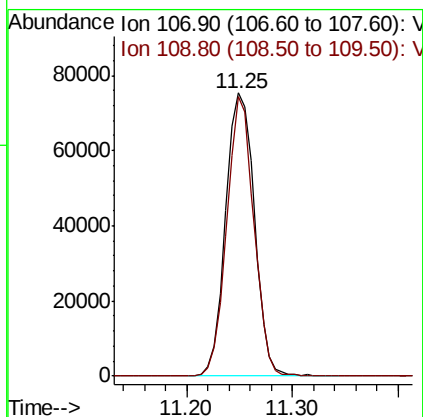
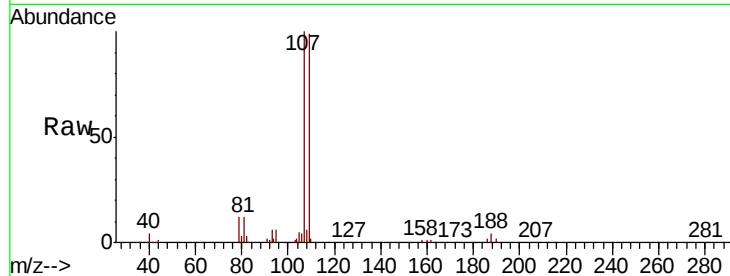




#61
 1,2-Dibromoethane
 Concen: 53.983 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

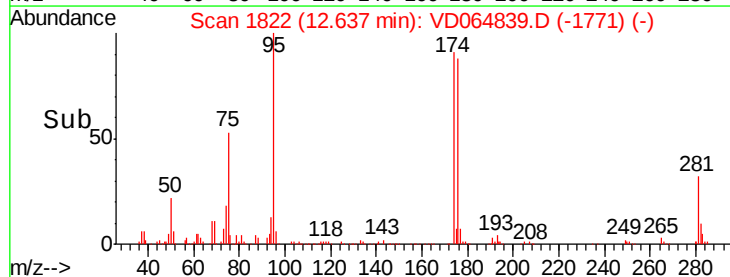
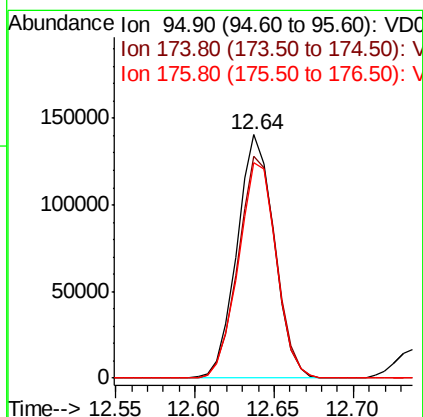
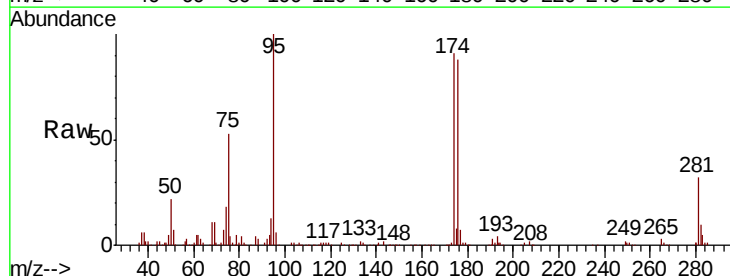
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

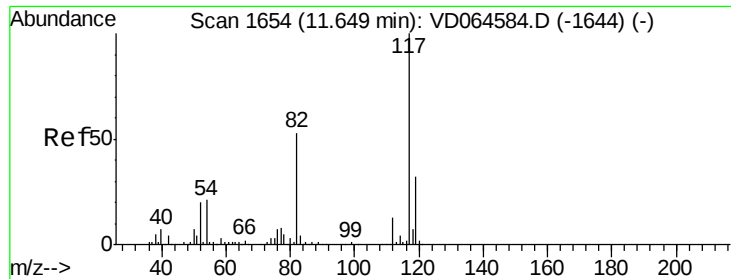
Tot Ion: 107 Resp: 141702
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.425 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion: 95 Resp: 228310
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 193.2
 176 90.3 0.0 184.2

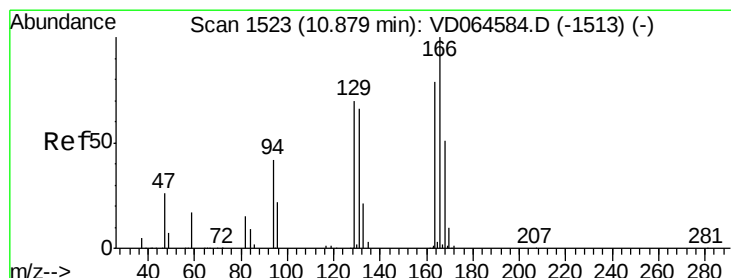
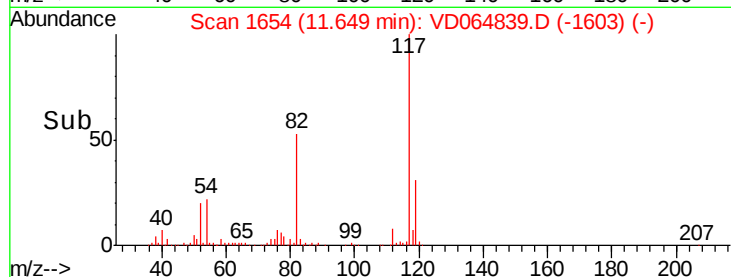
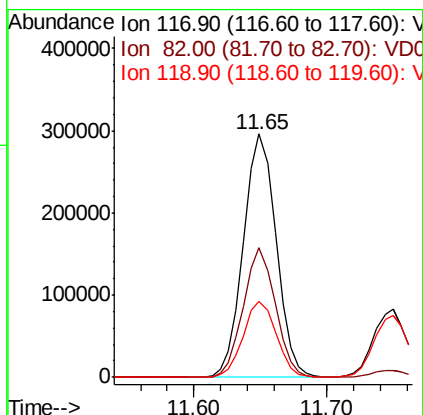
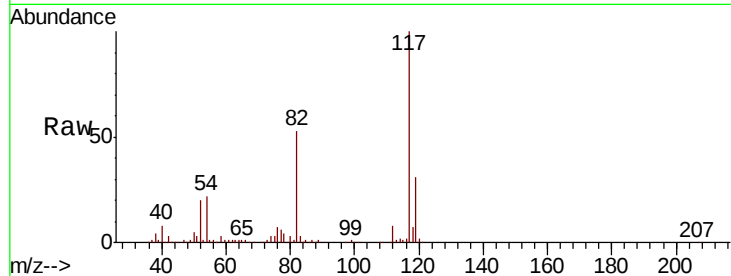




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

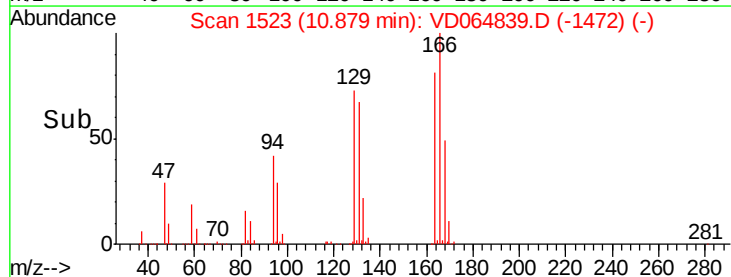
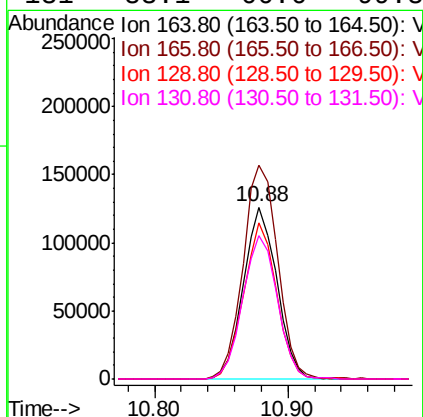
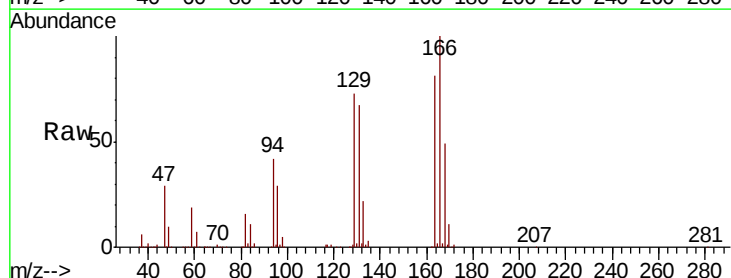
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

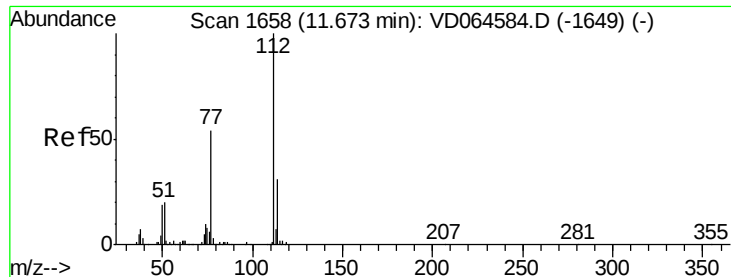
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	31.2	26.0	39.0



#64
Tetrachloroethene
Concen: 56.589 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.3	151.9
129	90.7	70.5	105.7
131	83.1	66.6	99.8

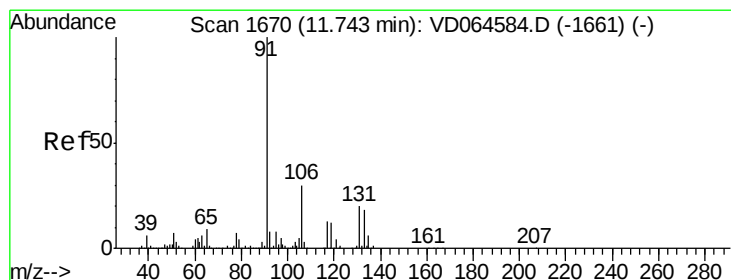
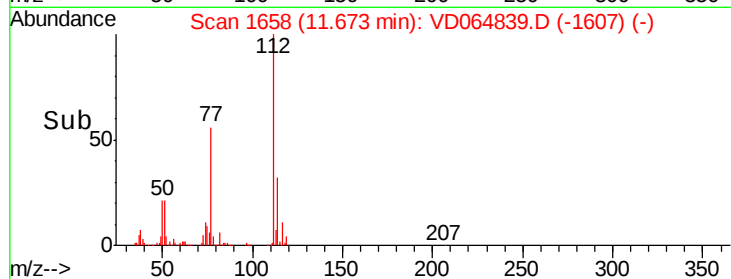
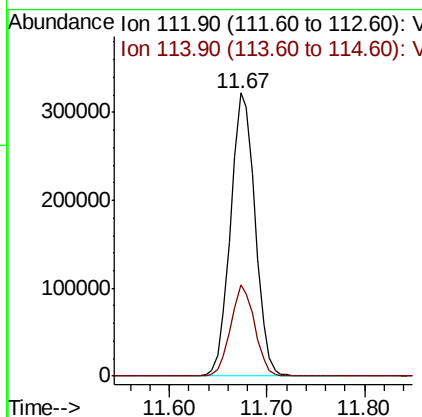
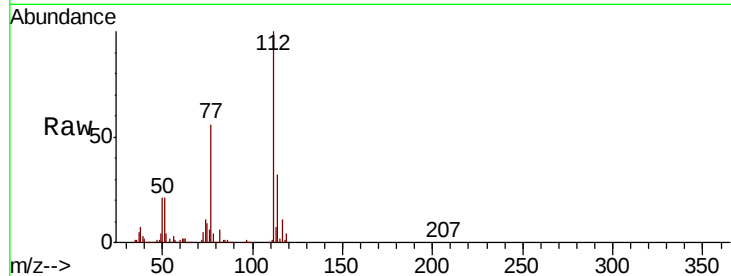




#65
Chlorobenzene
Concen: 53.730 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

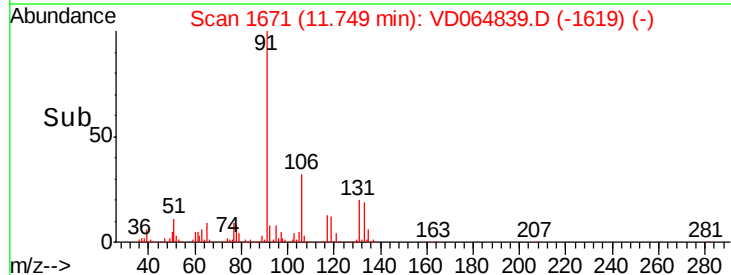
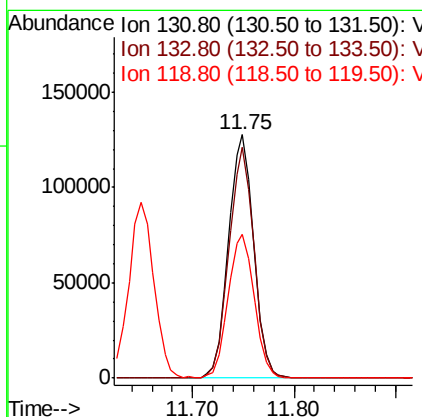
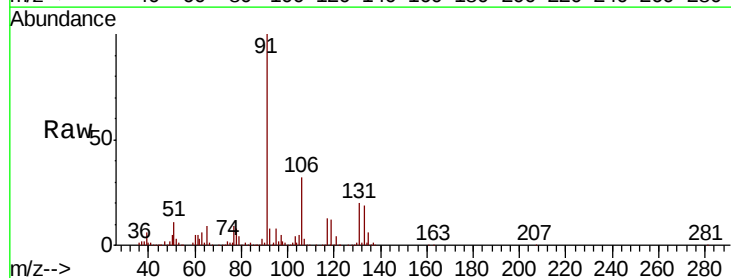
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

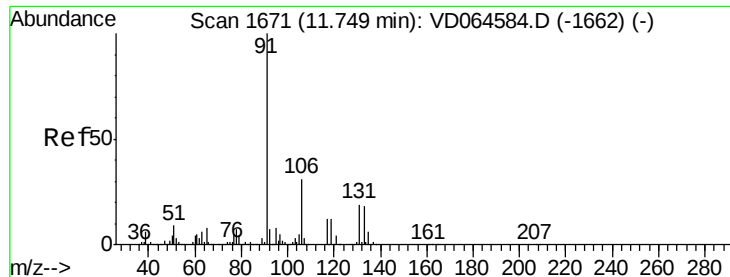
Tot Ion:112 Resp: 561279
Ion Ratio Lower Upper
112 100
114 32.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.807 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion:131 Resp: 219773
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.8
119 60.9 32.1 96.3





#67

Ethyl Benzene

Concen: 53.472 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

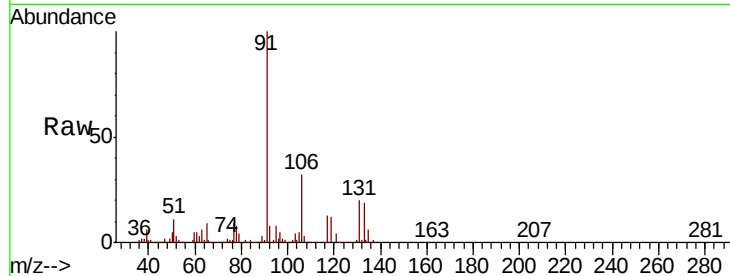
VSTDCCC050EC

Tot Ion: 91 Resp: 1013854

Ion Ratio Lower Upper

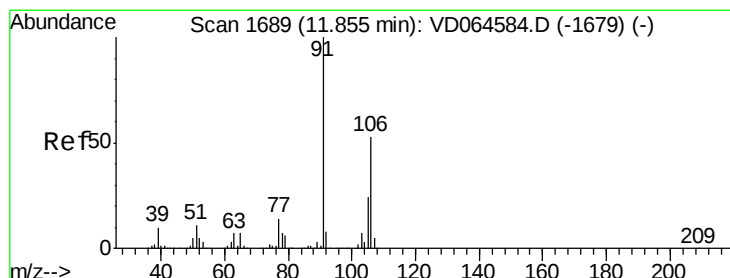
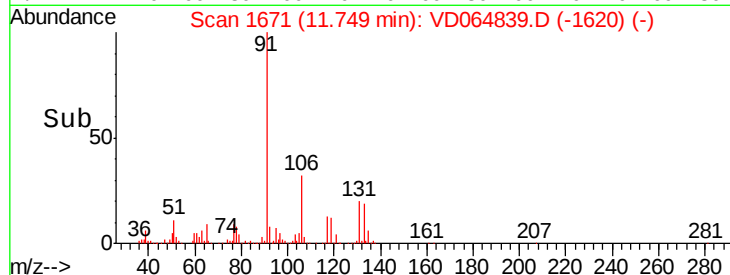
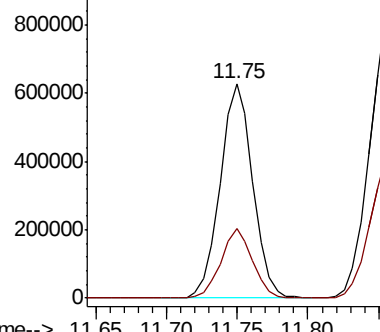
91 100

106 32.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.796 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064839.D

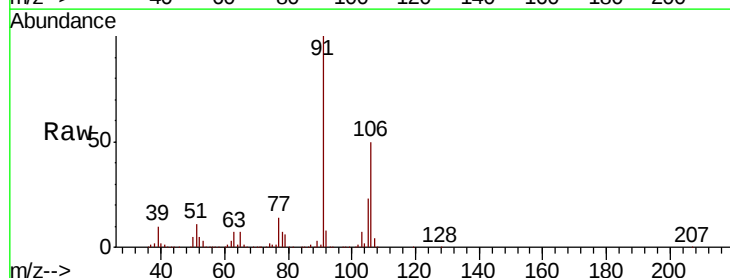
Acq: 10 Jan 2020 18:30

Tgt Ion: 106 Resp: 788894

Ion Ratio Lower Upper

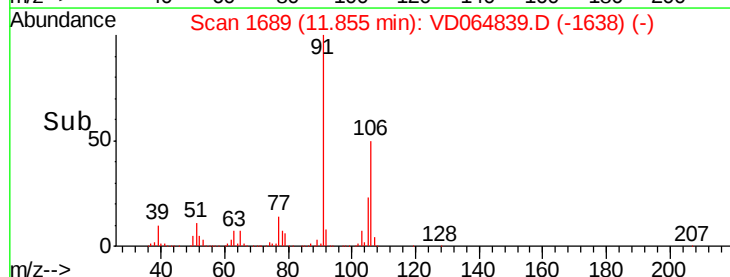
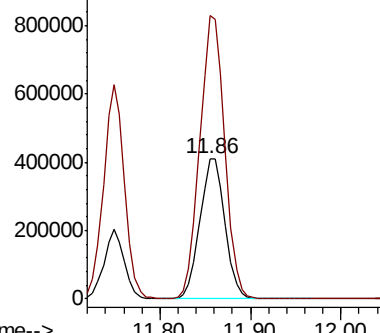
106 100

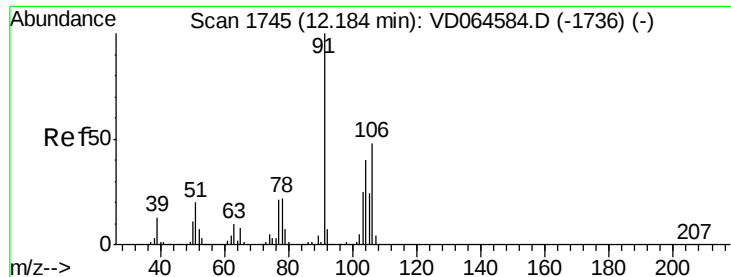
91 200.7 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

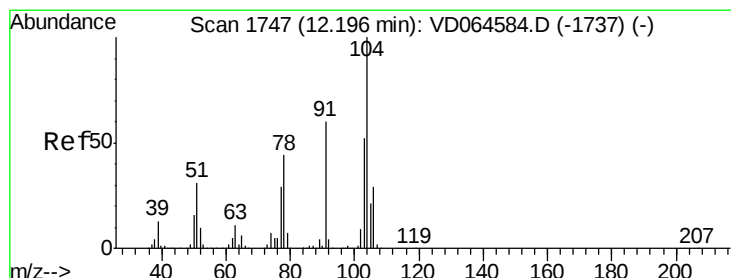
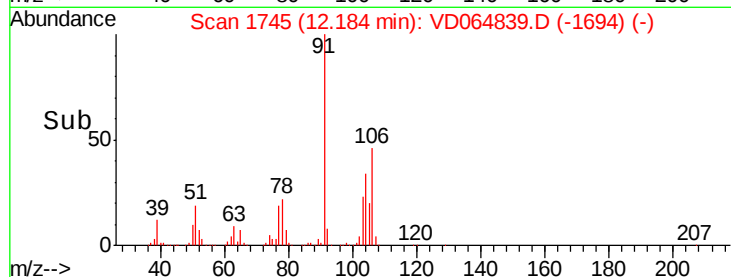
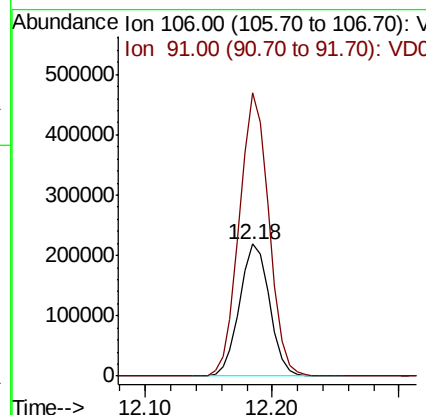
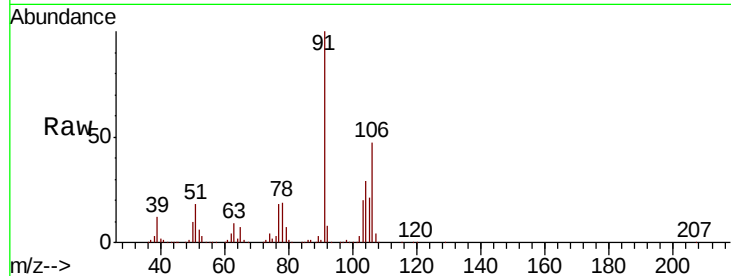




#69
o-Xylene
Concen: 54.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

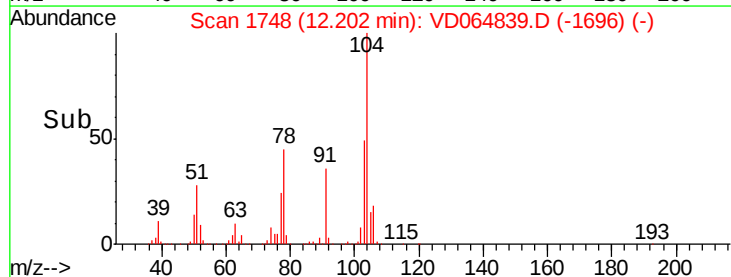
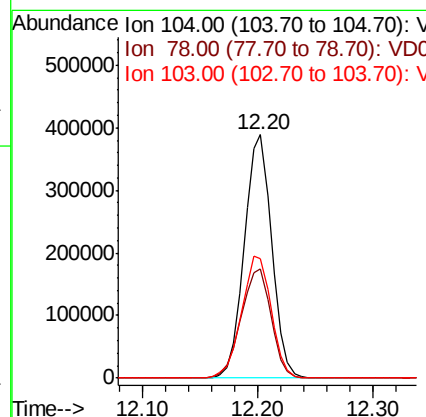
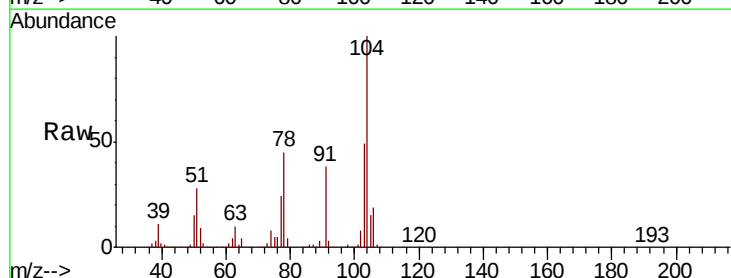
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

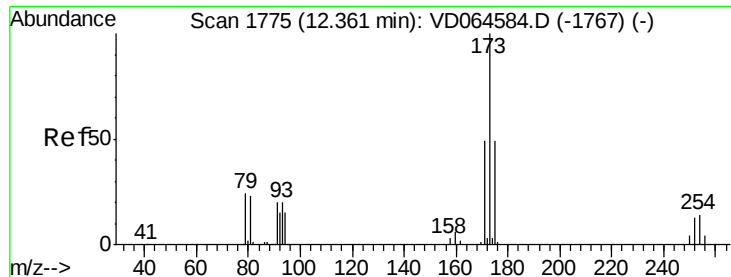
Tot Ion:106 Resp: 358129
Ion Ratio Lower Upper
106 100
91 211.1 104.8 314.4



#70
Styrene
Concen: 55.009 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion:104 Resp: 638266
Ion Ratio Lower Upper
104 100
78 49.5 38.2 57.2
103 54.6 44.6 67.0





#71

Bromoform

Concen: 54.362 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

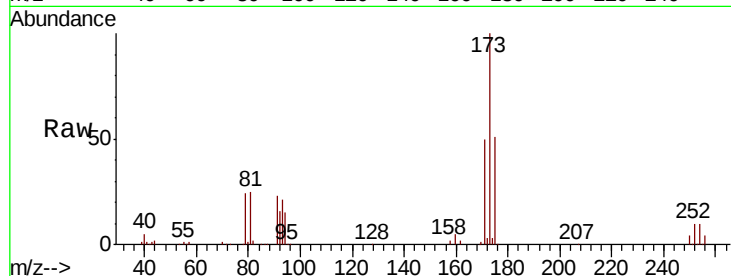
Tot Ion:173 Resp: 122086

Ion Ratio Lower Upper

173 100

175 47.8 24.6 73.8

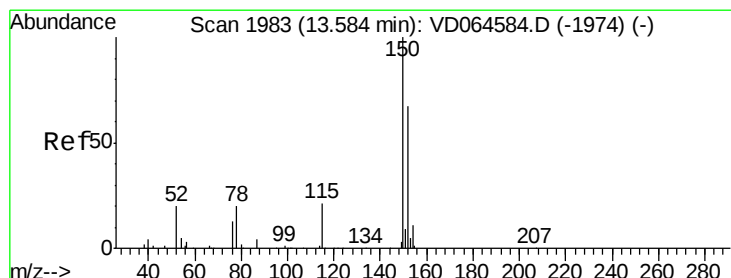
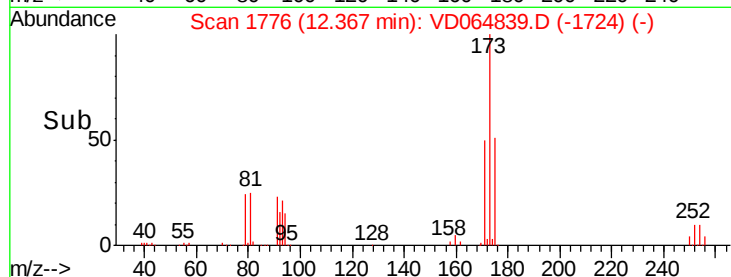
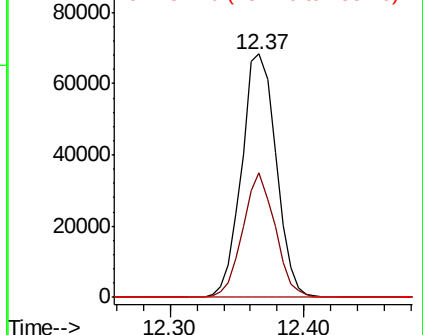
254 0.1 0.1 0.1#



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# 1983

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

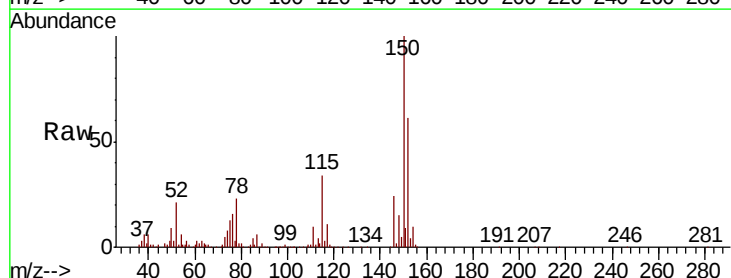
Tgt Ion:152 Resp: 249468

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

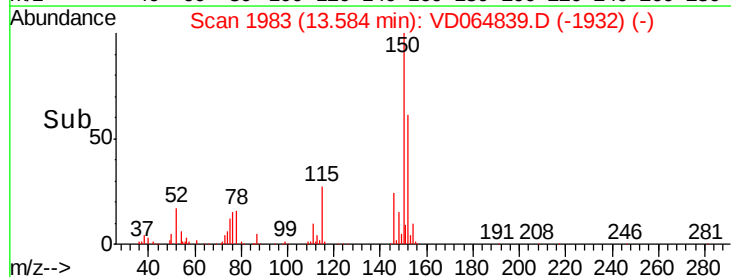
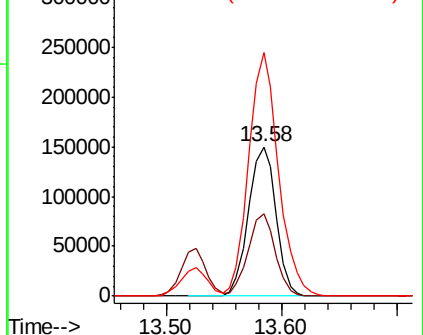
150 176.3 0.0 351.4

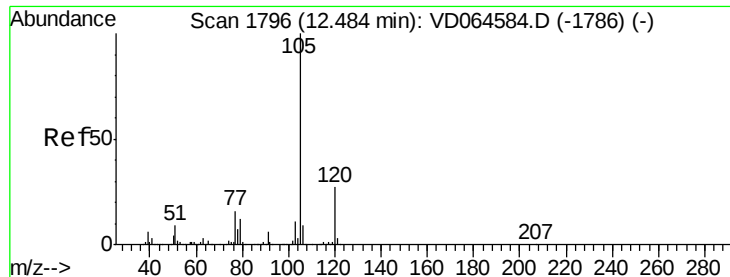


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.440 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

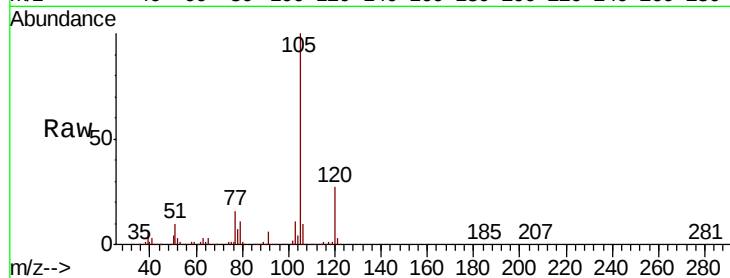
VSTDCCC050EC

Tot Ion:105 Resp: 970538

Ion Ratio Lower Upper

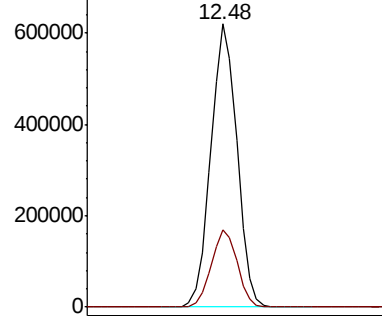
105 100

120 26.9 13.5 40.5

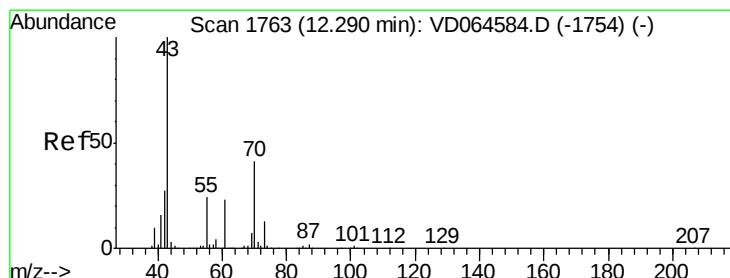
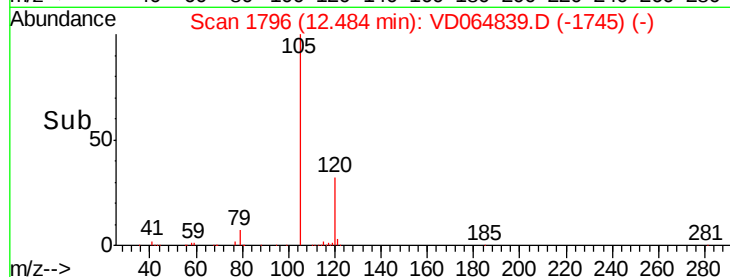


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 57.450 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion: 43 Resp: 218937

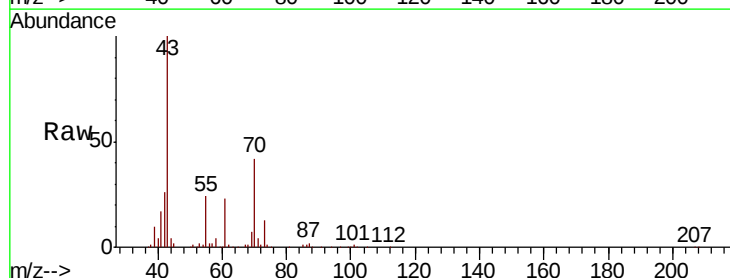
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 25.0 19.4 29.0

61 22.9 18.3 27.5

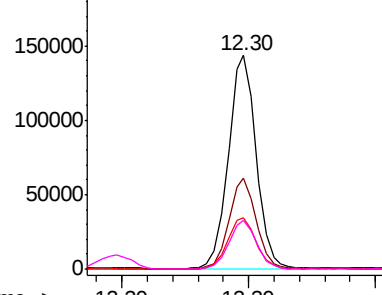


Abundance Ion 43.00 (42.70 to 43.70): V

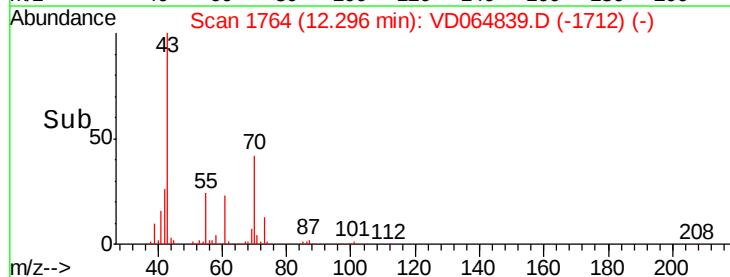
Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.614 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

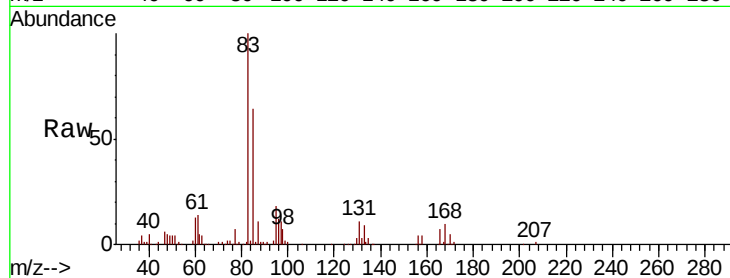
Tot Ion: 83 Resp: 155750

Ion Ratio Lower Upper

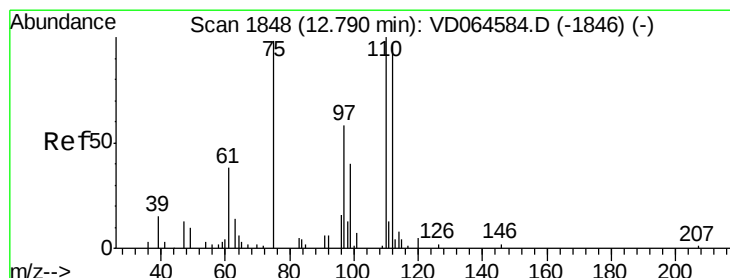
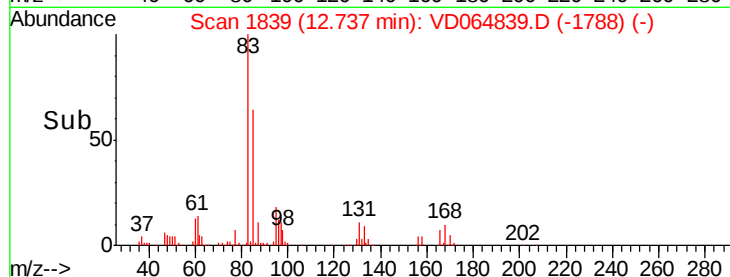
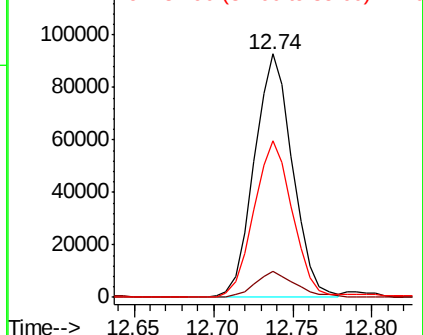
83 100

131 11.1 5.8 17.4

85 66.2 32.3 96.9



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: 107.060 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064839.D

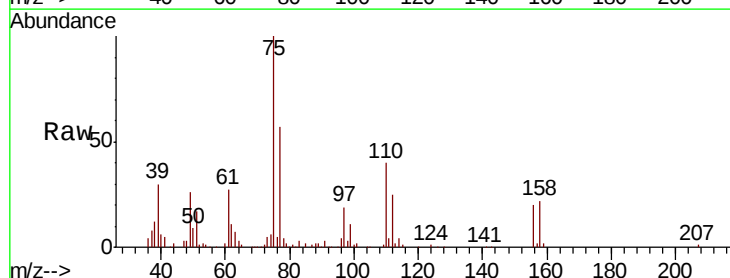
Acq: 10 Jan 2020 18:30

Tgt Ion: 75 Resp: 210903

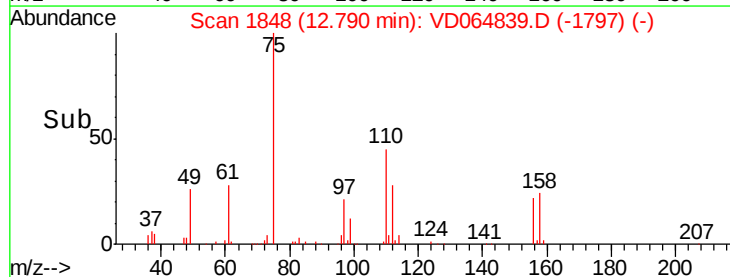
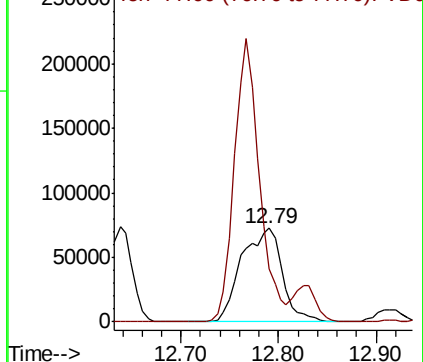
Ion Ratio Lower Upper

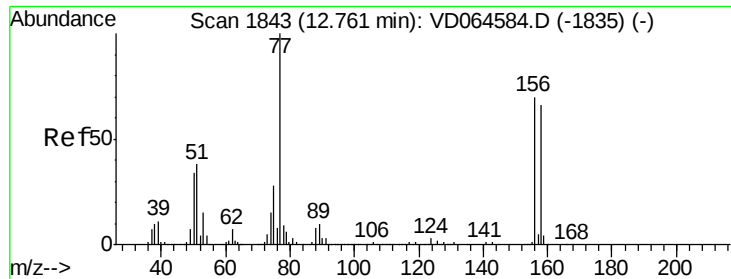
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 54.166 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

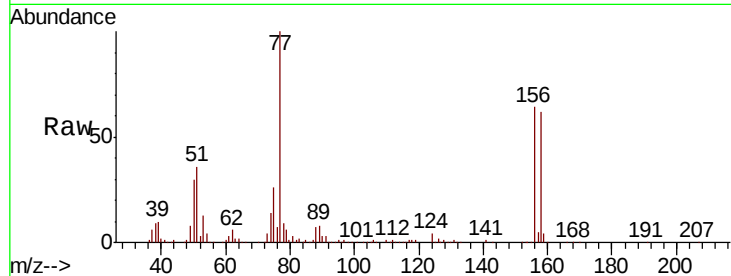
Tot Ion:156 Resp: 237274

Ion Ratio Lower Upper

156 100

77 165.9 80.9 242.7

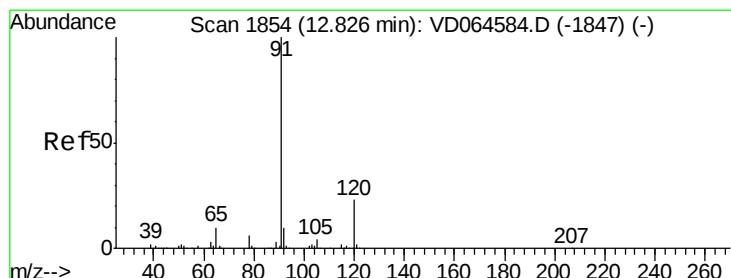
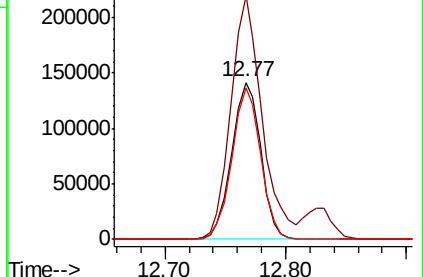
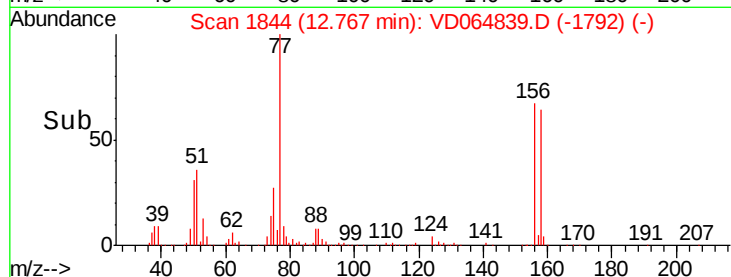
158 95.4 48.0 144.2



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: 54.702 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064839.D

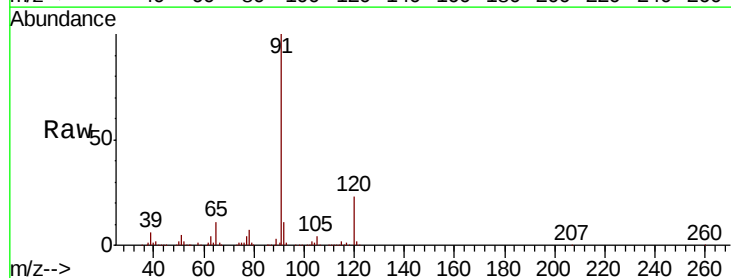
Acq: 10 Jan 2020 18:30

Tgt Ion: 91 Resp: 1137687

Ion Ratio Lower Upper

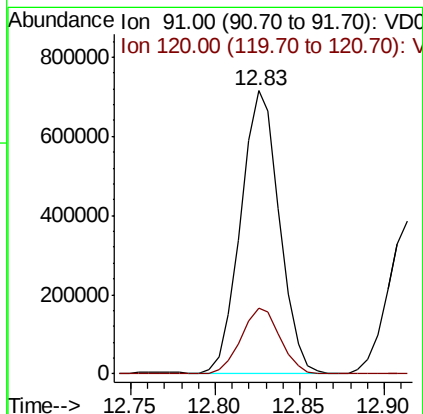
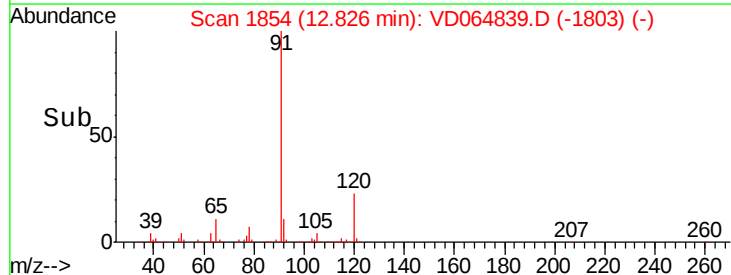
91 100

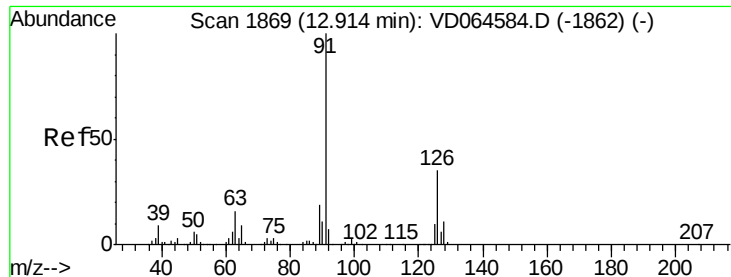
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.417 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

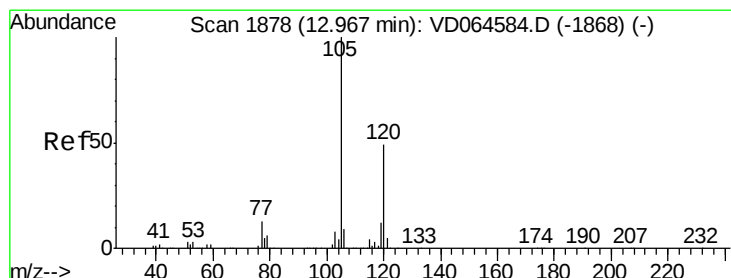
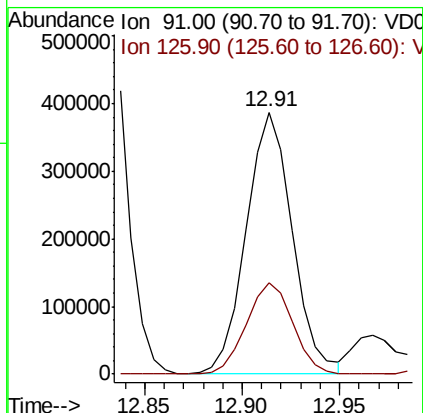
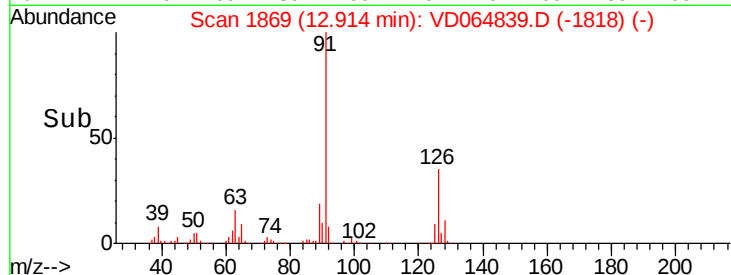
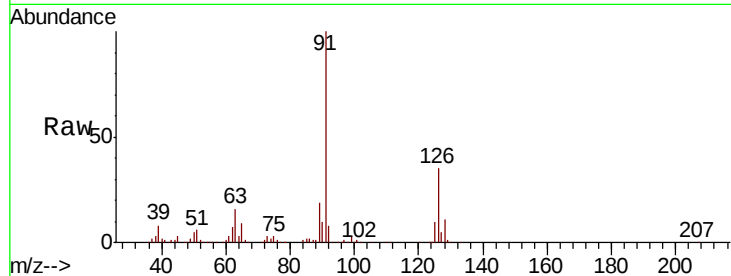
VSTDCCC050EC

Tot Ion: 91 Resp: 633145

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 54.398 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064839.D

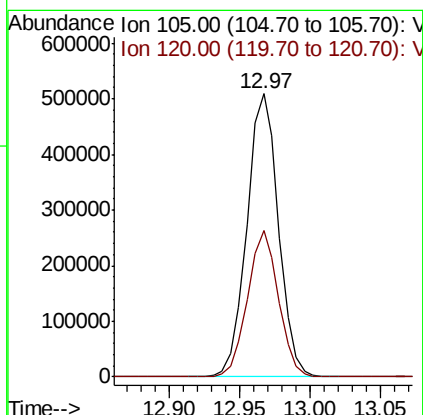
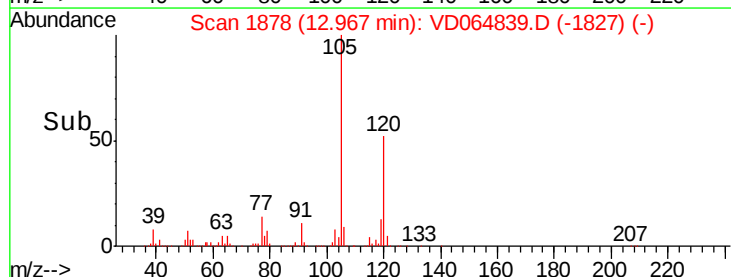
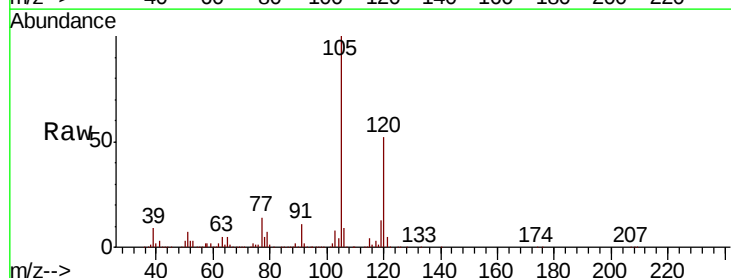
Acq: 10 Jan 2020 18:30

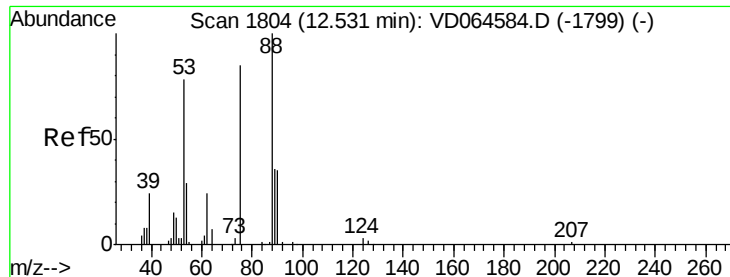
Tgt Ion: 105 Resp: 796625

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.475 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

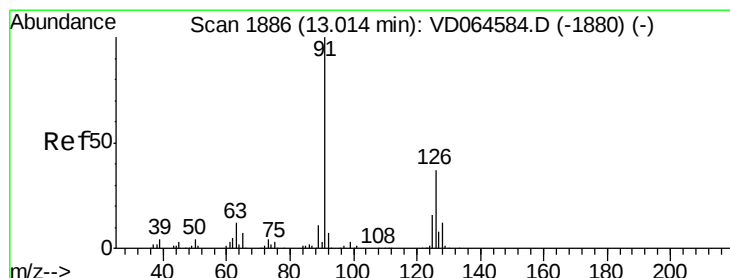
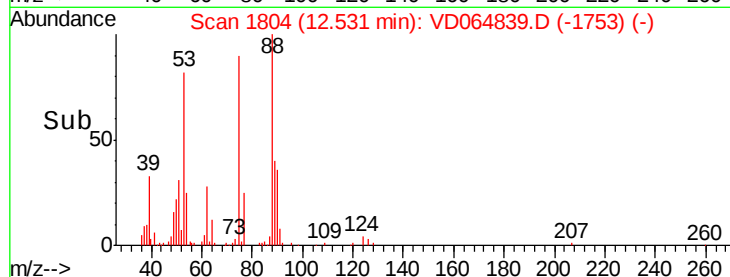
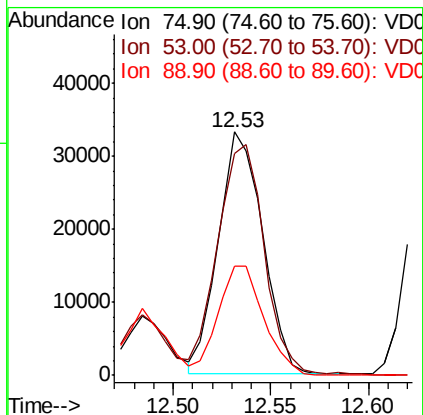
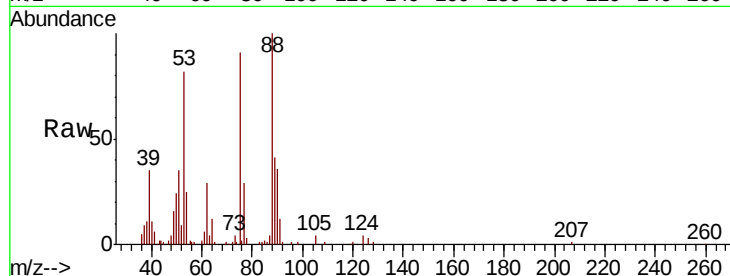
Tot Ion: 75 Resp: 52252

Ion Ratio Lower Upper

75 100

53 101.0 78.8 118.2

89 46.7 38.3 57.5



#82

4-Chlorotoluene

Concen: 54.075 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064839.D

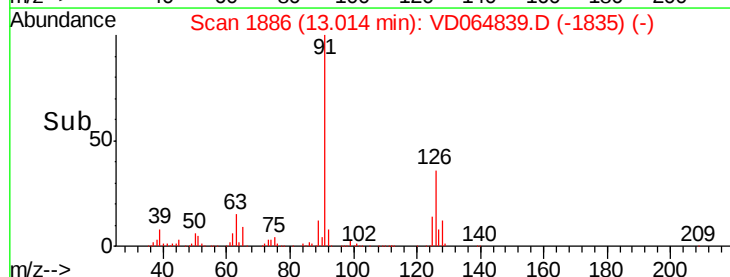
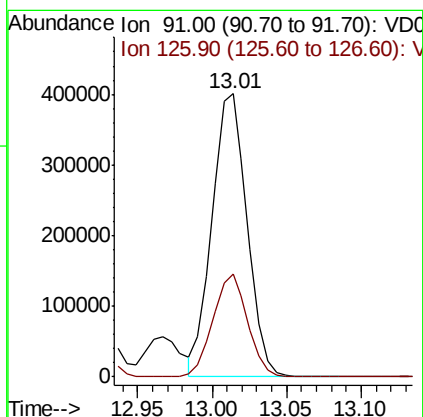
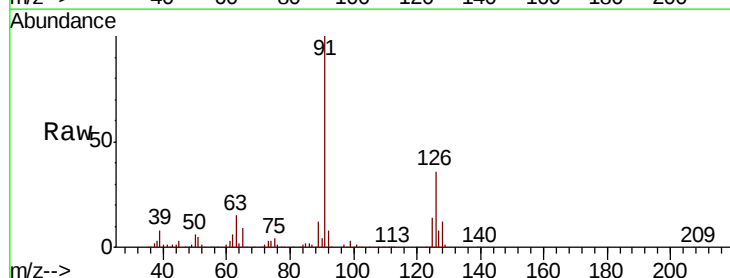
Acq: 10 Jan 2020 18:30

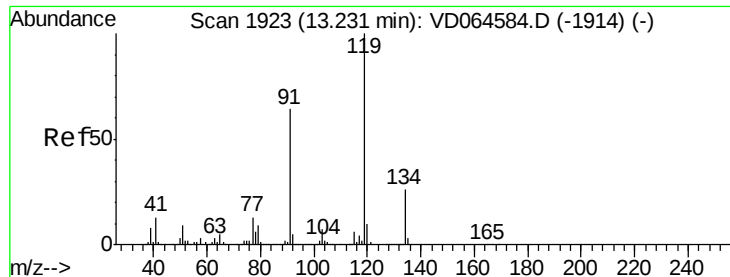
Tgt Ion: 91 Resp: 657473

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5

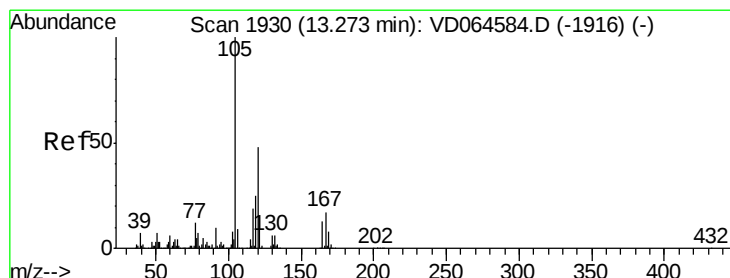
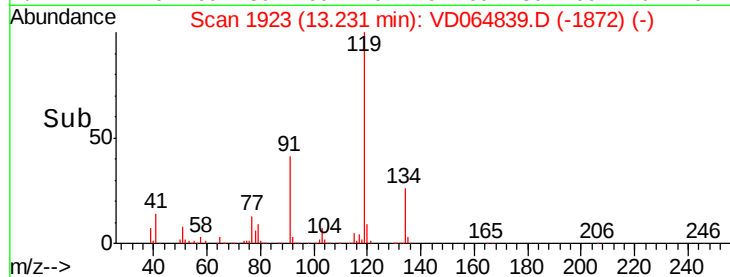
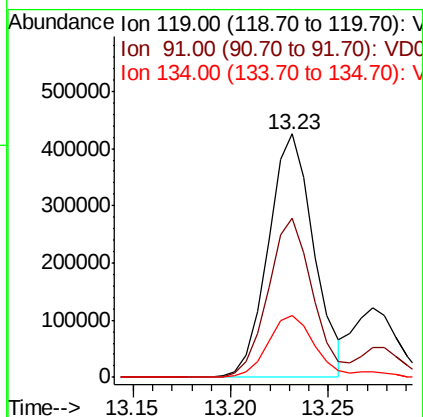
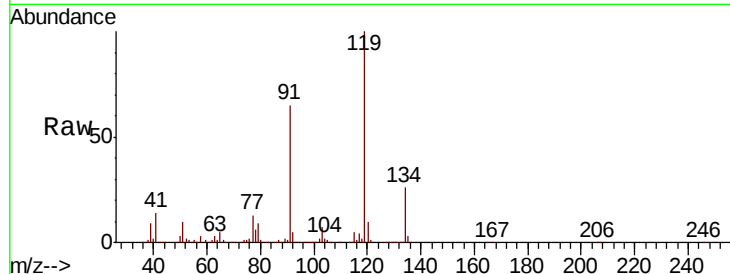




#83
 tert-Butylbenzene
 Concen: 54.138 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

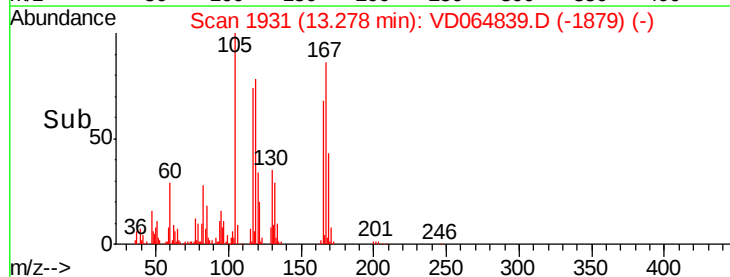
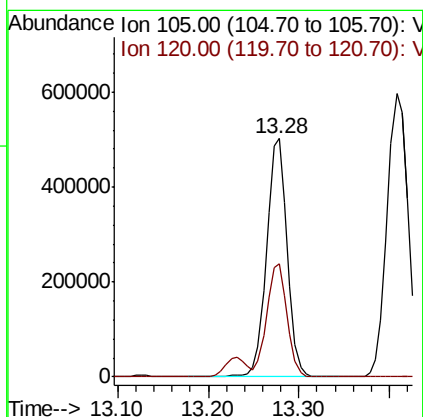
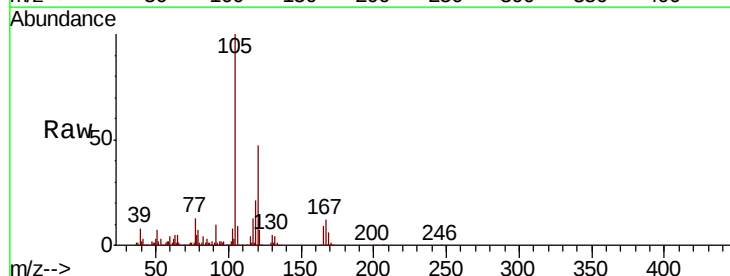
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

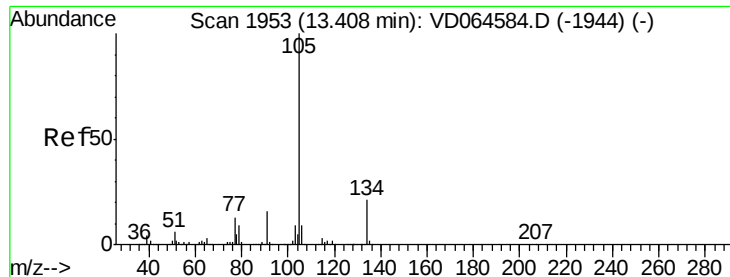
Tot Ion:119 Resp: 688374
 Ion Ratio Lower Upper
 119 100
 91 64.6 30.8 92.4
 134 27.5 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.124 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion:105 Resp: 803986
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.8 71.2





#85

sec-Butylbenzene

Concen: 55.190 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

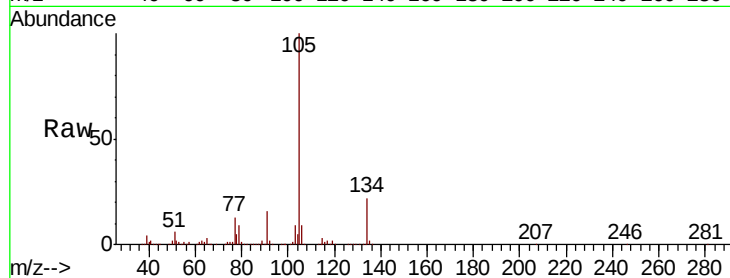
VSTDCCC050EC

Tot Ion:105 Resp: 962048

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

400000

200000

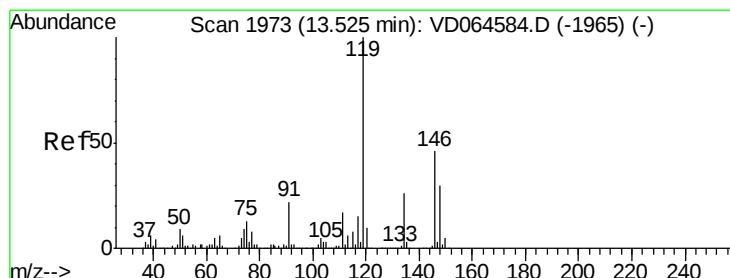
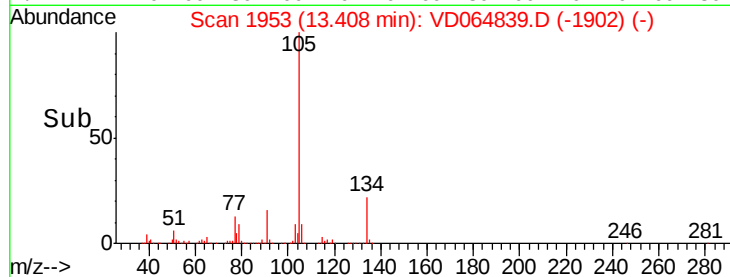
0

13.41

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 55.318 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

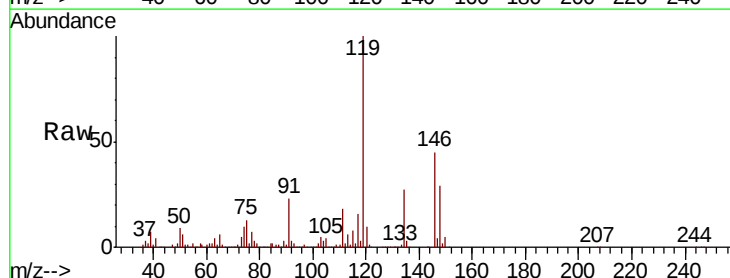
Tgt Ion:119 Resp: 922034

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.5 11.2 33.6



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

800000

600000

400000

200000

0

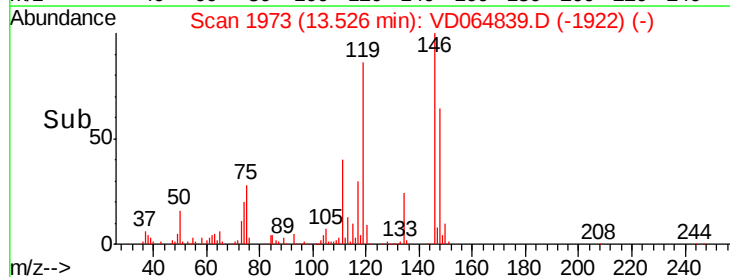
13.53

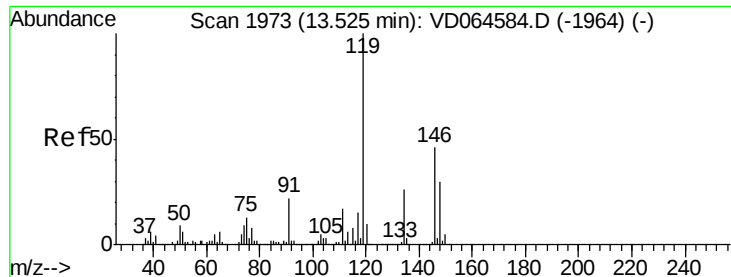
13.45

13.55

13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 54.254 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

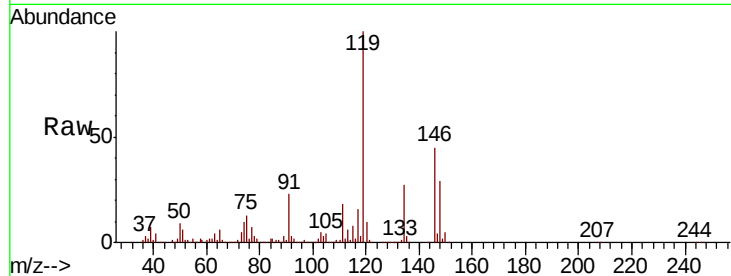
Tot Ion:146 Resp: 453062

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

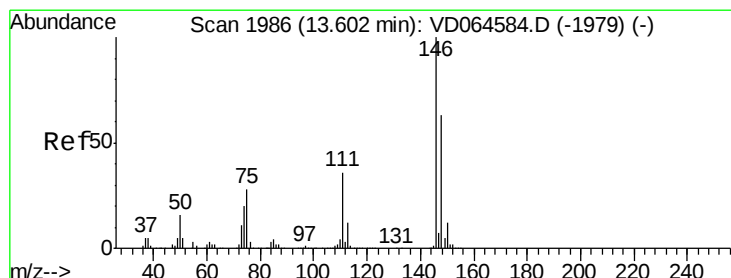
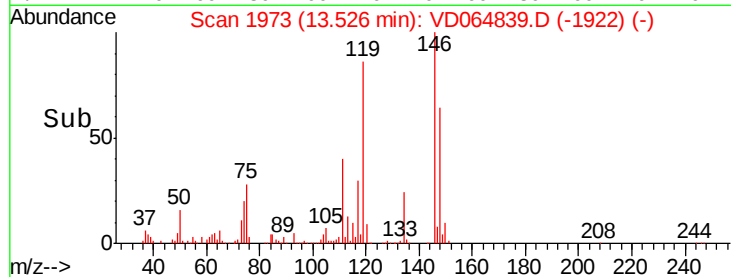
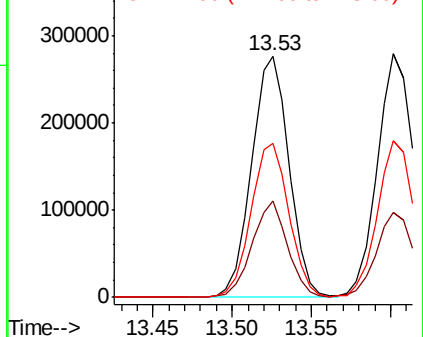
148 64.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 54.409 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

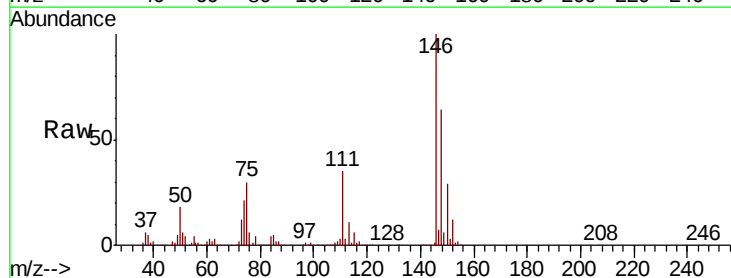
Tgt Ion:146 Resp: 446345

Ion Ratio Lower Upper

146 100

111 35.6 18.1 54.1

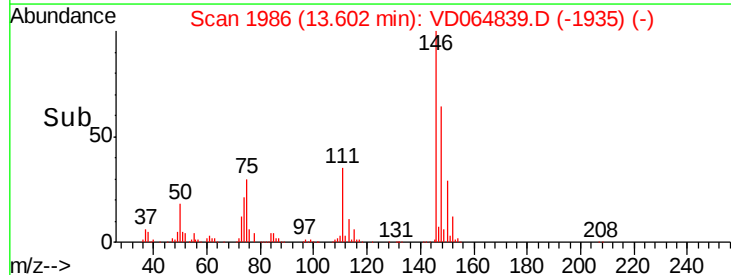
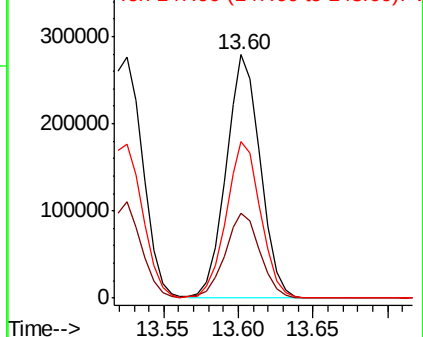
148 64.7 32.3 96.9

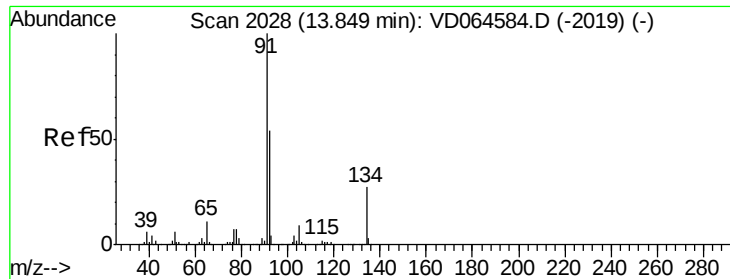


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 55.184 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

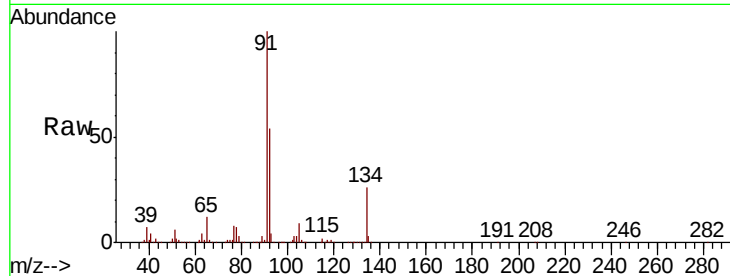
Tot Ion: 91 Resp: 828319

Ion Ratio Lower Upper

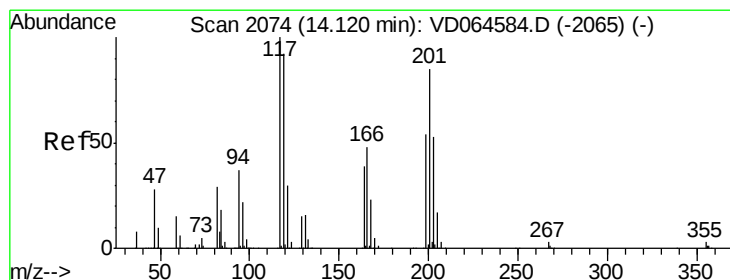
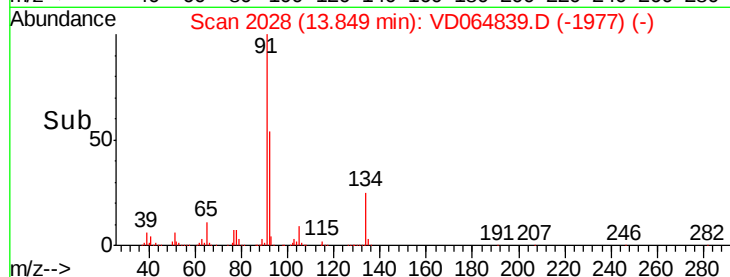
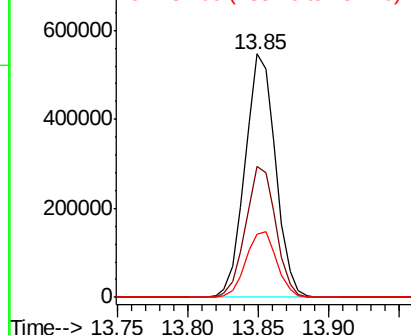
91 100

92 53.5 26.8 80.4

134 27.2 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.727 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064839.D

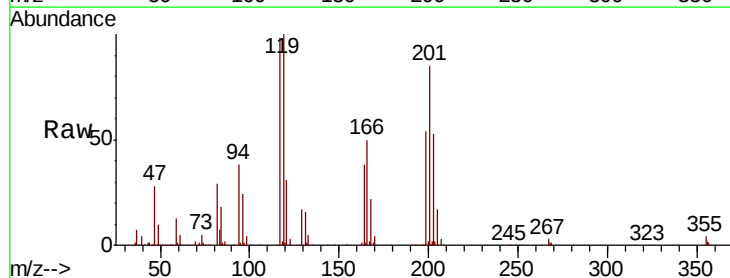
Acq: 10 Jan 2020 18:30

Tgt Ion: 117 Resp: 174246

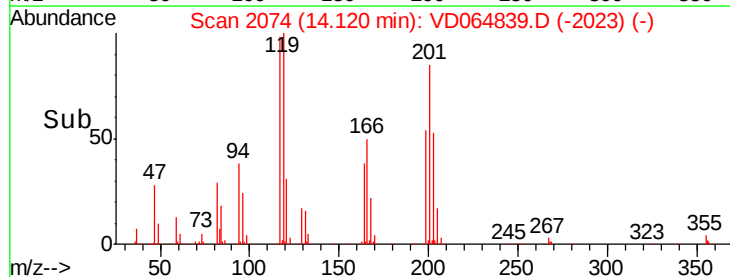
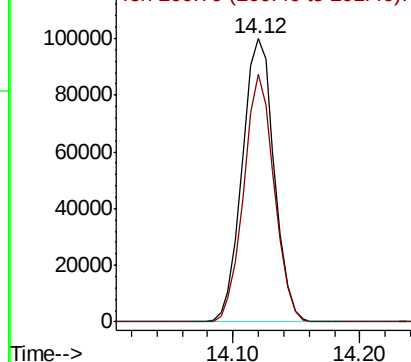
Ion Ratio Lower Upper

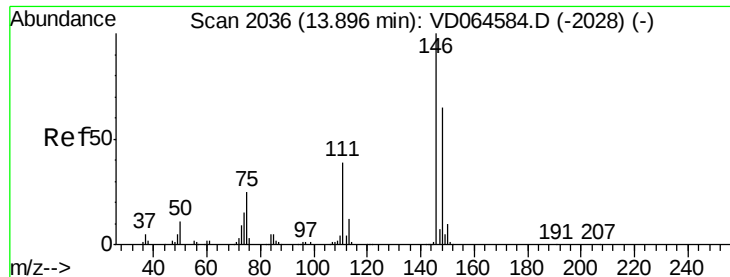
117 100

201 83.4 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 53.724 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

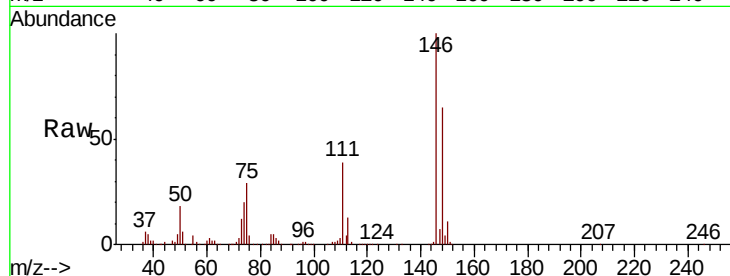
Tot Ion:146 Resp: 382552

Ion Ratio Lower Upper

146 100

111 38.6 19.3 57.9

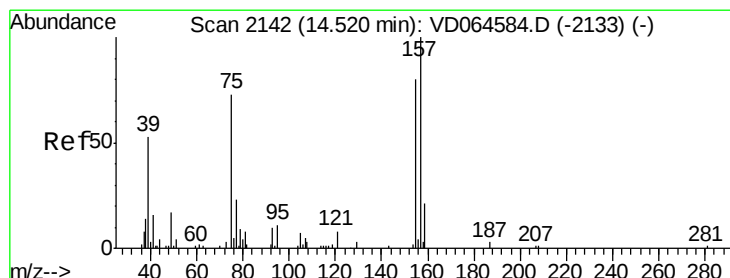
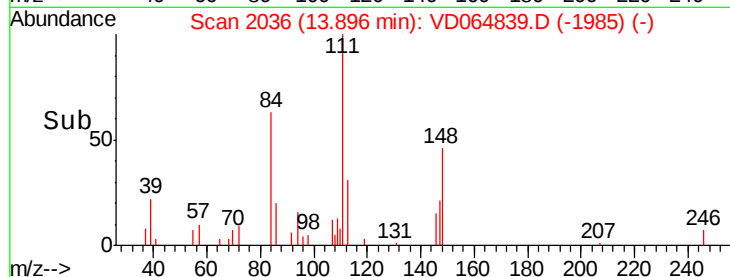
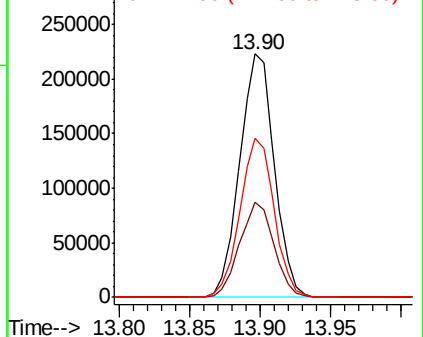
148 64.4 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.467 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

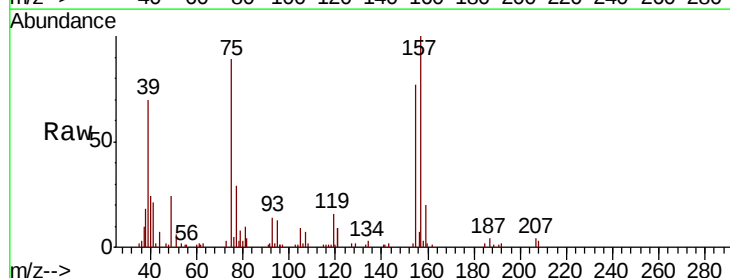
Tgt Ion: 75 Resp: 25636

Ion Ratio Lower Upper

75 100

155 91.5 48.0 144.0

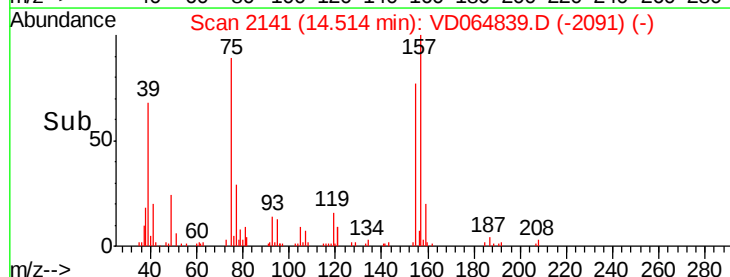
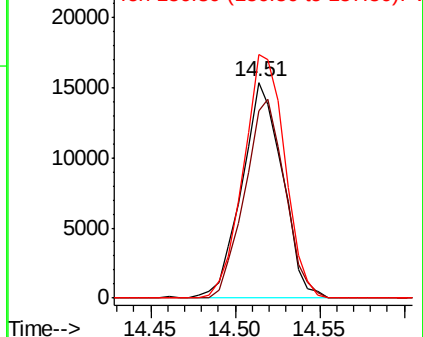
157 115.4 64.1 192.3

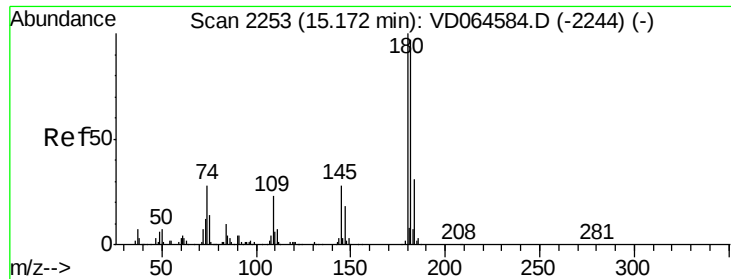


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

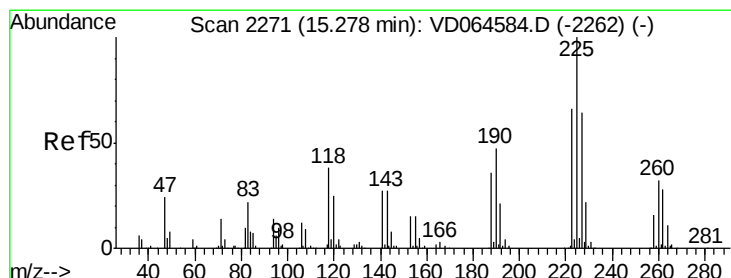
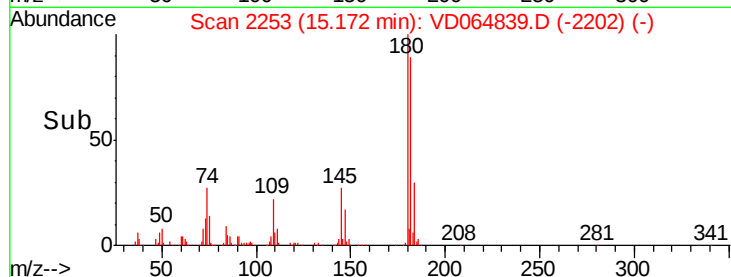
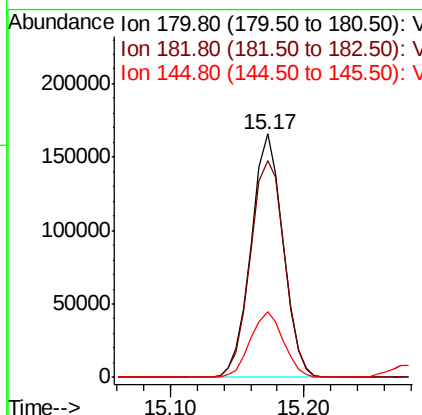
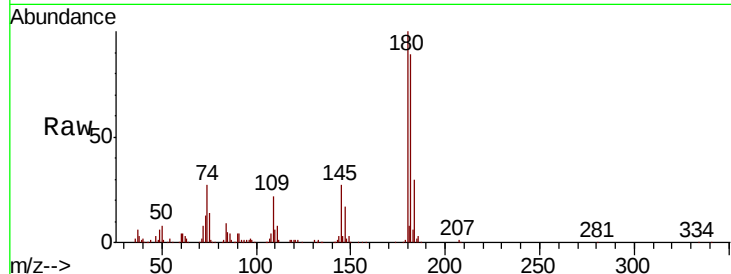




#93
 1,2,4-Trichlorobenzene
 Concen: 52.241 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

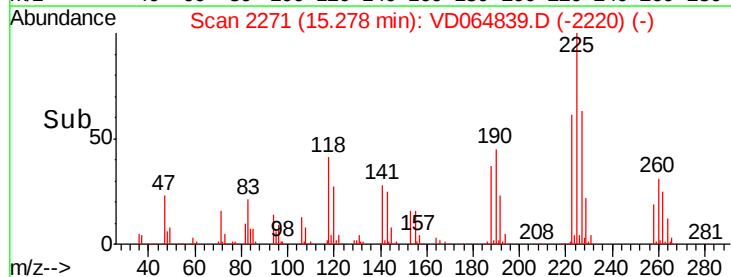
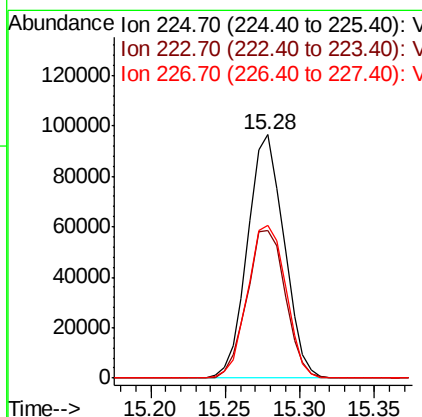
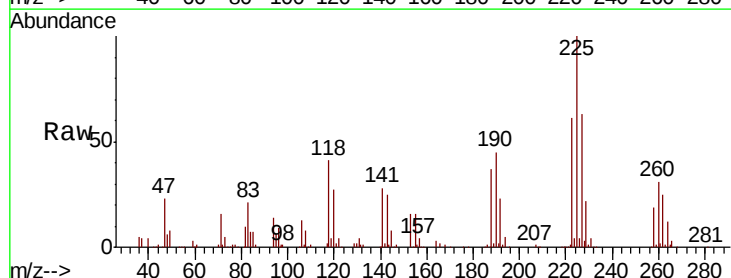
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	27.9	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 49.540 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.2
227	65.9	30.9	92.7

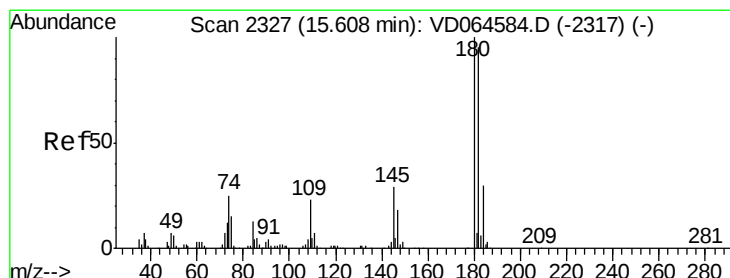
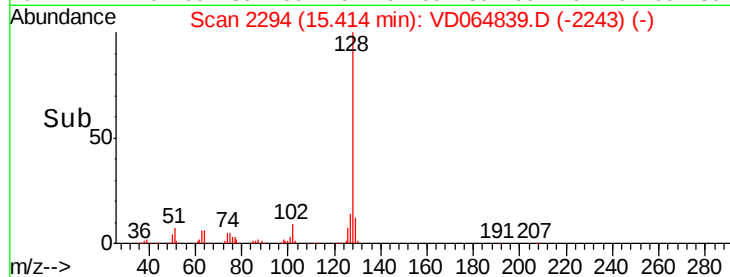
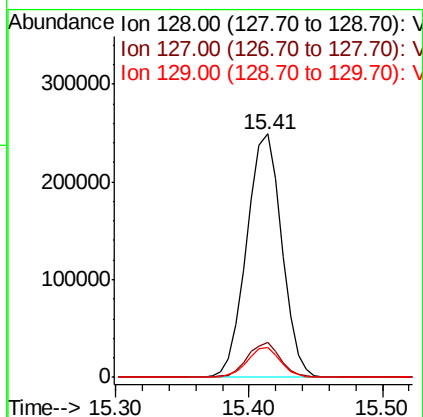
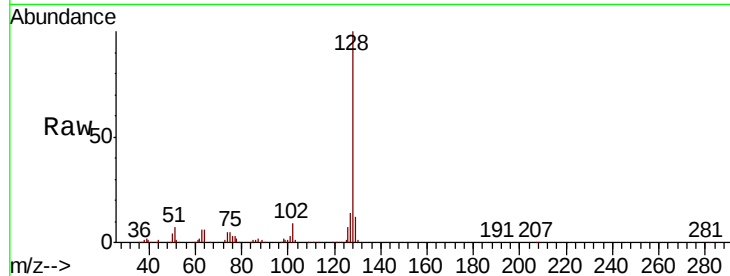




#95
Naphthalene
Concen: 54.514 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 452165
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 53.331 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion:180 Resp: 238710
Ion Ratio Lower Upper
180 100
182 94.9 47.9 143.7
145 29.5 14.9 44.7

