

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063978.D
 Acq On : 15 Oct 2019 18:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 16 02:17:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	189108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	292838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	299132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	92248	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.92	113	92895	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.34	98	396488	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
62) 4-Bromofluorobenzene	12.63	95	134306	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54705	40.791	ug/l	93
3) Chloromethane	2.21	50	186855	51.732	ug/l	97
4) Vinyl Chloride	2.35	62	209497	48.332	ug/l	100
5) Bromomethane	2.77	94	127681	45.819	ug/l	91
6) Chloroethane	2.92	64	139123	48.533	ug/l	91
7) Trichlorofluoromethane	3.27	101	298515	52.089	ug/l	99
8) Diethyl Ether	3.70	74	40555	44.089	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	70917	44.705	ug/l	96
10) Methyl Iodide	4.30	142	94233	43.110	ug/l	99
11) Tert butyl alcohol	5.26	59	26645	206.936	ug/l	99
12) 1,1-Dichloroethene	4.06	96	69915	44.114	ug/l	94
13) Acrolein	3.92	56	30286	184.180	ug/l	89
14) Allyl chloride	4.71	41	121013	45.926	ug/l	98
15) Acrylonitrile	5.43	53	95967	236.638	ug/l	98
16) Acetone	4.17	43	97141	202.655	ug/l	98
17) Carbon Disulfide	4.40	76	238426	41.385	ug/l	98
18) Methyl Acetate	4.73	43	48088	51.292	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	187735	45.744	ug/l	97
20) Methylene Chloride	4.97	84	113677	53.668	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	91353	46.302	ug/l	95
22) Diisopropyl ether	6.37	45	263588	48.981	ug/l	98
23) Vinyl Acetate	6.31	43	768998	240.211	ug/l	99
24) 1,1-Dichloroethane	6.27	63	162653	49.070	ug/l	96
25) 2-Butanone	7.22	43	125817	221.481	ug/l	98
26) 2,2-Dichloropropane	7.21	77	137970	46.013	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	110240	49.365	ug/l	96
28) Bromochloromethane	7.55	49	70230	55.515	ug/l	98
29) Tetrahydrofuran	7.58	42	78615	237.098	ug/l	97
30) Chloroform	7.72	83	173268	48.127	ug/l	98
31) Cyclohexane	7.98	56	146954	53.936	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	153949	49.849	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136553	51.000	ug/l	98
37) Ethyl Acetate	7.30	43	52378	48.680	ug/l	98
38) Carbon Tetrachloride	8.10	117	138682	51.255	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168183	51.087	ug/l	95
40) Benzene	8.36	78	396417	51.665	ug/l	98
41) Methacrylonitrile	7.53	41	34715	55.923	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	112255	50.577	ug/l	98
43) Isopropyl Acetate	8.46	43	104503	46.540	ug/l	100
44) Trichloroethene	9.11	130	109598	49.534	ug/l	92
45) 1,2-Dichloropropane	9.39	63	95630	50.920	ug/l	92
46) Dibromomethane	9.48	93	52429	49.019	ug/l	96
47) Bromodichloromethane	9.67	83	137798	50.040	ug/l #	98
48) Methyl methacrylate	9.46	41	48255	44.852	ug/l	98
49) 1,4-Dioxane	9.47	88	14652	1003.586	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	281293	241.550	ug/l	97
52) Toluene	10.41	92	268362	50.949	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	132127	49.170	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	159650	51.613	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	79725	52.791	ug/l	94
56) Ethyl methacrylate	10.67	69	92596	48.418	ug/l	96
57) 1,3-Dichloropropane	10.95	76	133061	51.497	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	226332	275.329	ug/l	98
59) 2-Hexanone	10.99	43	203892	242.040	ug/l	99
60) Dibromochloromethane	11.14	129	99801	50.760	ug/l	95
61) 1,2-Dibromoethane	11.25	107	75862	51.816	ug/l	98
64) Tetrachloroethene	10.88	164	101063	49.490	ug/l	97
65) Chlorobenzene	11.67	112	307984	51.267	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	114393	51.678	ug/l	96
67) Ethyl Benzene	11.75	91	546535	50.454	ug/l	99
68) m/p-Xylenes	11.86	106	441392	105.568	ug/l	97
69) o-Xylene	12.18	106	203451	50.817	ug/l	98
70) Styrene	12.20	104	353141	52.105	ug/l	99
71) Bromoform	12.36	173	62516	52.624	ug/l #	98
73) Isopropylbenzene	12.48	105	552747	48.805	ug/l	99
74) N-amyl acetate	12.29	43	107508	44.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	91766	46.563	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	112133	99.374	ug/l #	100
77) Bromobenzene	12.76	156	136104	48.235	ug/l	99
78) n-propylbenzene	12.82	91	654030	49.198	ug/l	100
79) 2-Chlorotoluene	12.91	91	347879	47.458	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	467392	49.466	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27979	43.878	ug/l	96
82) 4-Chlorotoluene	13.01	91	371371	47.759	ug/l	99
83) tert-Butylbenzene	13.23	119	408067	48.527	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	478136	49.085	ug/l	99
85) sec-Butylbenzene	13.40	105	570495	50.236	ug/l	100
86) p-Isopropyltoluene	13.52	119	549014	51.090	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	283229	50.800	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	273653	49.752	ug/l	97
89) n-Butylbenzene	13.85	91	503802	50.366	ug/l	99
90) Hexachloroethane	14.11	117	98820	51.129	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	236059	49.130	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13406	43.459	ug/l	80

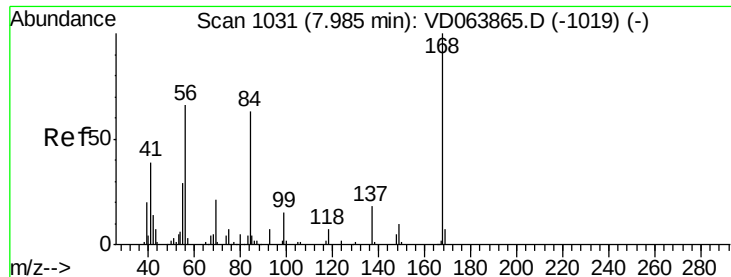
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	177980	48.007	ug/l	98
94) Hexachlorobutadiene	15.27	225	101086	49.410	ug/l	96
95) Naphthalene	15.40	128	306013	49.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	153729	48.060	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

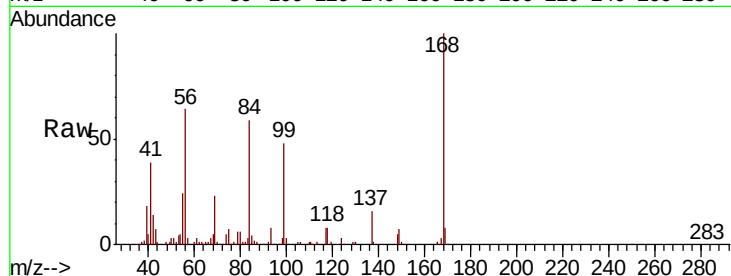
VSTDCCC050EC

Tot Ion:168 Resp: 189108

Ion Ratio Lower Upper

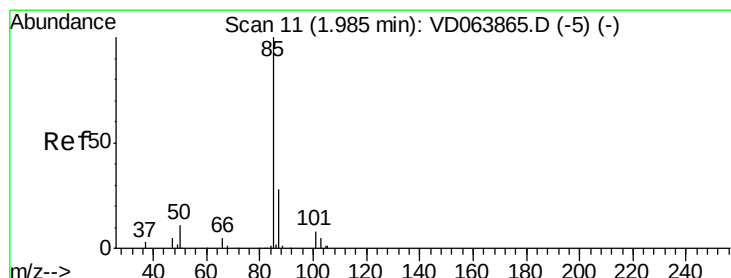
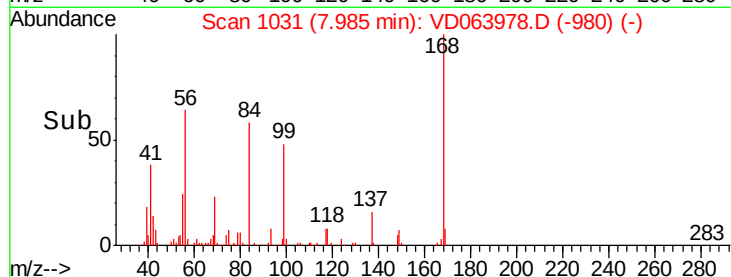
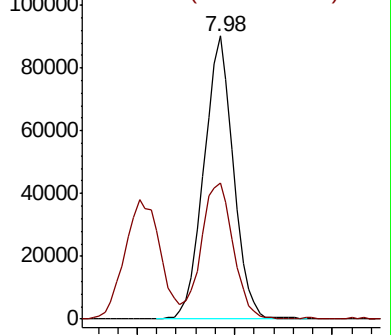
168 100

99 47.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.791 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063978.D

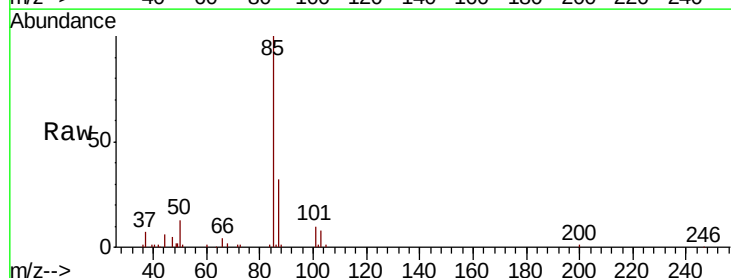
Acq: 15 Oct 2019 18:09

Tgt Ion: 85 Resp: 54705

Ion Ratio Lower Upper

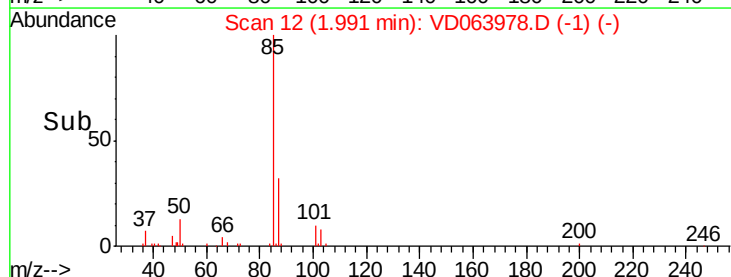
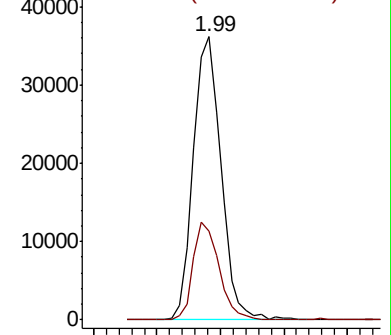
85 100

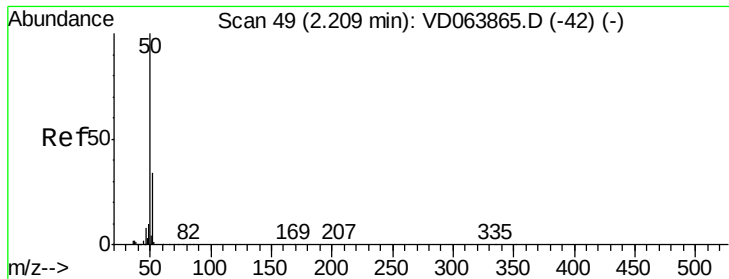
87 31.6 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.732 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

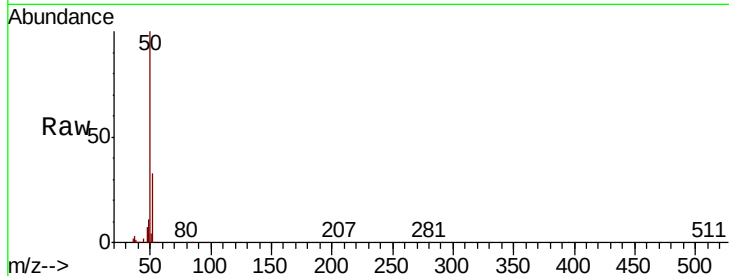
VSTDCCC050EC

Tot Ion: 50 Resp: 186855

Ion Ratio Lower Upper

50 100

52 32.6 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

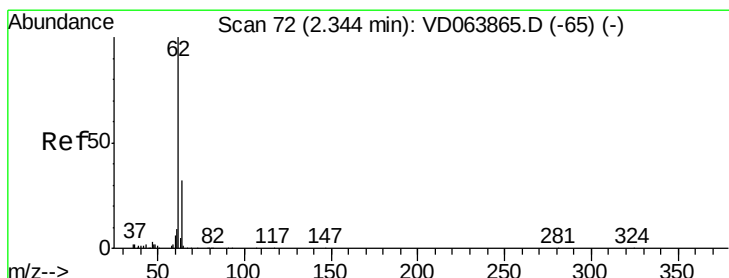
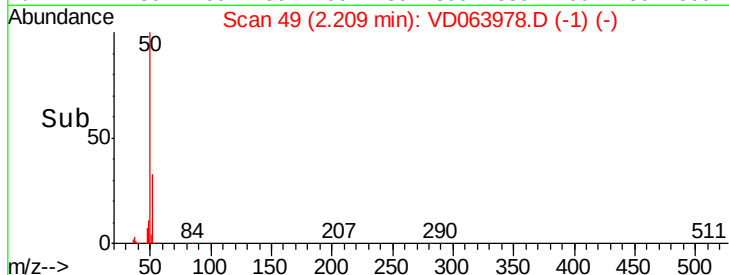
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.332 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063978.D

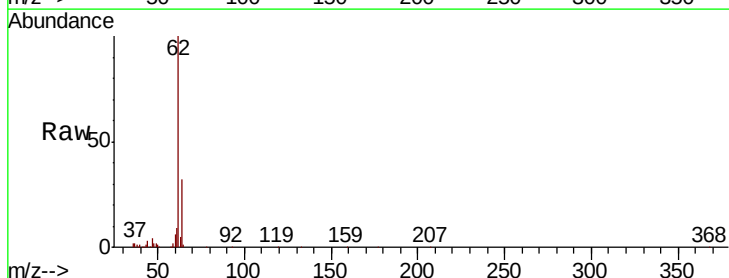
Acq: 15 Oct 2019 18:09

Tgt Ion: 62 Resp: 209497

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

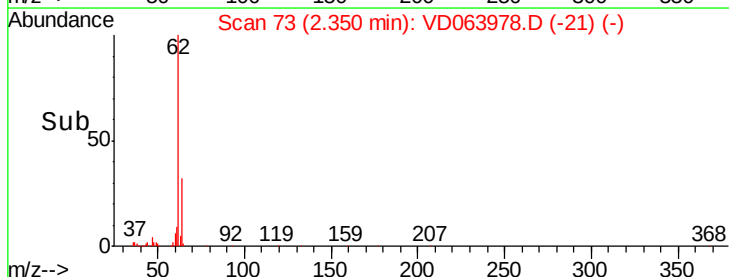
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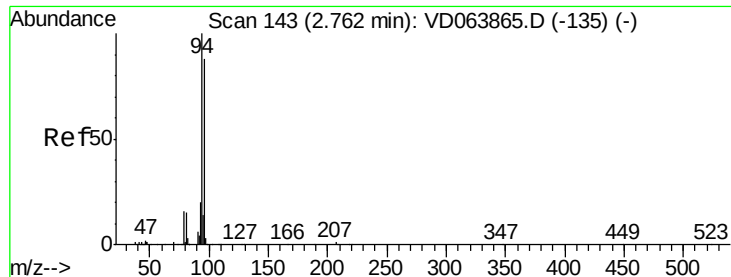
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.819 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

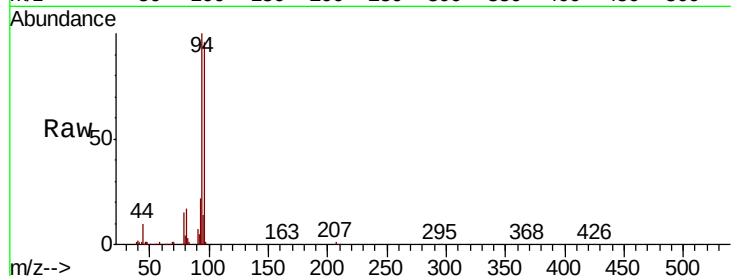
VSTDCCC050EC

Tot Ion: 94 Resp: 127681

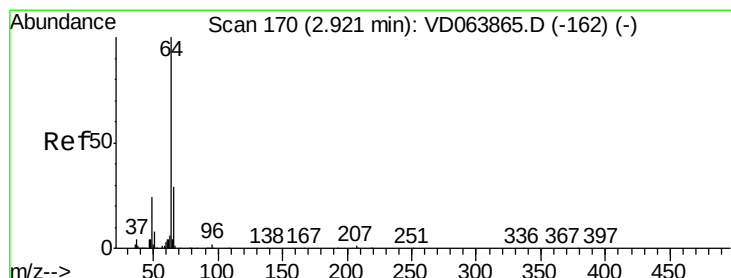
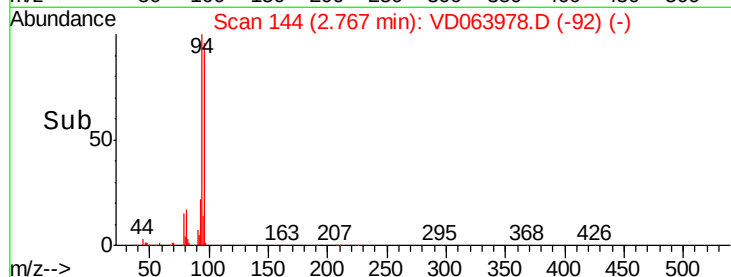
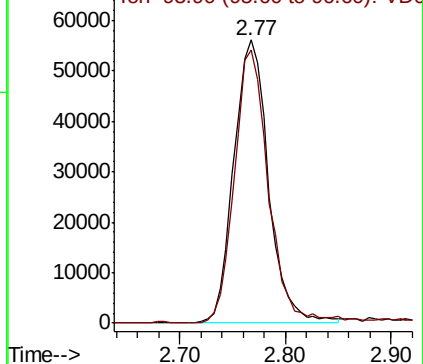
Ion Ratio Lower Upper

94 100

96 96.4 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.533 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063978.D

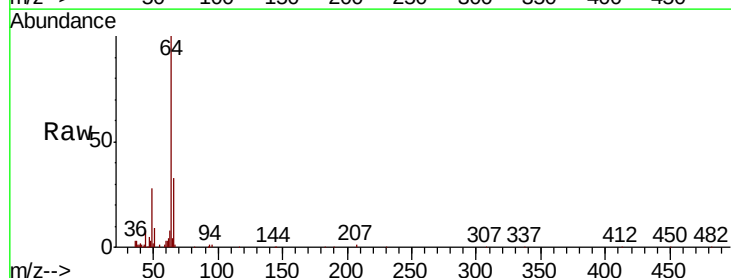
Acq: 15 Oct 2019 18:09

Tgt Ion: 64 Resp: 139123

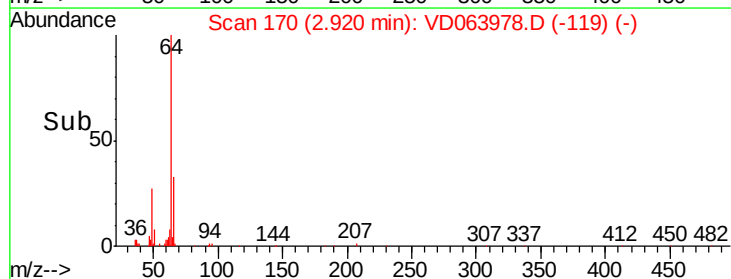
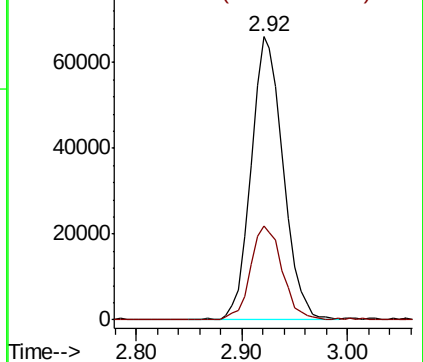
Ion Ratio Lower Upper

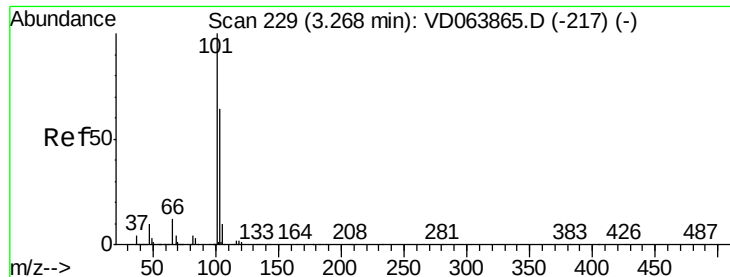
64 100

66 33.2 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



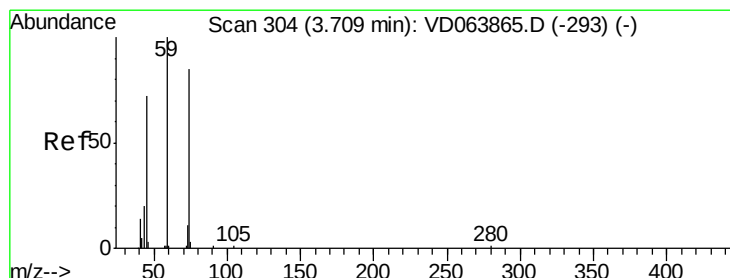
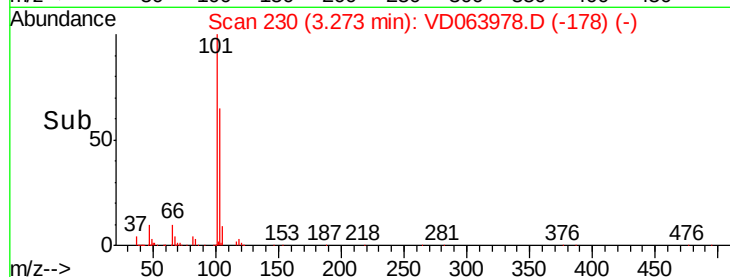
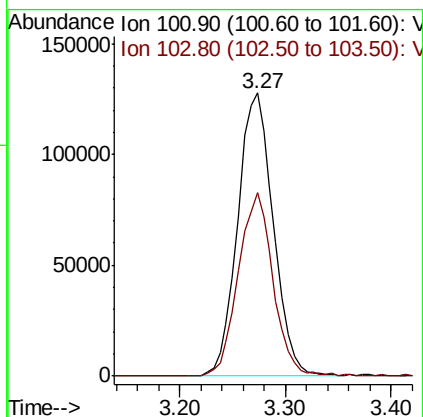
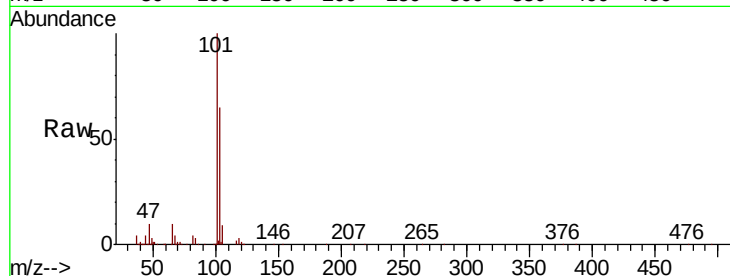


#7

Trichlorofluoromethane
 Concen: 52.089 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

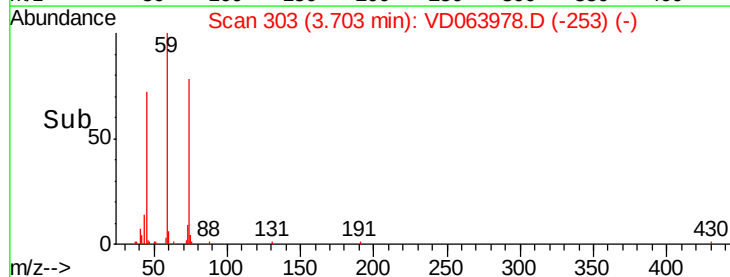
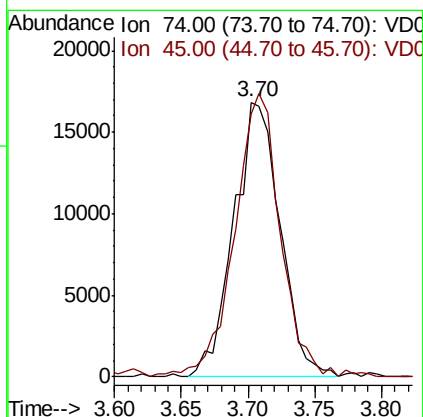
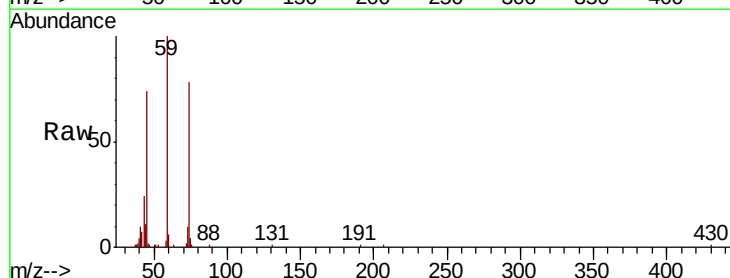
Tot Ion:101 Resp: 298515
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.1 76.7

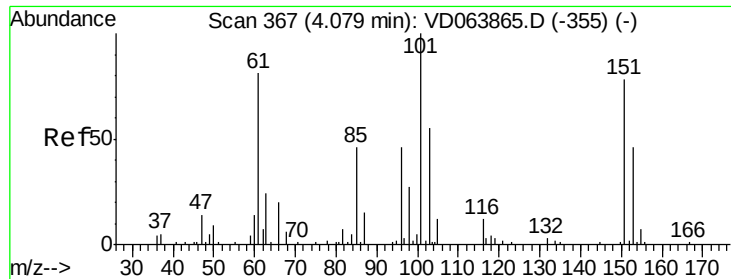


#8

Diethyl Ether
 Concen: 44.089 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 74 Resp: 40555
 Ion Ratio Lower Upper
 74 100
 45 101.4 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.705 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

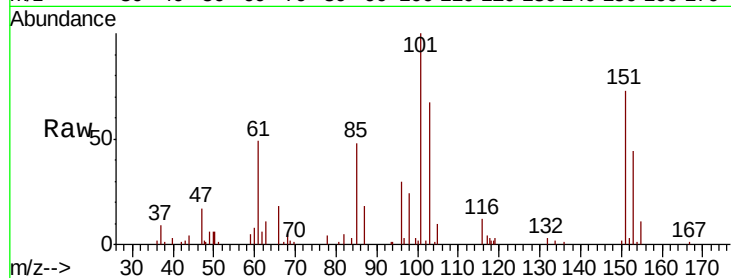
Tot Ion:101 Resp: 70917

Ion Ratio Lower Upper

101 100

85 47.9 37.5 56.3

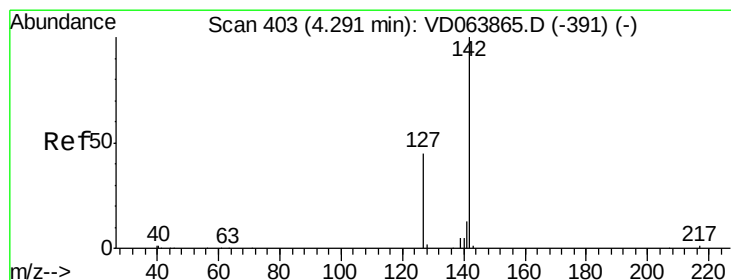
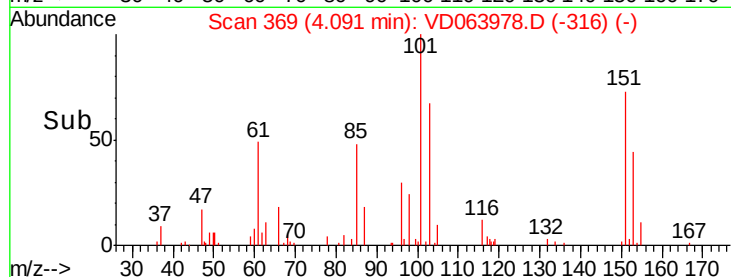
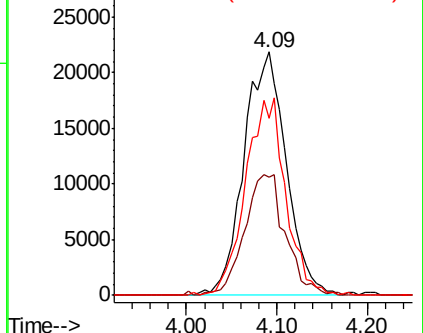
151 76.7 65.5 98.3



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: 43.110 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

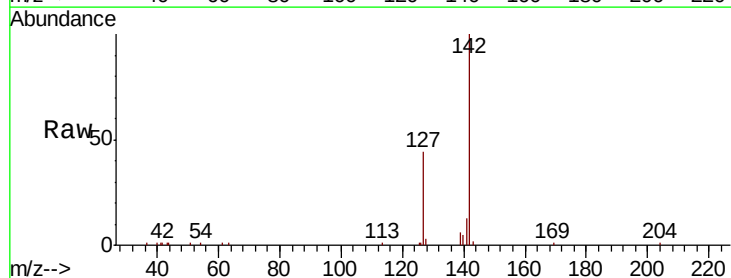
Tgt Ion:142 Resp: 94233

Ion Ratio Lower Upper

142 100

127 44.2 35.3 52.9

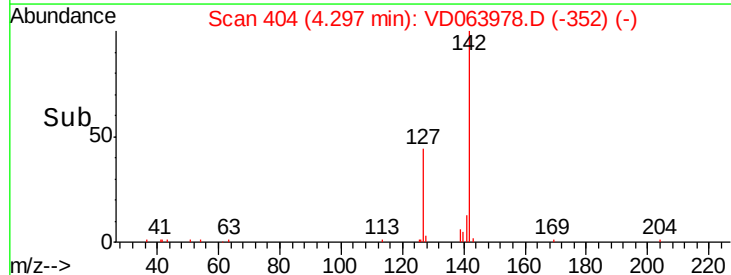
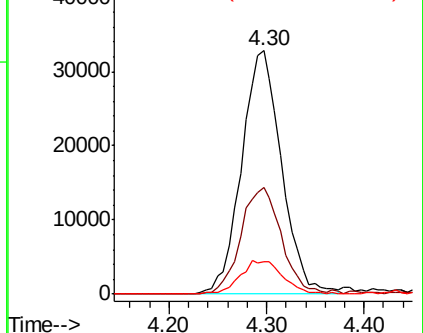
141 14.6 12.2 18.2

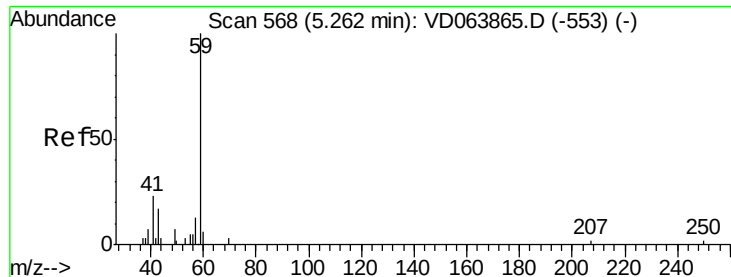


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



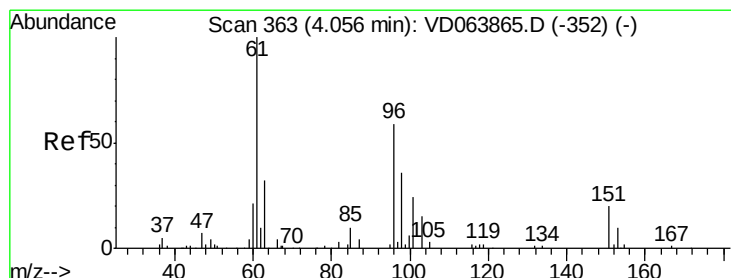
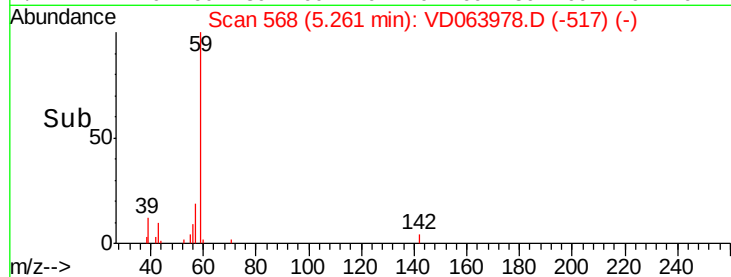
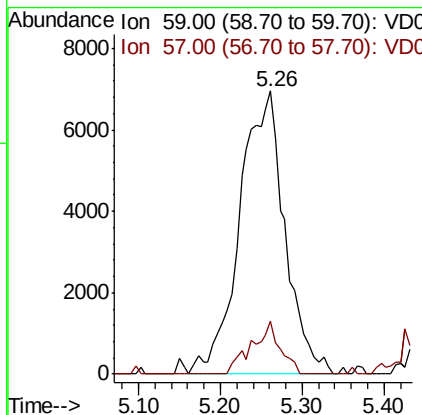
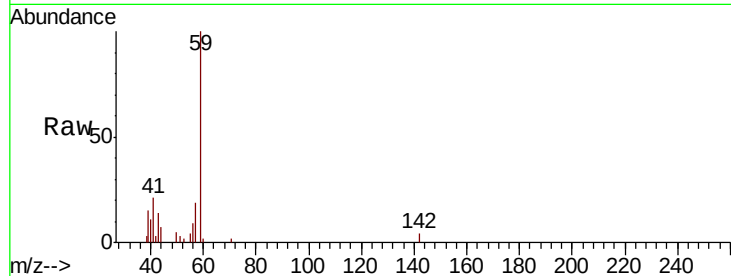


#11

Tert butyl alcohol
 Concen: 206.936 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

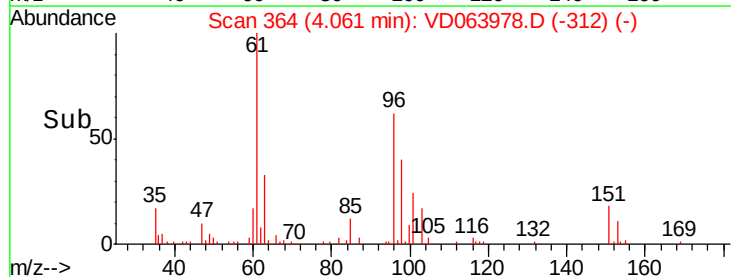
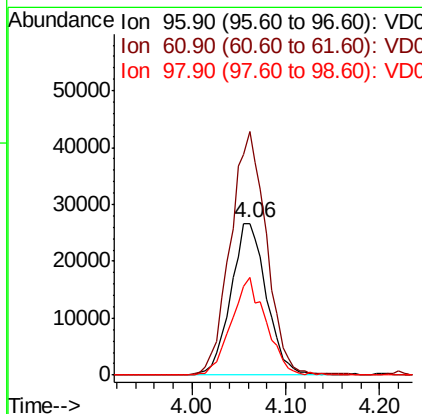
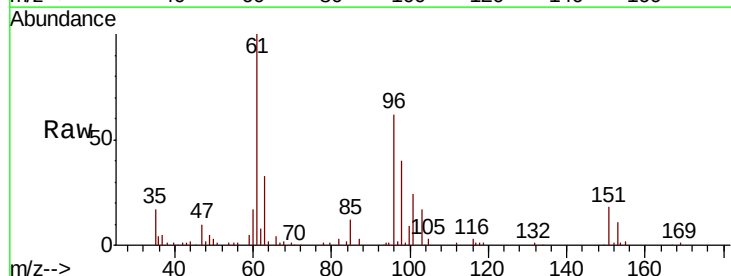
Tot Ion: 59 Resp: 26645
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.8 13.2

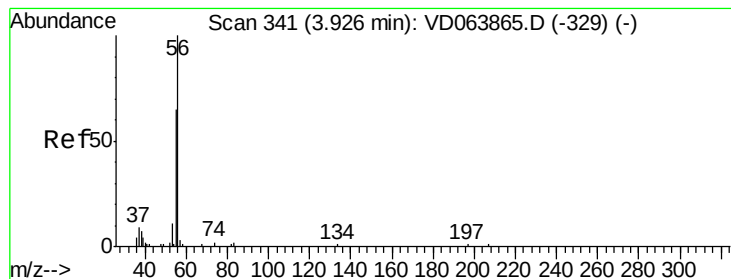


#12

1,1-Dichloroethene
 Concen: 44.114 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 96 Resp: 69915
 Ion Ratio Lower Upper
 96 100
 61 160.7 135.6 203.4
 98 64.3 49.2 73.8





#13

Acrolein

Concen: 184.180 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

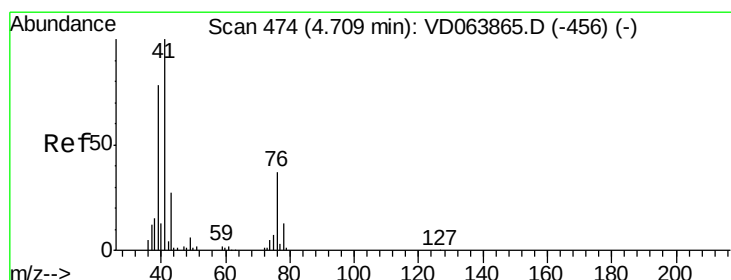
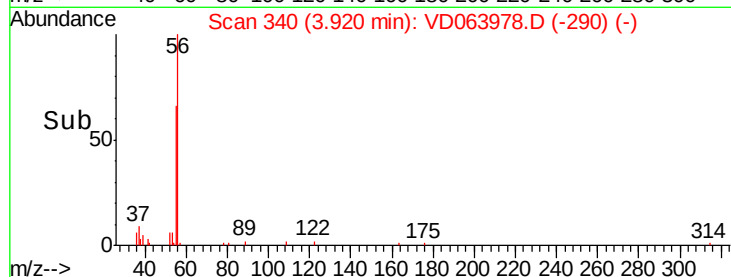
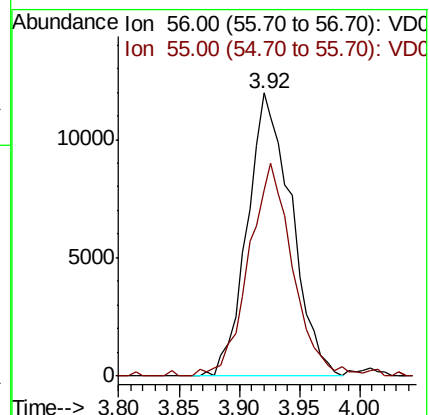
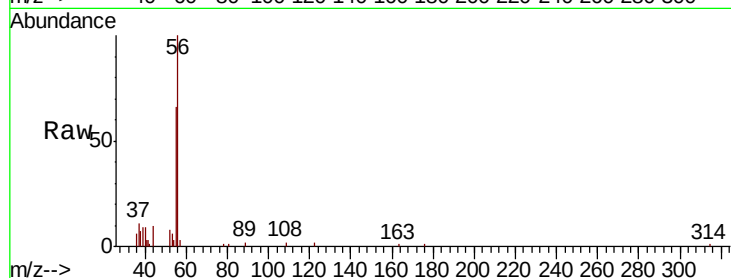
VSTDCCC050EC

Tot Ion: 56 Resp: 30286

Ion Ratio Lower Upper

56 100

55 75.4 53.0 79.6



#14

Allyl chloride

Concen: 45.926 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

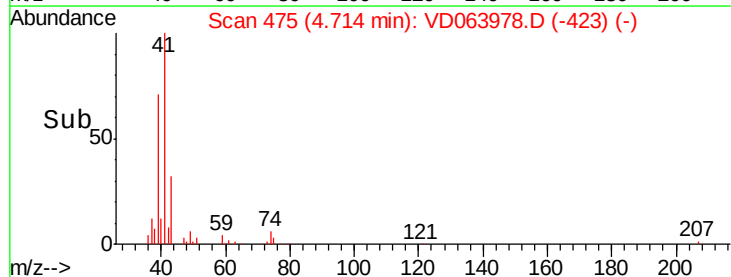
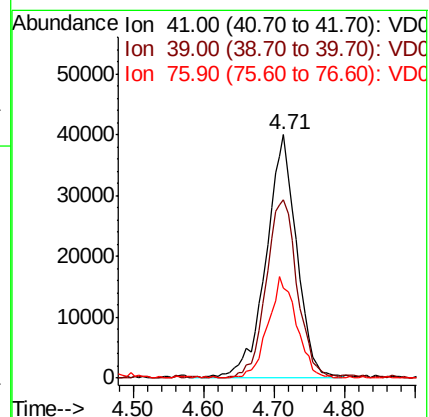
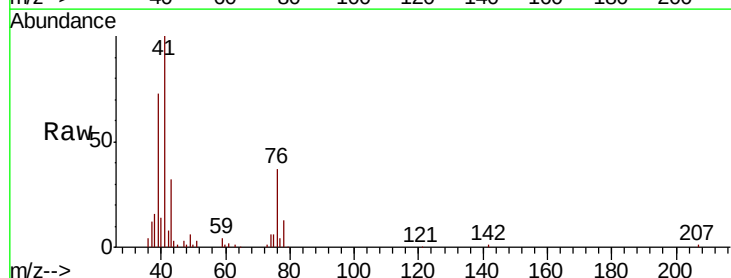
Tgt Ion: 41 Resp: 121013

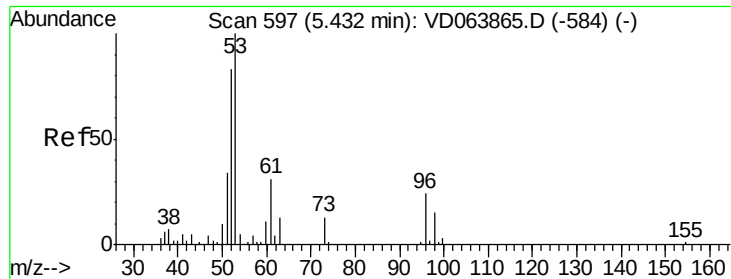
Ion Ratio Lower Upper

41 100

39 74.6 61.8 92.6

76 38.8 31.3 46.9





#15

Acrylonitrile

Concen: 236.638 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

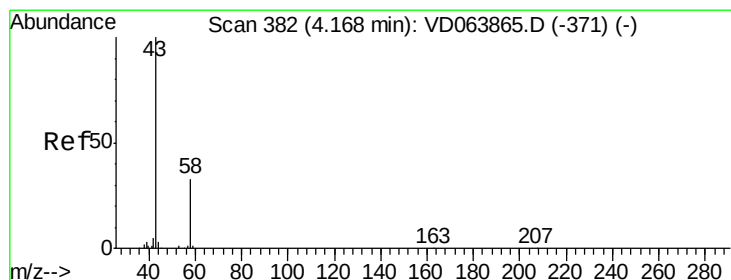
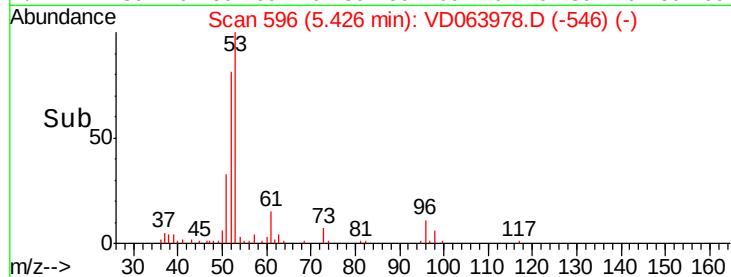
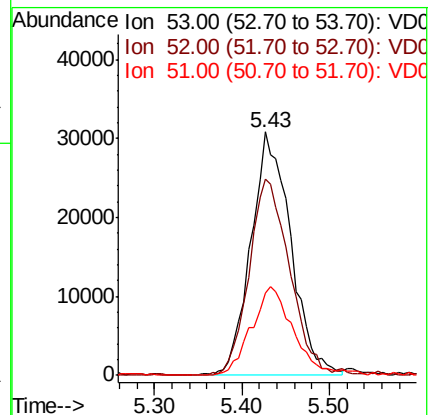
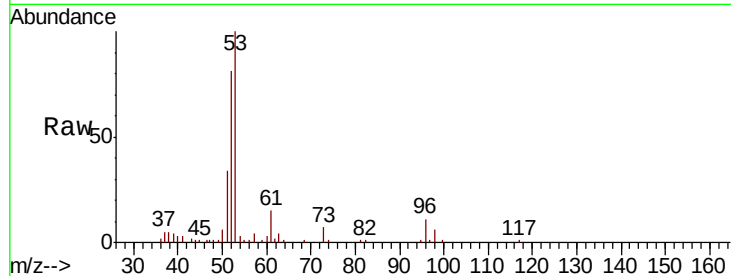
Tot Ion: 53 Resp: 95967

Ion Ratio Lower Upper

53 100

52 81.6 67.3 100.9

51 37.8 30.5 45.7



#16

Acetone

Concen: 202.655 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063978.D

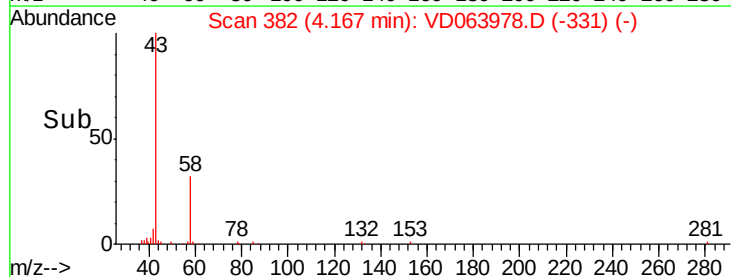
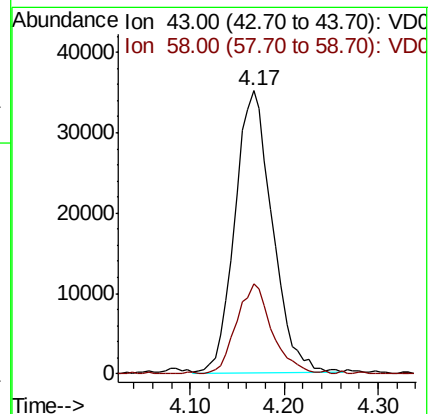
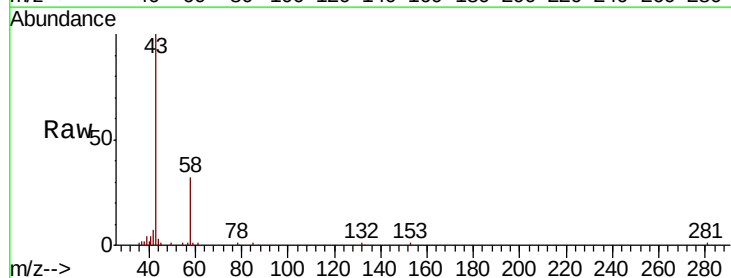
Acq: 15 Oct 2019 18:09

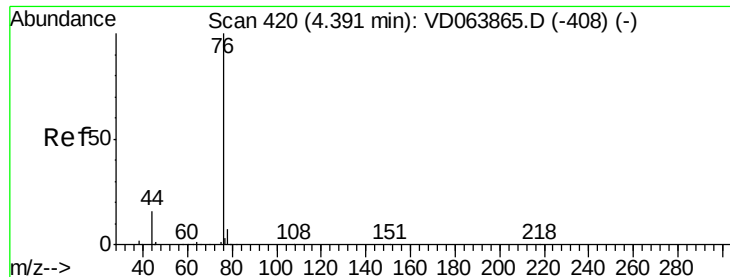
Tgt Ion: 43 Resp: 97141

Ion Ratio Lower Upper

43 100

58 31.4 26.2 39.4





#17

Carbon Disulfide

Concen: 41.385 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

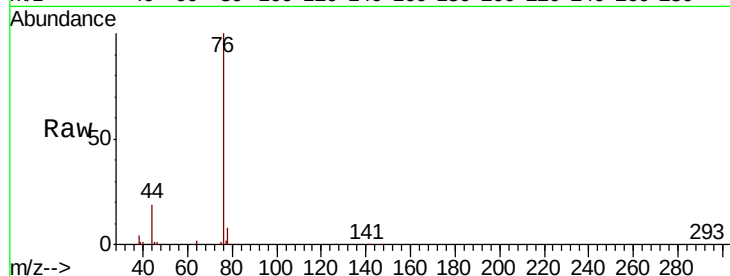
VSTDCCC050EC

Tot Ion: 76 Resp: 238426

Ion Ratio Lower Upper

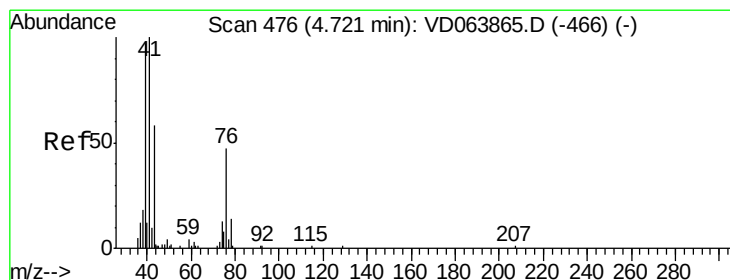
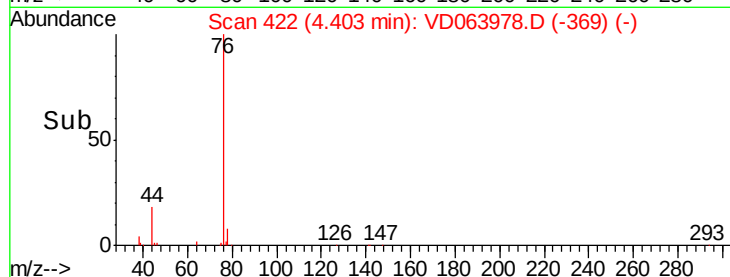
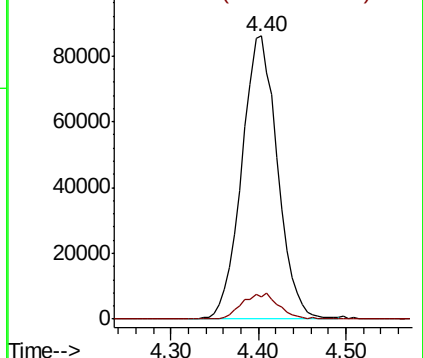
76 100

78 7.9 5.8 8.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 51.292 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063978.D

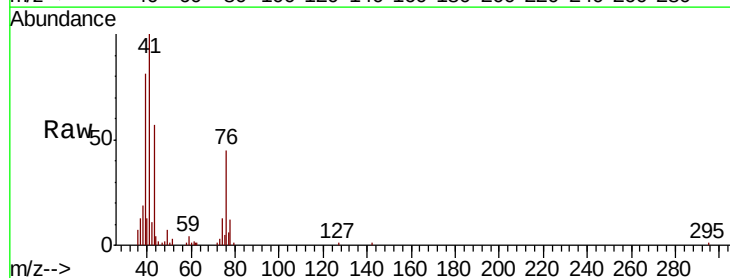
Acq: 15 Oct 2019 18:09

Tgt Ion: 43 Resp: 48088

Ion Ratio Lower Upper

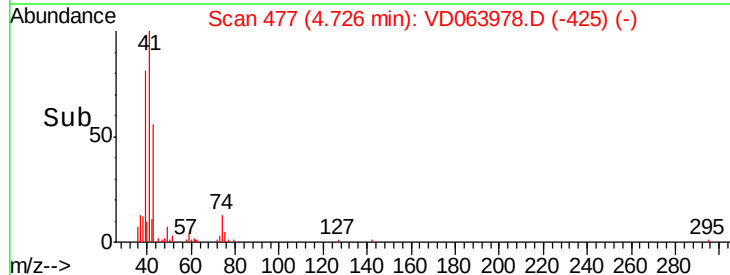
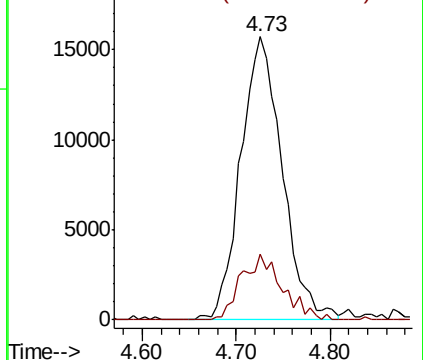
43 100

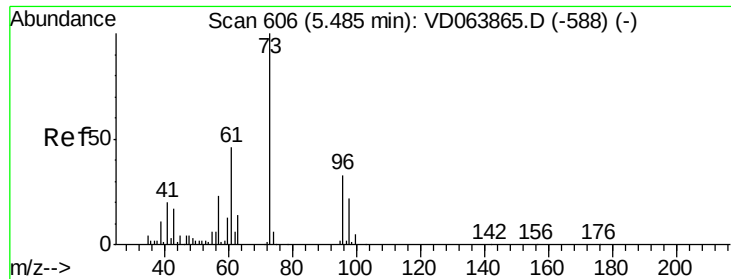
74 22.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



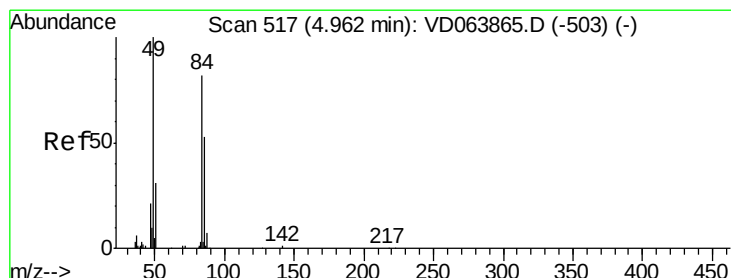
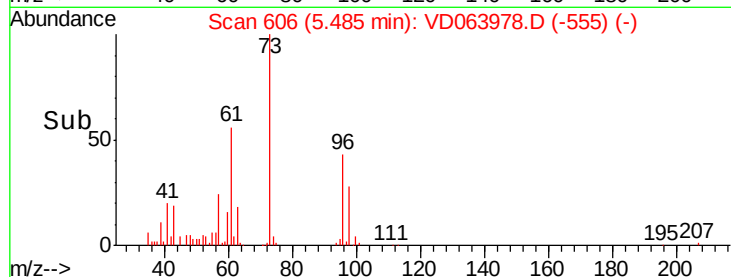
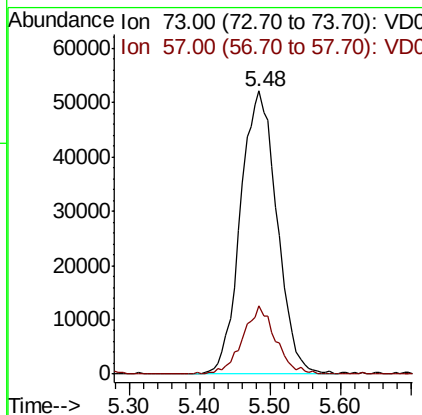
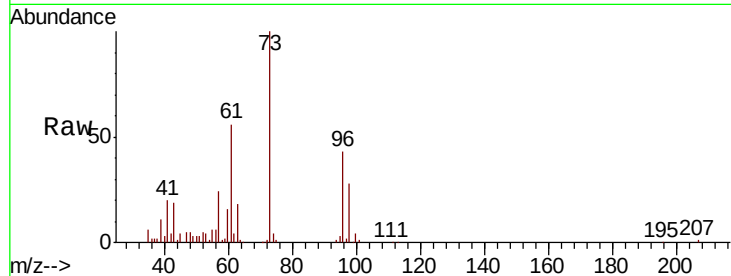


#19

Methyl tert-butyl Ether
 Concen: 45.744 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

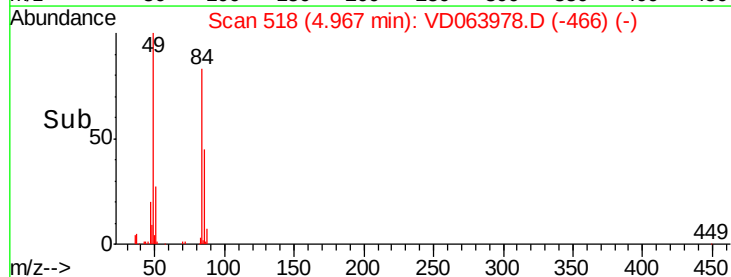
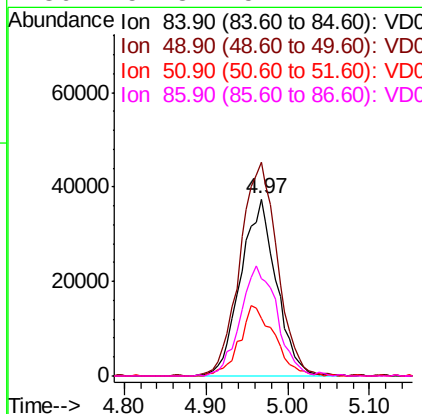
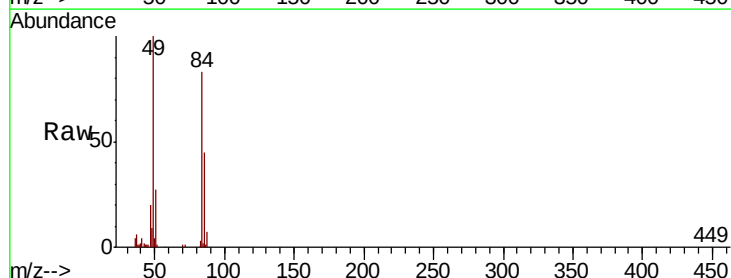
Tot Ion: 73 Resp: 187735
 Ion Ratio Lower Upper
 73 100
 57 24.1 18.1 27.1

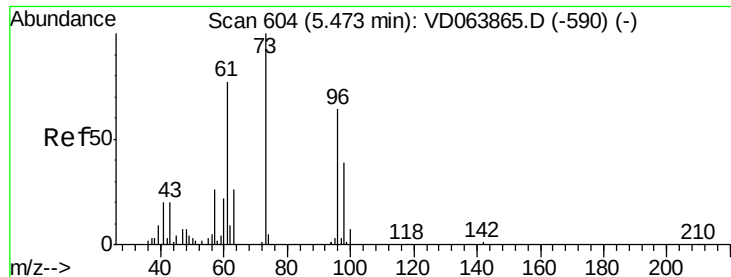


#20

Methylene Chloride
 Concen: 53.668 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 84 Resp: 113677
 Ion Ratio Lower Upper
 84 100
 49 120.7 97.3 145.9
 51 32.6 30.1 45.1
 86 54.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.302 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

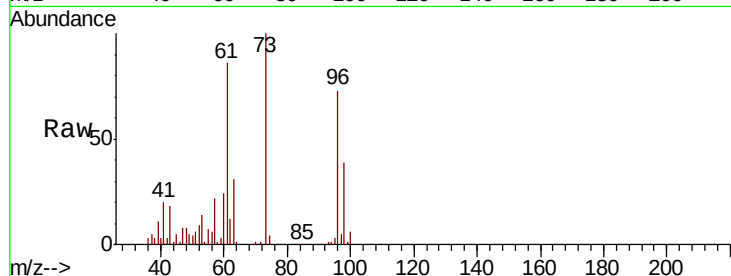
Tot Ion: 96 Resp: 91353

Ion Ratio Lower Upper

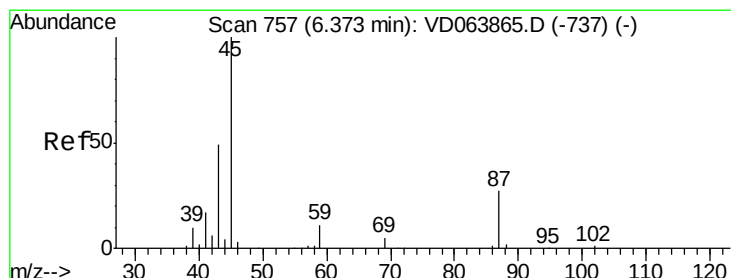
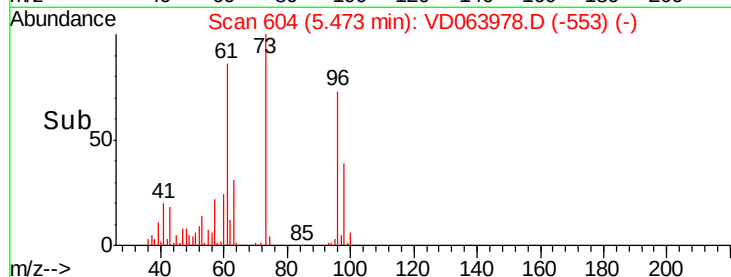
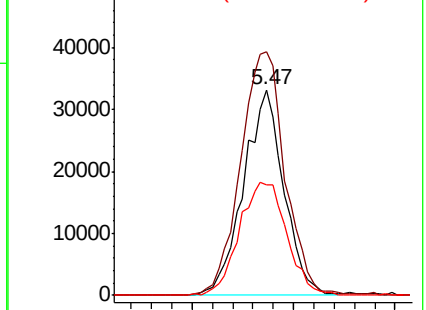
96 100

61 118.5 96.6 145.0

98 53.5 48.7 73.1



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: 48.981 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion: 45 Resp: 263588

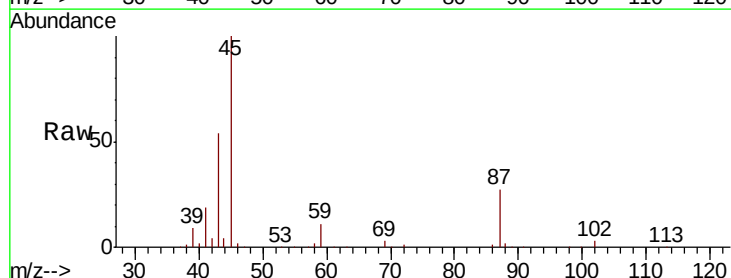
Ion Ratio Lower Upper

45 100

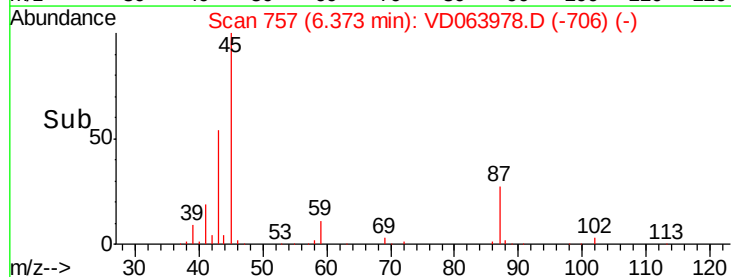
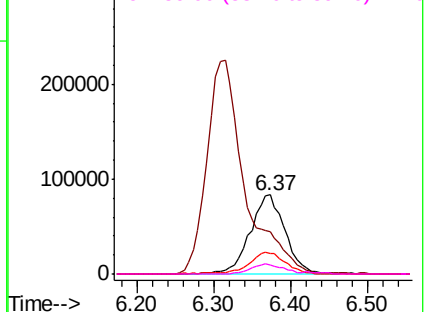
43 52.8 41.2 61.8

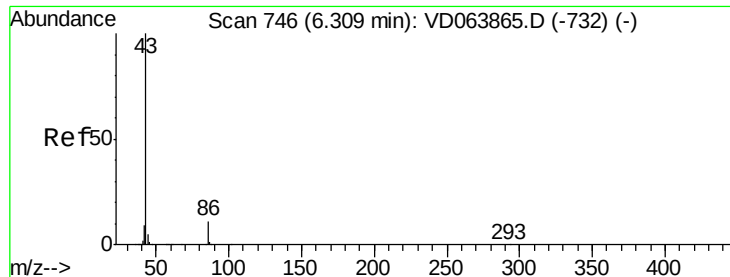
87 26.6 22.2 33.4

59 10.3 9.2 13.8



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: 240.211 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

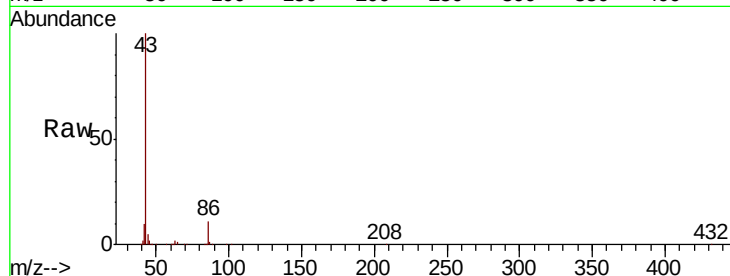
VSTDCCC050EC

Tot Ion: 43 Resp: 768998

Ion Ratio Lower Upper

43 100

86 11.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

150000

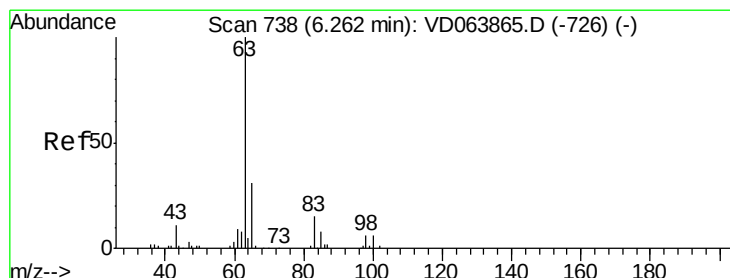
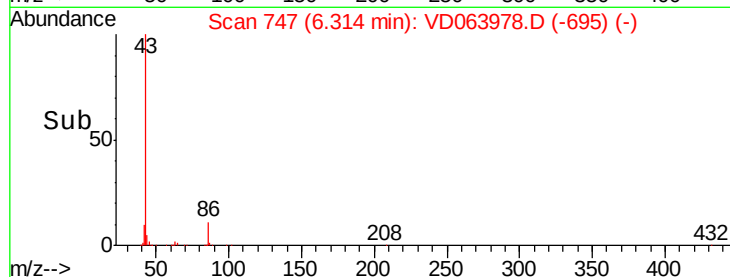
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 49.070 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

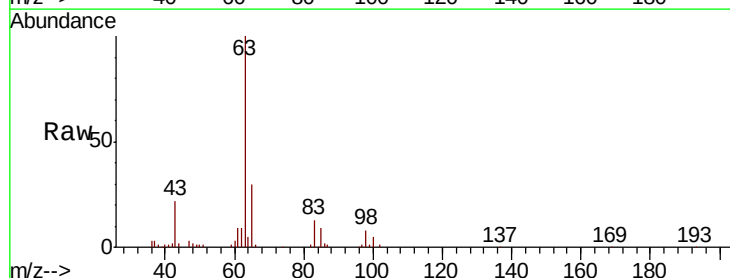
Tgt Ion: 63 Resp: 162653

Ion Ratio Lower Upper

63 100

98 7.7 3.1 9.4

100 4.6 3.0 9.2



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

6.27

60000

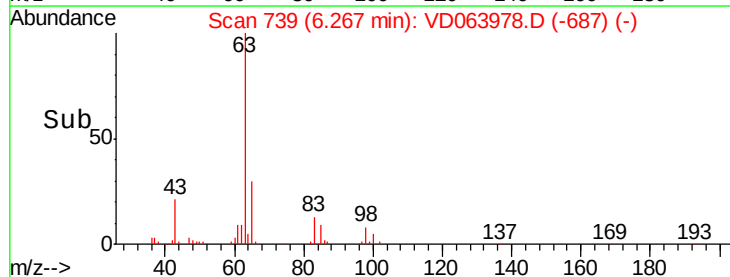
40000

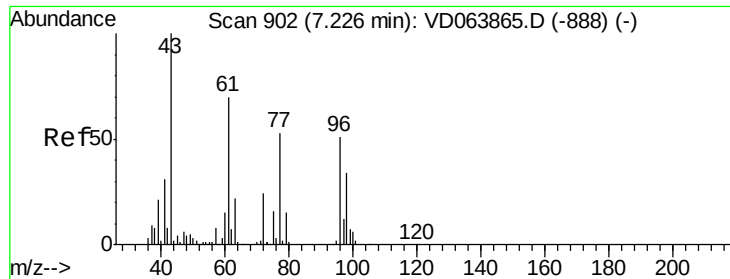
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 221.481 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

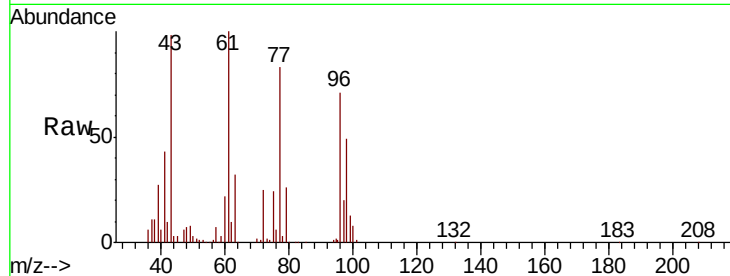
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 125817

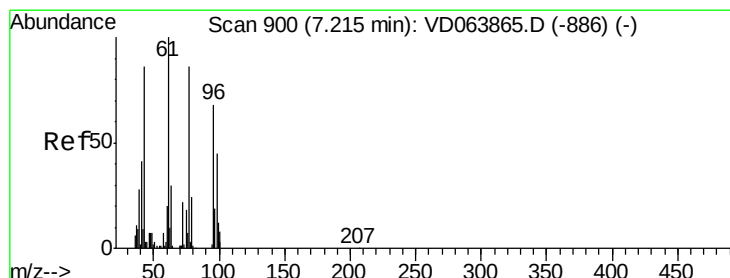
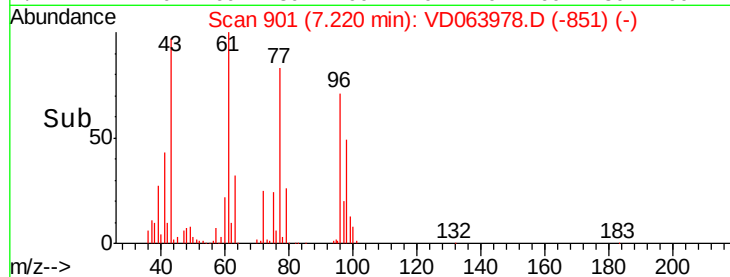
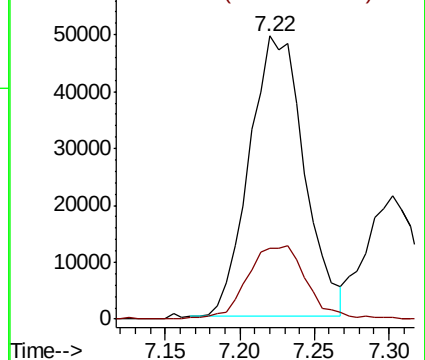
Ion Ratio Lower Upper

43 100

72 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.013 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063978.D

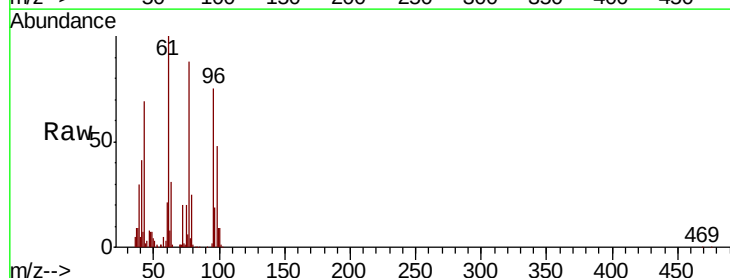
Acq: 15 Oct 2019 18:09

Tgt Ion: 77 Resp: 137970

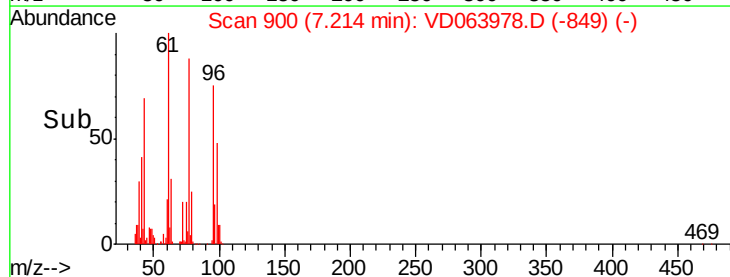
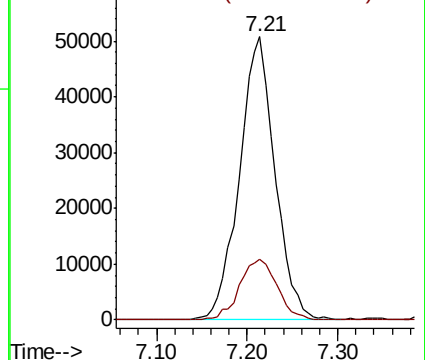
Ion Ratio Lower Upper

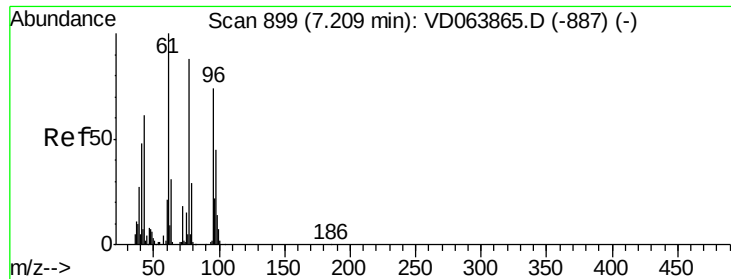
77 100

97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



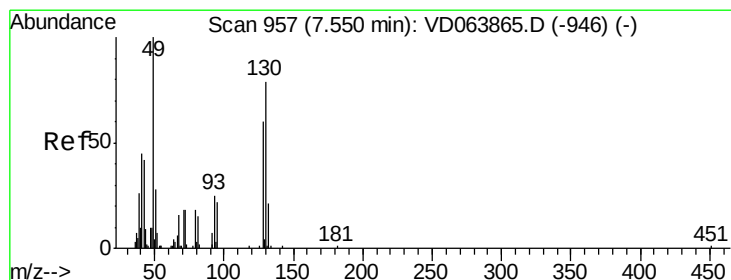
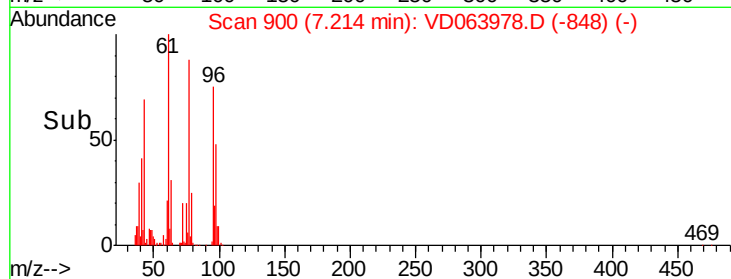
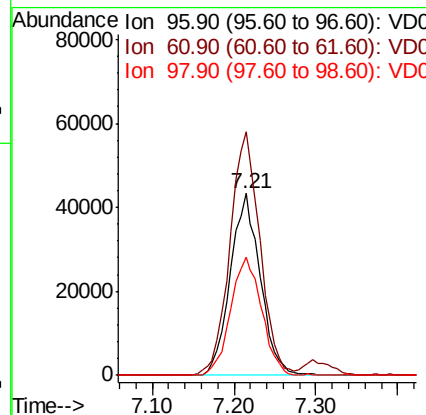
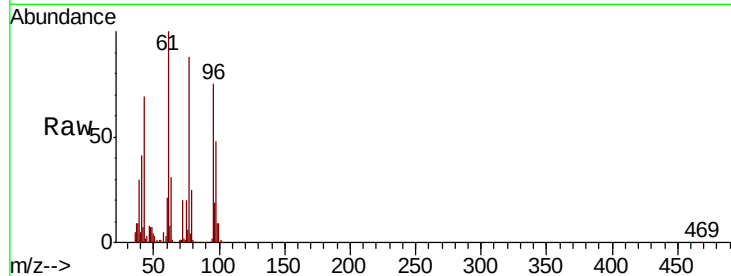


#27

cis-1,2-Dichloroethene
Concen: 49.365 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

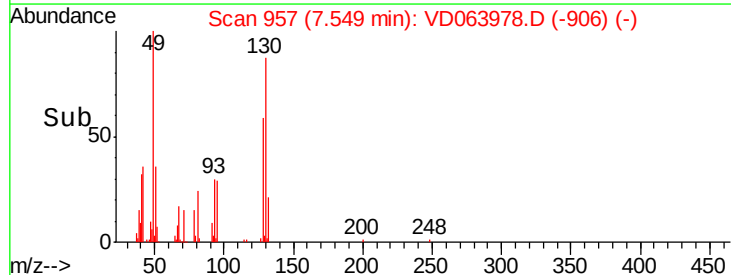
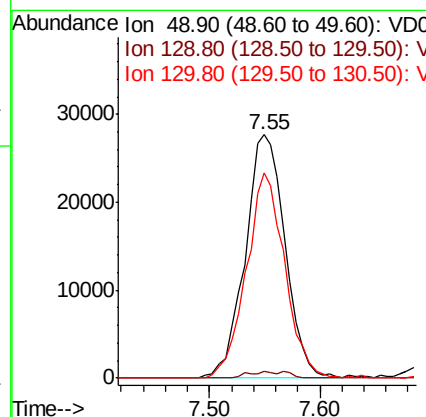
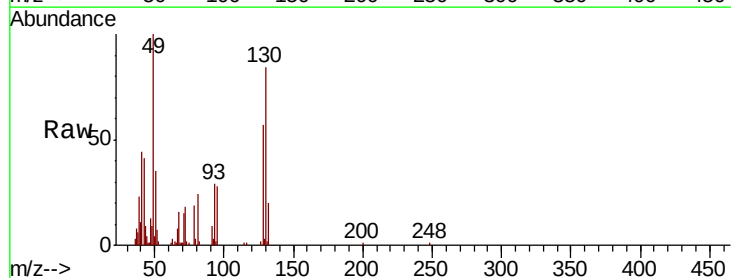
Tot Ion: 96 Resp: 110240
Ion Ratio Lower Upper
96 100
61 134.5 0.0 280.0
98 66.9 0.0 130.4

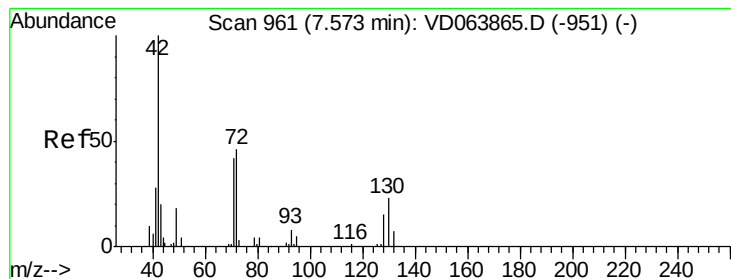


#28

Bromochloromethane
Concen: 55.515 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 49 Resp: 70230
Ion Ratio Lower Upper
49 100
129 1.8 0.0 5.6
130 81.3 66.8 100.2





#29

Tetrahydrofuran

Concen: 237.098 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

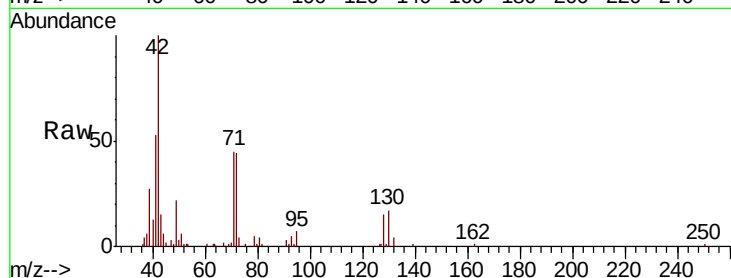
Tot Ion: 42 Resp: 78615

Ion Ratio Lower Upper

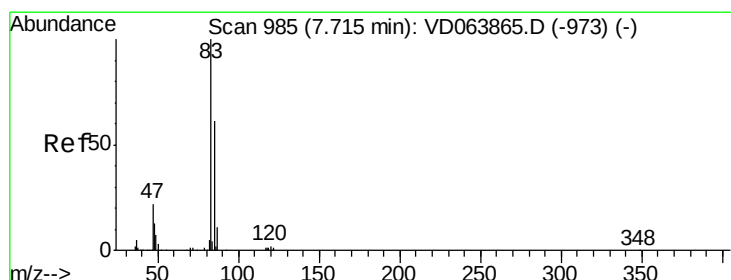
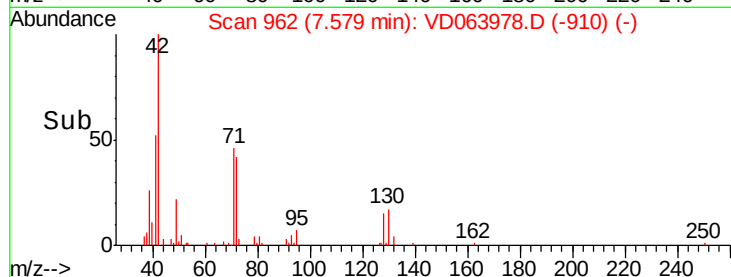
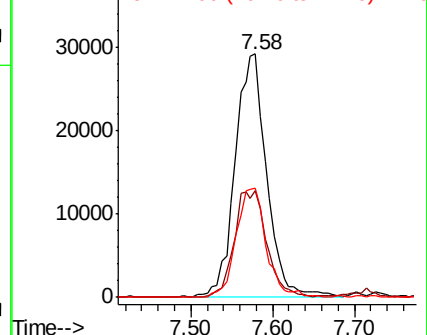
42 100

72 44.8 37.6 56.4

71 42.6 35.0 52.6



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: 48.127 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD063978.D

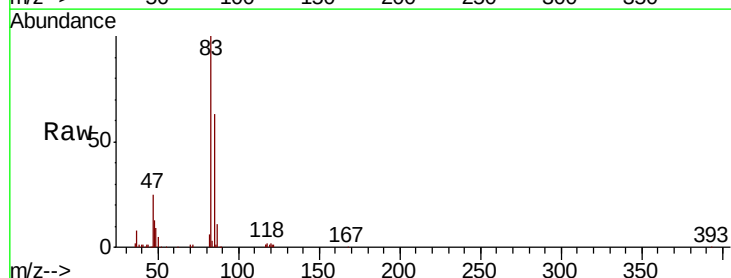
Acq: 15 Oct 2019 18:09

Tgt Ion: 83 Resp: 173268

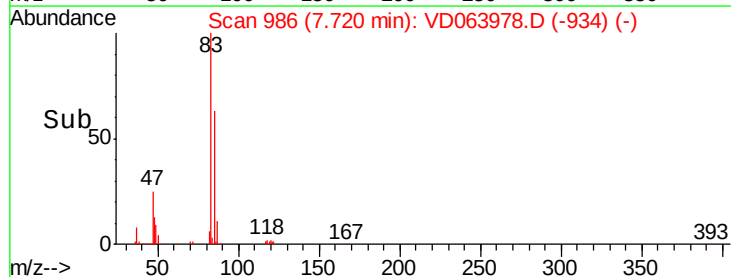
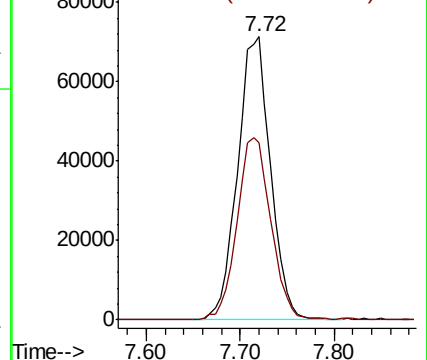
Ion Ratio Lower Upper

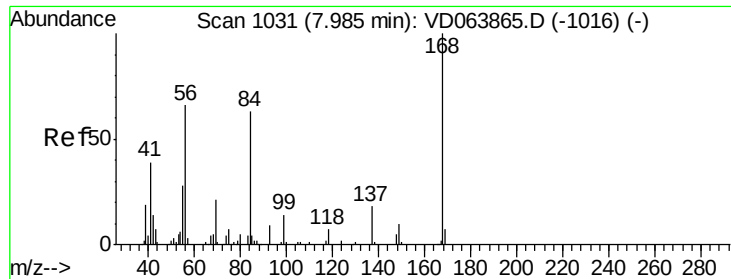
83 100

85 62.5 48.9 73.3



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

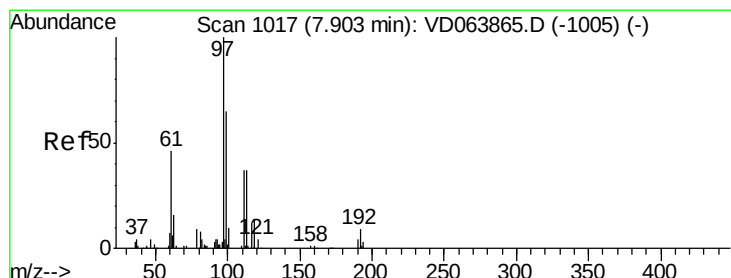
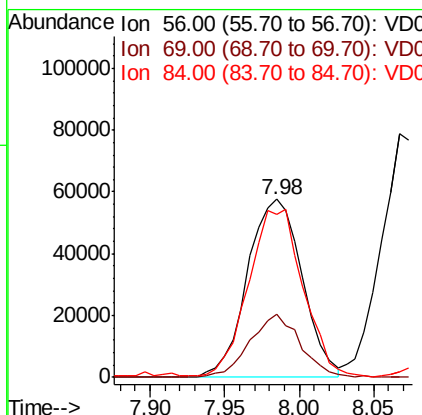
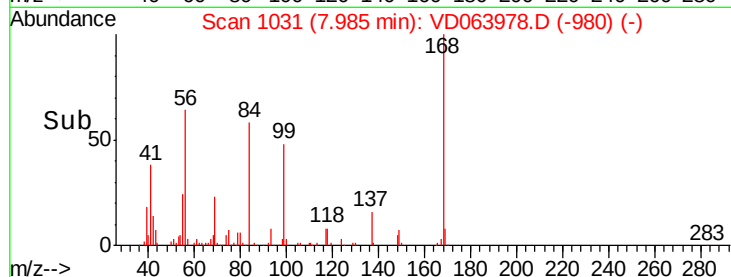
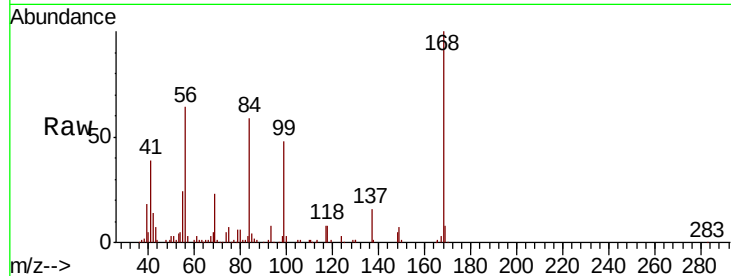




#31
Cyclohexane
Concen: 53.936 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

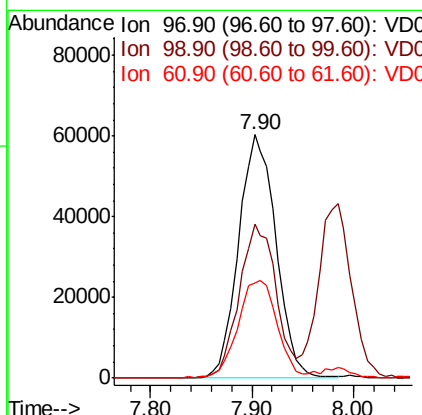
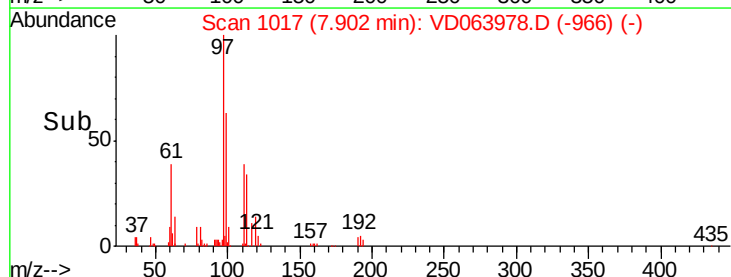
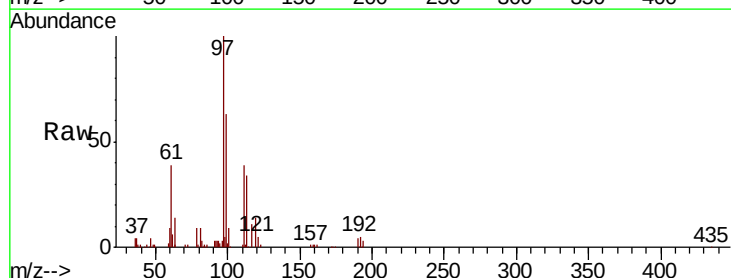
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

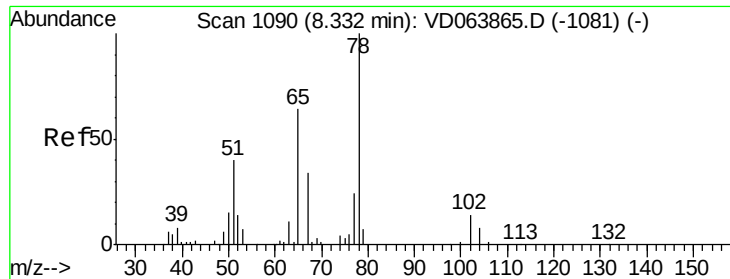
Tot Ion: 56 Resp: 146954
Ion Ratio Lower Upper
56 100
69 35.6 25.0 37.4
84 90.7 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 49.849 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 97 Resp: 153949
Ion Ratio Lower Upper
97 100
99 62.6 52.4 78.6
61 42.1 33.8 50.8

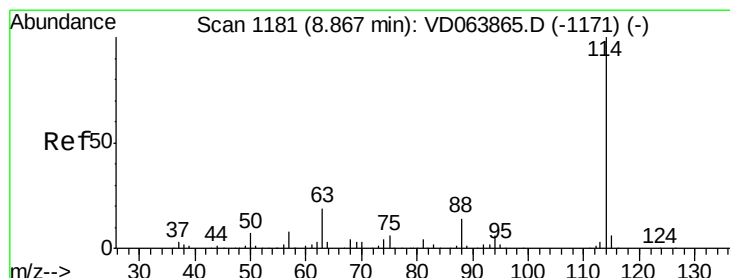
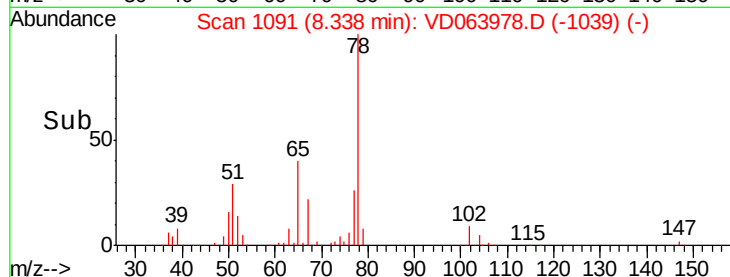
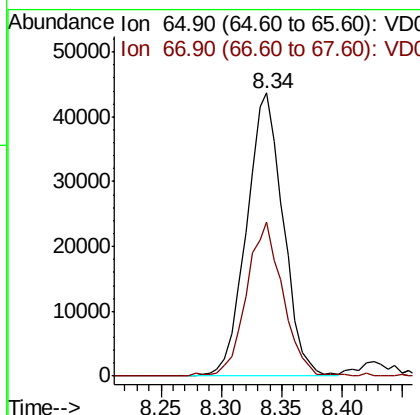
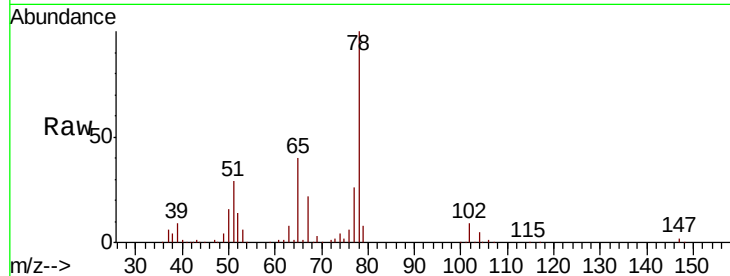




#33
 1,2-Dichloroethane-d4
 Concen: 50.105 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

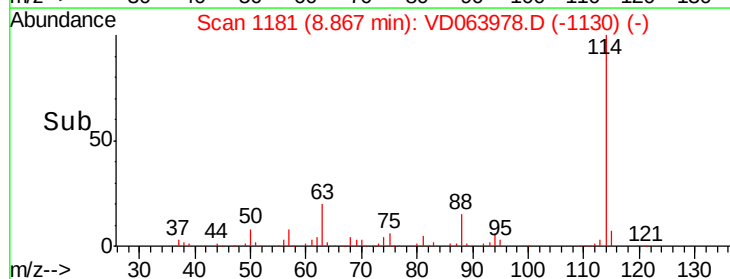
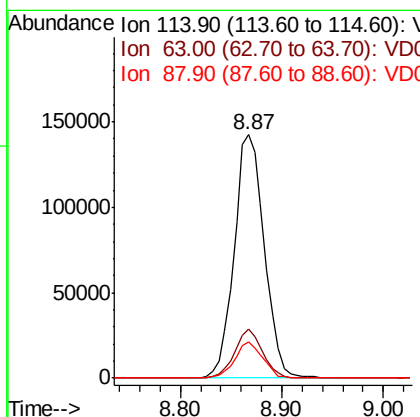
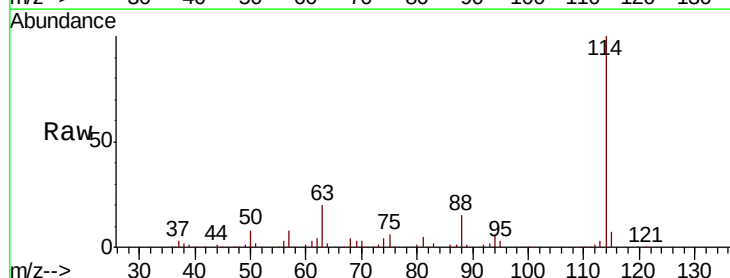
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

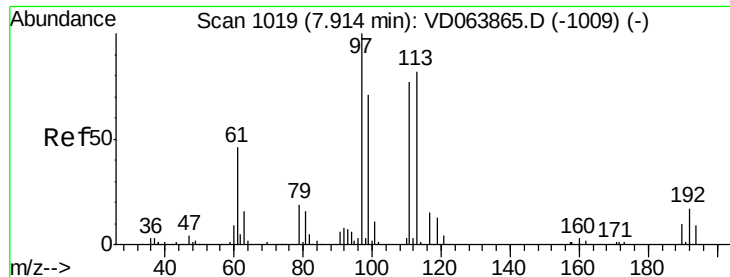
Tot Ion: 65 Resp: 92248
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 114 Resp: 292838
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.4
 88 14.8 0.0 27.4

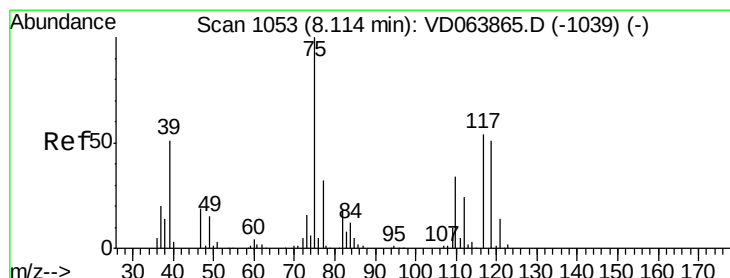
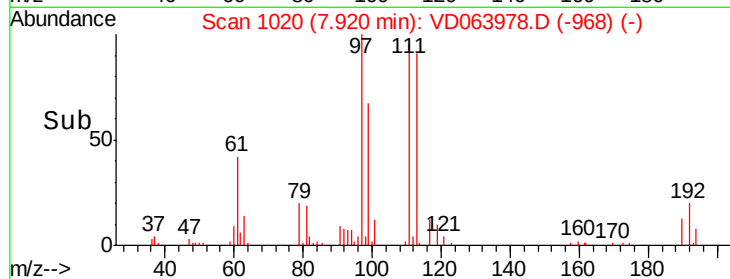
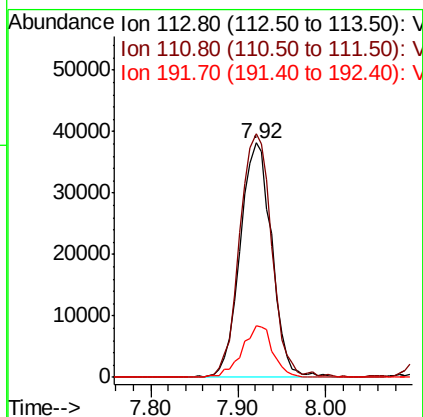
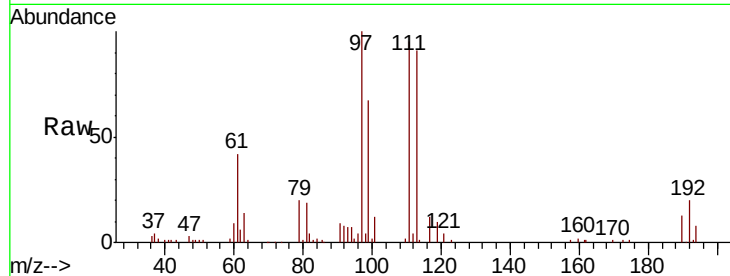




#35
 Dibromofluoromethane
 Concen: 51.908 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

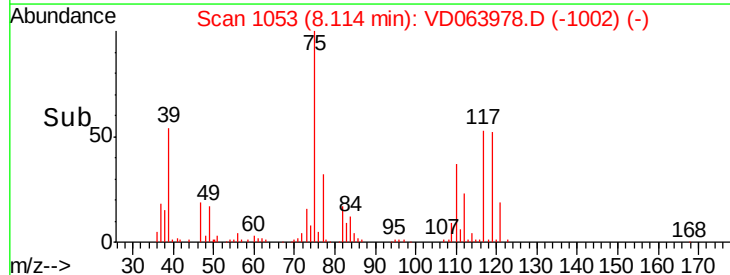
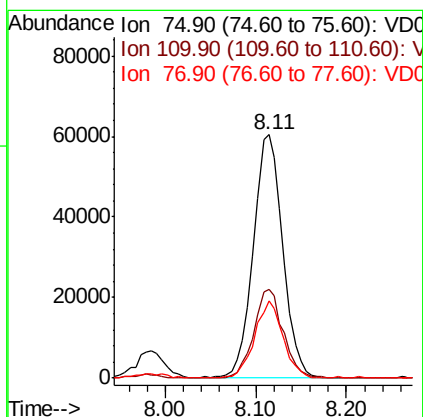
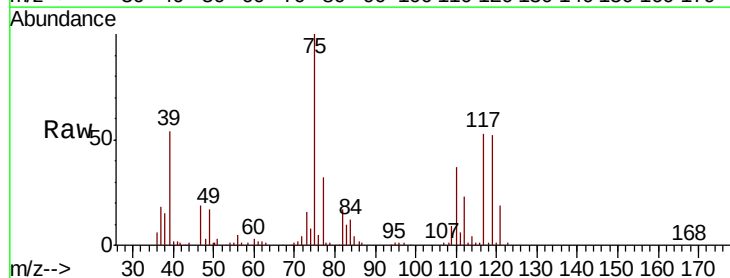
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

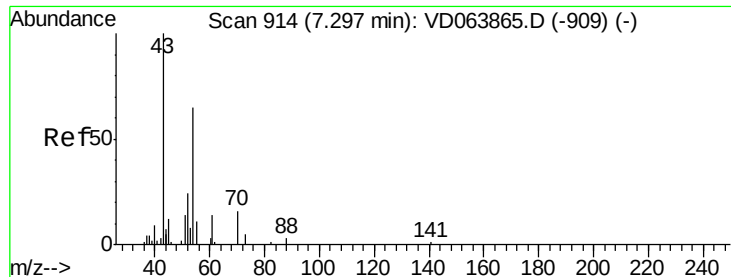
Tot Ion:113 Resp: 92895
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.6 123.8
 192 21.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 51.000 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 75 Resp: 136553
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.4 52.3
 77 30.6 25.4 38.0

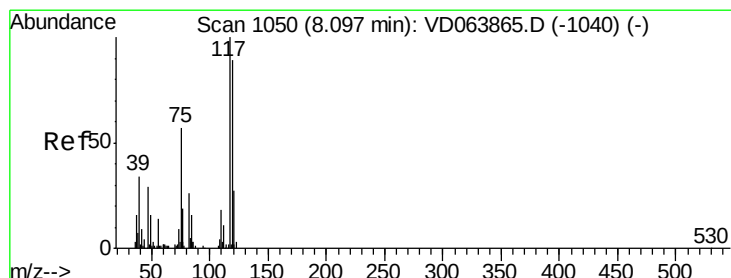
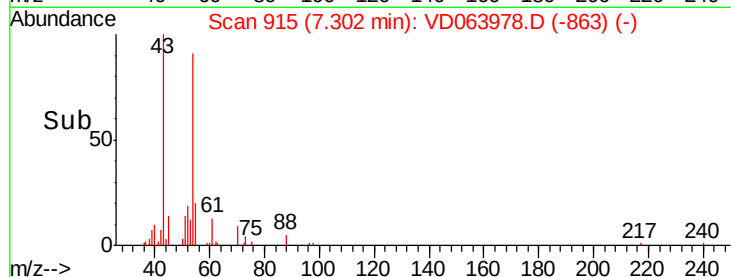
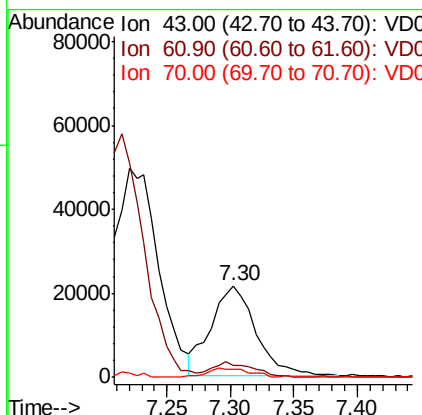
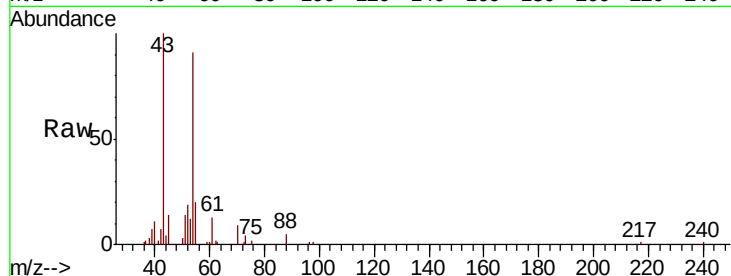




#37
Ethyl Acetate
Concen: 48.680 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

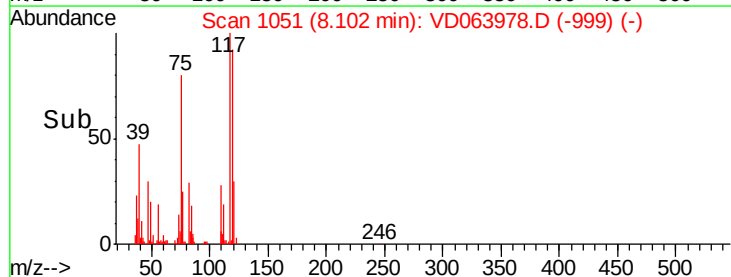
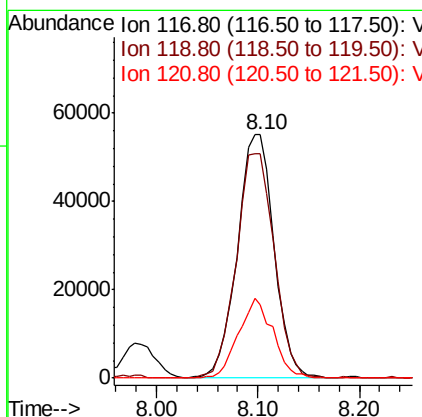
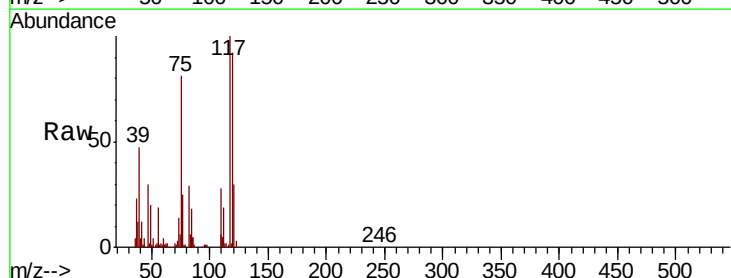
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

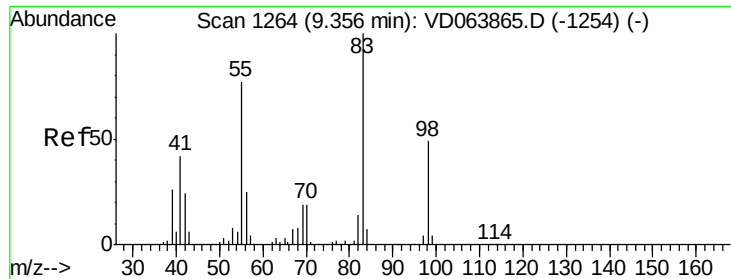
Tot Ion: 43 Resp: 52378
Ion Ratio Lower Upper
43 100
61 15.9 11.5 17.3
70 10.1 8.2 12.4



#38
Carbon Tetrachloride
Concen: 51.255 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 117 Resp: 138682
Ion Ratio Lower Upper
117 100
119 92.3 70.8 106.2
121 30.0 21.4 32.0

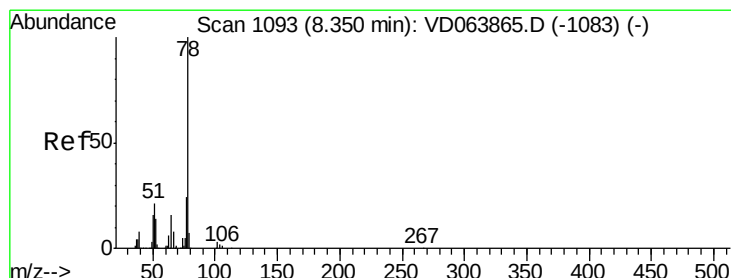
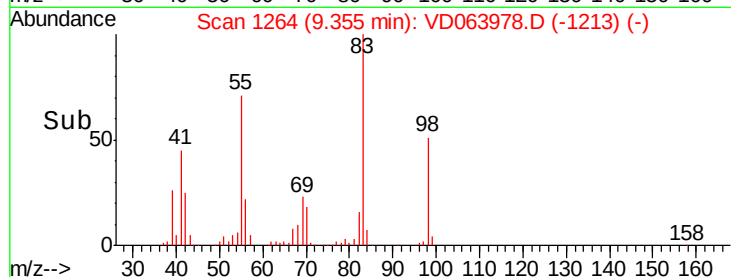
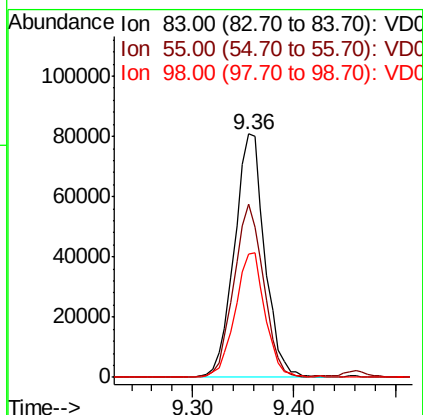
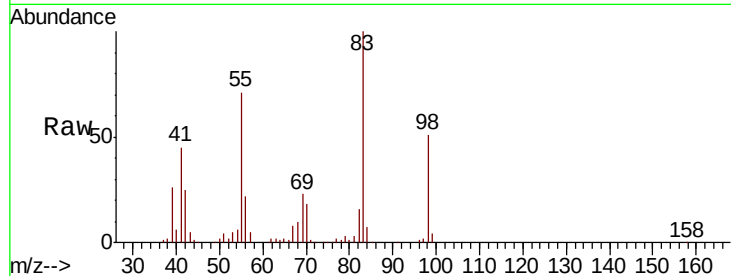




#39
Methylvlcyclohexane
Concen: 51.087 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

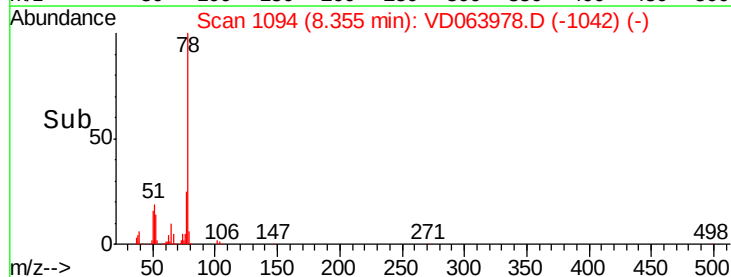
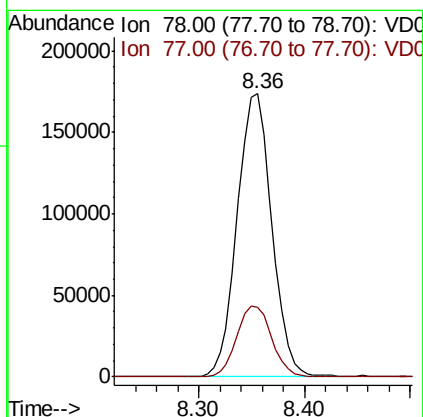
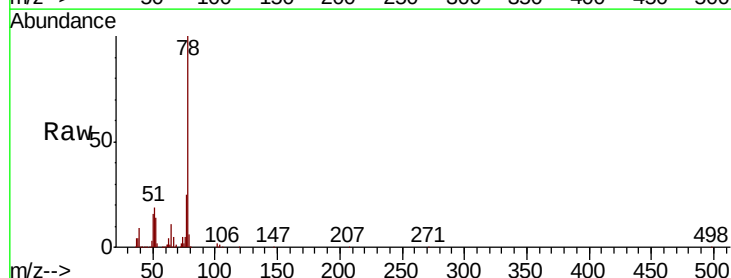
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

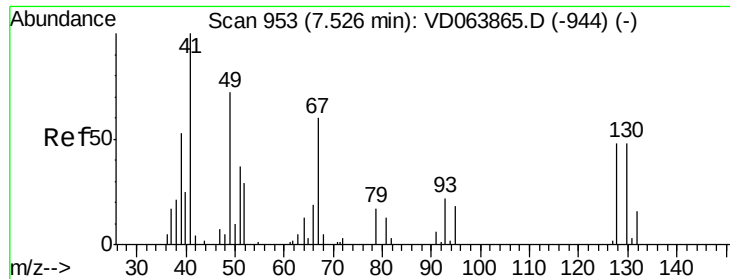
Tot Ion: 83 Resp: 168183
Ion Ratio Lower Upper
83 100
55 71.3 61.3 91.9
98 50.8 39.3 58.9



#40
Benzene
Concen: 51.665 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 78 Resp: 396417
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

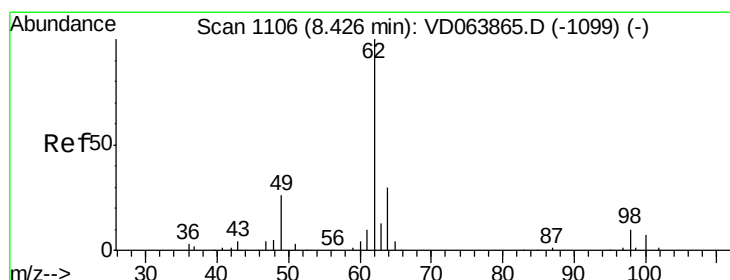
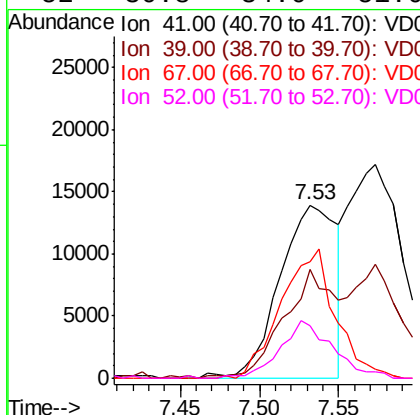
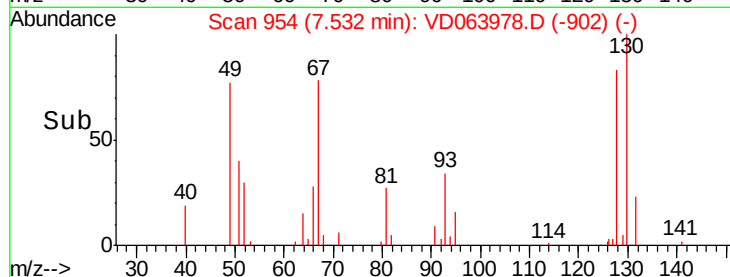
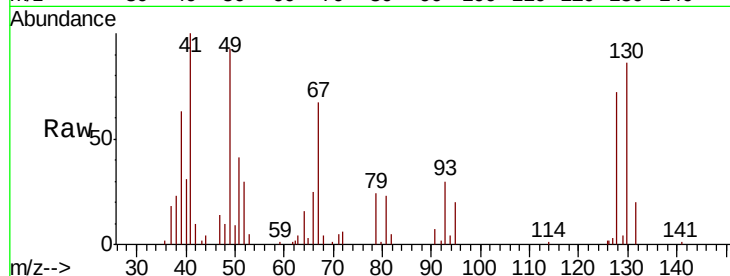




#41
Methacrylonitrile
Concen: 55.923 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

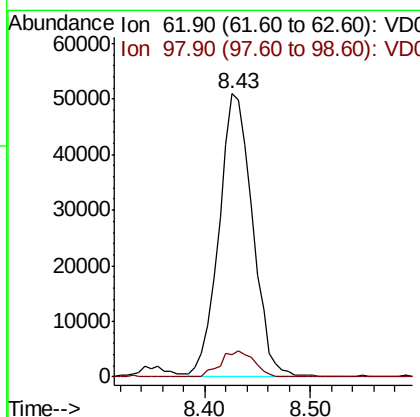
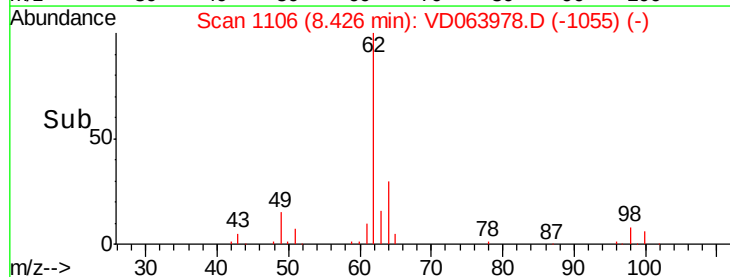
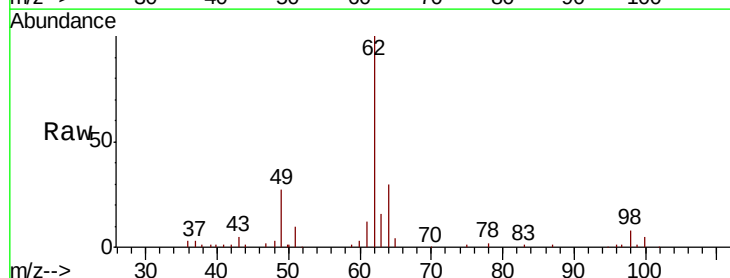
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

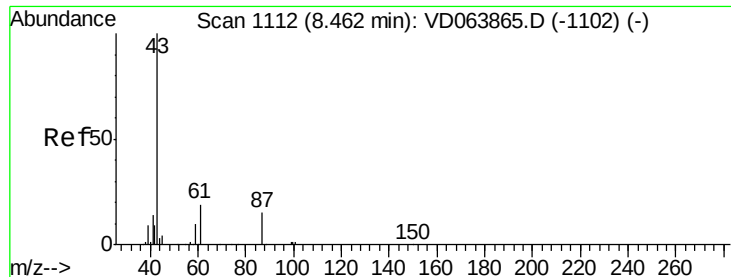
Tot Ion: 41 Resp: 34715
Ion Ratio Lower Upper
41 100
39 55.0 52.6 78.8
67 71.7 74.2 111.2#
52 30.8 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 50.577 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 62 Resp: 112255
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 46.540 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

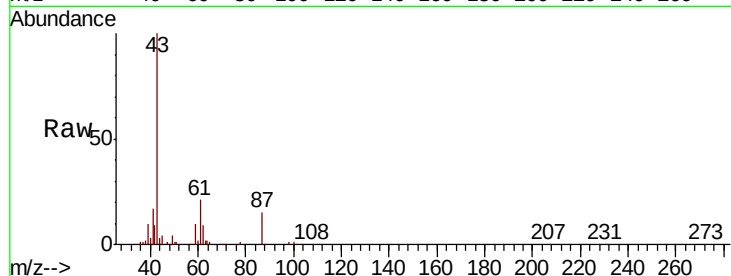
Tot Ion: 43 Resp: 104503

Ion Ratio Lower Upper

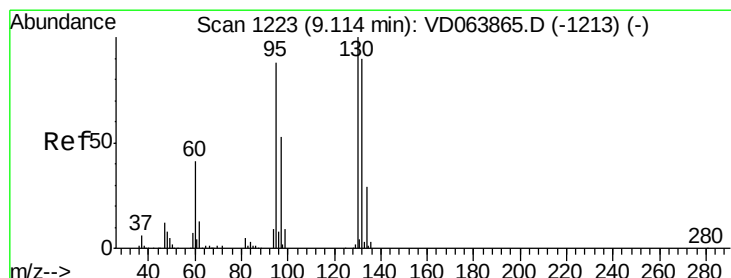
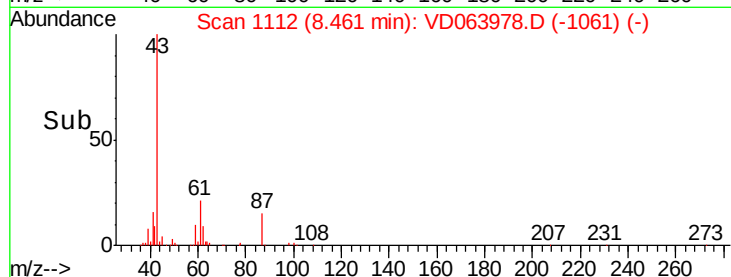
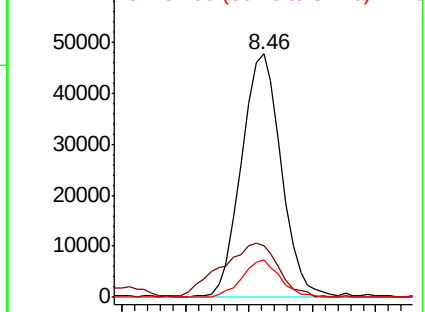
43 100

61 31.8 25.7 38.5

87 14.5 11.6 17.4



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



#44

Trichloroethene

Concen: 49.534 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063978.D

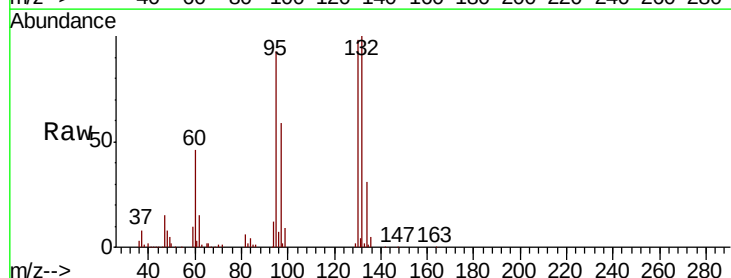
Acq: 15 Oct 2019 18:09

Tgt Ion:130 Resp: 109598

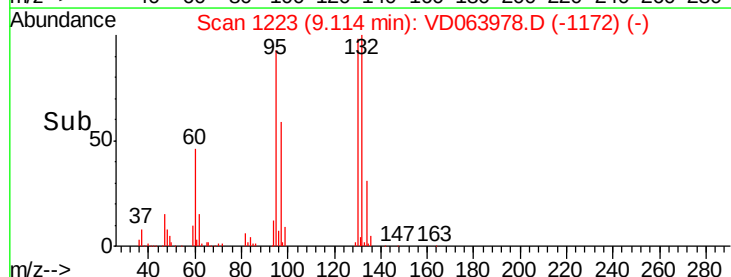
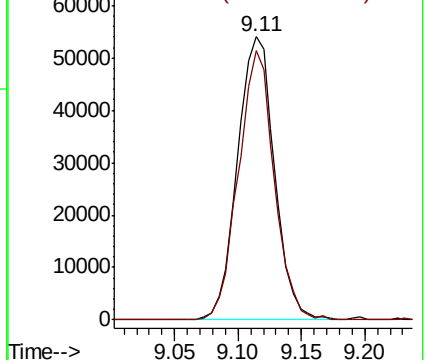
Ion Ratio Lower Upper

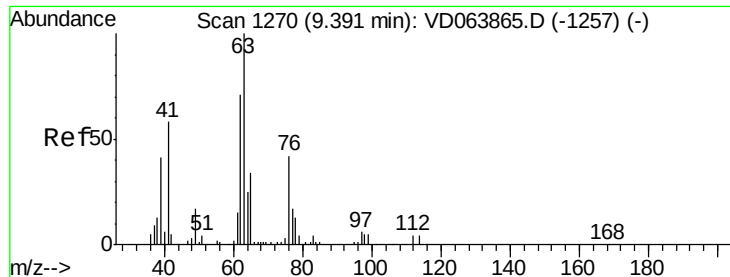
130 100

95 95.0 0.0 175.6



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





#45

1,2-Dichloropropane

Concen: 50.920 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

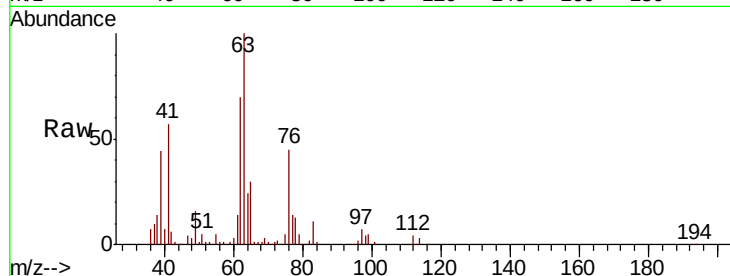
VSTDCCC050EC

Tot Ion: 63 Resp: 95630

Ion Ratio Lower Upper

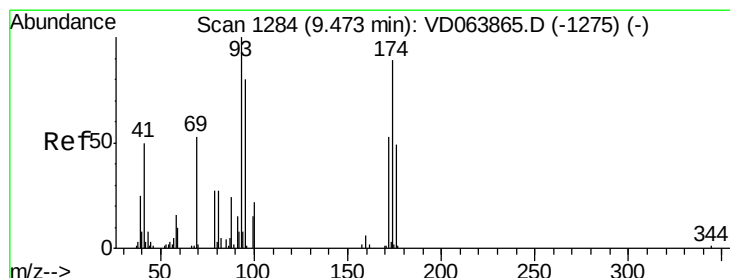
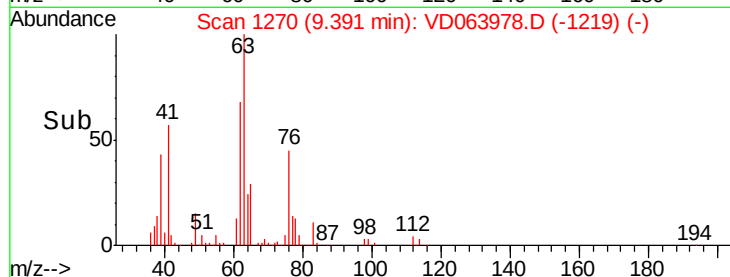
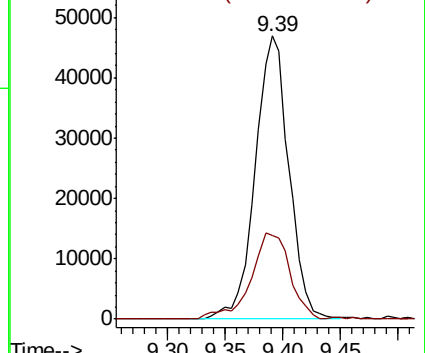
63 100

65 29.7 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.019 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

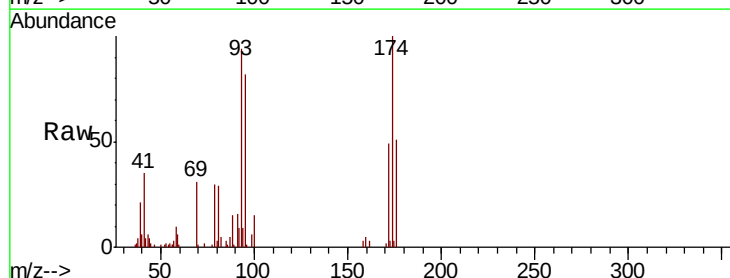
Tgt Ion: 93 Resp: 52429

Ion Ratio Lower Upper

93 100

95 84.1 66.0 99.0

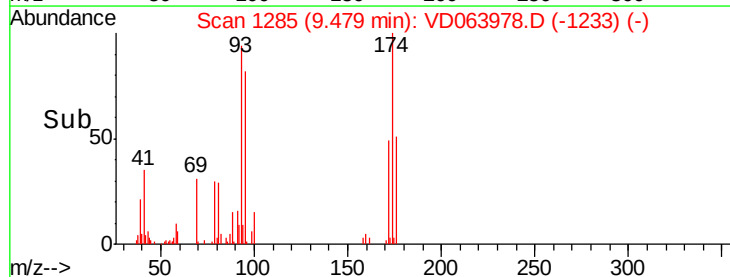
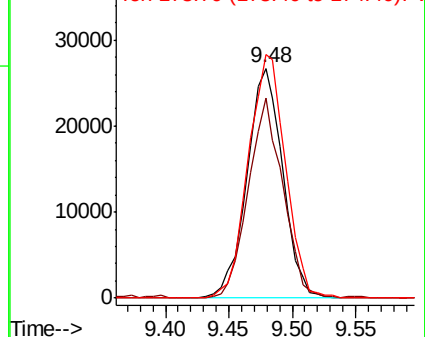
174 110.3 83.4 125.0

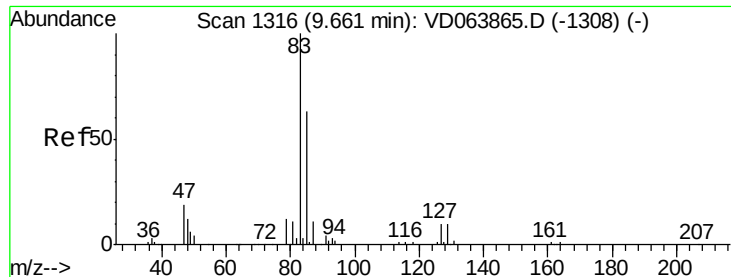


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.040 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

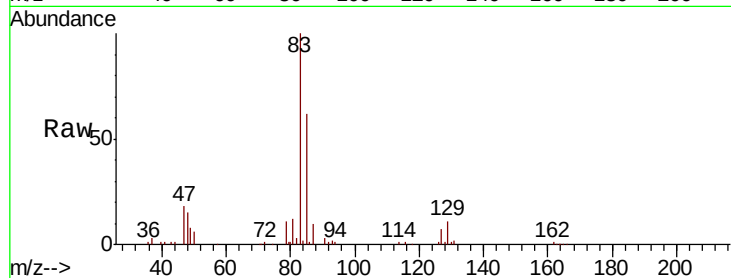
Tot Ion: 83 Resp: 137798

Ion Ratio Lower Upper

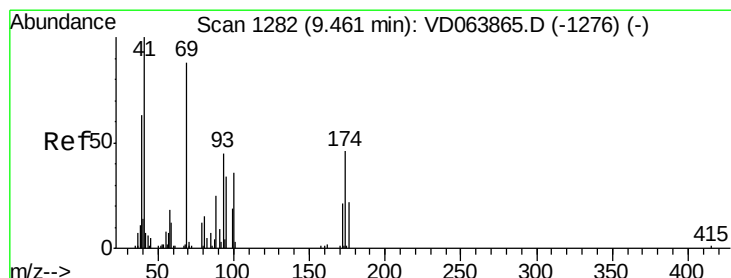
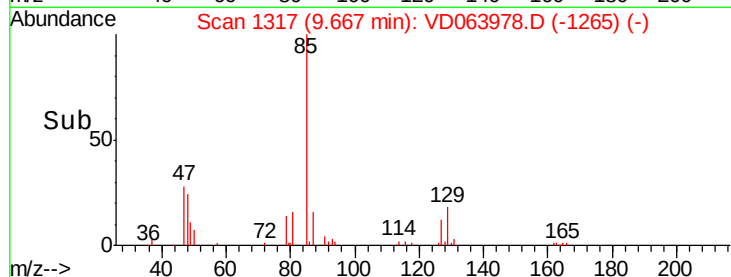
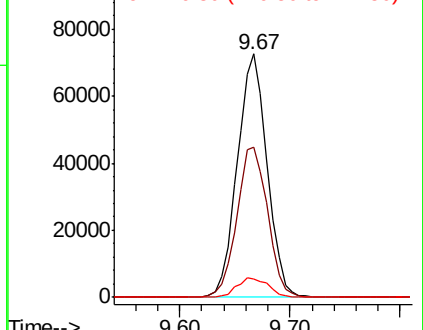
83 100

85 61.6 50.2 75.2

127 7.5 7.6 11.4#



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



#48

Methyl methacrylate

Concen: 44.852 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

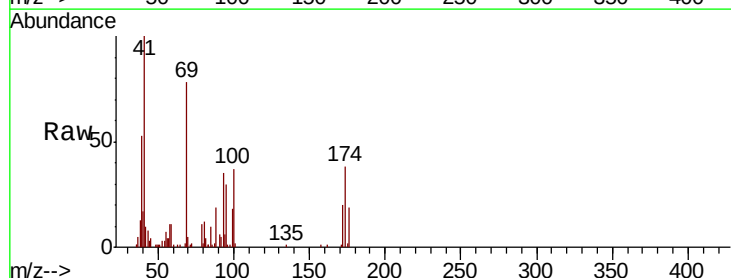
Tgt Ion: 41 Resp: 48255

Ion Ratio Lower Upper

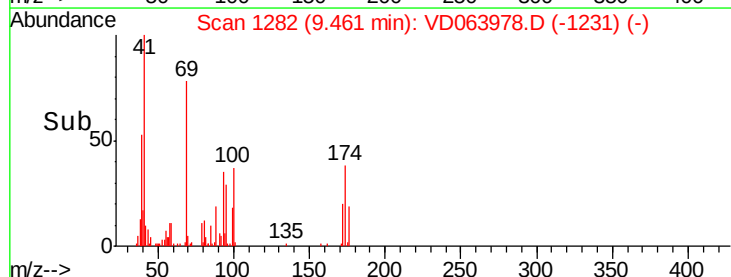
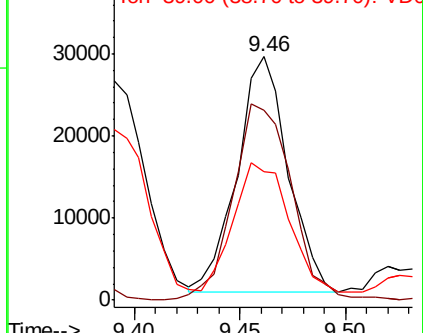
41 100

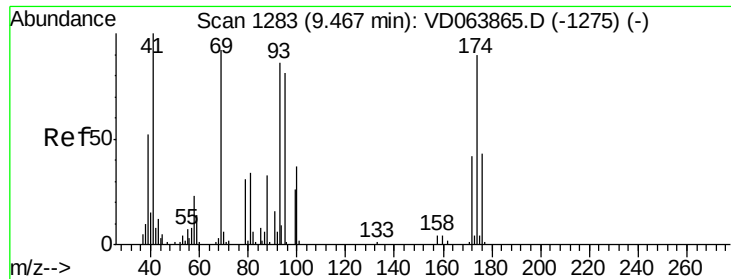
69 95.5 75.1 112.7

39 65.6 50.2 75.2



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

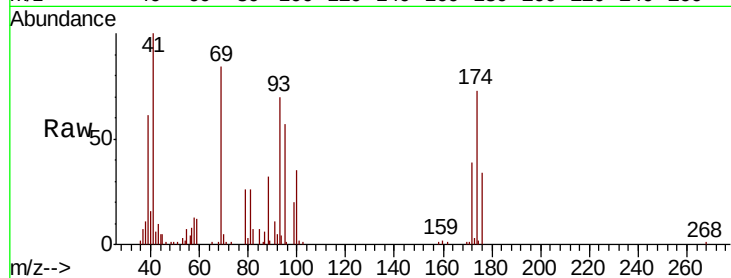




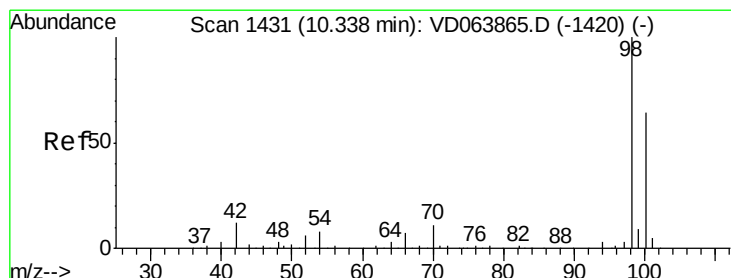
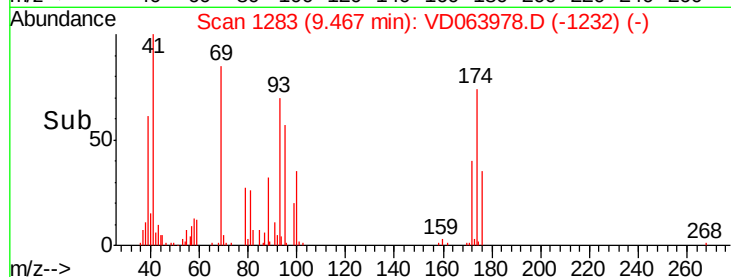
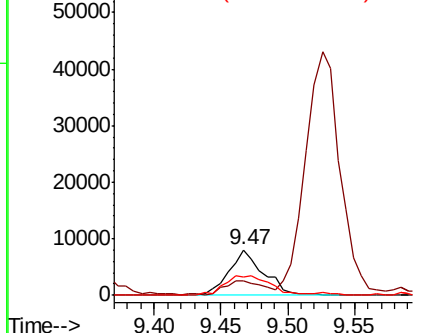
#49
1,4-Dioxane
Concen: 1003.586 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 14652
Ion Ratio Lower Upper
88 100
43 37.7 27.6 41.4
58 56.9 54.1 81.1

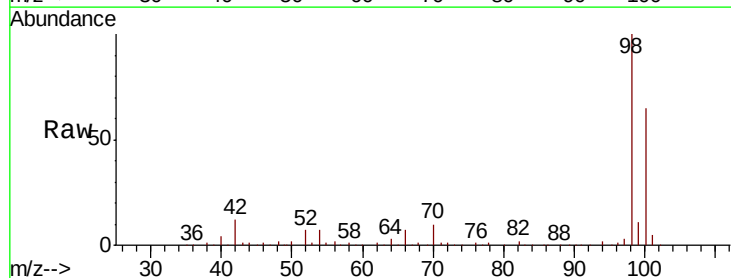


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

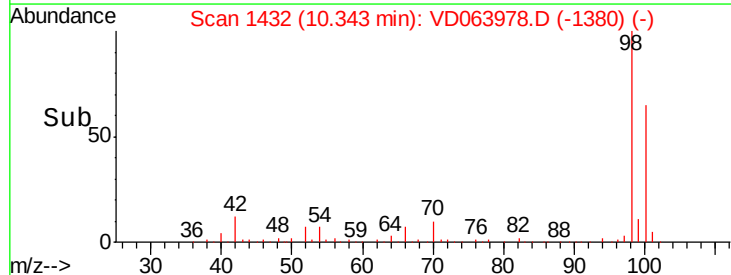
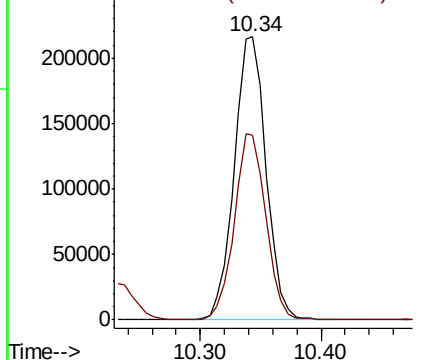


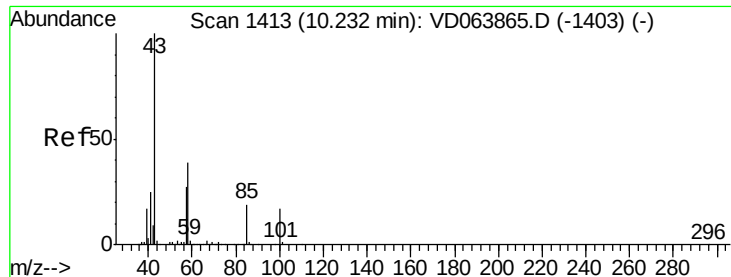
#50
Toluene-d8
Concen: 54.584 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 98 Resp: 396488
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



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

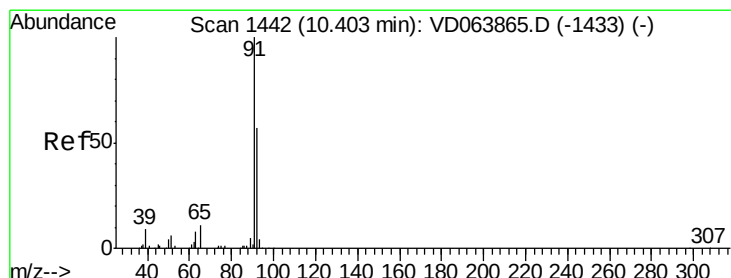
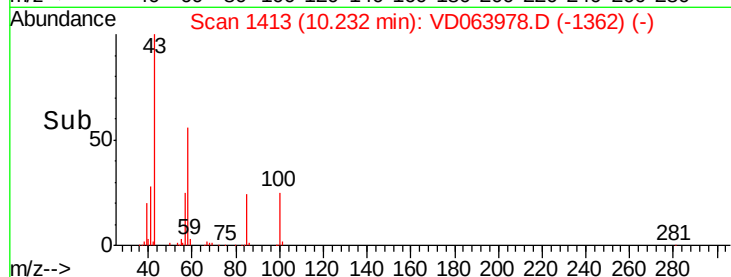
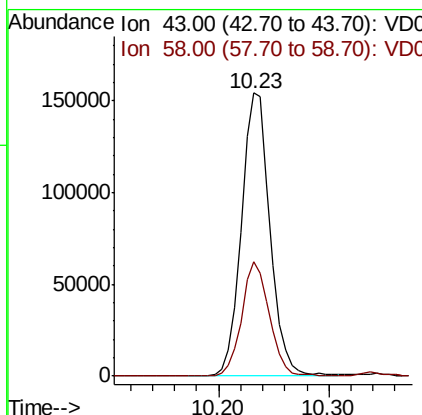
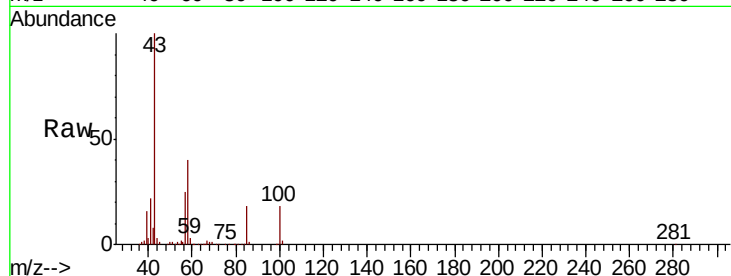




#51
4-Methyl-2-Pentanone
Concen: 241.550 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

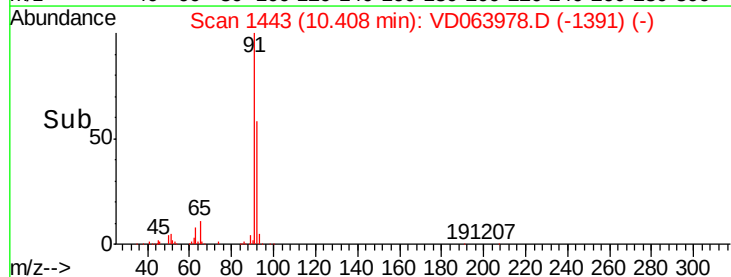
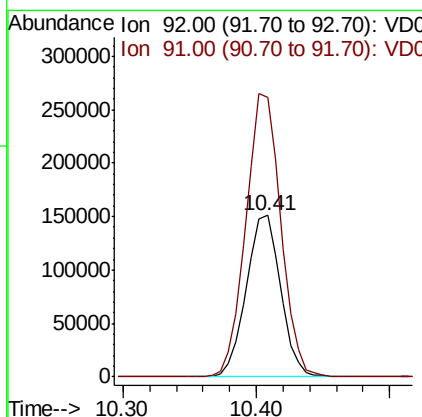
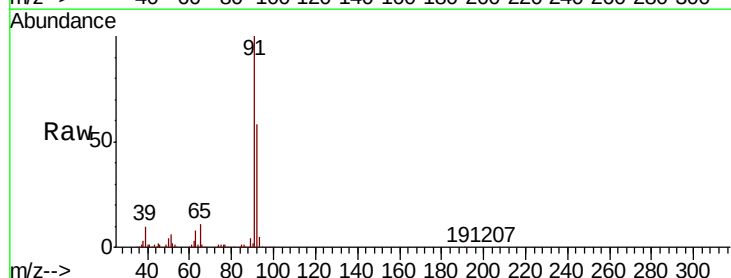
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

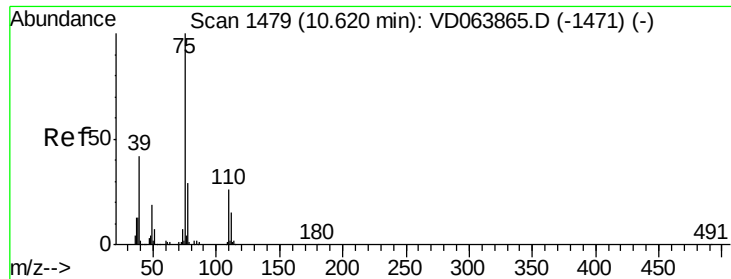
Tot Ion: 43 Resp: 281293
Ion Ratio Lower Upper
43 100
58 39.1 33.0 49.4



#52
Toluene
Concen: 50.949 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 92 Resp: 268362
Ion Ratio Lower Upper
92 100
91 178.7 139.5 209.3

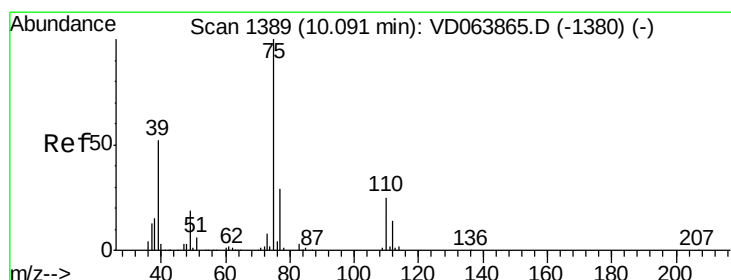
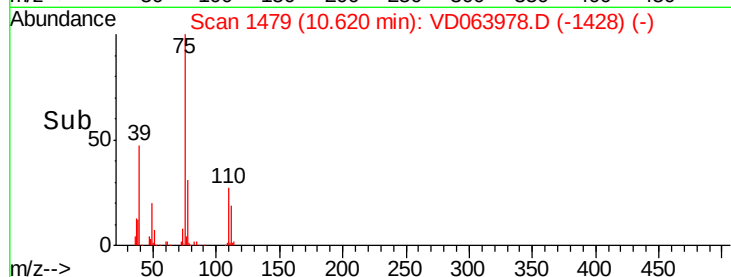
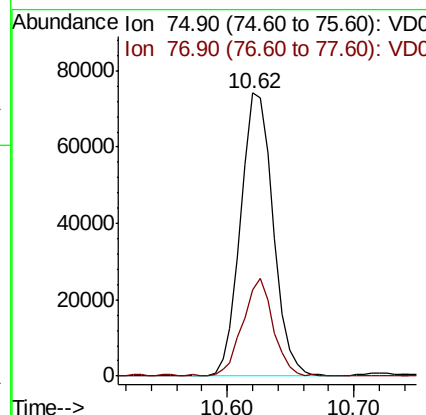
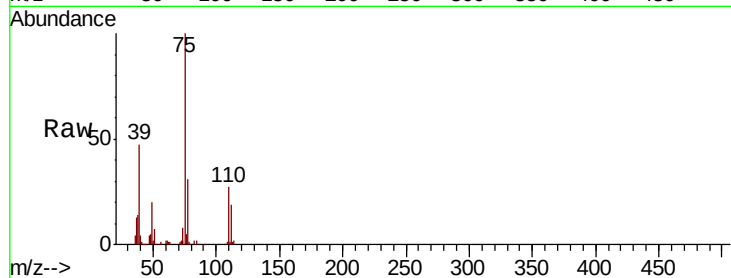




#53
 t-1,3-Dichloropropene
 Concen: 49.170 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

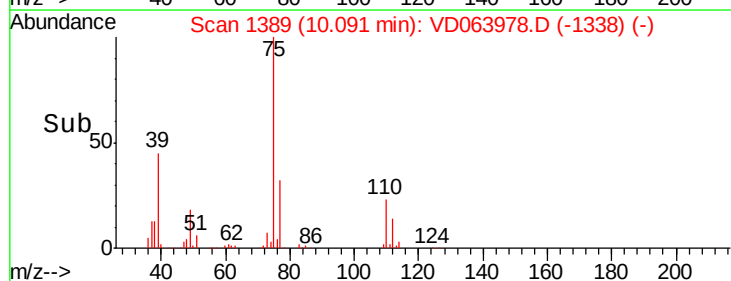
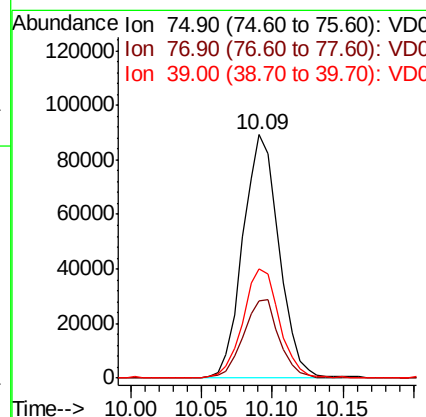
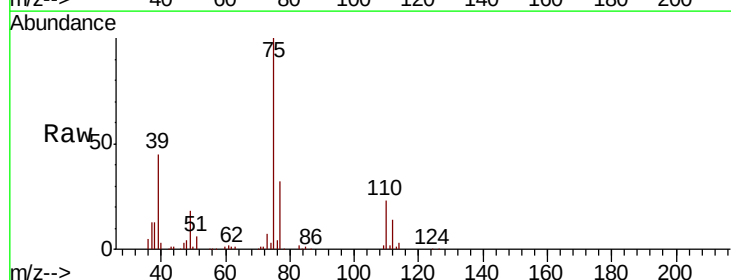
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

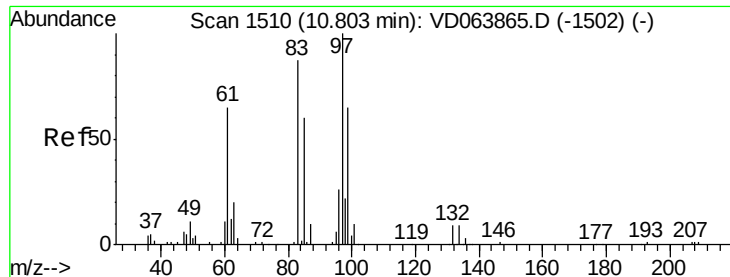
Tot Ion: 75 Resp: 132127
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.8 34.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.613 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 75 Resp: 159650
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.2 34.8
 39 44.7 41.5 62.3

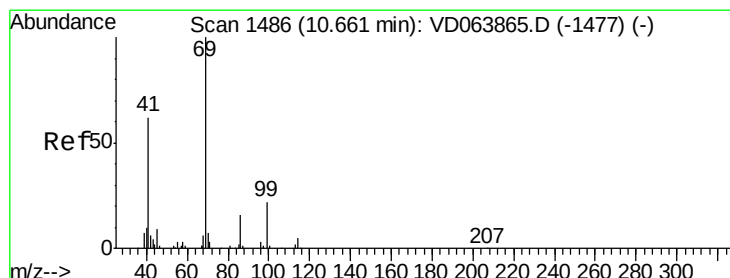
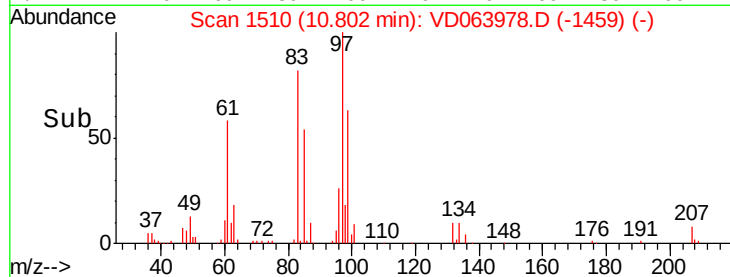
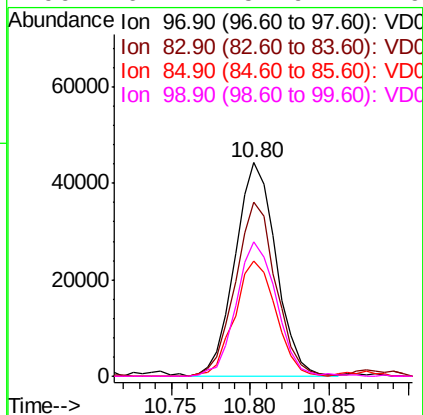
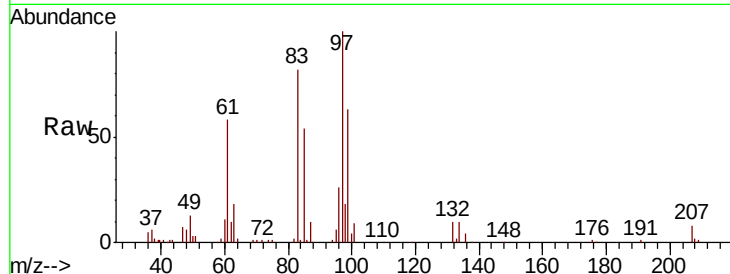




#55
 1,1,2-Trichloroethane
 Concen: 52.791 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

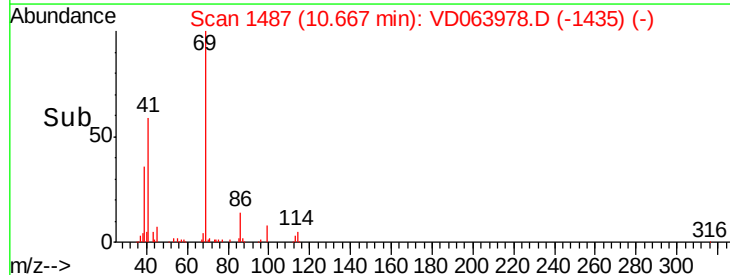
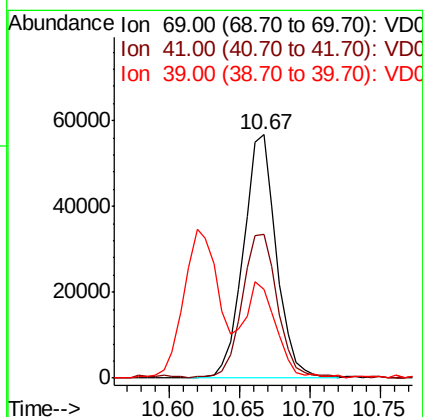
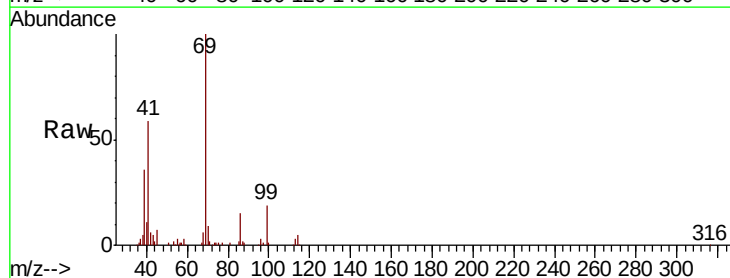
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

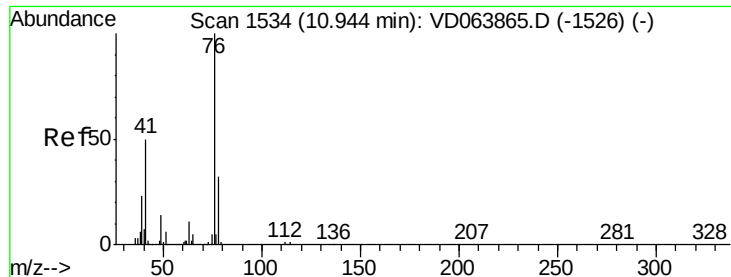
Tot Ion:	97	Resp:	79725
Ion	Ratio	Lower	Upper
97	100		
83	81.8	69.7	104.5
85	53.9	48.1	72.1
99	62.7	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 48.418 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion:	69	Resp:	92596
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.3	76.9
39	39.2	28.0	42.0

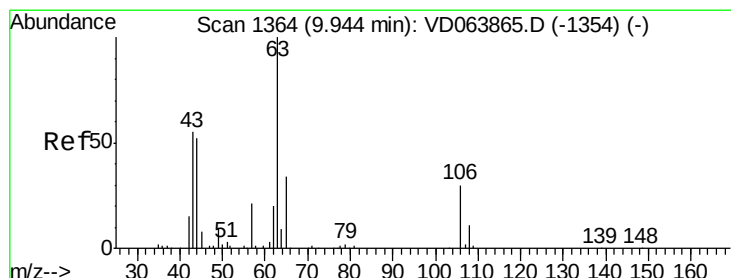
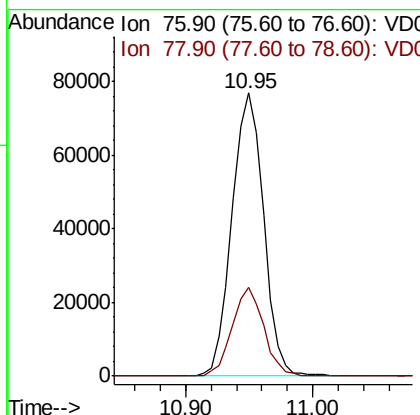
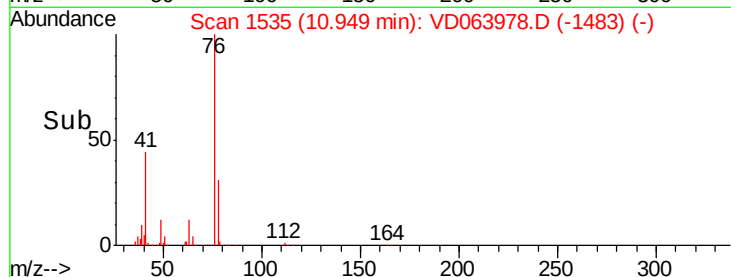
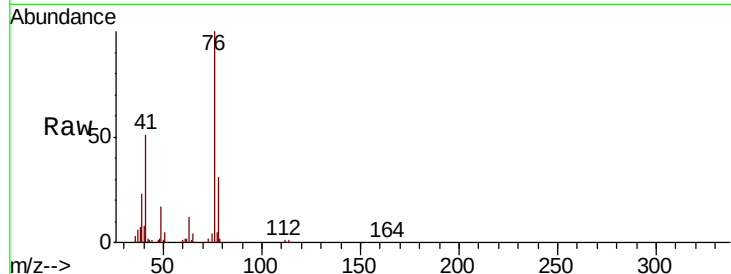




#57
 1,3-Dichloropropane
 Concen: 51.497 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

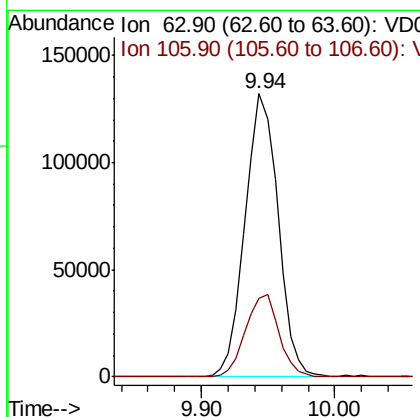
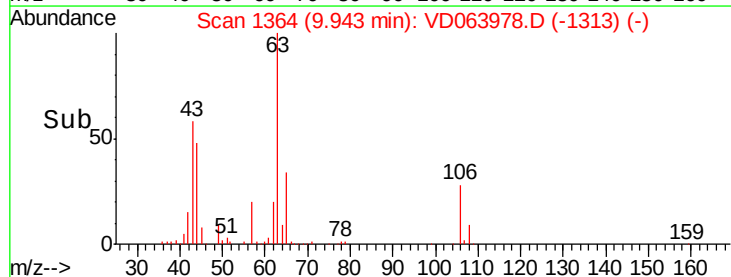
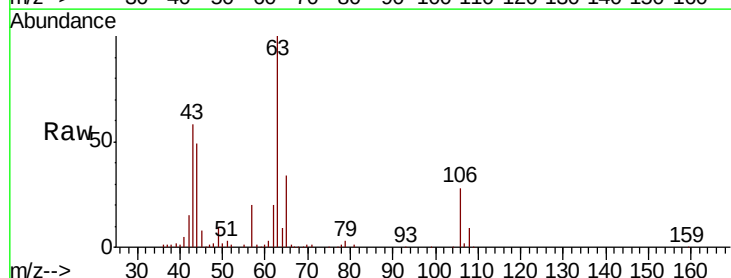
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

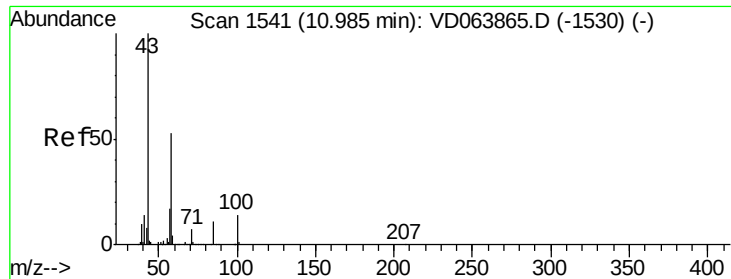
Tot Ion: 76 Resp: 133061
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.329 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 63 Resp: 226332
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.3 36.5

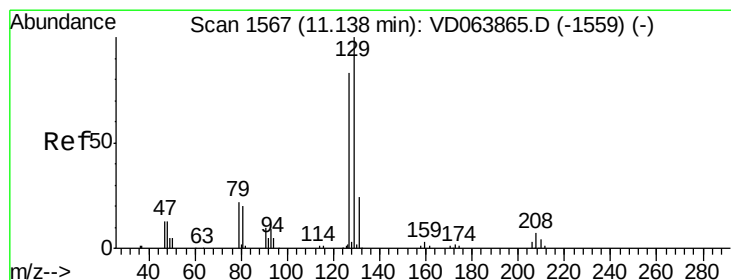
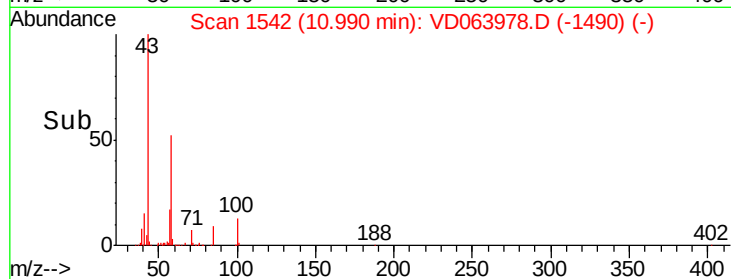
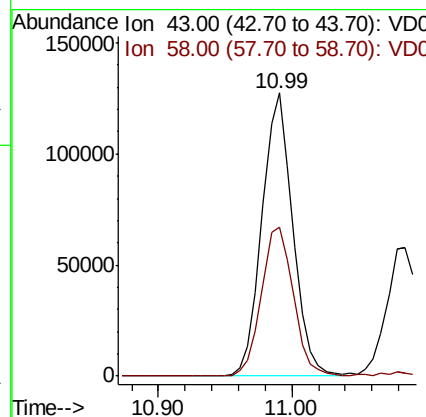
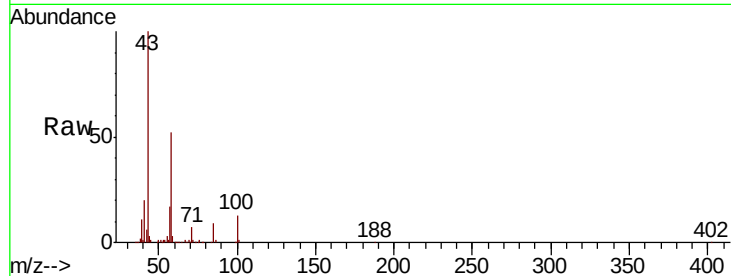




#59
2-Hexanone
Concen: 242.040 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

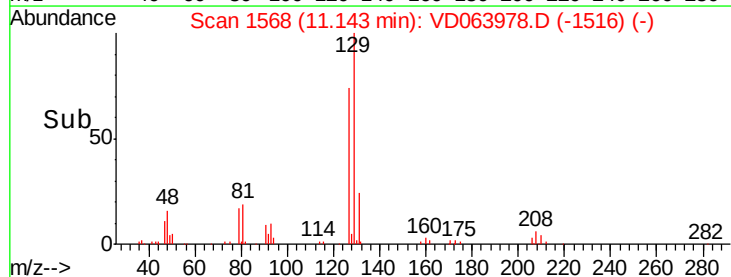
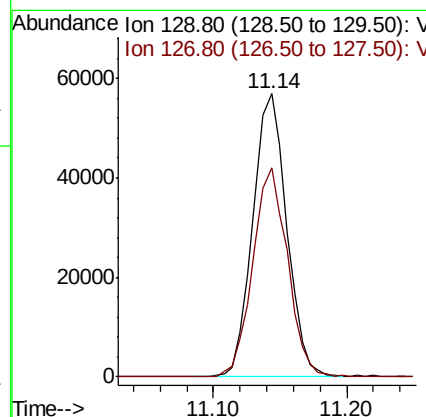
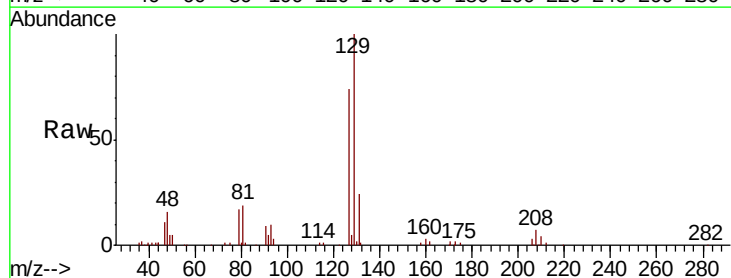
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

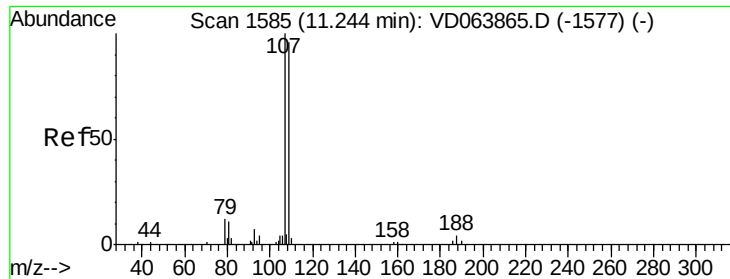
Tot Ion: 43 Resp: 203892
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.0



#60
Dibromochloromethane
Concen: 50.760 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 129 Resp: 99801
Ion Ratio Lower Upper
129 100
127 75.6 39.9 119.6

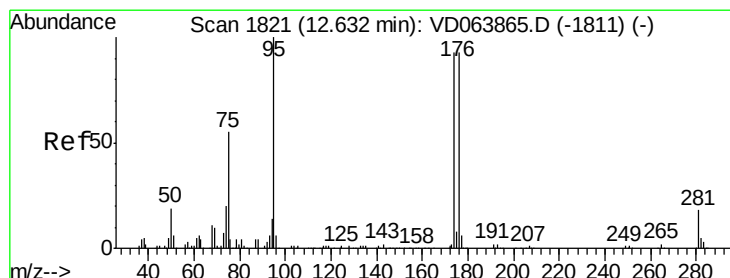
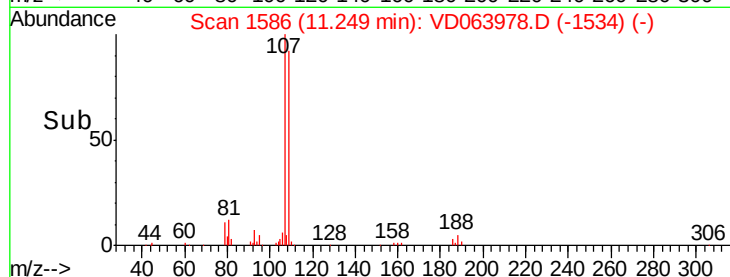
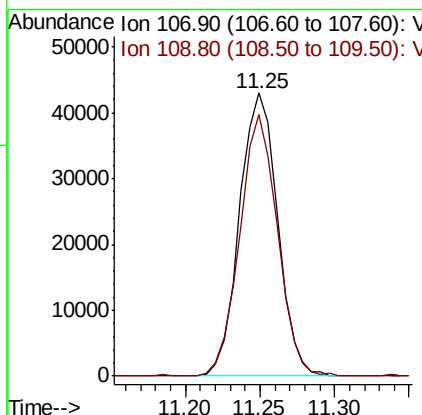
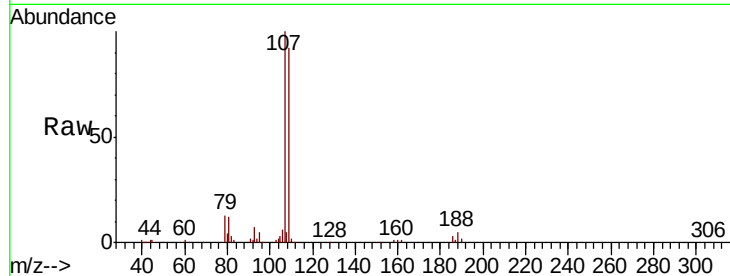




#61
 1,2-Dibromoethane
 Concen: 51.816 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

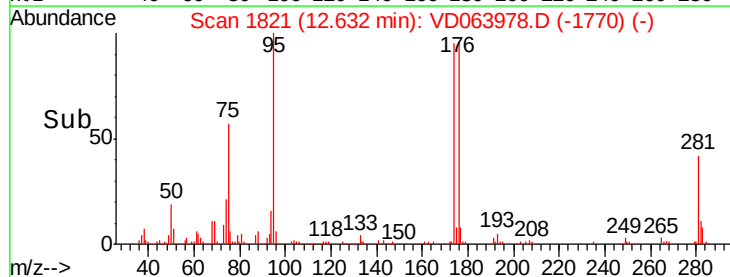
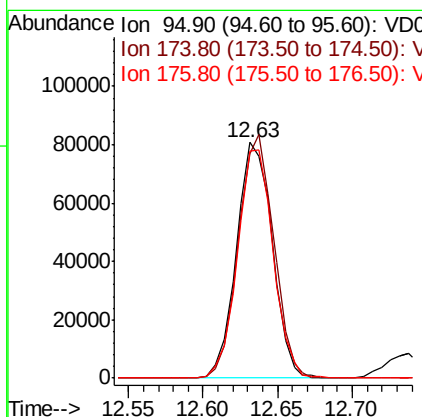
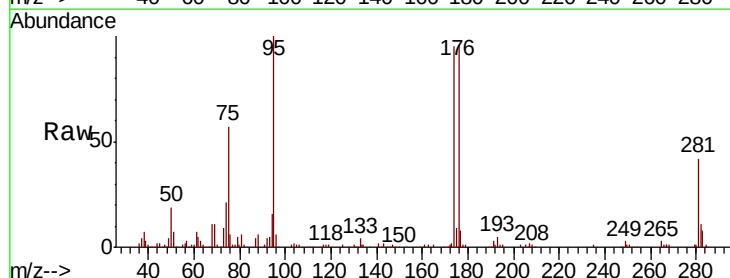
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

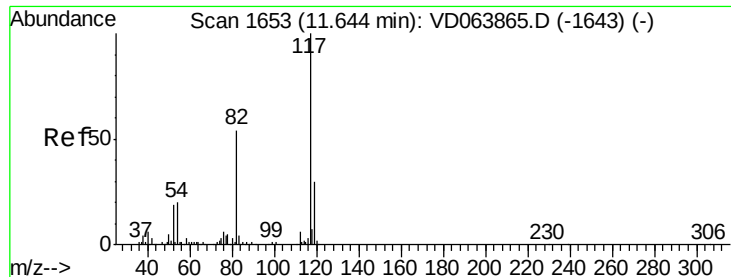
Tot Ion:107 Resp: 75862
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.208 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 95 Resp: 134306
 Ion Ratio Lower Upper
 95 100
 174 102.0 0.0 186.4
 176 96.7 0.0 184.2

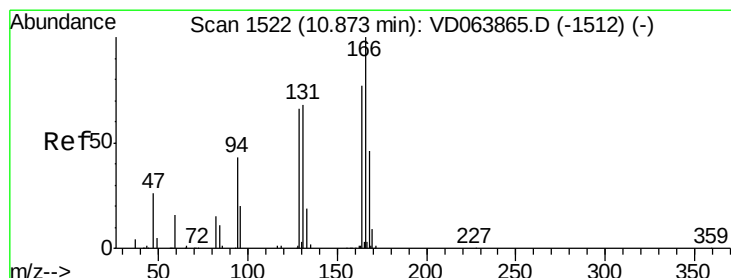
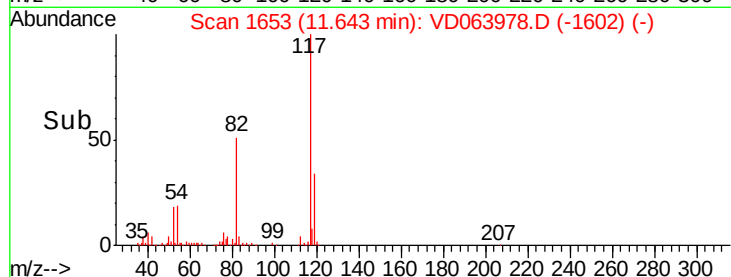
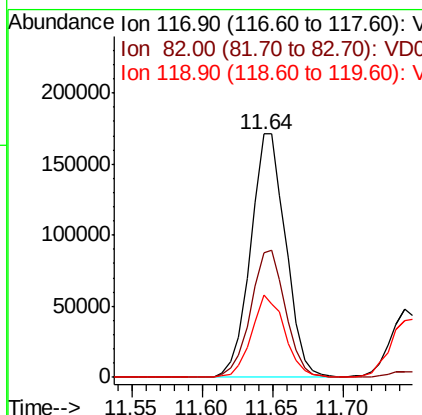
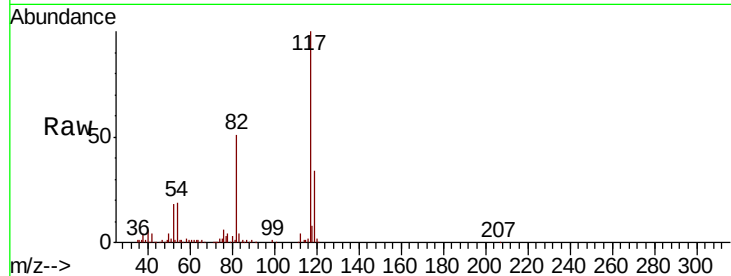




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

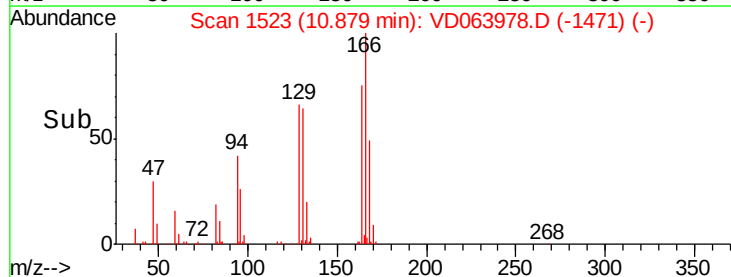
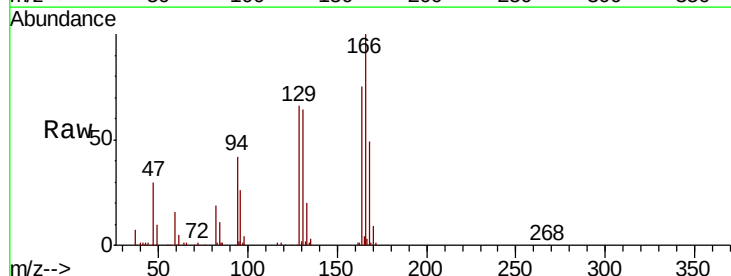
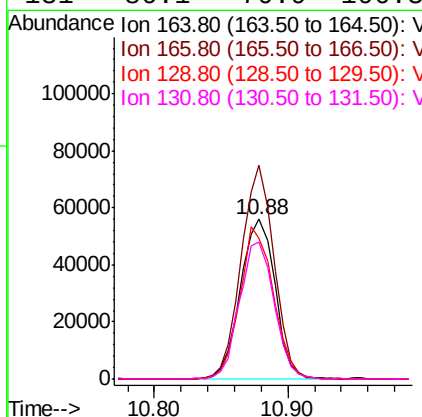
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

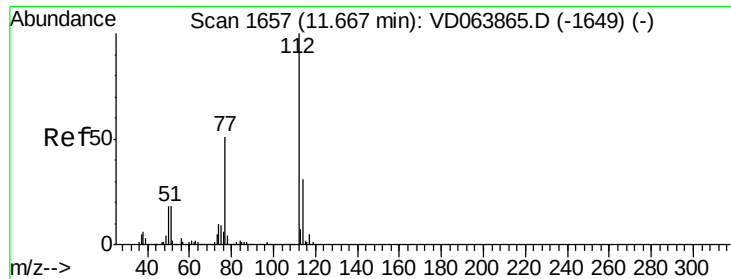
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.8	64.2
119	33.6	24.4	36.6



#64
Tetrachloroethene
Concen: 49.490 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	103.8	155.6
129	88.0	68.9	103.3
131	86.1	70.9	106.3

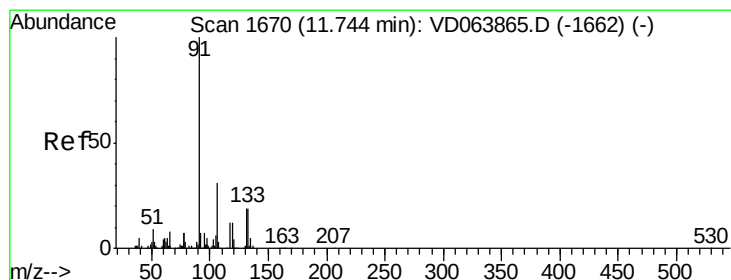
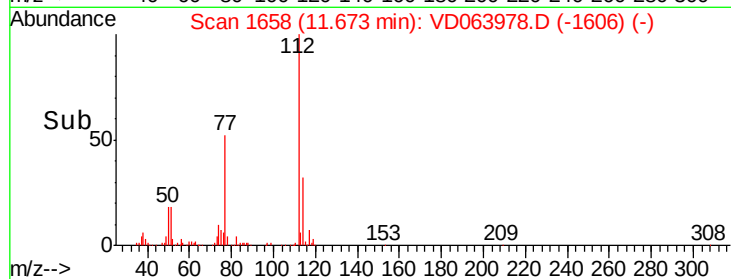
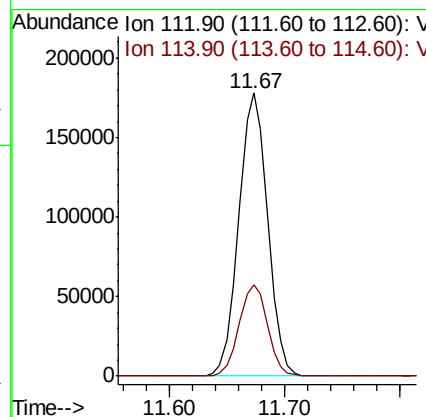
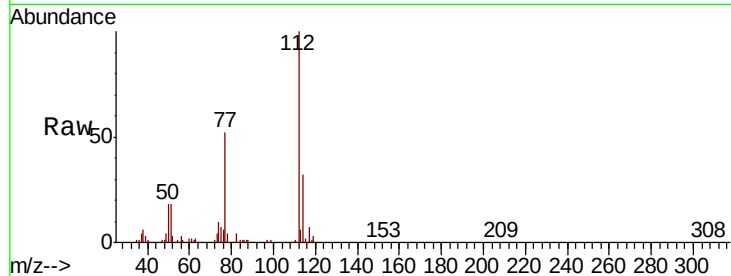




#65
Chlorobenzene
Concen: 51.267 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

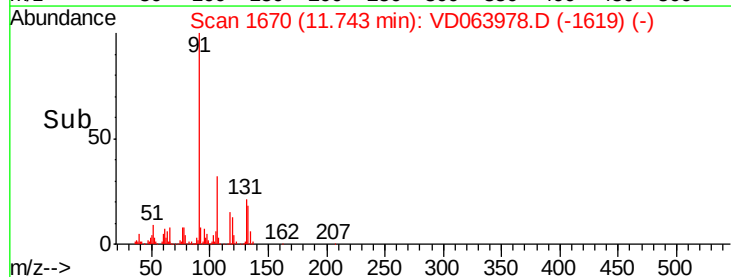
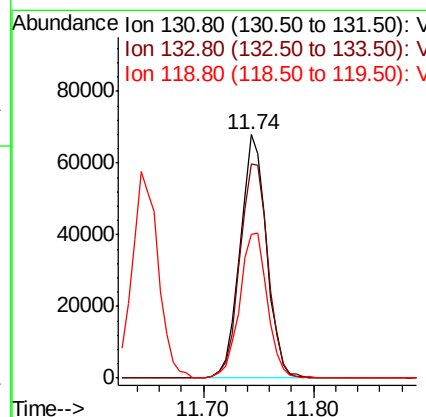
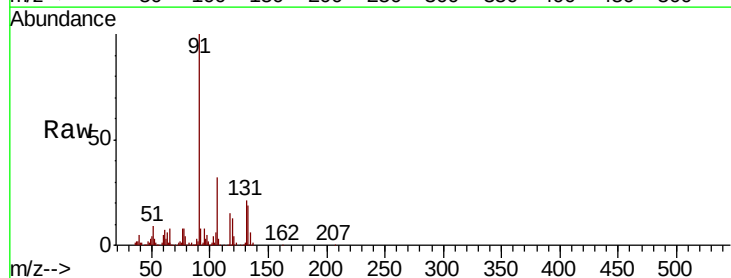
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

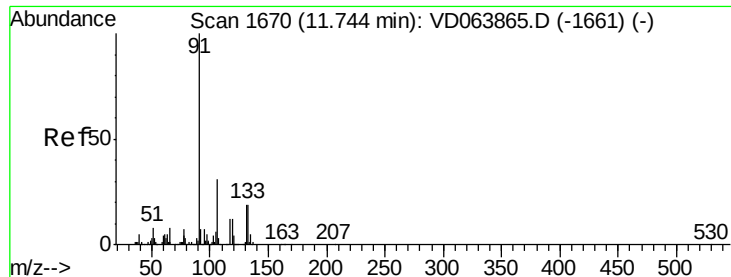
Tot Ion:112 Resp: 307984
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.678 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion:131 Resp: 114393
Ion Ratio Lower Upper
131 100
133 94.1 48.9 146.7
119 62.4 32.6 97.8





#67

Ethyl Benzene

Concen: 50.454 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

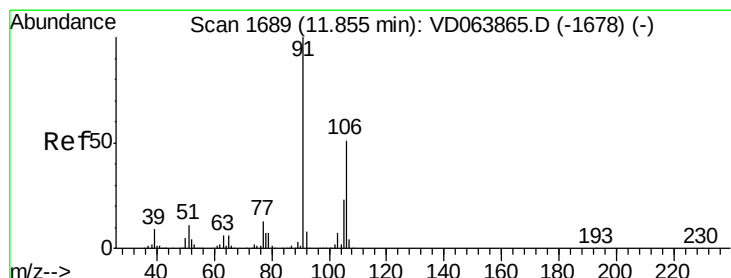
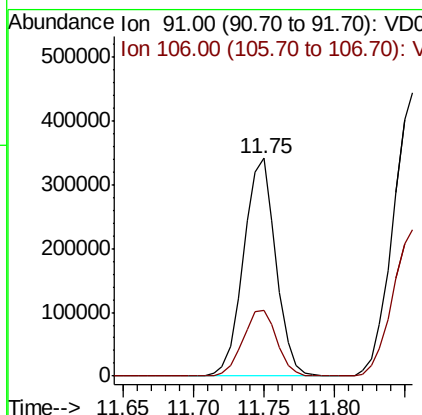
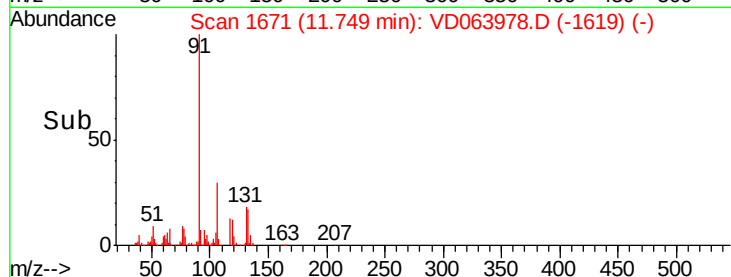
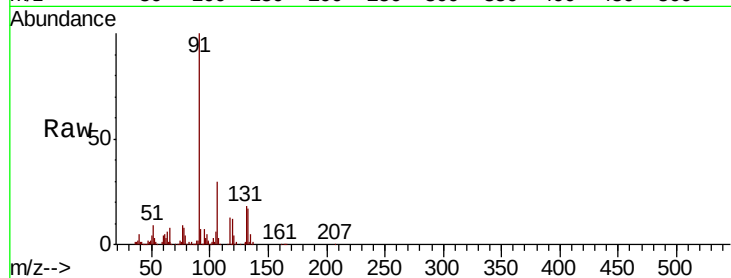
VSTDCCC050EC

Tot Ion: 91 Resp: 546535

Ion Ratio Lower Upper

91 100

106 30.5 24.6 37.0



#68

m/p-Xylenes

Concen: 105.568 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063978.D

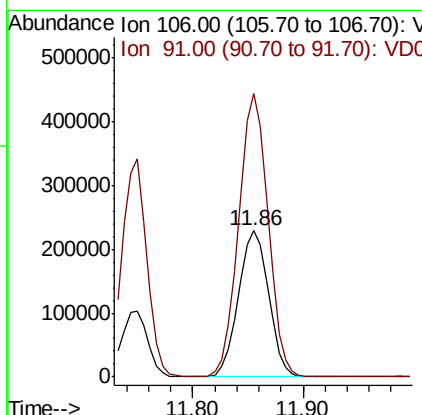
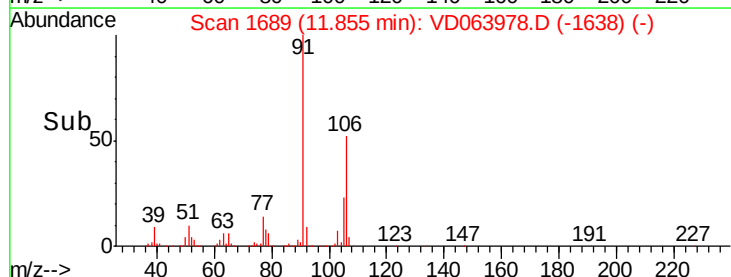
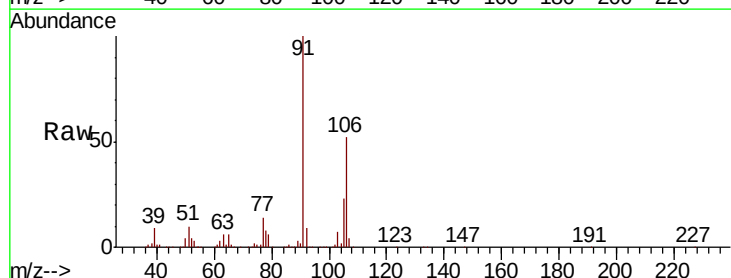
Acq: 15 Oct 2019 18:09

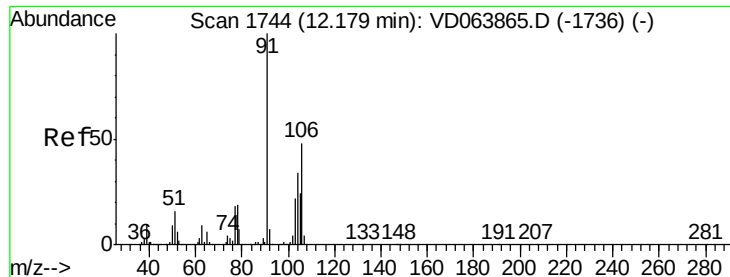
Tgt Ion: 106 Resp: 441392

Ion Ratio Lower Upper

106 100

91 189.0 154.8 232.2

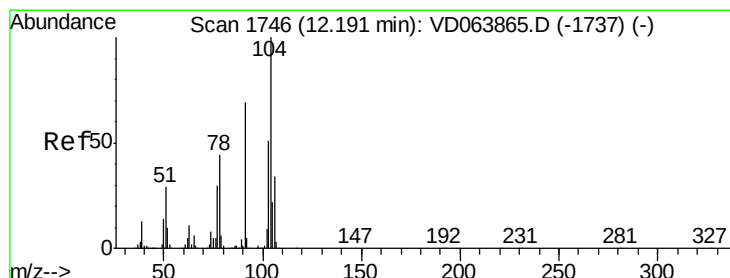
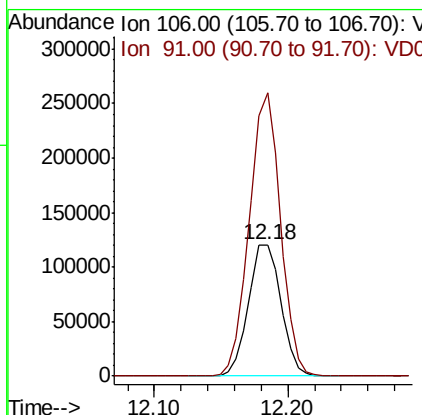
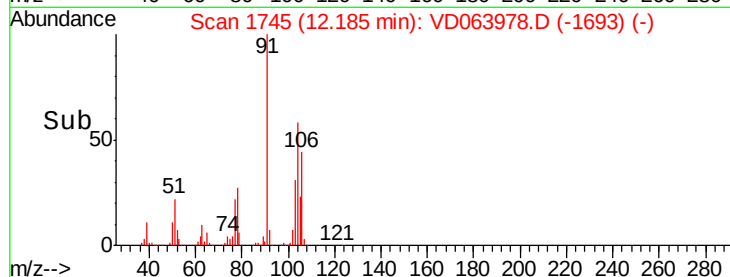
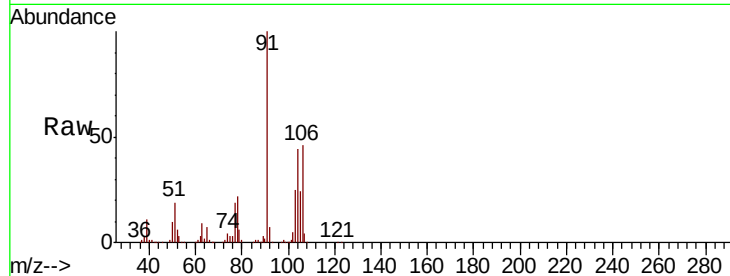




#69
o-Xylene
Concen: 50.817 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

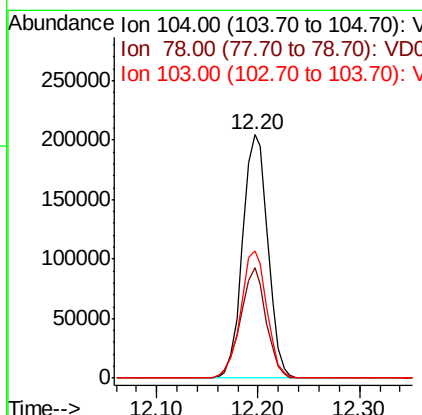
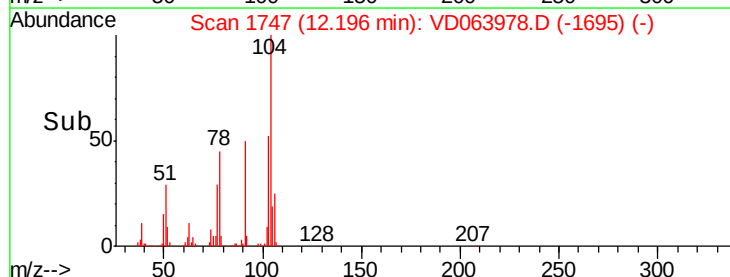
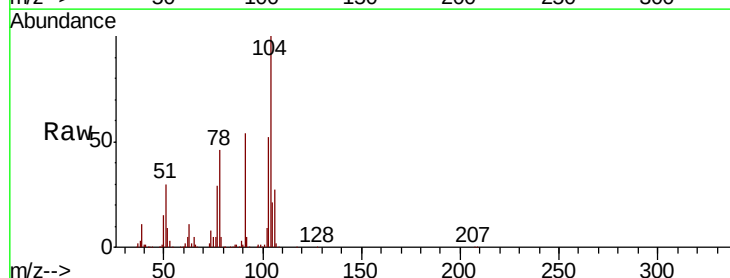
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

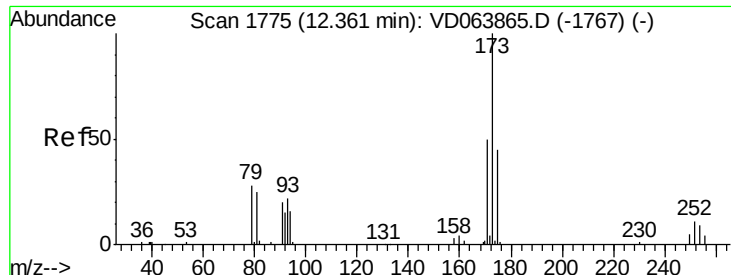
Tot Ion:106 Resp: 203451
Ion Ratio Lower Upper
106 100
91 205.3 103.9 311.7



#70
Styrene
Concen: 52.105 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion:104 Resp: 353141
Ion Ratio Lower Upper
104 100
78 45.9 37.0 55.4
103 54.2 44.2 66.4





#71

Bromoform

Concen: 52.624 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

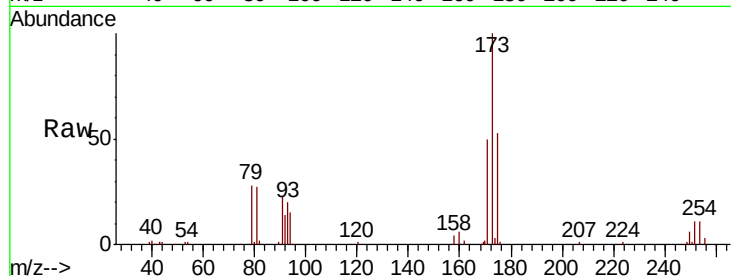
Tot Ion:173 Resp: 62516

Ion Ratio Lower Upper

173 100

175 50.9 24.6 74.0

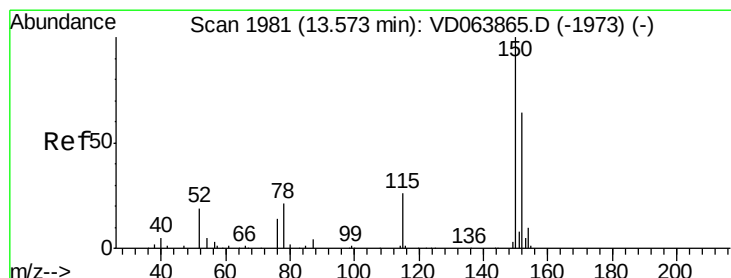
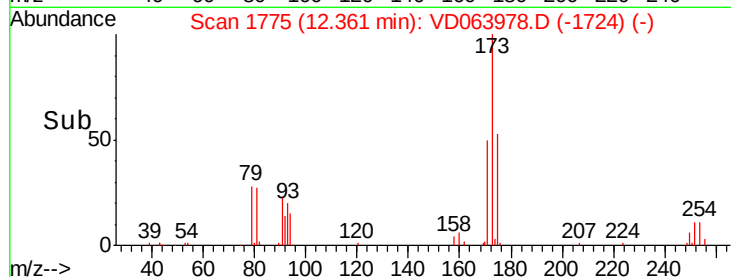
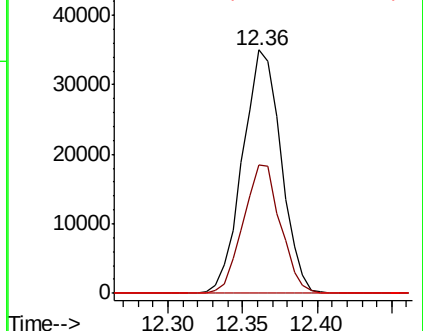
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

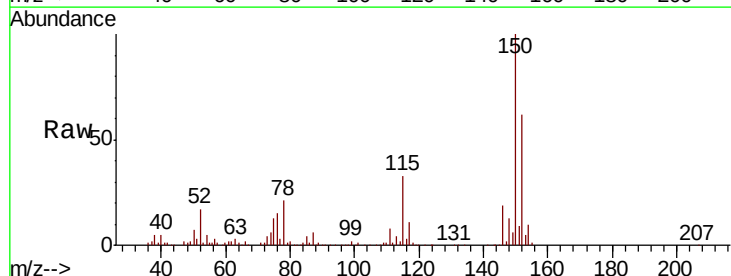
Tgt Ion:152 Resp: 168474

Ion Ratio Lower Upper

152 100

115 52.7 25.9 77.7

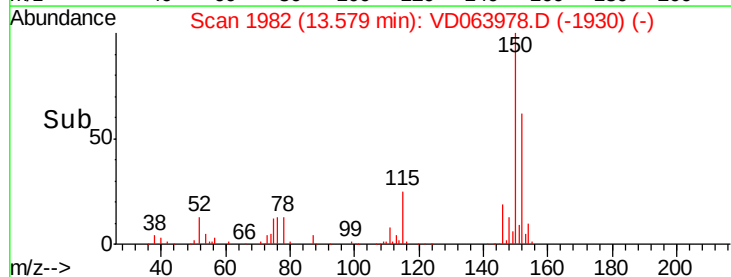
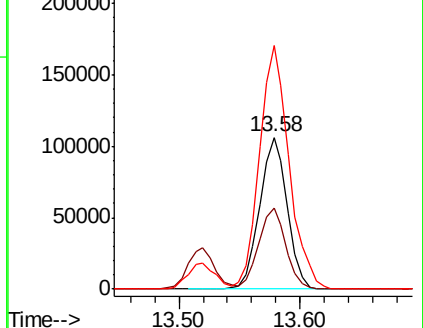
150 172.7 0.0 344.2

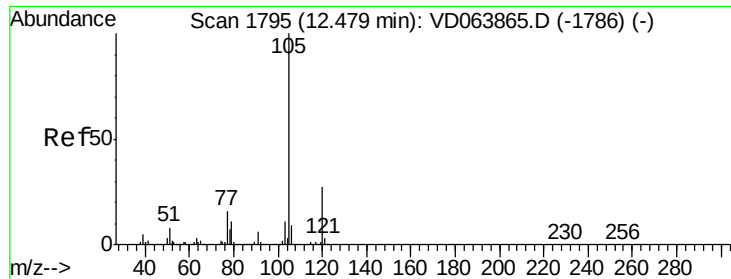


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.805 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

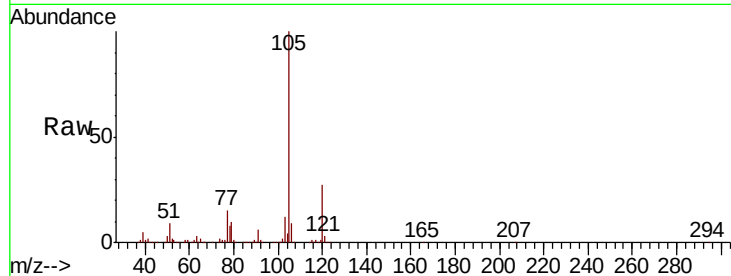
VSTDCCC050EC

Tot Ion:105 Resp: 552747

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

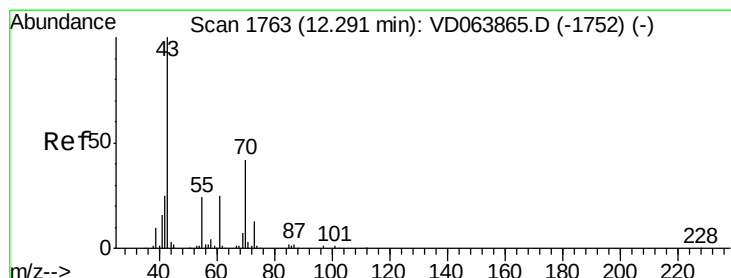
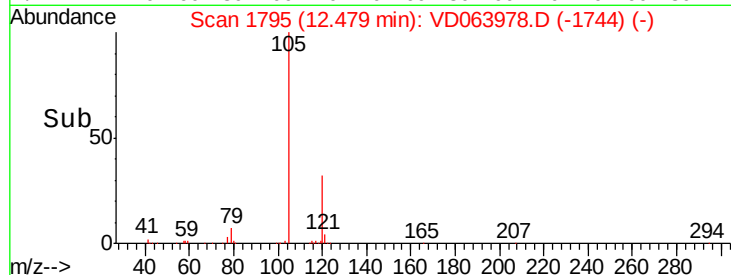
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 44.089 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion: 43 Resp: 107508

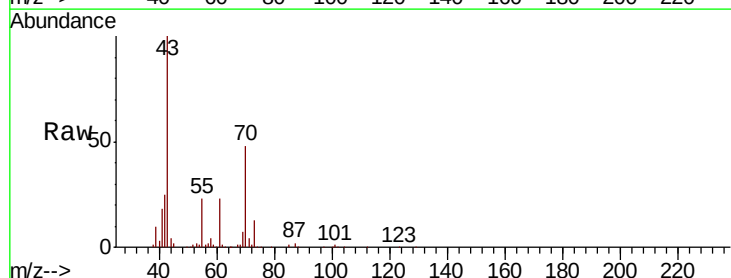
Ion Ratio Lower Upper

43 100

70 44.3 35.8 53.6

55 24.1 19.4 29.0

61 24.0 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.29

80000

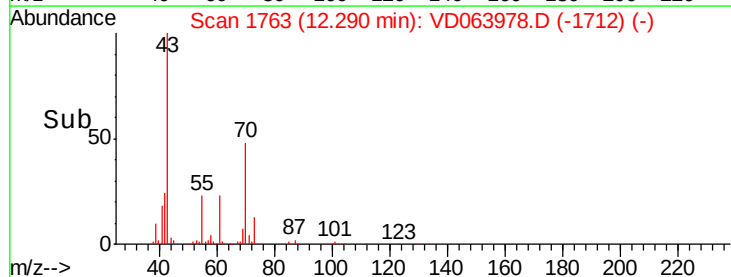
60000

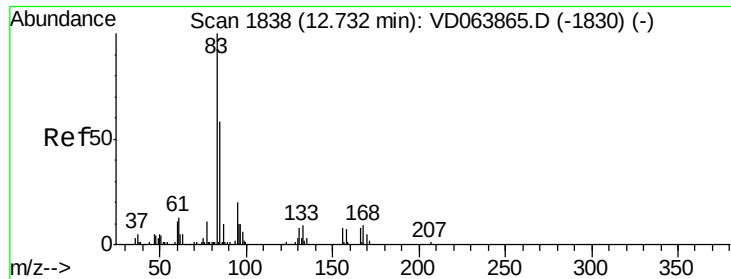
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.563 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

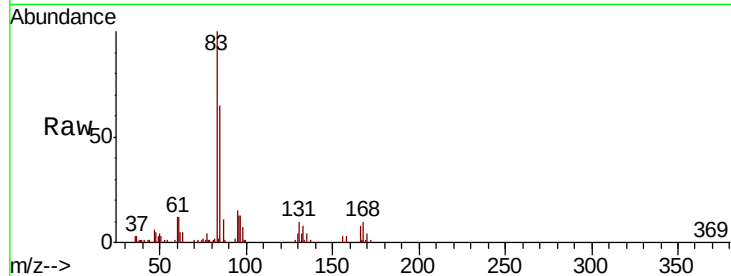
Tot Ion: 83 Resp: 91766

Ion Ratio Lower Upper

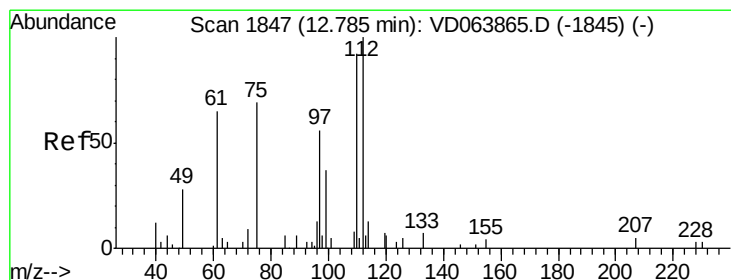
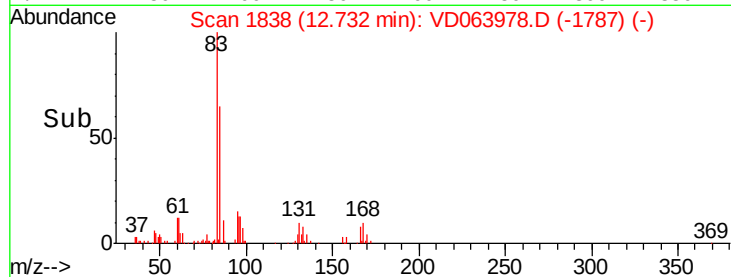
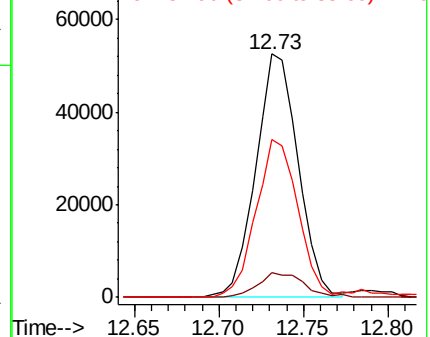
83 100

131 10.9 5.6 16.8

85 64.7 32.3 96.8



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: 99.374 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063978.D

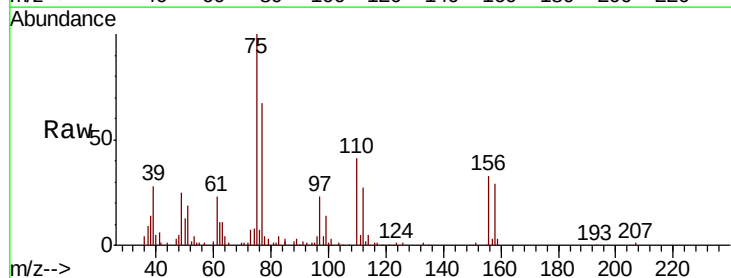
Acq: 15 Oct 2019 18:09

Tgt Ion: 75 Resp: 112133

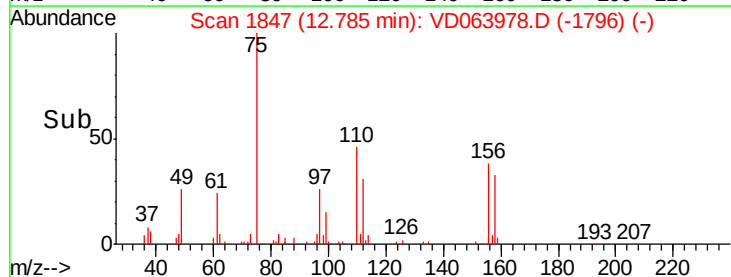
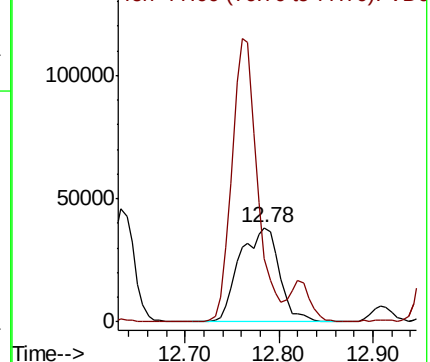
Ion Ratio Lower Upper

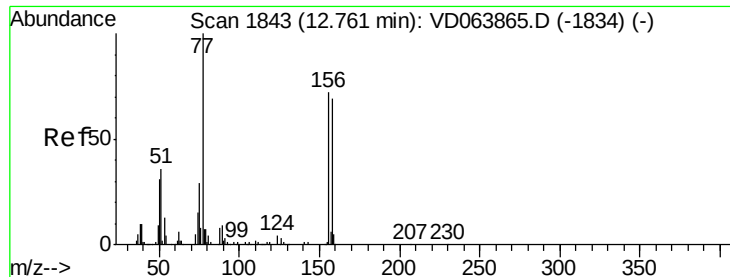
75 100

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: 48.235 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

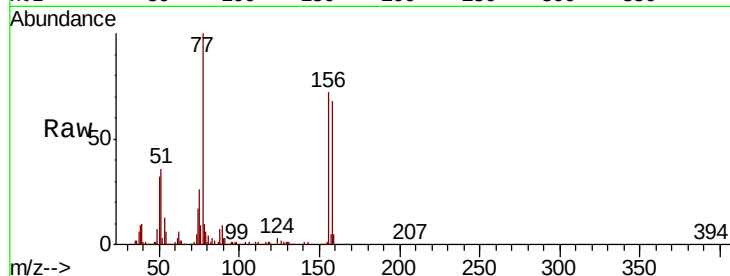
Tot Ion:156 Resp: 136104

Ion Ratio Lower Upper

156 100

77 159.1 80.3 241.0

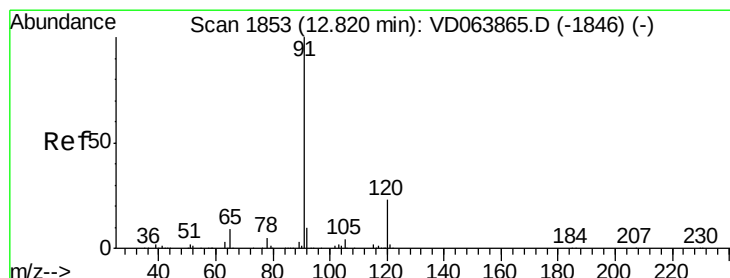
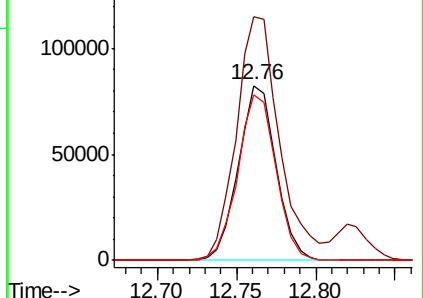
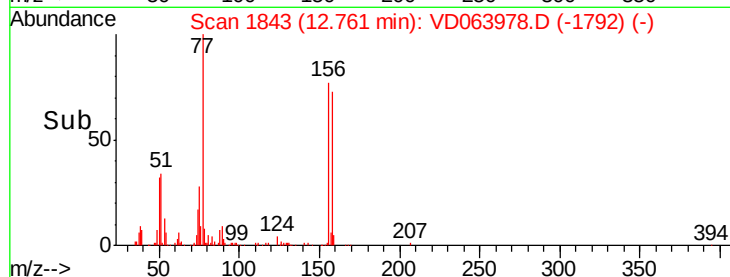
158 96.3 47.4 142.2



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: 49.198 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063978.D

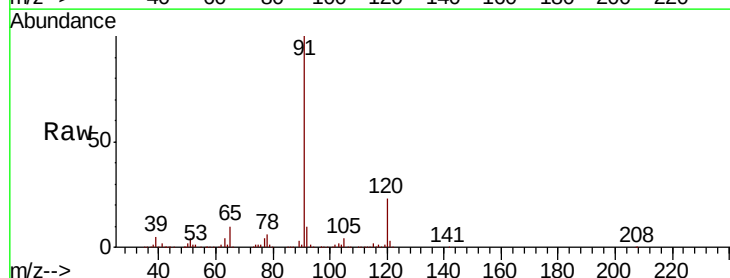
Acq: 15 Oct 2019 18:09

Tgt Ion: 91 Resp: 654030

Ion Ratio Lower Upper

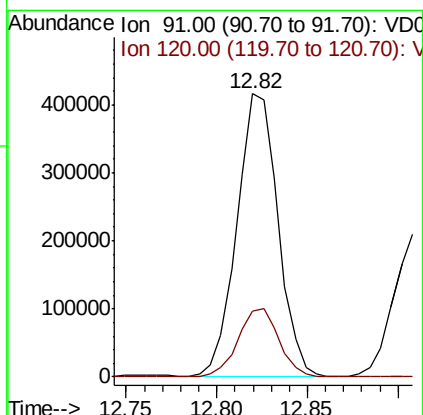
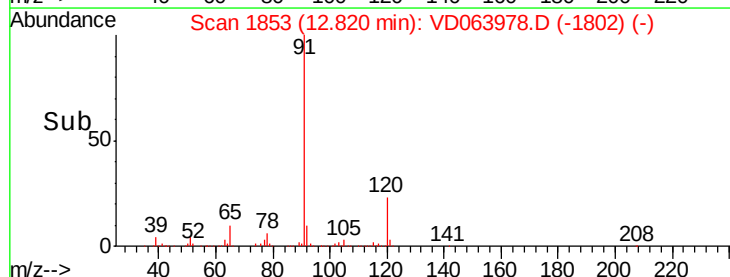
91 100

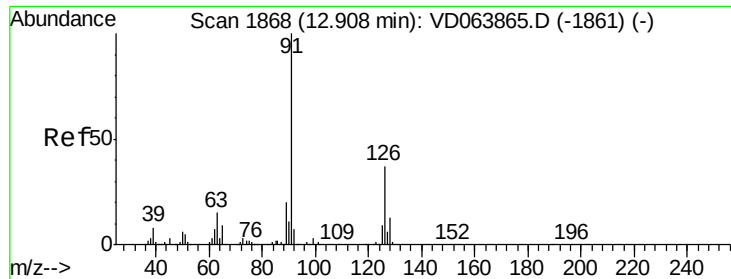
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.458 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

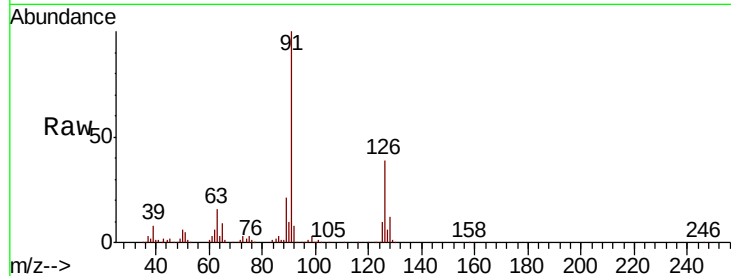
VSTDCCC050EC

Tot Ion: 91 Resp: 347879

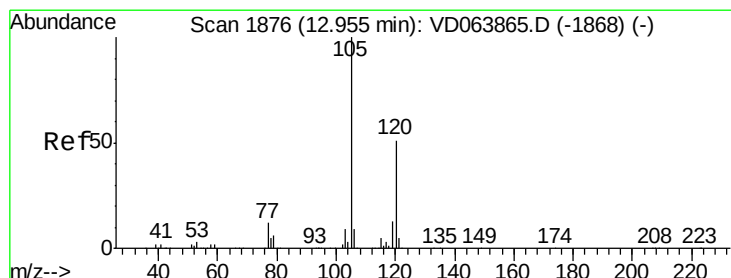
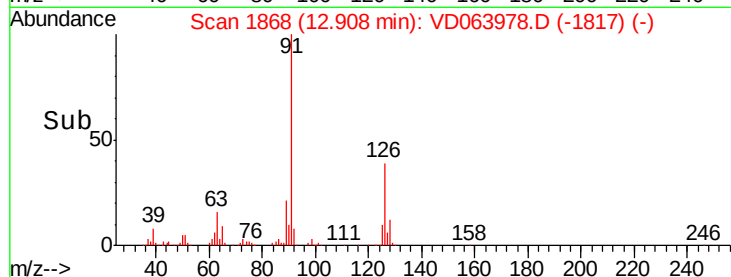
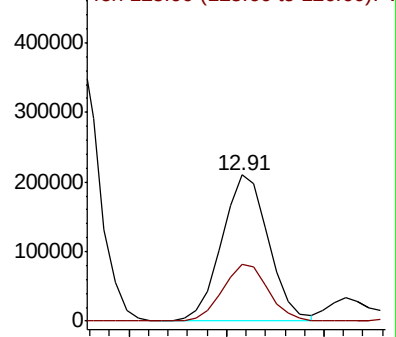
Ion Ratio Lower Upper

91 100

126 38.1 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 49.466 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063978.D

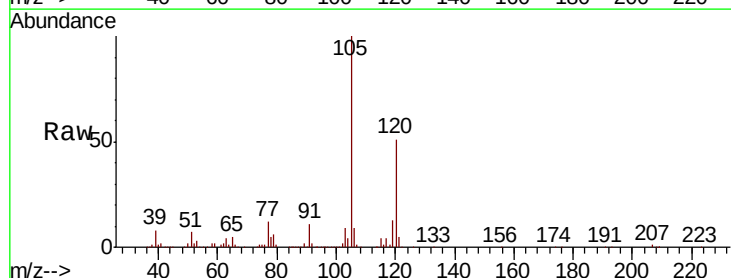
Acq: 15 Oct 2019 18:09

Tgt Ion: 105 Resp: 467392

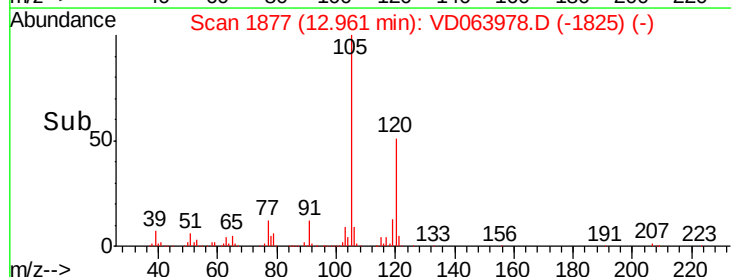
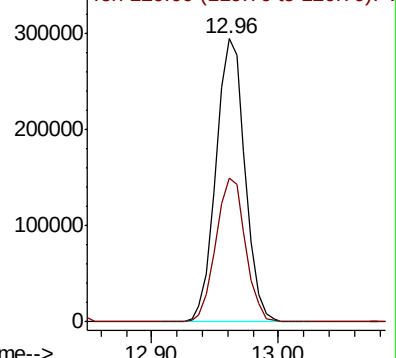
Ion Ratio Lower Upper

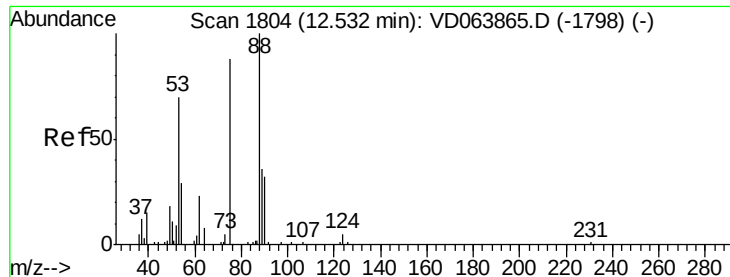
105 100

120 51.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

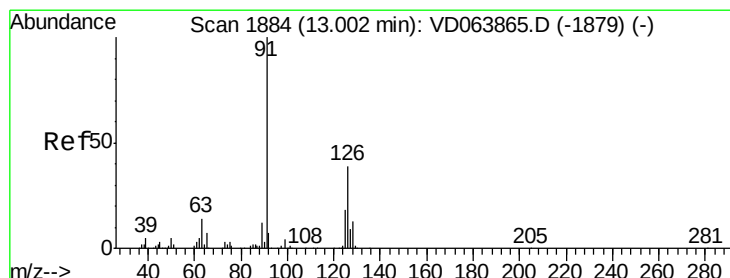
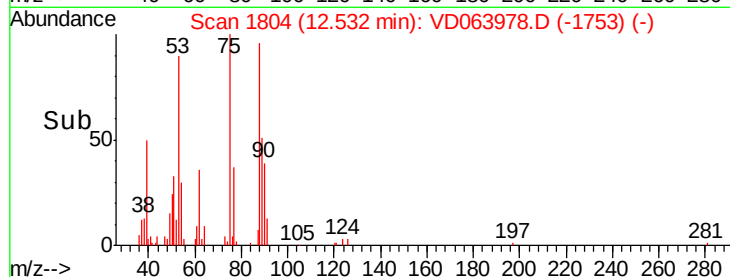
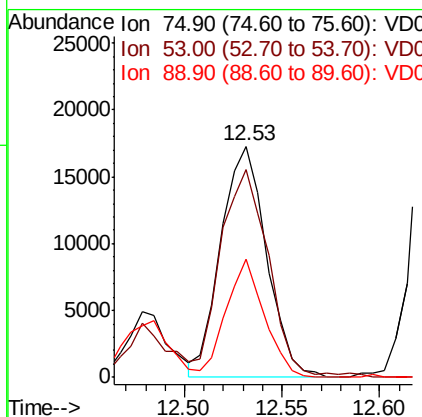
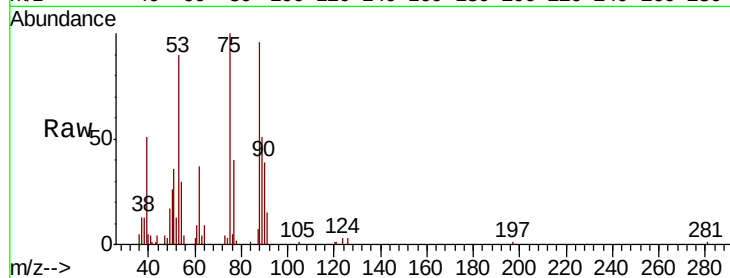




#81
trans-1,4-Dichloro-2-butene
Concen: 43.878 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

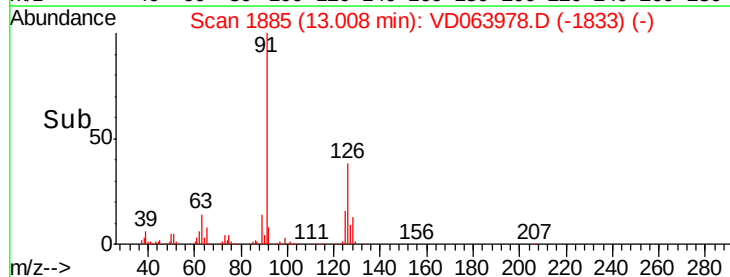
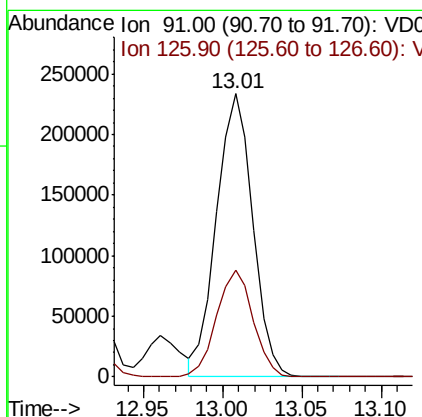
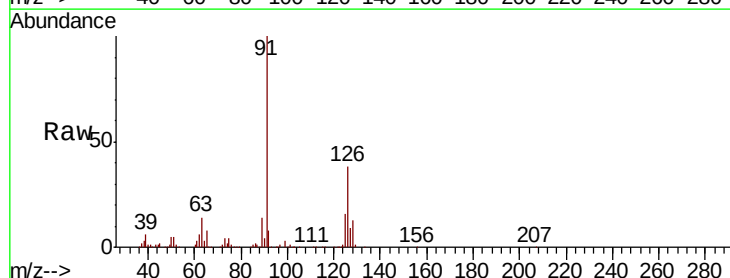
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

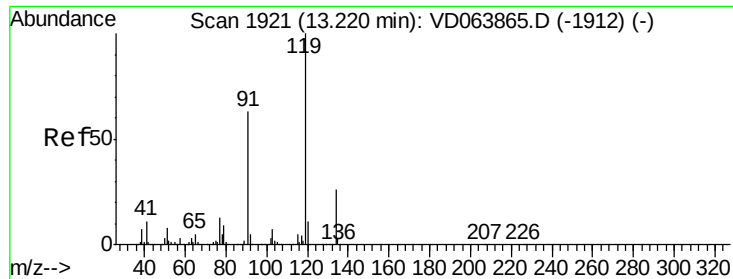
Tot Ion: 75 Resp: 27979
Ion Ratio Lower Upper
75 100
53 95.4 75.0 112.6
89 42.6 38.2 57.4



#82
4-Chlorotoluene
Concen: 47.759 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 91 Resp: 371371
Ion Ratio Lower Upper
91 100
126 38.0 18.6 55.8

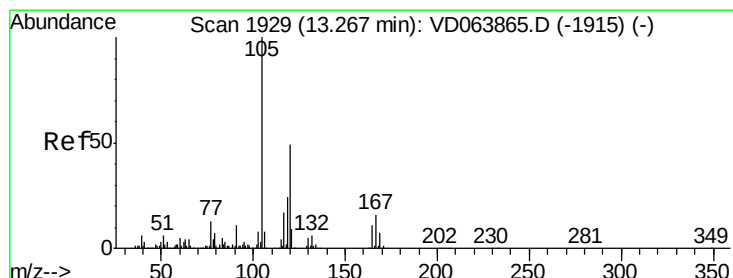
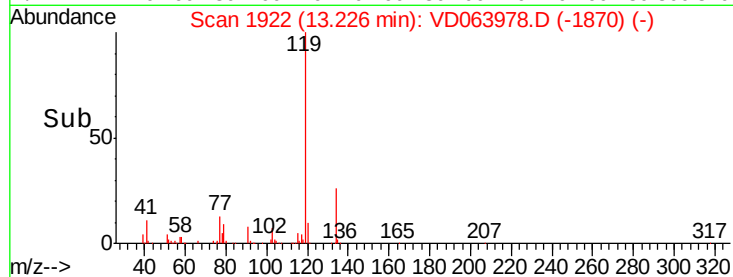
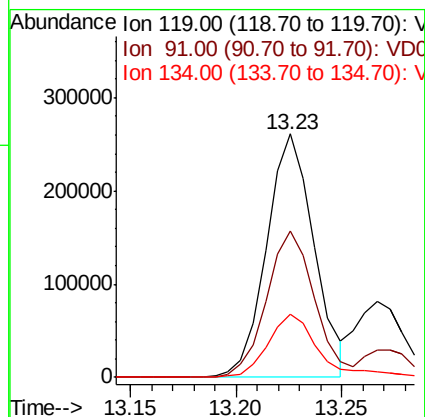
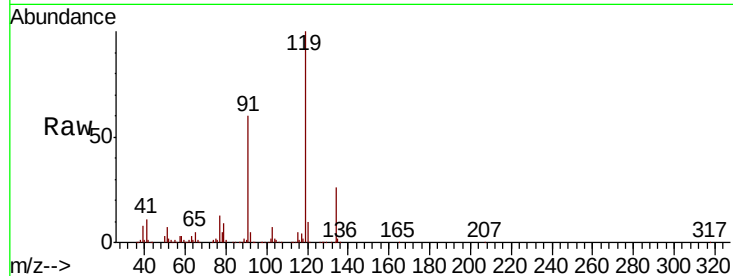




#83
 tert-Butylbenzene
 Concen: 48.527 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

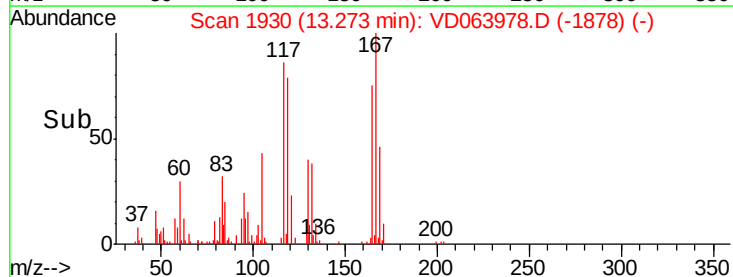
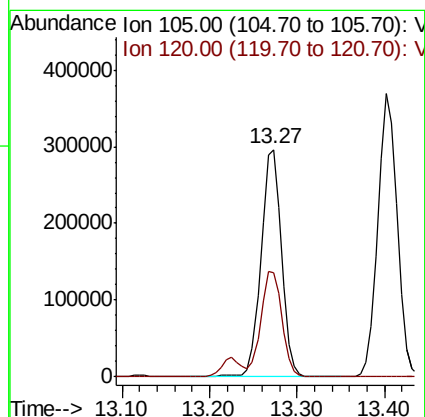
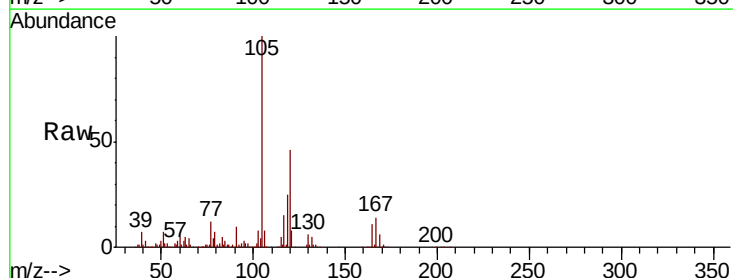
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

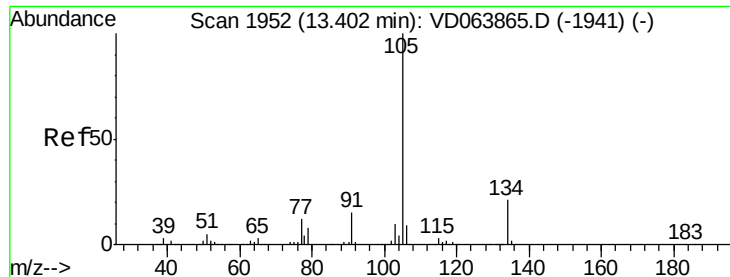
Tot Ion:119 Resp: 408067
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.0 90.0
 134 28.0 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.085 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion:105 Resp: 478136
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.8 71.5





#85

sec-Butylbenzene

Concen: 50.236 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

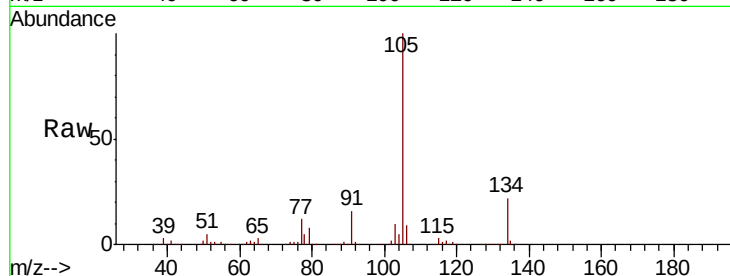
VSTDCCC050EC

Tot Ion:105 Resp: 570495

Ion Ratio Lower Upper

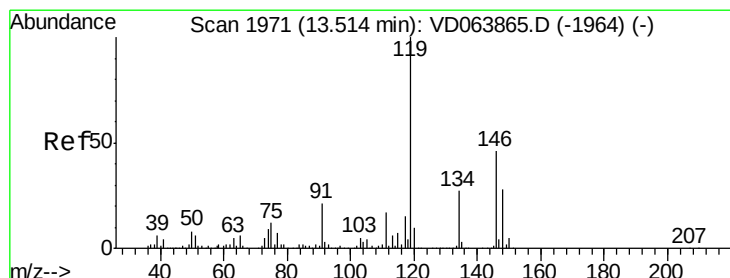
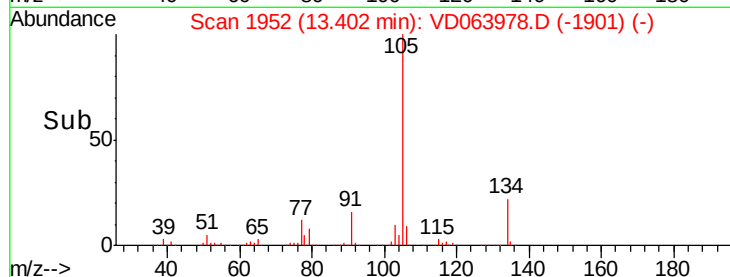
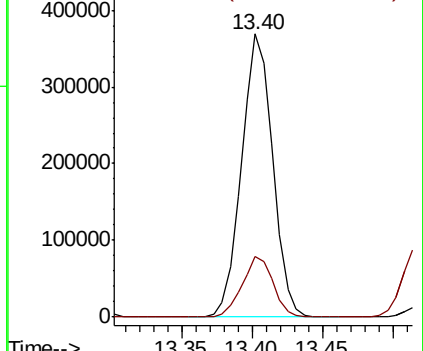
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.090 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

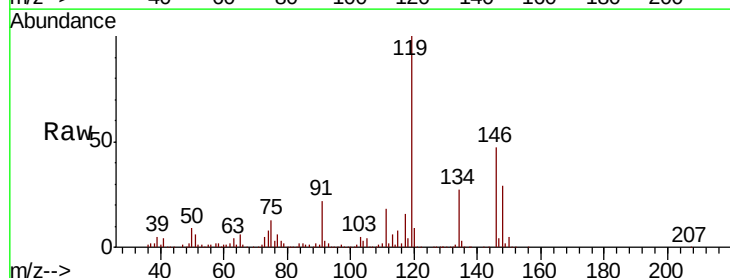
Tgt Ion:119 Resp: 549014

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.6

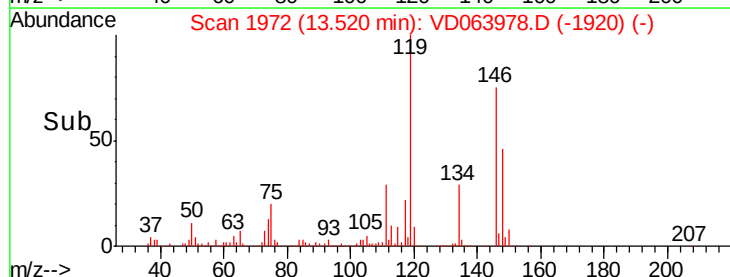
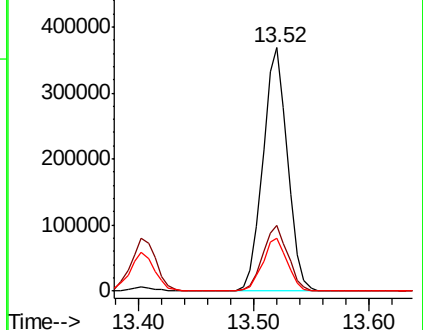
91 21.9 11.2 33.5

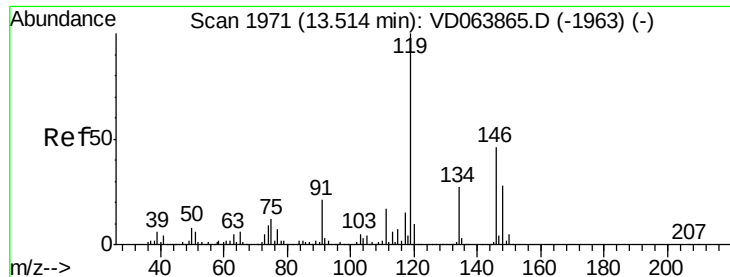


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

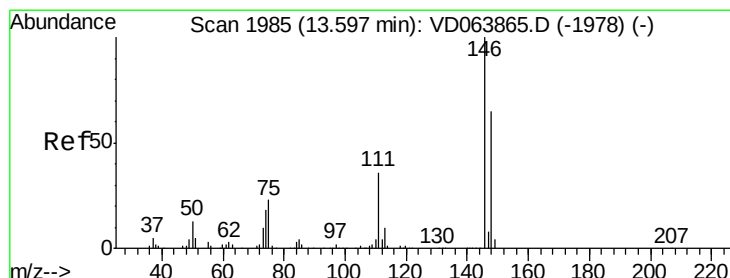
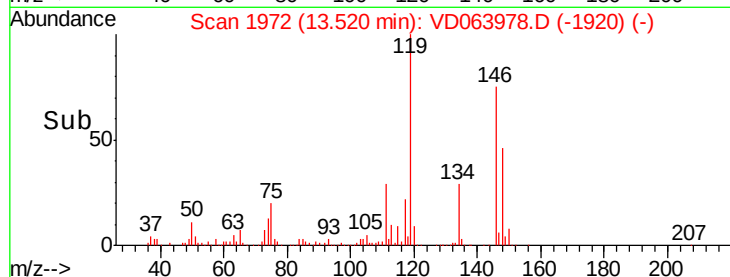
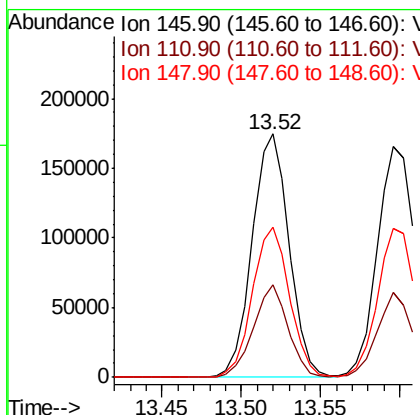
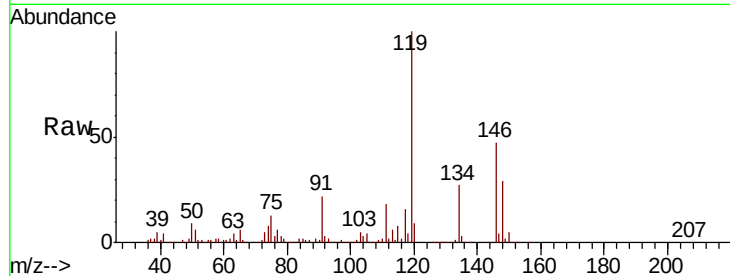




#87
 1,3-Dichlorobenzene
 Concen: 50.800 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

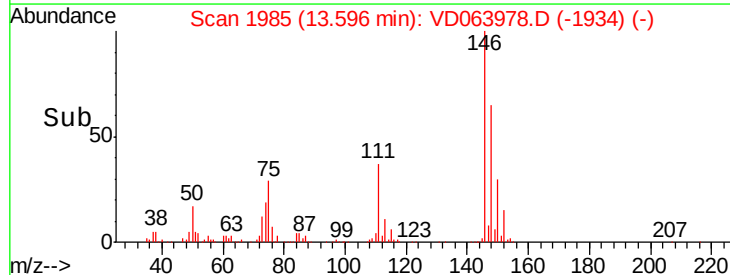
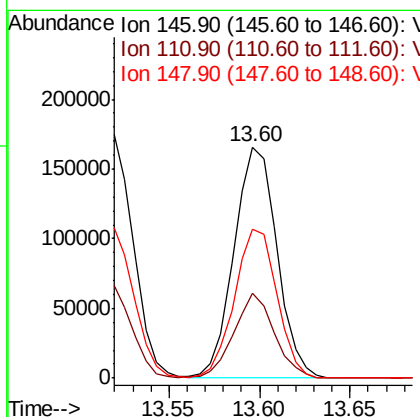
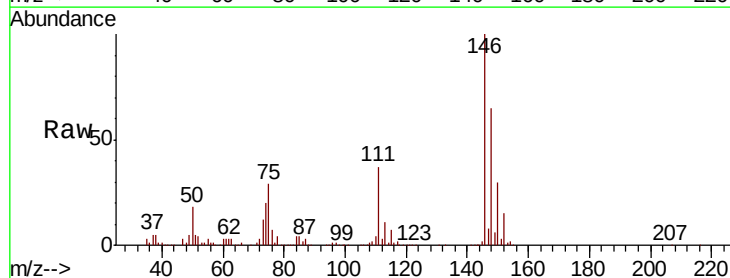
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

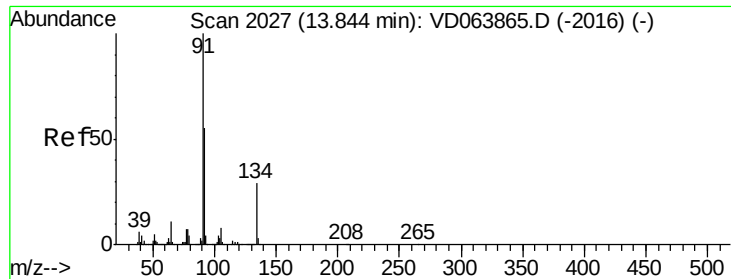
Tot Ion:146 Resp: 283229
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.3 54.9
 148 62.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.752 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion:146 Resp: 273653
 Ion Ratio Lower Upper
 146 100
 111 34.6 18.6 56.0
 148 63.8 32.6 98.0

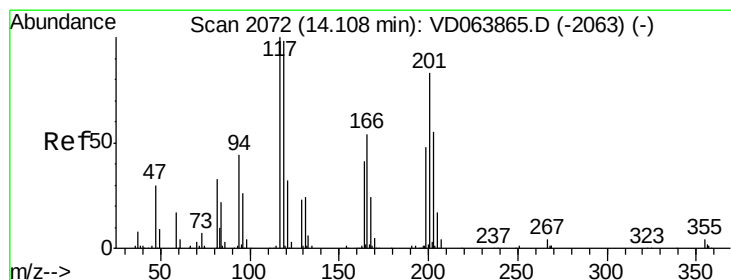
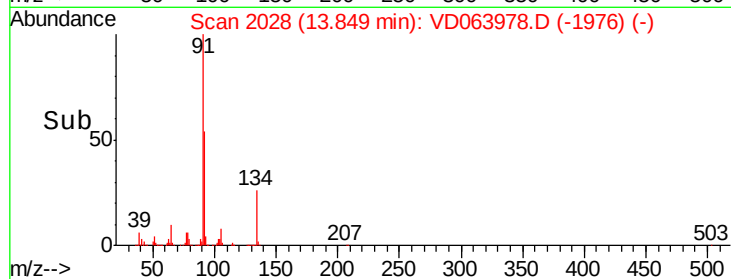
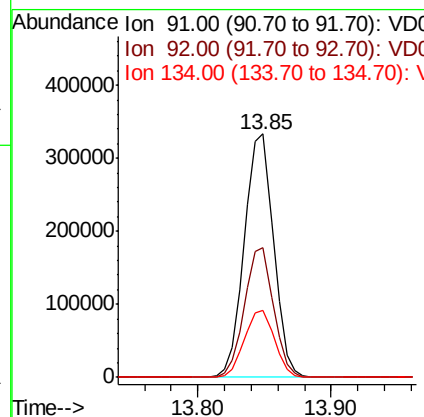
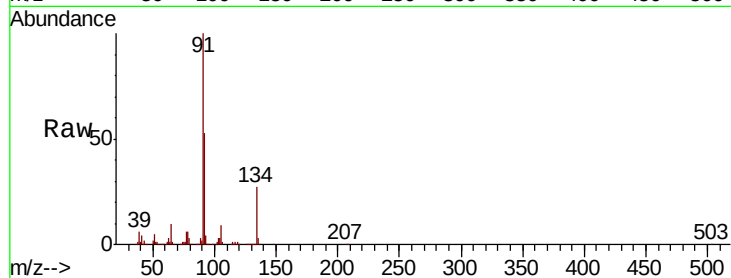




#89
n-Butylbenzene
Concen: 50.366 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

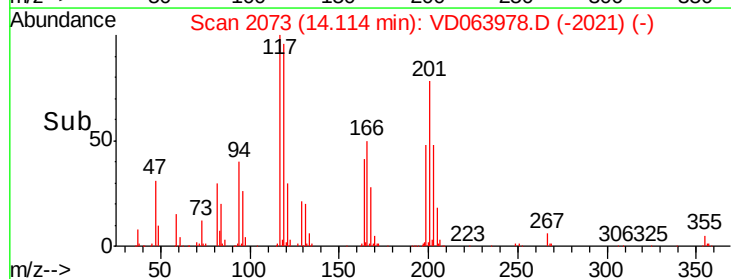
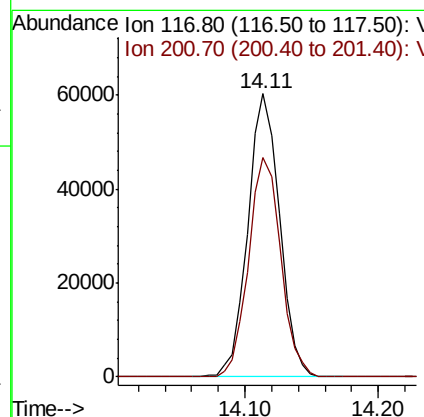
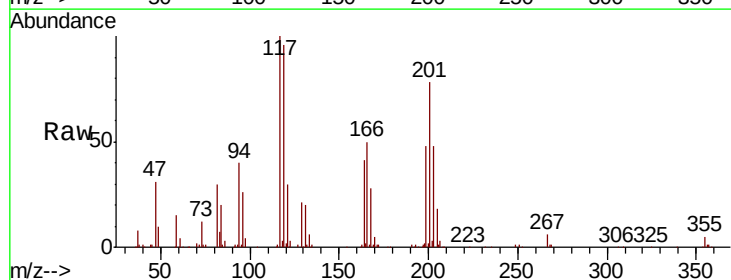
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

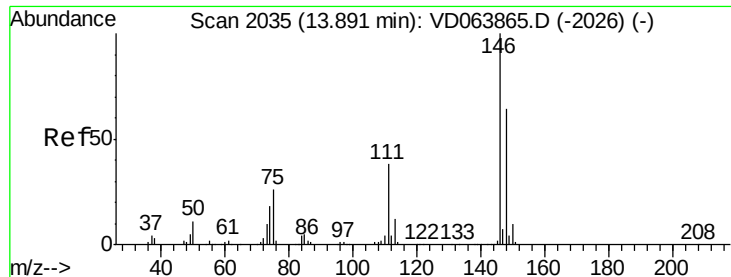
Tot Ion: 91 Resp: 503802
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.3
134 28.3 14.4 43.0



#90
Hexachloroethane
Concen: 51.129 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 117 Resp: 98820
Ion Ratio Lower Upper
117 100
201 78.5 40.6 121.7

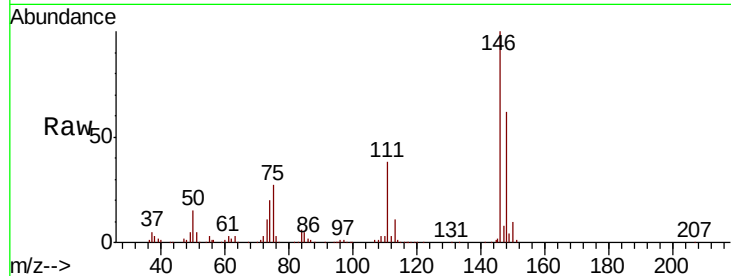




#91
 1,2-Dichlorobenzene
 Concen: 49.130 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	65.0	31.6	95.0

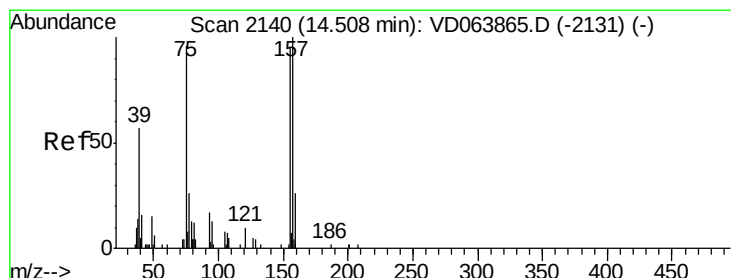
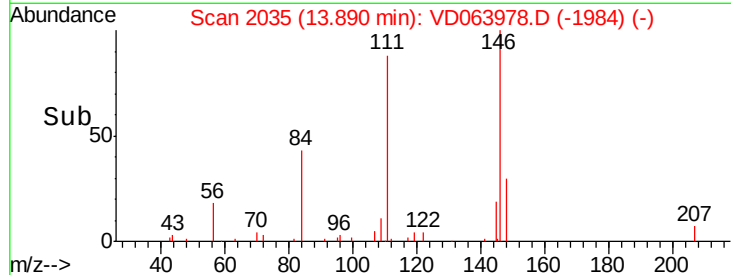
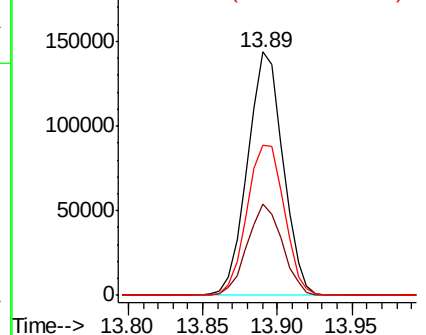


Abundance

Ion 145.90 (145.60 to 146.60): V

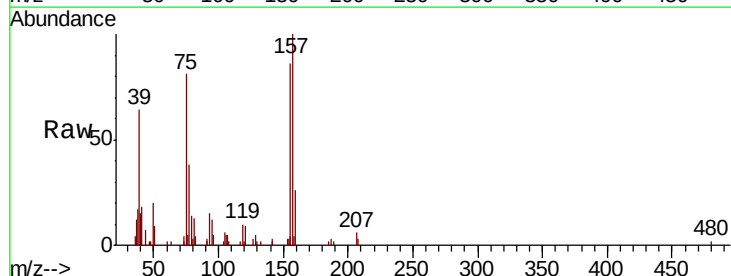
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.459 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.3	43.9	131.6
157	128.9	56.0	167.9

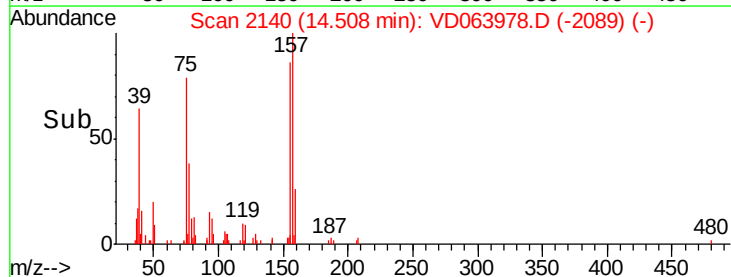
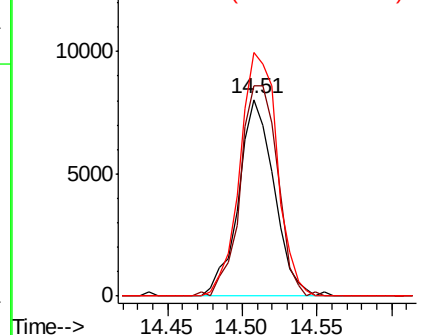


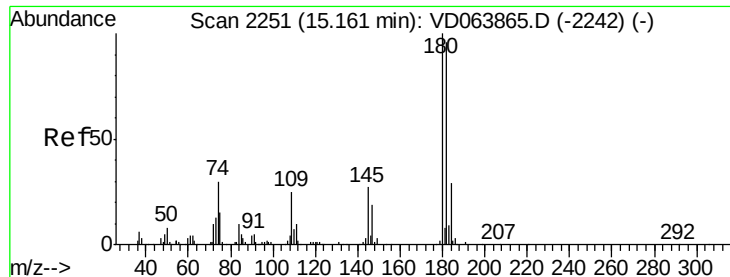
Abundance

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

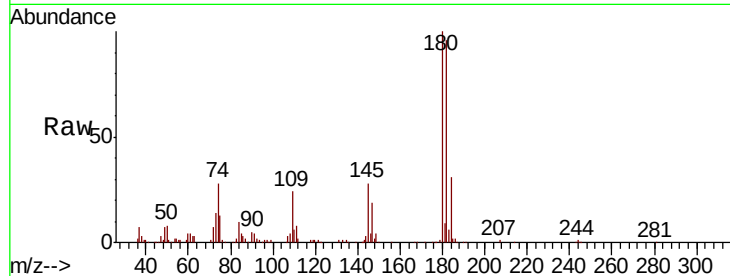




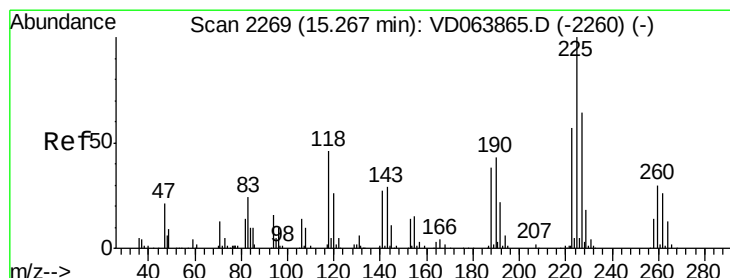
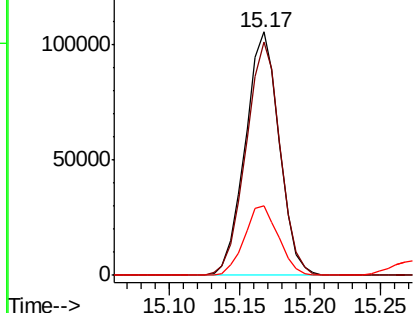
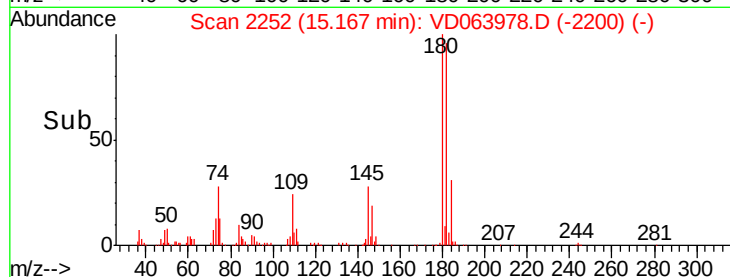
#93
 1,2,4-Trichlorobenzene
 Concen: 48.007 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.3
145	28.9	13.9	41.7

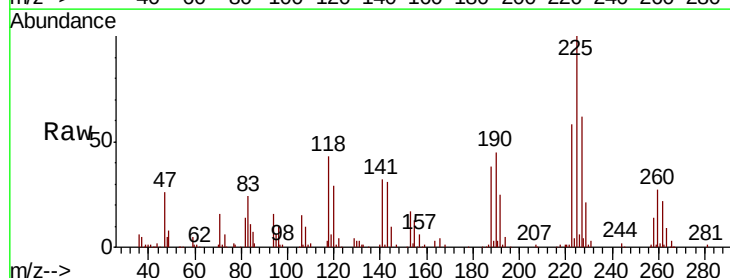


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

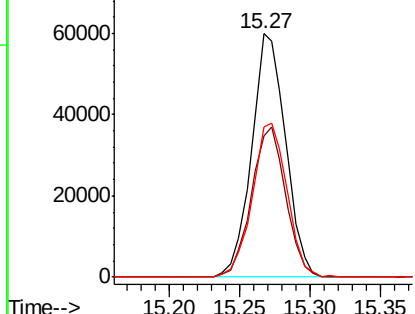
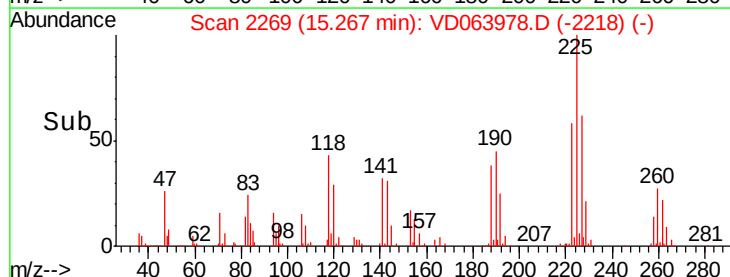


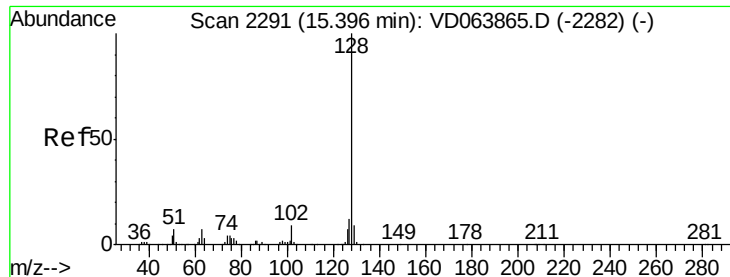
#94
 Hexachlorobutadiene
 Concen: 49.410 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	29.5	88.6
227	64.5	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.109 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

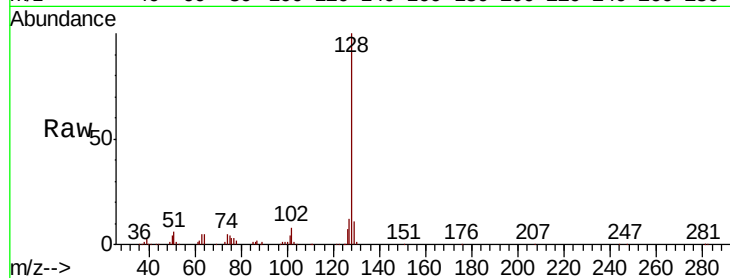
Tot Ion:128 Resp: 306013

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

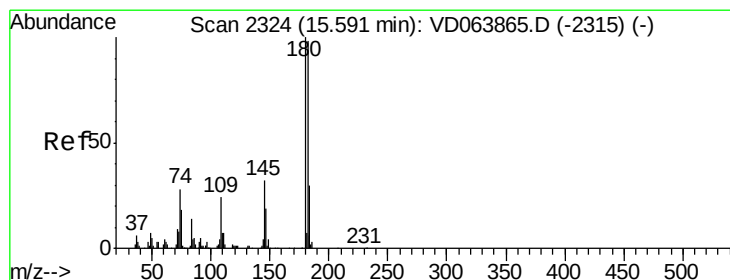
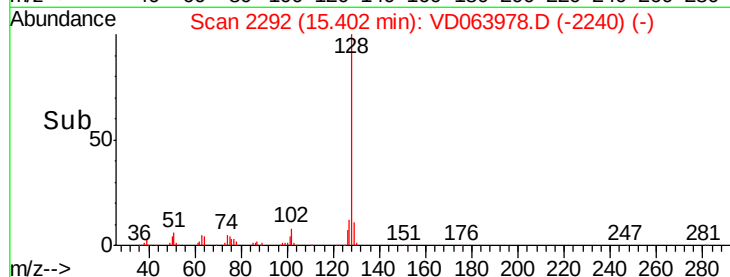
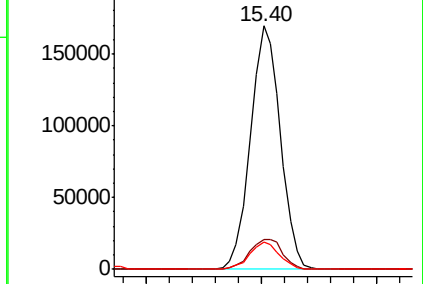
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.060 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

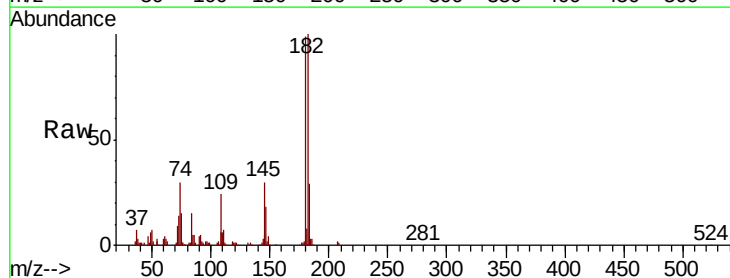
Tgt Ion:180 Resp: 153729

Ion Ratio Lower Upper

180 100

182 97.0 47.0 141.0

145 30.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

