

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064708.D
 Acq On : 02 Jan 2020 10:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 03 00:21:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	686479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200217	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.91	113	202963	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.34	98	782961	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.64	95	250711	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159878	42.757	ug/l	99
3) Chloromethane	2.21	50	224756	42.978	ug/l	100
4) Vinyl Chloride	2.35	62	277657	43.545	ug/l	98
5) Bromomethane	2.77	94	195631	42.197	ug/l	94
6) Chloroethane	2.93	64	186137	43.567	ug/l	98
7) Trichlorofluoromethane	3.27	101	467055	43.503	ug/l	98
8) Diethyl Ether	3.70	74	93112	43.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	201225	45.257	ug/l	99
10) Methyl Iodide	4.29	142	232998	48.785	ug/l	98
11) Tert butyl alcohol	5.25	59	58666	241.272	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	192458	45.465	ug/l	98
13) Acrolein	3.92	56	93221	275.094	ug/l	99
14) Allyl chloride	4.71	41	310995	47.121	ug/l	99
15) Acrylonitrile	5.43	53	190286	214.277	ug/l	99
16) Acetone	4.16	43	246551	279.568	ug/l	96
17) Carbon Disulfide	4.40	76	594556	43.438	ug/l	99
18) Methyl Acetate	4.71	43	97437	40.792	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	428720	45.597	ug/l	98
20) Methylene Chloride	4.96	84	201583	46.073	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	219587	45.549	ug/l	99
22) Diisopropyl ether	6.37	45	602414	45.762	ug/l	99
23) Vinyl Acetate	6.31	43	1707451	228.651	ug/l	100
24) 1,1-Dichloroethane	6.26	63	367755	46.534	ug/l	97
25) 2-Butanone	7.21	43	266542	228.551	ug/l	95
26) 2,2-Dichloropropane	7.21	77	344131	46.835	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	237401	45.629	ug/l	97
28) Bromochloromethane	7.55	49	151906	49.447	ug/l	100
29) Tetrahydrofuran	7.57	42	156165	215.327	ug/l	98
30) Chloroform	7.71	83	379955	45.825	ug/l	99
31) Cyclohexane	7.98	56	335821	42.451	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	359280	46.133	ug/l	98
36) 1,1-Dichloropropene	8.11	75	304911	46.147	ug/l	99
37) Ethyl Acetate	7.30	43	114671	44.177	ug/l	98
38) Carbon Tetrachloride	8.10	117	328105	46.570	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064708.D
 Acq On : 02 Jan 2020 10:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 03 00:21:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355019	44.363	ug/l	95
40) Benzene	8.35	78	825616	45.773	ug/l	99
41) Methacrylonitrile	7.53	41	61439	40.795	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	238909	45.835	ug/l	100
43) Isopropyl Acetate	8.46	43	225761	43.697	ug/l	98
44) Trichloroethene	9.11	130	241729	45.619	ug/l	96
45) 1,2-Dichloropropane	9.39	63	200882	46.645	ug/l	94
46) Dibromomethane	9.47	93	104207	43.400	ug/l	96
47) Bromodichloromethane	9.66	83	291535	45.629	ug/l	99
48) Methyl methacrylate	9.46	41	102099	41.970	ug/l	91
49) 1,4-Dioxane	9.47	88	23750	857.824	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	558988	218.893	ug/l	99
52) Toluene	10.40	92	538126	45.473	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	280066	47.016	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	325328	46.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	140412	43.392	ug/l	97
56) Ethyl methacrylate	10.66	69	181619	44.942	ug/l	98
57) 1,3-Dichloropropane	10.95	76	250892	45.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	325439	211.369	ug/l	99
59) 2-Hexanone	10.98	43	412974	238.266	ug/l	99
60) Dibromochloromethane	11.14	129	199049	44.482	ug/l	100
61) 1,2-Dibromoethane	11.25	107	141045	44.192	ug/l	98
64) Tetrachloroethene	10.87	164	208369	46.043	ug/l	98
65) Chlorobenzene	11.67	112	561203	45.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	214965	46.575	ug/l	100
67) Ethyl Benzene	11.75	91	1045238	47.036	ug/l	99
68) m/p-Xylenes	11.86	106	801365	93.430	ug/l	98
69) o-Xylene	12.18	106	364434	47.040	ug/l	100
70) Styrene	12.20	104	633577	46.591	ug/l	99
71) Bromoform	12.37	173	117300	44.566	ug/l #	99
73) Isopropylbenzene	12.48	105	985595	47.392	ug/l	99
74) N-amyl acetate	12.29	43	204760	46.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	146084	44.716	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	197164	85.797	ug/l #	100
77) Bromobenzene	12.77	156	237441	46.466	ug/l	99
78) n-propylbenzene	12.83	91	1138643	46.931	ug/l	100
79) 2-Chlorotoluene	12.91	91	621862	46.658	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	796831	46.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51409	46.788	ug/l	98
82) 4-Chlorotoluene	13.01	91	658360	46.417	ug/l	100
83) tert-Butylbenzene	13.23	119	701726	47.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	791906	46.544	ug/l	99
85) sec-Butylbenzene	13.41	105	957864	47.105	ug/l	99
86) p-Isopropyltoluene	13.53	119	904296	46.508	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	450641	46.260	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	433788	45.329	ug/l	99
89) n-Butylbenzene	13.85	91	825756	47.159	ug/l	99
90) Hexachloroethane	14.12	117	165577	44.580	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	378408	45.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22859	43.162	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
Data File : VD064708.D
Acq On : 02 Jan 2020 10:26
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Jan 03 00:21:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

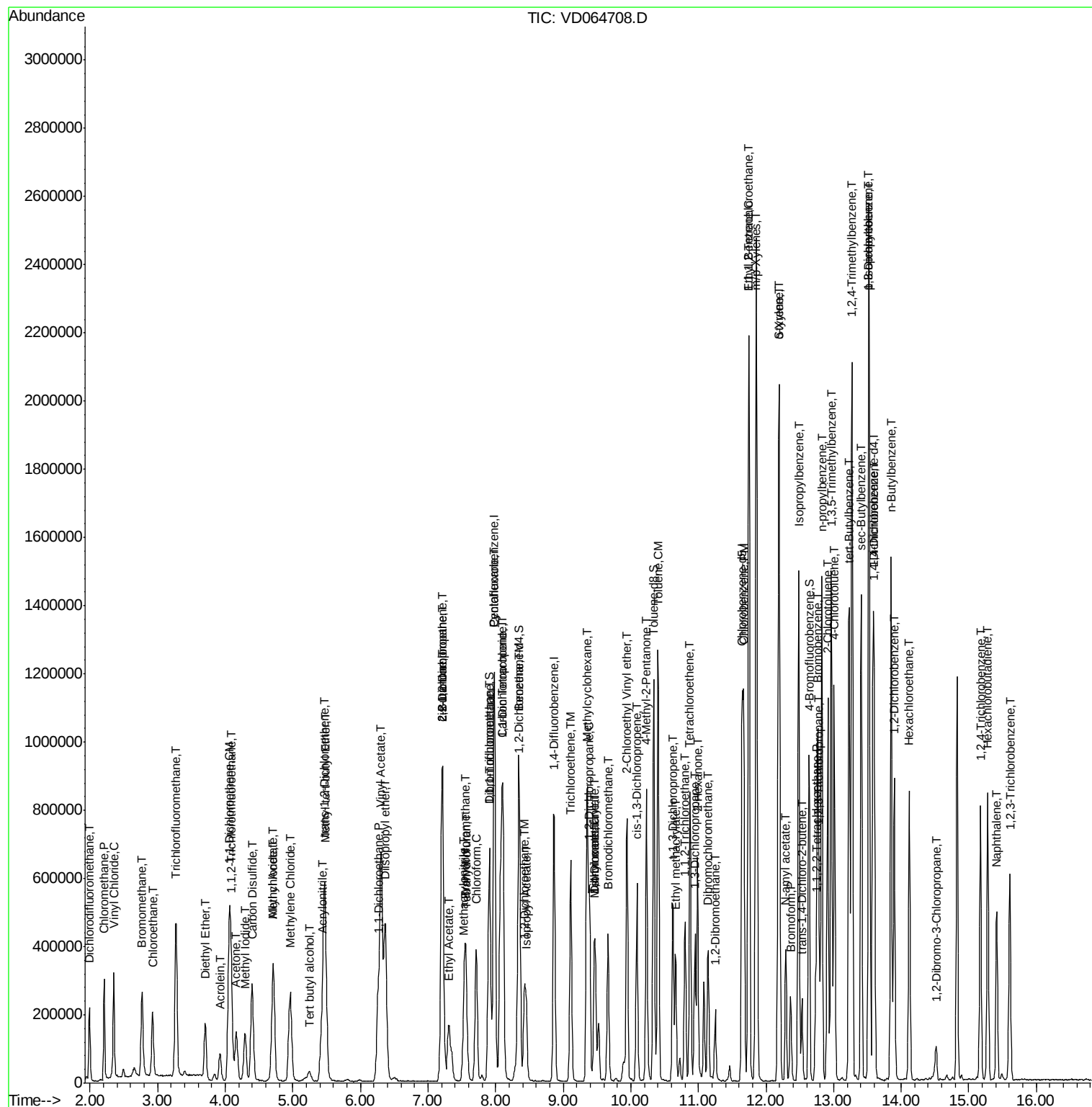
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	270318	44.197	ug/l	99
94) Hexachlorobutadiene	15.28	225	172777	44.891	ug/l	98
95) Naphthalene	15.41	128	439489	45.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228416	43.746	ug/l	99

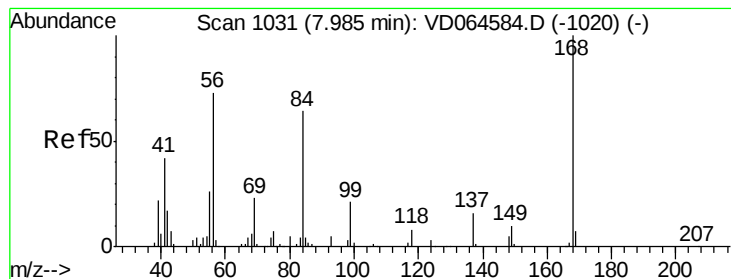
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064708.D
 Acq On : 02 Jan 2020 10:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 03 00:21:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

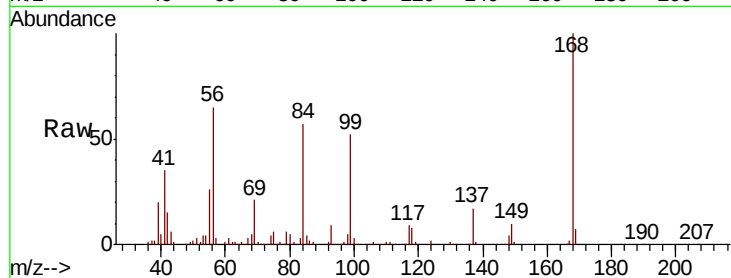
VSTDCCC050

Tot Ion:168 Resp: 481151

Ion Ratio Lower Upper

168 100

99 52.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

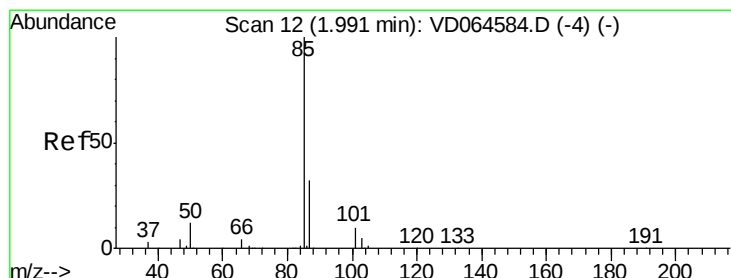
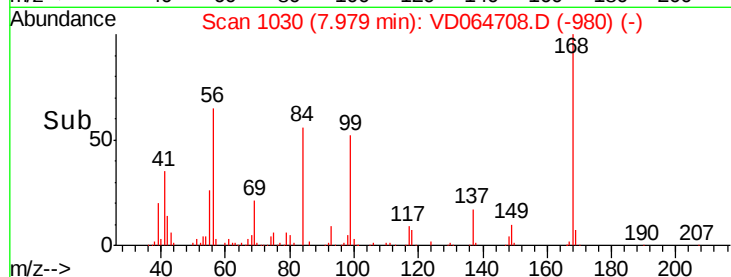
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.757 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064708.D

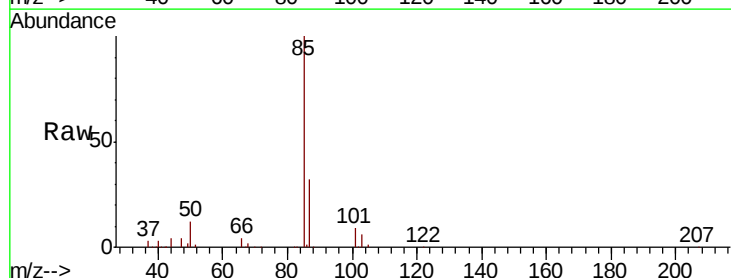
Acq: 02 Jan 2020 10:26

Tgt Ion: 85 Resp: 159878

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

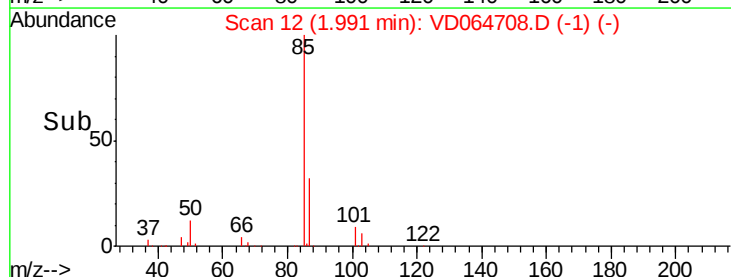
100000

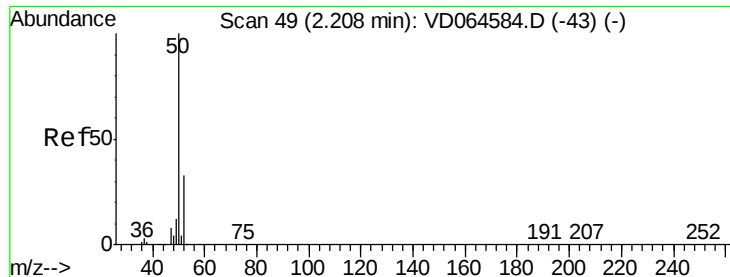
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 42.978 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

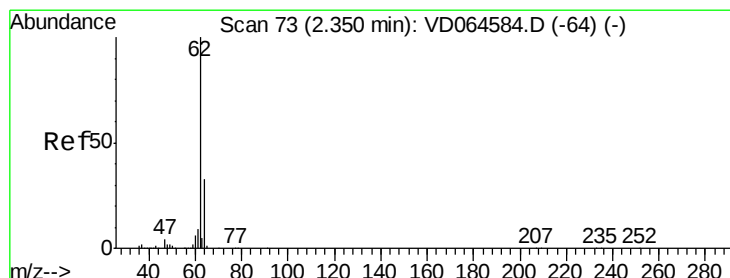
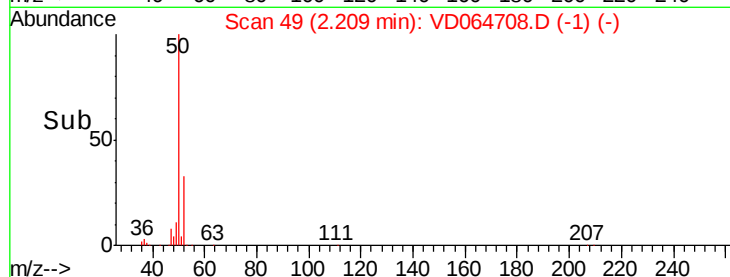
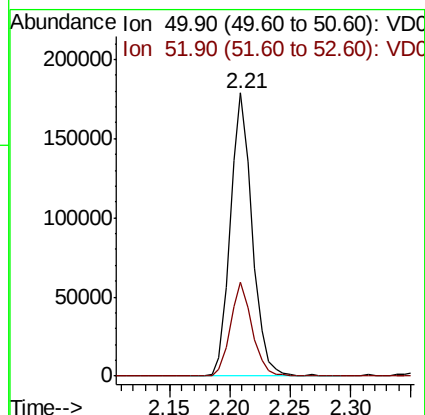
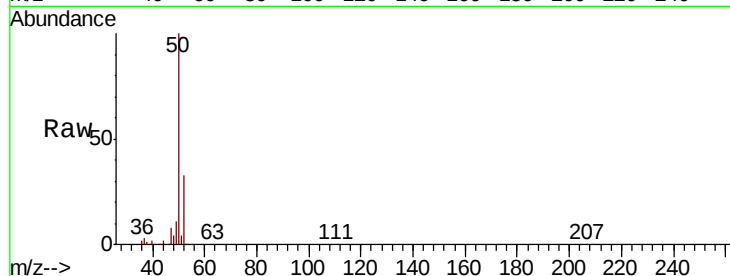
VSTDCCC050

Tot Ion: 50 Resp: 224756

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 43.545 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064708.D

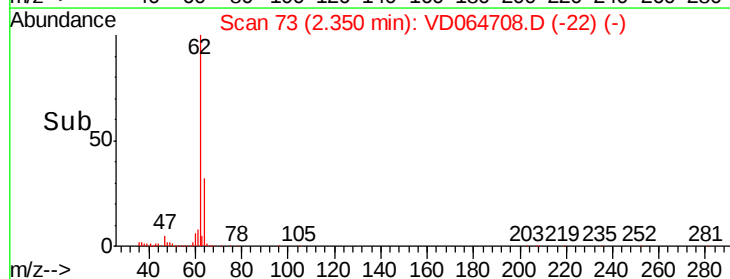
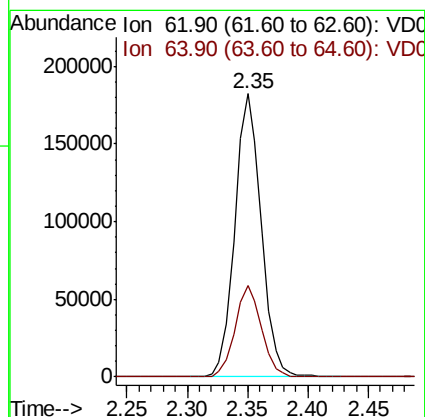
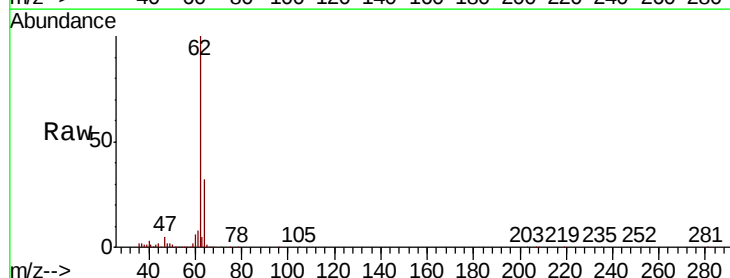
Acq: 02 Jan 2020 10:26

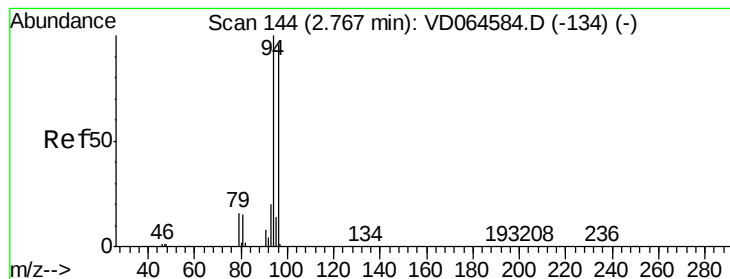
Tgt Ion: 62 Resp: 277657

Ion Ratio Lower Upper

62 100

64 32.1 26.6 40.0





#5

Bromomethane

Concen: 42.197 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

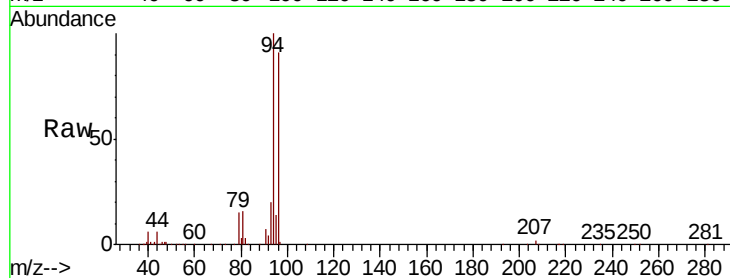
VSTDCCC050

Tot Ion: 94 Resp: 195631

Ion Ratio Lower Upper

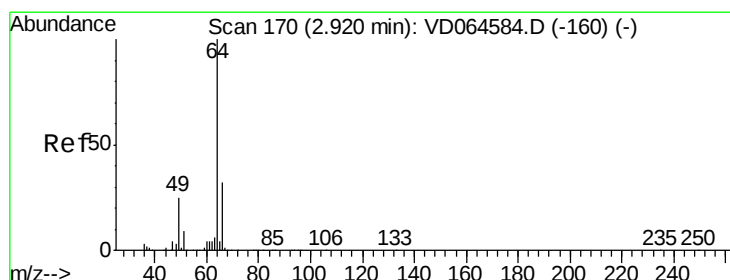
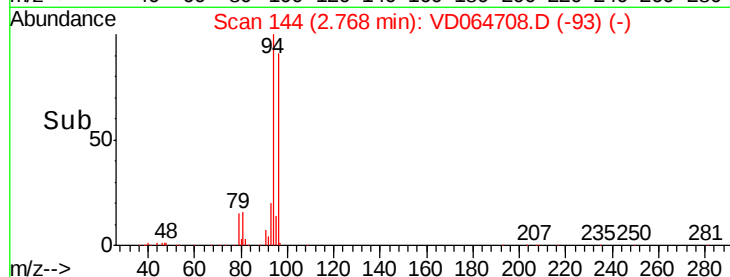
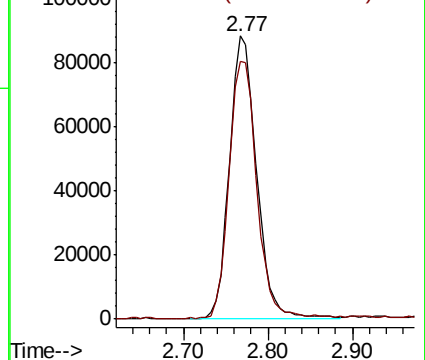
94 100

96 90.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.567 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064708.D

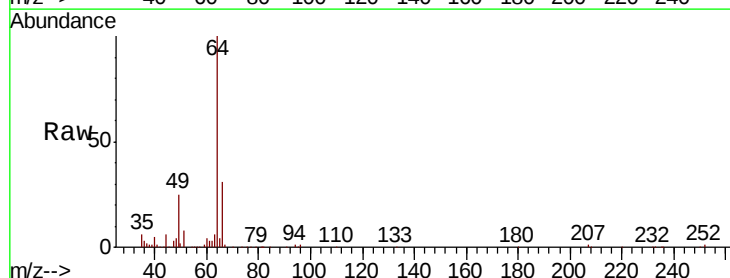
Acq: 02 Jan 2020 10:26

Tgt Ion: 64 Resp: 186137

Ion Ratio Lower Upper

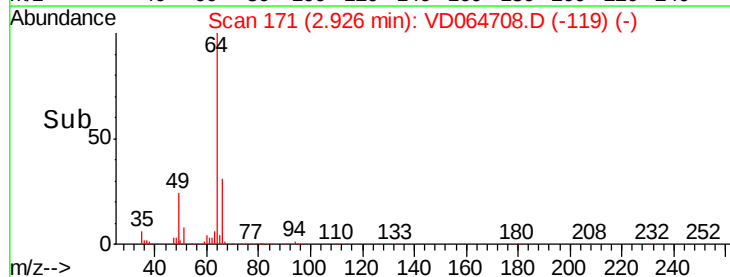
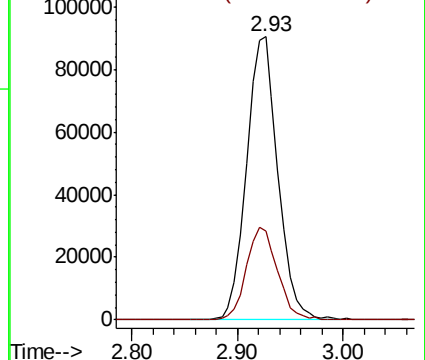
64 100

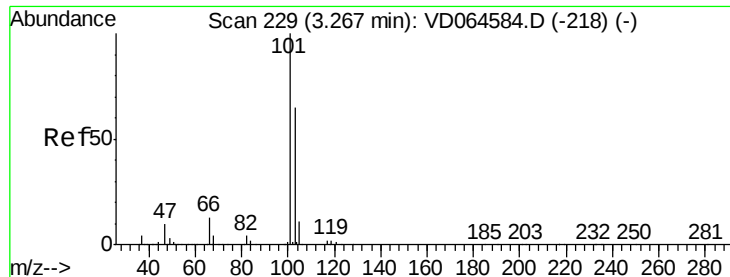
66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



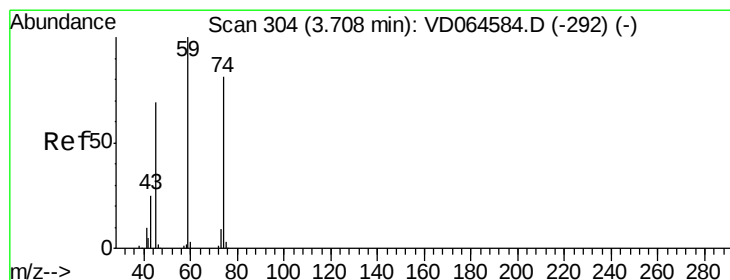
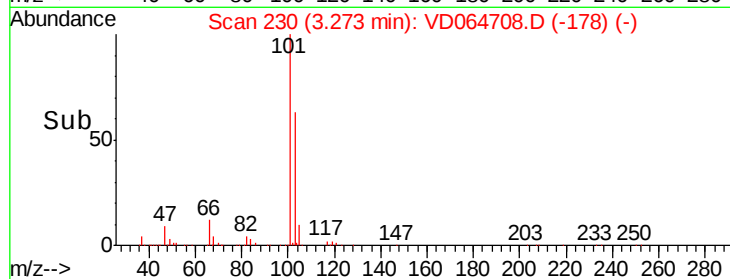
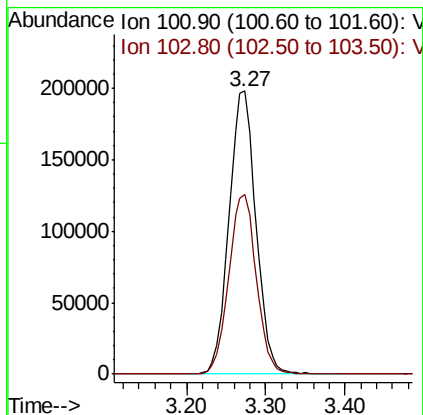
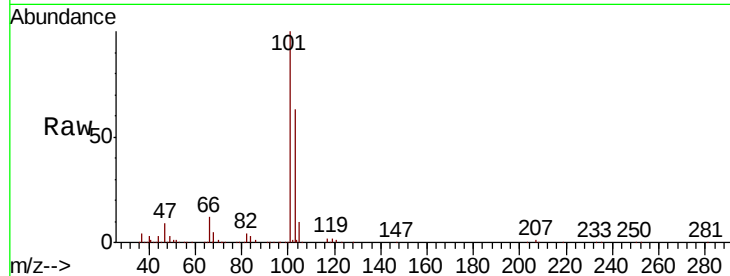


#7

Trichlorofluoromethane
Concen: 43.503 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

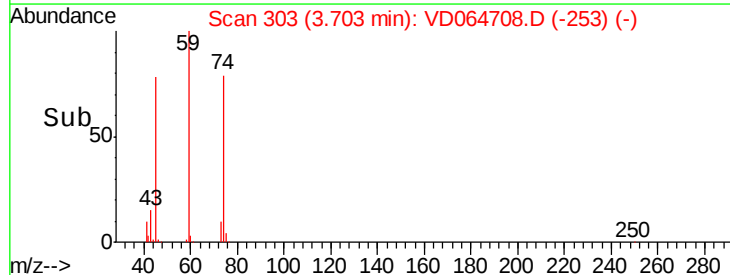
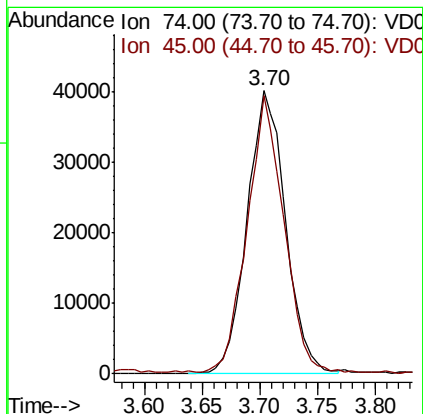
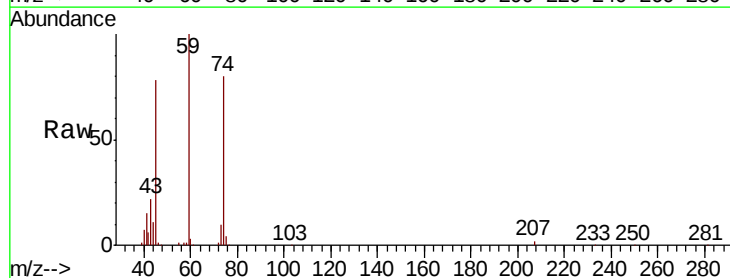
Tot Ion:101 Resp: 467055
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4

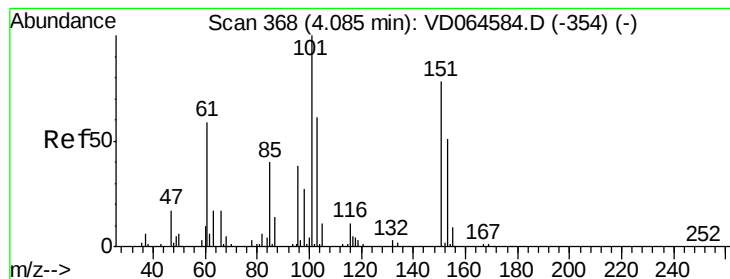


#8

Diethyl Ether
Concen: 43.674 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 74 Resp: 93112
Ion Ratio Lower Upper
74 100
45 93.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.257 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

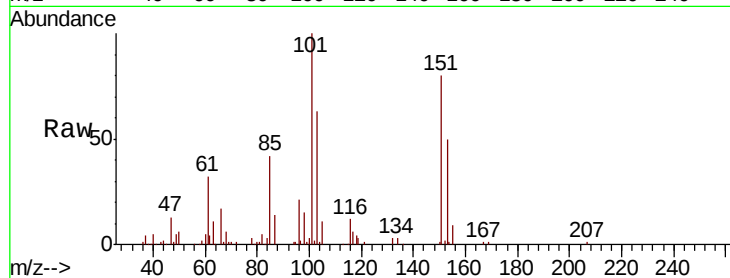
Tot Ion:101 Resp: 201225

Ion Ratio Lower Upper

101 100

85 43.9 35.2 52.8

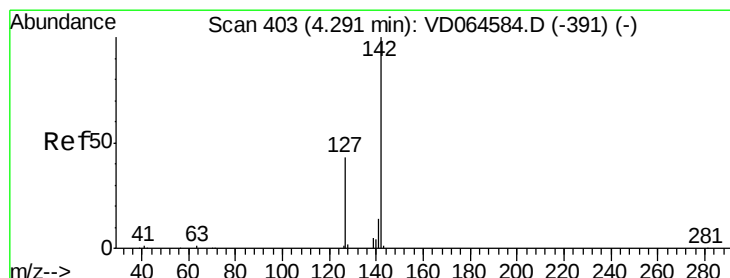
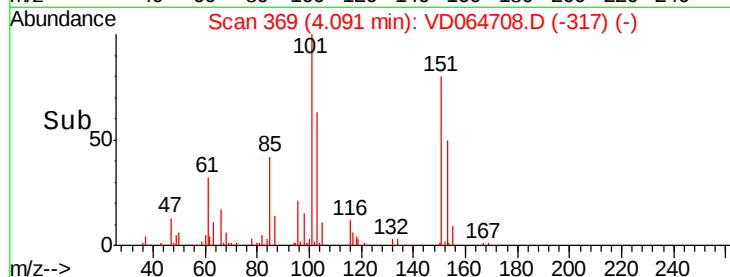
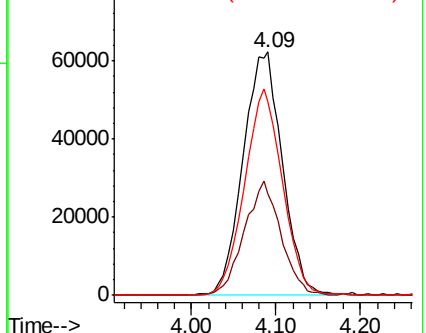
151 82.0 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.785 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

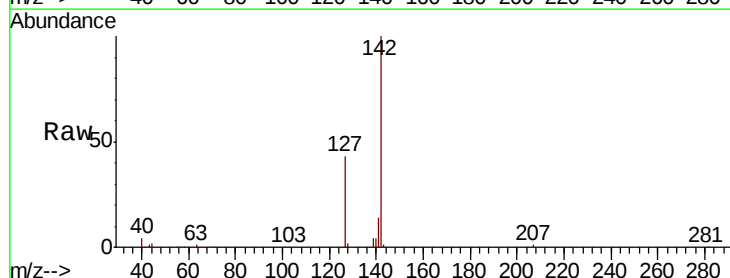
Tgt Ion:142 Resp: 232998

Ion Ratio Lower Upper

142 100

127 43.7 36.2 54.4

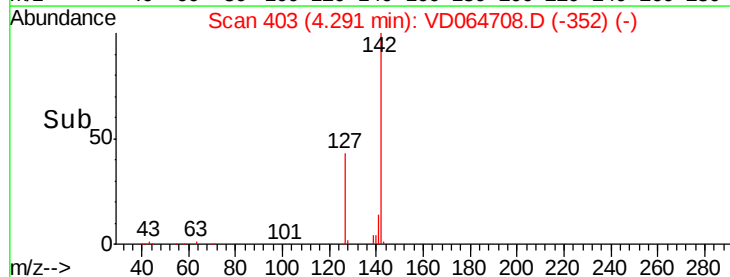
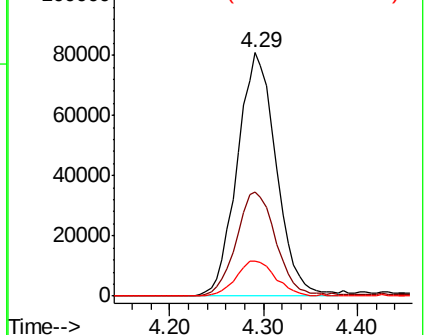
141 14.8 11.8 17.8

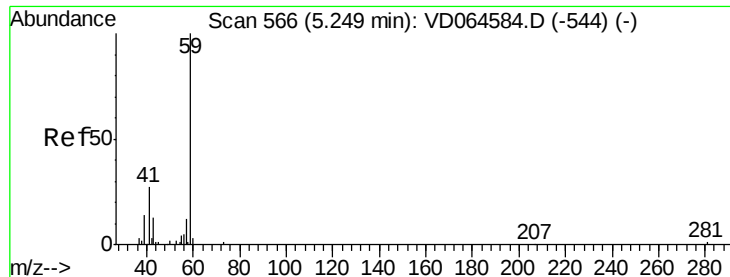


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



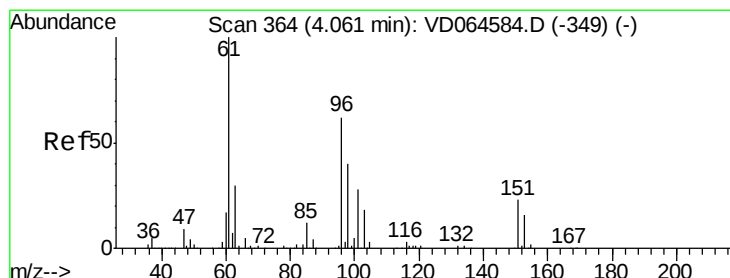
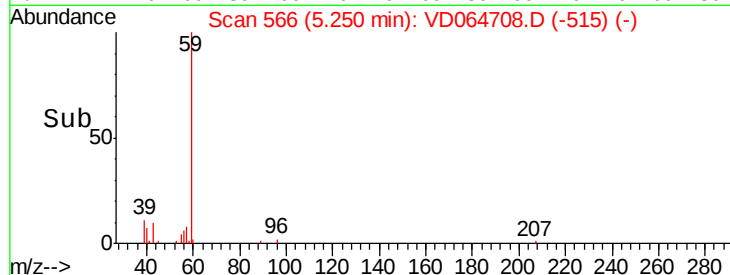
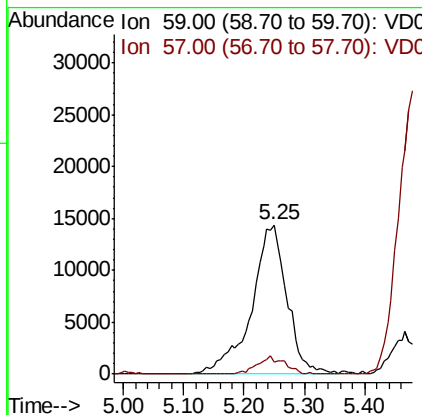
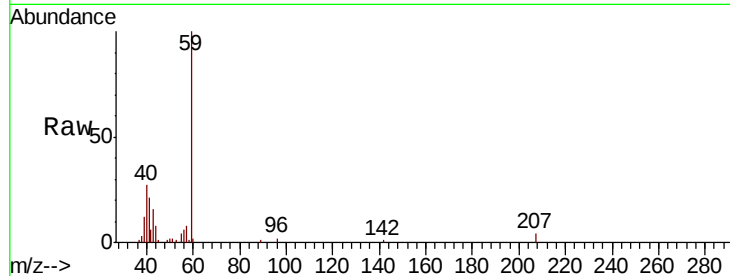


#11

Tert butyl alcohol
 Concen: 241.272 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

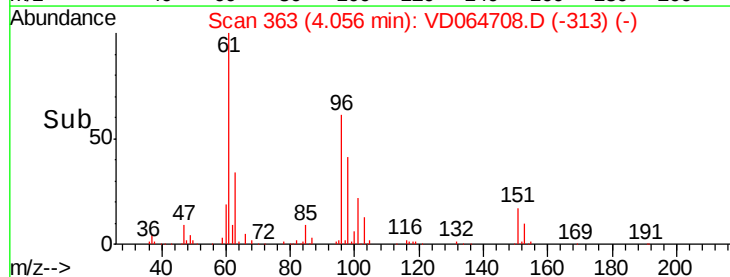
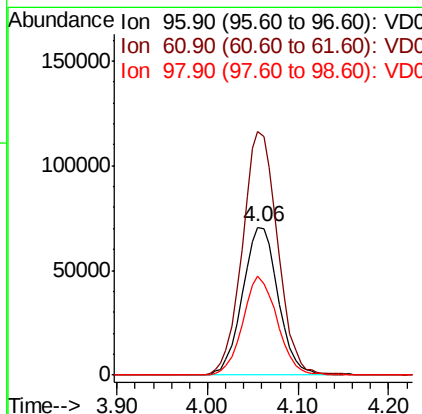
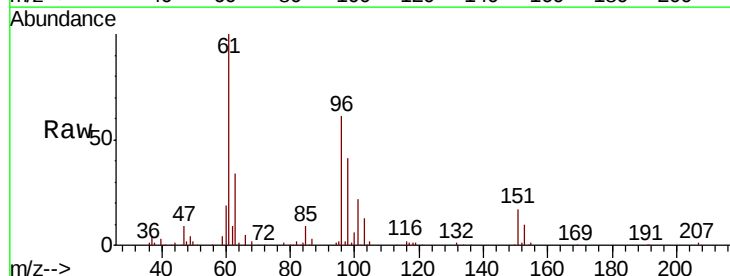
Tot Ion: 59 Resp: 58666
 Ion Ratio Lower Upper
 59 100
 57 9.2 9.3 13.9#

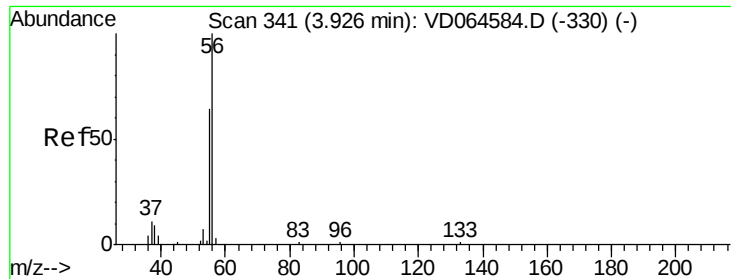


#12

1,1-Dichloroethene
 Concen: 45.465 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion: 96 Resp: 192458
 Ion Ratio Lower Upper
 96 100
 61 164.3 129.4 194.0
 98 66.9 51.4 77.0





#13

Acrolein

Concen: 275.094 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

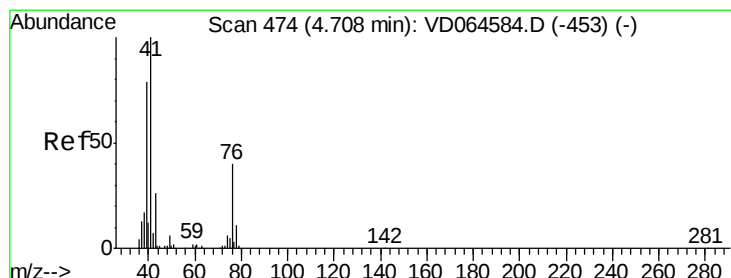
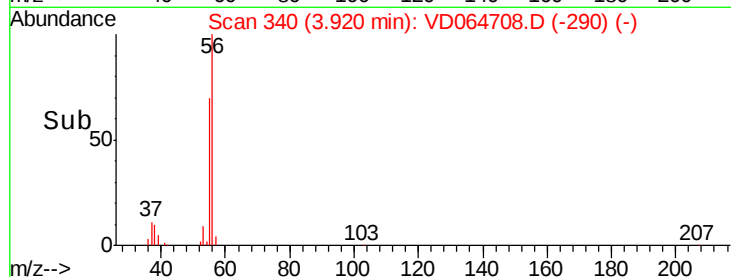
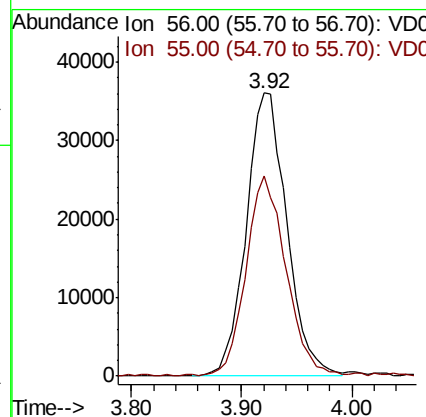
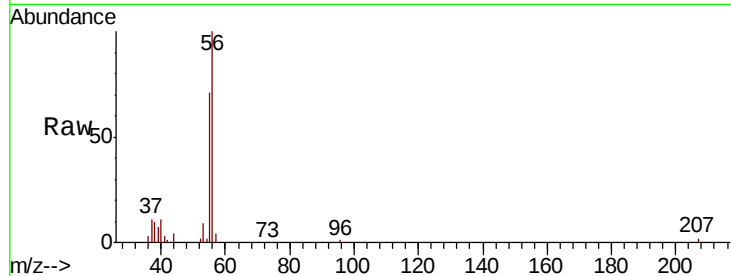
VSTDCCC050

Tot Ion: 56 Resp: 93221

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1



#14

Allyl chloride

Concen: 47.121 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

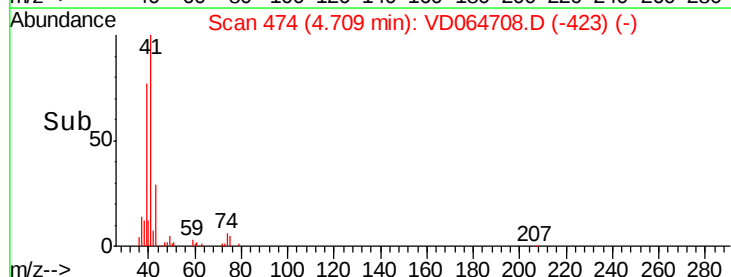
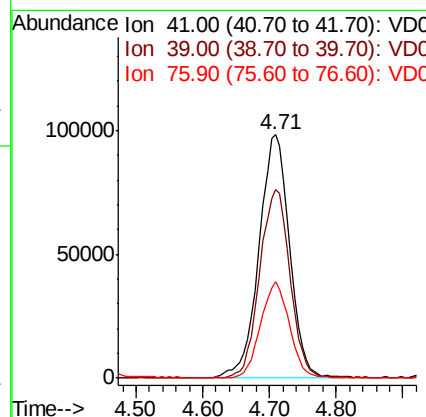
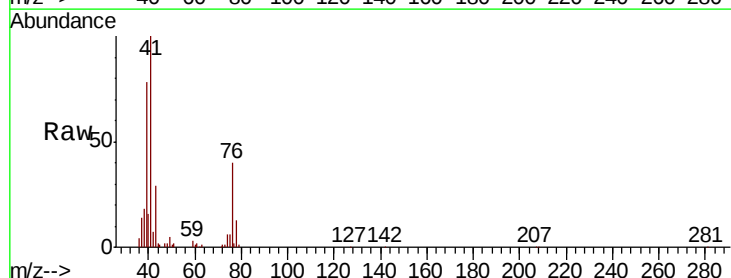
Tgt Ion: 41 Resp: 310995

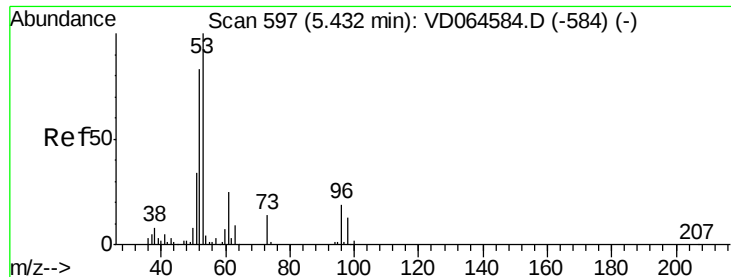
Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

76 36.7 29.7 44.5





#15

Acrylonitrile

Concen: 214.277 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

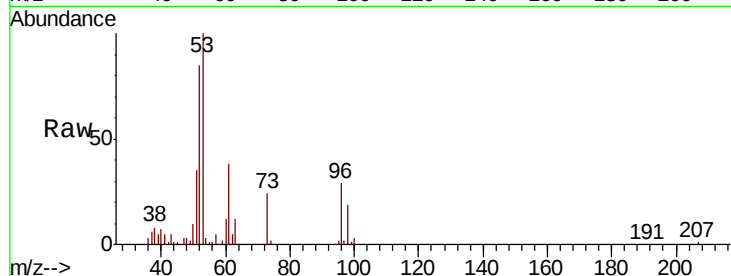
Tot Ion: 53 Resp: 190286

Ion Ratio Lower Upper

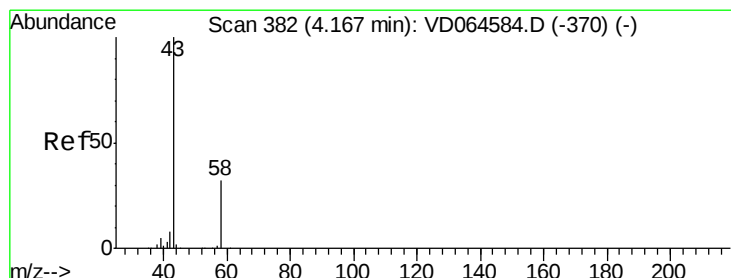
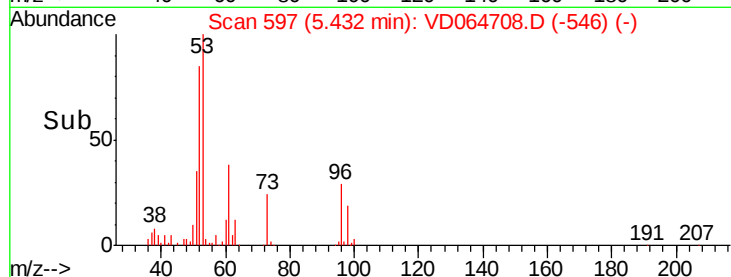
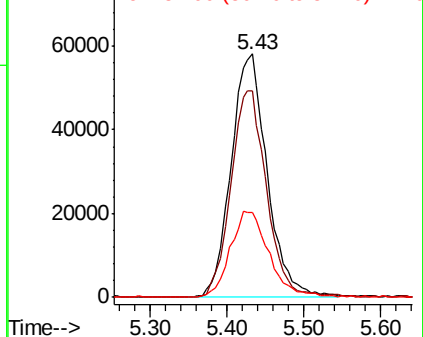
53 100

52 84.4 66.2 99.2

51 37.9 30.1 45.1



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



#16

Acetone

Concen: 279.568 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064708.D

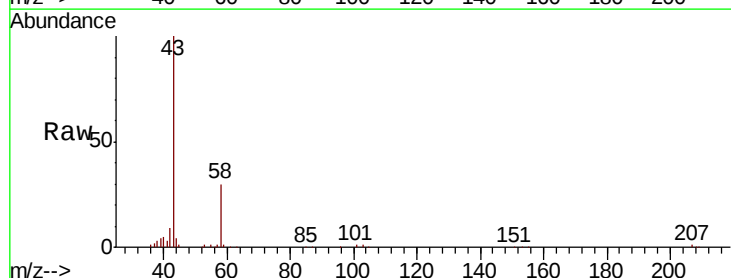
Acq: 02 Jan 2020 10:26

Tgt Ion: 43 Resp: 246551

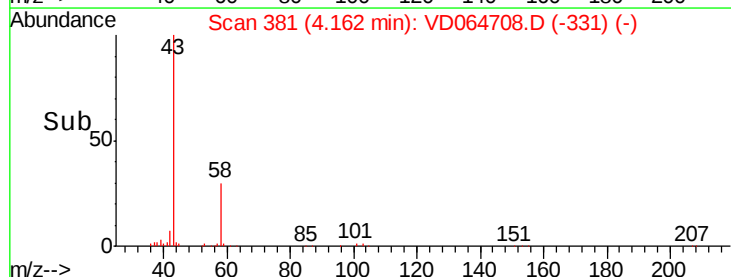
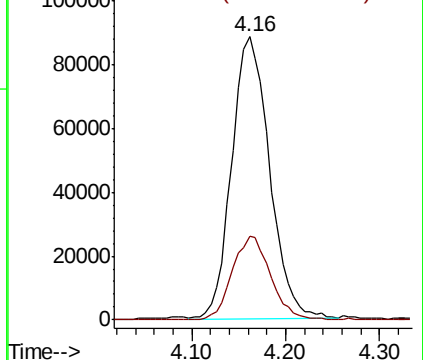
Ion Ratio Lower Upper

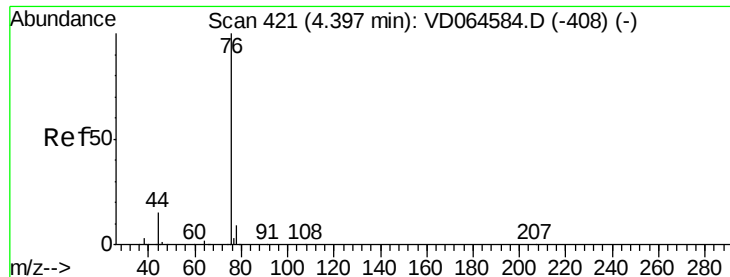
43 100

58 30.0 25.8 38.6



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





#17

Carbon Disulfide

Concen: 43.438 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

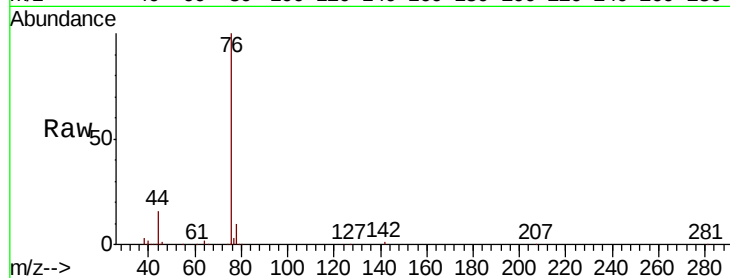
VSTDCCC050

Tot Ion: 76 Resp: 594556

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

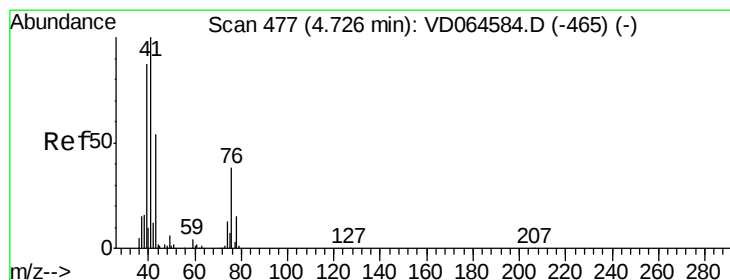
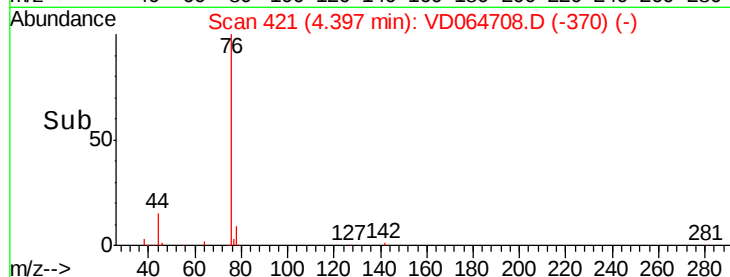
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 40.792 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD064708.D

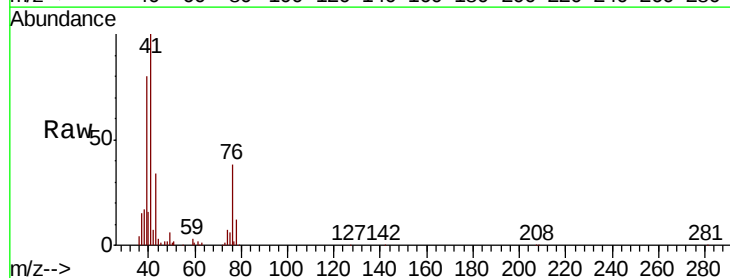
Acq: 02 Jan 2020 10:26

Tgt Ion: 43 Resp: 97437

Ion Ratio Lower Upper

43 100

74 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

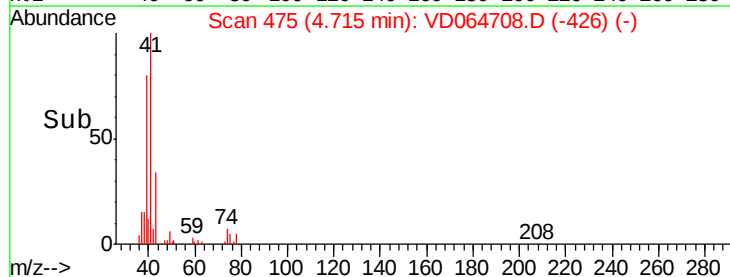
30000

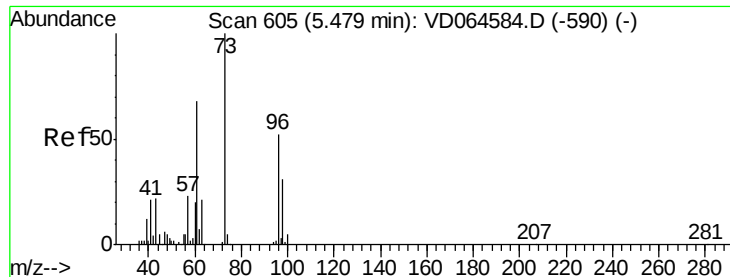
20000

10000

0

Time-->



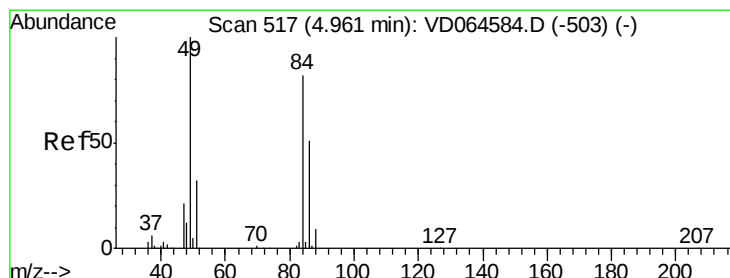
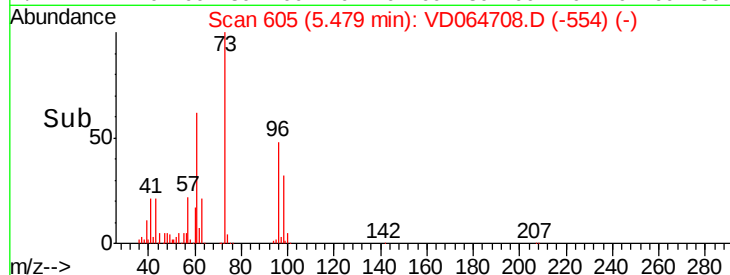
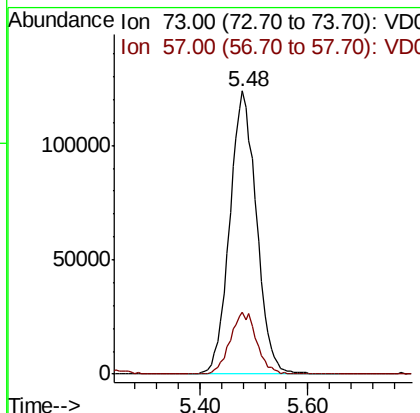
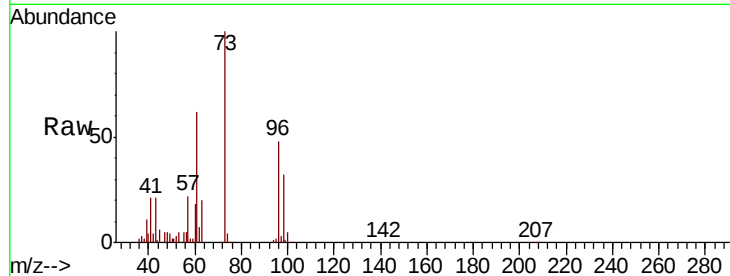


#19

Methyl tert-butyl Ether
 Concen: 45.597 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

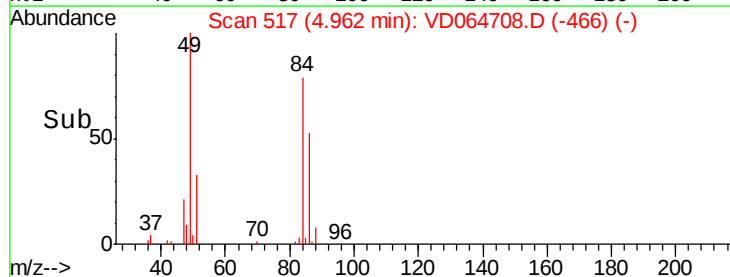
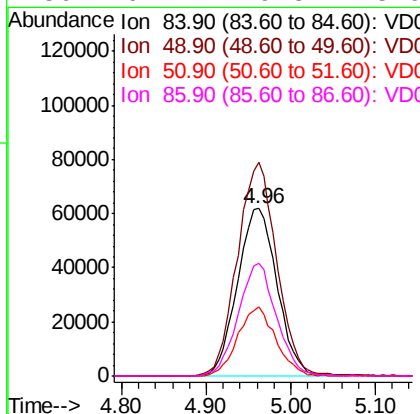
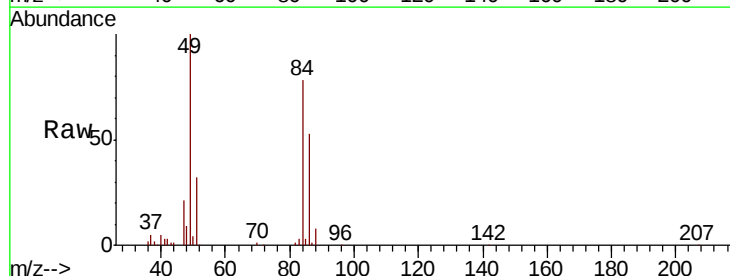
Tot Ion: 73 Resp: 428720
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.6 27.8

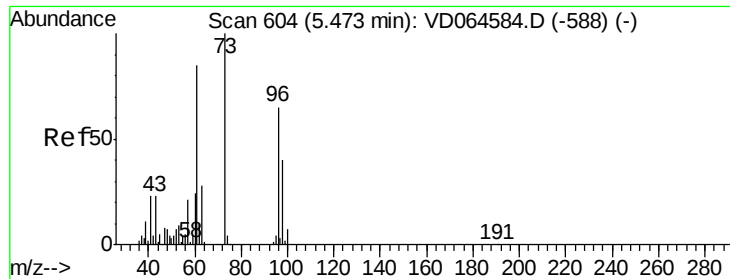


#20

Methylene Chloride
 Concen: 46.073 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion: 84 Resp: 201583
 Ion Ratio Lower Upper
 84 100
 49 127.7 97.2 145.8
 51 41.4 31.4 47.0
 86 67.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 45.549 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

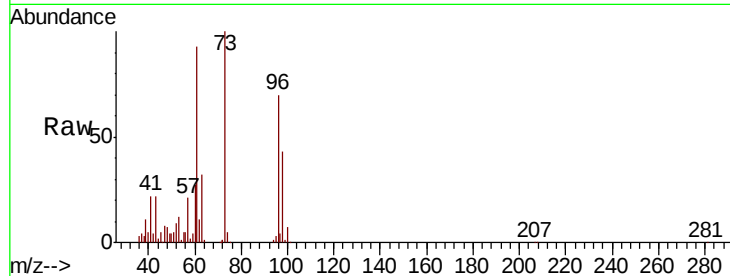
Tot Ion: 96 Resp: 219587

Ion Ratio Lower Upper

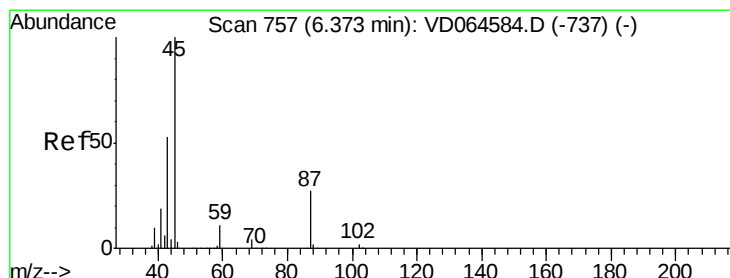
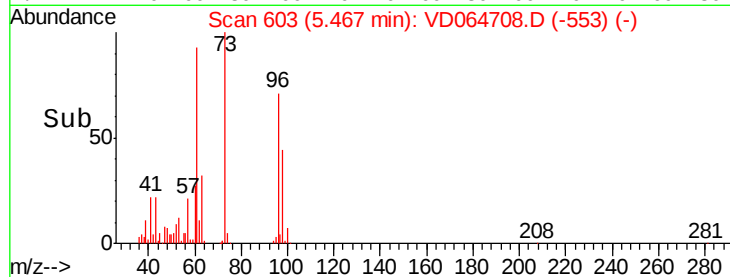
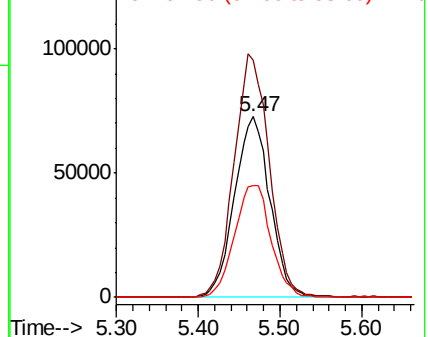
96 100

61 131.5 104.7 157.1

98 61.4 49.4 74.2



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



#22

Diisopropyl ether

Concen: 45.762 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Tgt Ion: 45 Resp: 602414

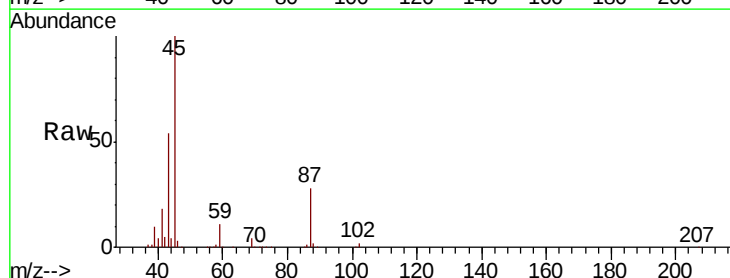
Ion Ratio Lower Upper

45 100

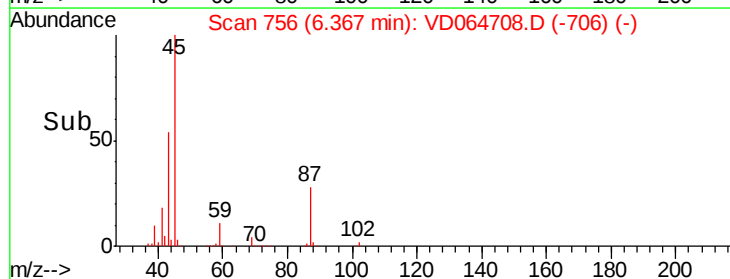
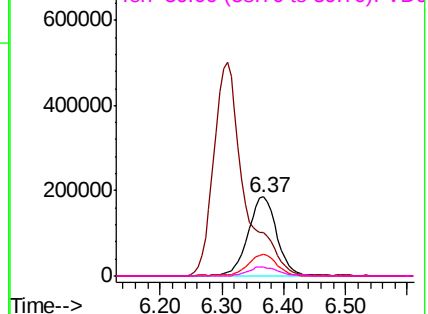
43 53.3 43.2 64.8

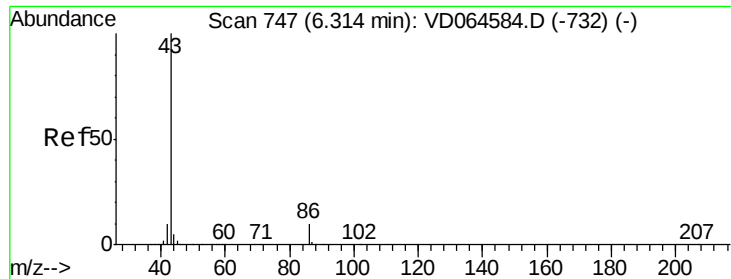
87 28.1 21.9 32.9

59 11.3 9.0 13.4



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





#23

Vinyl Acetate

Concen: 228.651 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

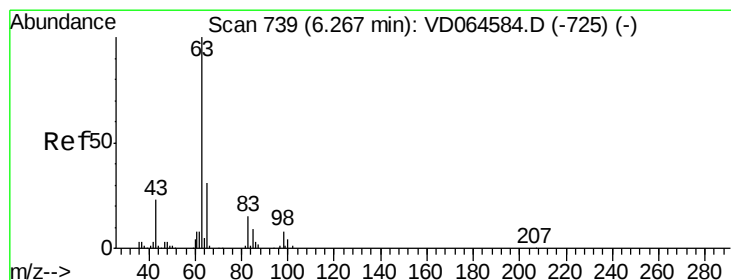
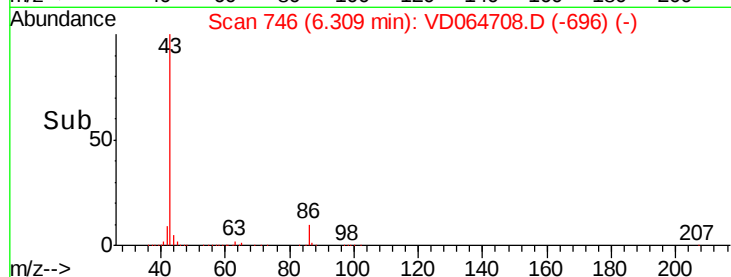
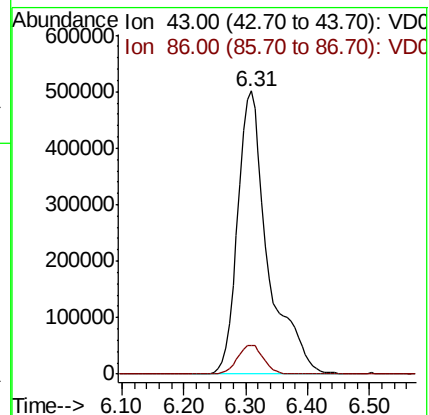
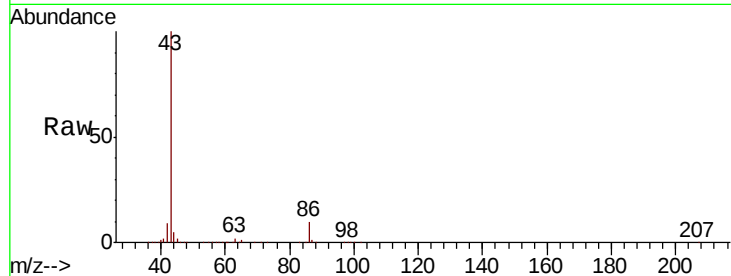
VSTDCCC050

Tot Ion: 43 Resp: 1707451

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



#24

1,1-Dichloroethane

Concen: 46.534 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

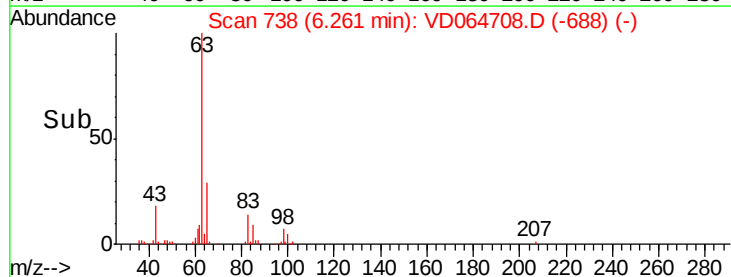
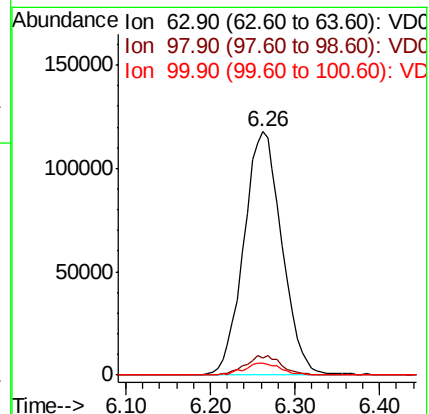
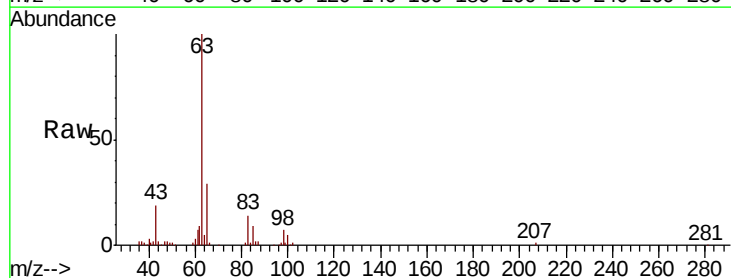
Tgt Ion: 63 Resp: 367755

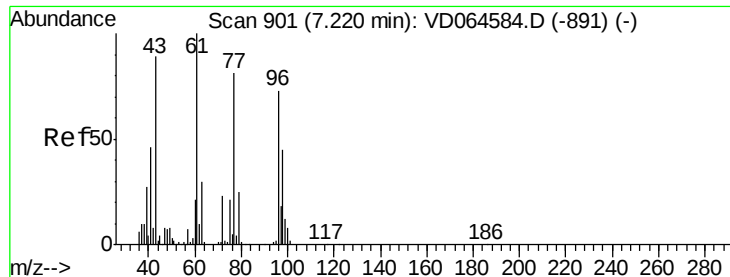
Ion Ratio Lower Upper

63 100

98 7.0 4.1 12.3

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 228.551 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

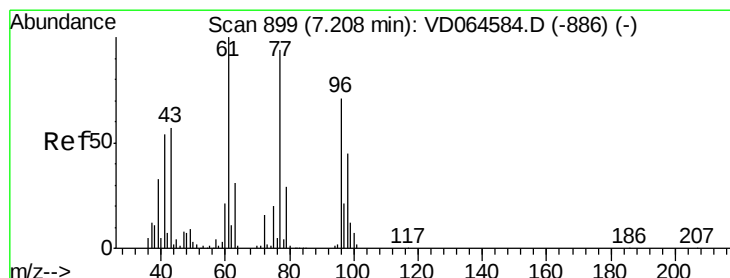
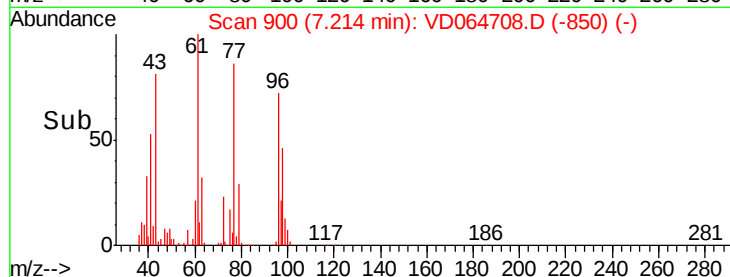
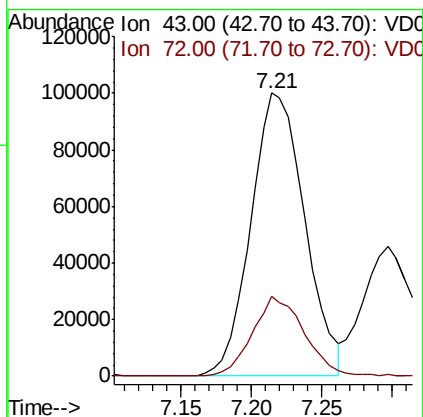
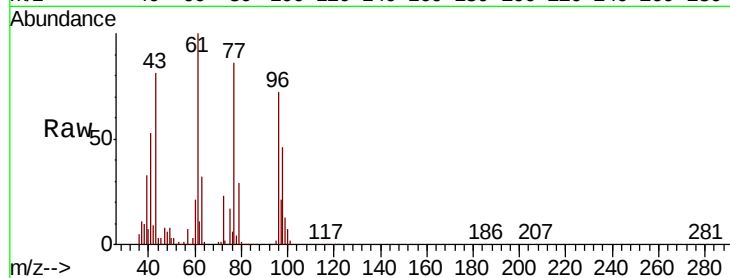
VSTDCCC050

Tot Ion: 43 Resp: 266542

Ion Ratio Lower Upper

43 100

72 28.4 20.7 31.1



#26

2,2-Dichloropropane

Concen: 46.835 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064708.D

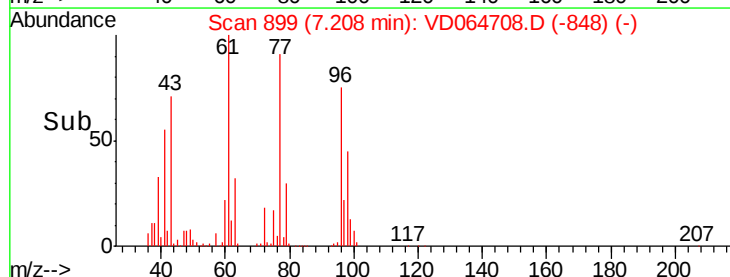
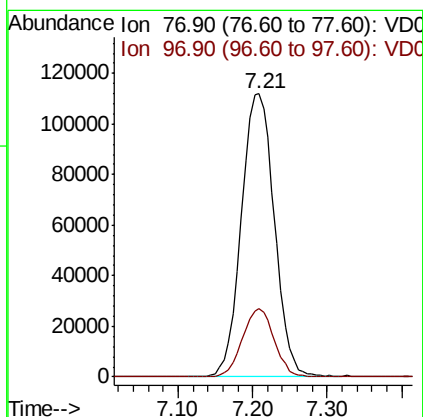
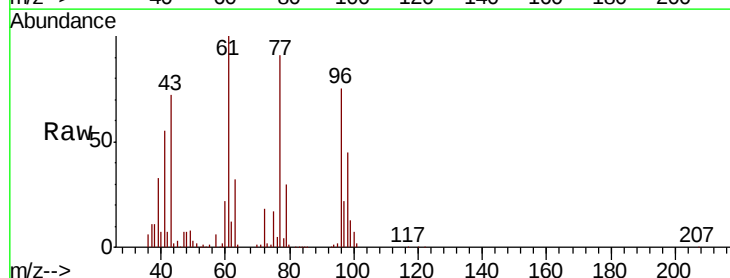
Acq: 02 Jan 2020 10:26

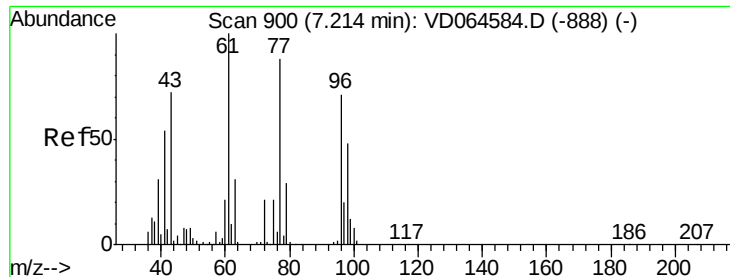
Tgt Ion: 77 Resp: 344131

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.629 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

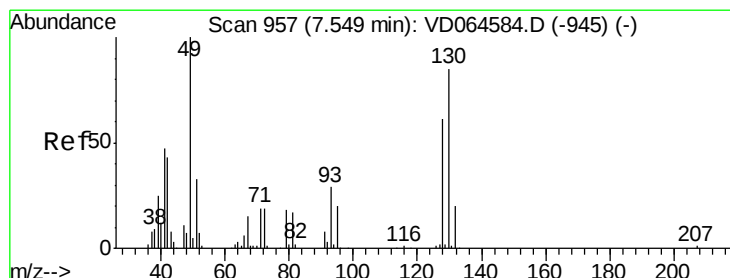
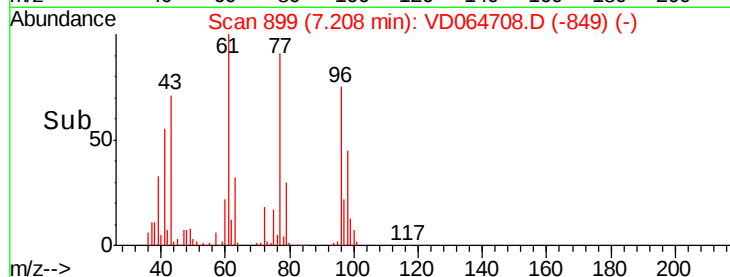
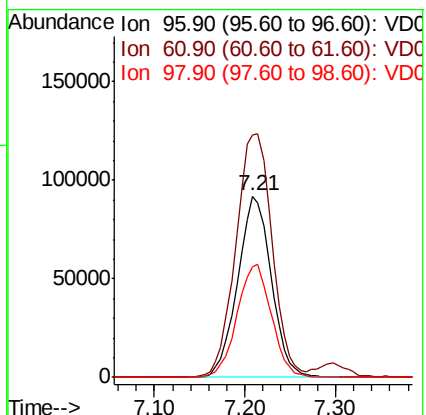
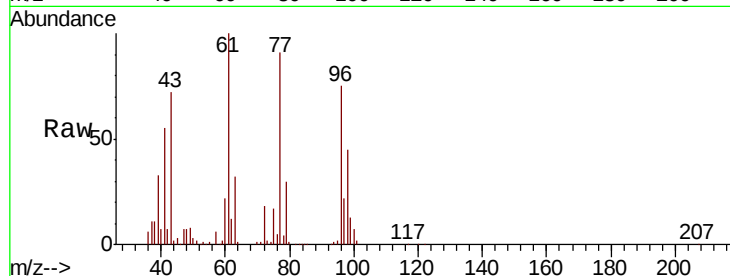
Tot Ion: 96 Resp: 237401

Ion Ratio Lower Upper

96 100

61 144.9 0.0 282.6

98 63.3 0.0 130.8



#28

Bromochloromethane

Concen: 49.447 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

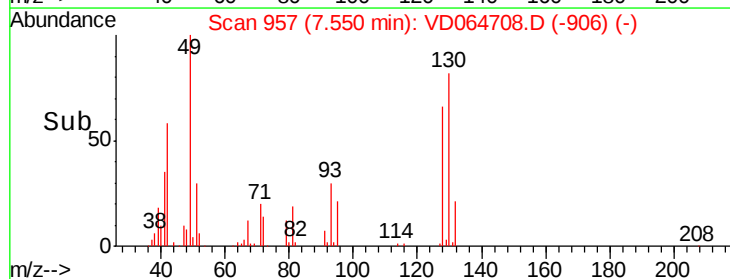
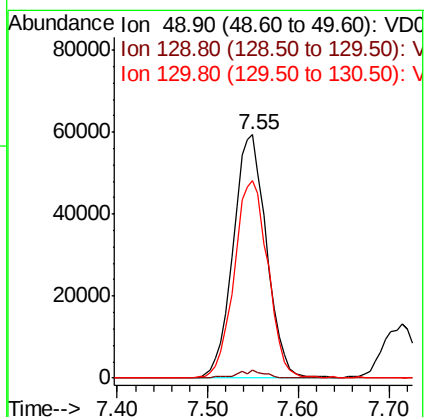
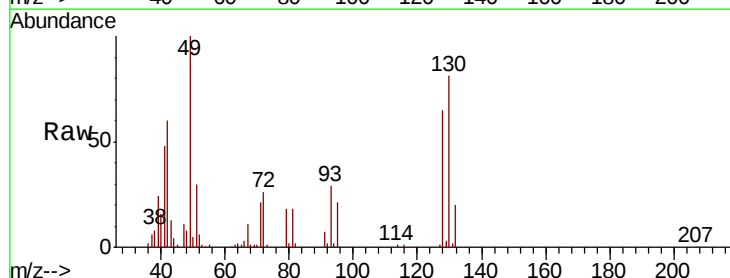
Tgt Ion: 49 Resp: 151906

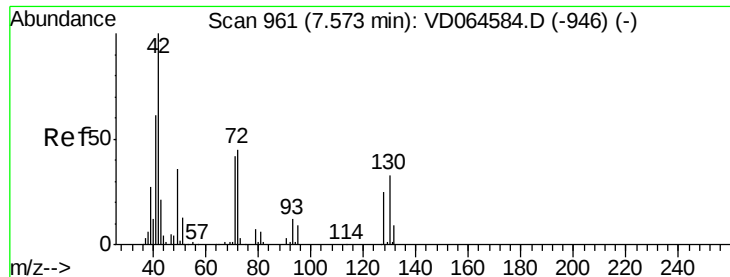
Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.8

130 81.7 65.0 97.6

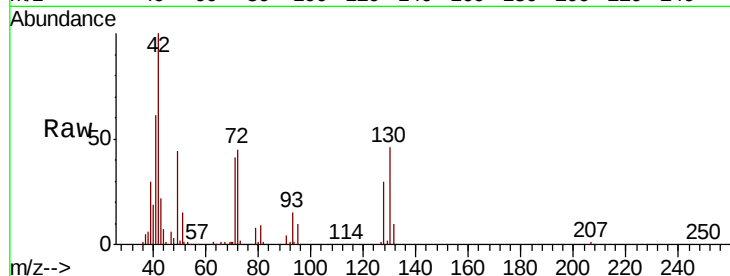




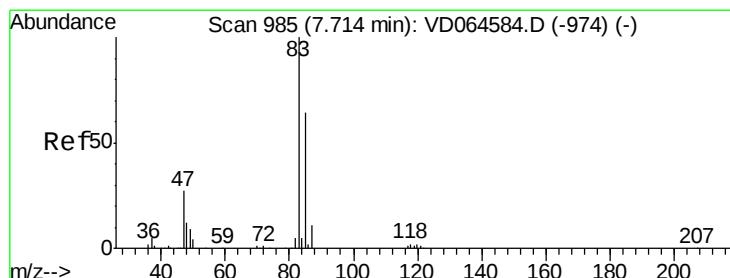
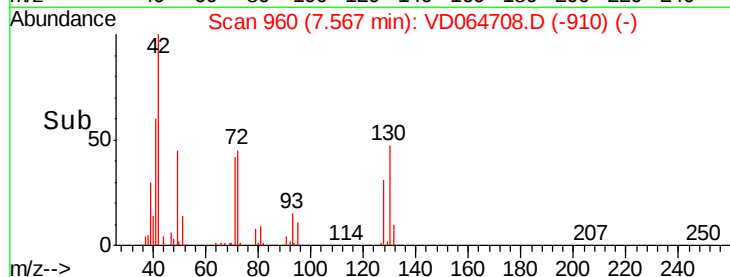
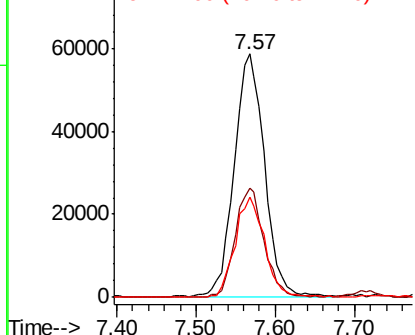
#29
Tetrahydrofuran
Concen: 215.327 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 156165
Ion Ratio Lower Upper
42 100
72 42.5 35.0 52.4
71 39.6 32.9 49.3

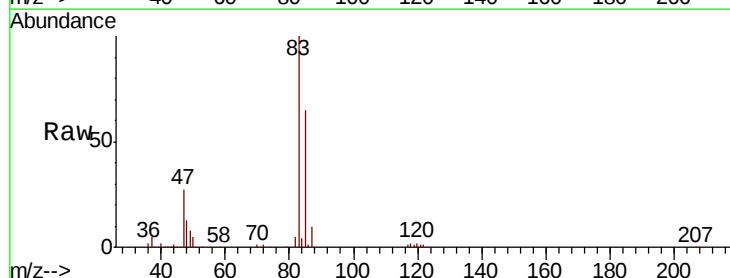


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

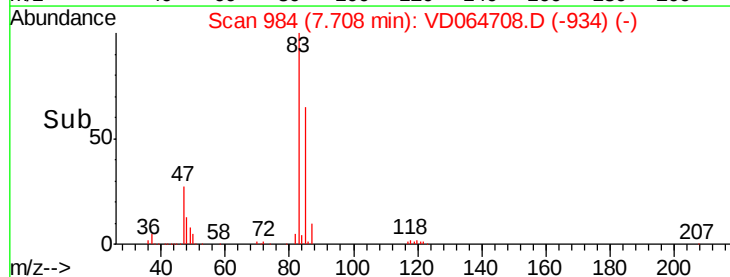
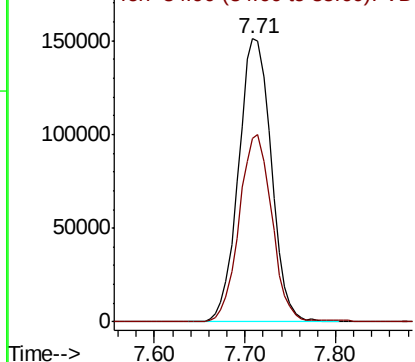


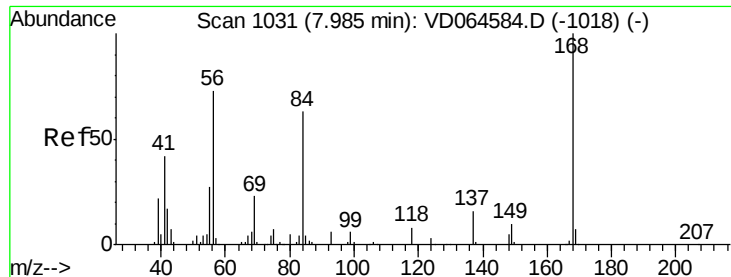
#30
Chloroform
Concen: 45.825 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 83 Resp: 379955
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7



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

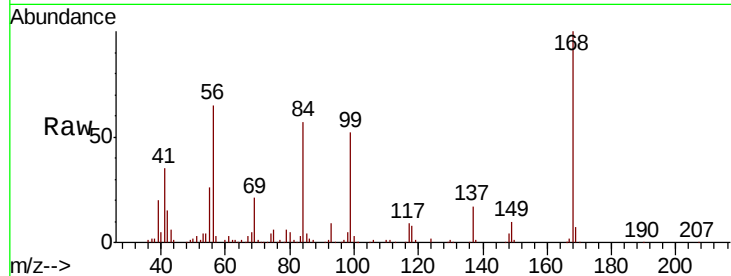




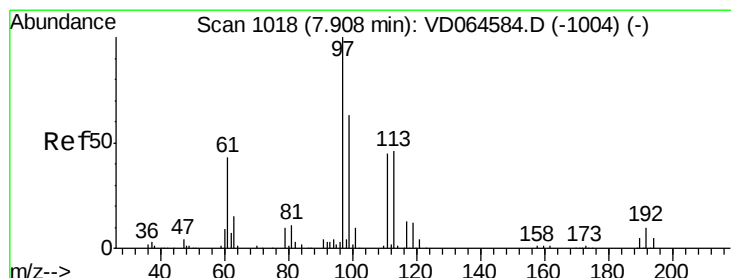
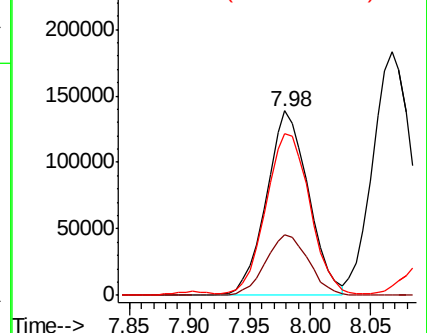
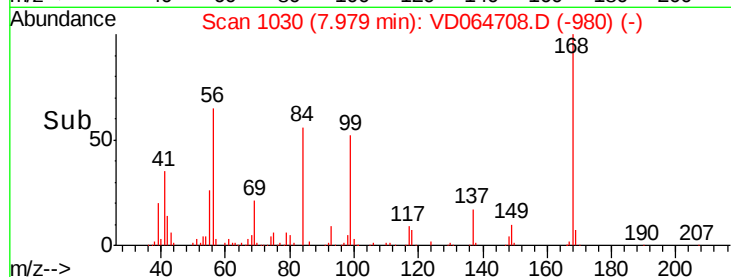
#31
Cyclohexane
Concen: 42.451 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 335821
Ion Ratio Lower Upper
56 100
69 32.9 24.7 37.1
84 85.4 69.4 104.2

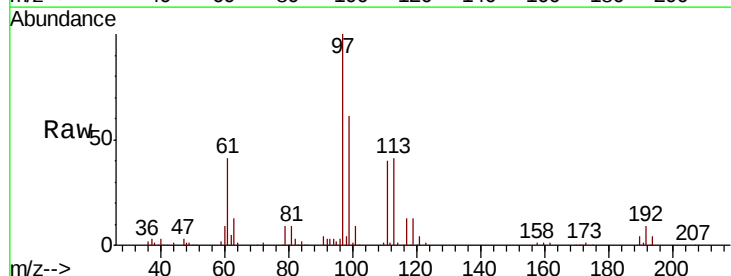


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

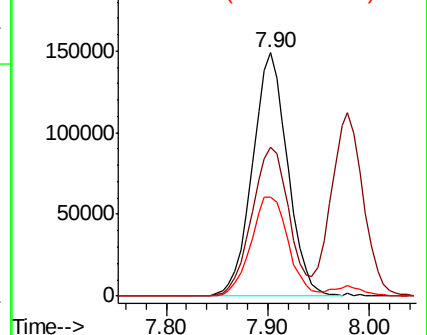
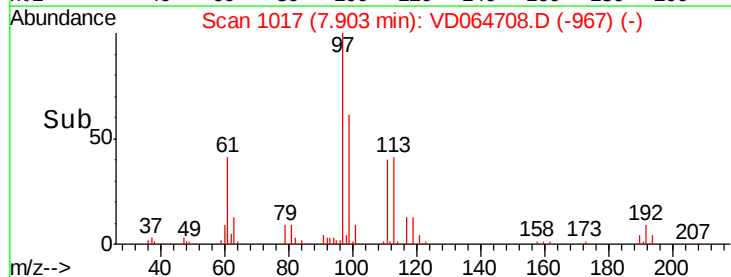


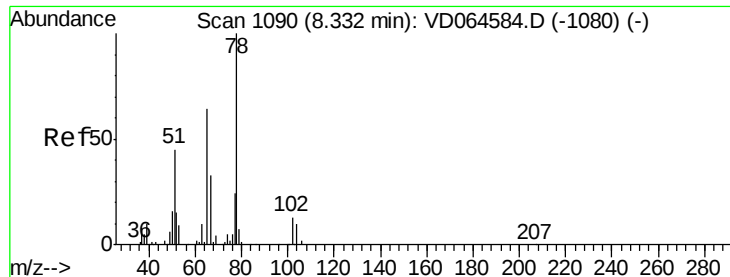
#32
1,1,1-Trichloroethane
Concen: 46.133 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 97 Resp: 359280
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.6
61 43.4 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 47.191 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

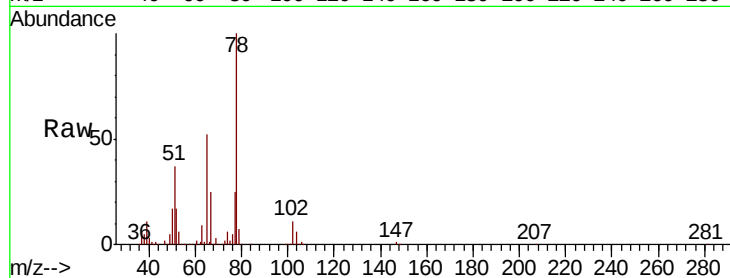
VSTDCCC050

Tot Ion: 65 Resp: 200217

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

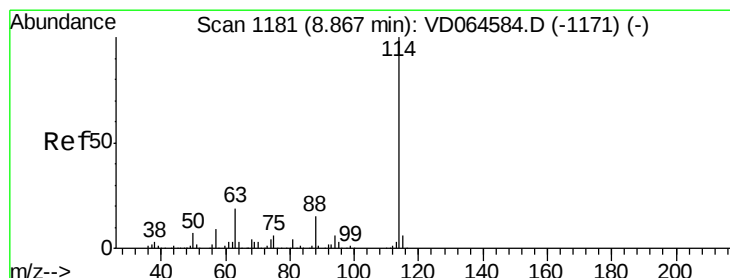
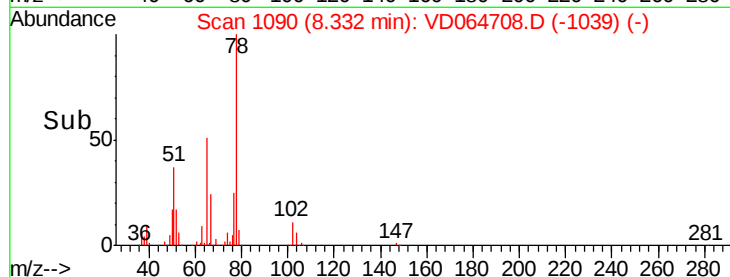
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

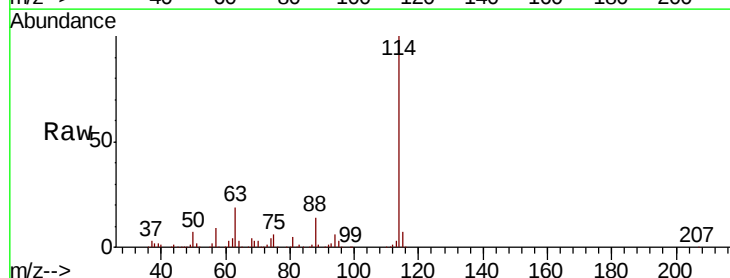
Tgt Ion: 114 Resp: 686479

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.0

88 14.1 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

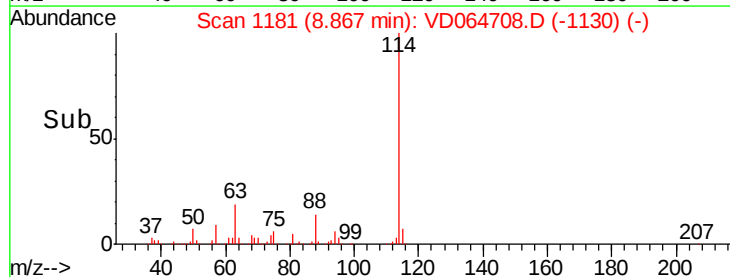
300000

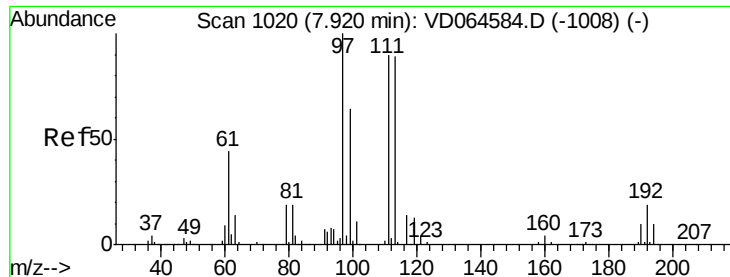
200000

100000

0

Time-->

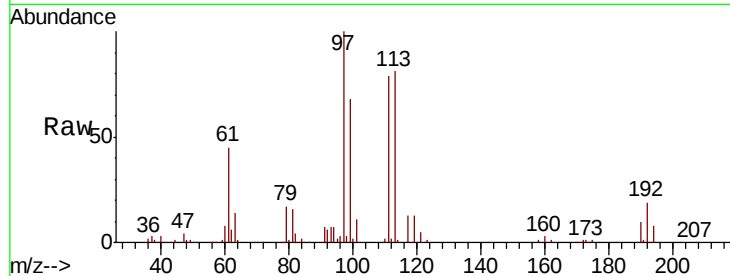




#35
 Dibromofluoromethane
 Concen: 48.191 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	121.0
192	23.5	17.9	26.9

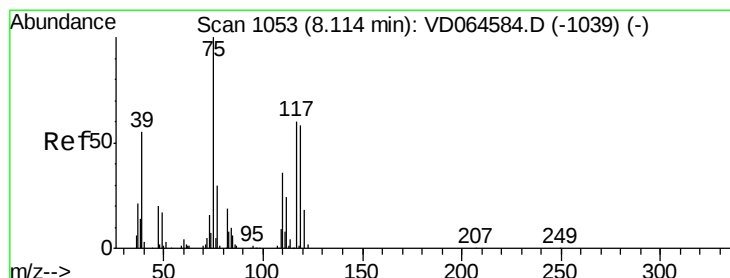
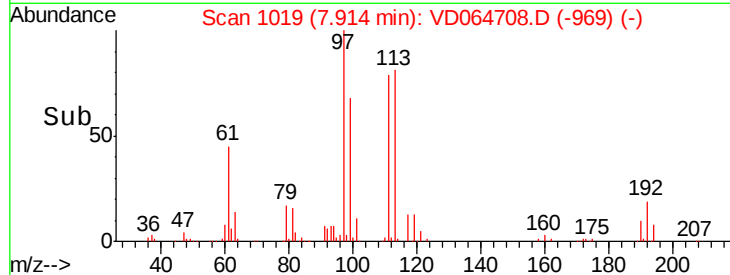
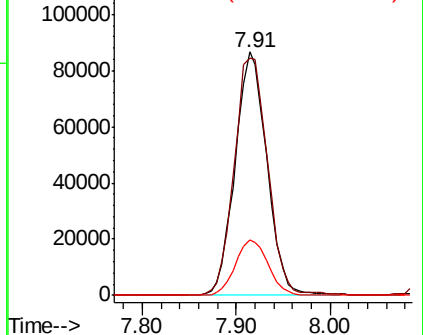


Abundance

Ion 112.80 (112.50 to 113.50): V

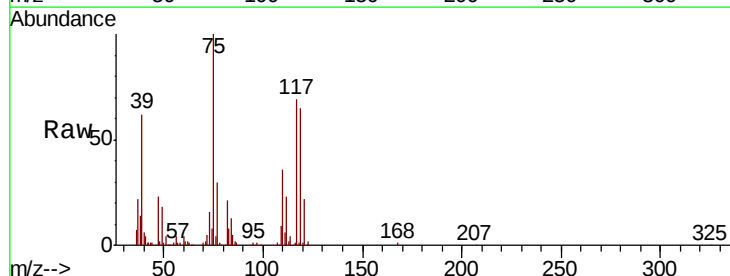
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 46.147 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.1	54.1
77	30.1	24.2	36.4

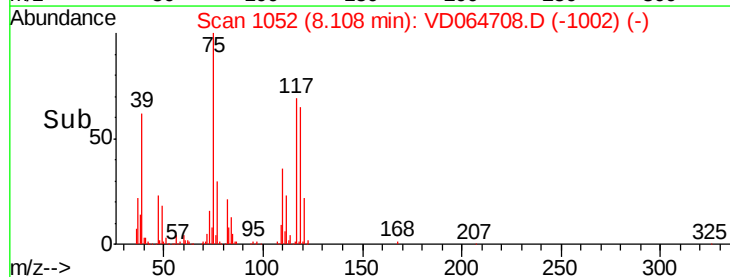
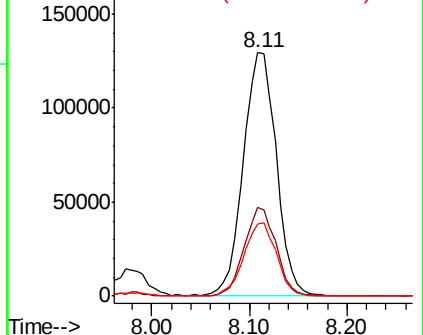


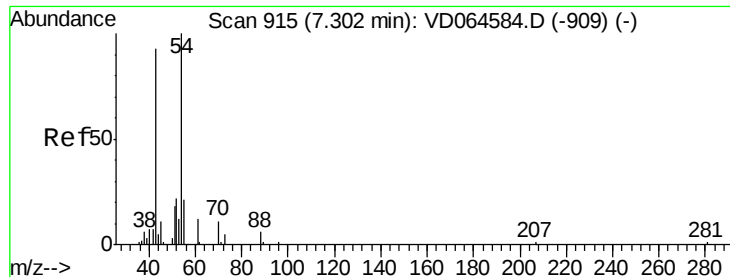
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

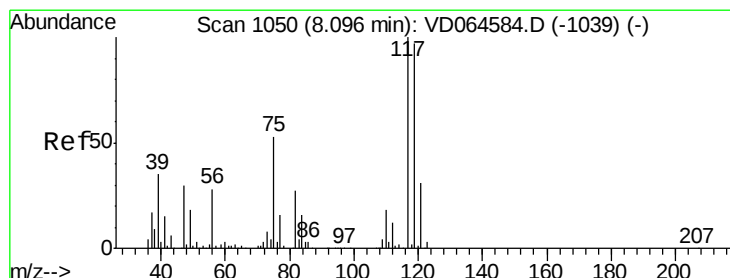
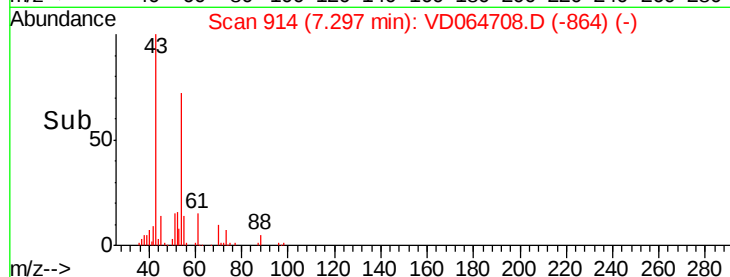
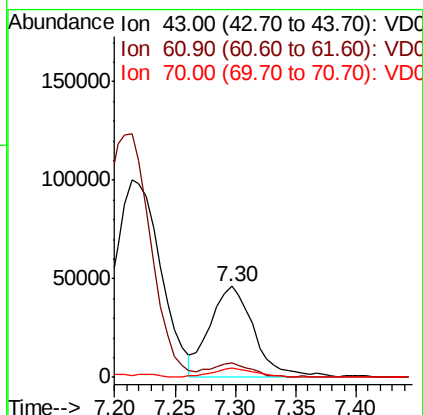
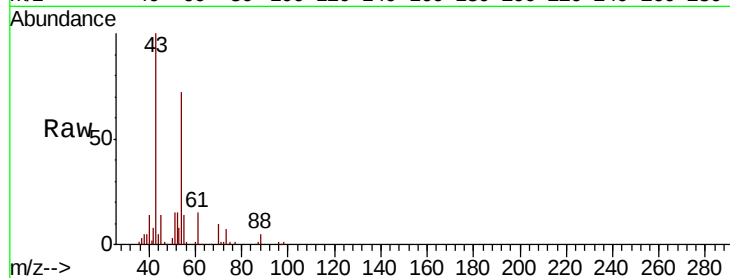




#37
Ethyl Acetate
Concen: 44.177 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

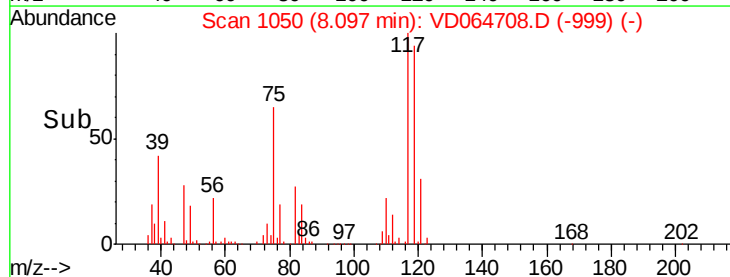
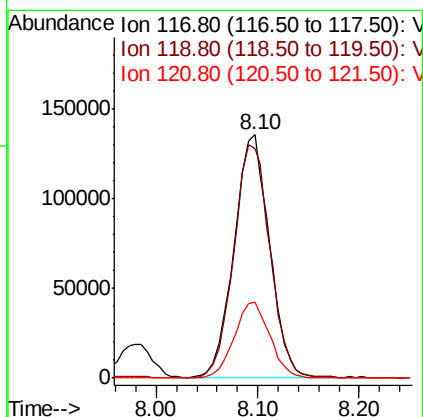
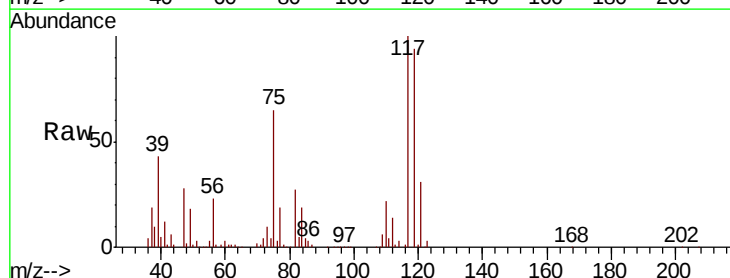
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

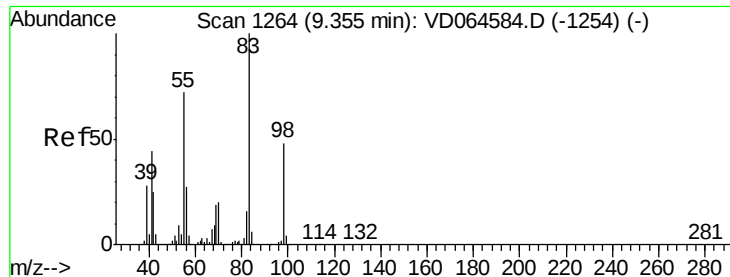
Tot Ion: 43 Resp: 114671
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 10.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 46.570 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 117 Resp: 328105
Ion Ratio Lower Upper
117 100
119 94.3 77.3 115.9
121 31.3 25.0 37.6

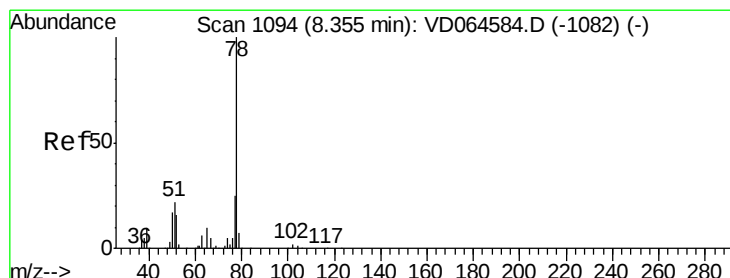
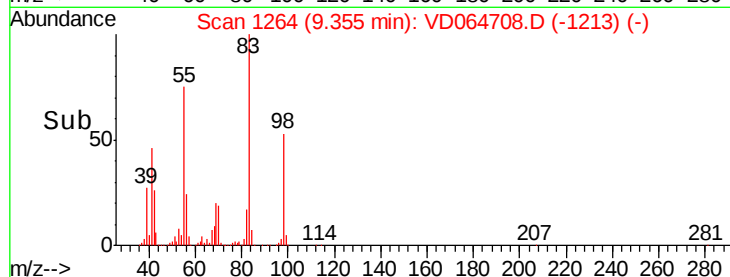
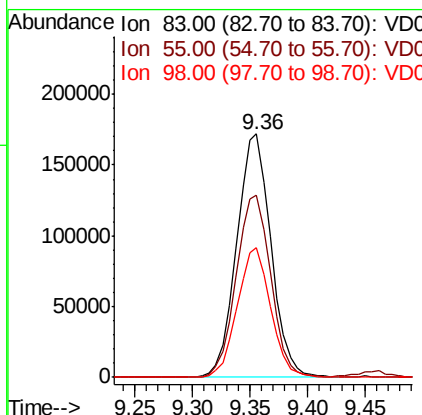
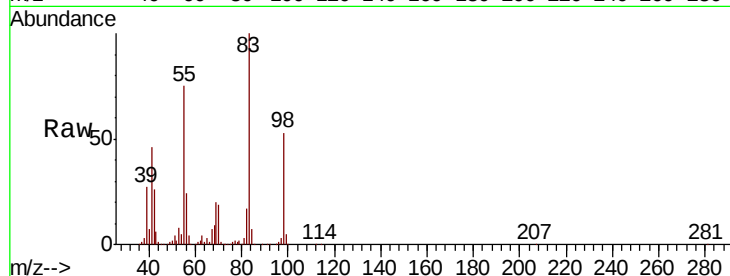




#39
Methvlcvclohexane
Concen: 44.363 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

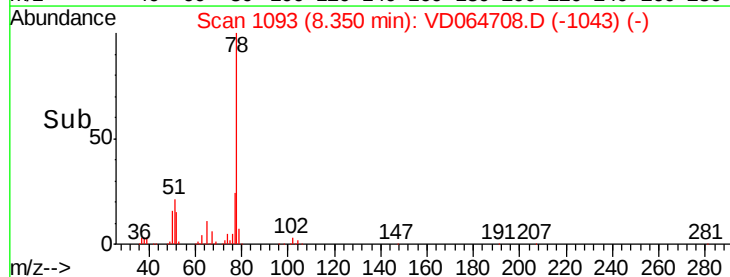
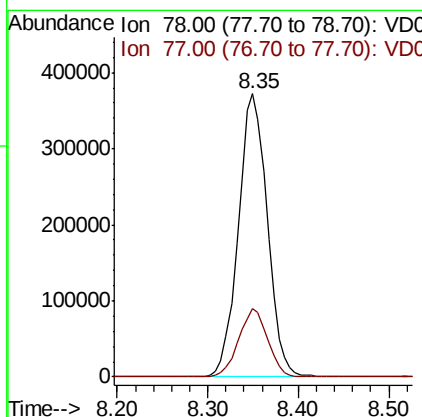
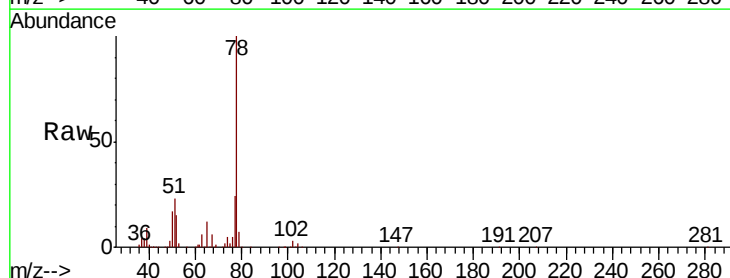
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

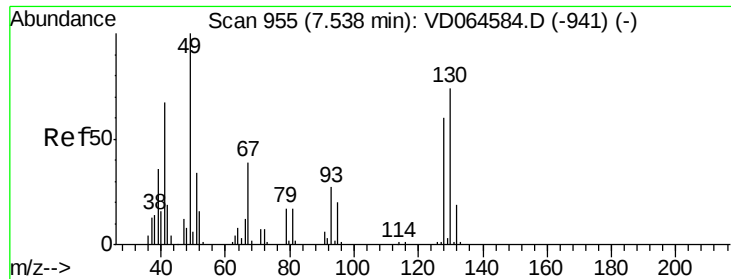
Tot Ion: 83 Resp: 355019
Ion Ratio Lower Upper
83 100
55 74.6 57.8 86.6
98 53.2 38.7 58.1



#40
Benzene
Concen: 45.773 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 78 Resp: 825616
Ion Ratio Lower Upper
78 100
77 24.2 19.9 29.9

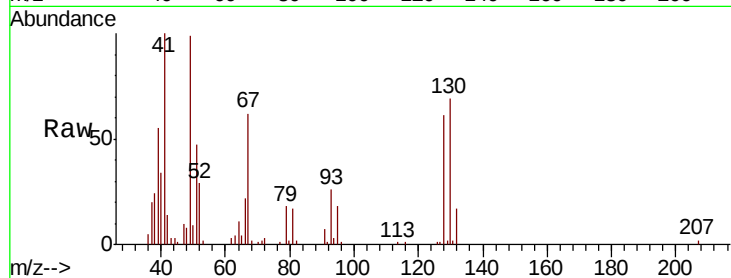




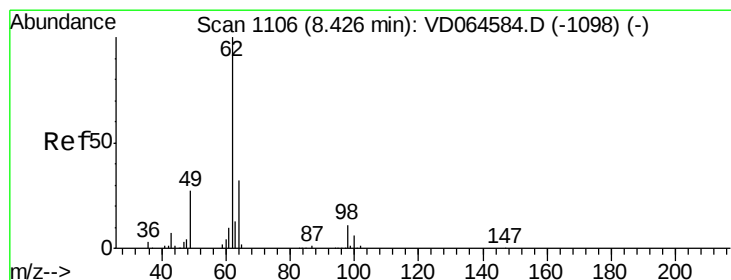
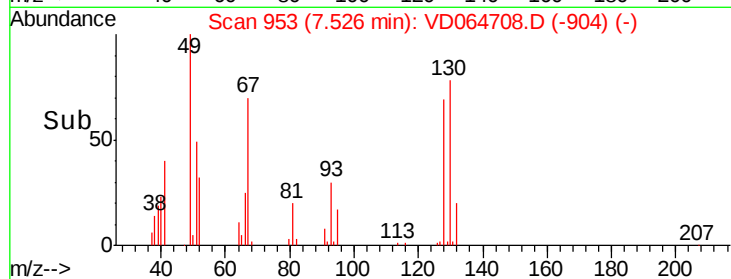
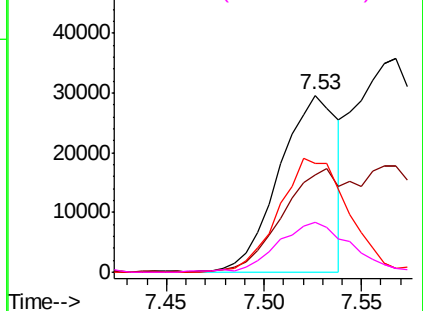
#41
Methacrylonitrile
Concen: 40.795 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 61439
Ion Ratio Lower Upper
41 100
39 73.3 46.7 70.1#
67 77.0 52.5 78.7
52 35.8 24.1 36.1

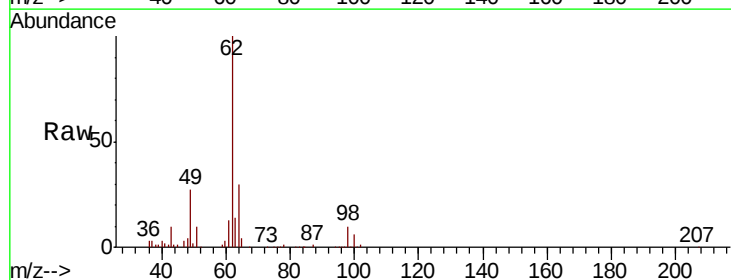


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

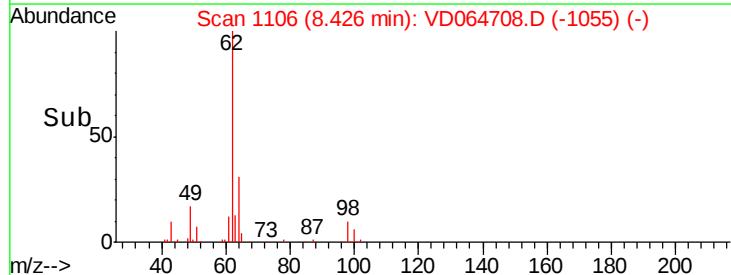
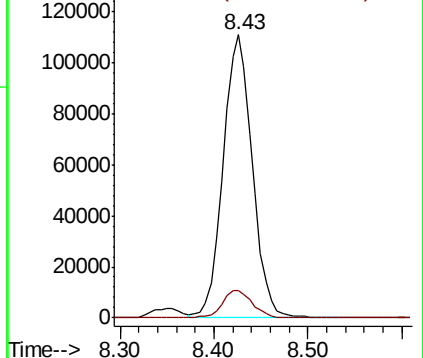


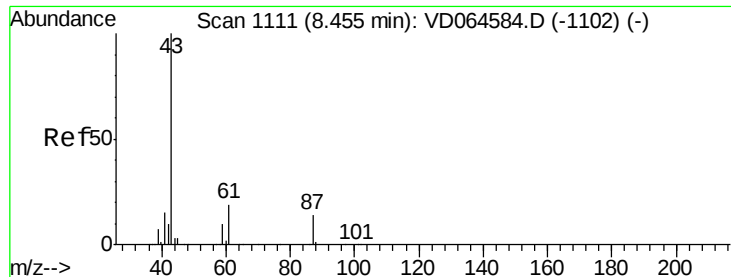
#42
1,2-Dichloroethane
Concen: 45.835 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 62 Resp: 238909
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 43.697 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

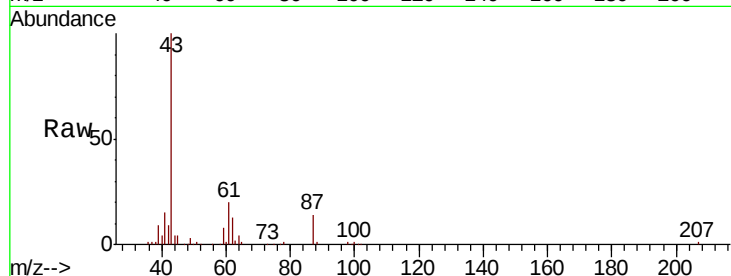
Tot Ion: 43 Resp: 225761

Ion Ratio Lower Upper

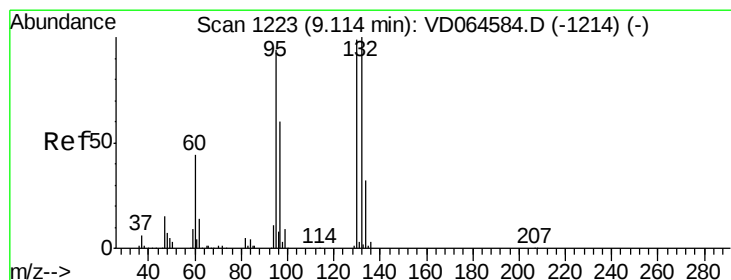
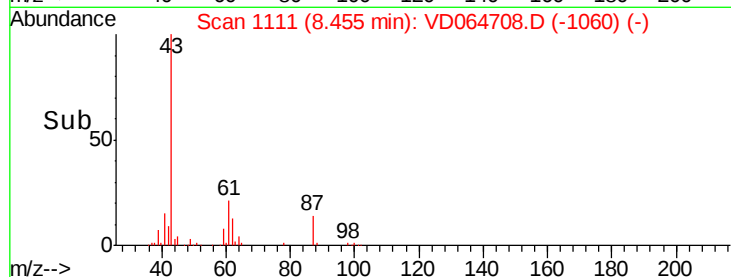
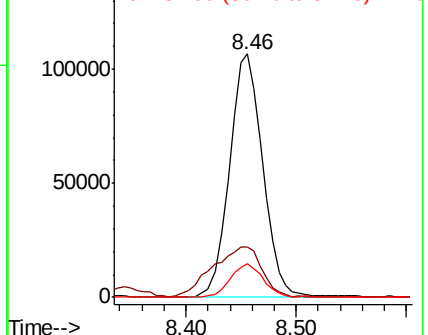
43 100

61 30.5 23.7 35.5

87 13.5 10.5 15.7



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



#44

Trichloroethene

Concen: 45.619 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064708.D

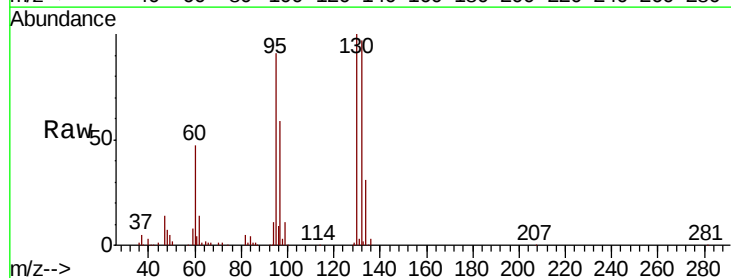
Acq: 02 Jan 2020 10:26

Tgt Ion:130 Resp: 241729

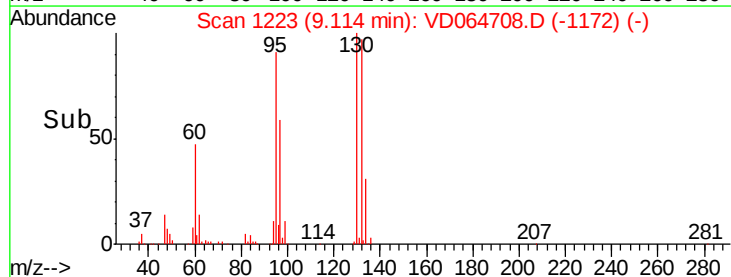
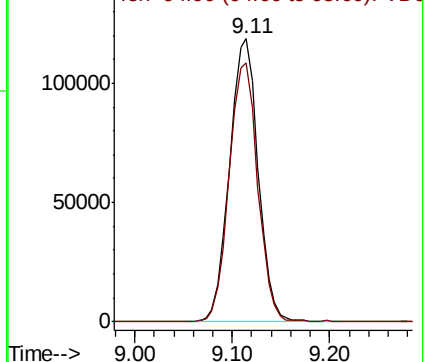
Ion Ratio Lower Upper

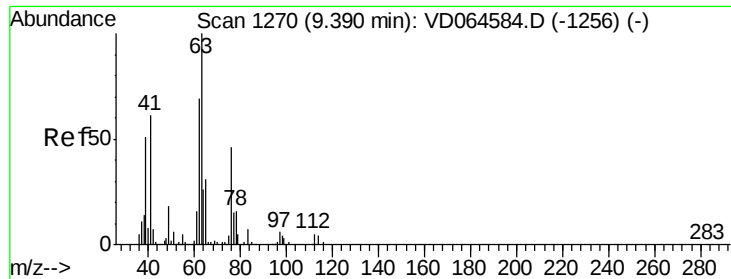
130 100

95 91.3 0.0 190.2



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

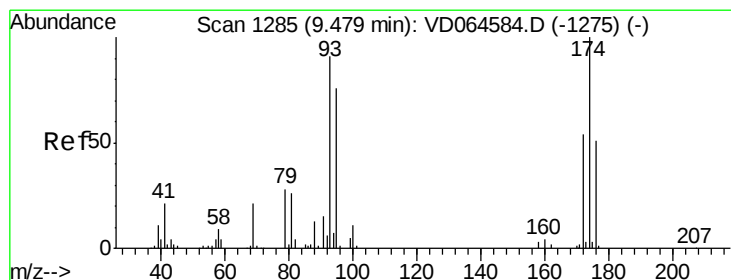
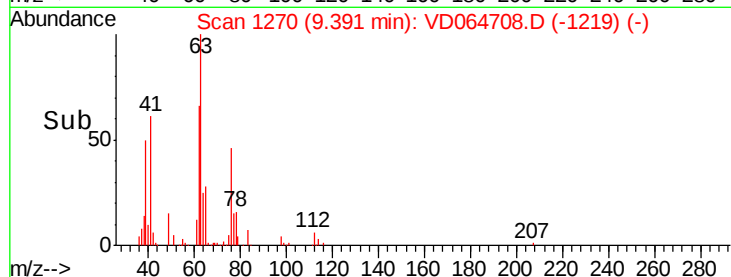
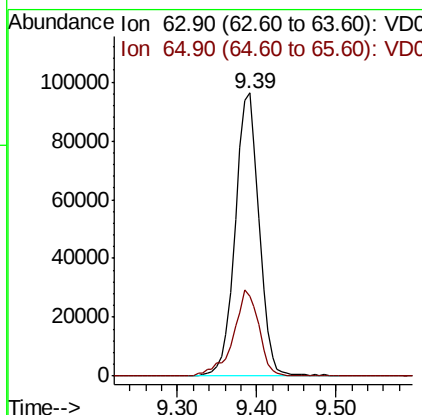
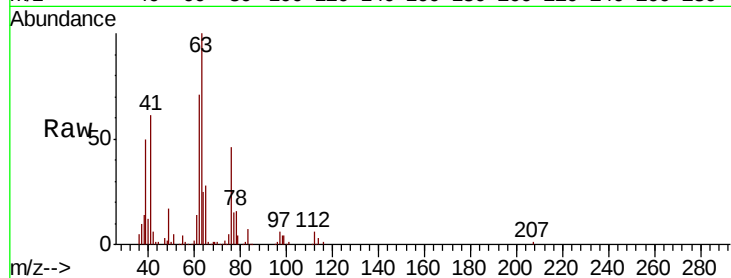




#45
 1,2-Dichloropropane
 Concen: 46.645 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

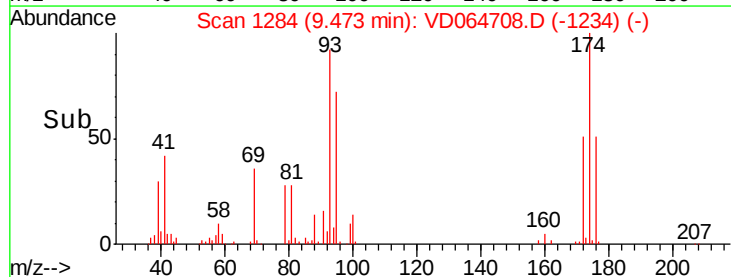
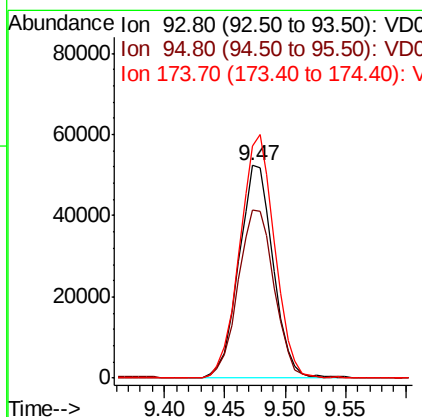
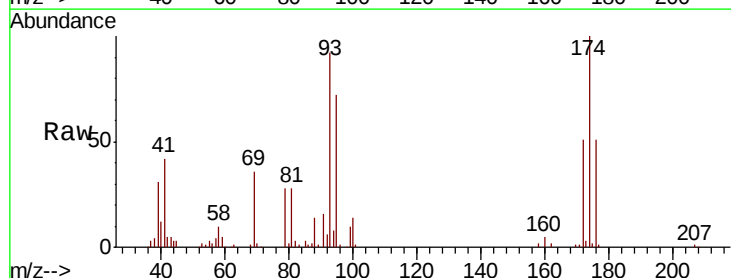
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

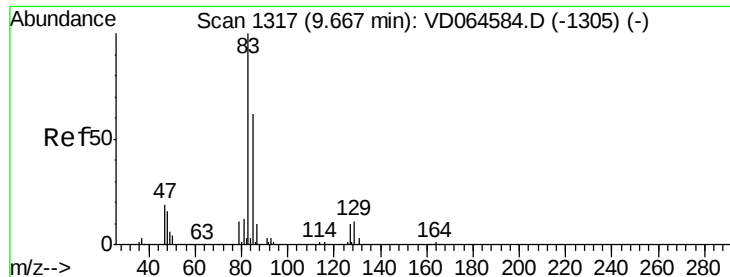
Tot Ion: 63 Resp: 200882
 Ion Ratio Lower Upper
 63 100
 65 28.2 25.2 37.8



#46
 Dibromomethane
 Concen: 43.400 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion: 93 Resp: 104207
 Ion Ratio Lower Upper
 93 100
 95 83.3 64.6 97.0
 174 115.5 88.1 132.1





#47

Bromodichloromethane

Concen: 45.629 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

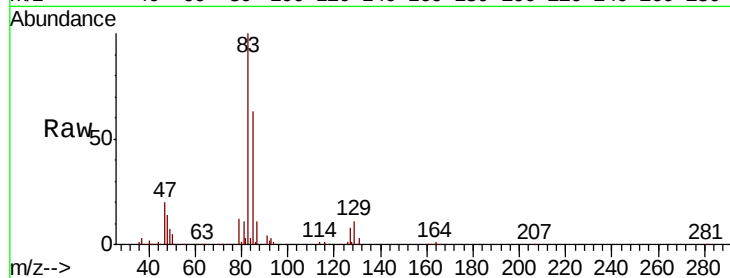
Tot Ion: 83 Resp: 291535

Ion Ratio Lower Upper

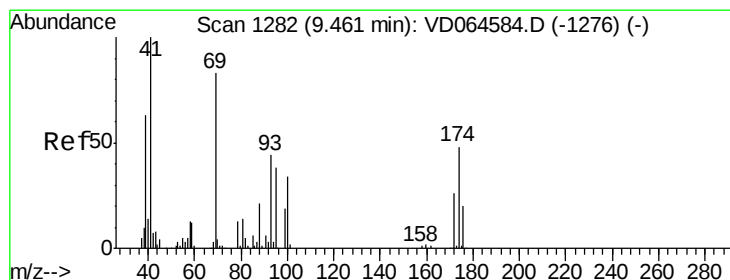
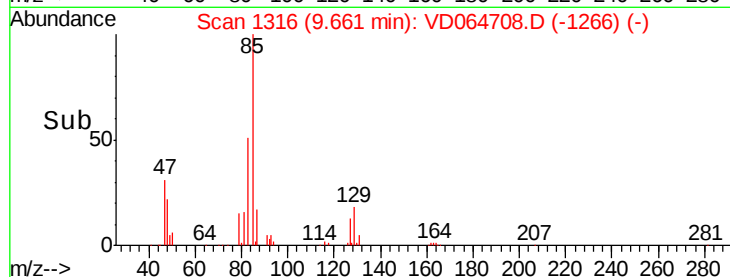
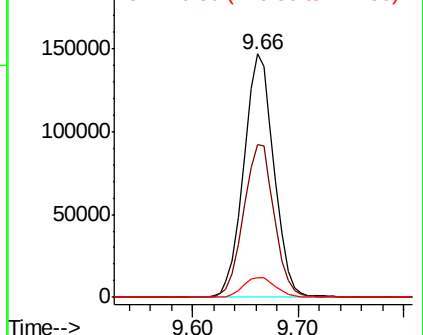
83 100

85 62.7 49.5 74.3

127 8.2 7.8 11.6



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



#48

Methyl methacrylate

Concen: 41.970 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

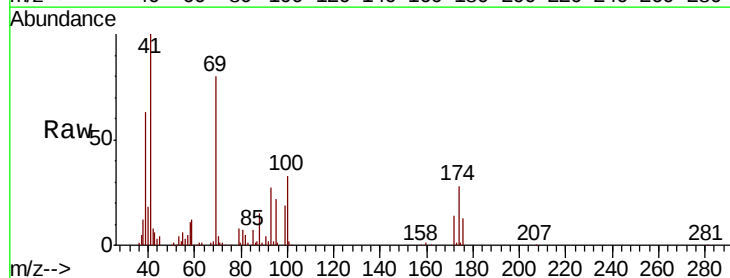
Tgt Ion: 41 Resp: 102099

Ion Ratio Lower Upper

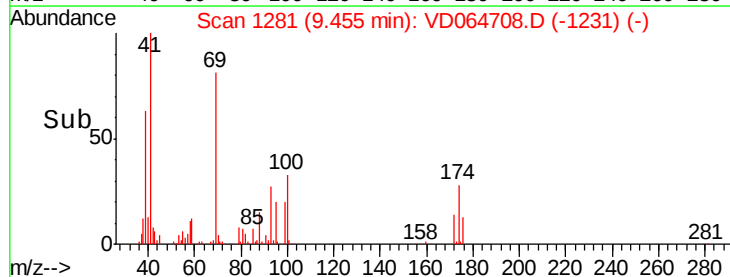
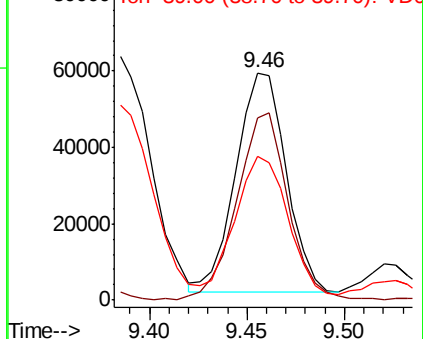
41 100

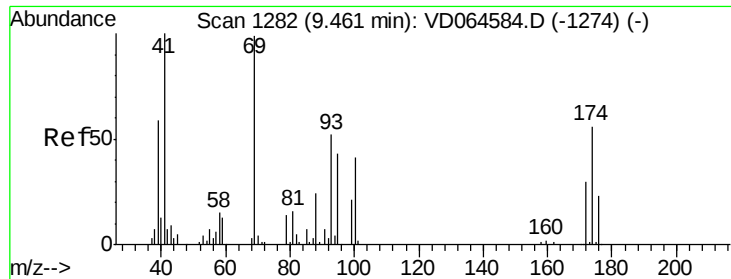
69 87.2 63.0 94.6

39 66.2 47.4 71.2



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

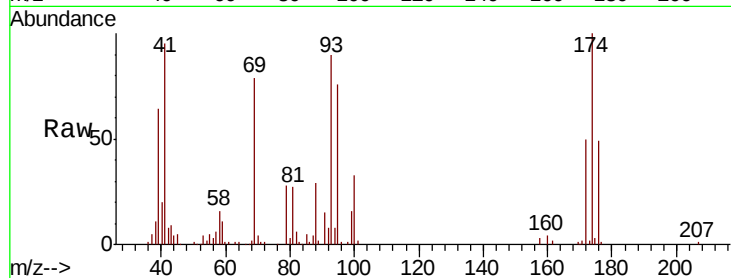




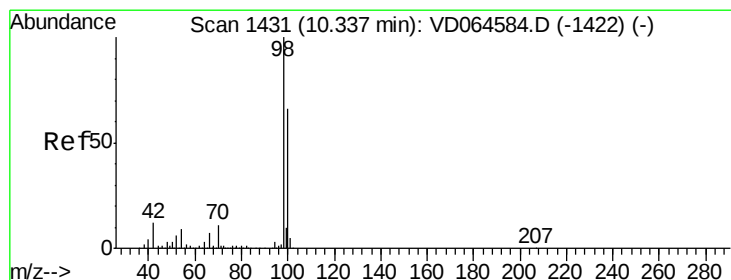
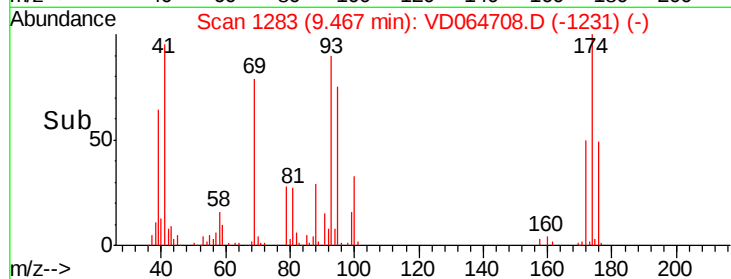
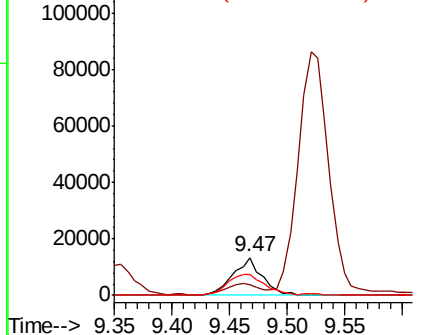
#49
 1,4-Dioxane
 Concen: 857.824 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 23750
 Ion Ratio Lower Upper
 88 100
 43 34.4 27.7 41.5
 58 69.1 53.8 80.6

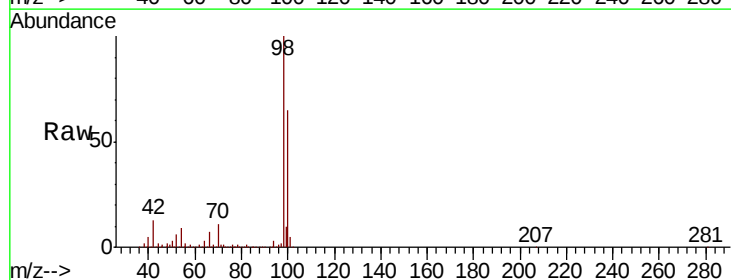


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

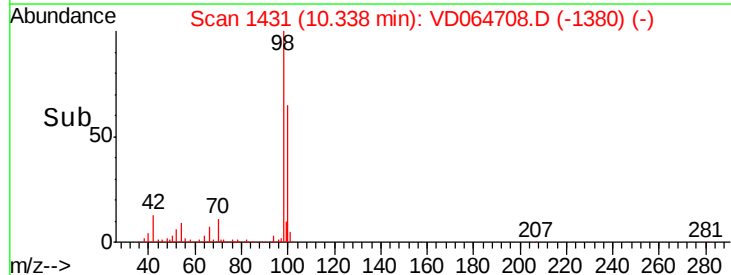
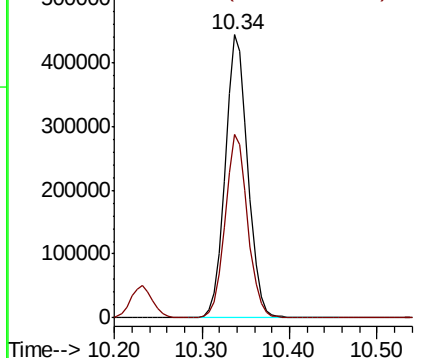


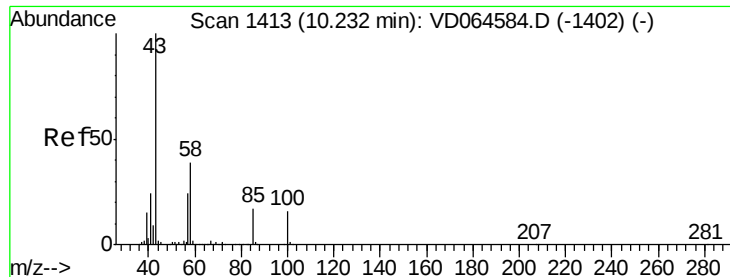
#50
 Toluene-d8
 Concen: 48.540 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion: 98 Resp: 782961
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.7 77.5



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

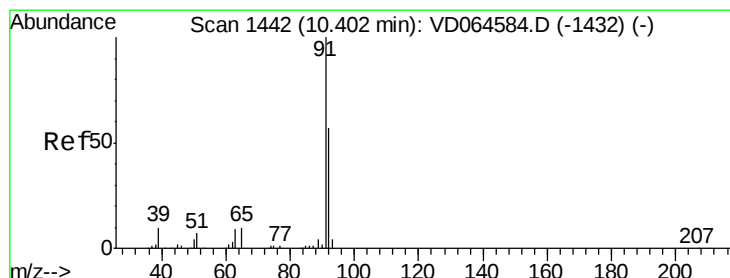
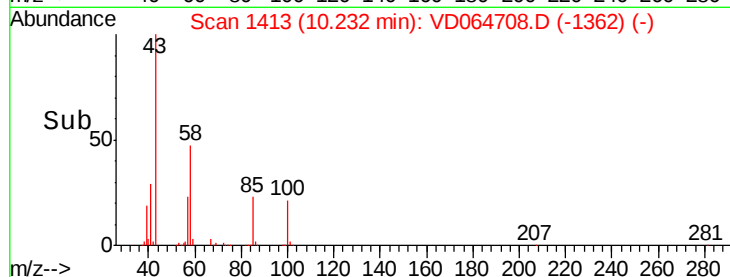
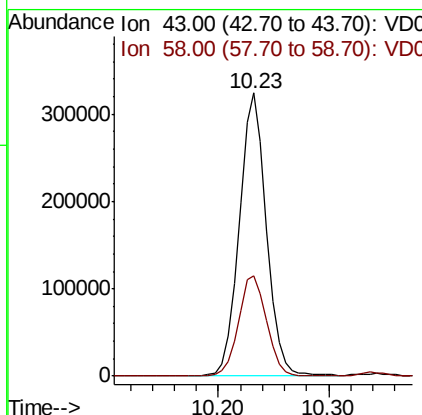
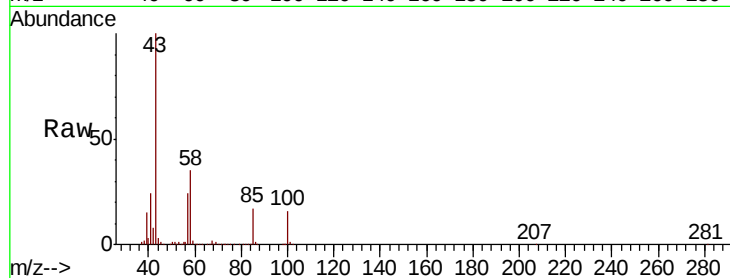




#51
4-Methyl-2-Pentanone
Concen: 218.893 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

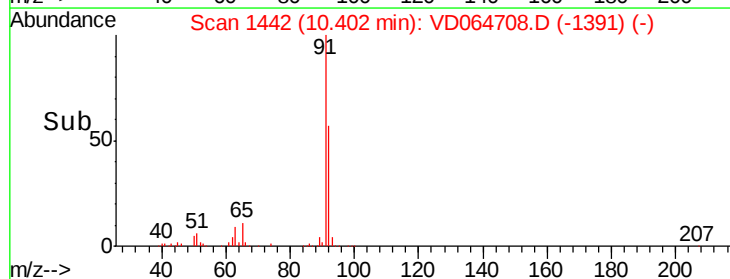
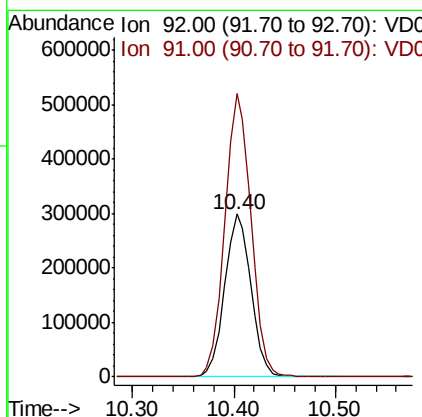
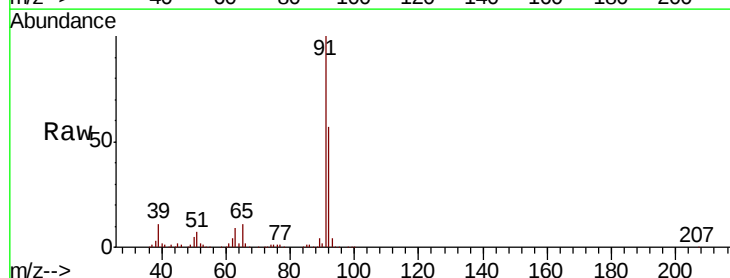
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

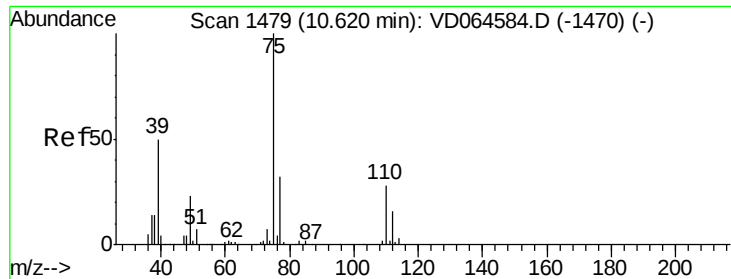
Tot Ion: 43 Resp: 558988
Ion Ratio Lower Upper
43 100
58 36.8 30.2 45.2



#52
Toluene
Concen: 45.473 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 92 Resp: 538126
Ion Ratio Lower Upper
92 100
91 173.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 47.016 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

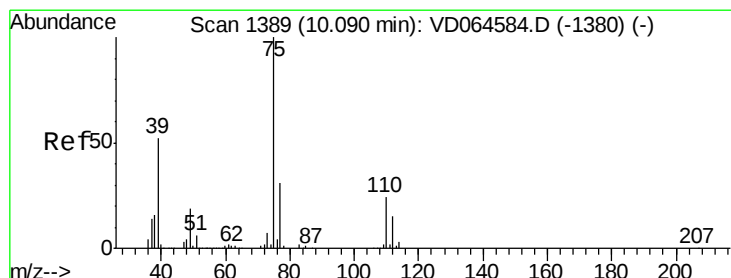
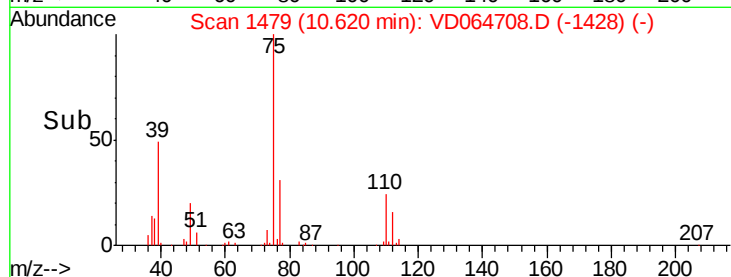
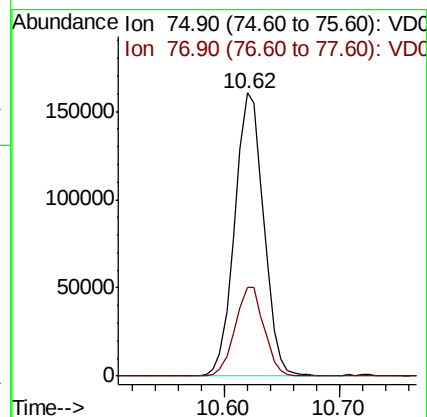
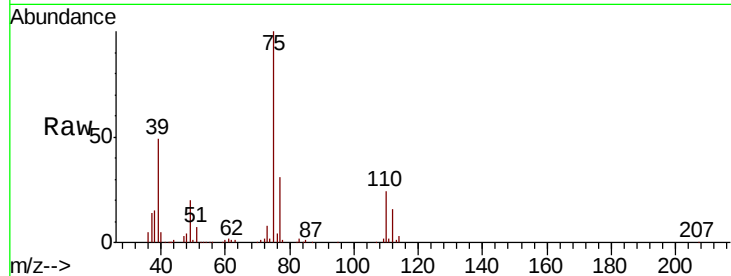
VSTDCCC050

Tot Ion: 75 Resp: 280066

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 46.317 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

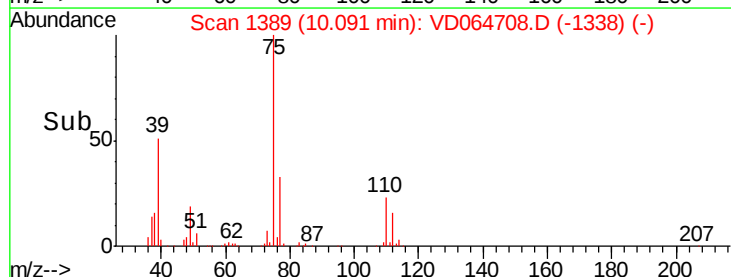
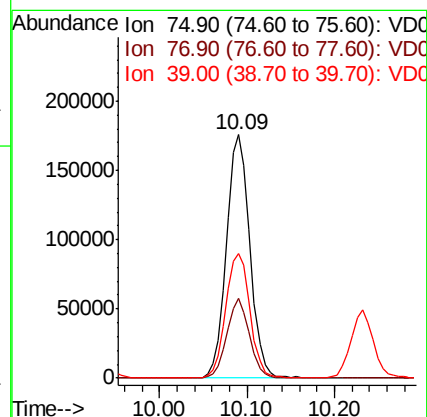
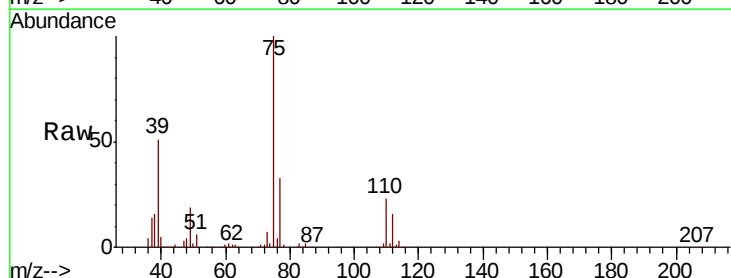
Tgt Ion: 75 Resp: 325328

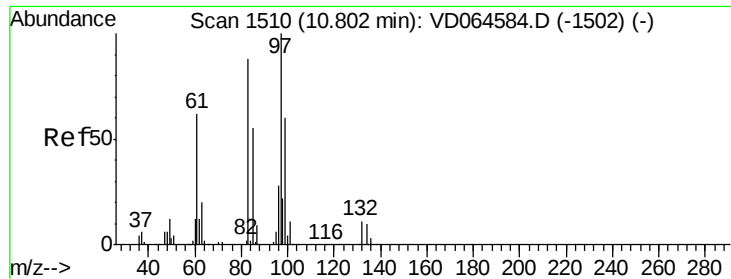
Ion Ratio Lower Upper

75 100

77 32.7 24.6 36.8

39 50.9 41.4 62.2

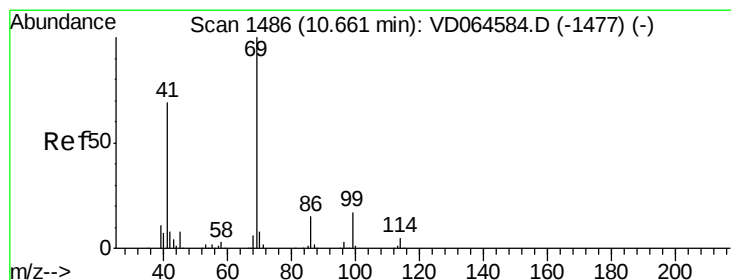
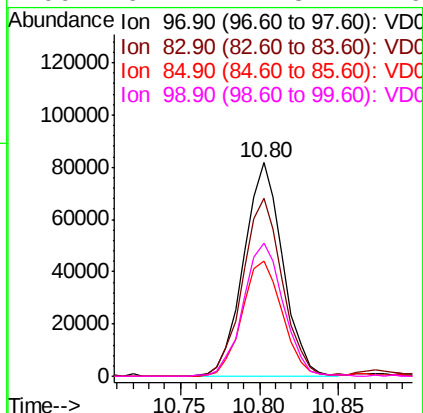
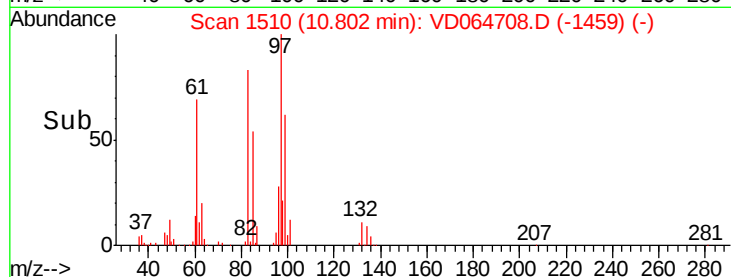
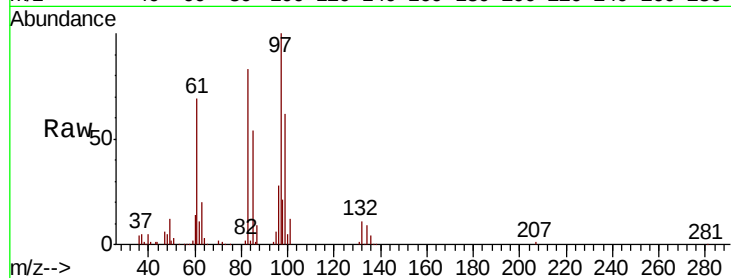




#55
 1,1,2-Trichloroethane
 Concen: 43.392 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

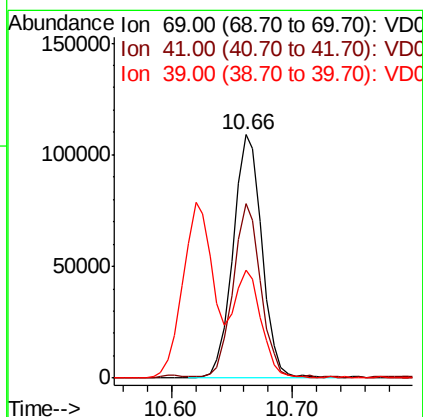
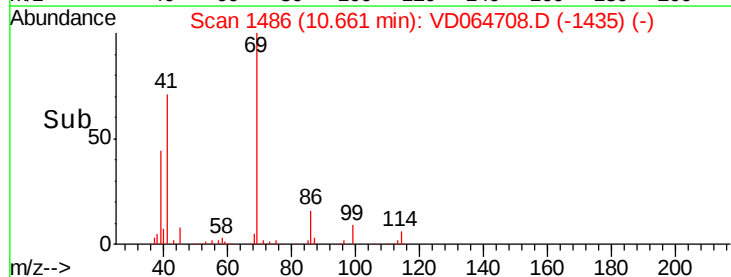
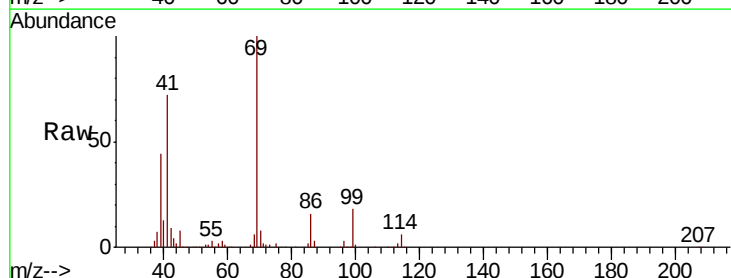
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

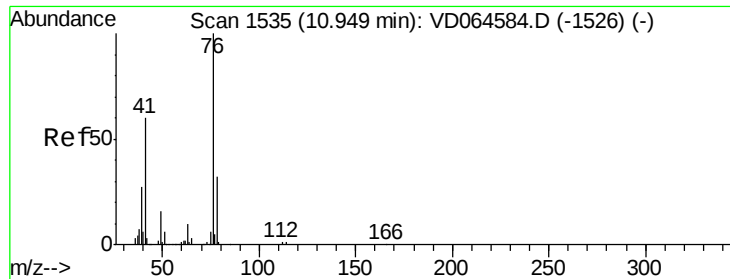
Tot Ion: 97 Resp: 140412
 Ion Ratio Lower Upper
 97 100
 83 83.4 70.2 105.4
 85 54.1 44.0 66.0
 99 62.2 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 44.942 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion: 69 Resp: 181619
 Ion Ratio Lower Upper
 69 100
 41 67.3 55.3 82.9
 39 41.5 33.8 50.8

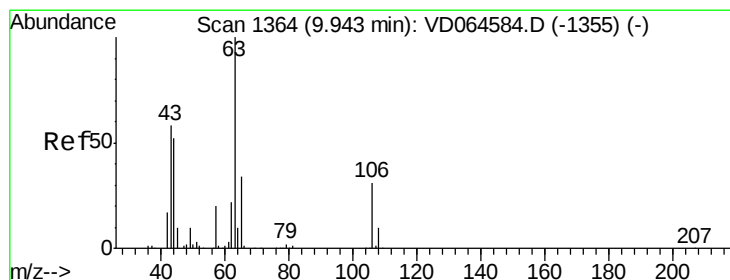
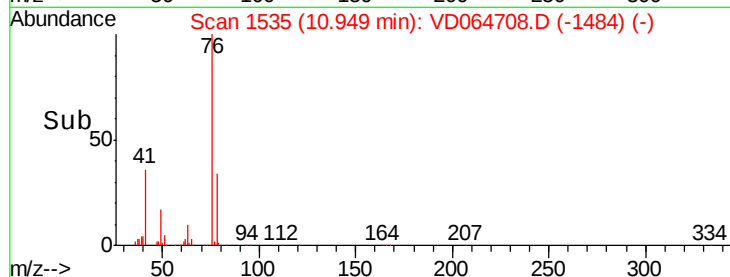
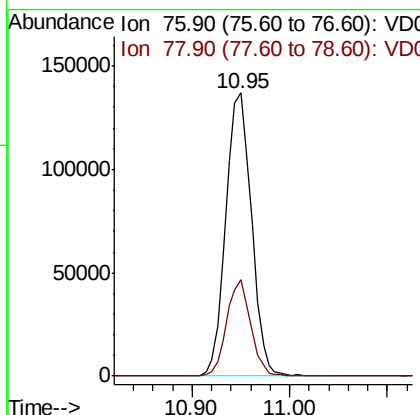
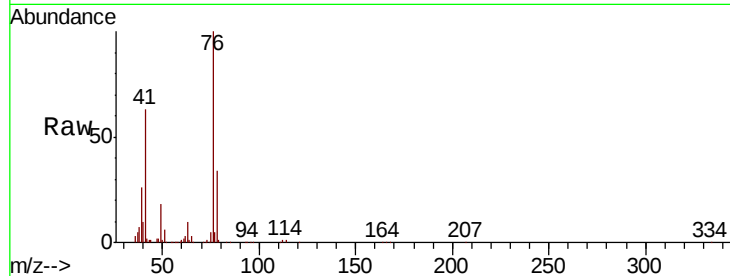




#57
 1,3-Dichloropropane
 Concen: 45.031 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

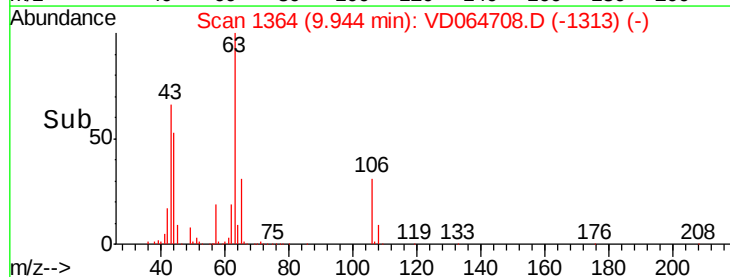
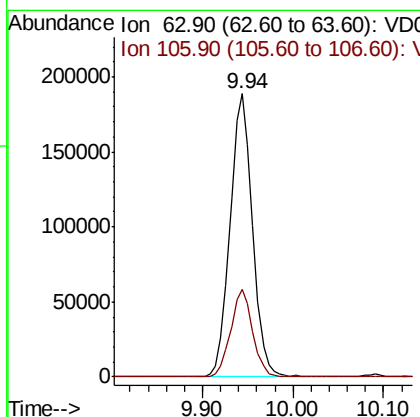
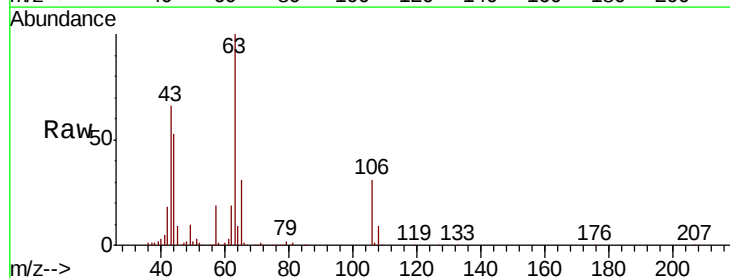
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

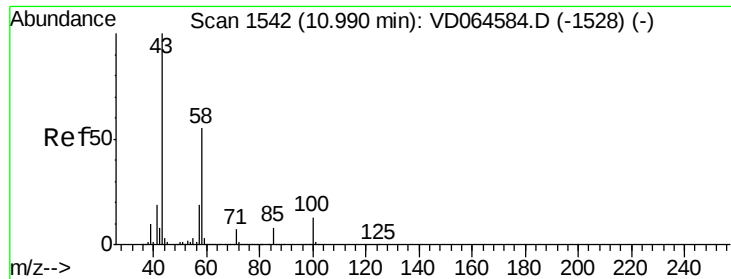
Tot Ion: 76 Resp: 250892
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.369 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion: 63 Resp: 325439
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8

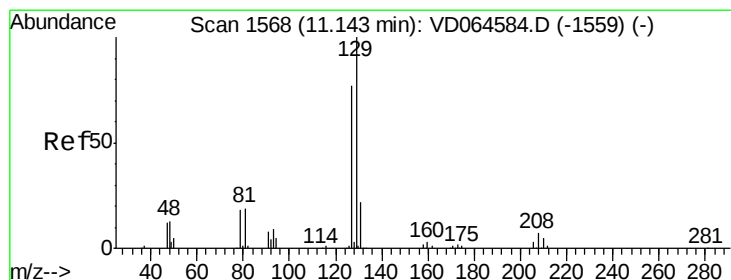
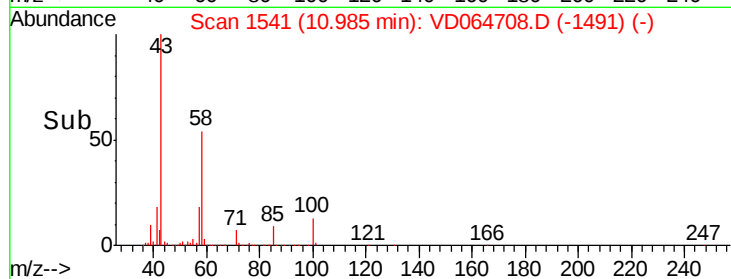
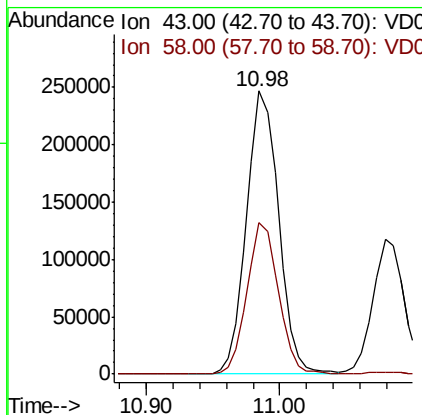
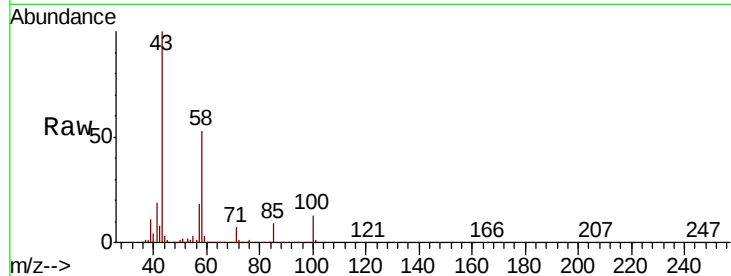




#59
2-Hexanone
Concen: 238.266 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

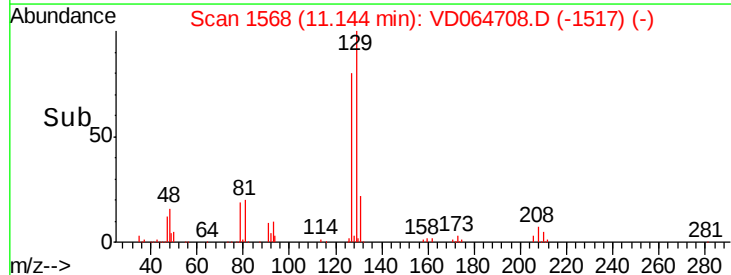
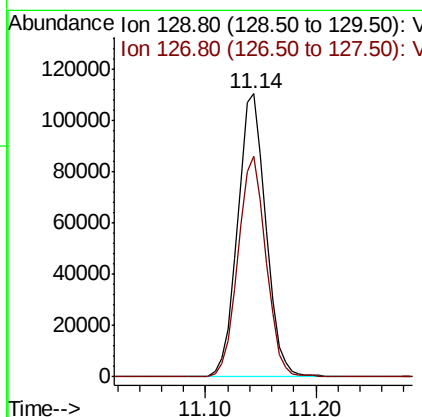
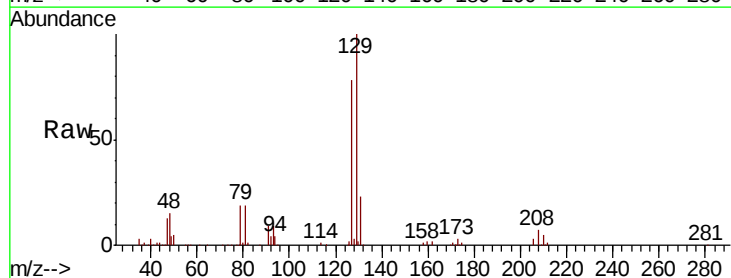
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

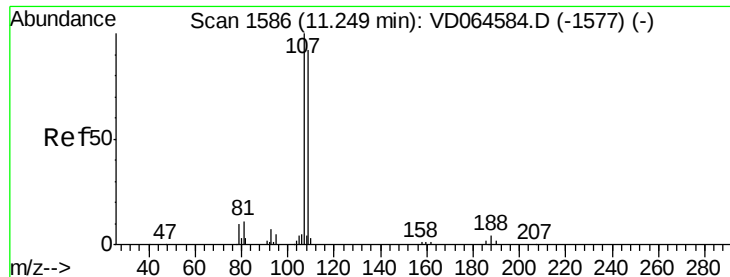
Tot Ion: 43 Resp: 412974
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0



#60
Dibromochloromethane
Concen: 44.482 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 129 Resp: 199049
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 44.192 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

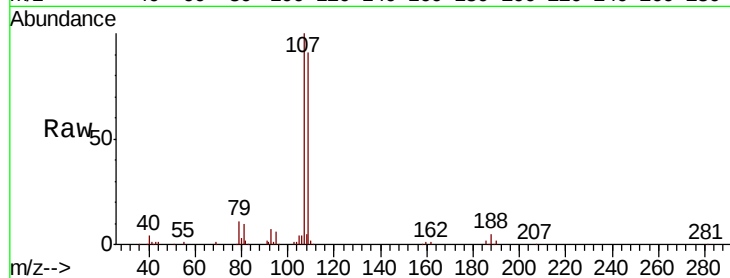
VSTDCCC050

Tot Ion:107 Resp: 141045

Ion Ratio Lower Upper

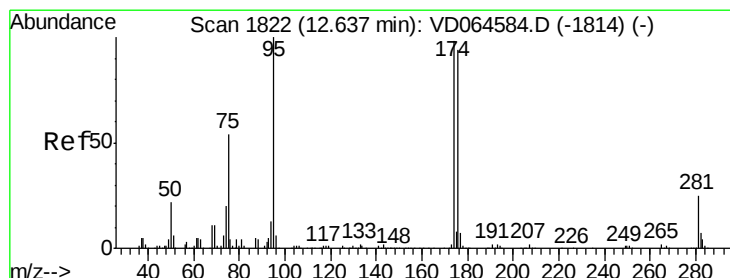
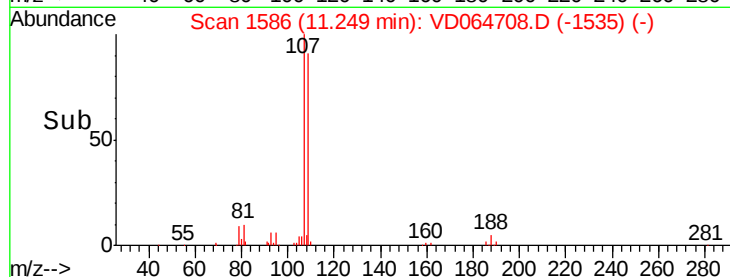
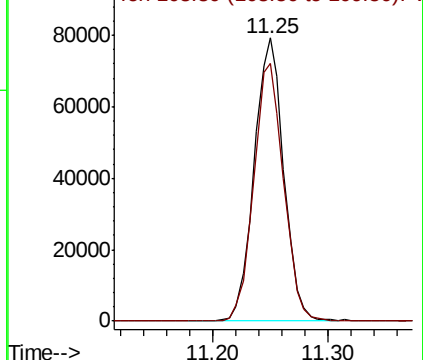
107 100

109 92.4 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.154 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

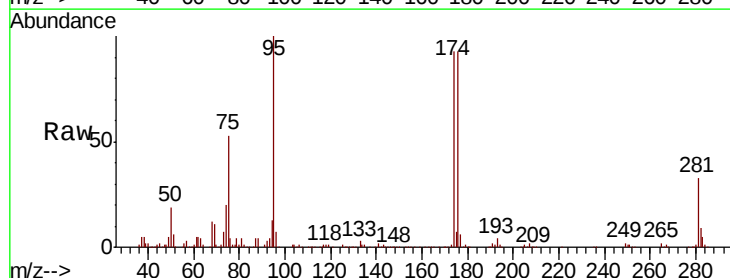
Tgt Ion: 95 Resp: 250711

Ion Ratio Lower Upper

95 100

174 93.6 0.0 193.2

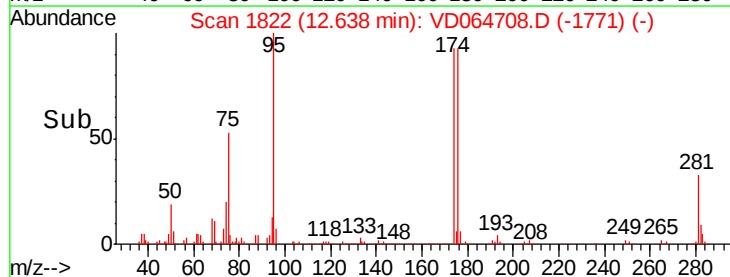
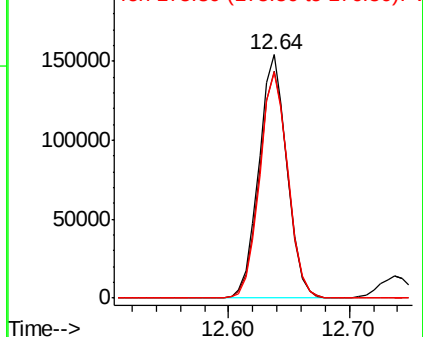
176 92.7 0.0 184.2

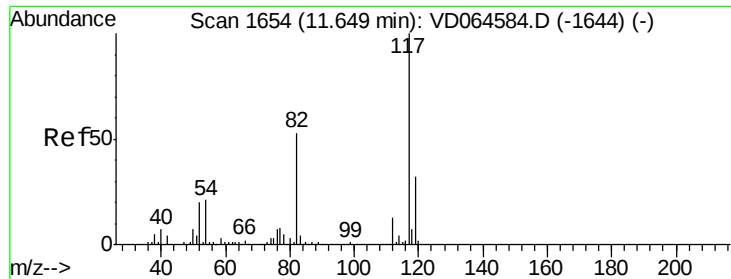


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

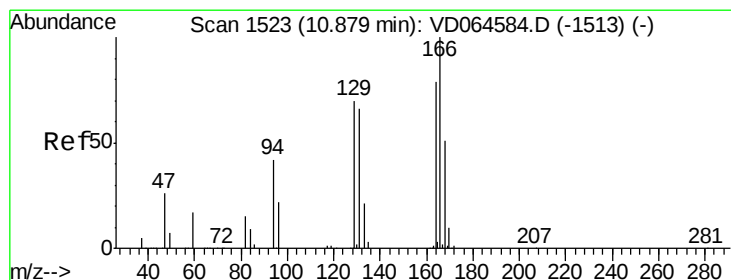
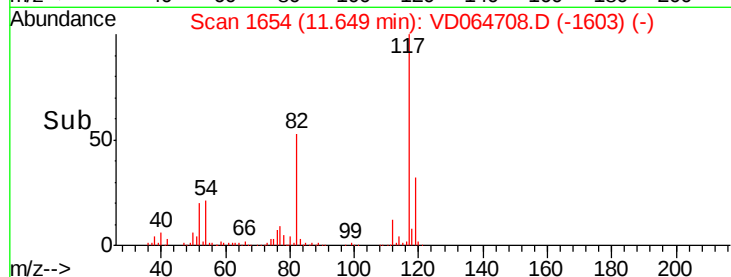
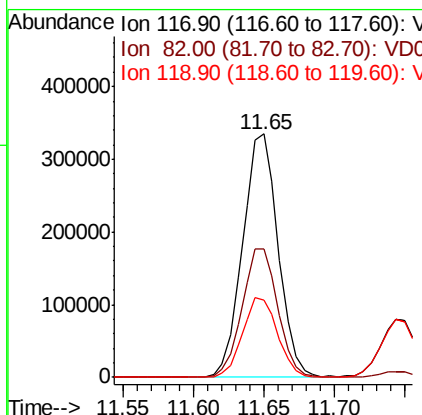
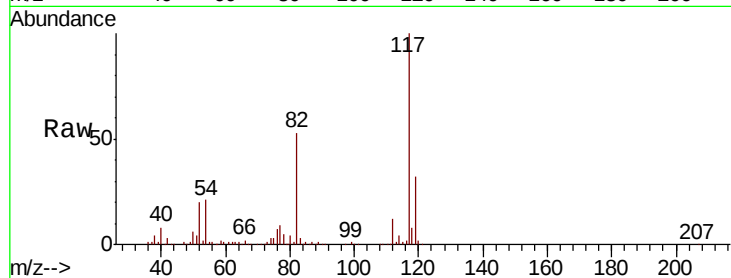




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

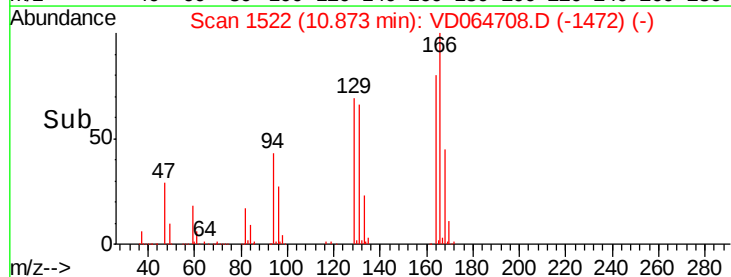
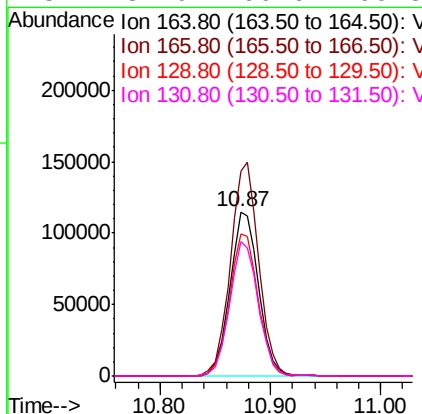
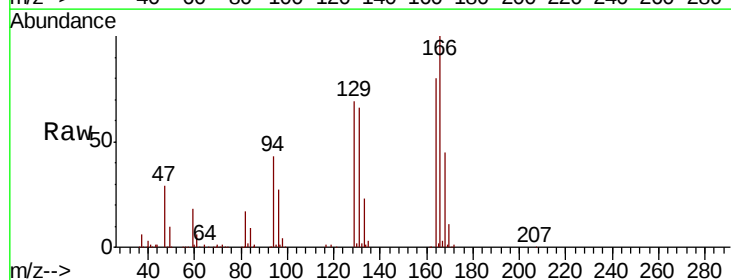
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

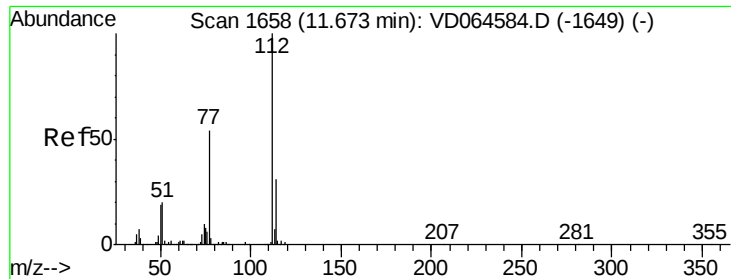
Tot Ion:117 Resp: 589888
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 46.043 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion:164 Resp: 208369
Ion Ratio Lower Upper
164 100
166 124.4 101.3 151.9
129 86.3 70.5 105.7
131 81.9 66.6 99.8

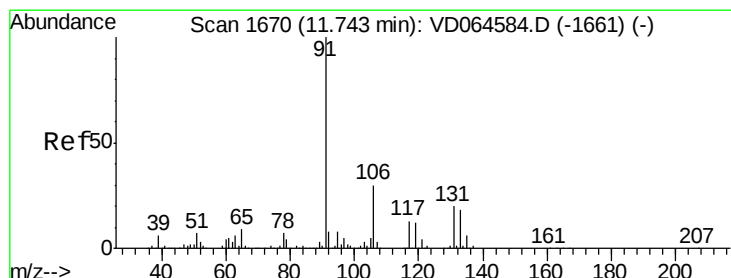
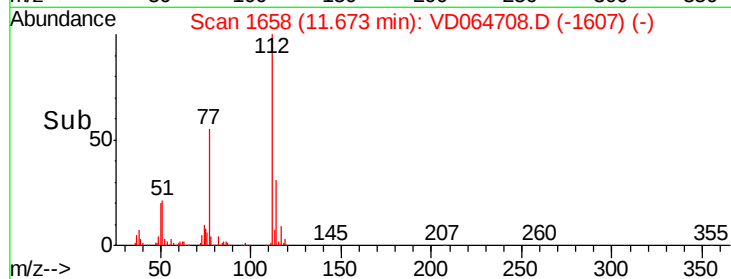
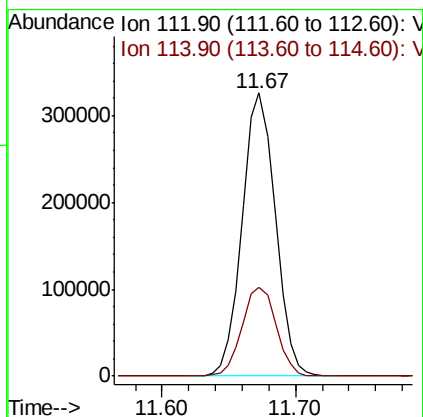
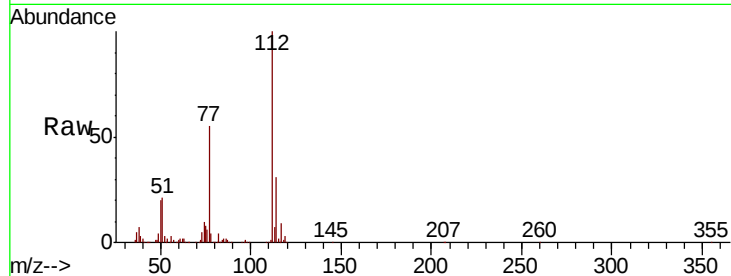




#65
Chlorobenzene
Concen: 45.839 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

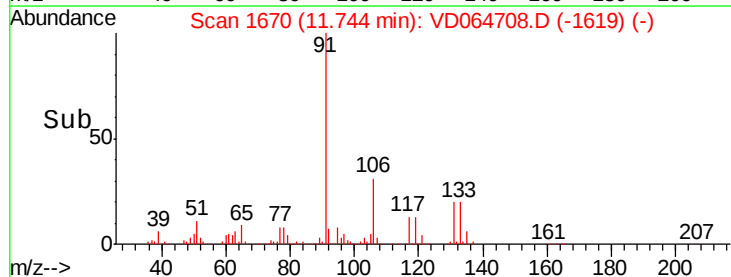
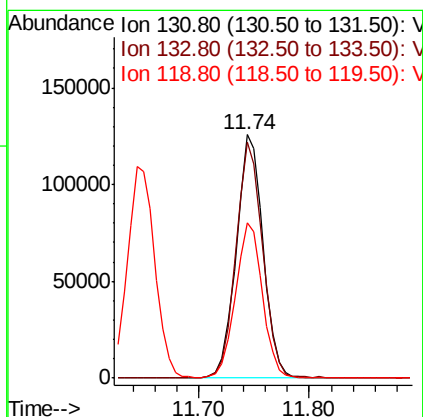
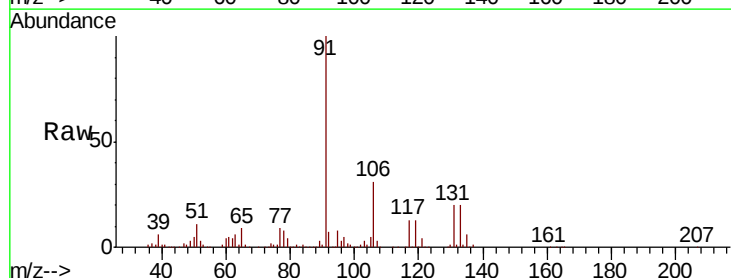
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

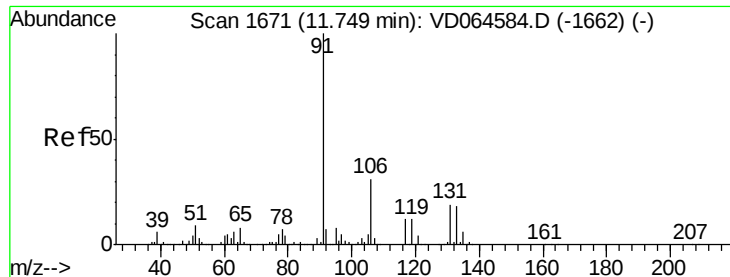
Tot Ion:112 Resp: 561203
Ion Ratio Lower Upper
112 100
114 31.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 46.575 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion:131 Resp: 214965
Ion Ratio Lower Upper
131 100
133 96.7 48.3 144.8
119 64.3 32.1 96.3

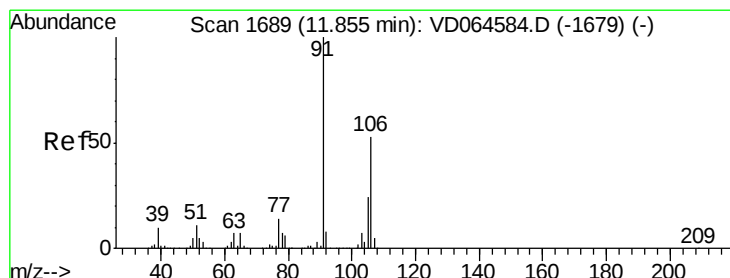
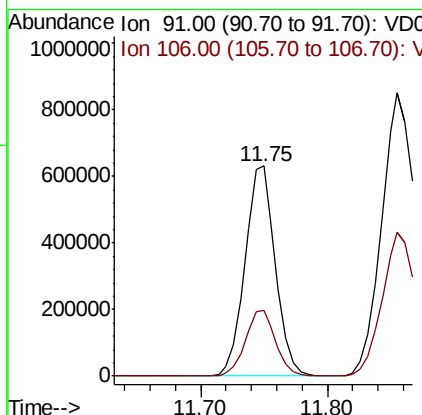
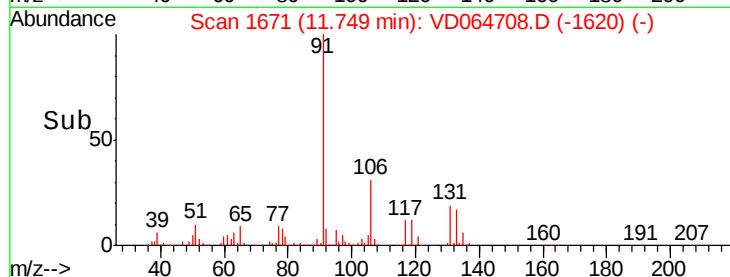
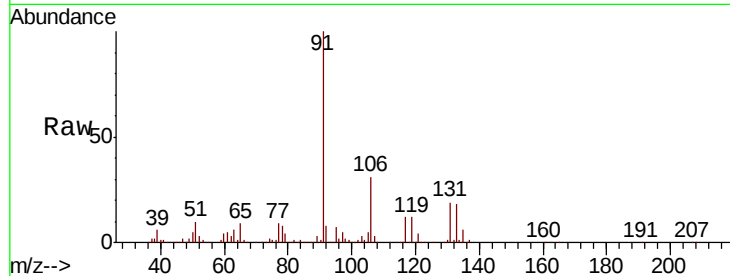




#67
Ethyl Benzene
Concen: 47.036 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

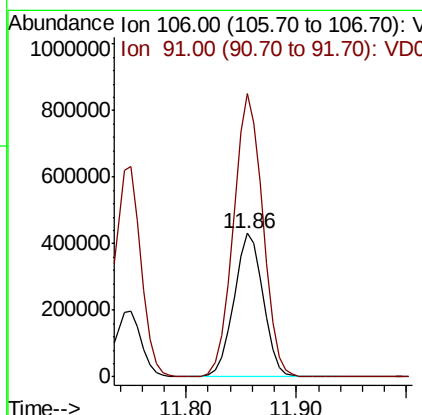
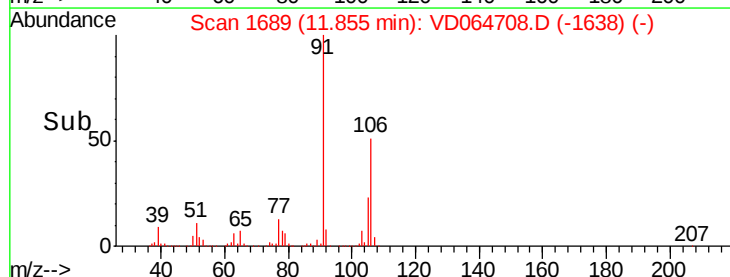
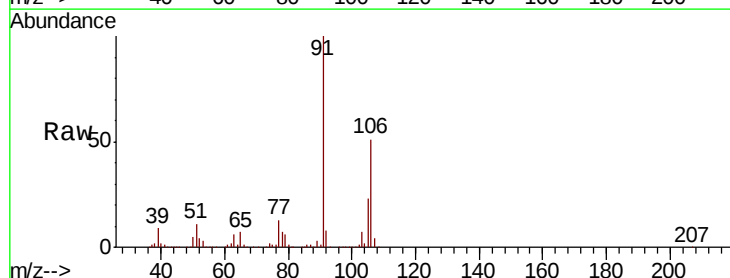
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

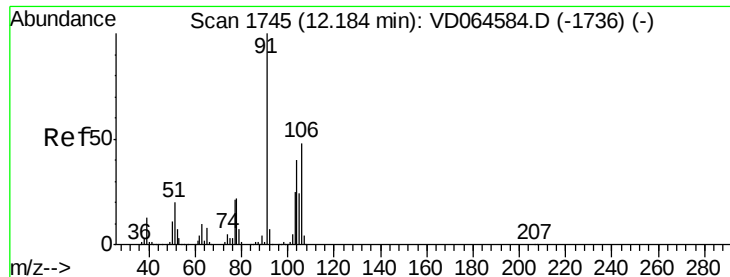
Tot Ion: 91 Resp: 1045238
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#68
m/p-Xylenes
Concen: 93.430 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 106 Resp: 801365
Ion Ratio Lower Upper
106 100
91 198.1 156.3 234.5

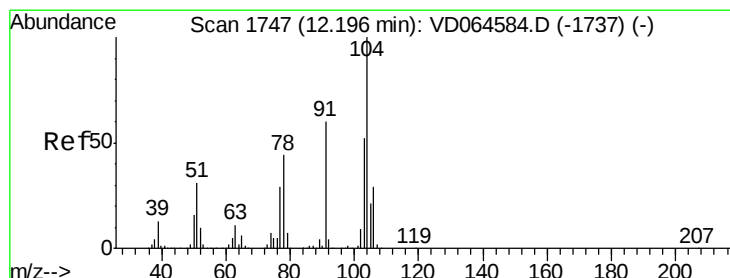
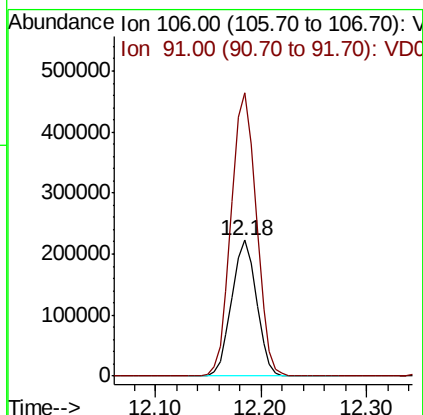
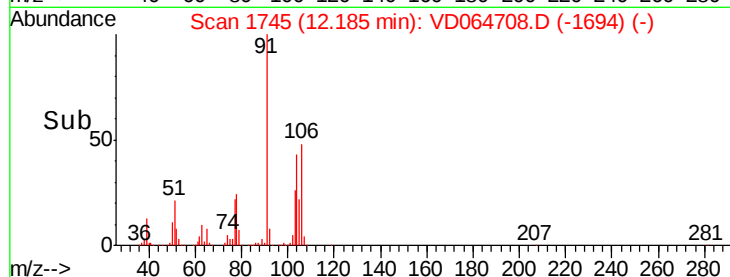
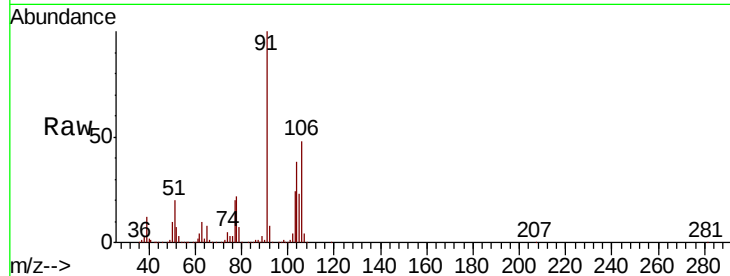




#69
o-Xylene
Concen: 47.040 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

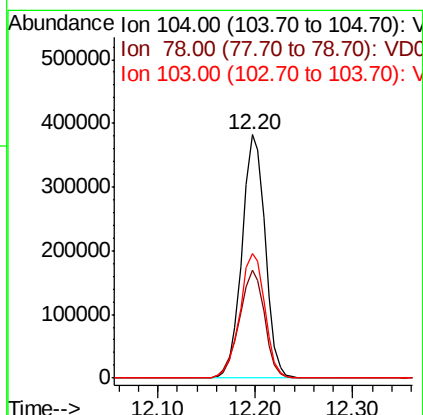
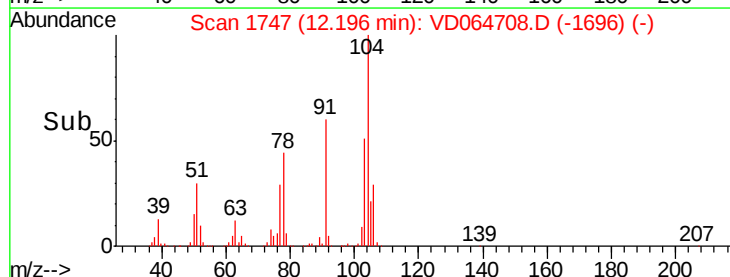
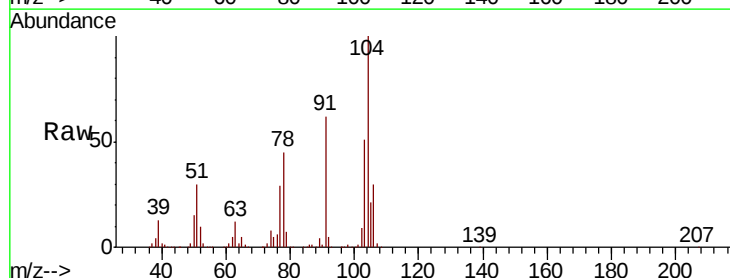
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

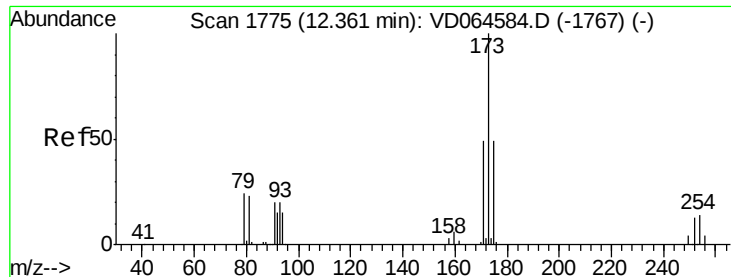
Tot Ion:106 Resp: 364434
Ion Ratio Lower Upper
106 100
91 210.3 104.8 314.4



#70
Styrene
Concen: 46.591 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion:104 Resp: 633577
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.2 44.6 67.0





#71

Bromoform

Concen: 44.566 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

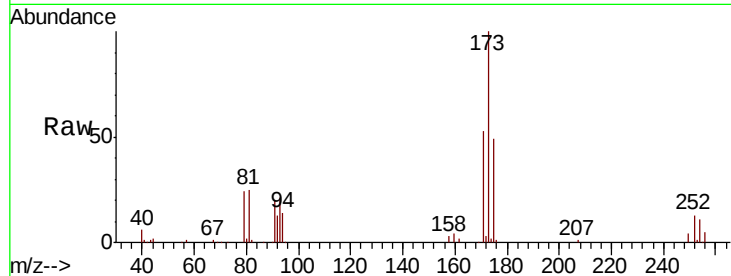
Tot Ion:173 Resp: 117300

Ion Ratio Lower Upper

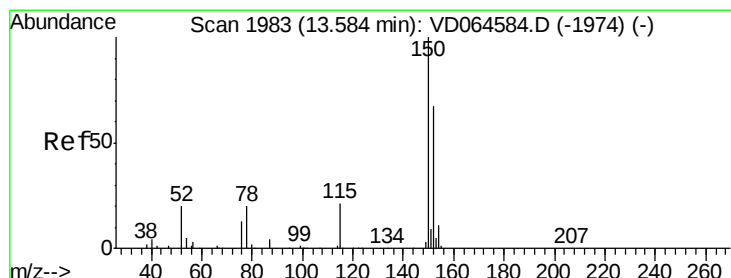
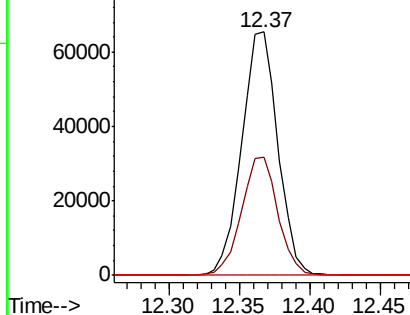
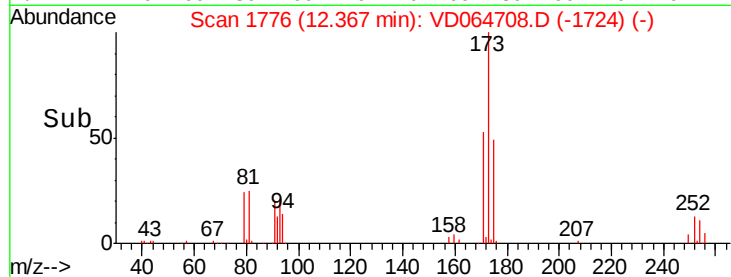
173 100

175 48.8 24.6 73.8

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

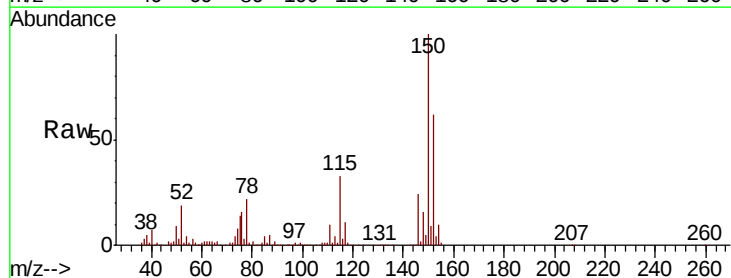
Tgt Ion:152 Resp: 291016

Ion Ratio Lower Upper

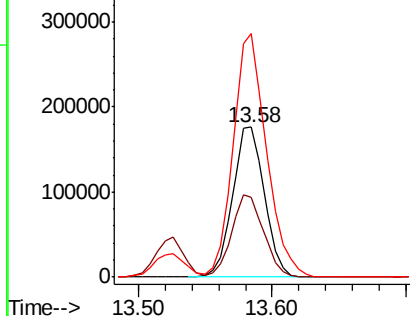
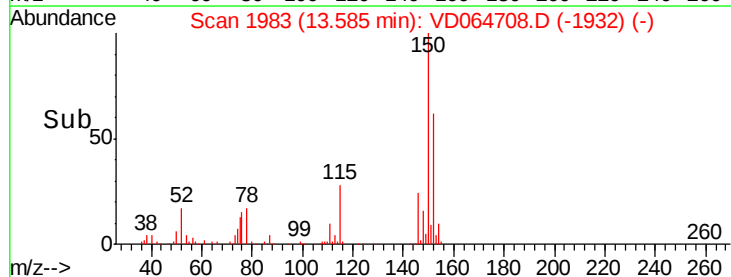
152 100

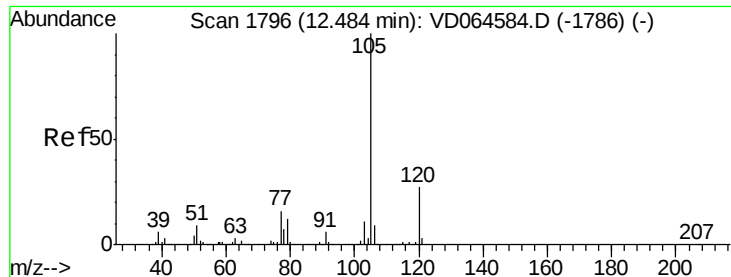
115 54.9 27.8 83.4

150 169.7 0.0 351.4



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

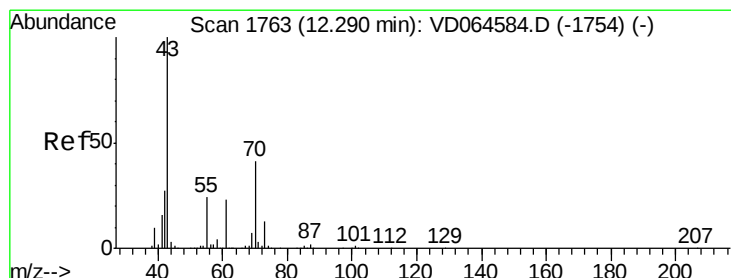
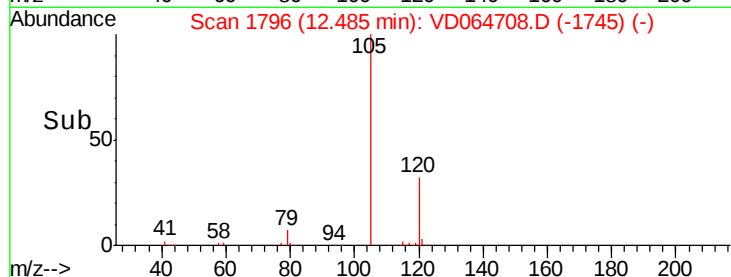
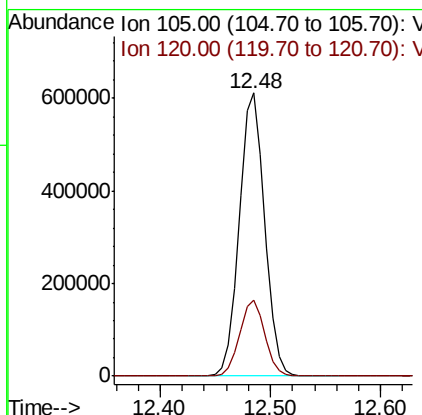
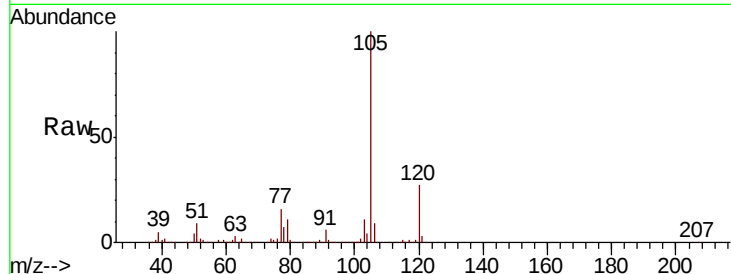




#73
Isopropylbenzene
Concen: 47.392 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

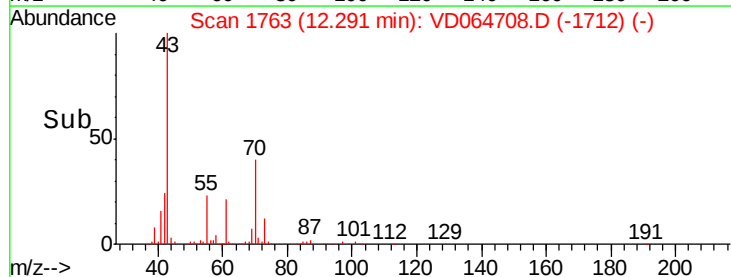
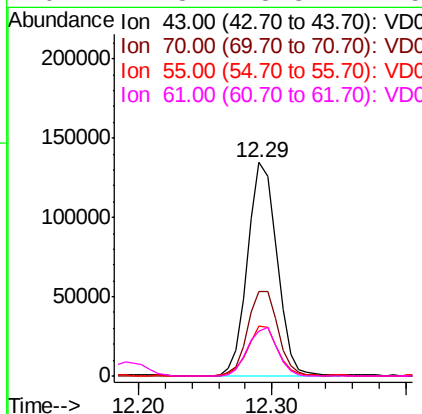
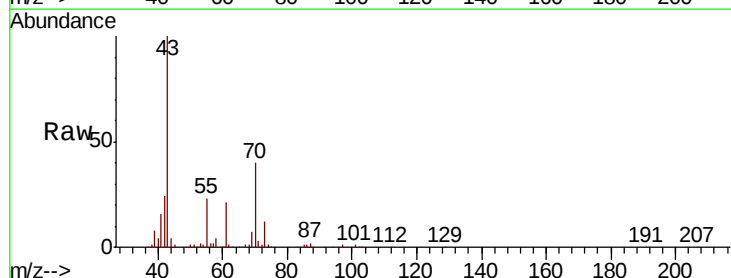
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

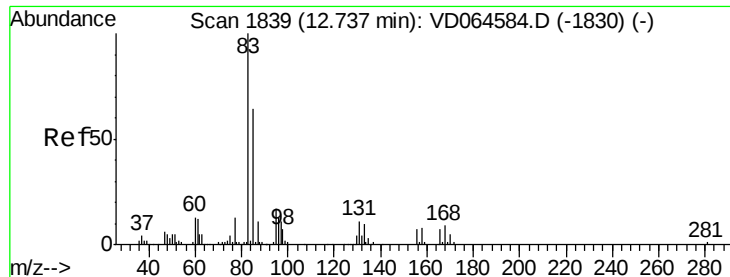
Tot Ion:105 Resp: 985595
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5



#74
N-ethyl acetate
Concen: 46.059 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 43 Resp: 204760
Ion Ratio Lower Upper
43 100
70 40.8 33.4 50.0
55 23.4 19.4 29.0
61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.716 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

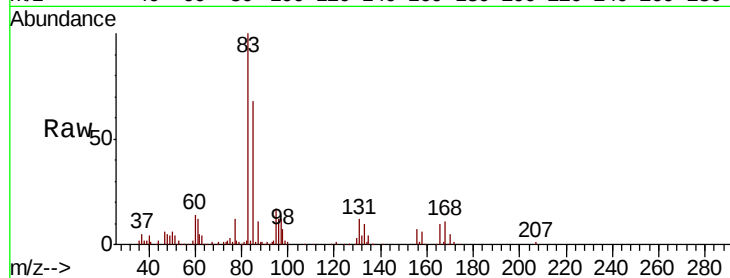
Tot Ion: 83 Resp: 146084

Ion Ratio Lower Upper

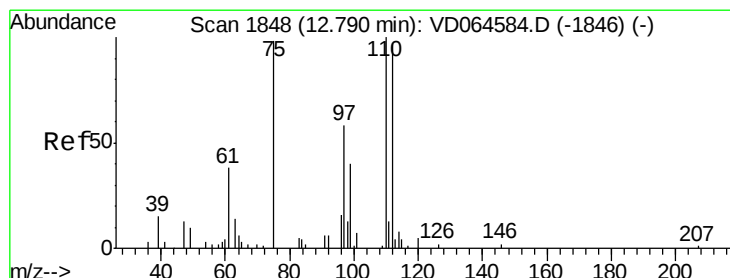
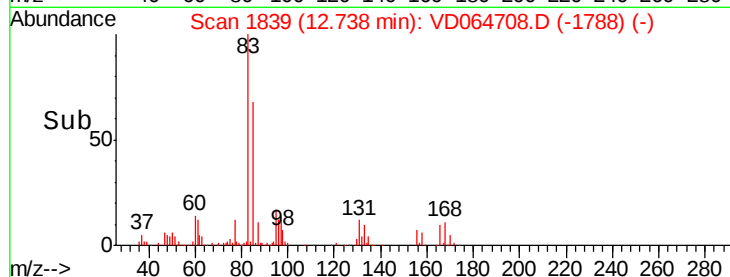
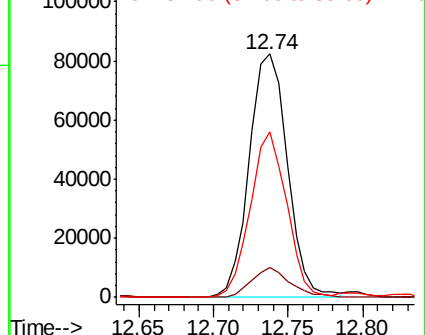
83 100

131 12.4 5.8 17.4

85 64.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 85.797 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064708.D

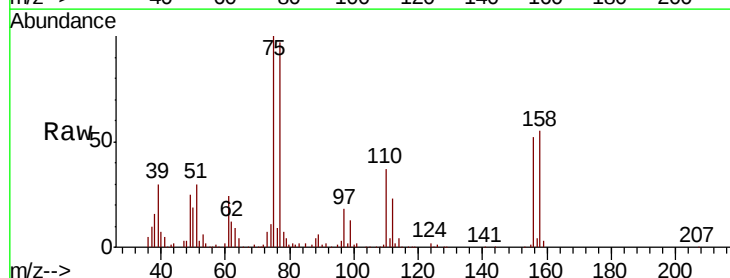
Acq: 02 Jan 2020 10:26

Tgt Ion: 75 Resp: 197164

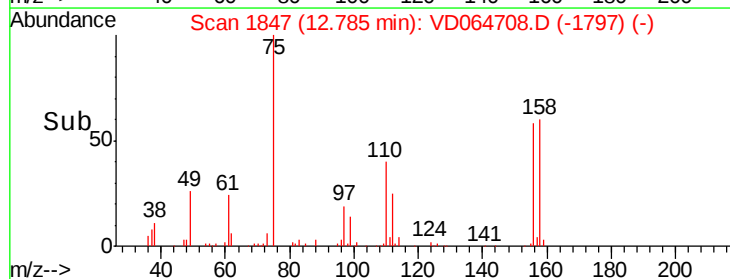
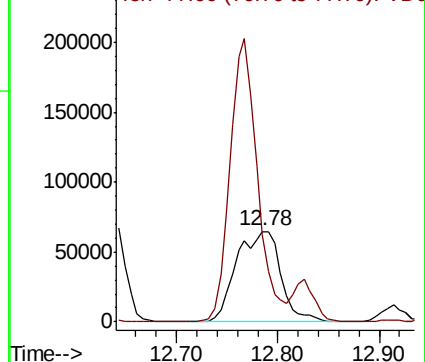
Ion Ratio Lower Upper

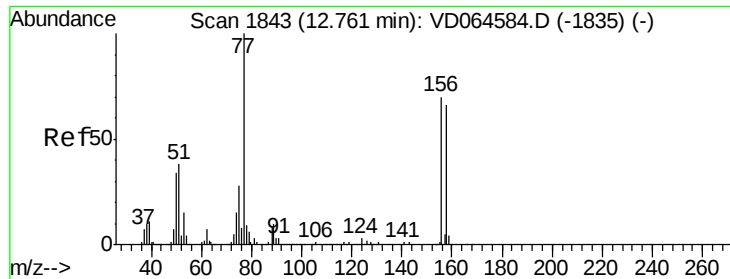
75 100

77 193.4 0.0 0.0#



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





#77

Bromobenzene

Concen: 46.466 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

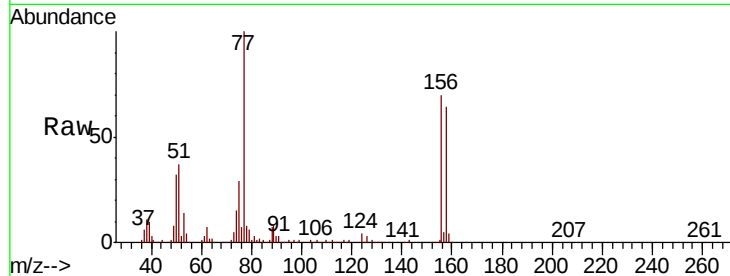
Tot Ion:156 Resp: 237441

Ion Ratio Lower Upper

156 100

77 160.6 80.9 242.7

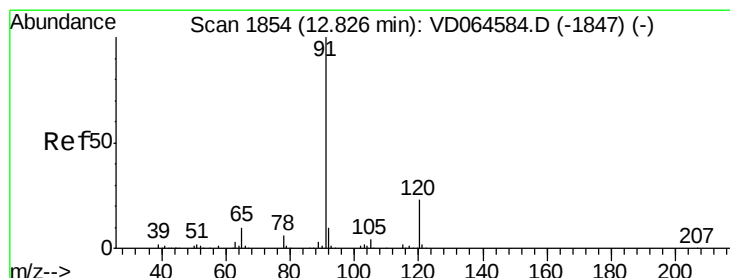
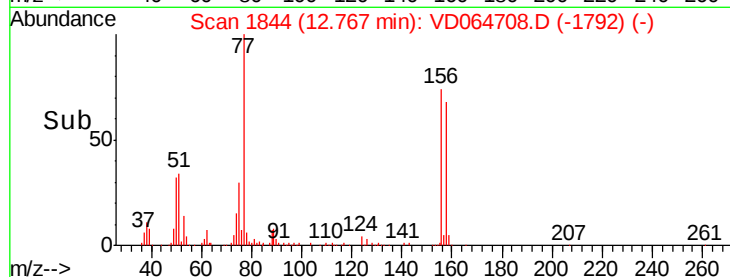
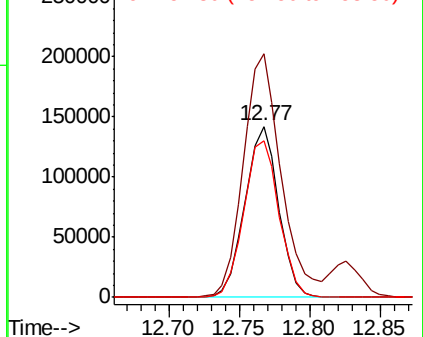
158 95.9 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.931 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064708.D

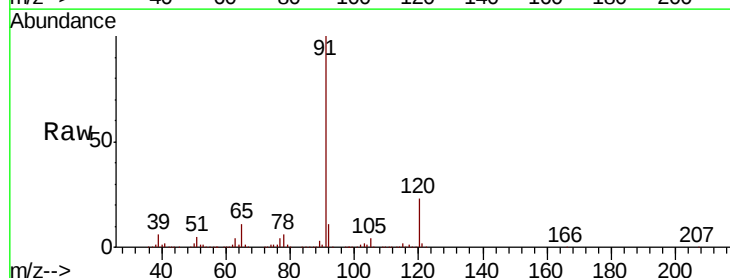
Acq: 02 Jan 2020 10:26

Tgt Ion: 91 Resp: 1138643

Ion Ratio Lower Upper

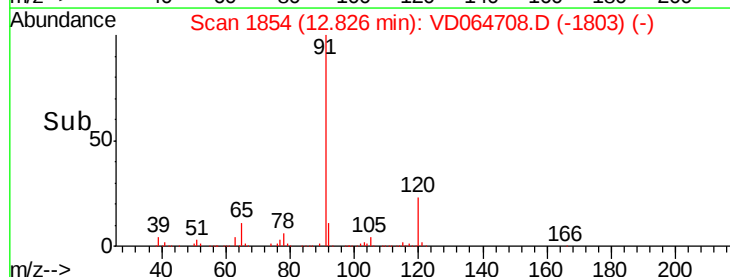
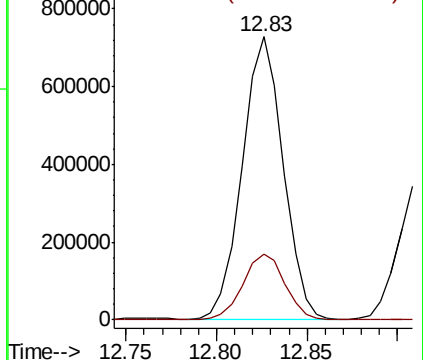
91 100

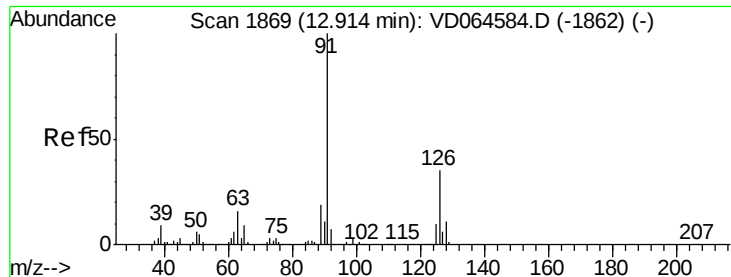
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.658 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

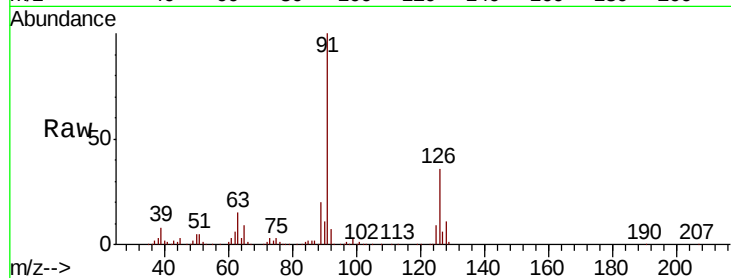
VSTDCCC050

Tot Ion: 91 Resp: 621862

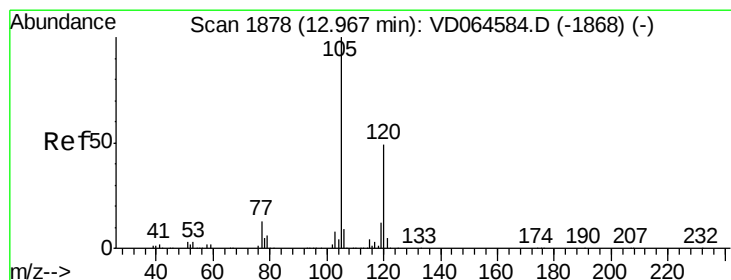
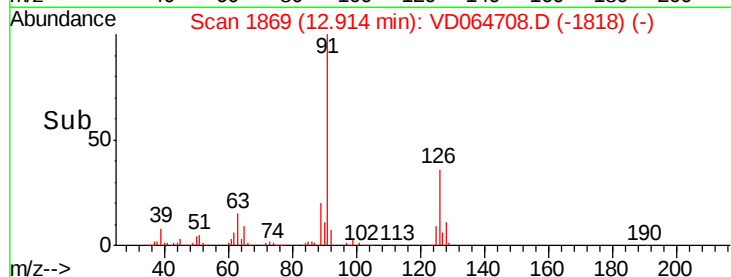
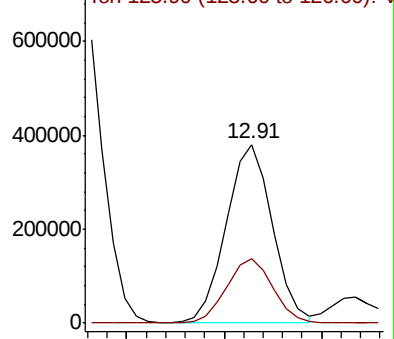
Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 46.643 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064708.D

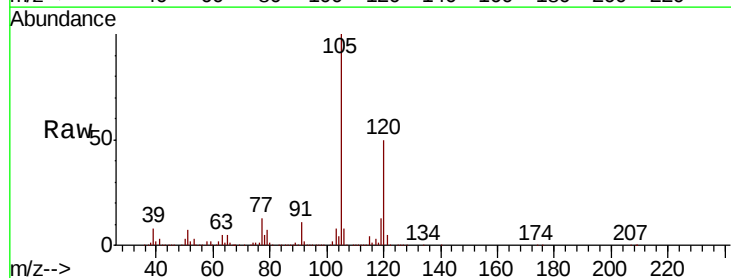
Acq: 02 Jan 2020 10:26

Tgt Ion:105 Resp: 796831

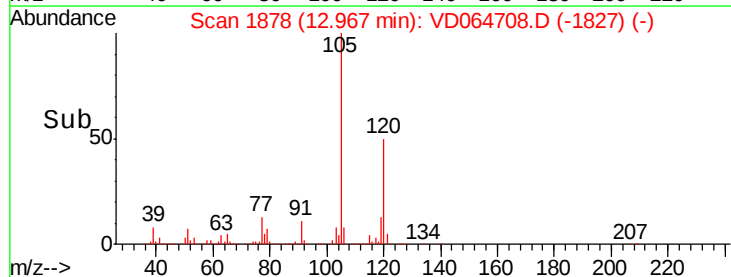
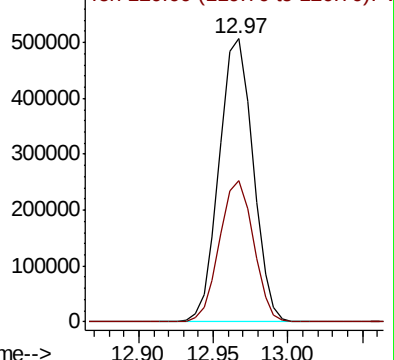
Ion Ratio Lower Upper

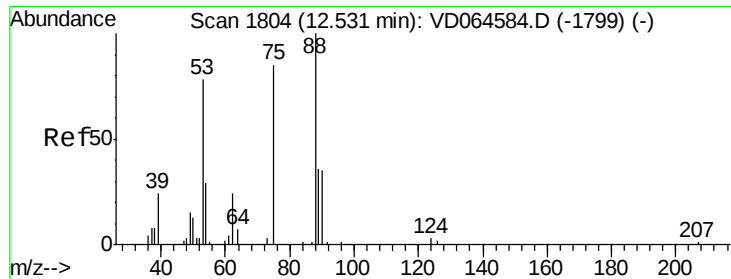
105 100

120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.788 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

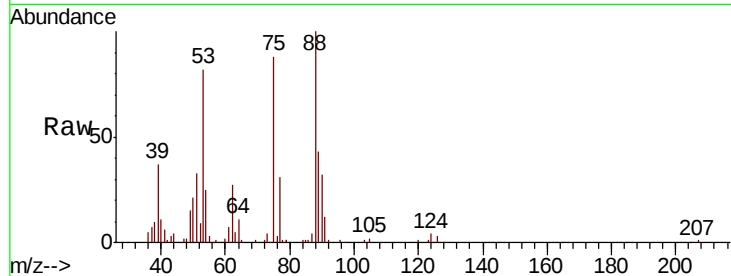
Tot Ion: 75 Resp: 51409

Ion Ratio Lower Upper

75 100

53 97.1 78.8 118.2

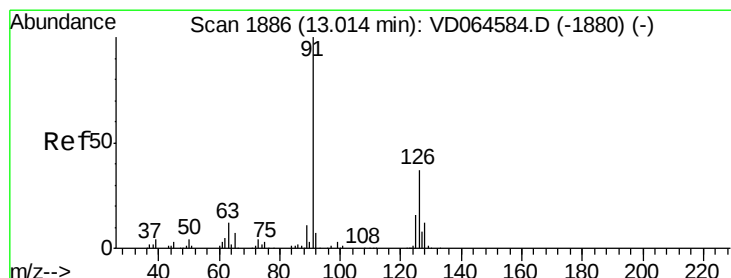
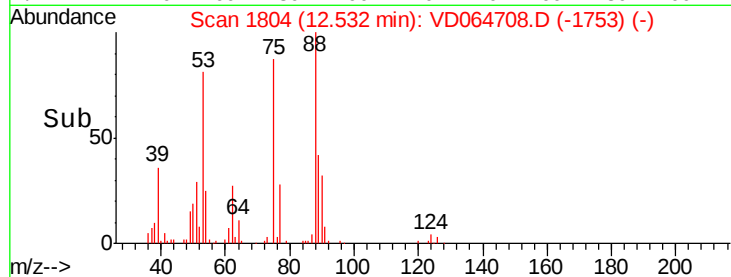
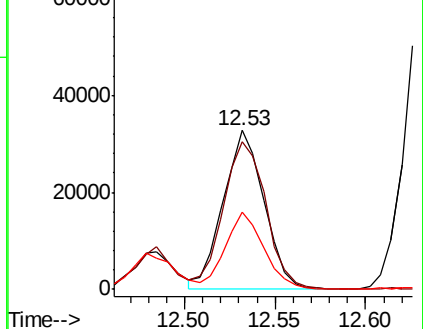
89 45.5 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 46.417 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064708.D

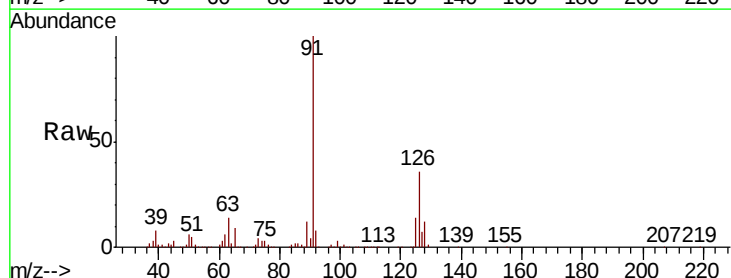
Acq: 02 Jan 2020 10:26

Tgt Ion: 91 Resp: 658360

Ion Ratio Lower Upper

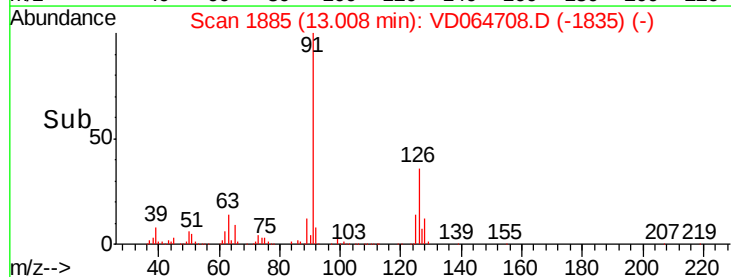
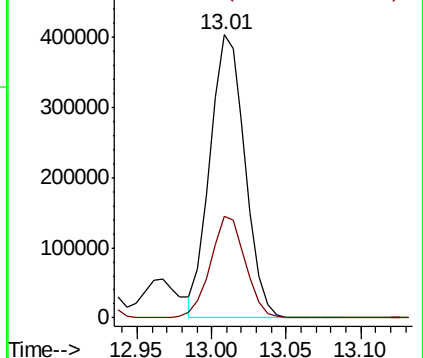
91 100

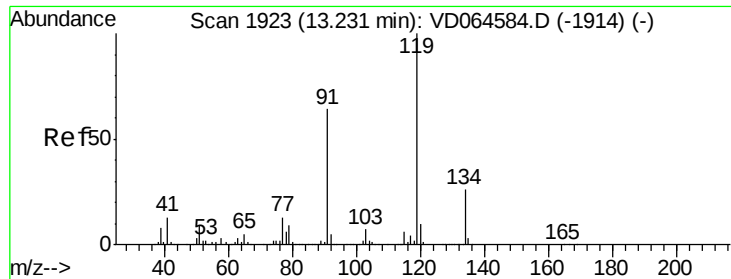
126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

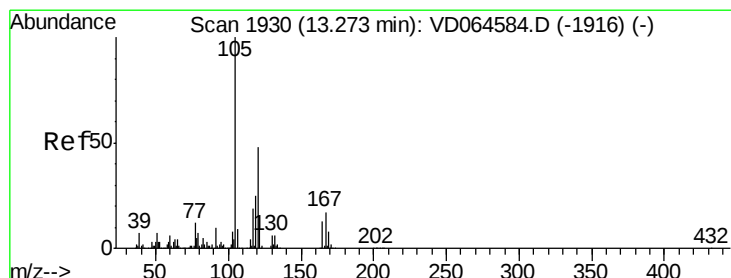
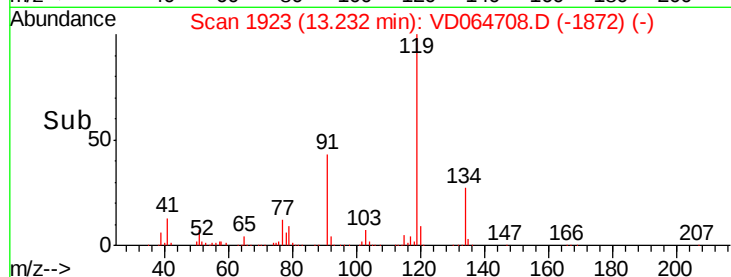
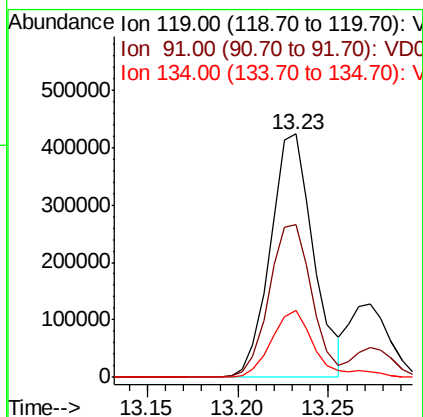
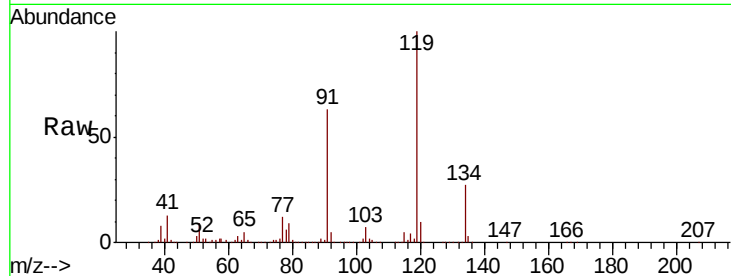




#83
tert-Butylbenzene
Concen: 47.309 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

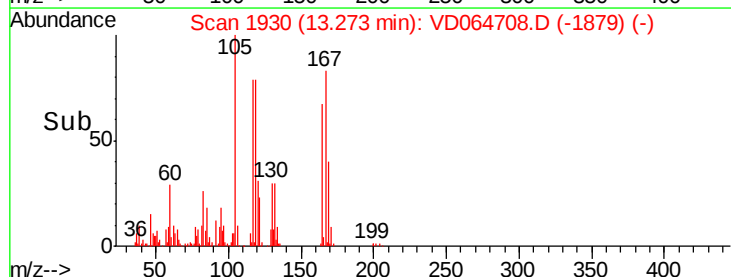
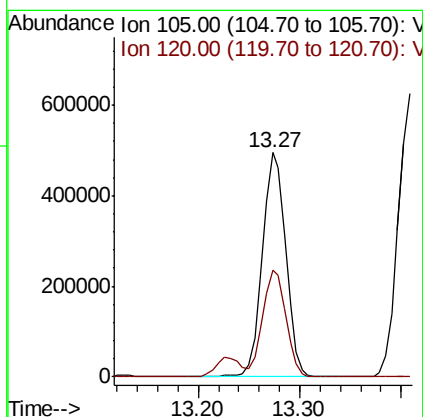
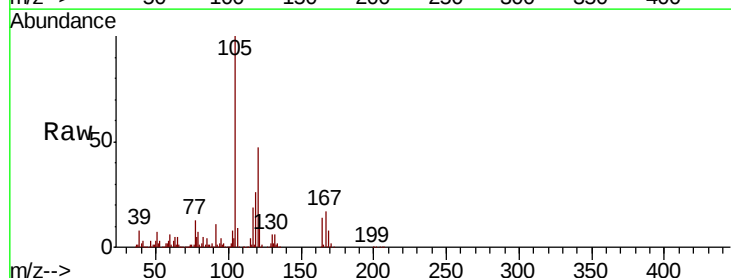
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

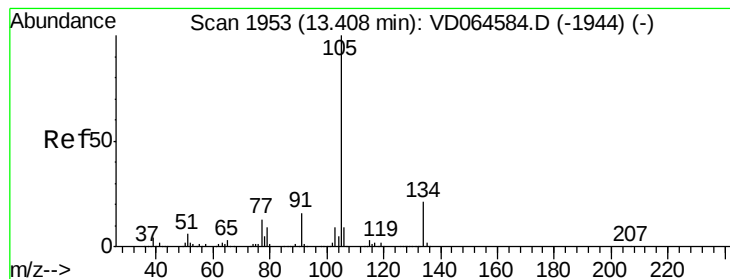
Tot Ion:119 Resp: 701726
Ion Ratio Lower Upper
119 100
91 62.3 30.8 92.4
134 28.0 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 46.544 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion:105 Resp: 791906
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.2





#85

sec-Butylbenzene

Concen: 47.105 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

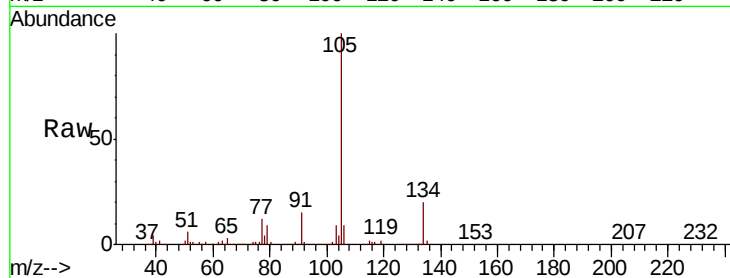
VSTDCCC050

Tot Ion:105 Resp: 957864

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

400000

200000

0

13.41

13.40

13.50

13.60

13.70

13.80

13.90

14.00

14.10

14.20

14.30

14.40

14.50

14.60

14.70

14.80

14.90

15.00

15.10

15.20

15.30

15.40

15.50

15.60

15.70

15.80

15.90

16.00

16.10

16.20

16.30

16.40

16.50

16.60

16.70

16.80

16.90

17.00

17.10

17.20

17.30

17.40

17.50

17.60

17.70

17.80

17.90

18.00

18.10

18.20

18.30

18.40

18.50

18.60

18.70

18.80

18.90

19.00

19.10

19.20

19.30

19.40

19.50

19.60

19.70

19.80

19.90

20.00

20.10

20.20

20.30

20.40

20.50

20.60

20.70

20.80

20.90

21.00

21.10

21.20

21.30

21.40

21.50

21.60

21.70

21.80

21.90

22.00

22.10

22.20

22.30

22.40

22.50

22.60

22.70

22.80

22.90

23.00

23.10

23.20

23.30

23.40

23.50

23.60

23.70

23.80

23.90

24.00

24.10

24.20

24.30

24.40

24.50

24.60

24.70

24.80

24.90

25.00

25.10

25.20

25.30

25.40

25.50

25.60

25.70

25.80

25.90

26.00

26.10

26.20

26.30

26.40

26.50

26.60

26.70

26.80

26.90

27.00

27.10

27.20

27.30

27.40

27.50

27.60

27.70

27.80

27.90

28.00

28.10

28.20

28.30

28.40

28.50

28.60

28.70

28.80

28.90

29.00

29.10

29.20

29.30

29.40

29.50

29.60

29.70

29.80

29.90

30.00

30.10

30.20

30.30

30.40

30.50

30.60

30.70

30.80

30.90

31.00

31.10

31.20

31.30

31.40

31.50

31.60

31.70

31.80

31.90

32.00

32.10

32.20

32.30

32.40

32.50

32.60

32.70

32.80

32.90

33.00

33.10

33.20

33.30

33.40

33.50

33.60

33.70

33.80

33.90

34.00

34.10

34.20

34.30

34.40

34.50

34.60

34.70

34.80

34.90

35.00

35.10

35.20

35.30

35.40

35.50

35.60

35.70

35.80

35.90

36.00

36.10

36.20

36.30

36.40

36.50

36.60

36.70

36.80

36.90

37.00

37.10

37.20

37.30

37.40

37.50

37.60

37.70

37.80

37.90

38.00

38.10

38.20

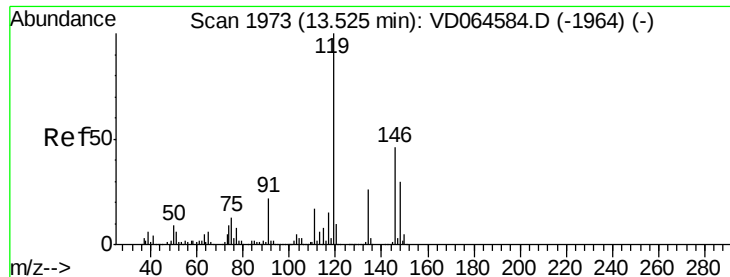
38.30

38.40

38.50

38.60

38.



#87

1,3-Dichlorobenzene

Concen: 46.260 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

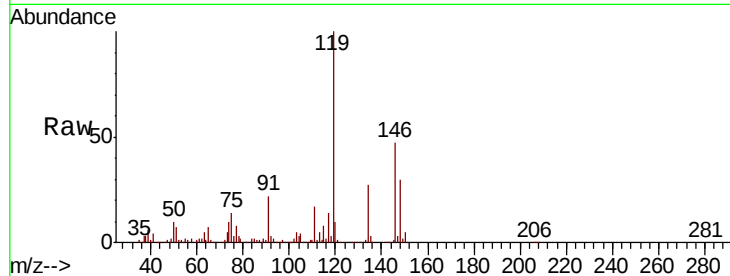
Tot Ion:146 Resp: 450641

Ion Ratio Lower Upper

146 100

111 36.2 18.8 56.4

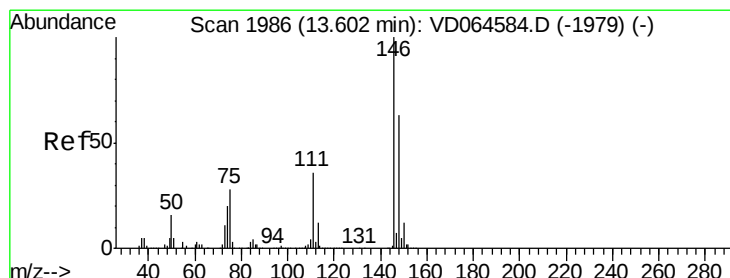
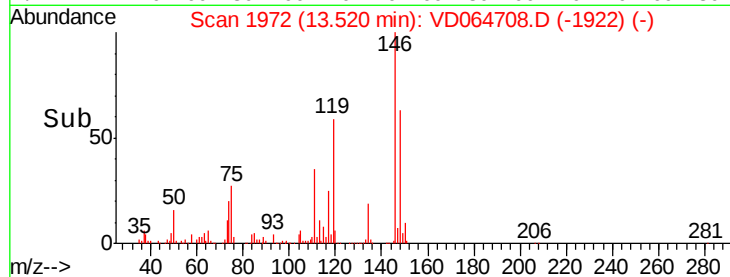
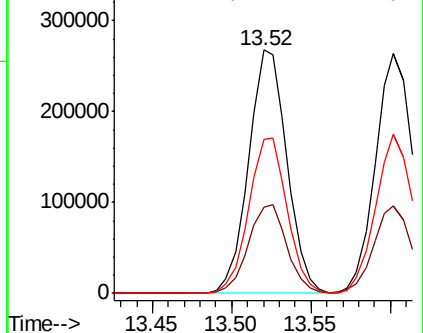
148 63.8 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.329 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

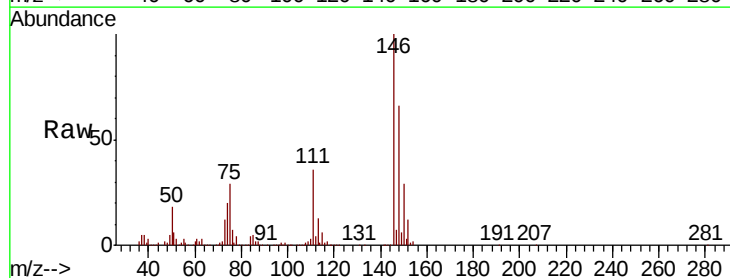
Tgt Ion:146 Resp: 433788

Ion Ratio Lower Upper

146 100

111 37.1 18.1 54.1

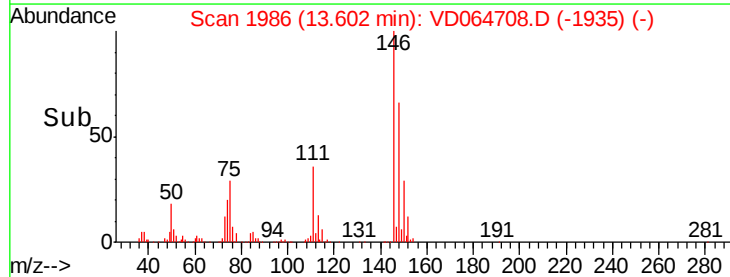
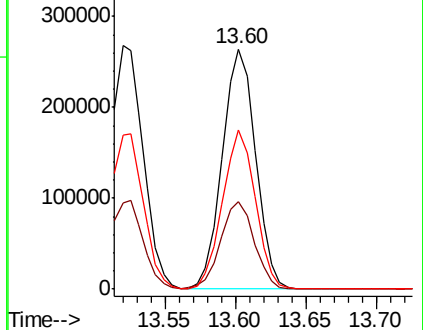
148 65.2 32.3 96.9

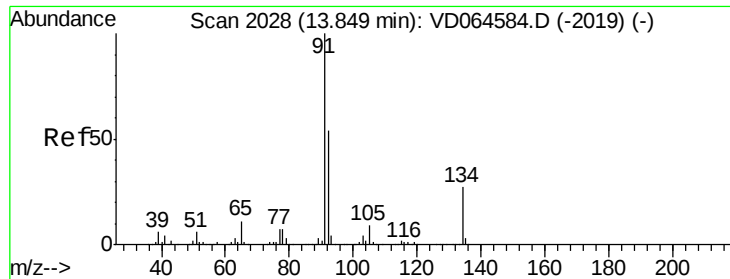


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

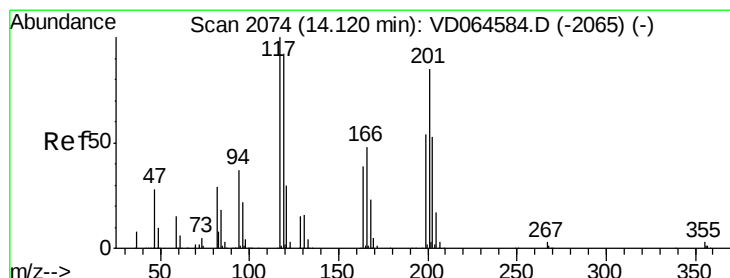
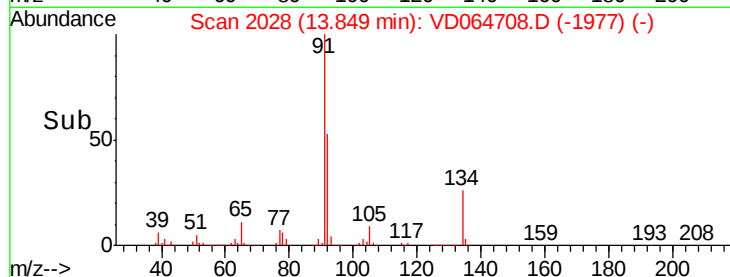
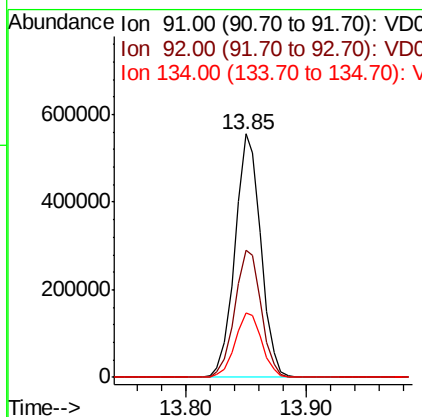
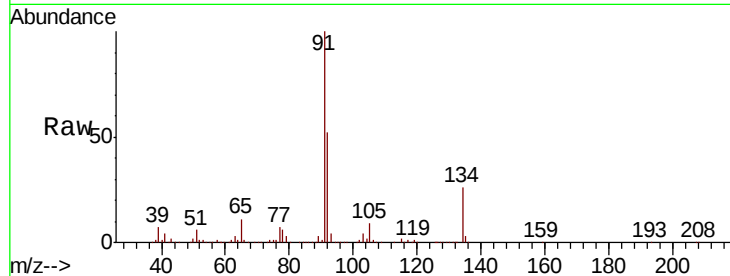




#89
n-Butylbenzene
Concen: 47.159 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

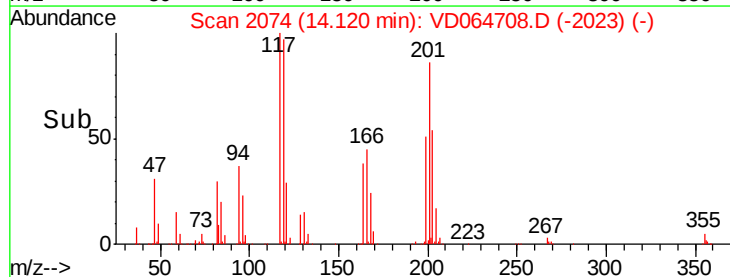
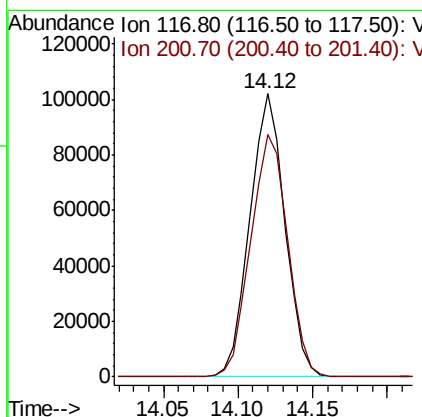
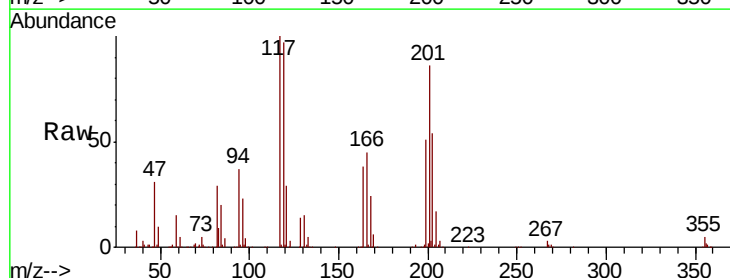
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

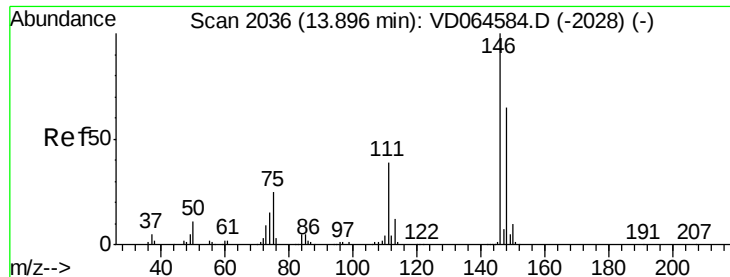
Tot Ion: 91 Resp: 825756
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.4
134 27.3 14.0 41.9



#90
Hexachloroethane
Concen: 44.580 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 117 Resp: 165577
Ion Ratio Lower Upper
117 100
201 90.0 44.0 131.8

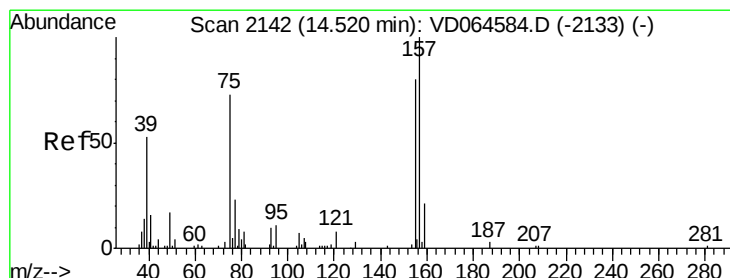
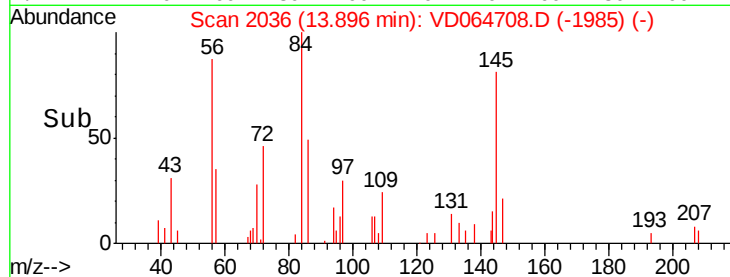
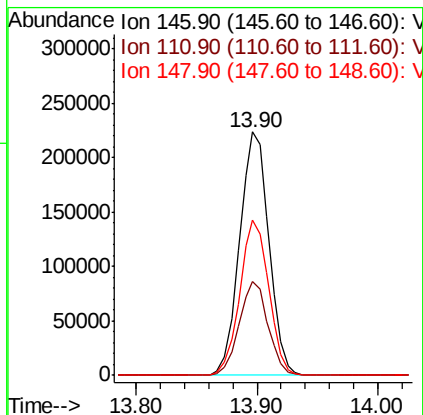
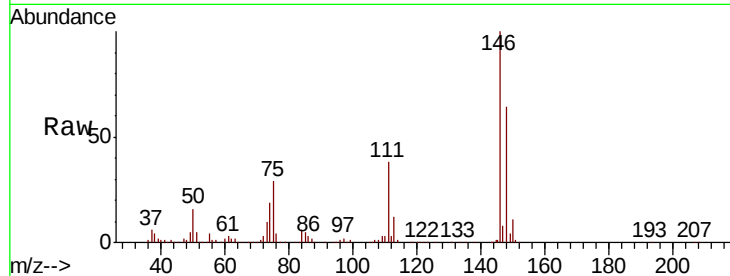




#91
 1,2-Dichlorobenzene
 Concen: 45.555 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

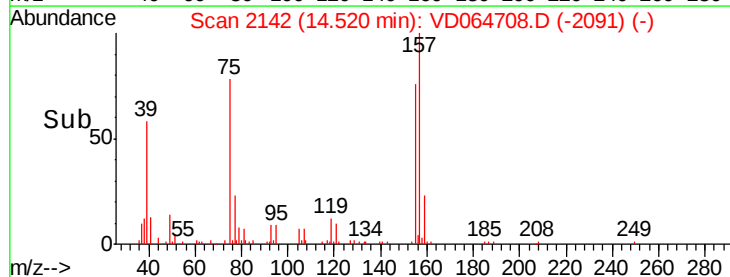
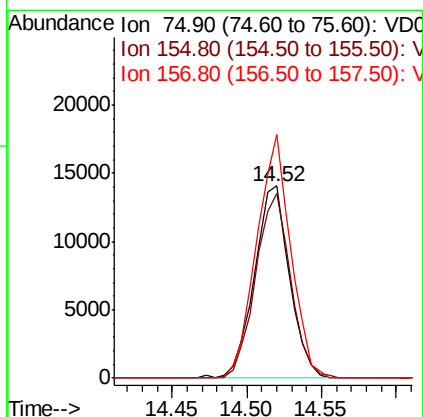
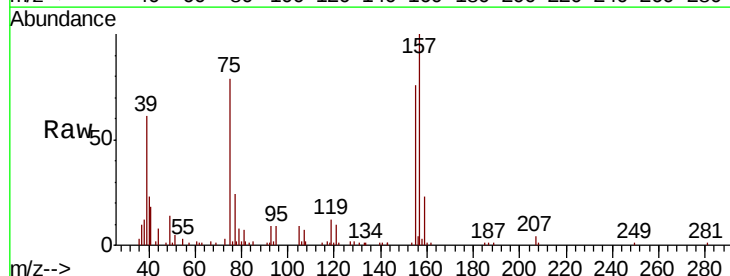
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

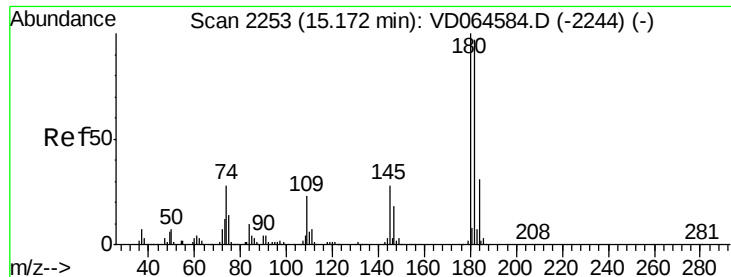
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.0	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.162 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	48.0	144.0
157	122.3	64.1	192.3

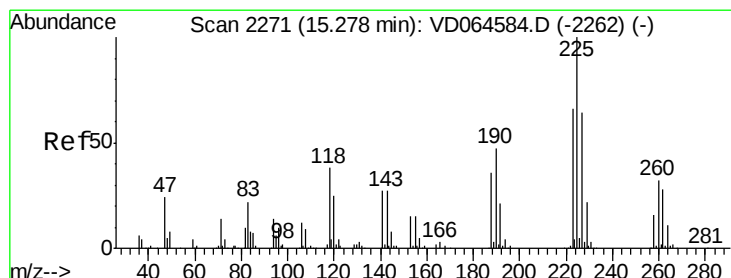
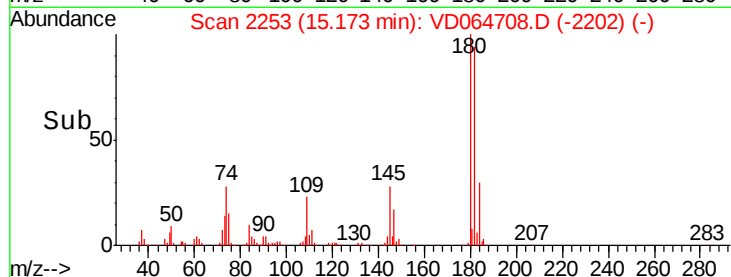
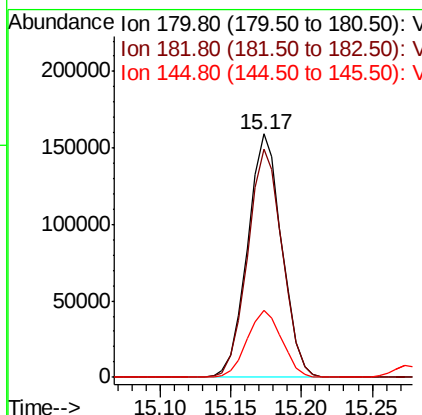
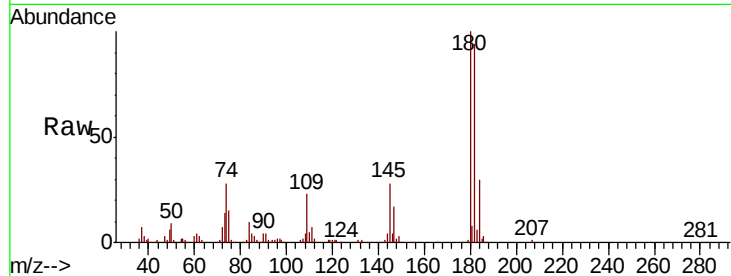




#93
 1,2,4-Trichlorobenzene
 Concen: 44.197 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

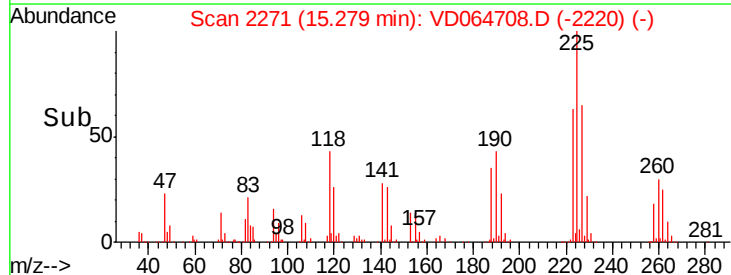
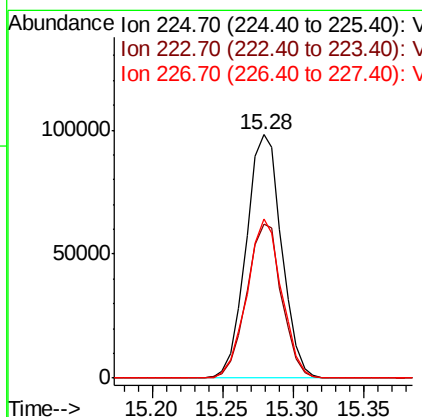
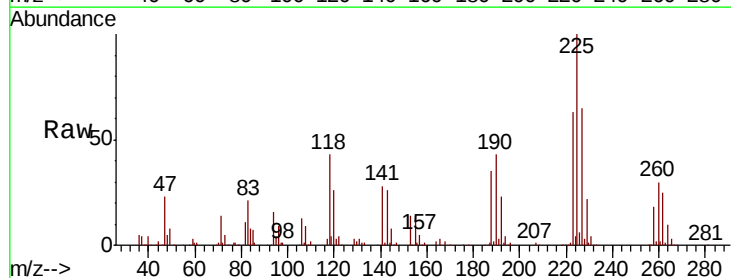
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

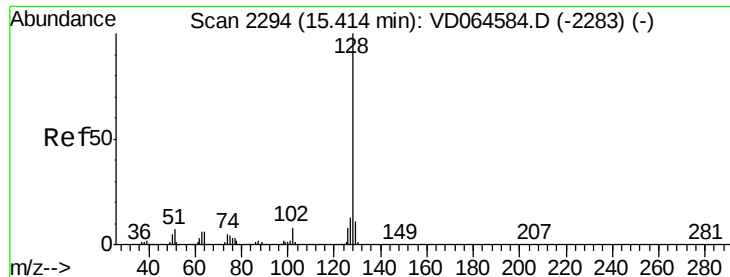
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.2
145	28.1	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 44.891 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.2
227	63.9	30.9	92.7

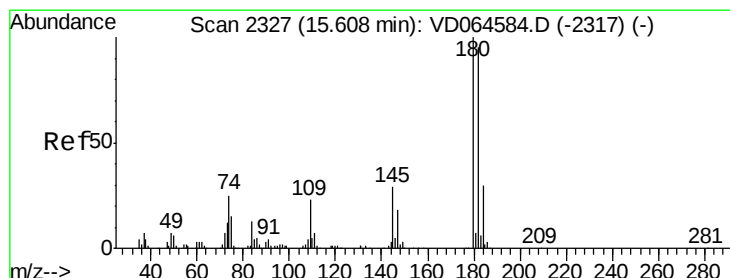
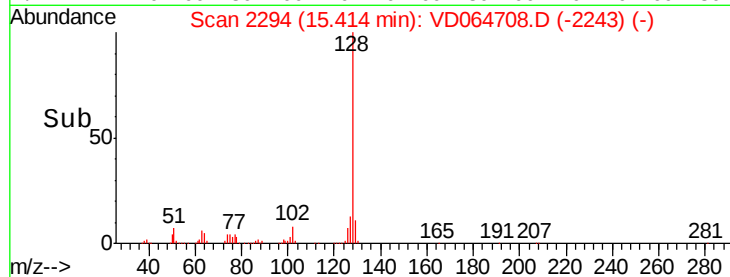
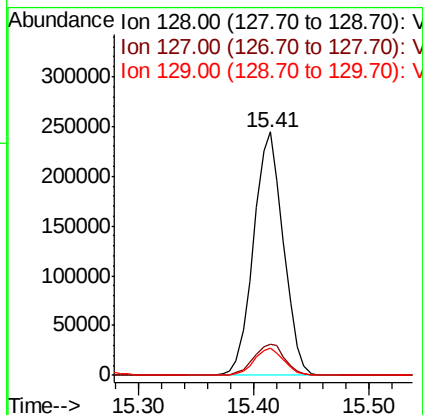
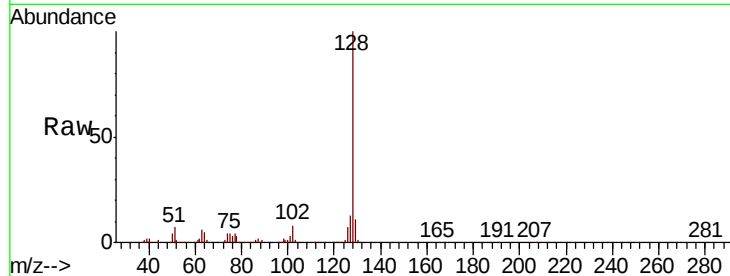




#95
Naphthalene
Concen: 45.421 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 439489
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 43.746 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion:180 Resp: 228416
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 29.6 14.9 44.7

