

Data File : VD064217.D
Acq On : 15 Nov 2019 10:05
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: Nov 16 04:47:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	680006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	974143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401264	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	286574	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.91	113	286109	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	1056950	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.64	95	357243	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	307191	54.469	ug/l	97
3) Chloromethane	2.21	50	329666	54.496	ug/l	99
4) Vinyl Chloride	2.35	62	378712	58.543	ug/l	99
5) Bromomethane	2.77	94	231002	56.550	ug/l	93
6) Chloroethane	2.92	64	245977	59.507	ug/l	96
7) Trichlorofluoromethane	3.27	101	621501	59.257	ug/l	98
8) Diethyl Ether	3.70	74	150483	52.181	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	318404	53.115	ug/l	97
10) Methyl Iodide	4.29	142	348740	50.924	ug/l	99
11) Tert butyl alcohol	5.24	59	113338	290.148	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	300845	52.651	ug/l	94
13) Acrolein	3.92	56	105967	320.668	ug/l	99
14) Allyl chloride	4.71	41	521986	51.668	ug/l	97
15) Acrylonitrile	5.43	53	323202	262.890	ug/l	100
16) Acetone	4.16	43	337467	254.711	ug/l	98
17) Carbon Disulfide	4.40	76	912775	51.296	ug/l	98
18) Methyl Acetate	4.72	43	184552	49.872	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	712688	52.247	ug/l	98
20) Methylene Chloride	4.96	84	312949	46.761	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	336839	52.032	ug/l	97
22) Diisopropyl ether	6.37	45	972724	51.893	ug/l	97
23) Vinyl Acetate	6.30	43	2865567	274.247	ug/l	99
24) 1,1-Dichloroethane	6.26	63	570051	52.376	ug/l	99
25) 2-Butanone	7.22	43	440928	257.596	ug/l	99
26) 2,2-Dichloropropane	7.20	77	554256	51.928	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	361424	52.061	ug/l	97
28) Bromochloromethane	7.54	49	206232	54.426	ug/l	99
29) Tetrahydrofuran	7.57	42	268355	260.938	ug/l	99
30) Chloroform	7.71	83	589885	52.985	ug/l	99
31) Cyclohexane	7.98	56	539905	49.187	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	560524	52.581	ug/l	99
36) 1,1-Dichloropropene	8.11	75	466040	51.837	ug/l	100
37) Ethyl Acetate	7.30	43	188543	49.745	ug/l	100
38) Carbon Tetrachloride	8.09	117	507494	52.754	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	569009	50.017	ug/l	98
40) Benzene	8.35	78	1247122	50.756	ug/l	99
41) Methacrylonitrile	7.53	41	124385	52.214	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	377975	51.218	ug/l	99
43) Isopropyl Acetate	8.46	43	393333	50.367	ug/l	99
44) Trichloroethene	9.11	130	377626	51.206	ug/l	99
45) 1,2-Dichloropropane	9.38	63	300751	50.288	ug/l	99
46) Dibromomethane	9.48	93	162119	50.635	ug/l	99
47) Bromodichloromethane	9.67	83	442371	51.294	ug/l	99
48) Methyl methacrylate	9.46	41	180505	47.270	ug/l	96
49) 1,4-Dioxane	9.47	88	39845	1036.207	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	942767	251.746	ug/l	99
52) Toluene	10.40	92	815603	50.480	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	432370	50.042	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	509284	50.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	223237	51.397	ug/l	94
56) Ethyl methacrylate	10.66	69	309279	50.903	ug/l	96
57) 1,3-Dichloropropane	10.95	76	388469	51.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	612981	249.061	ug/l	100
59) 2-Hexanone	10.99	43	659400	247.495	ug/l	99
60) Dibromochloromethane	11.14	129	304152	50.185	ug/l	99
61) 1,2-Dibromoethane	11.25	107	218606	50.250	ug/l	99
64) Tetrachloroethene	10.88	164	323550	51.168	ug/l	99
65) Chlorobenzene	11.67	112	862397	51.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	330263	51.950	ug/l	99
67) Ethyl Benzene	11.75	91	1578297	52.189	ug/l	98
68) m/p-Xylenes	11.86	106	1206785	104.107	ug/l	100
69) o-Xylene	12.18	106	554507	51.579	ug/l	100
70) Styrene	12.20	104	953728	50.822	ug/l	98
71) Bromoform	12.37	173	190142	52.555	ug/l	98
73) Isopropylbenzene	12.48	105	1518452	51.556	ug/l	99
74) N-amyl acetate	12.30	43	352981	50.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	234515	52.843	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	321675	99.526	ug/l #	100
77) Bromobenzene	12.77	156	366769	51.258	ug/l	99
78) n-propylbenzene	12.83	91	1751439	52.049	ug/l	99
79) 2-Chlorotoluene	12.91	91	960493	50.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1230305	50.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	81566	50.130	ug/l	96
82) 4-Chlorotoluene	13.01	91	1028586	51.908	ug/l	99
83) tert-Butylbenzene	13.23	119	1098458	51.474	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1223917	51.225	ug/l	100
85) sec-Butylbenzene	13.41	105	1482912	51.738	ug/l	99
86) p-Isopropyltoluene	13.52	119	1411032	51.784	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	680896	51.263	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	668906	51.600	ug/l	99
89) n-Butylbenzene	13.85	91	1288169	52.327	ug/l	99
90) Hexachloroethane	14.12	117	263293	52.284	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	578450	51.453	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39315	49.547	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111519\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	440179	50.756	ug/l	99
94) Hexachlorobutadiene	15.28	225	286077	51.071	ug/l	98
95) Naphthalene	15.41	128	729462	51.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	372364	50.512	ug/l	99

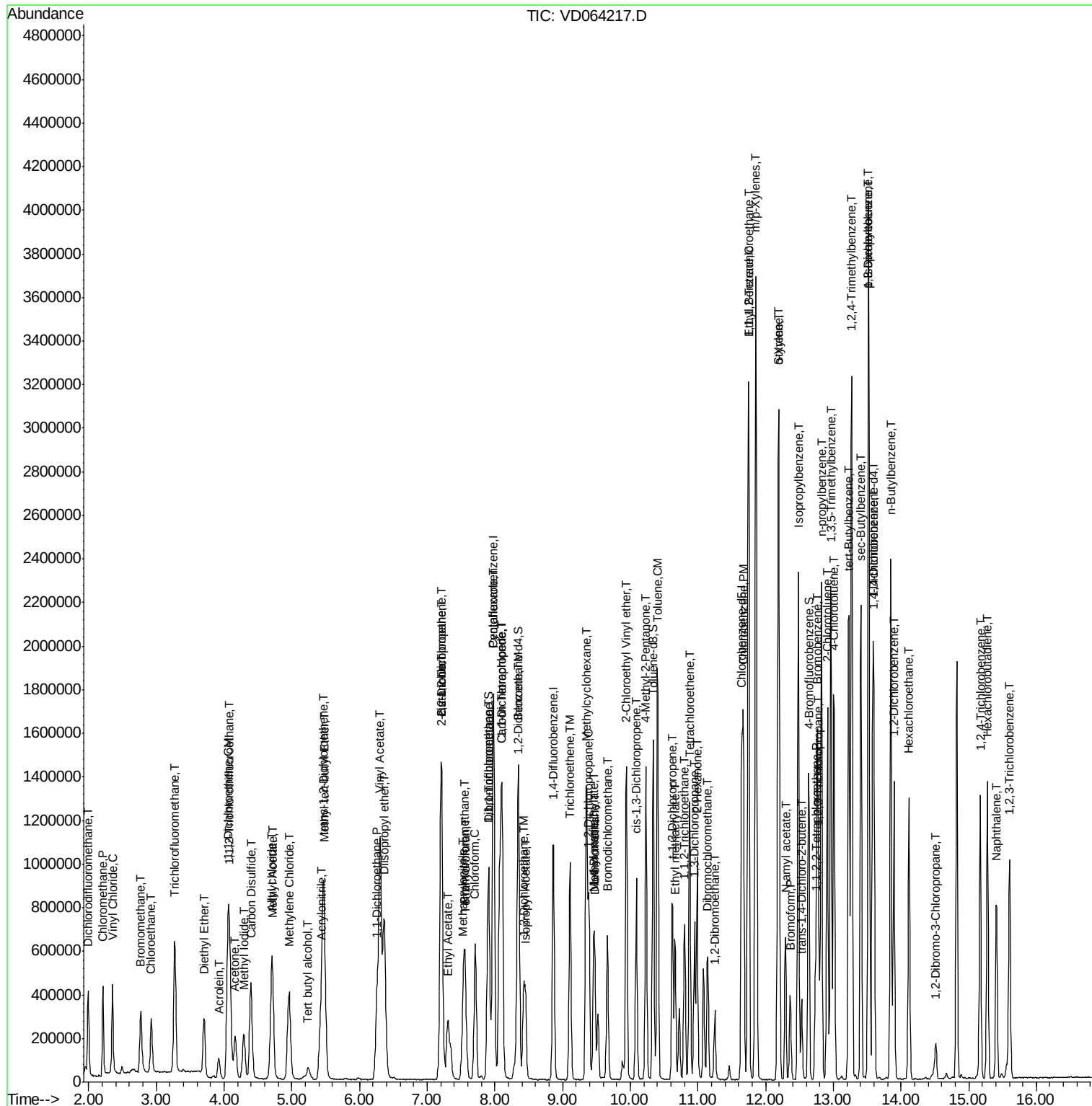
(#) = qualifier out of range (m) = manual integration (+) = signals summed

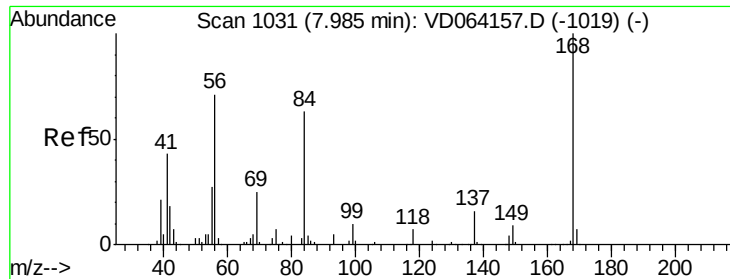
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

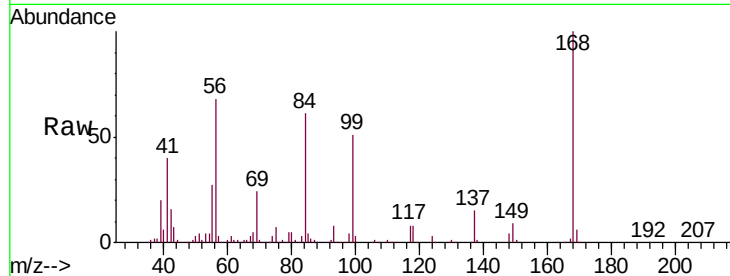
VSTDCCC050

Tgt Ion:168 Resp: 680006

Ion Ratio Lower Upper

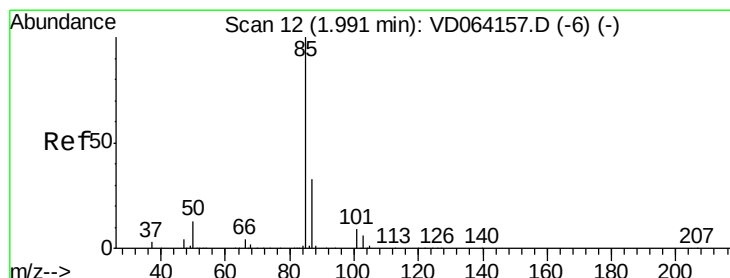
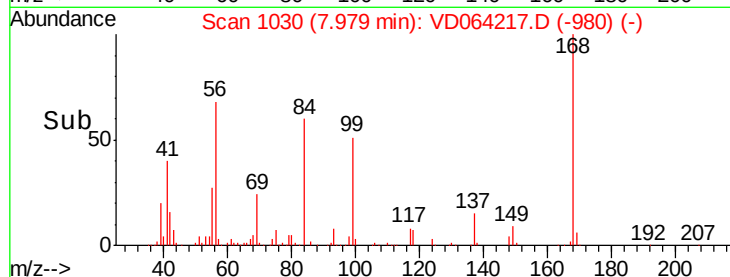
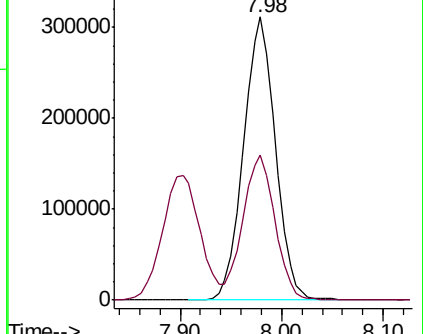
168 100

99 51.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 54.469 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064217.D

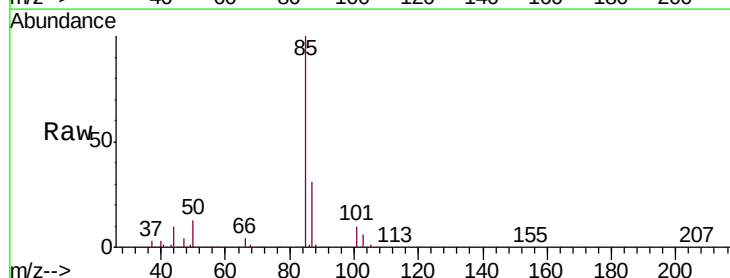
Acq: 15 Nov 2019 10:05

Tgt Ion: 85 Resp: 307191

Ion Ratio Lower Upper

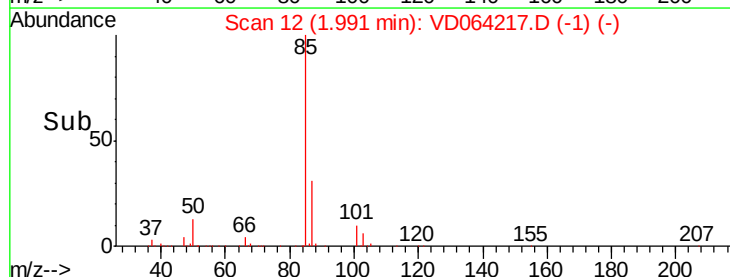
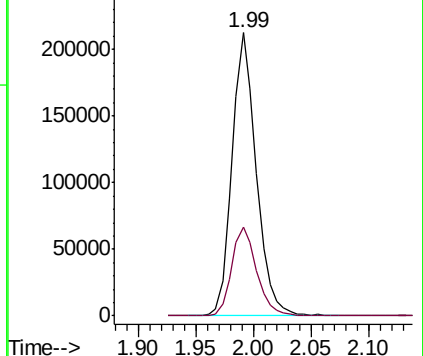
85 100

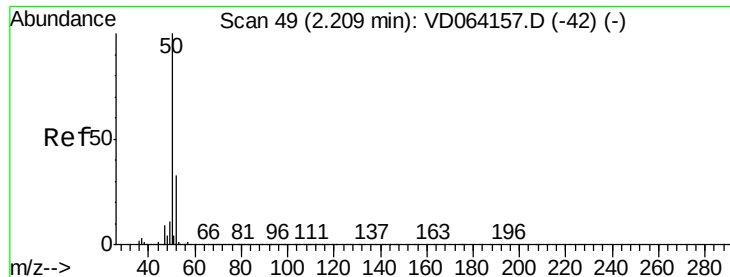
87 31.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.496 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

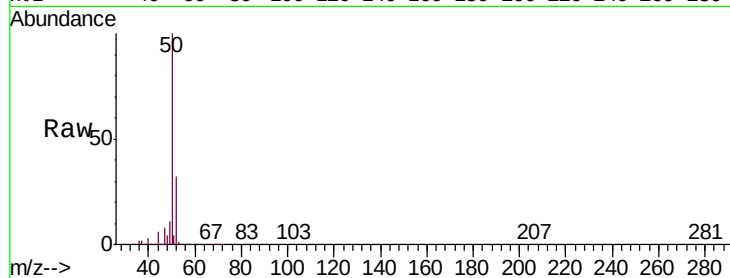
VSTDCCC050

Tgt Ion: 50 Resp: 329666

Ion Ratio Lower Upper

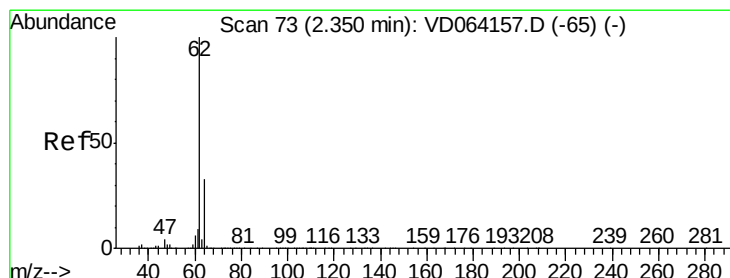
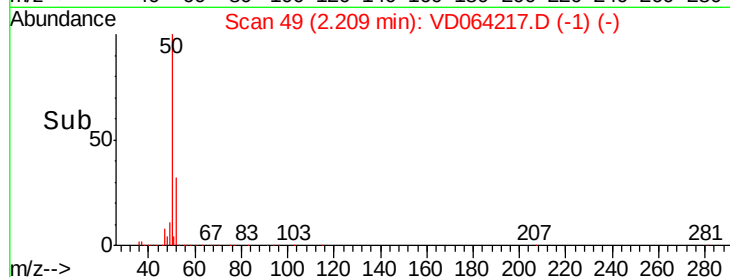
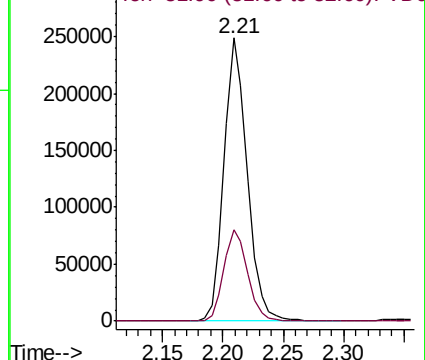
50 100

52 32.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 58.543 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064217.D

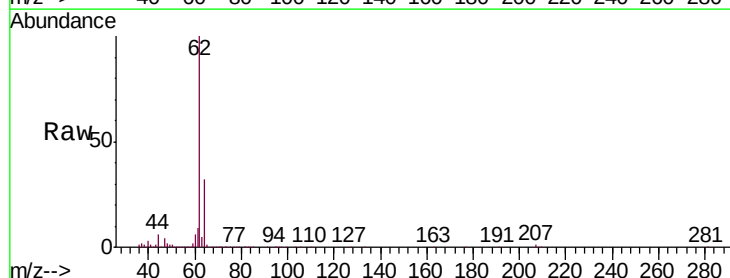
Acq: 15 Nov 2019 10:05

Tgt Ion: 62 Resp: 378712

Ion Ratio Lower Upper

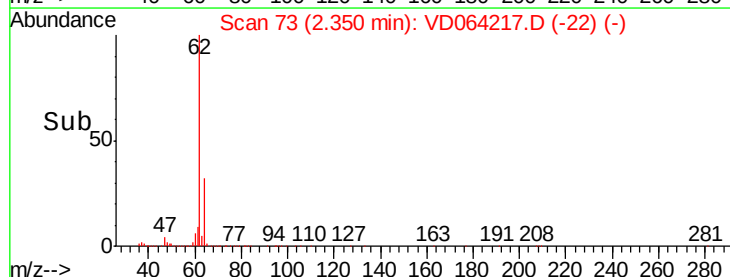
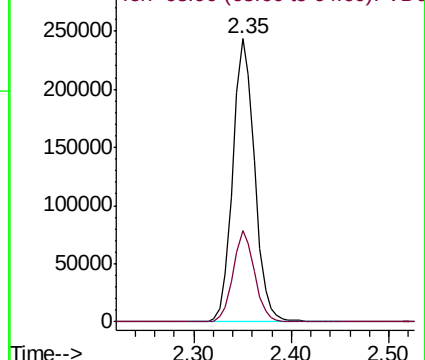
62 100

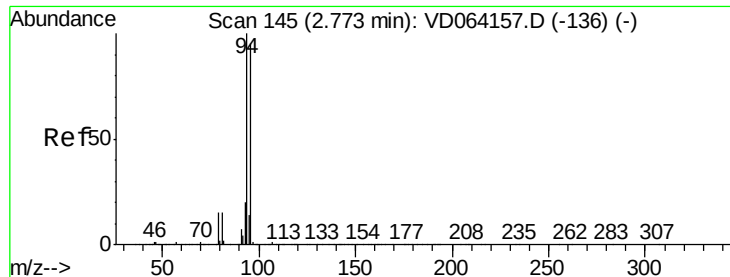
64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.550 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

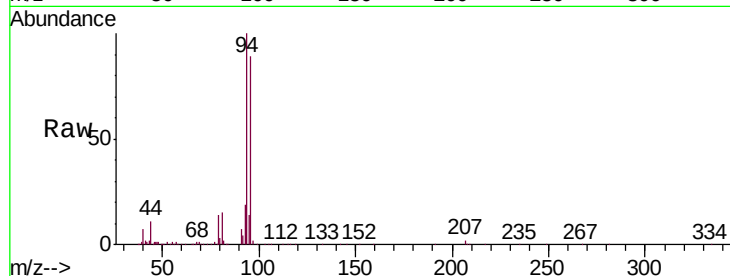
VSTDCCC050

Tgt Ion: 94 Resp: 231002

Ion Ratio Lower Upper

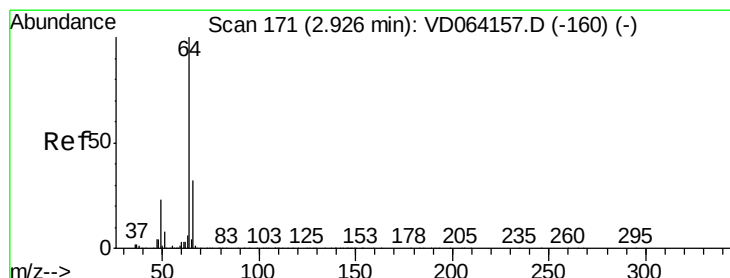
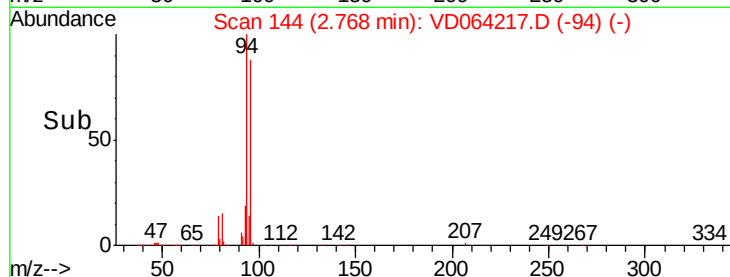
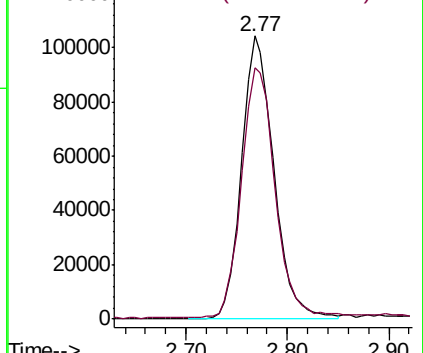
94 100

96 88.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 59.507 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064217.D

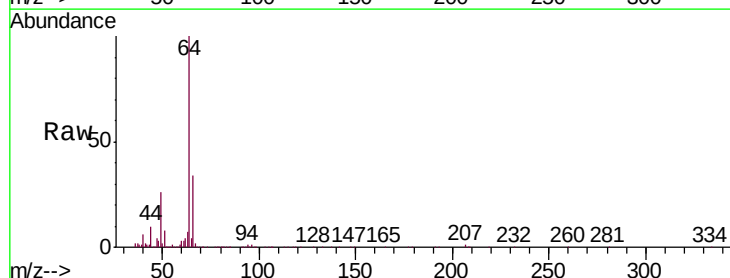
Acq: 15 Nov 2019 10:05

Tgt Ion: 64 Resp: 245977

Ion Ratio Lower Upper

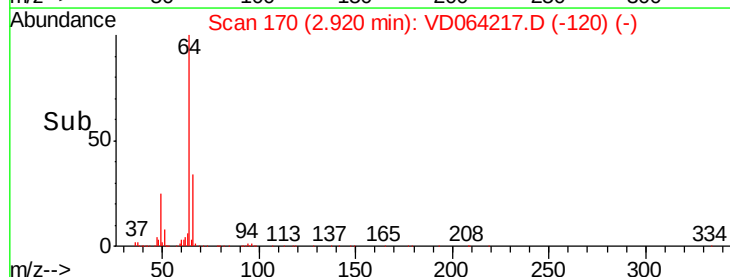
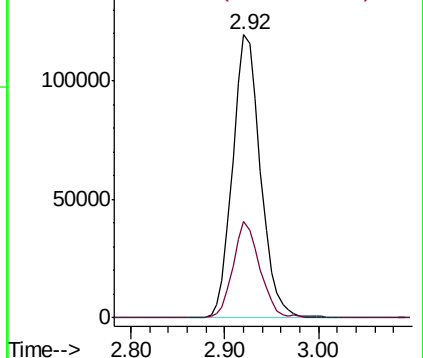
64 100

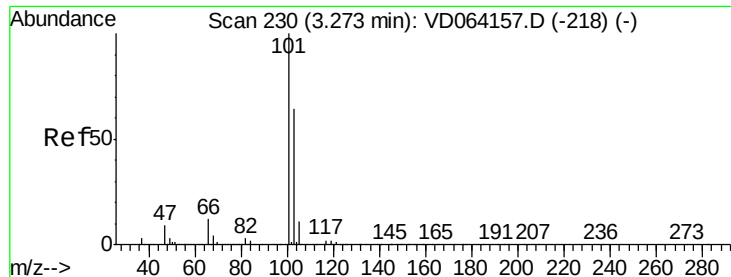
66 34.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 59.257 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

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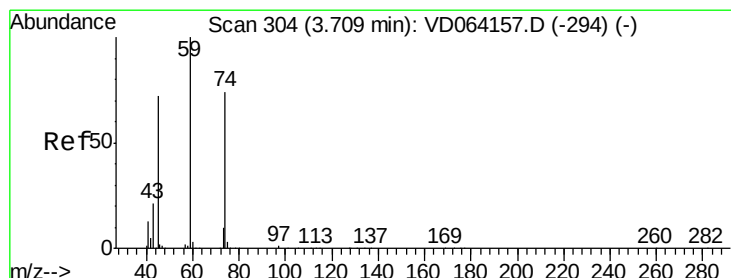
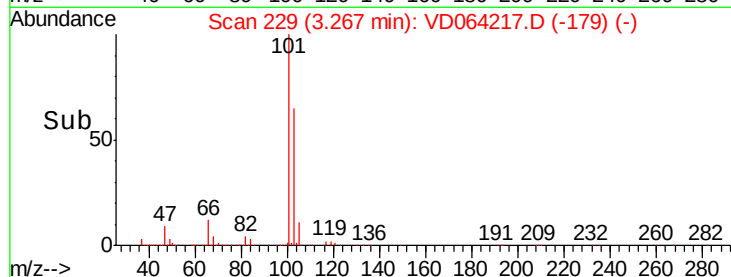
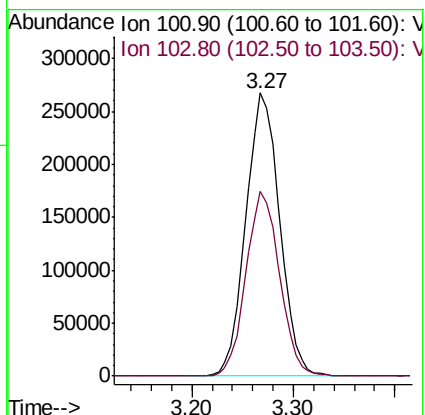
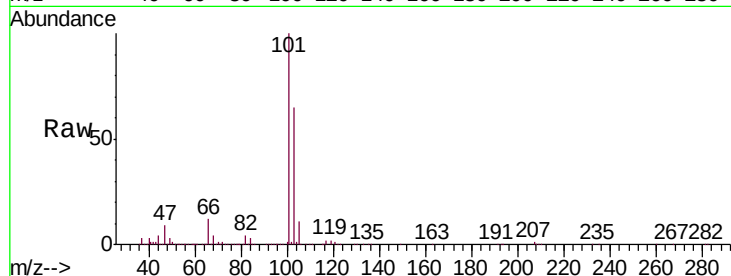
VSTDCCC050

Tgt Ion:101 Resp: 621501

Ion Ratio Lower Upper

101 100

103 65.4 50.8 76.2



#8

Diethyl Ether

Concen: 52.181 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064217.D

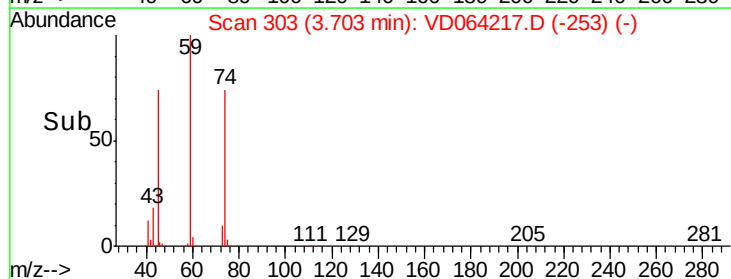
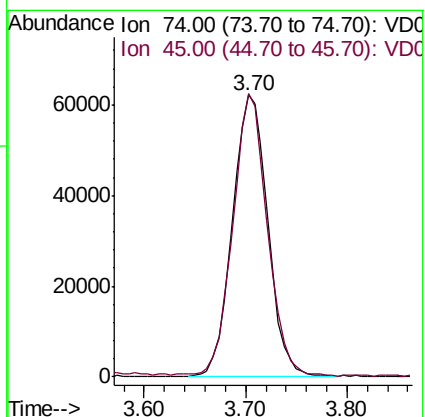
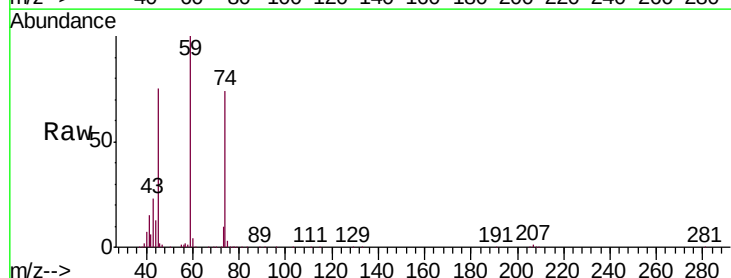
Acq: 15 Nov 2019 10:05

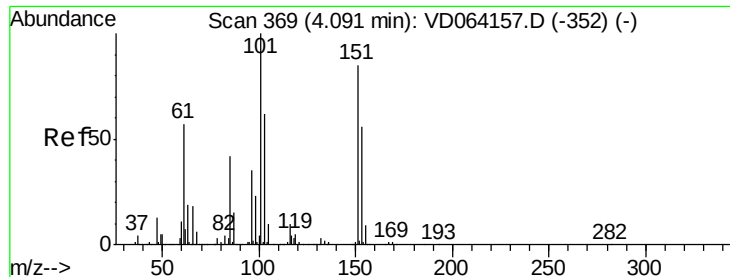
Tgt Ion: 74 Resp: 150483

Ion Ratio Lower Upper

74 100

45 97.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.115 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

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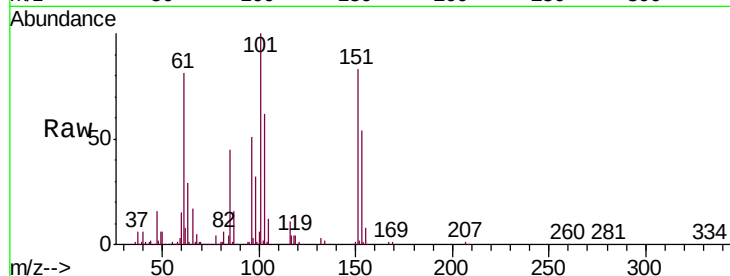
Tgt Ion:101 Resp: 318404

Ion Ratio Lower Upper

101 100

85 44.2 34.4 51.6

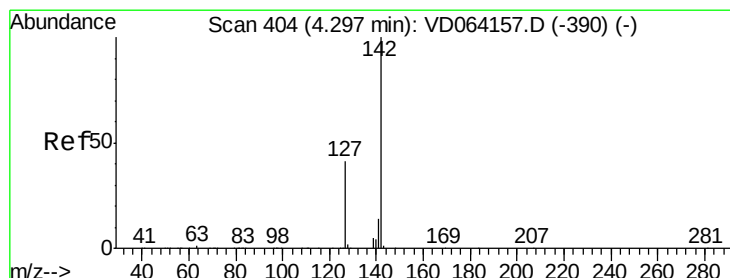
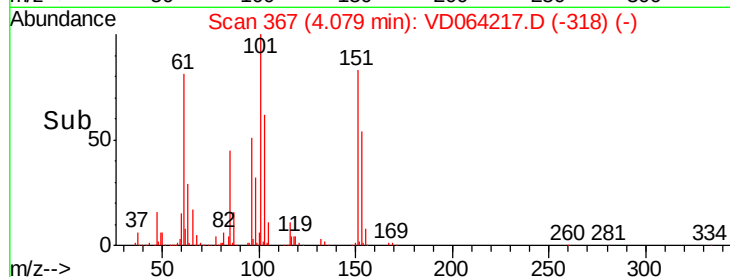
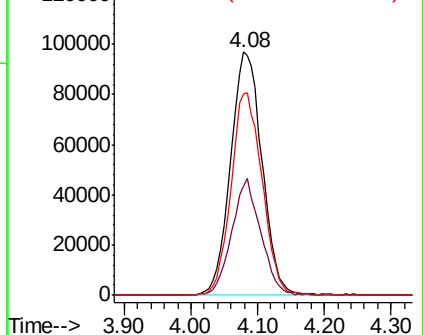
151 81.9 68.1 102.1



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: 50.924 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

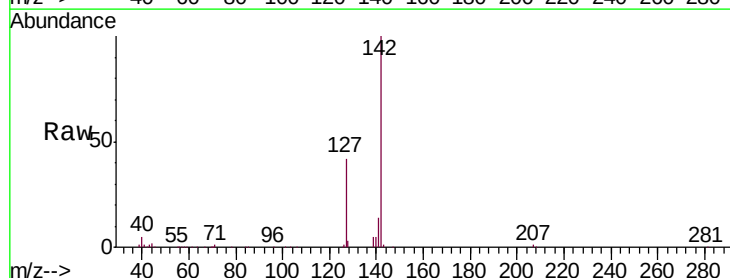
Tgt Ion:142 Resp: 348740

Ion Ratio Lower Upper

142 100

127 43.5 34.4 51.6

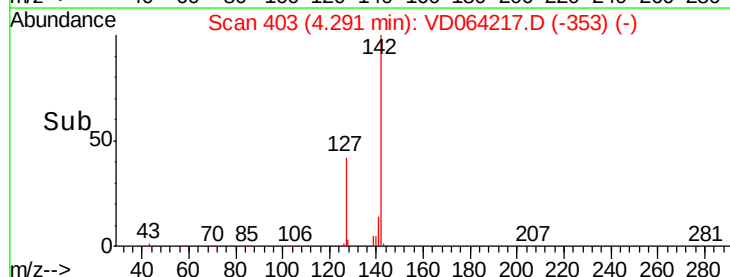
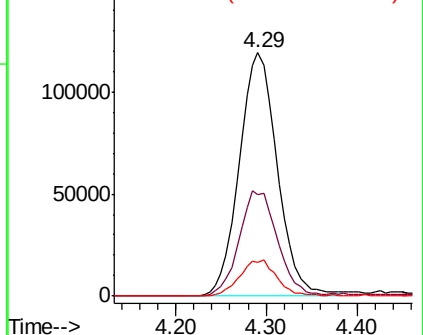
141 14.7 11.2 16.8

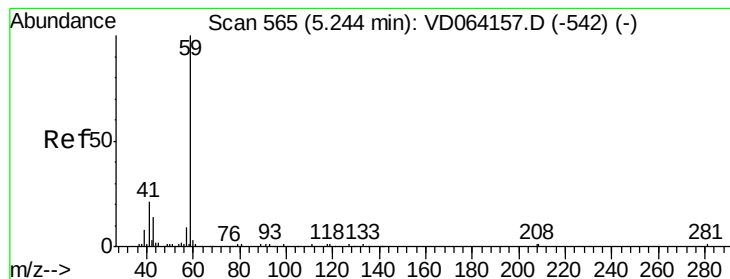


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



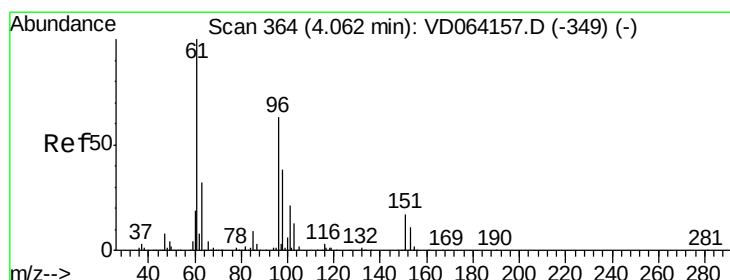
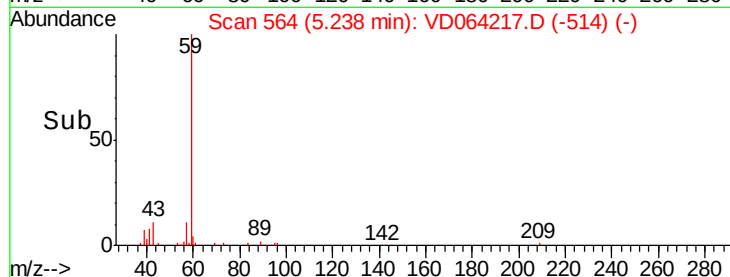
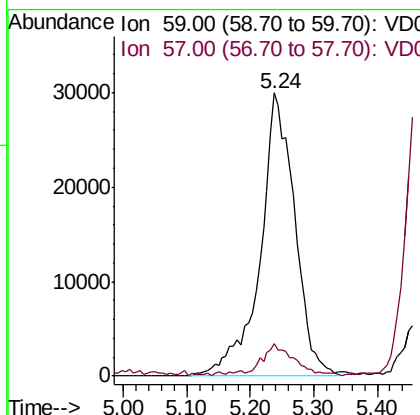
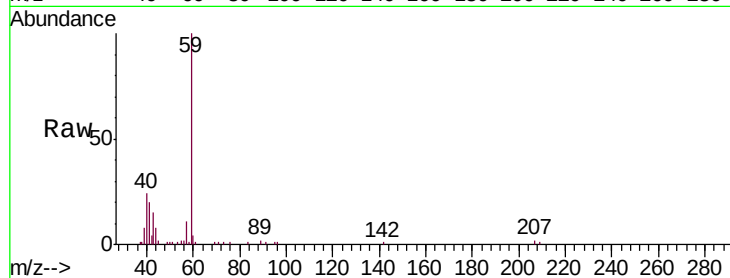


#11

Tert butyl alcohol
 Concen: 290.148 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

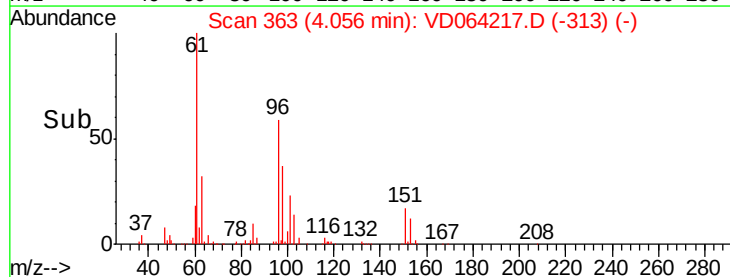
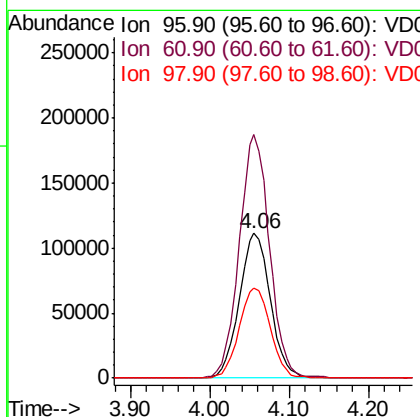
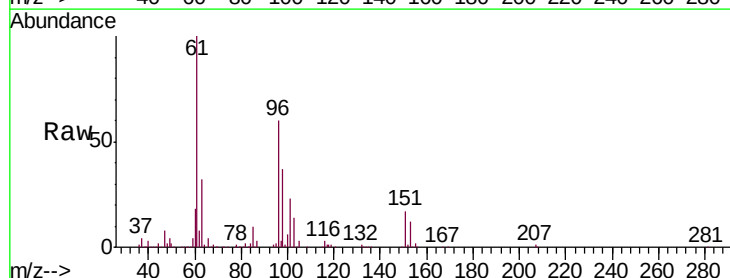
Tgt Ion: 59 Resp: 113338
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.4 14.2#

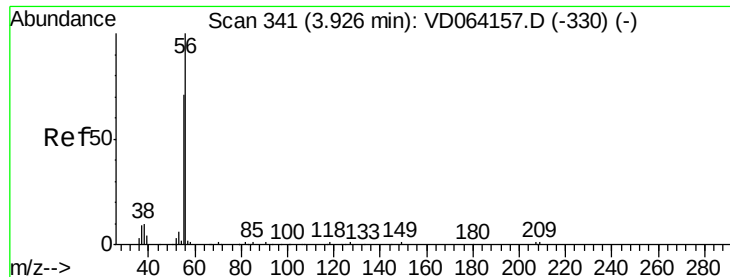


#12

1,1-Dichloroethene
 Concen: 52.651 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion: 96 Resp: 300845
 Ion Ratio Lower Upper
 96 100
 61 168.2 127.4 191.2
 98 62.2 48.1 72.1





#13

Acrolein

Concen: 320.668 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

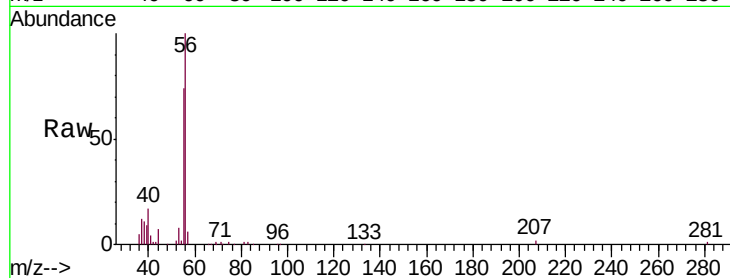
VSTDCCC050

Tgt Ion: 56 Resp: 105967

Ion Ratio Lower Upper

56 100

55 70.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

40000

30000

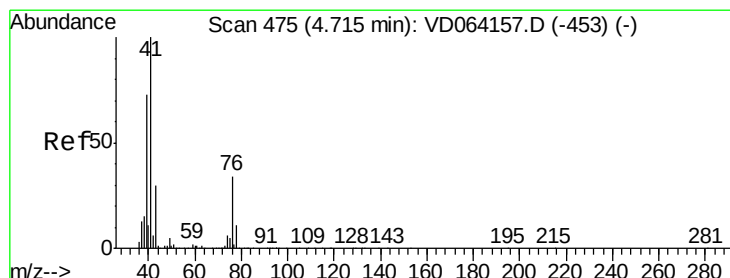
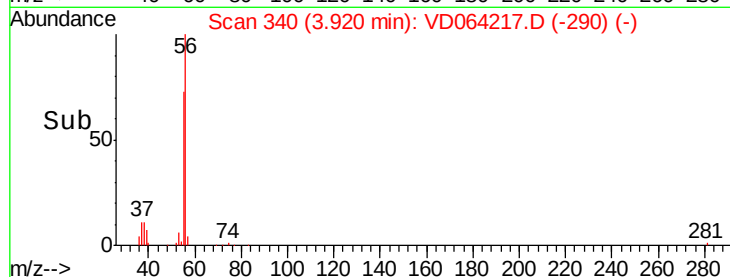
20000

10000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 51.668 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

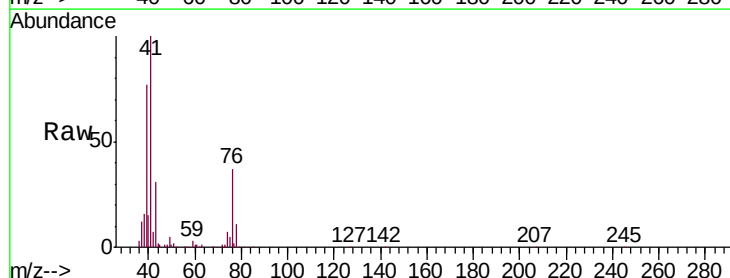
Tgt Ion: 41 Resp: 521986

Ion Ratio Lower Upper

41 100

39 74.2 57.5 86.3

76 35.4 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

200000

150000

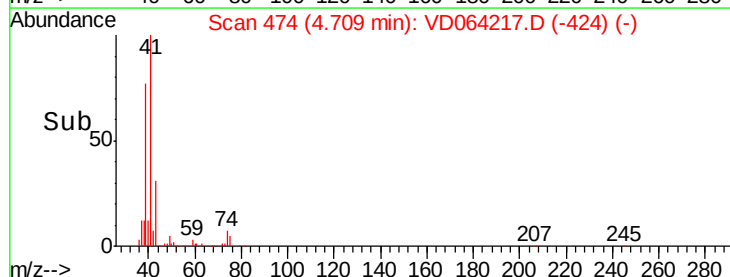
100000

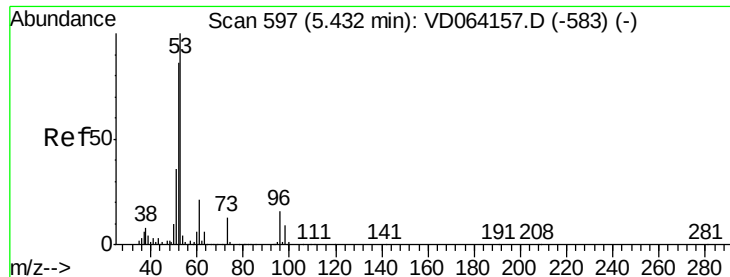
50000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 262.890 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

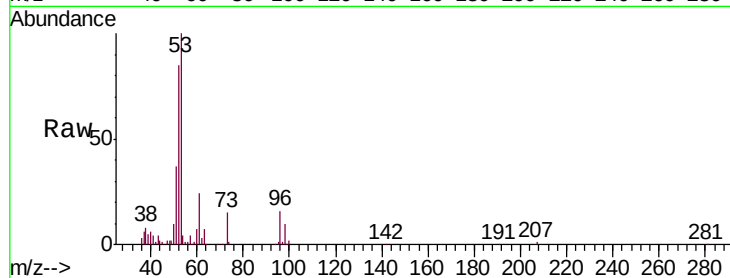
Tgt Ion: 53 Resp: 323202

Ion Ratio Lower Upper

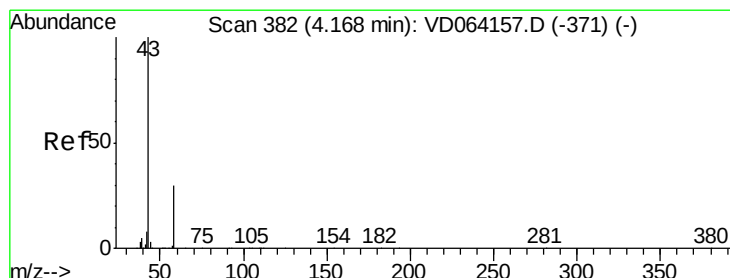
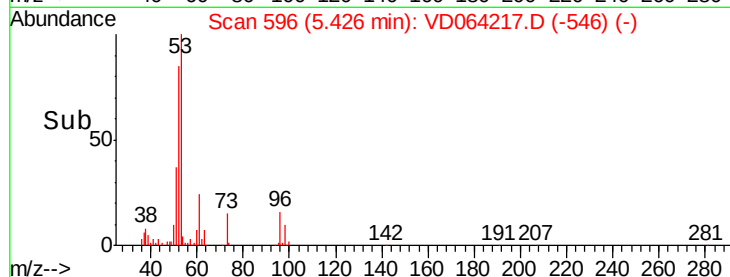
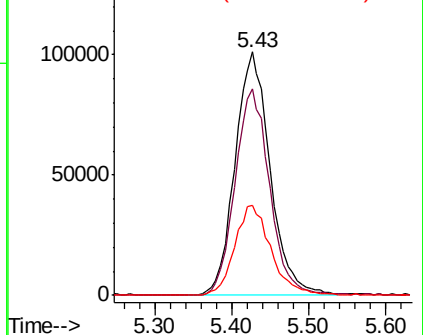
53 100

52 83.5 66.7 100.1

51 38.3 30.6 46.0



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: 254.711 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064217.D

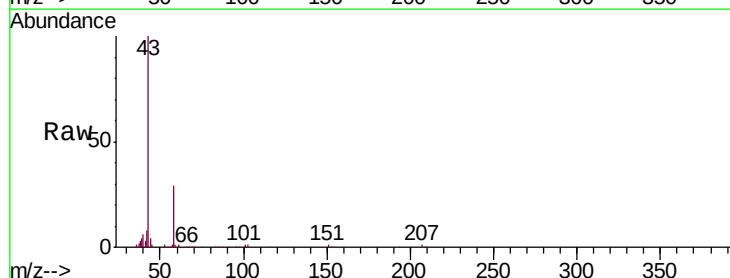
Acq: 15 Nov 2019 10:05

Tgt Ion: 43 Resp: 337467

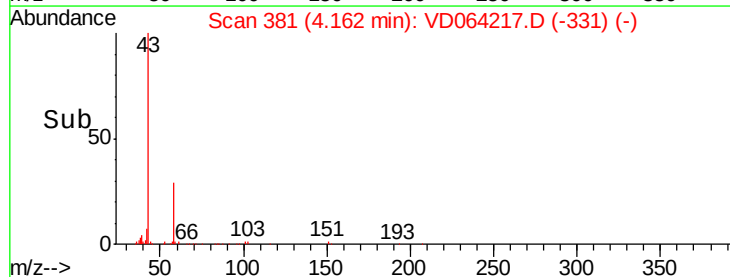
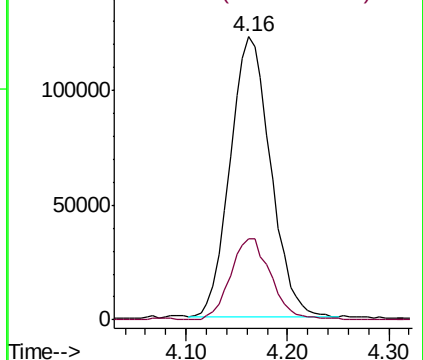
Ion Ratio Lower Upper

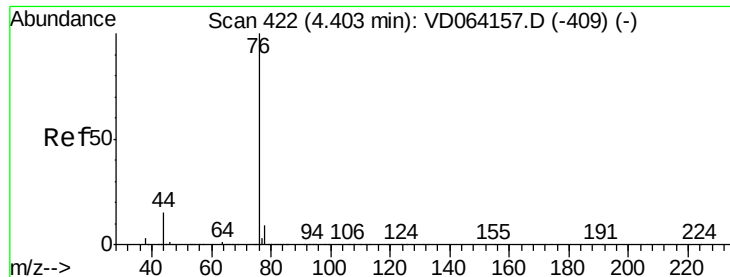
43 100

58 29.0 24.1 36.1



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





#17

Carbon Disulfide

Concen: 51.296 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

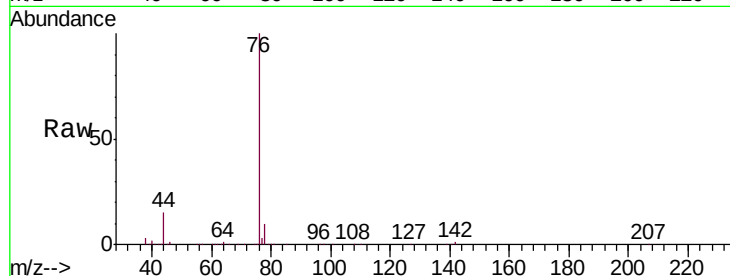
VSTDCCC050

Tgt Ion: 76 Resp: 912775

Ion Ratio Lower Upper

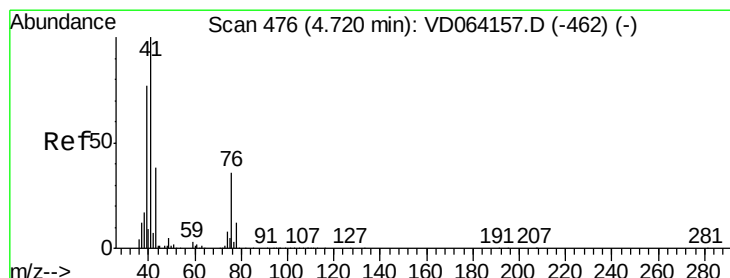
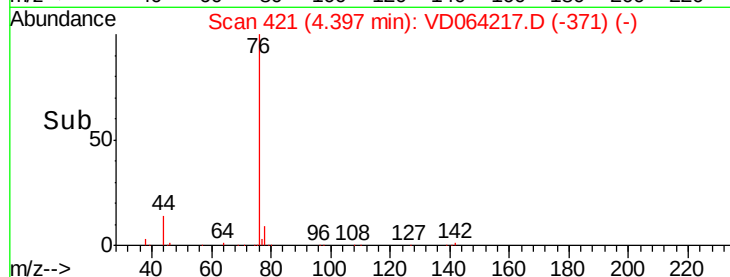
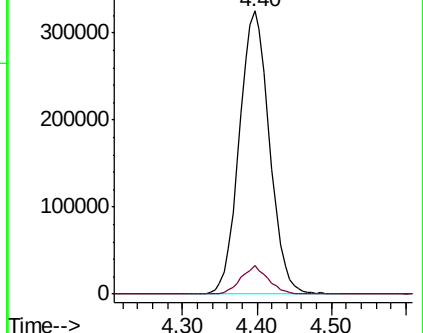
76 100

78 9.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 49.872 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064217.D

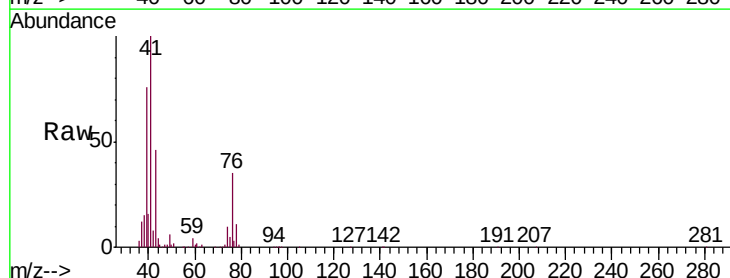
Acq: 15 Nov 2019 10:05

Tgt Ion: 43 Resp: 184552

Ion Ratio Lower Upper

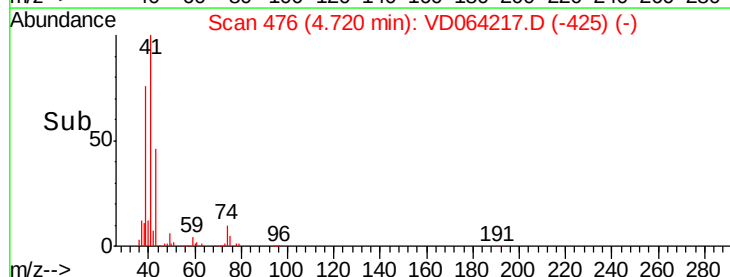
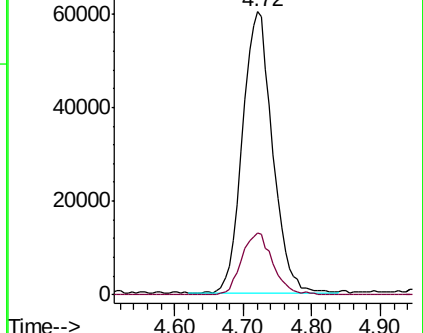
43 100

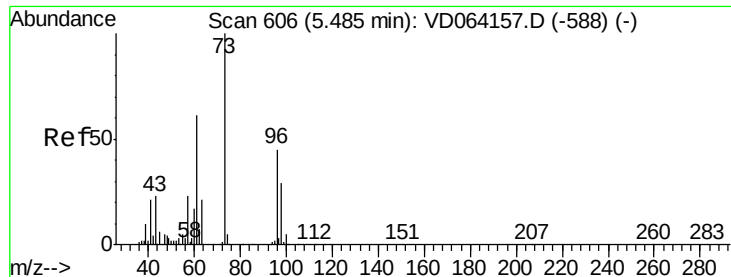
74 22.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

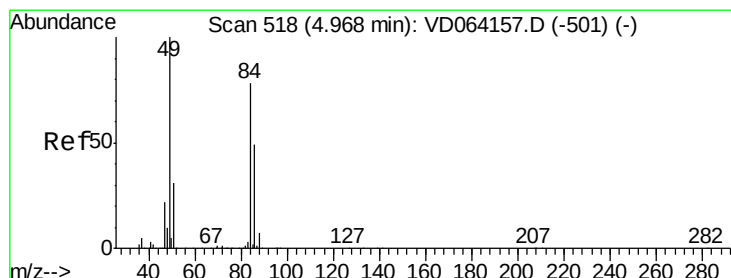
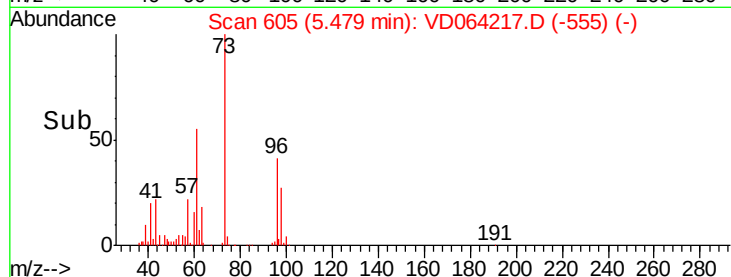
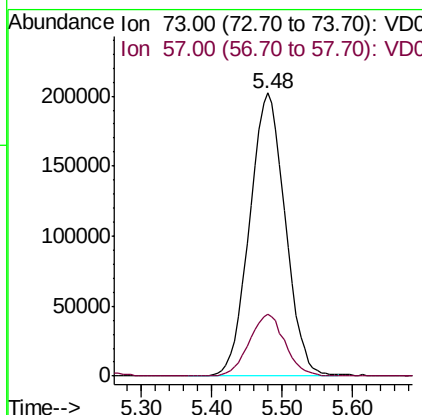
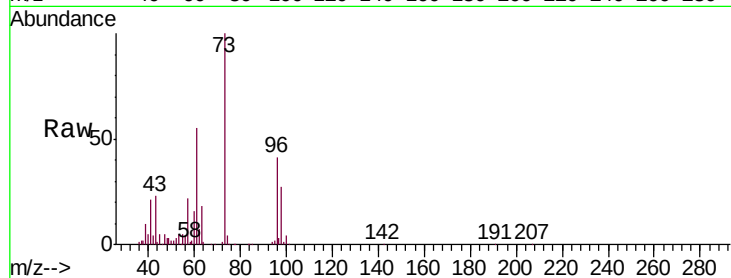




#19
Methyl tert-butyl Ether
Concen: 52.247 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

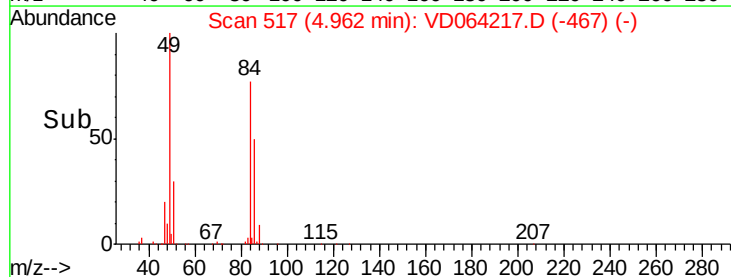
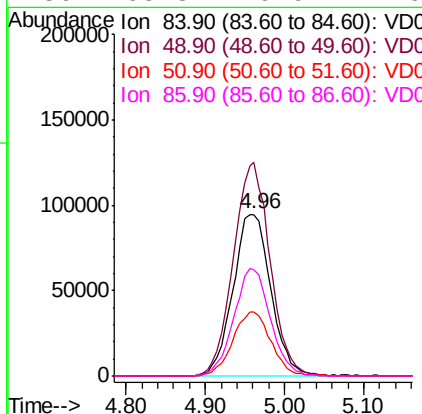
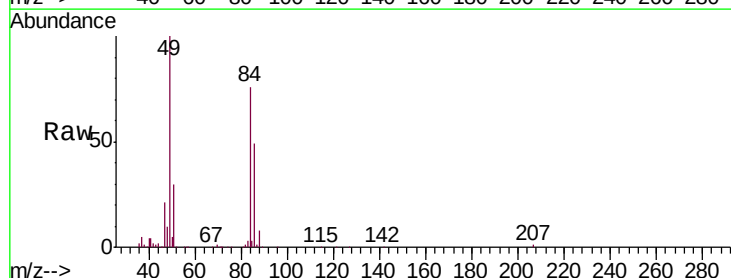
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

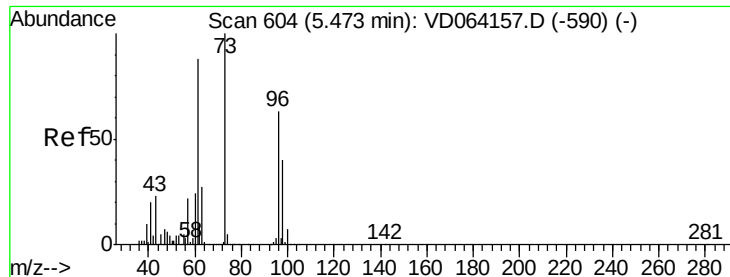
Tgt Ion: 73 Resp: 712688
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6



#20
Methylene Chloride
Concen: 46.761 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 84 Resp: 312949
Ion Ratio Lower Upper
84 100
49 131.8 102.1 153.1
51 39.8 32.2 48.2
86 65.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.032 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

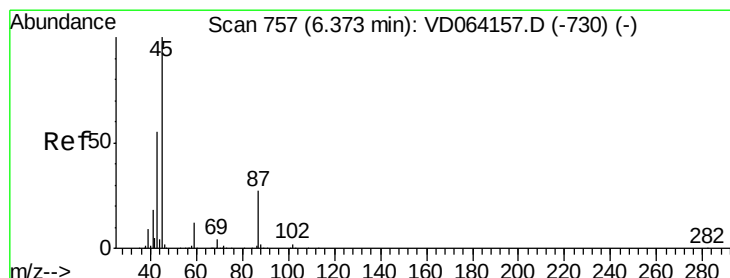
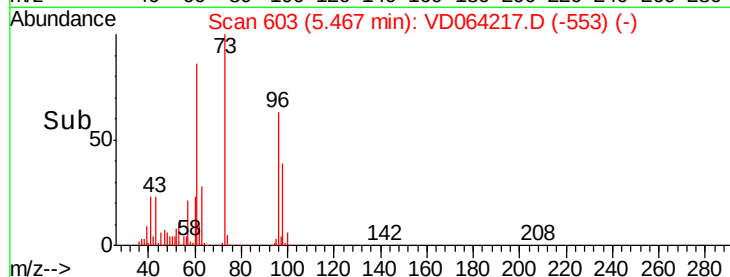
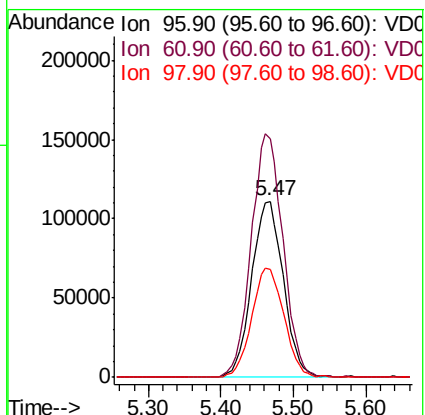
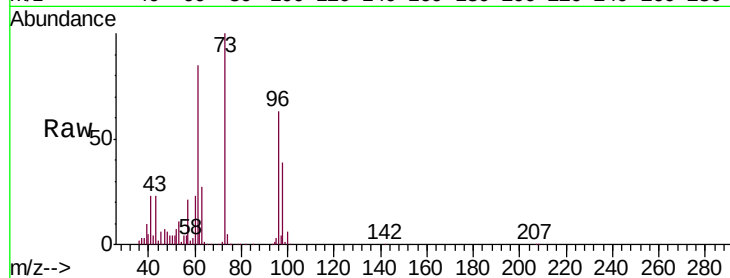
Tgt Ion: 96 Resp: 336839

Ion Ratio Lower Upper

96 100

61 135.2 111.8 167.6

98 61.5 50.3 75.5



#22

Diisopropyl ether

Concen: 51.893 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion: 45 Resp: 972724

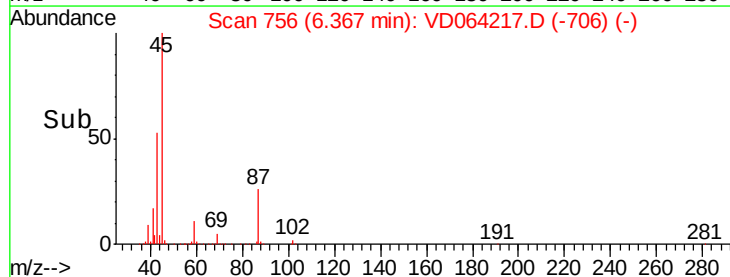
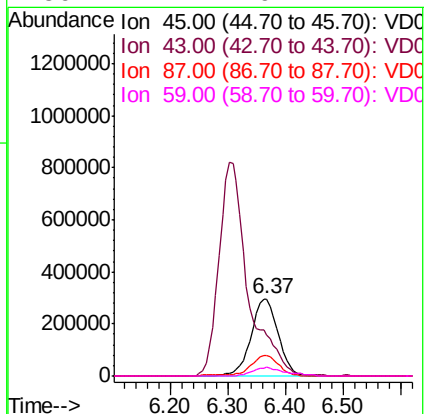
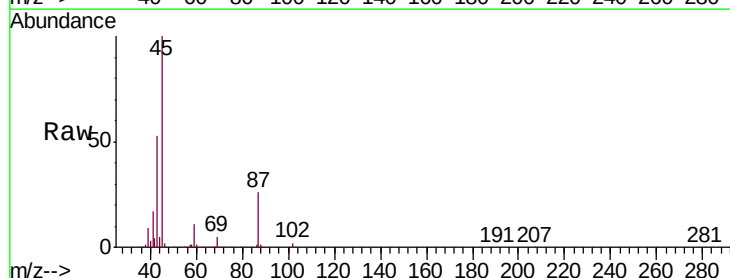
Ion Ratio Lower Upper

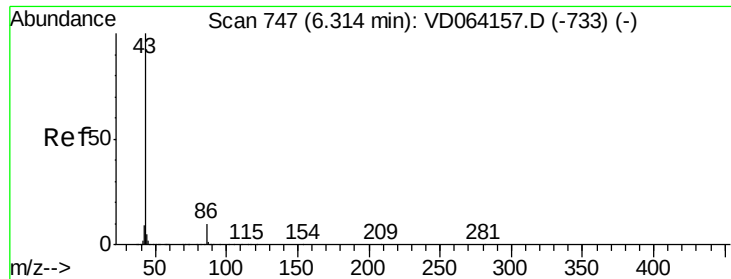
45 100

43 53.0 44.4 66.6

87 25.9 21.9 32.9

59 11.2 9.4 14.2

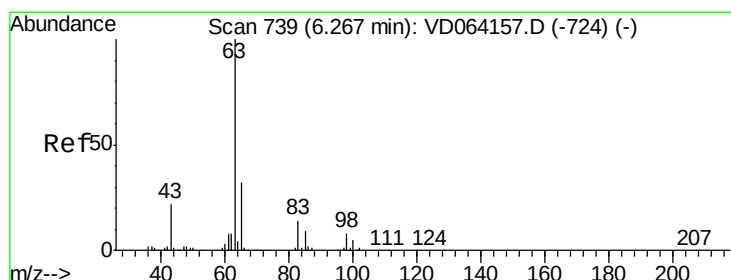
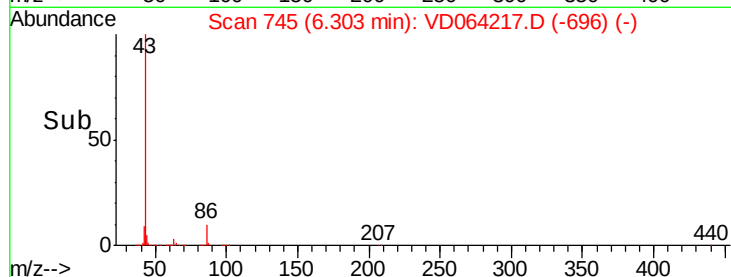
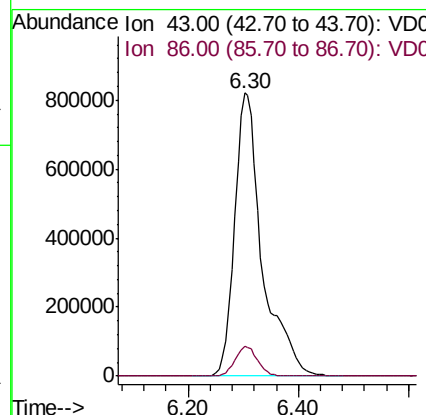
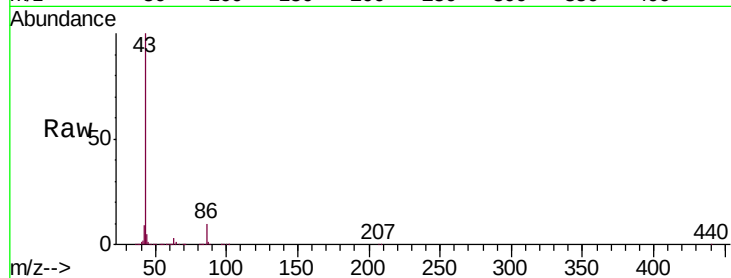




#23
 Vinyl Acetate
 Concen: 274.247 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

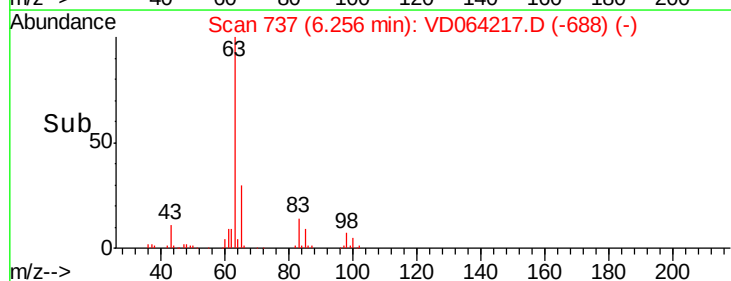
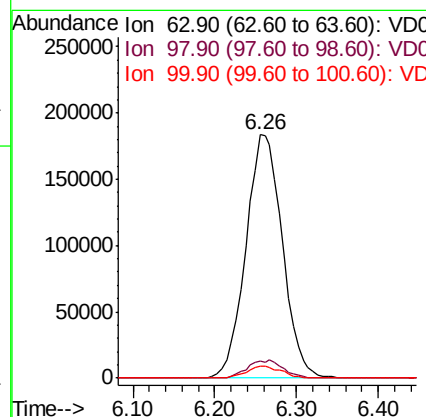
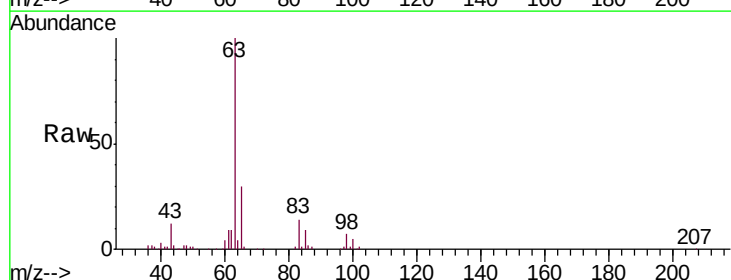
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

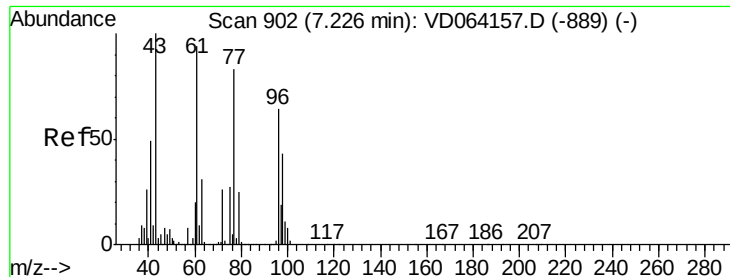
Tgt Ion: 43 Resp: 2865567
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 52.376 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion: 63 Resp: 570051
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.4
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 257.596 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

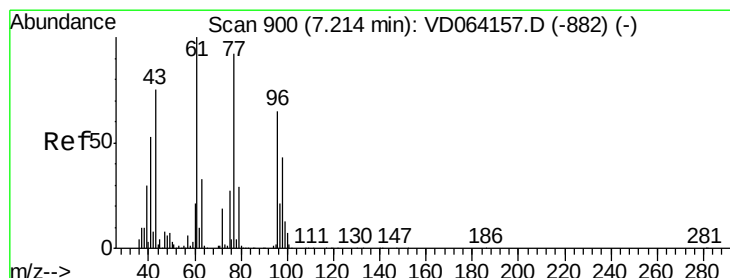
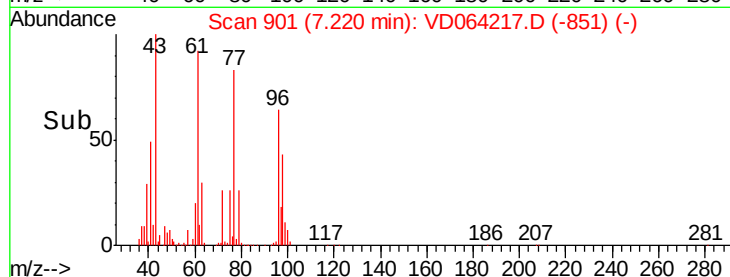
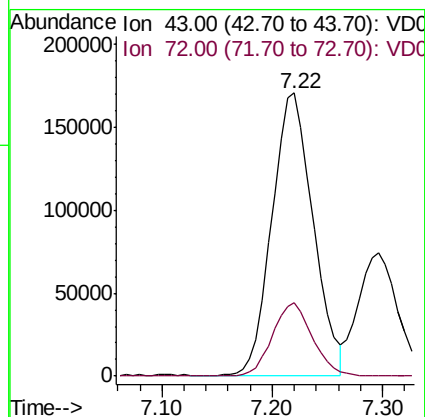
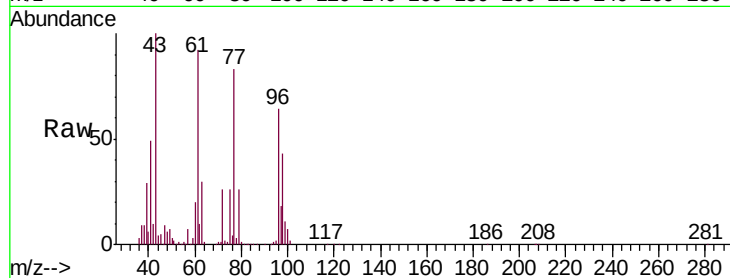
VSTDCCC050

Tgt Ion: 43 Resp: 440928

Ion Ratio Lower Upper

43 100

72 26.0 20.6 30.8



#26

2,2-Dichloropropane

Concen: 51.928 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064217.D

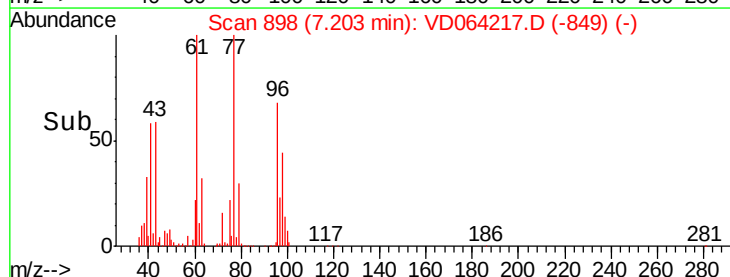
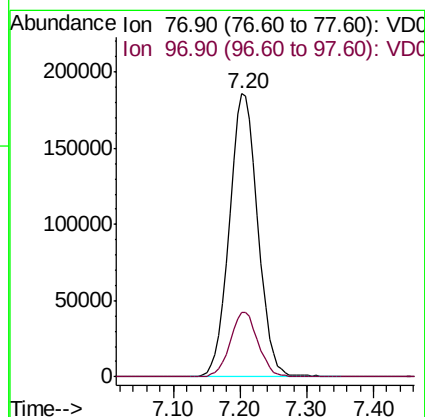
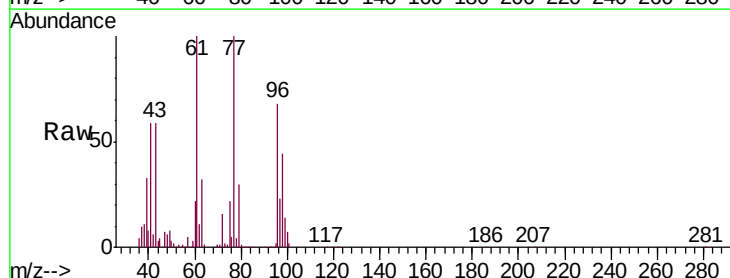
Acq: 15 Nov 2019 10:05

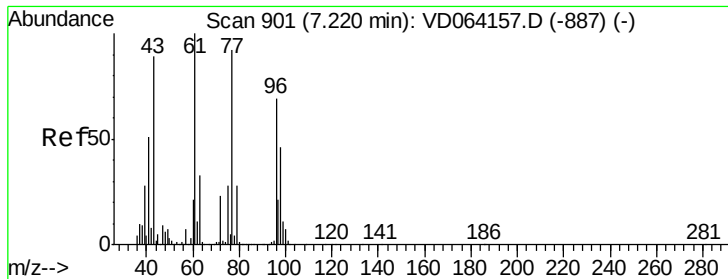
Tgt Ion: 77 Resp: 554256

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3



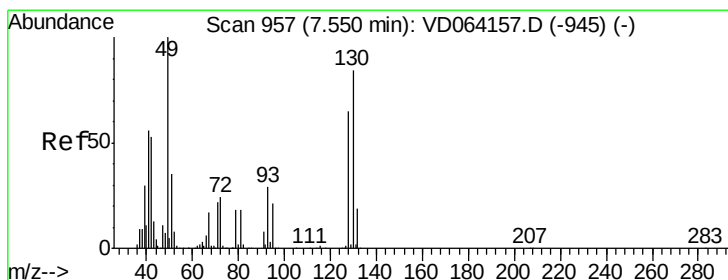
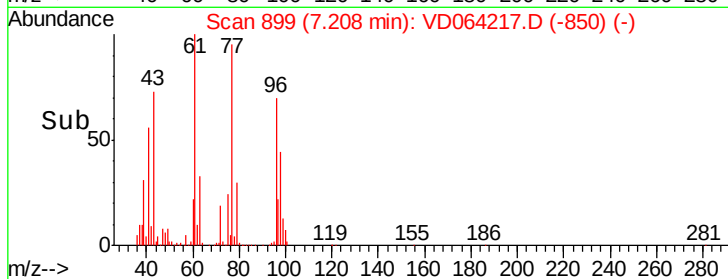
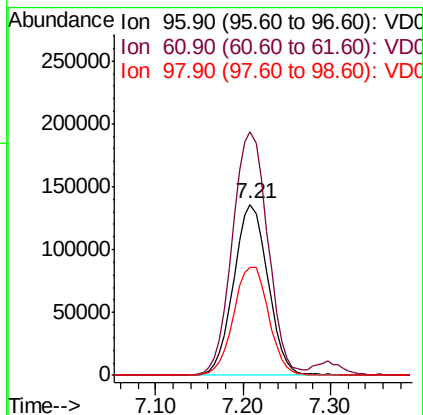
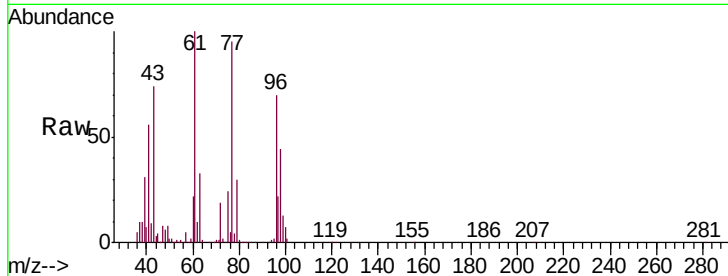


#27

cis-1,2-Dichloroethene
Concen: 52.061 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

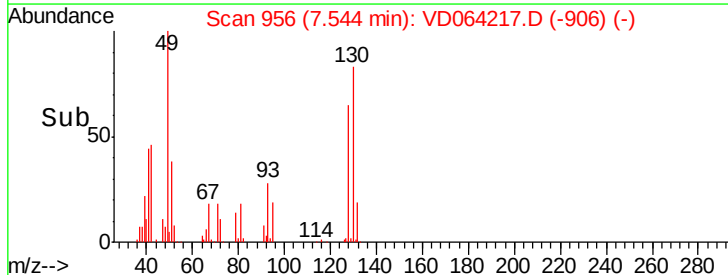
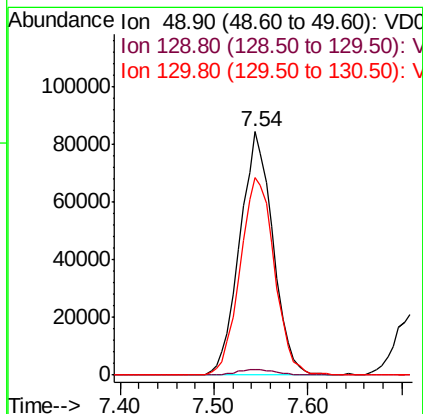
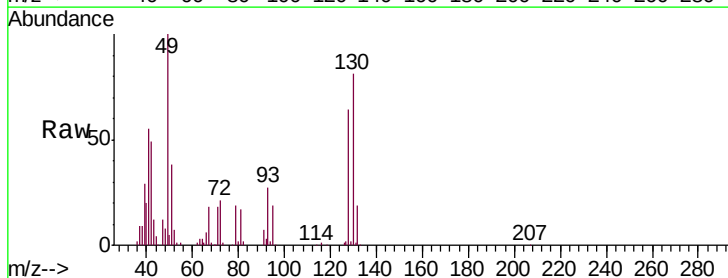
Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.4
98	65.0	0.0	133.2

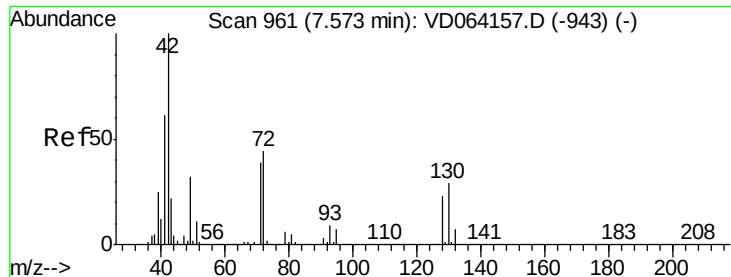


#28

Bromochloromethane
Concen: 54.426 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	84.3	66.8	100.2

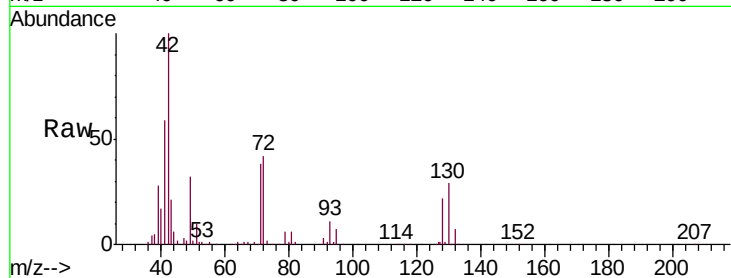




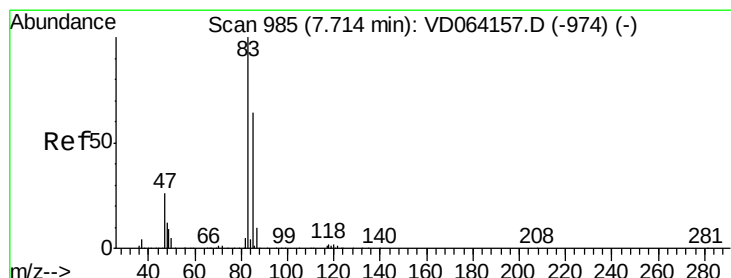
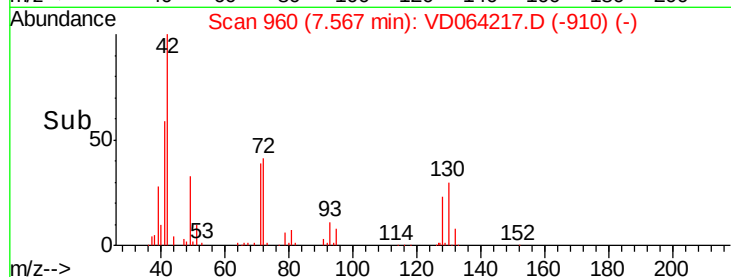
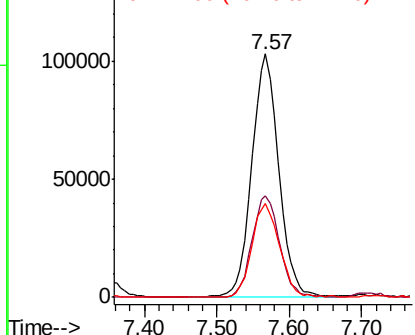
#29
Tetrahydrofuran
Concen: 260.938 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 268355
Ion Ratio Lower Upper
42 100
72 42.3 33.4 50.2
71 38.9 31.0 46.4

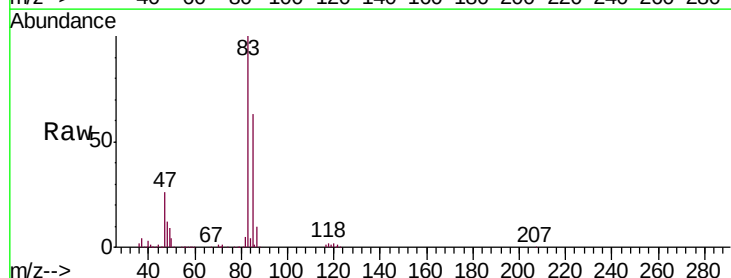


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

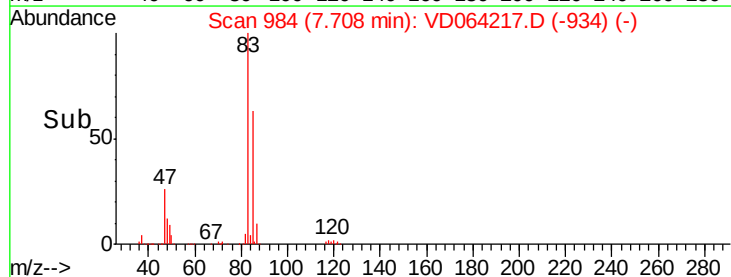
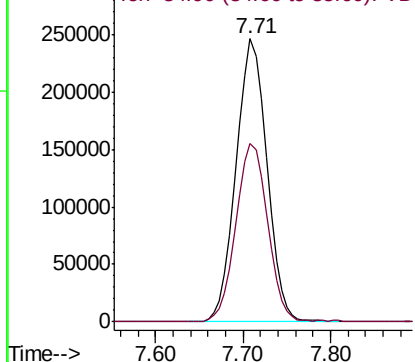


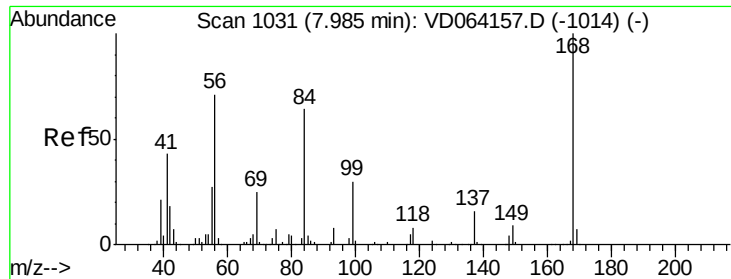
#30
Chloroform
Concen: 52.985 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 83 Resp: 589885
Ion Ratio Lower Upper
83 100
85 63.1 51.4 77.0



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

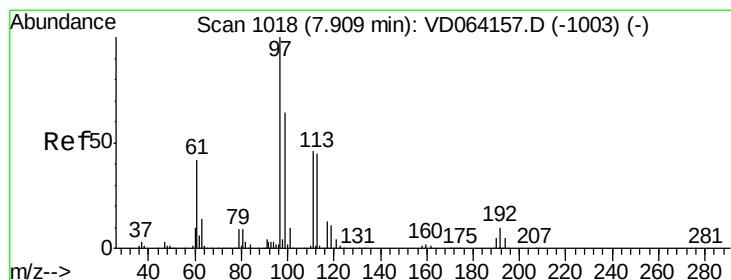
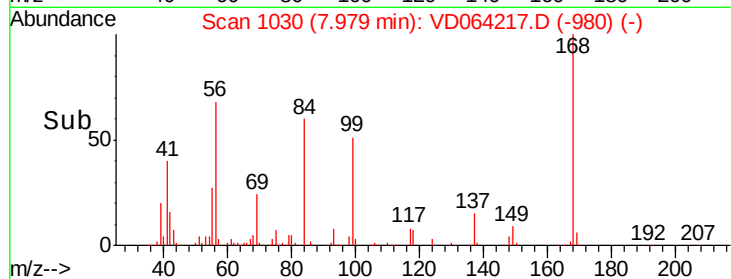
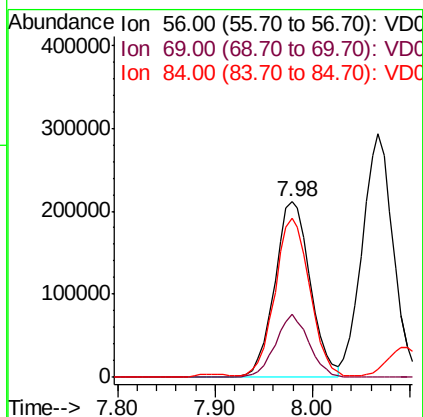
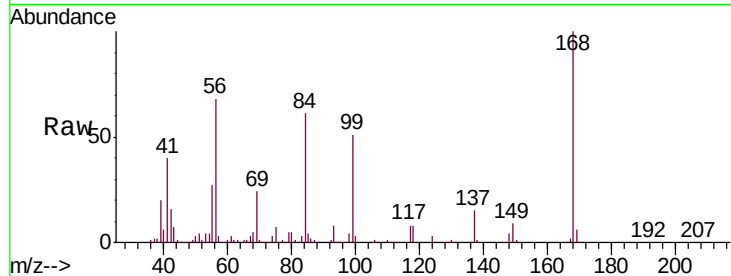




#31
Cyclohexane
Concen: 49.187 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

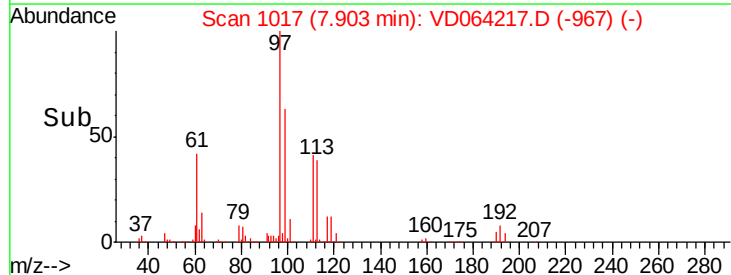
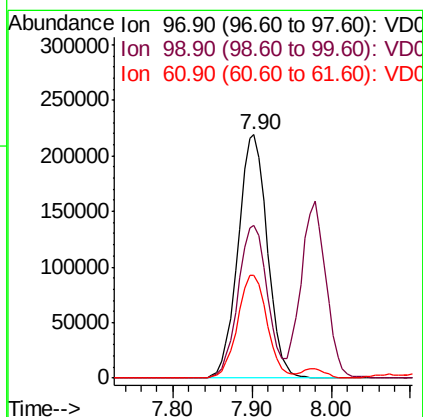
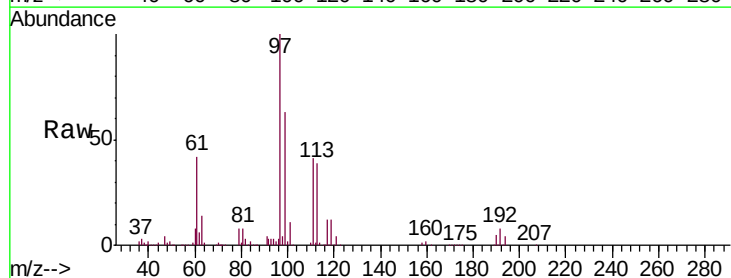
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

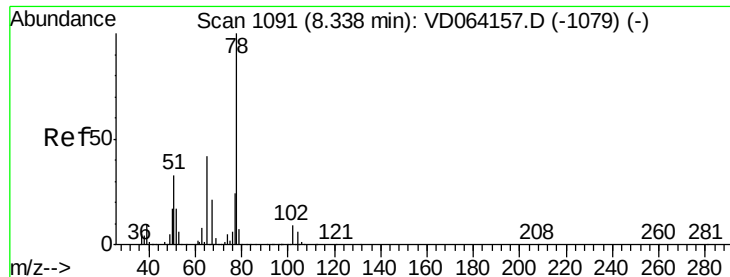
Tgt Ion: 56 Resp: 539905
Ion Ratio Lower Upper
56 100
69 35.5 28.2 42.4
84 90.1 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 52.581 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 97 Resp: 560524
Ion Ratio Lower Upper
97 100
99 63.0 51.6 77.4
61 42.9 34.2 51.2

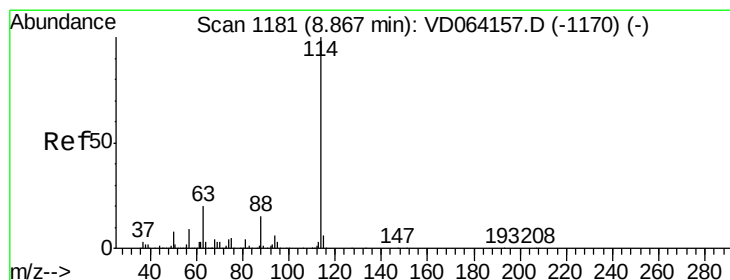
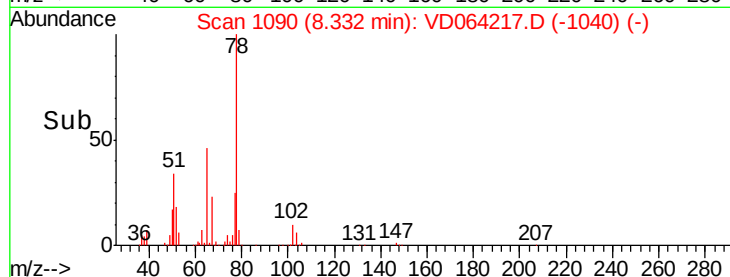
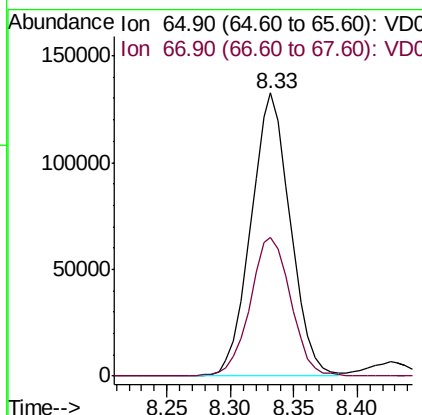
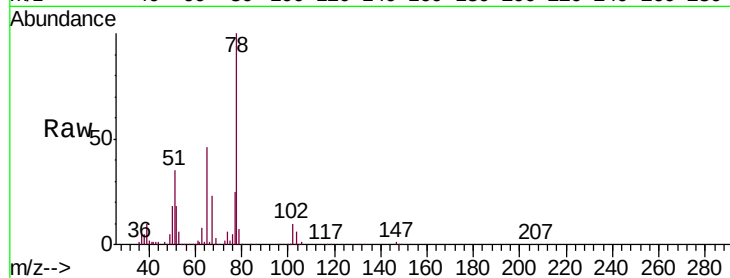




#33
 1,2-Dichloroethane-d4
 Concen: 51.241 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

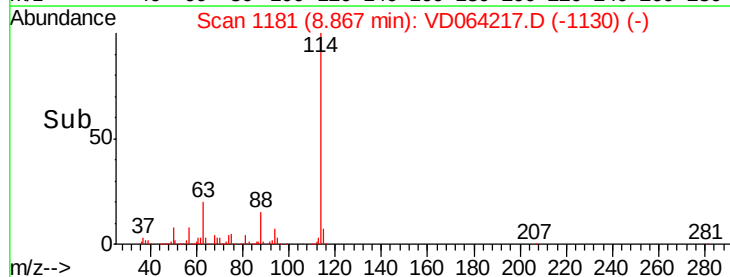
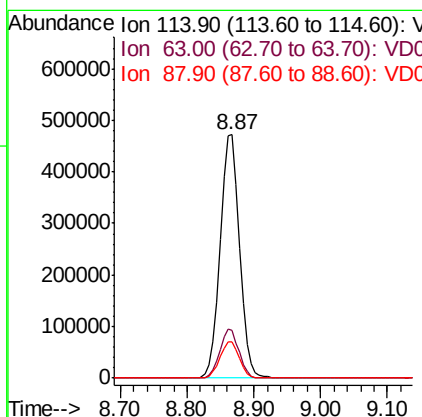
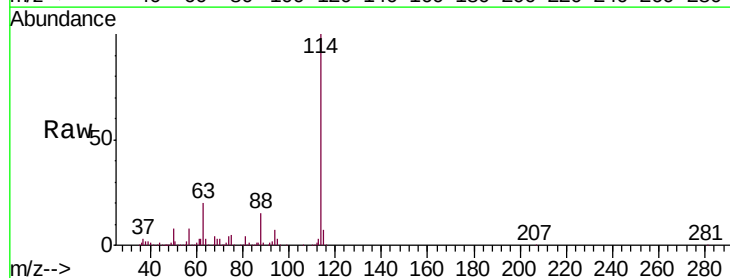
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

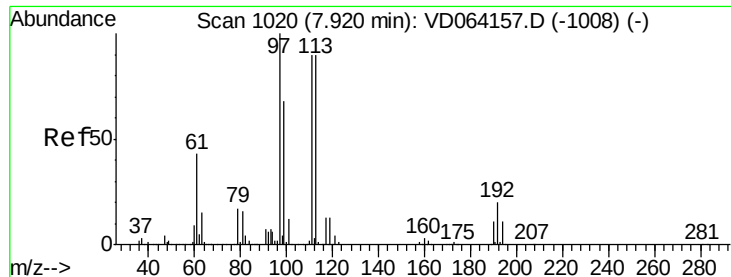
Tgt Ion: 65 Resp: 286574
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion: 114 Resp: 974143
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.0 0.0 30.2

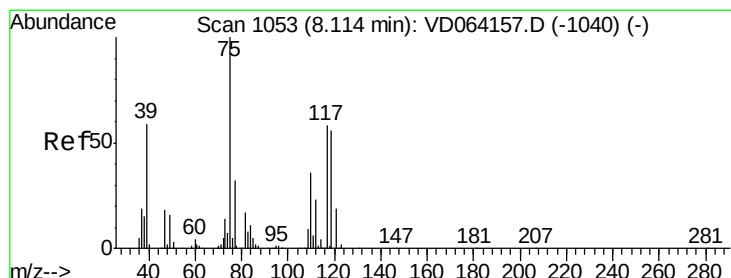
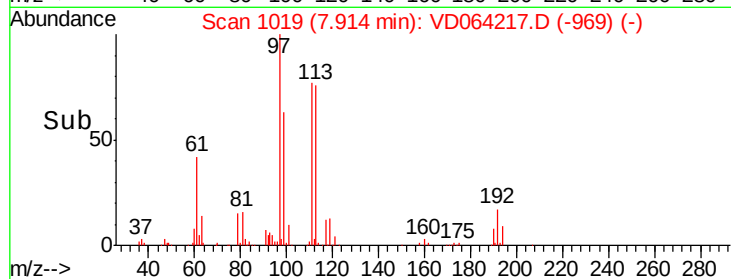
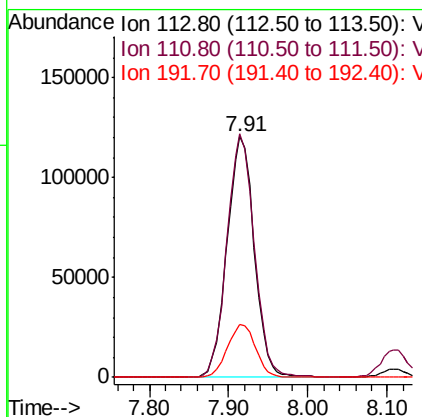
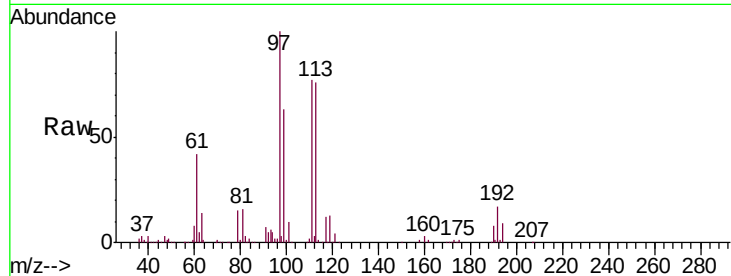




#35
 Dibromofluoromethane
 Concen: 51.166 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

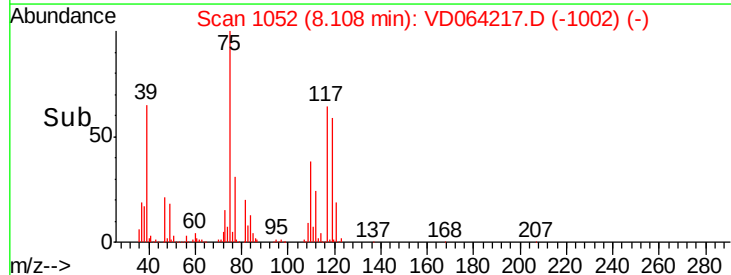
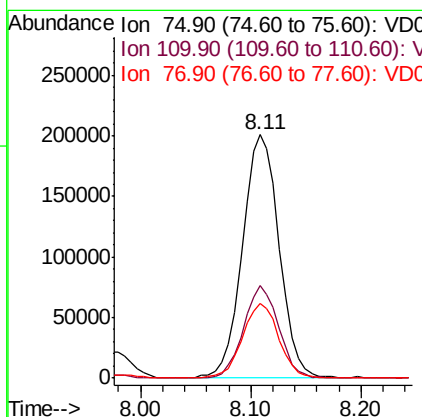
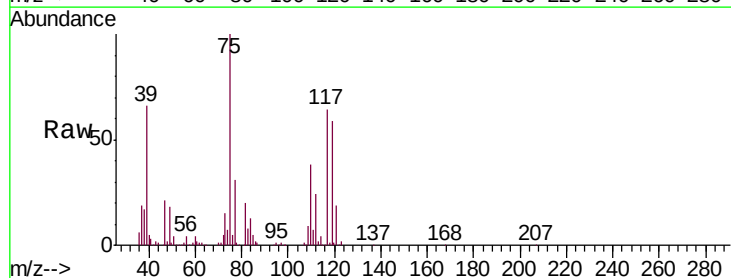
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

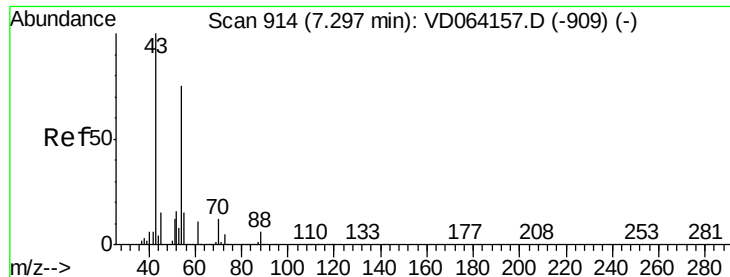
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	22.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 51.837 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	30.9	25.0	37.6

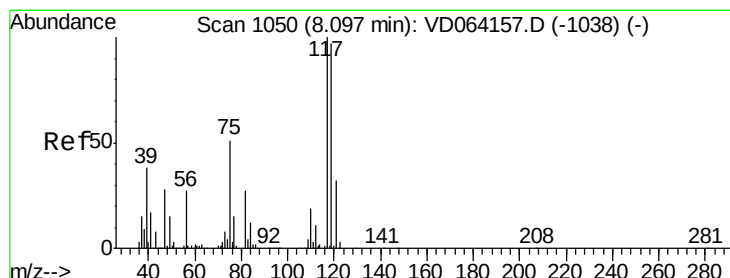
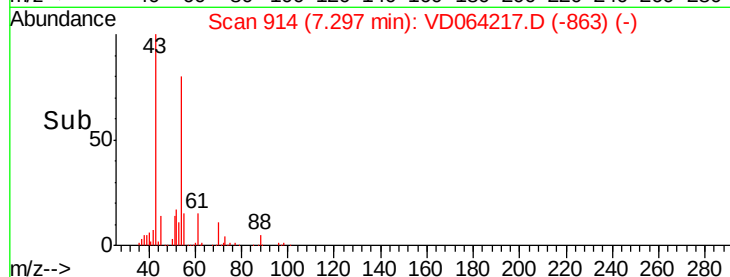
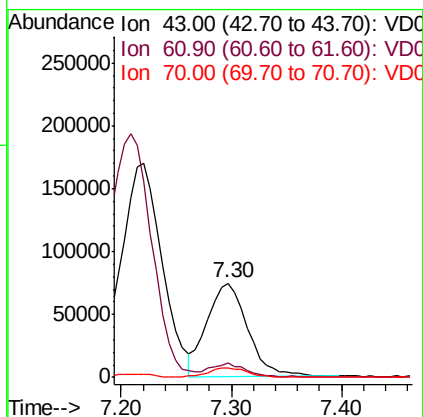
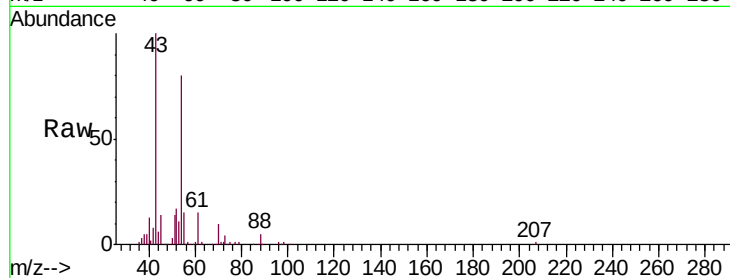




#37
Ethyl Acetate
Concen: 49.745 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

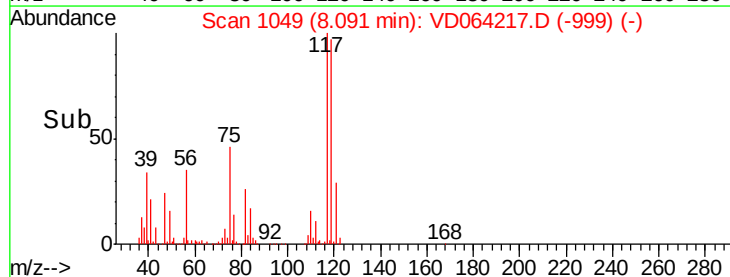
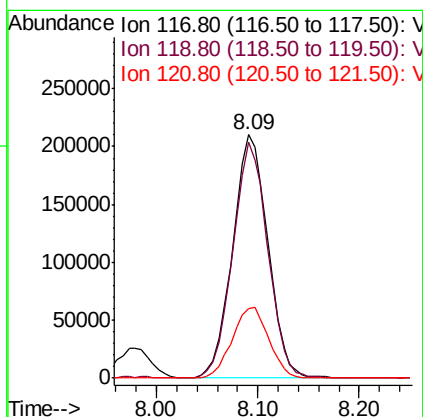
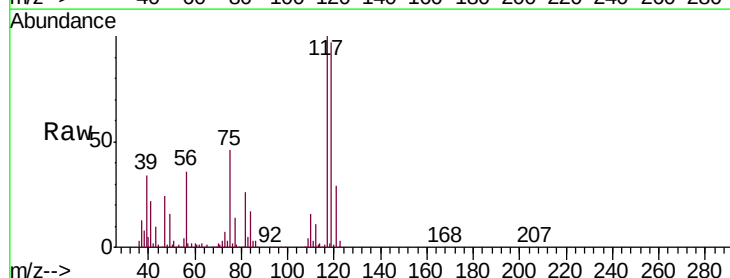
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

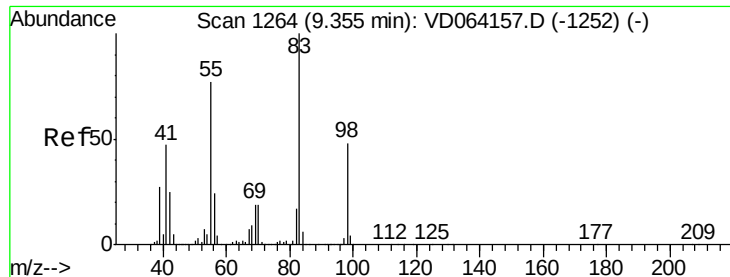
Tgt Ion: 43 Resp: 188543
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.2
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 52.754 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 117 Resp: 507494
Ion Ratio Lower Upper
117 100
119 97.1 77.2 115.8
121 28.8 25.5 38.3

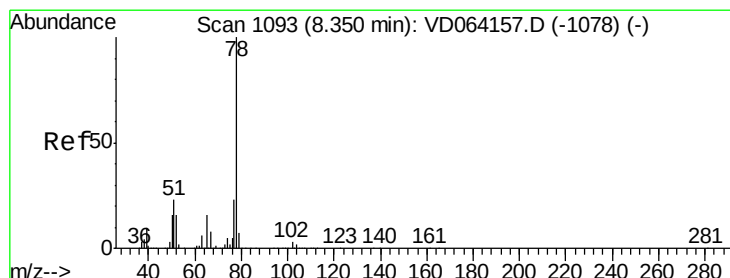
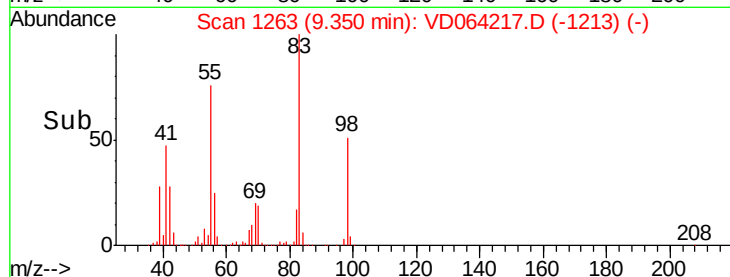
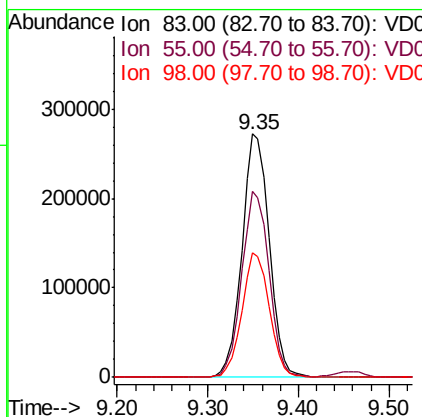
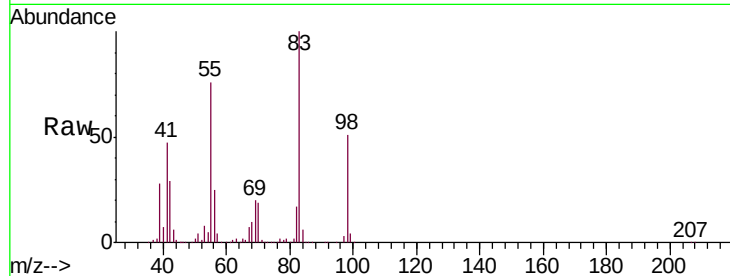




#39
Methylcyclohexane
Concen: 50.017 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

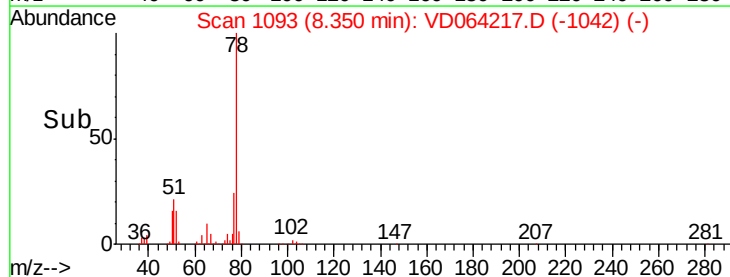
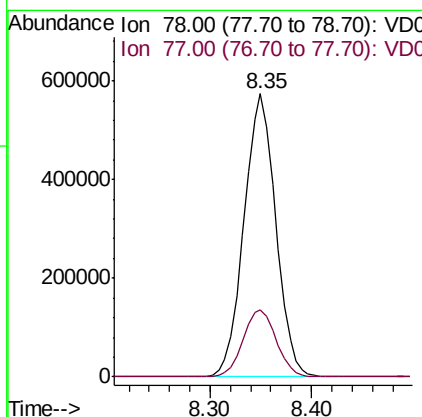
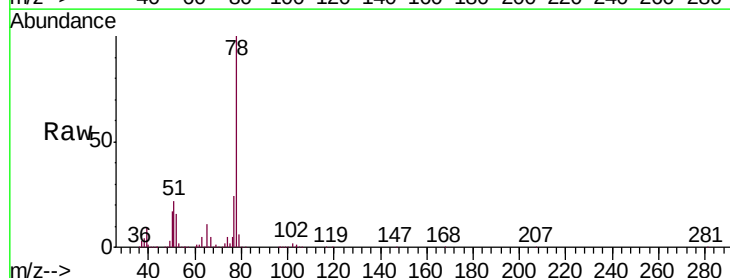
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

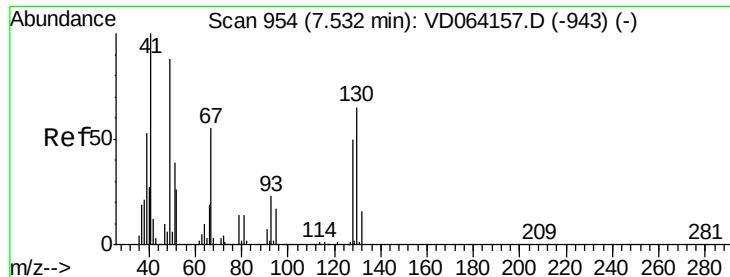
Tgt Ion: 83 Resp: 569009
Ion Ratio Lower Upper
83 100
55 76.3 61.7 92.5
98 51.1 38.6 58.0



#40
Benzene
Concen: 50.756 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 78 Resp: 1247122
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

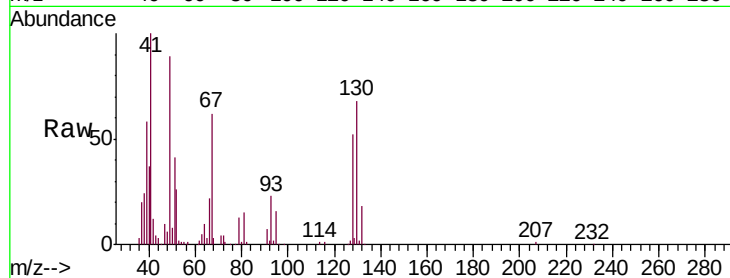




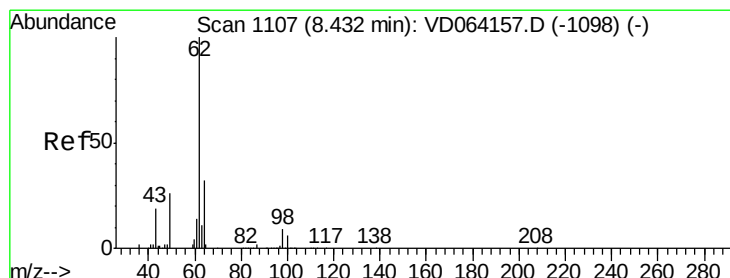
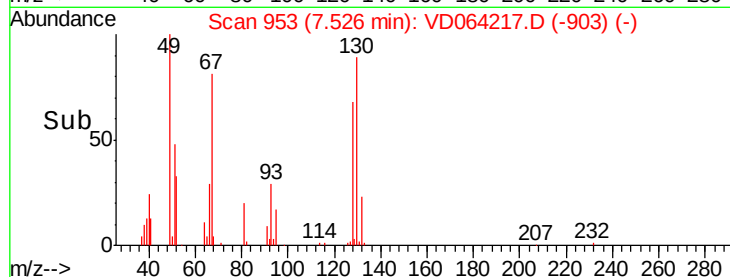
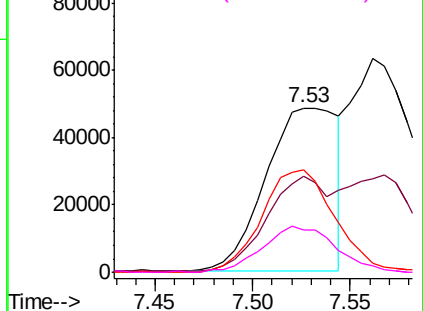
#41
Methacrylonitrile
Concen: 52.214 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	124385
Ion	Ratio	Lower	Upper
41	100		
39	47.4	49.4	74.2#
67	63.6	49.6	74.4
52	28.4	21.4	32.0

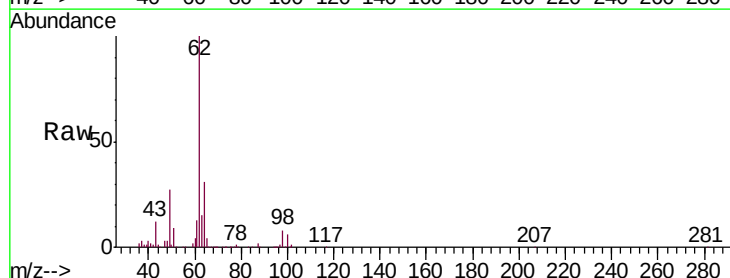


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

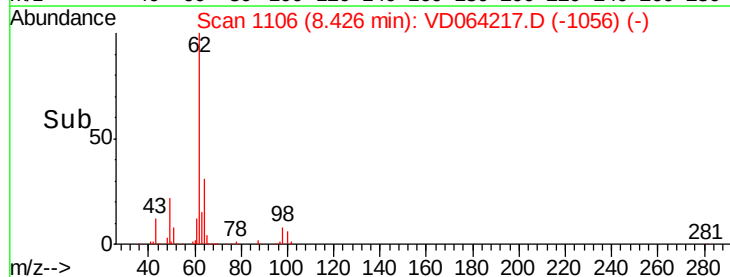
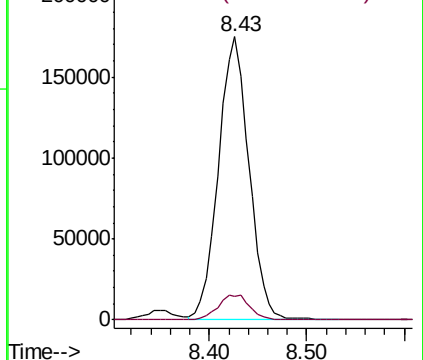


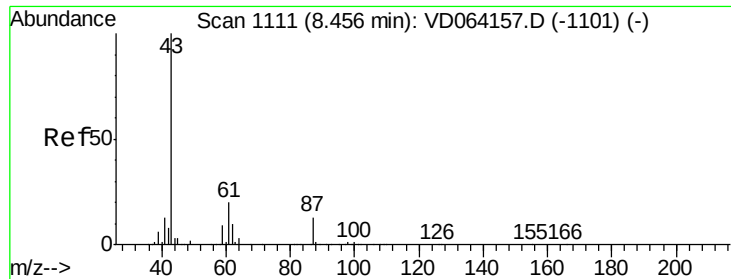
#42
1,2-Dichloroethane
Concen: 51.218 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion:	62	Resp:	377975
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 50.367 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

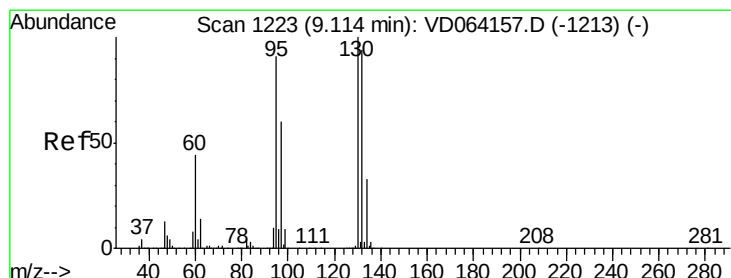
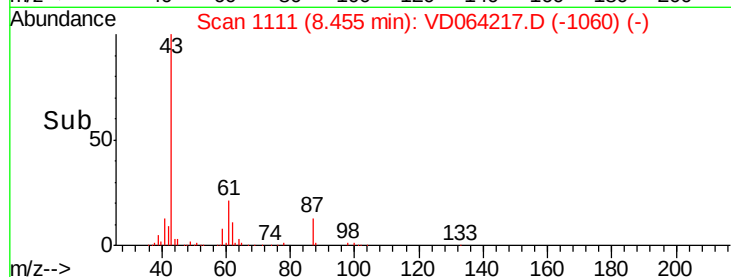
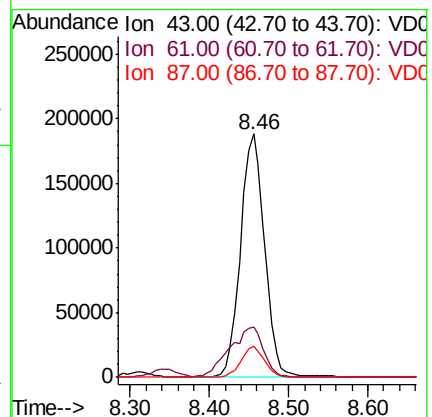
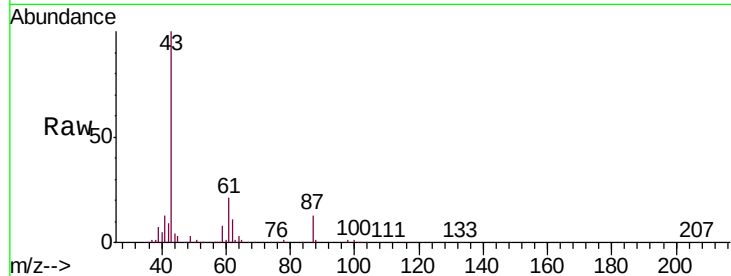
Tgt Ion: 43 Resp: 393333

Ion Ratio Lower Upper

43 100

61 28.9 22.9 34.3

87 12.5 10.2 15.2



#44

Trichloroethene

Concen: 51.206 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064217.D

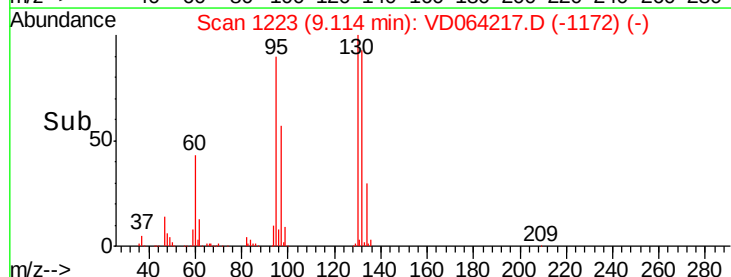
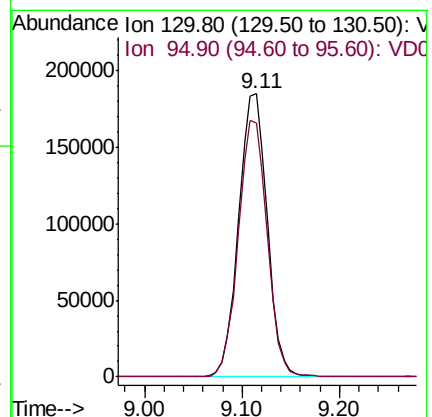
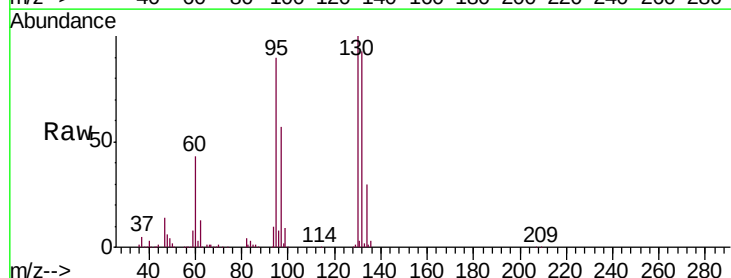
Acq: 15 Nov 2019 10:05

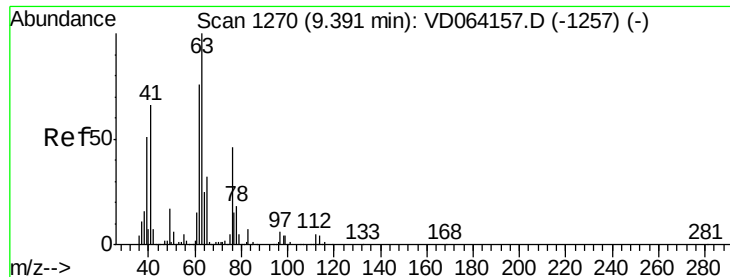
Tgt Ion: 130 Resp: 377626

Ion Ratio Lower Upper

130 100

95 89.9 0.0 181.6

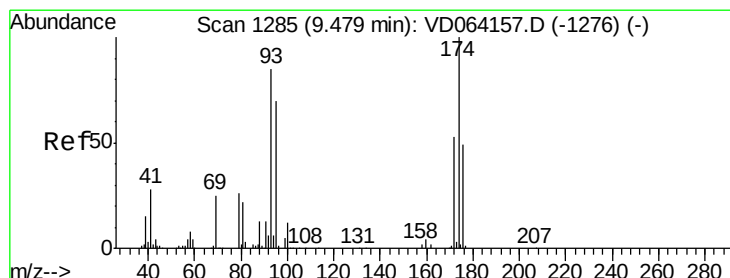
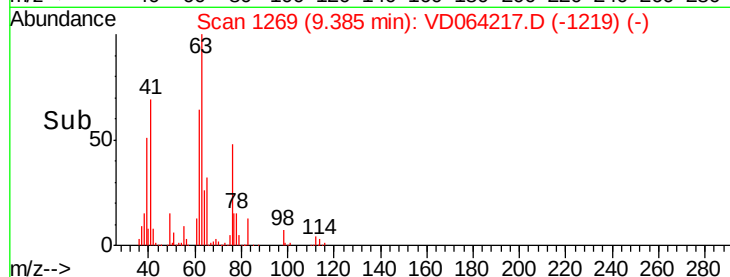
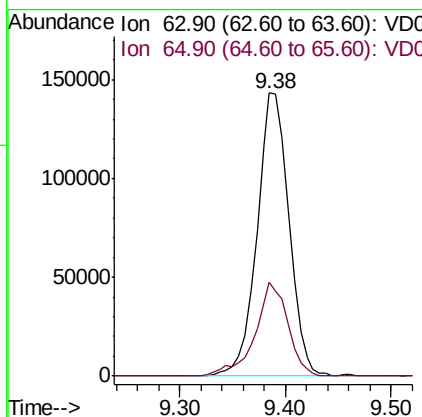
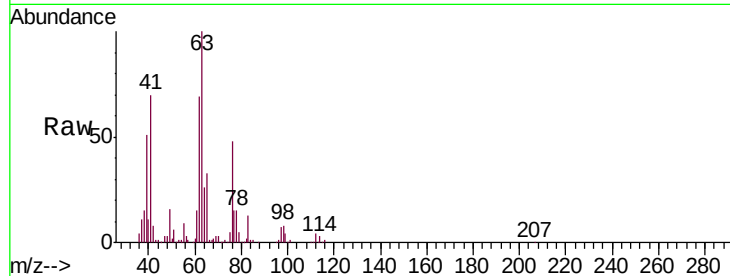




#45
 1,2-Dichloropropane
 Concen: 50.288 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

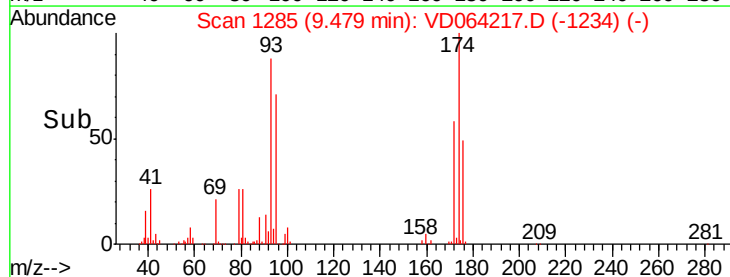
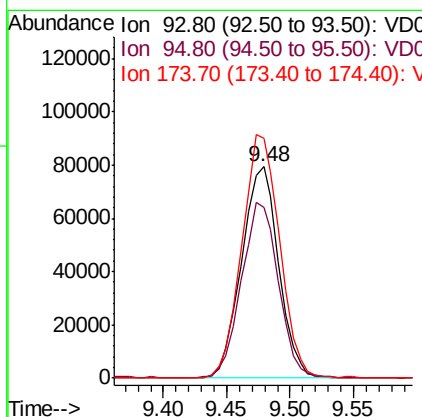
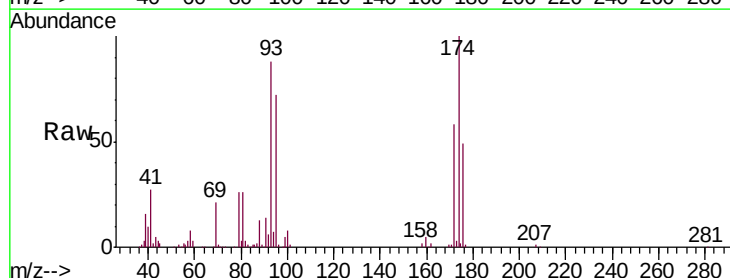
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

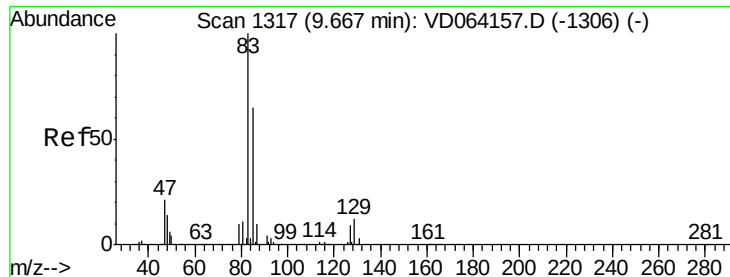
Tgt Ion: 63 Resp: 300751
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.7 38.5



#46
 Dibromomethane
 Concen: 50.635 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion: 93 Resp: 162119
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 116.8 93.9 140.9





#47

Bromodichloromethane

Concen: 51.294 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

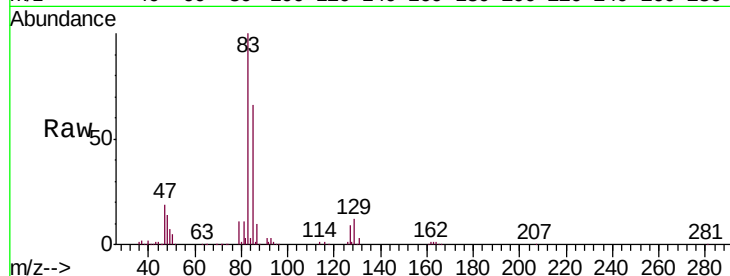
Tgt Ion: 83 Resp: 442371

Ion Ratio Lower Upper

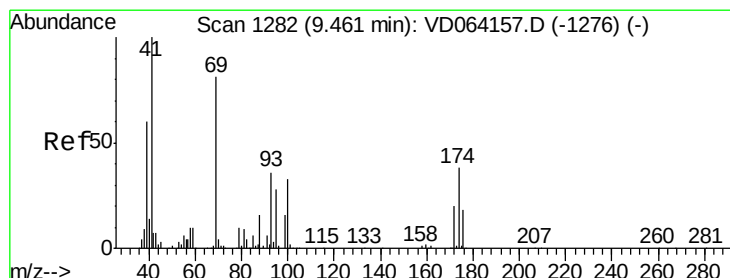
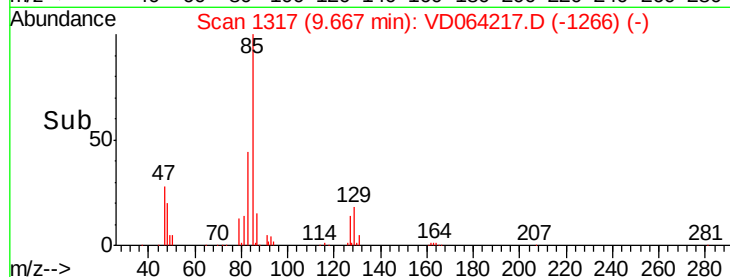
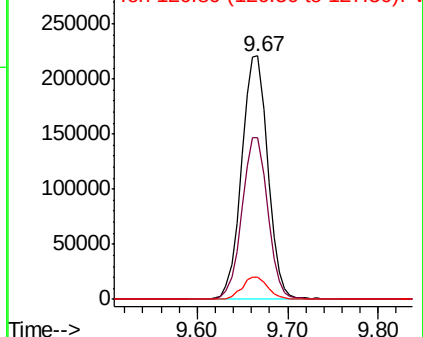
83 100

85 66.2 52.2 78.4

127 9.1 7.5 11.3



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: 47.270 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

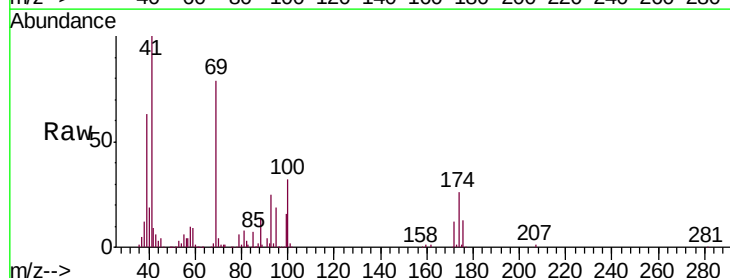
Tgt Ion: 41 Resp: 180505

Ion Ratio Lower Upper

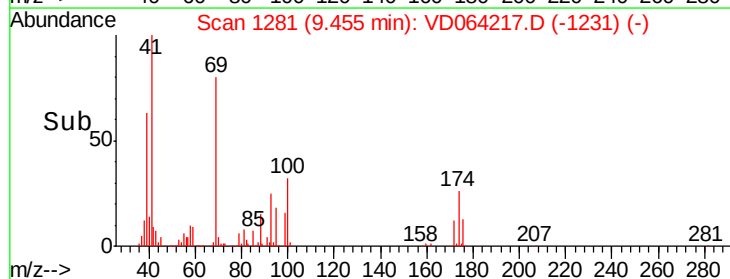
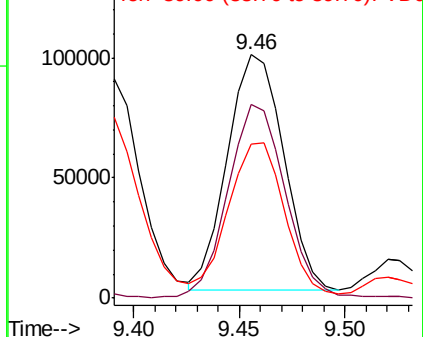
41 100

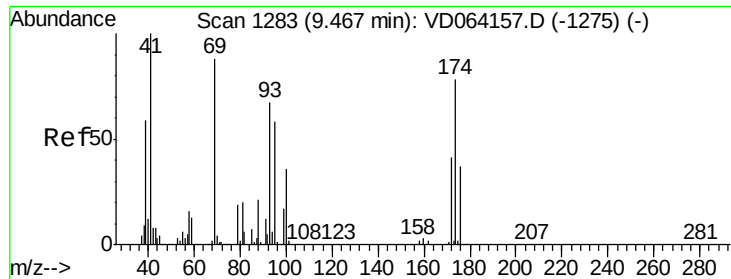
69 84.0 64.6 97.0

39 63.3 48.2 72.2



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

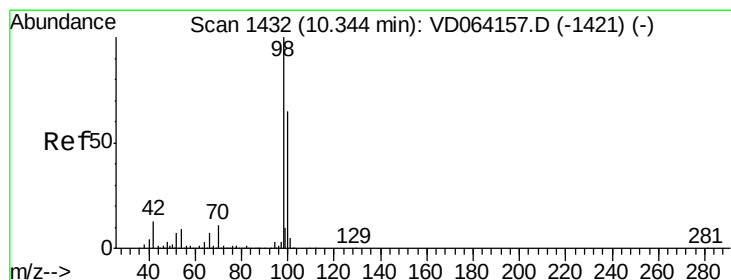
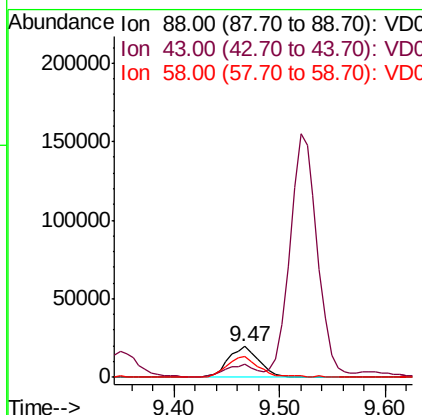
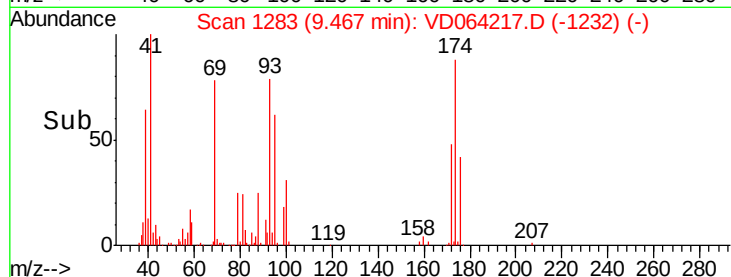
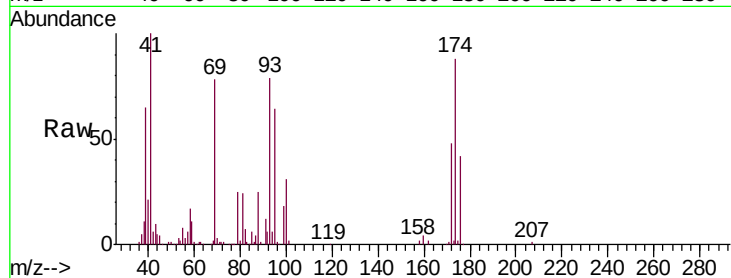




#49
1,4-Dioxane
Concen: 1036.207 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

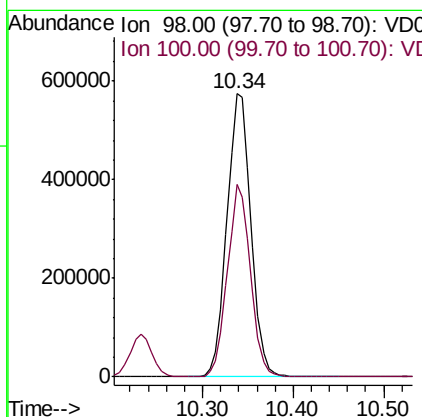
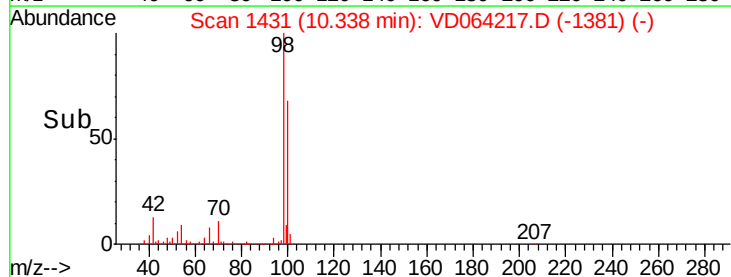
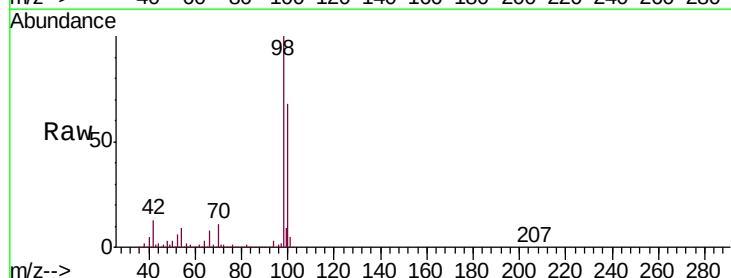
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

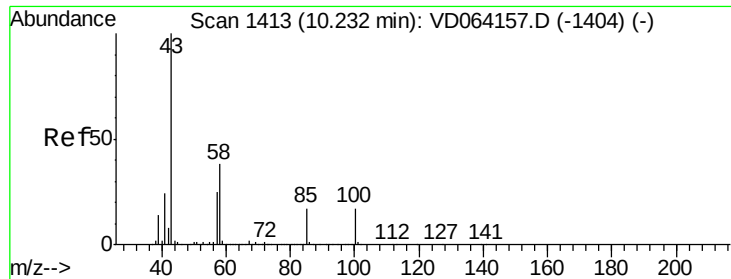
Tgt Ion: 88 Resp: 39845
Ion Ratio Lower Upper
88 100
43 37.2 29.8 44.8
58 67.1 58.1 87.1



#50
Toluene-d8
Concen: 50.106 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 98 Resp: 1056950
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

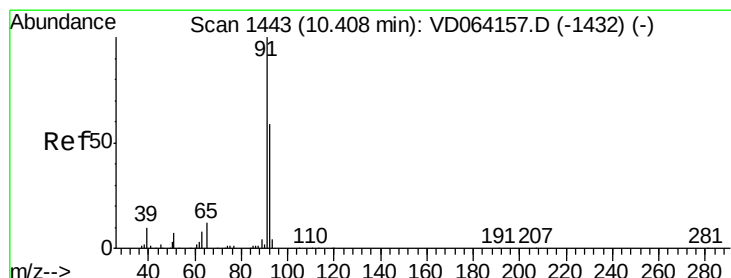
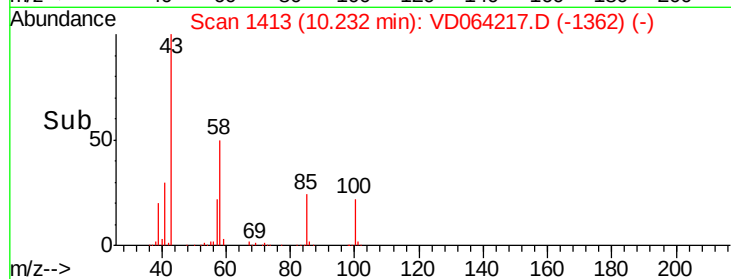
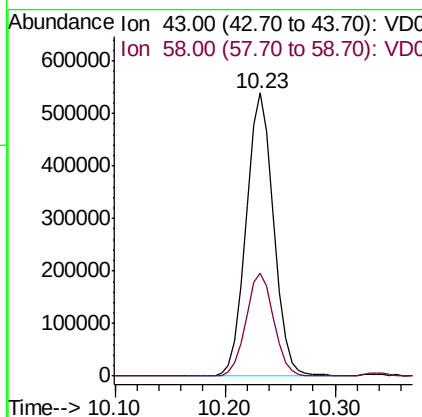
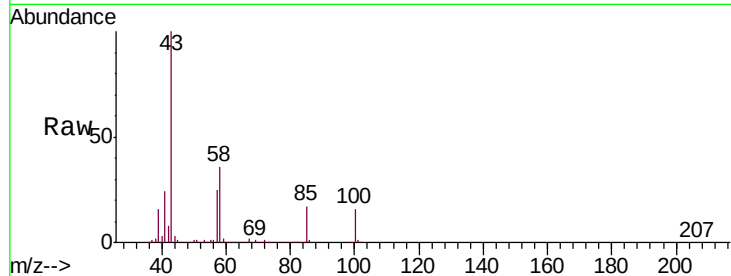




#51
 4-Methyl-2-Pentanone
 Concen: 251.746 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

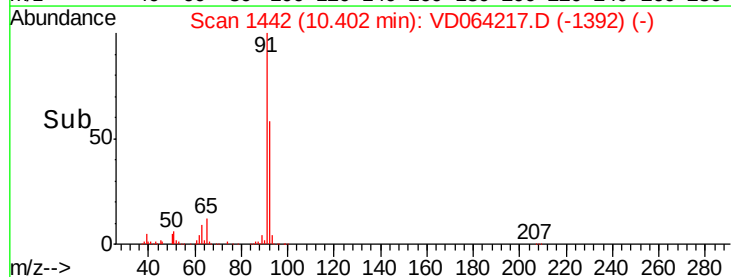
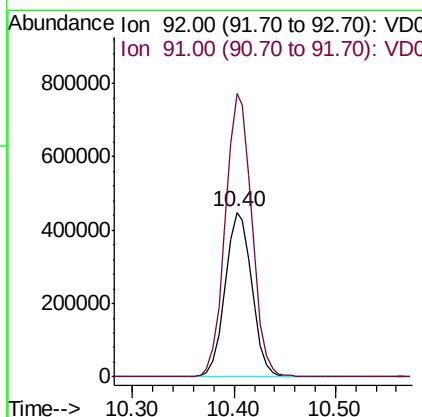
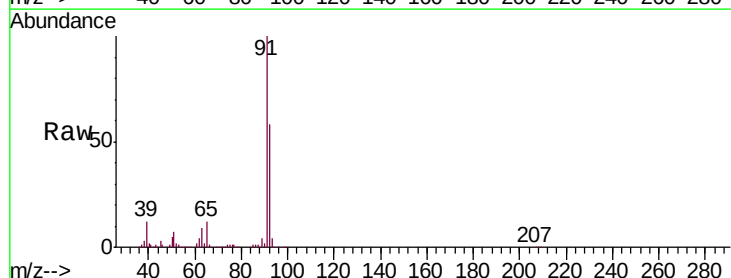
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

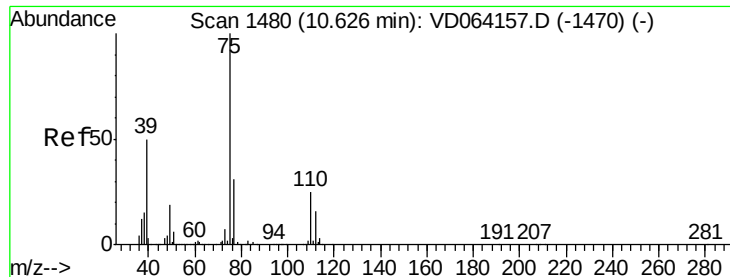
Tgt Ion: 43 Resp: 942767
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.2 45.4



#52
 Toluene
 Concen: 50.480 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion: 92 Resp: 815603
 Ion Ratio Lower Upper
 92 100
 91 172.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 50.042 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

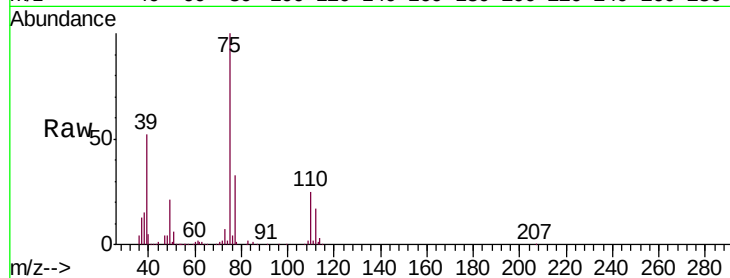
VSTDCCC050

Tgt Ion: 75 Resp: 432370

Ion Ratio Lower Upper

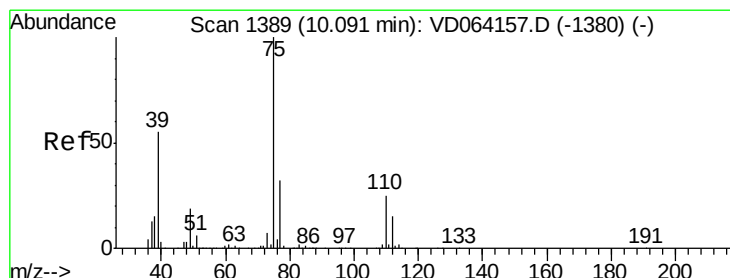
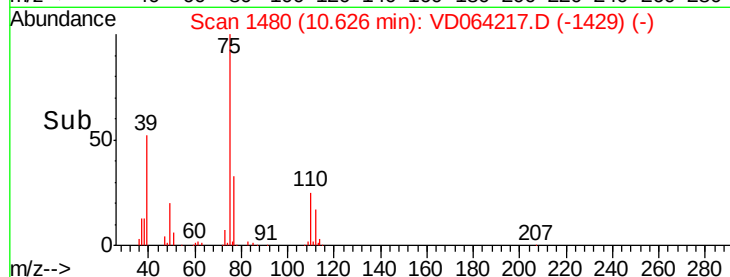
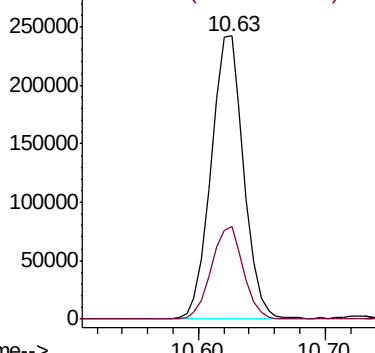
75 100

77 33.0 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.513 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

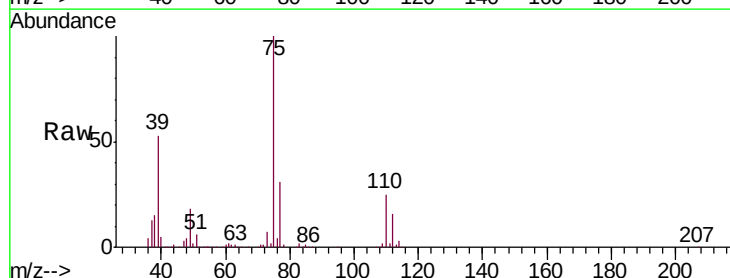
Tgt Ion: 75 Resp: 509284

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

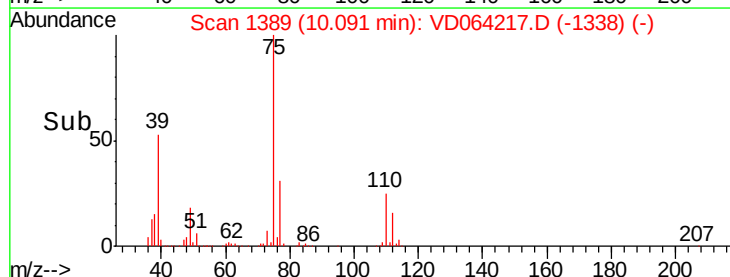
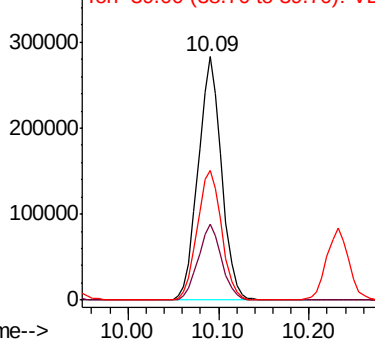
39 53.1 44.2 66.2

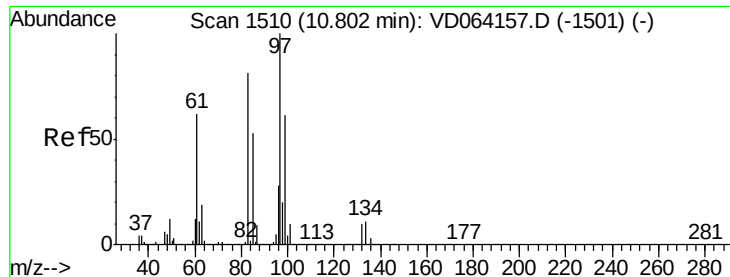


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

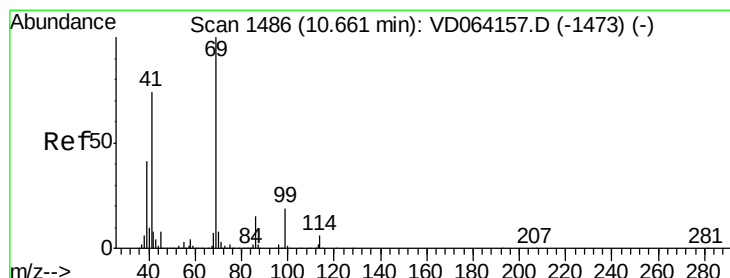
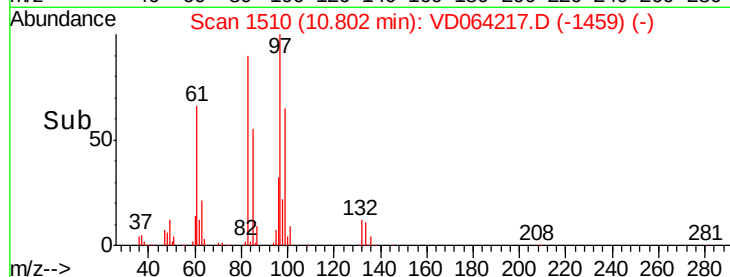
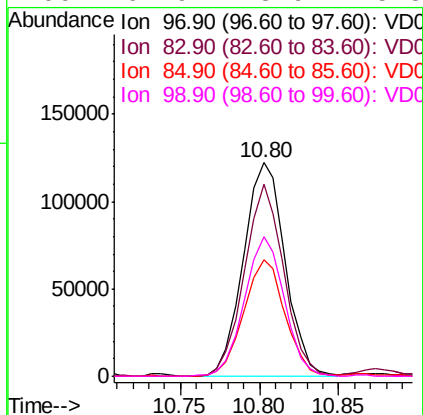
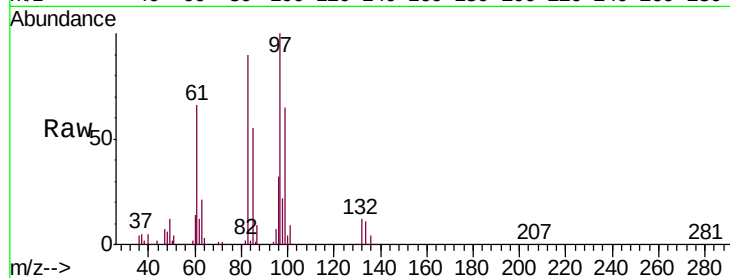




#55
 1,1,2-Trichloroethane
 Concen: 51.397 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

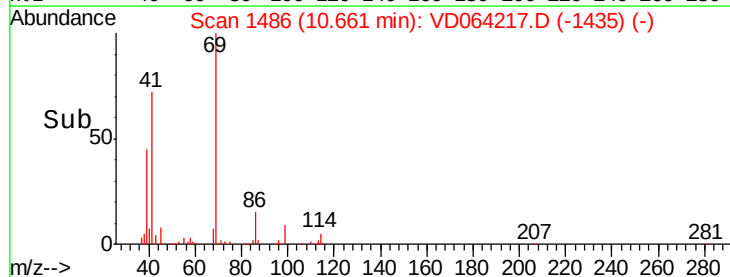
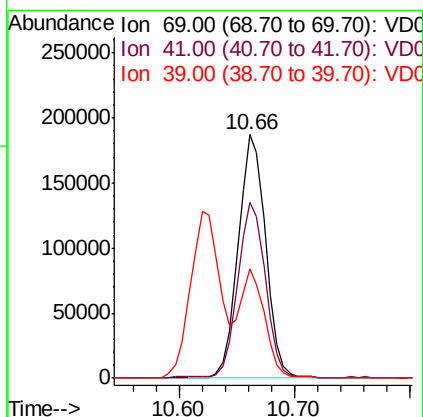
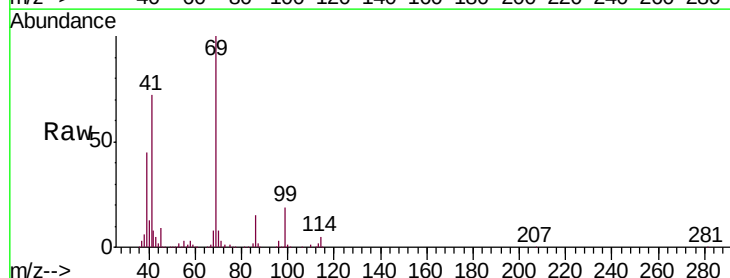
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

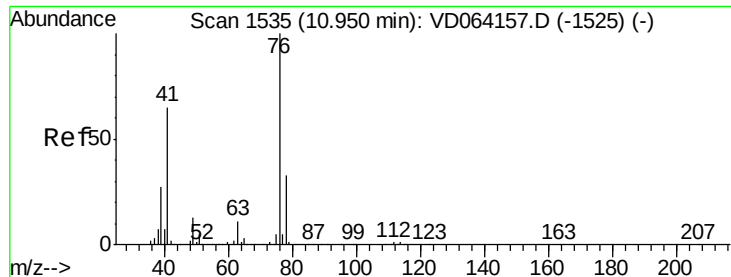
Tgt Ion:	97	Resp:	223237
Ion	Ratio	Lower	Upper
97	100		
83	89.6	65.1	97.7
85	54.5	42.0	63.0
99	64.9	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 50.903 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion:	69	Resp:	309279
Ion	Ratio	Lower	Upper
69	100		
41	73.3	57.9	86.9
39	41.5	29.0	43.4





#57

1,3-Dichloropropane

Concen: 51.284 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

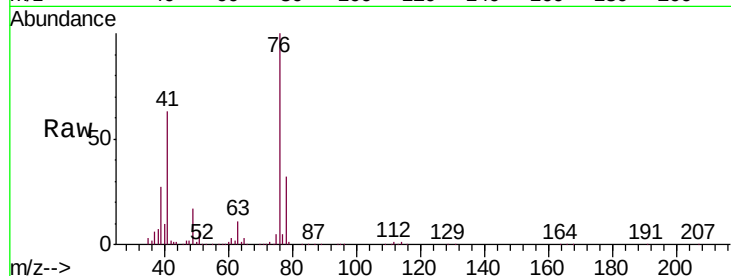
VSTDCCC050

Tgt Ion: 76 Resp: 388469

Ion Ratio Lower Upper

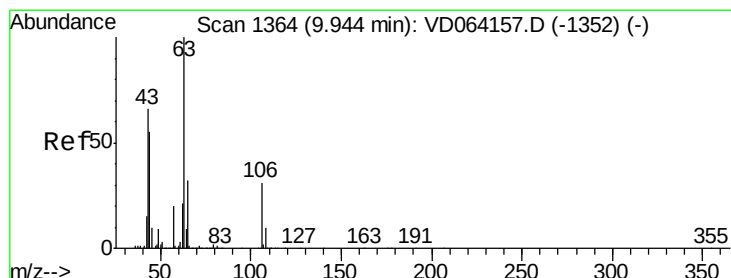
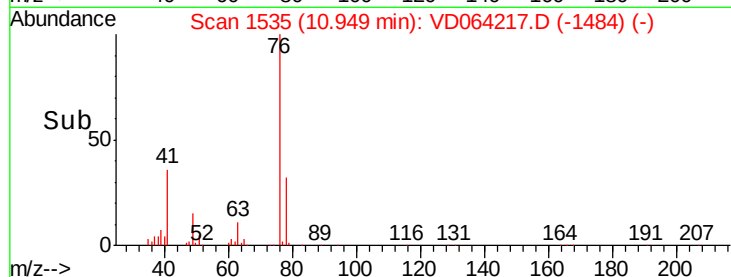
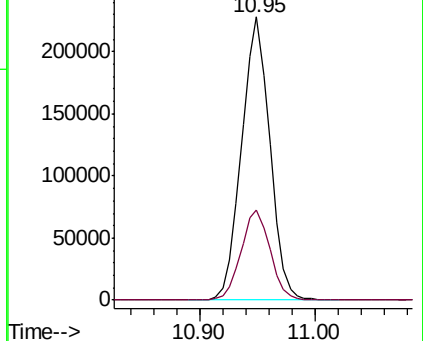
76 100

78 32.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.061 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064217.D

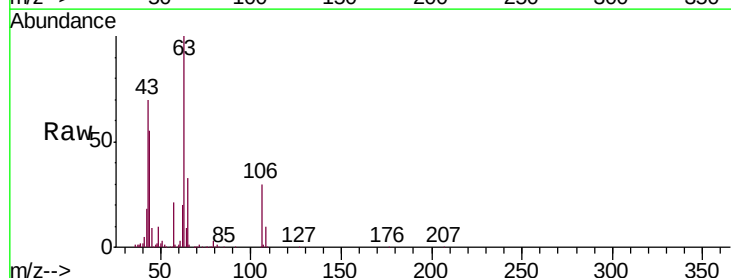
Acq: 15 Nov 2019 10:05

Tgt Ion: 63 Resp: 612981

Ion Ratio Lower Upper

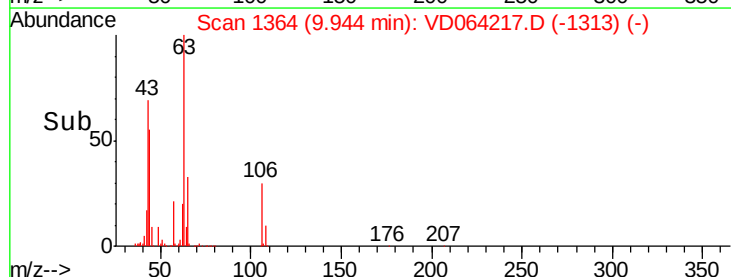
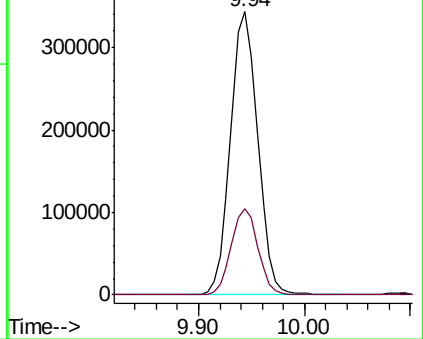
63 100

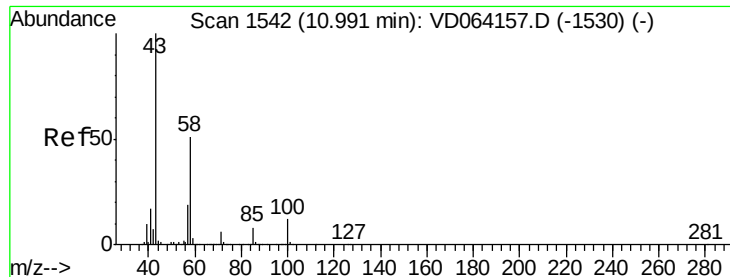
106 29.9 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

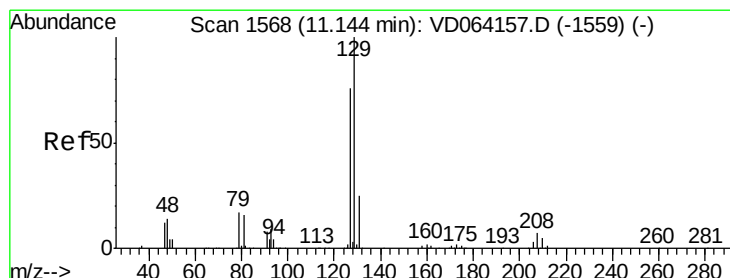
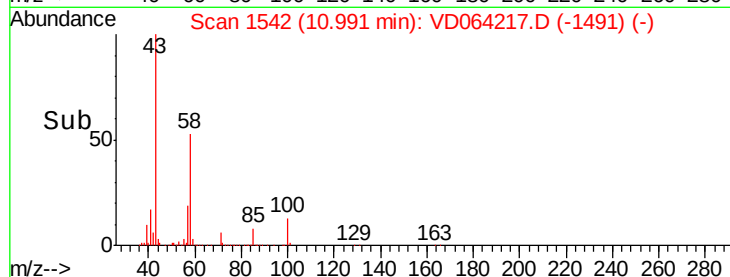
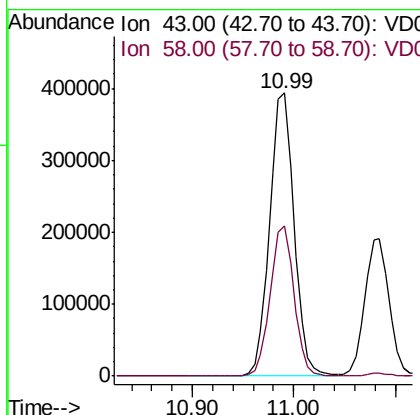
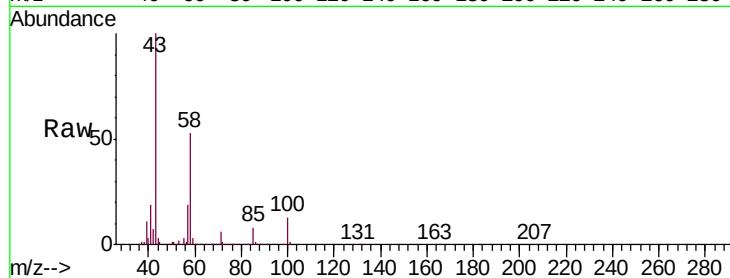




#59
2-Hexanone
Concen: 247.495 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

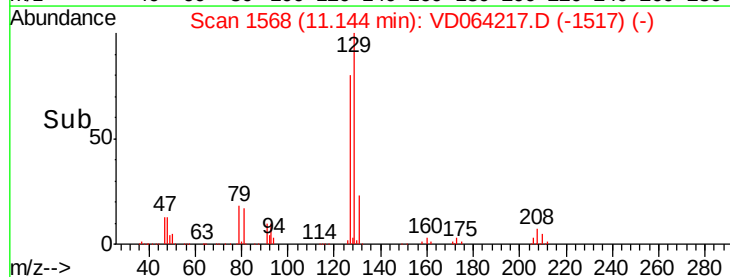
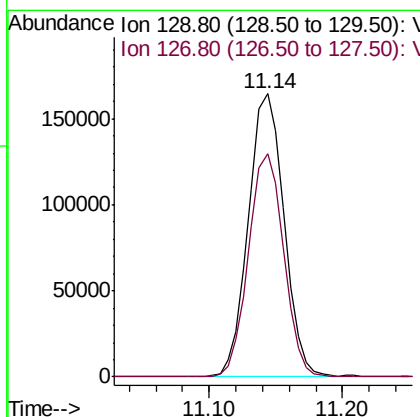
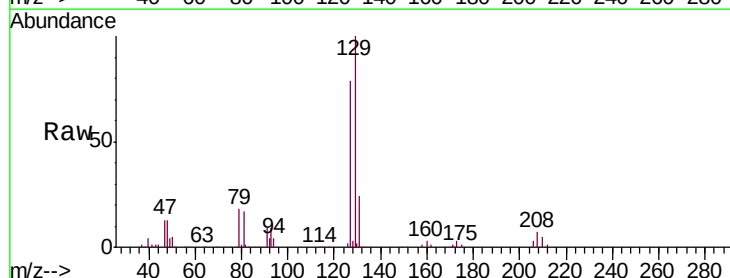
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

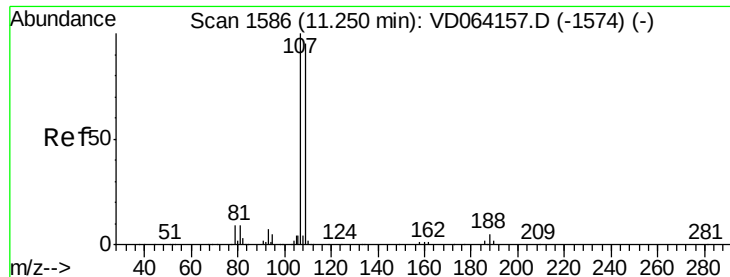
Tgt Ion: 43 Resp: 659400
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.7



#60
Dibromochloromethane
Concen: 50.185 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 129 Resp: 304152
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.250 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

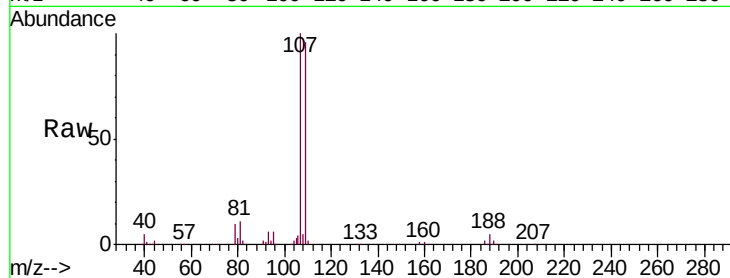
VSTDCCC050

Tgt Ion: 107 Resp: 218606

Ion Ratio Lower Upper

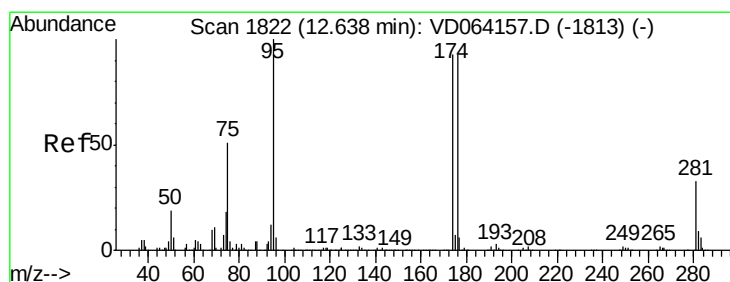
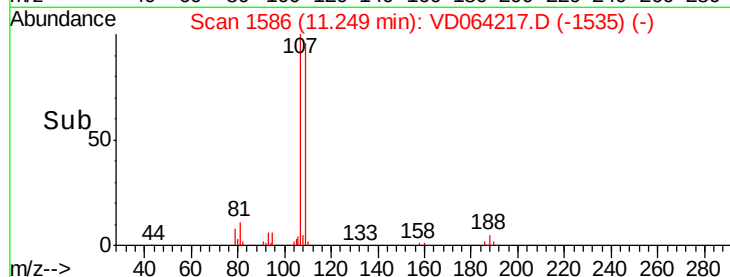
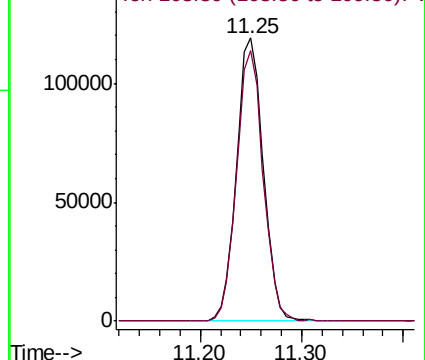
107 100

109 94.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.903 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

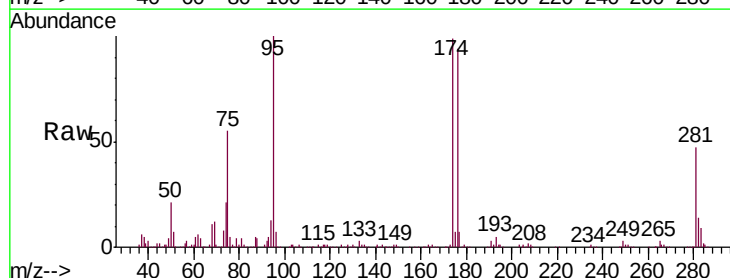
Tgt Ion: 95 Resp: 357243

Ion Ratio Lower Upper

95 100

174 93.8 0.0 183.6

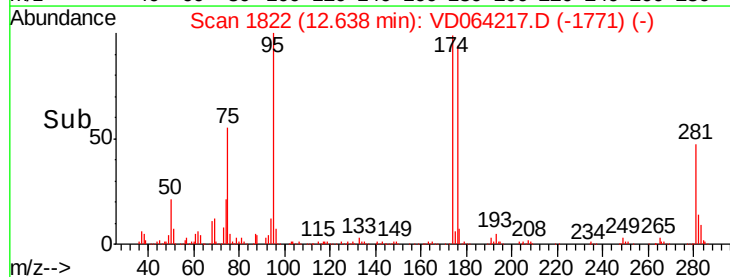
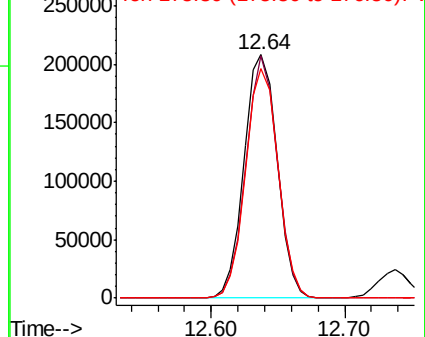
176 92.4 0.0 180.2

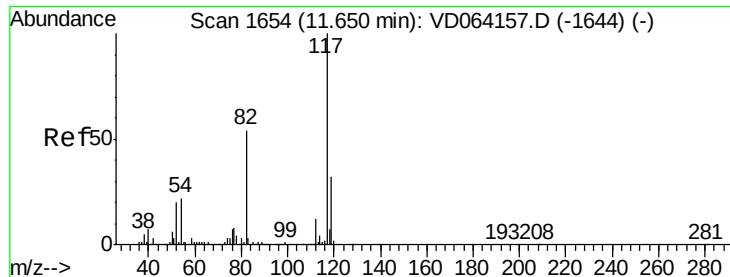


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

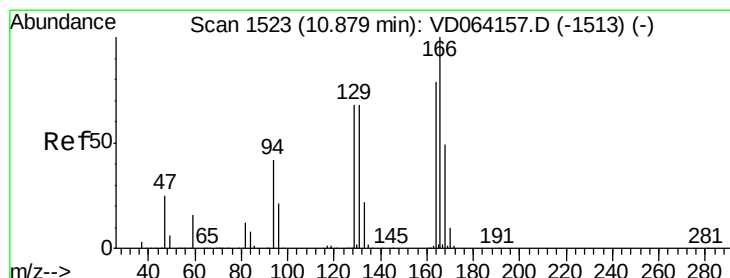
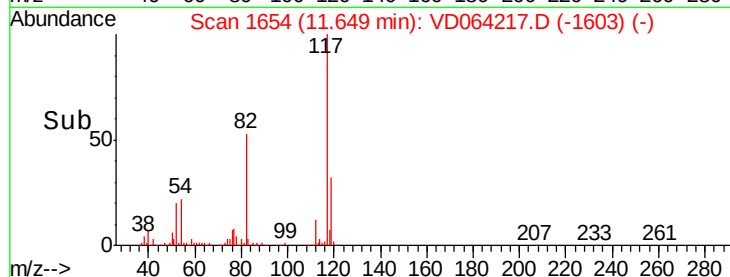
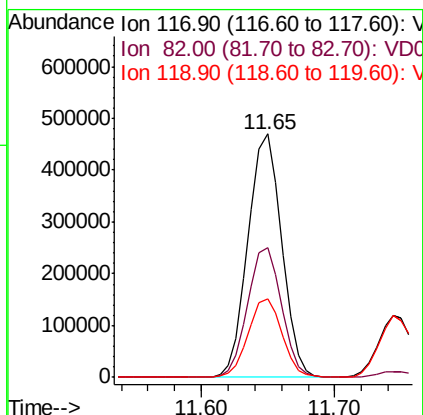
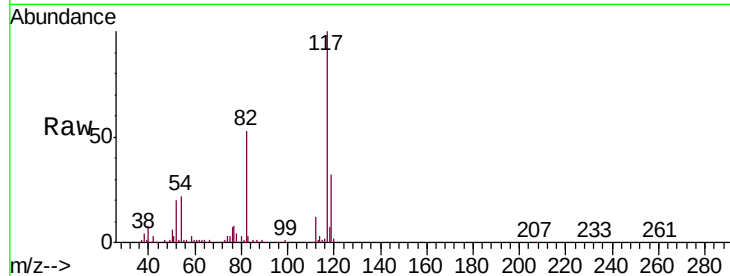




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

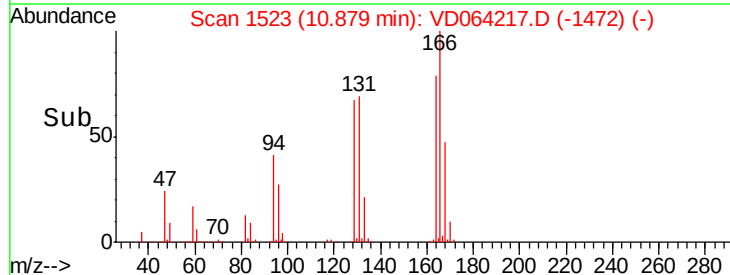
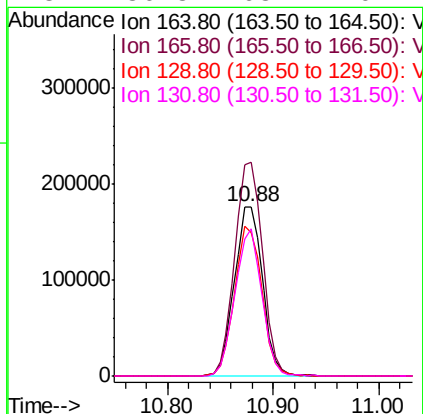
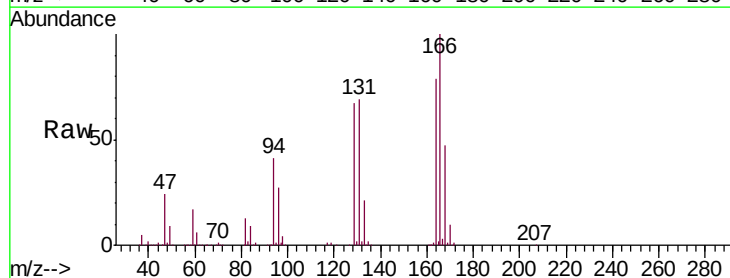
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

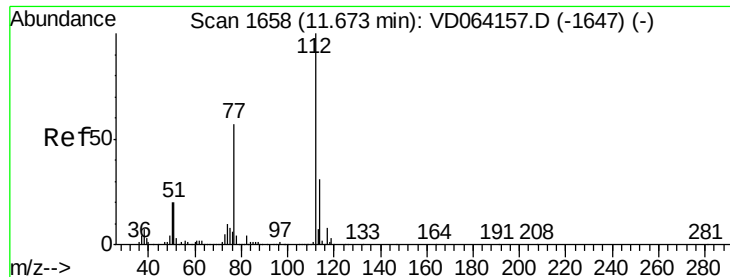
Tgt Ion:117 Resp: 822181
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 51.168 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion:164 Resp: 323550
Ion Ratio Lower Upper
164 100
166 126.0 100.8 151.2
129 84.6 68.7 103.1
131 86.8 68.1 102.1





#65

Chlorobenzene

Concen: 51.582 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

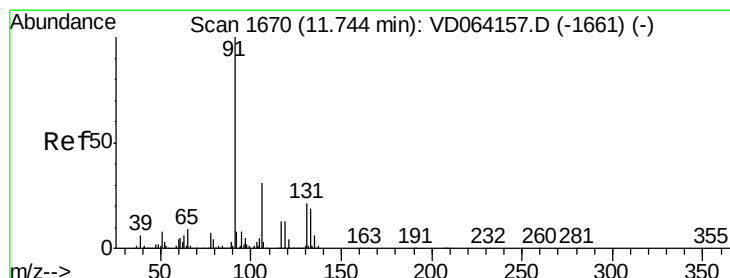
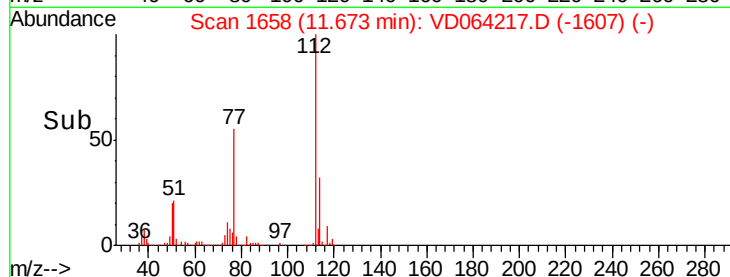
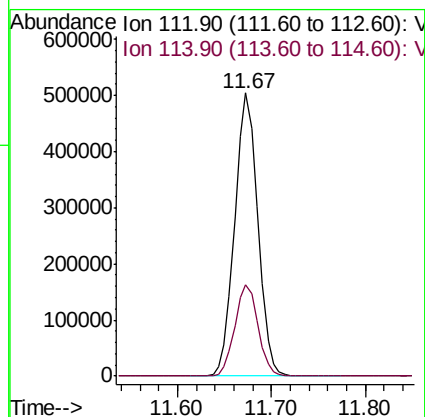
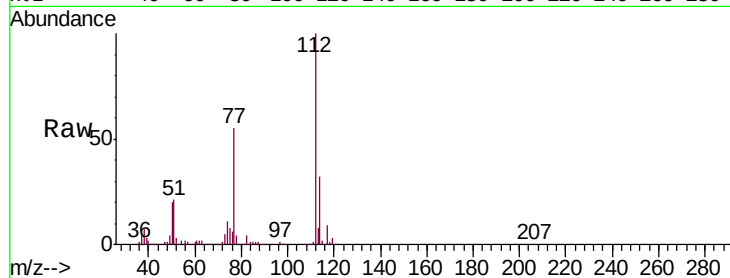
VSTDCCC050

Tgt Ion:112 Resp: 862397

Ion Ratio Lower Upper

112 100

114 32.3 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 51.950 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

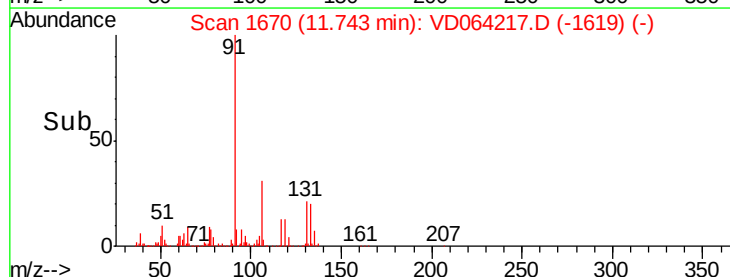
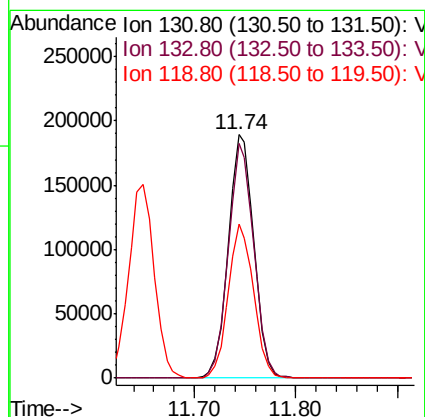
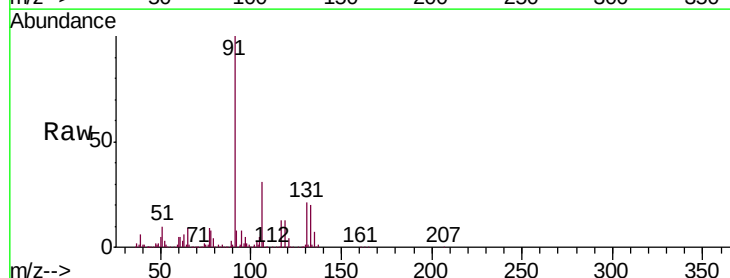
Tgt Ion:131 Resp: 330263

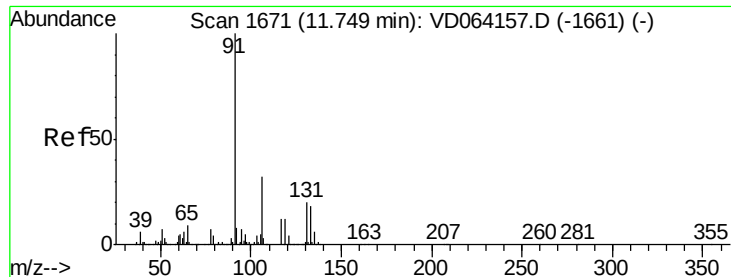
Ion Ratio Lower Upper

131 100

133 96.3 47.3 141.9

119 63.0 31.1 93.3





#67

Ethyl Benzene

Concen: 52.189 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

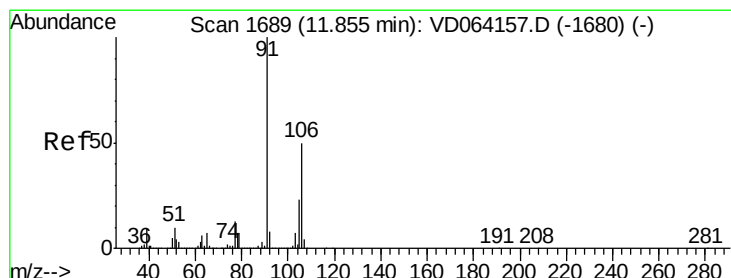
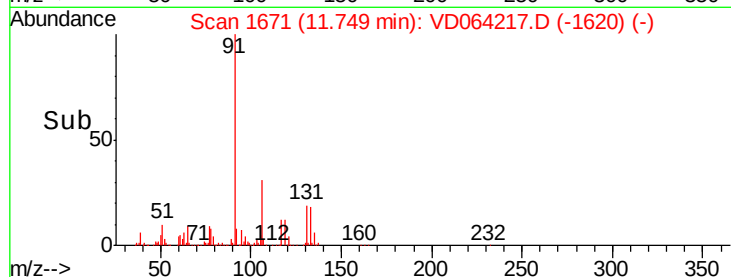
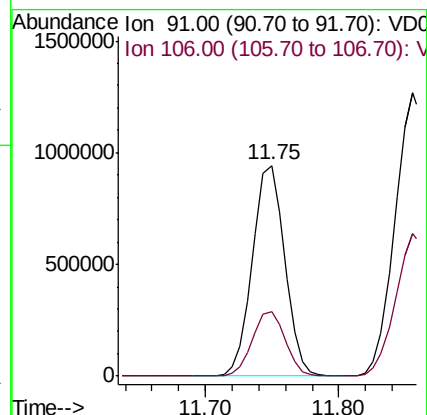
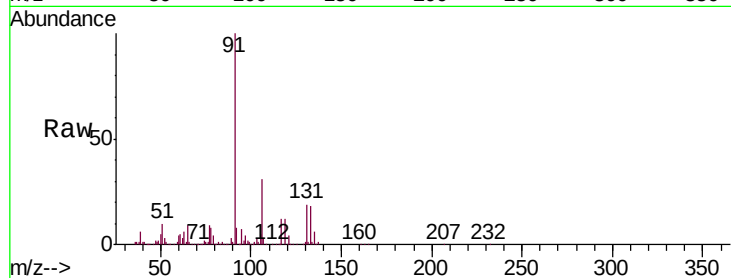
VSTDCCC050

Tgt Ion: 91 Resp: 1578297

Ion Ratio Lower Upper

91 100

106 30.7 25.5 38.3



#68

m/p-Xylenes

Concen: 104.107 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064217.D

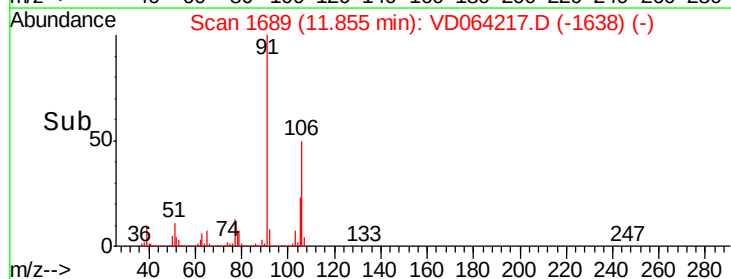
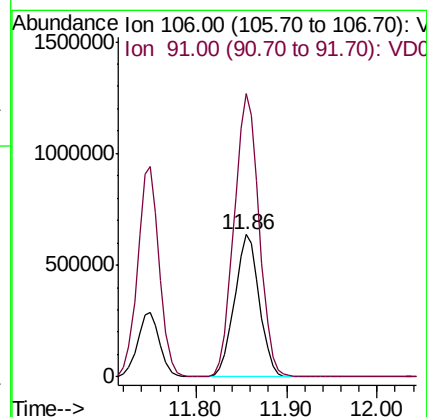
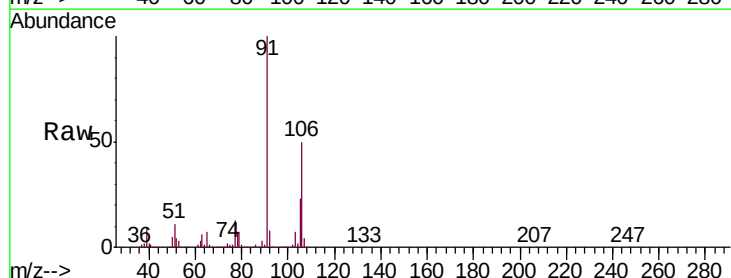
Acq: 15 Nov 2019 10:05

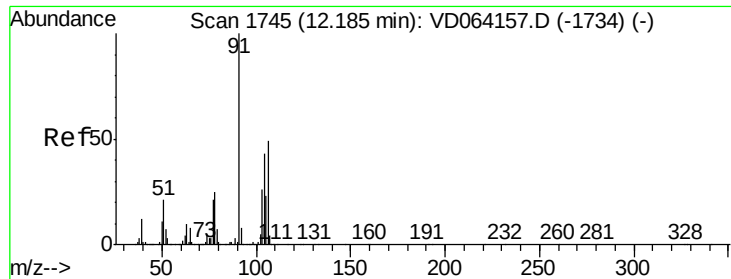
Tgt Ion: 106 Resp: 1206785

Ion Ratio Lower Upper

106 100

91 200.7 160.3 240.5

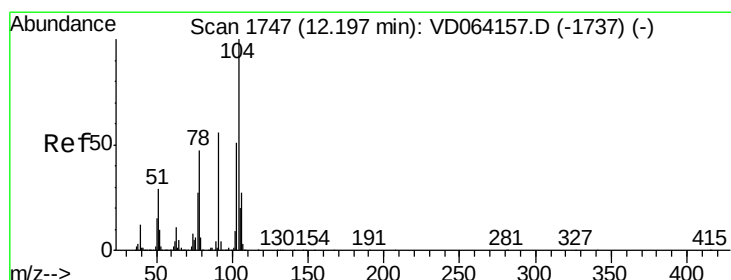
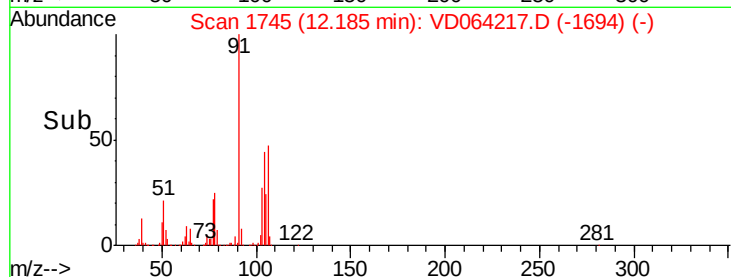
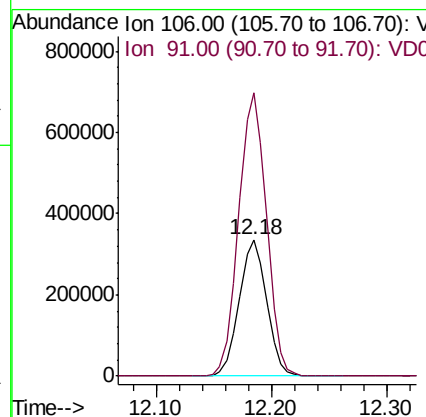
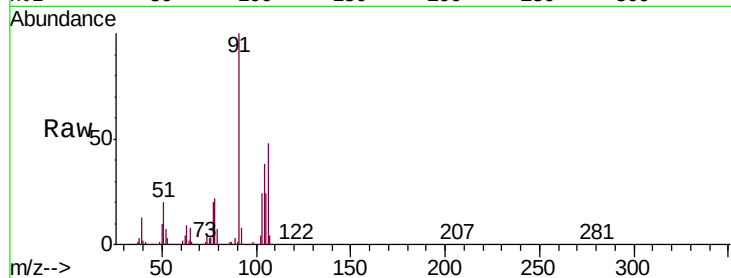




#69
o-Xylene
Concen: 51.579 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

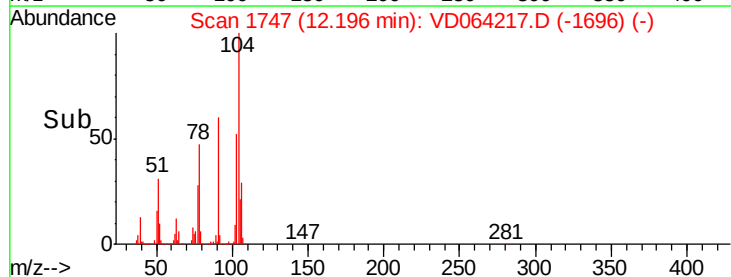
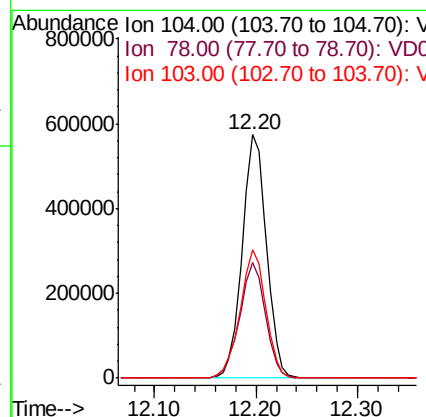
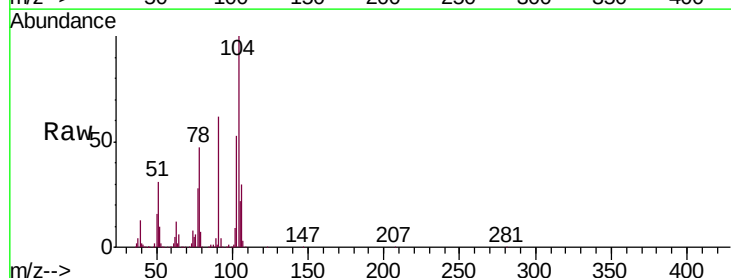
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

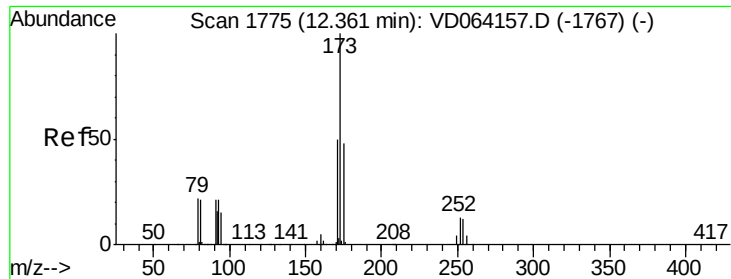
Tgt Ion:106 Resp: 554507
Ion Ratio Lower Upper
106 100
91 210.0 105.1 315.3



#70
Styrene
Concen: 50.822 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion:104 Resp: 953728
Ion Ratio Lower Upper
104 100
78 50.6 39.9 59.9
103 55.7 43.4 65.0





#71

Bromoform

Concen: 52.555 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

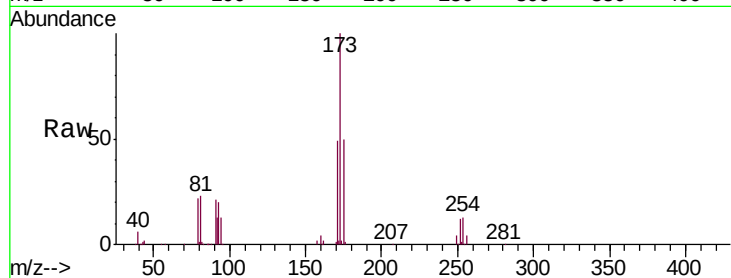
Tgt Ion:173 Resp: 190142

Ion Ratio Lower Upper

173 100

175 49.6 24.1 72.3

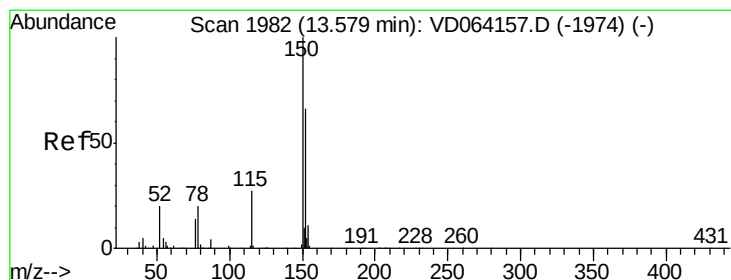
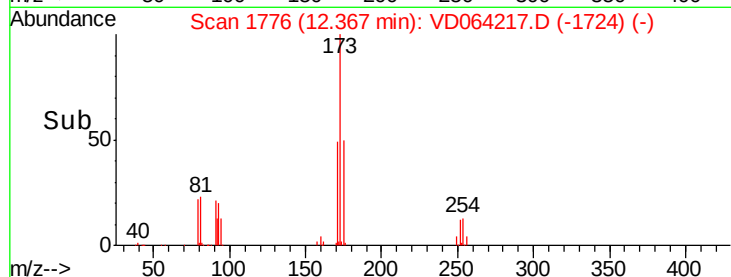
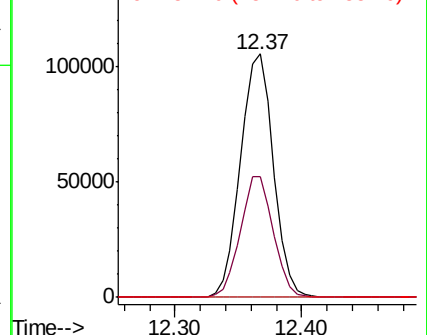
254 0.2 0.2 0.2



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. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

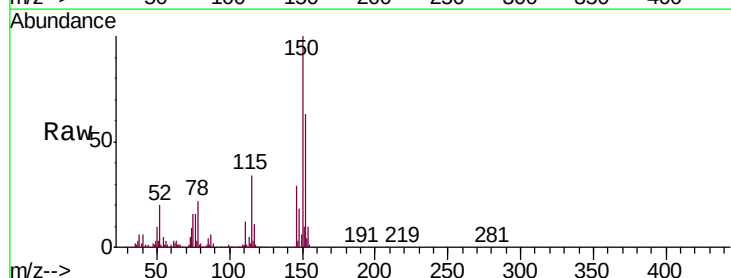
Tgt Ion:152 Resp: 401264

Ion Ratio Lower Upper

152 100

115 56.1 27.4 82.2

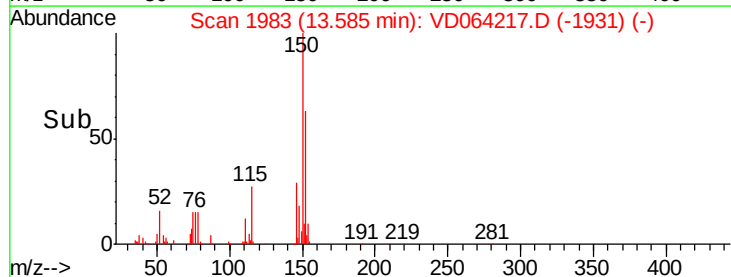
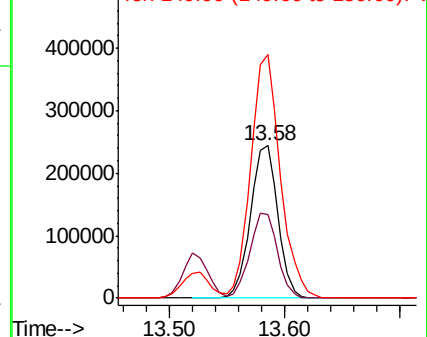
150 172.9 0.0 351.6

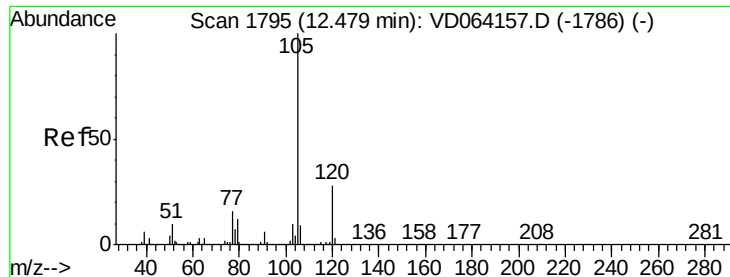


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.556 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

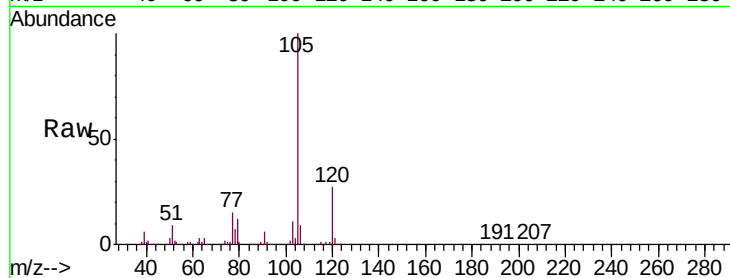
VSTDCCC050

Tgt Ion:105 Resp: 1518452

Ion Ratio Lower Upper

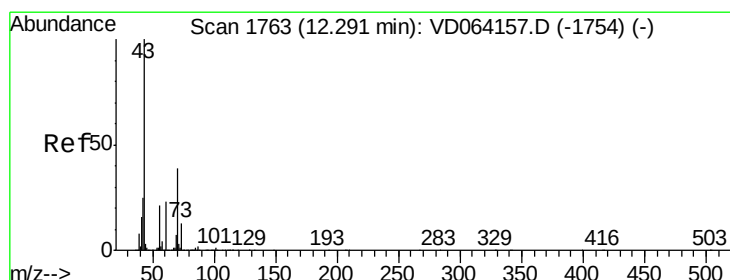
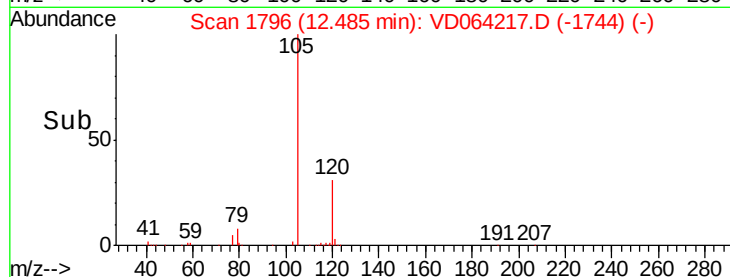
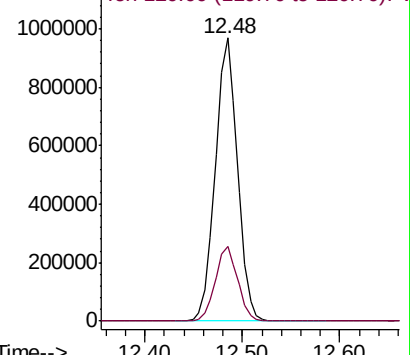
105 100

120 26.7 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.751 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Tgt Ion: 43 Resp: 352981

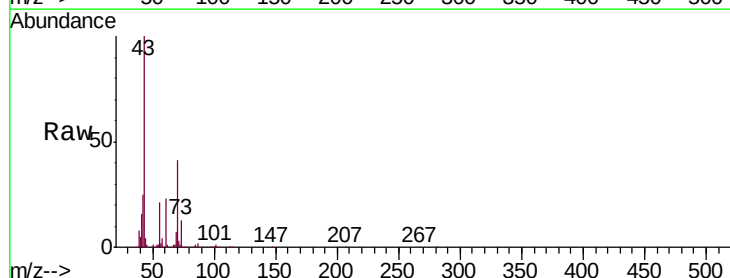
Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 21.8 17.9 26.9

61 23.2 19.0 28.4

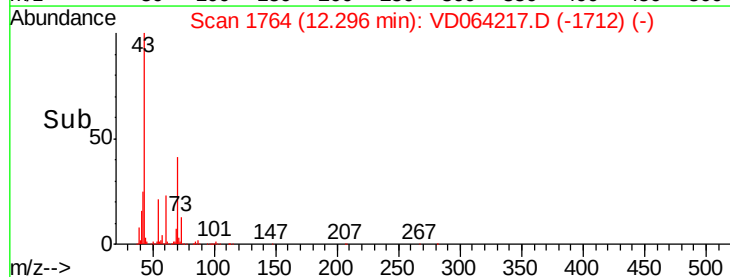
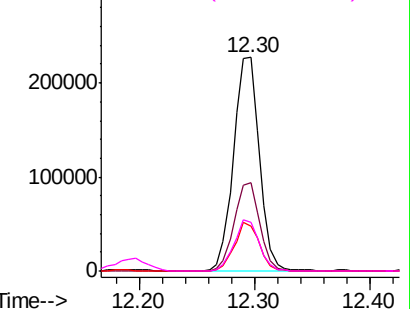


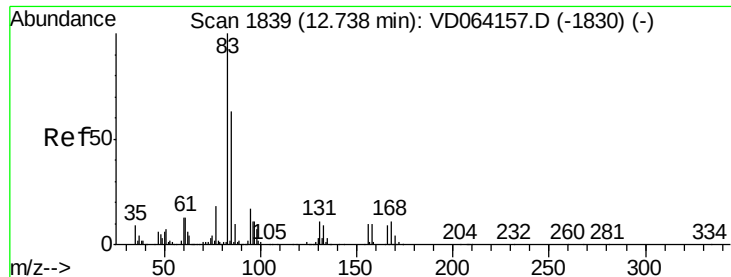
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.843 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

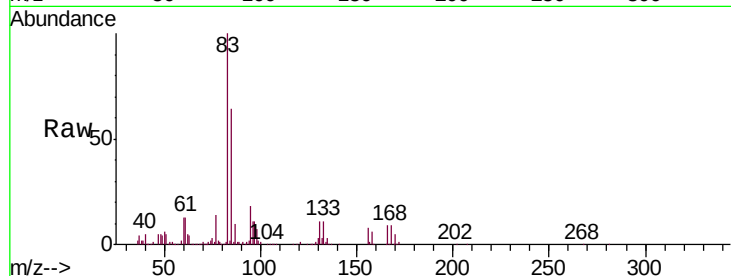
Tgt Ion: 83 Resp: 234515

Ion Ratio Lower Upper

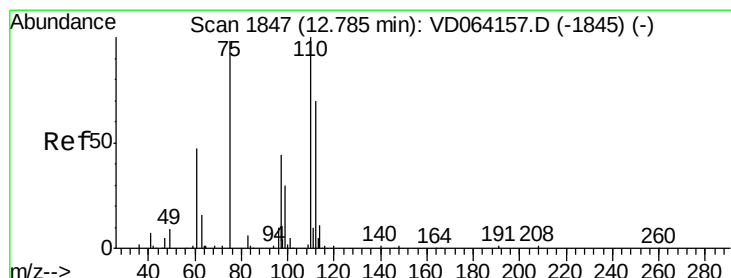
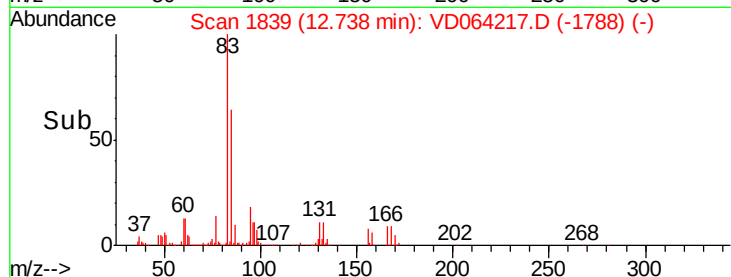
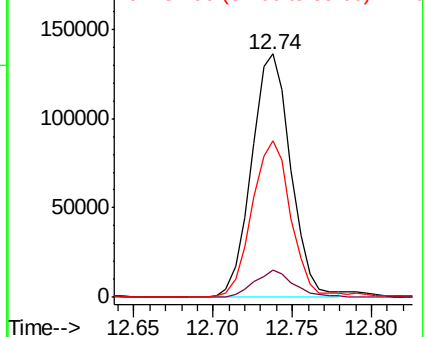
83 100

131 11.3 5.9 17.7

85 64.8 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 99.526 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064217.D

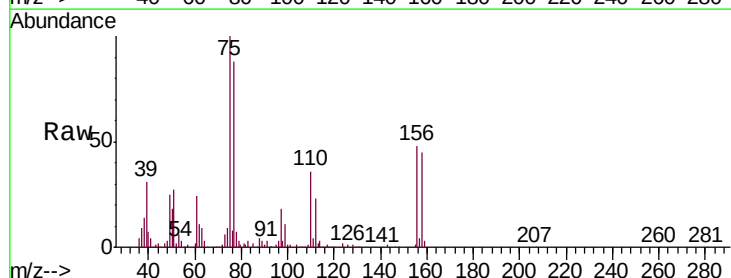
Acq: 15 Nov 2019 10:05

Tgt Ion: 75 Resp: 321675

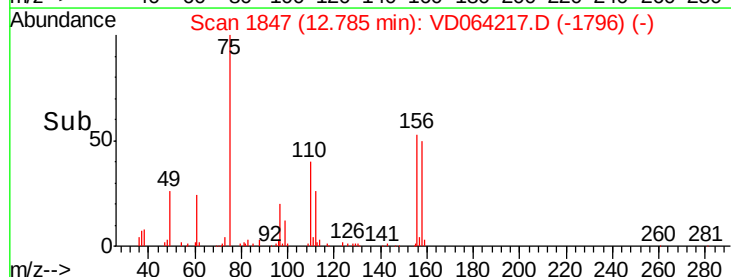
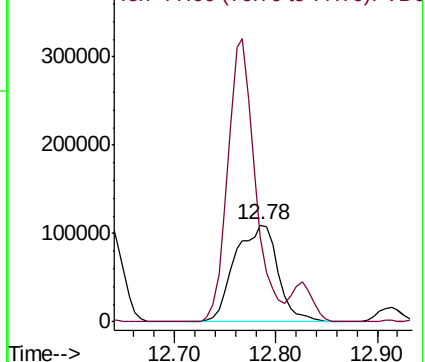
Ion Ratio Lower Upper

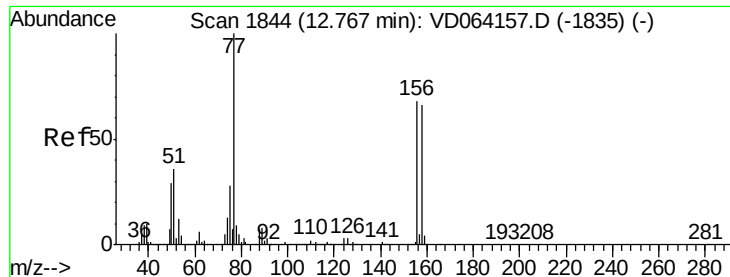
75 100

77 187.7 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: 51.258 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

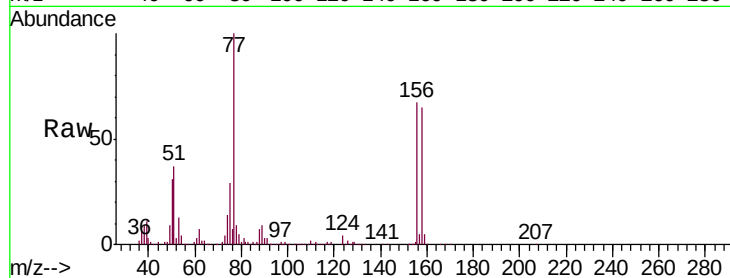
Tgt Ion:156 Resp: 366769

Ion Ratio Lower Upper

156 100

77 164.6 81.2 243.4

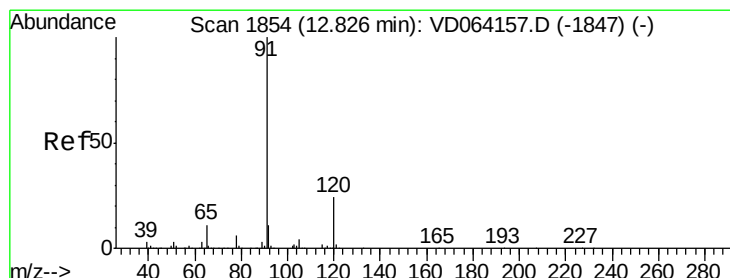
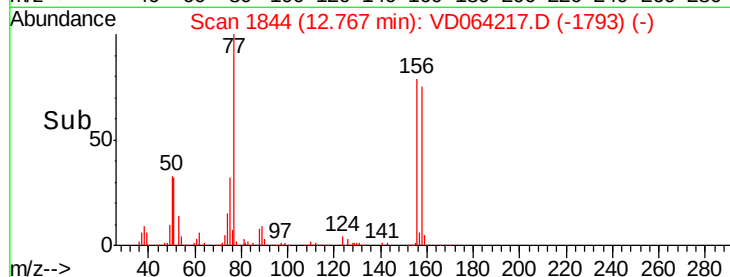
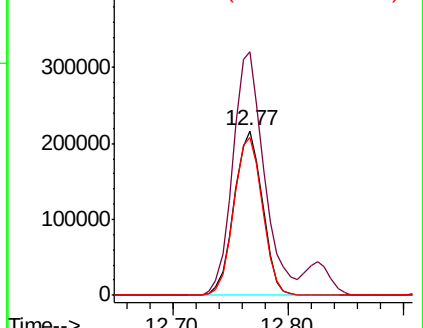
158 97.2 48.4 145.2



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: 52.049 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064217.D

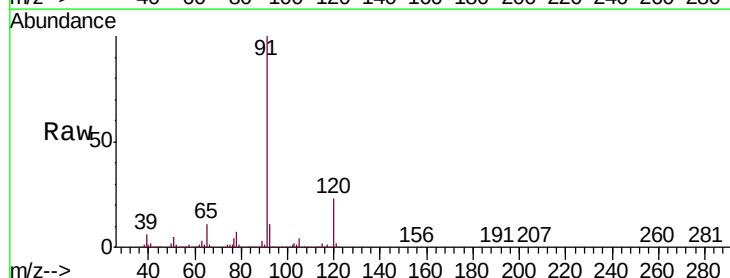
Acq: 15 Nov 2019 10:05

Tgt Ion: 91 Resp: 1751439

Ion Ratio Lower Upper

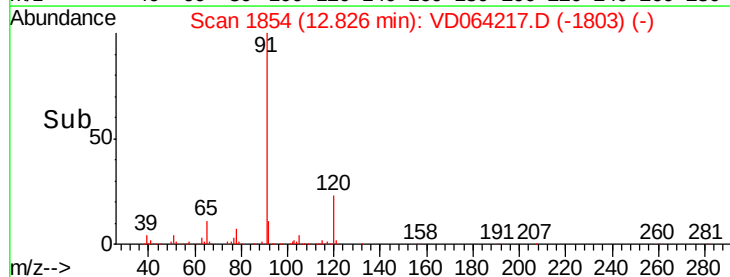
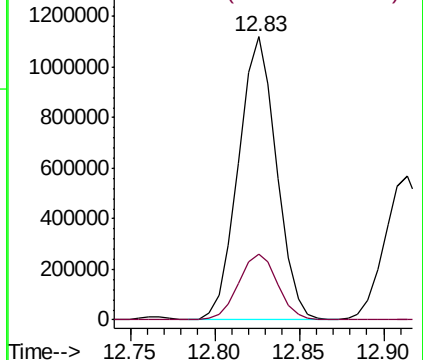
91 100

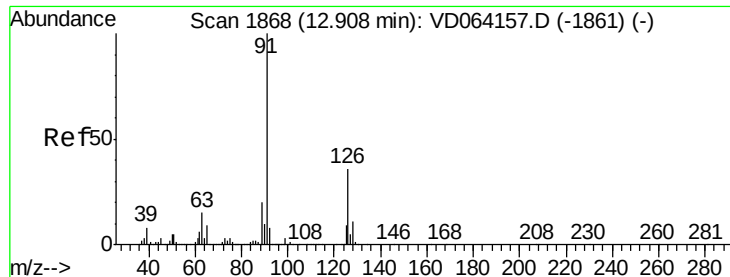
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.557 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

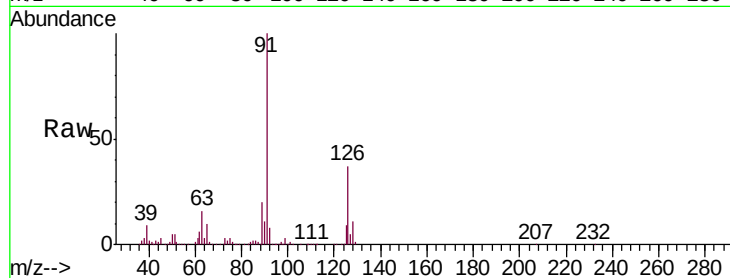
VSTDCCC050

Tgt Ion: 91 Resp: 960493

Ion Ratio Lower Upper

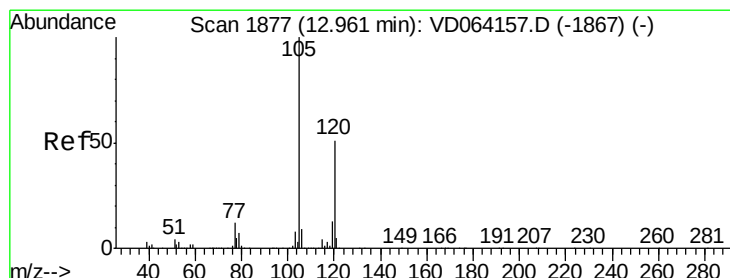
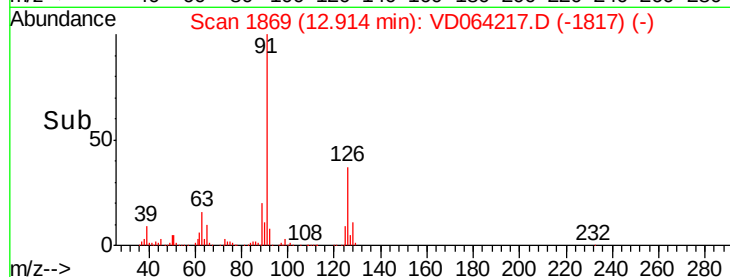
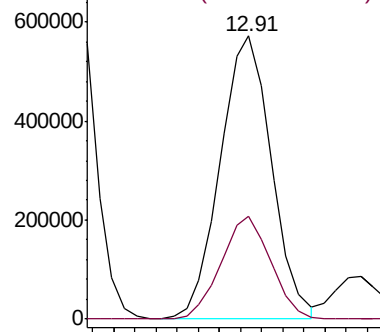
91 100

126 35.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.836 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064217.D

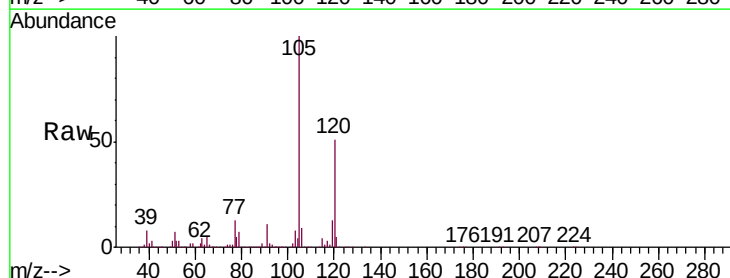
Acq: 15 Nov 2019 10:05

Tgt Ion: 105 Resp: 1230305

Ion Ratio Lower Upper

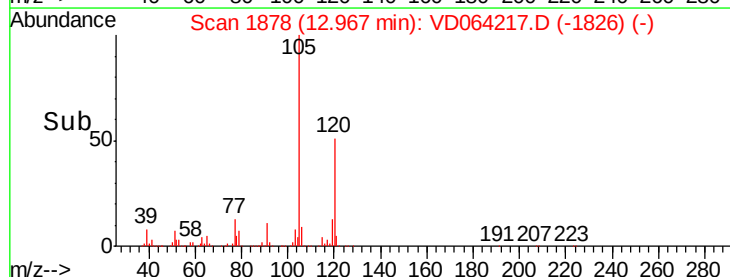
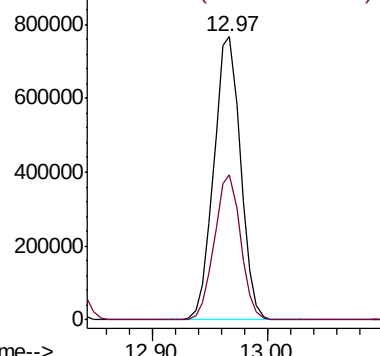
105 100

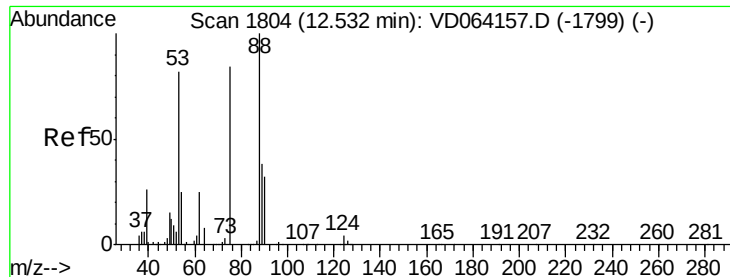
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.130 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064217.D

Acq: 15 Nov 2019 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

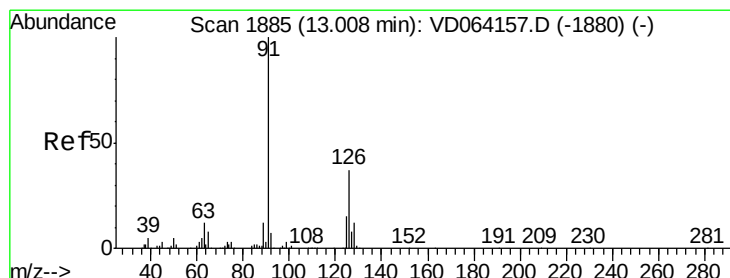
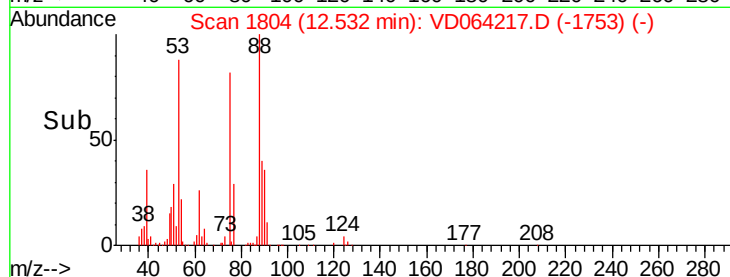
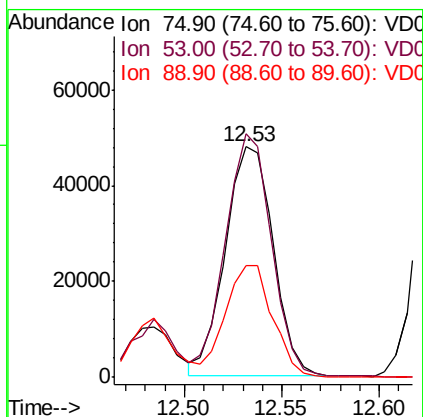
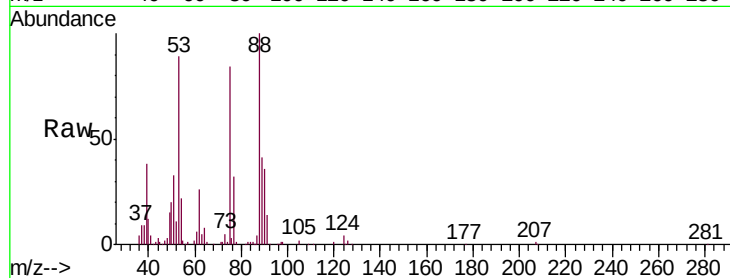
Tgt Ion: 75 Resp: 81566

Ion Ratio Lower Upper

75 100

53 103.3 79.4 119.0

89 48.0 36.6 55.0



#82

4-Chlorotoluene

Concen: 51.908 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064217.D

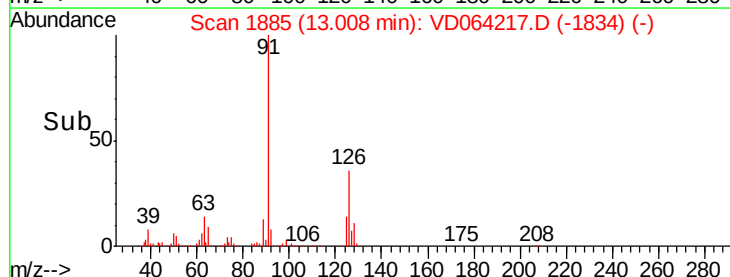
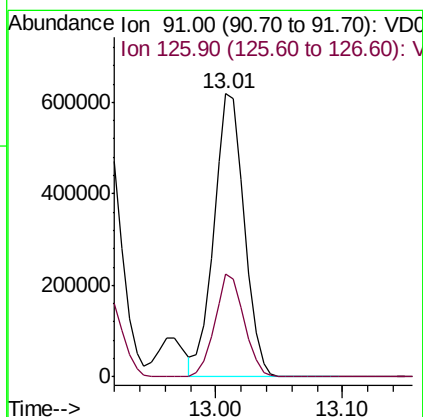
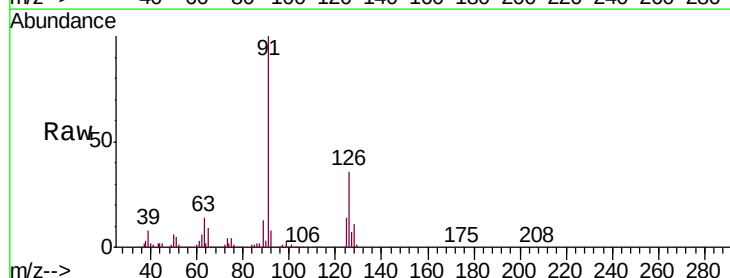
Acq: 15 Nov 2019 10:05

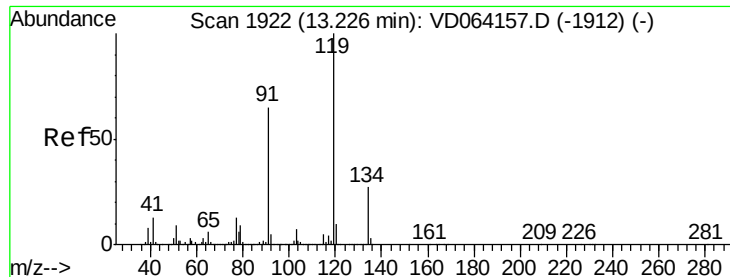
Tgt Ion: 91 Resp: 1028586

Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.4

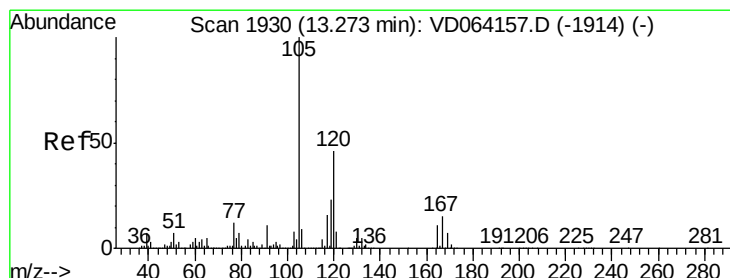
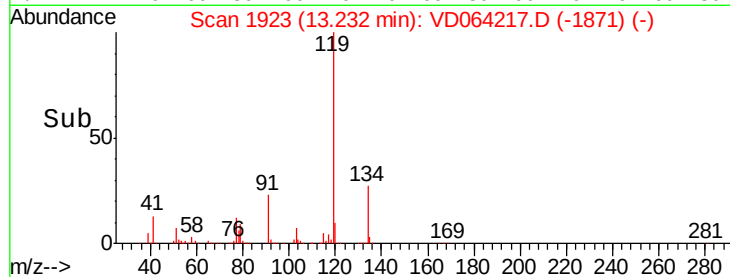
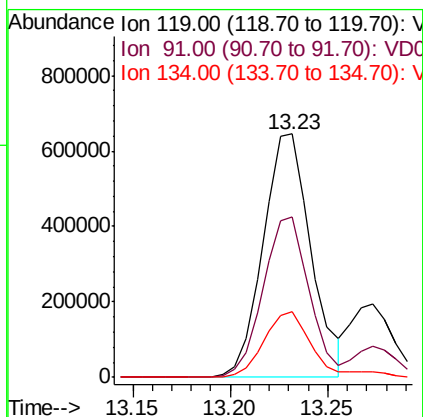
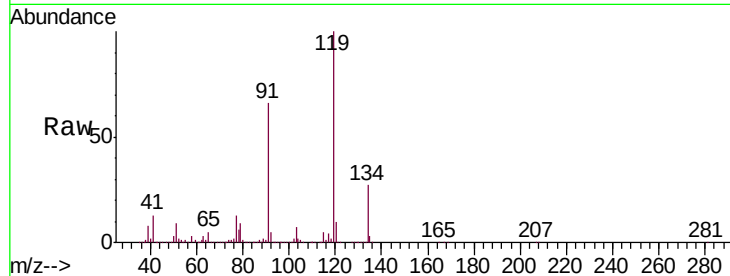




#83
 tert-Butylbenzene
 Concen: 51.474 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

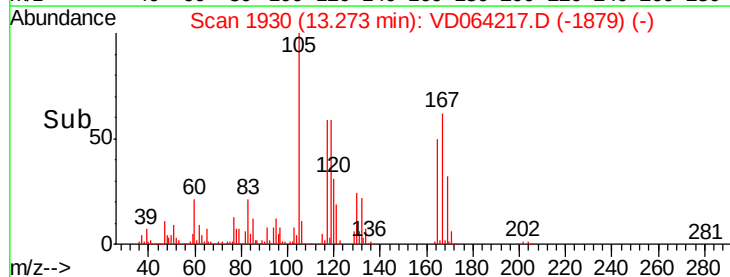
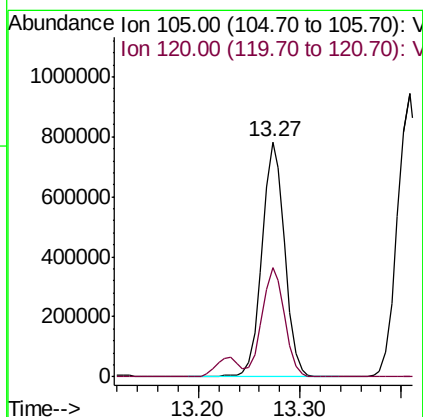
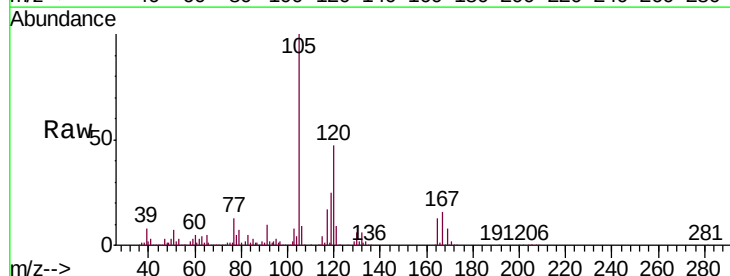
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

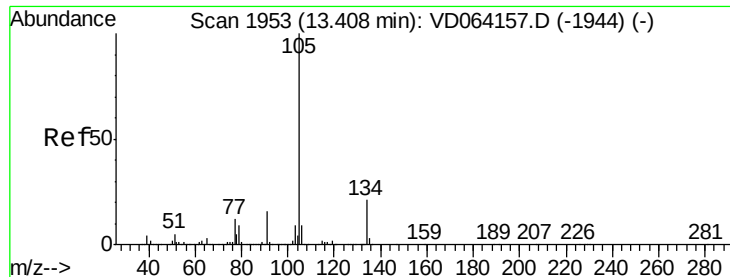
Tgt Ion:119 Resp: 1098458
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.8 95.4
 134 27.7 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.225 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion:105 Resp: 1223917
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8

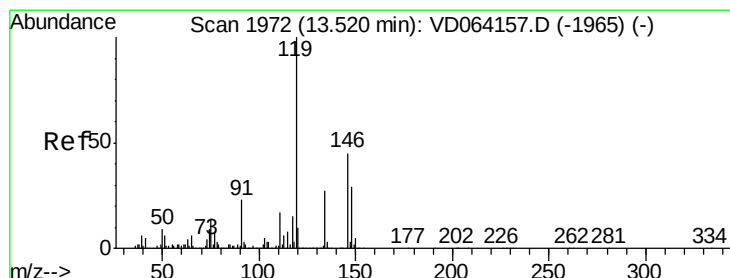
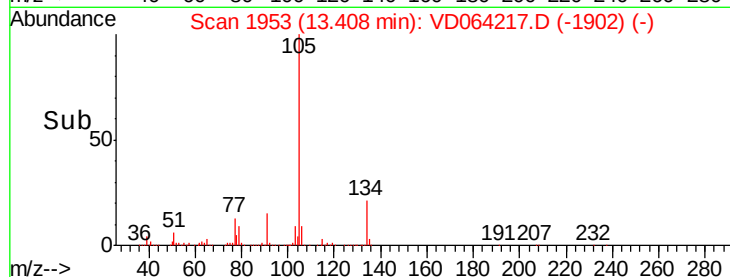
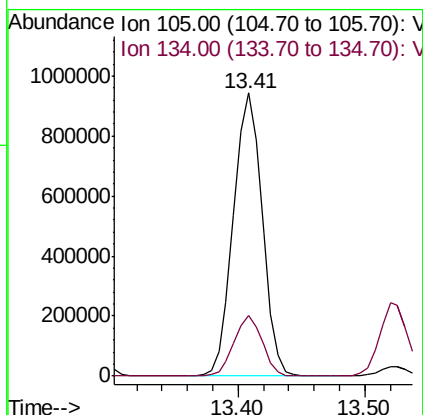
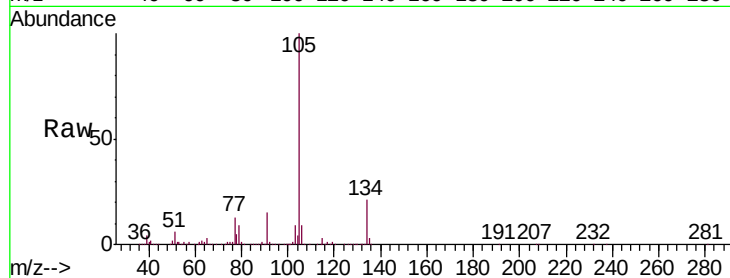




#85
 sec-Butylbenzene
 Concen: 51.738 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

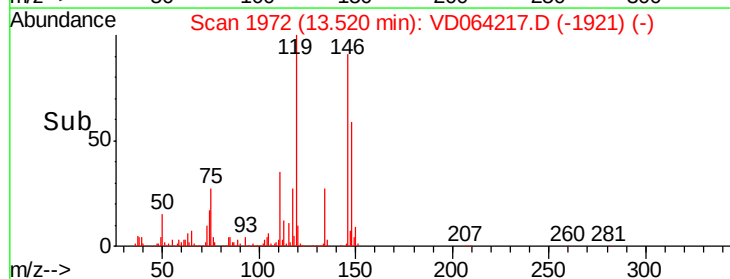
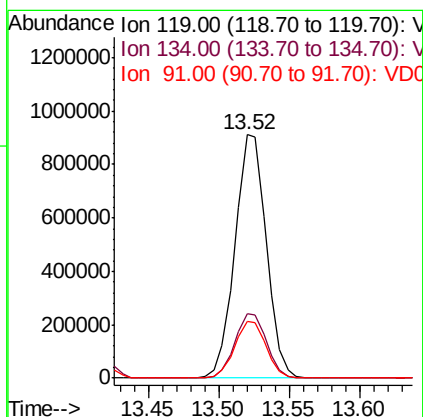
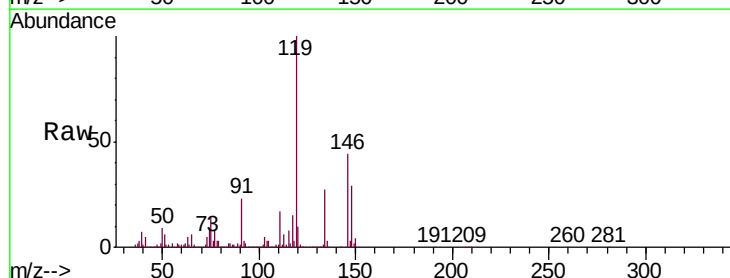
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

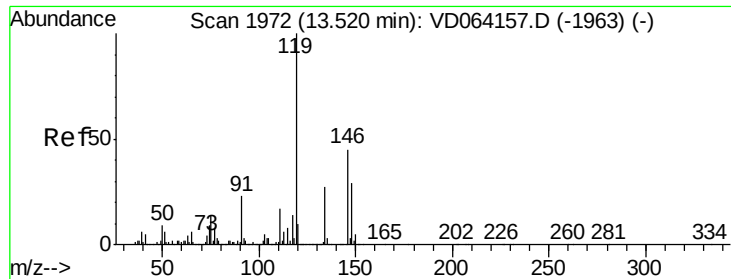
Tgt Ion:105 Resp: 1482912
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 51.784 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion:119 Resp: 1411032
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.5
 91 23.2 11.5 34.4

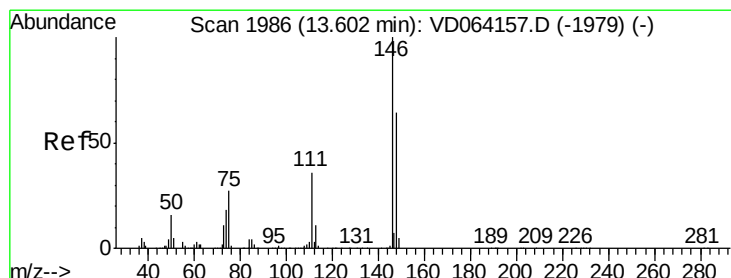
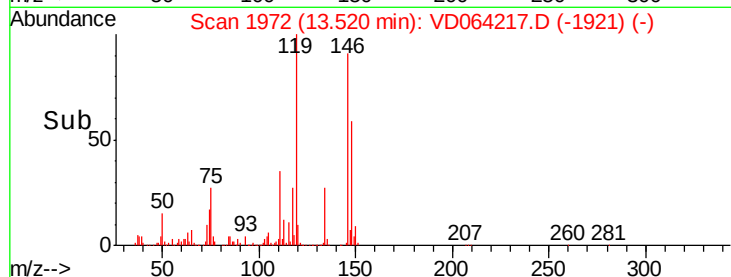
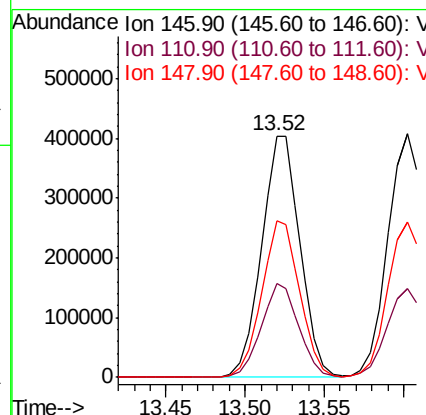
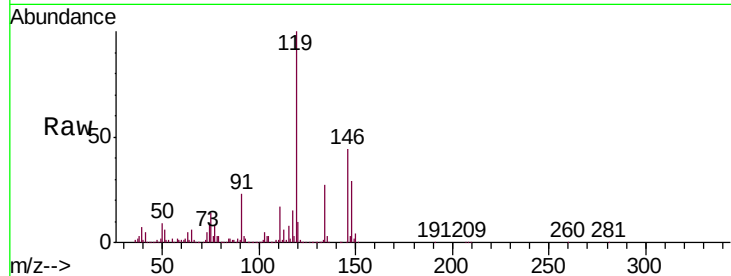




#87
 1,3-Dichlorobenzene
 Concen: 51.263 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

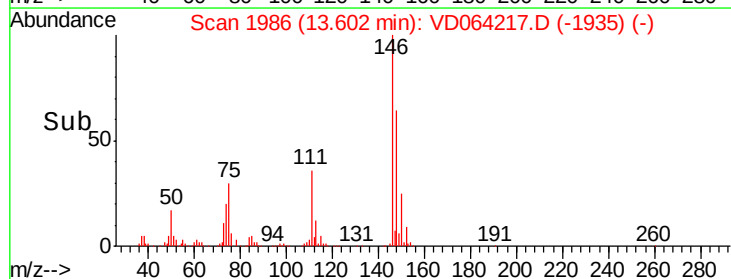
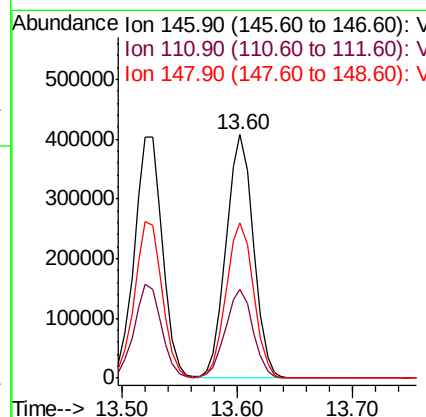
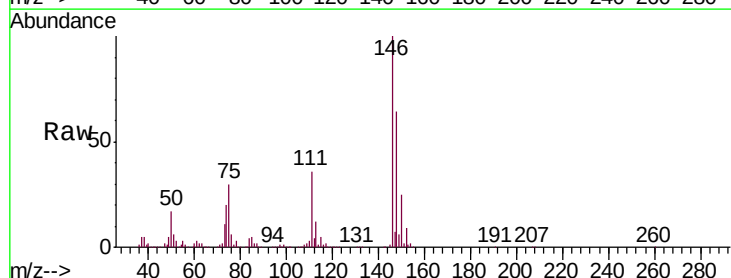
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

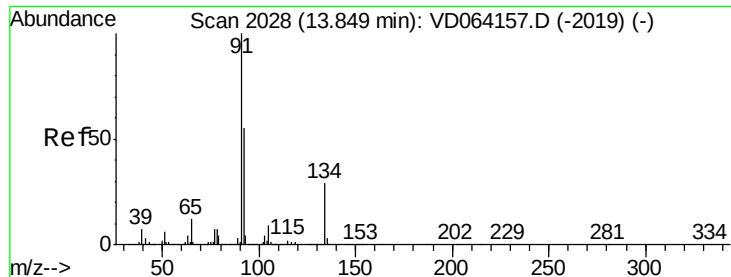
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	63.7	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 51.600 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.4
148	64.3	31.9	95.7

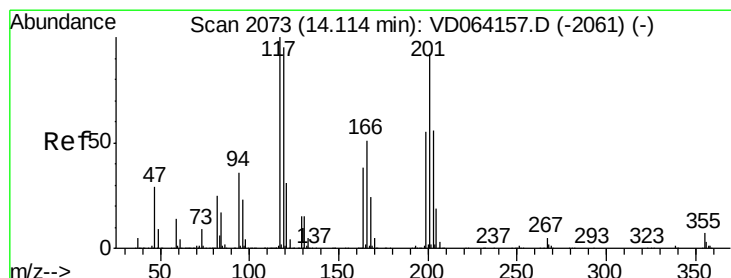
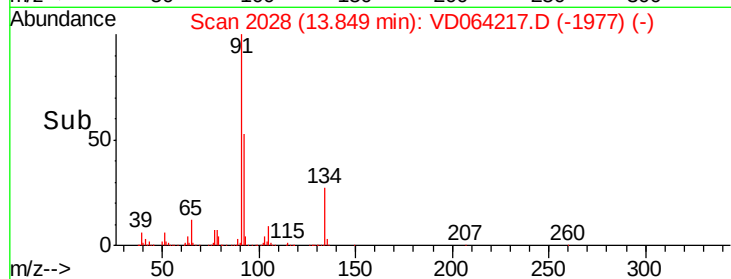
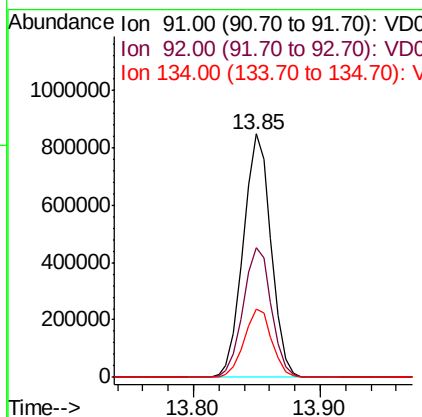
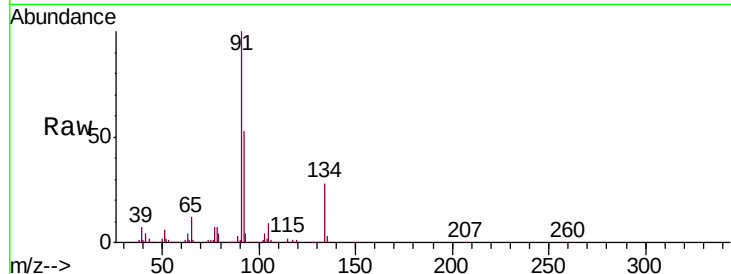




#89
n-Butylbenzene
Concen: 52.327 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

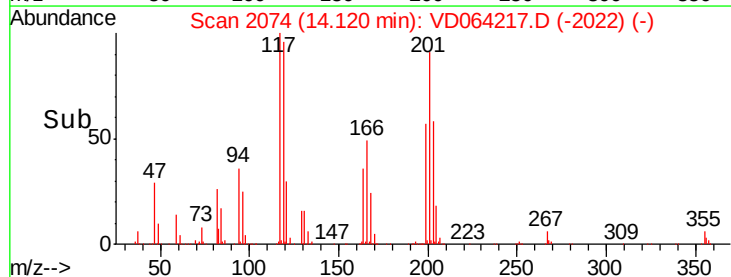
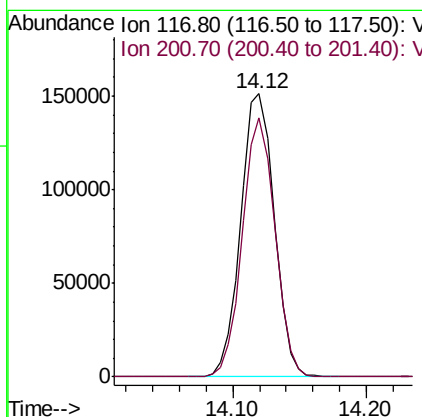
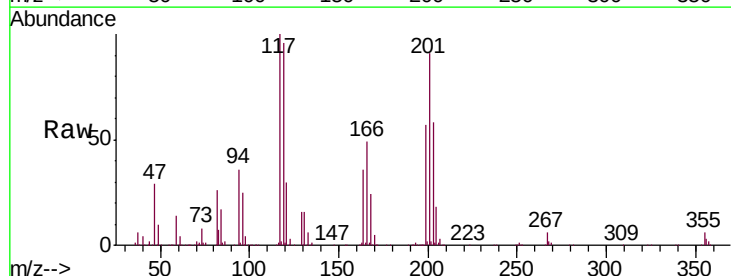
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

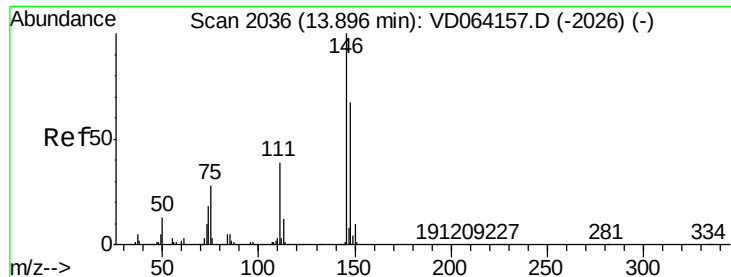
Tgt Ion: 91 Resp: 1288169
Ion Ratio Lower Upper
91 100
92 54.1 27.3 81.8
134 28.0 14.1 42.4



#90
Hexachloroethane
Concen: 52.284 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion: 117 Resp: 263293
Ion Ratio Lower Upper
117 100
201 88.6 45.8 137.4

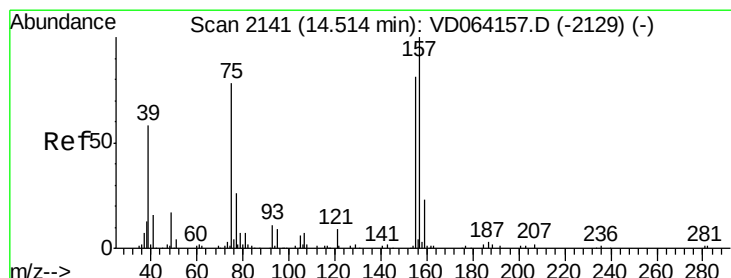
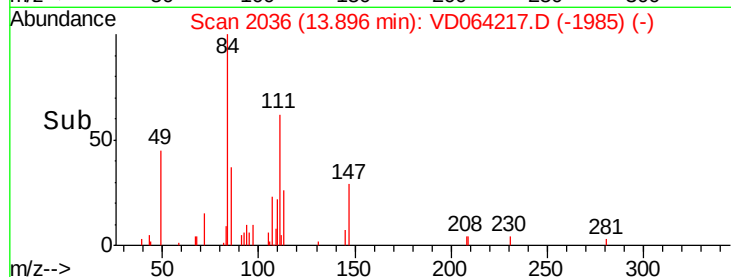
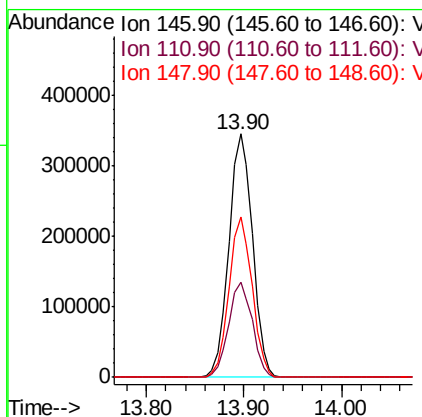
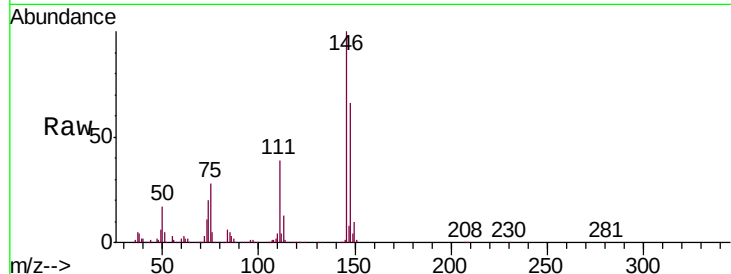




#91
 1,2-Dichlorobenzene
 Concen: 51.453 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

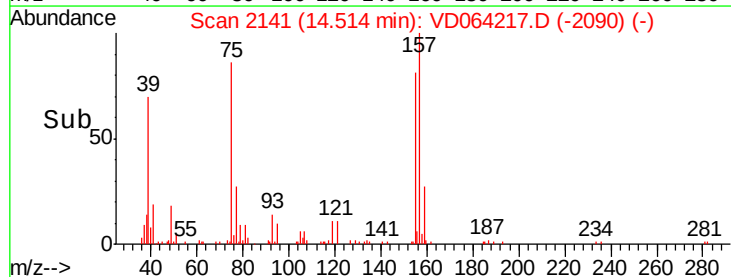
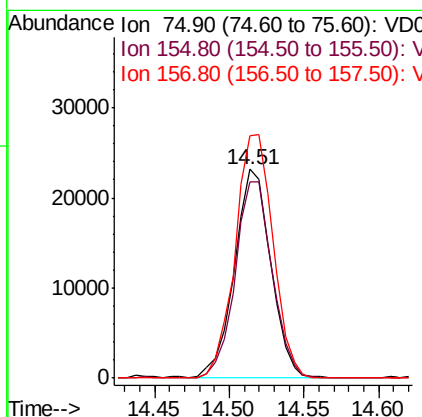
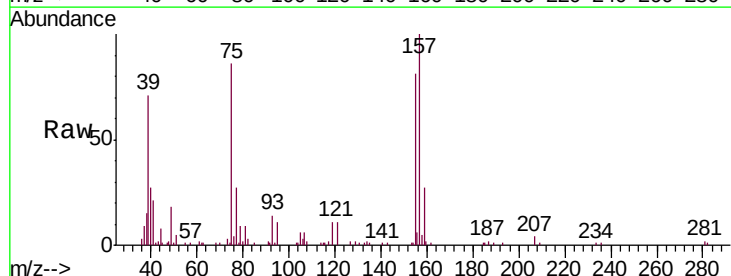
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

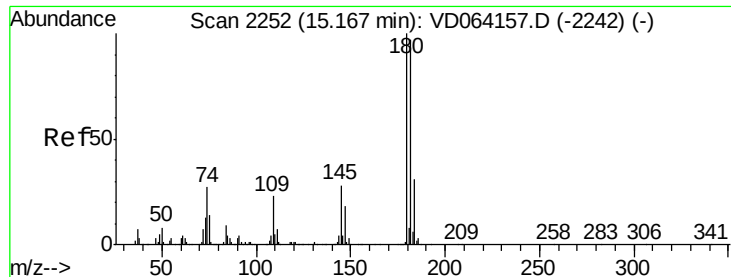
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.547 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.0	144.0
157	120.6	61.5	184.4

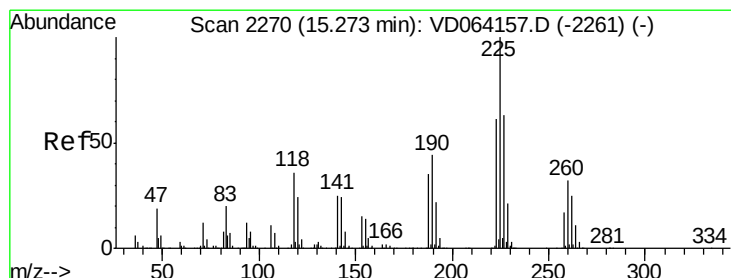
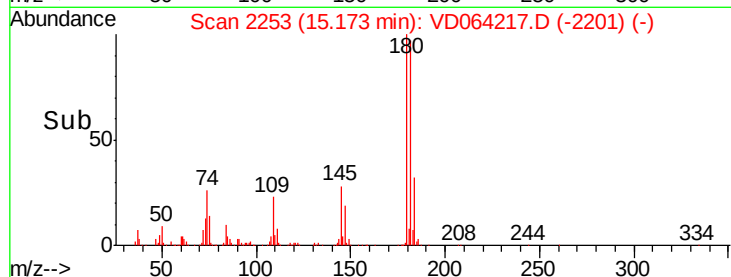
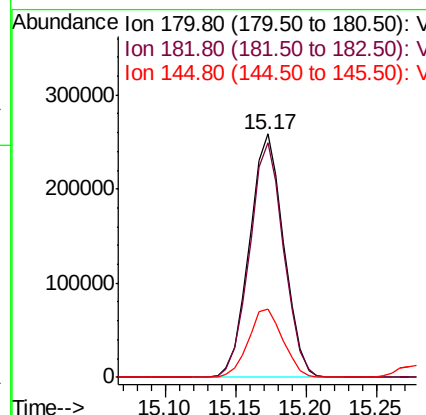
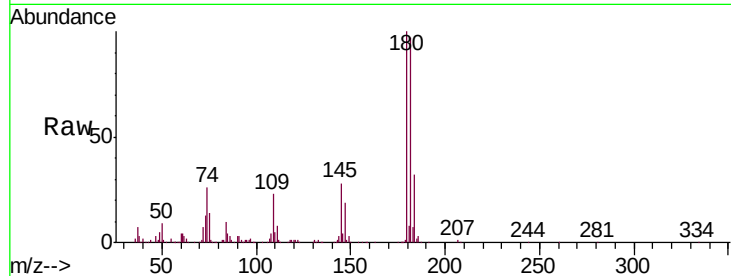




#93
 1,2,4-Trichlorobenzene
 Concen: 50.756 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

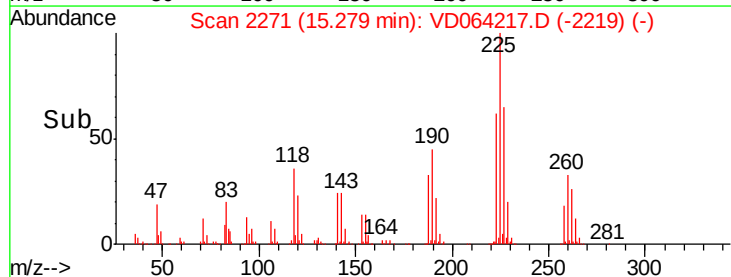
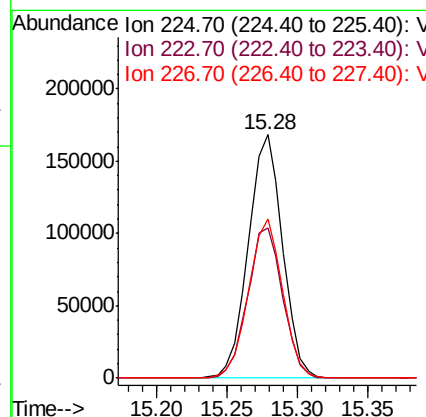
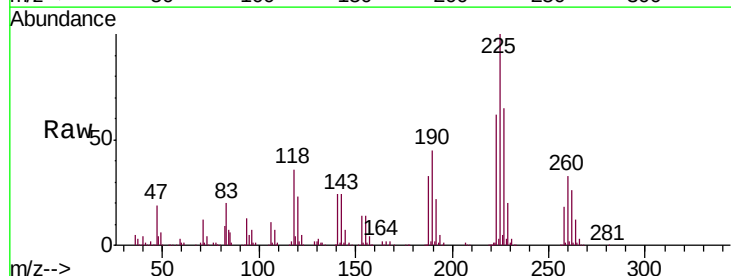
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

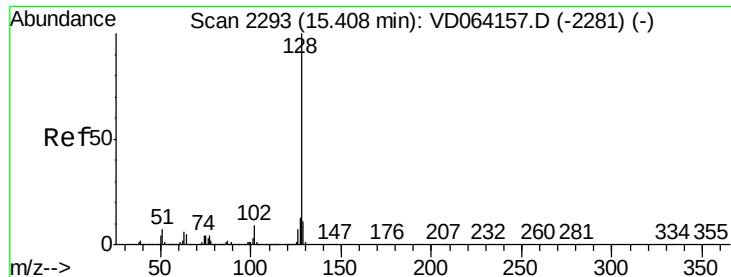
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.5
145	28.5	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 51.071 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064217.D
 Acq: 15 Nov 2019 10:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.3
227	64.6	31.5	94.5

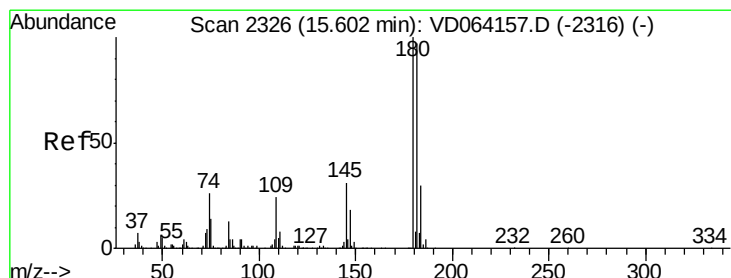
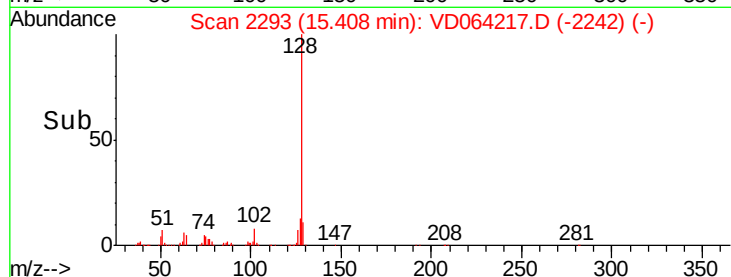
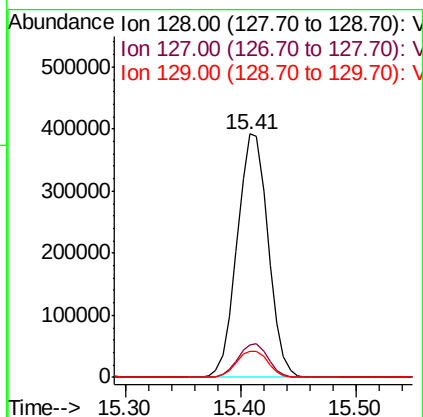
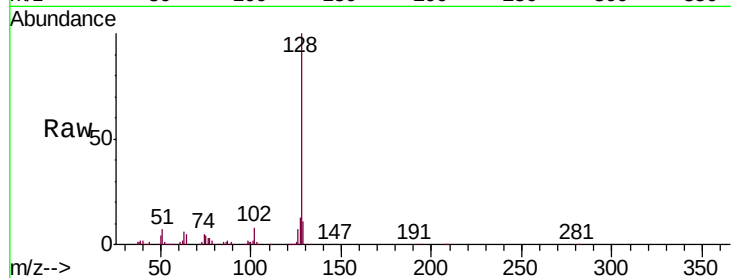




#95
Naphthalene
Concen: 51.312 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 729462
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.512 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064217.D
Acq: 15 Nov 2019 10:05

Tgt Ion:180 Resp: 372364
Ion Ratio Lower Upper
180 100
182 97.6 48.3 144.9
145 29.9 15.3 45.8

