

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064557.D
 Acq On : 17 Dec 2019 20:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 18 00:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	342977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	512142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	468933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234796	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	170945	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	7.92	113	178088	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	10.34	98	658114	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.64	95	209624	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	119717	38.523	ug/l 99
3) Chloromethane	2.21	50	161804	41.280	ug/l 96
4) Vinyl Chloride	2.35	62	194769	43.036	ug/l 100
5) Bromomethane	2.77	94	145973	43.616	ug/l 100
6) Chloroethane	2.93	64	136507	45.127	ug/l 98
7) Trichlorofluoromethane	3.27	101	338802	45.032	ug/l 98
8) Diethyl Ether	3.71	74	70471	45.075	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	140610	43.588	ug/l 97
10) Methyl Iodide	4.29	142	156049	45.807	ug/l 99
11) Tert butyl alcohol	5.25	59	41814	211.595	ug/l # 100
12) 1,1-Dichloroethene	4.06	96	133159	43.074	ug/l 96
13) Acrolein	3.93	56	68155	252.855	ug/l 97
14) Allyl chloride	4.71	41	218274	45.242	ug/l 99
15) Acrylonitrile	5.43	53	150032	219.453	ug/l 99
16) Acetone	4.17	43	139236	221.945	ug/l 97
17) Carbon Disulfide	4.40	76	402583	41.118	ug/l 97
18) Methyl Acetate	4.73	43	89821	49.085	ug/l 97
19) Methyl tert-butyl Ether	5.49	73	316315	44.606	ug/l 99
20) Methylene Chloride	4.97	84	157754	49.441	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	157213	44.958	ug/l 93
22) Diisopropyl ether	6.37	45	446371	46.867	ug/l 95
23) Vinyl Acetate	6.31	43	1235154	219.978	ug/l 98
24) 1,1-Dichloroethane	6.27	63	271629	47.423	ug/l 98
25) 2-Butanone	7.23	43	190772	215.028	ug/l 95
26) 2,2-Dichloropropane	7.21	77	225112	45.192	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	176470	46.289	ug/l 99
28) Bromochloromethane	7.55	49	111606	57.015	ug/l 96
29) Tetrahydrofuran	7.57	42	121528	215.301	ug/l 99
30) Chloroform	7.71	83	283509	47.793	ug/l 96
31) Cyclohexane	7.98	56	233863	46.439	ug/l 93
32) 1,1,1-Trichloroethane	7.90	97	258204	46.949	ug/l 98
36) 1,1-Dichloropropene	8.11	75	212416	43.850	ug/l 99
37) Ethyl Acetate	7.30	43	89427	43.507	ug/l 98
38) Carbon Tetrachloride	8.10	117	230856	45.154	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	250951	41.763	ug/l	97
40) Benzene	8.36	78	616153	45.796	ug/l	98
41) Methacrylonitrile	7.53	41	47209	40.049	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	179597	45.773	ug/l	98
43) Isopropyl Acetate	8.46	43	174484	43.174	ug/l	99
44) Trichloroethene	9.11	130	176949	43.661	ug/l	96
45) 1,2-Dichloropropane	9.39	63	150414	46.746	ug/l	97
46) Dibromomethane	9.48	93	83206	45.817	ug/l	99
47) Bromodichloromethane	9.66	83	223274	47.848	ug/l	98
48) Methyl methacrylate	9.46	41	81537	44.090	ug/l	98
49) 1,4-Dioxane	9.47	88	19736	880.062	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	430776	215.423	ug/l	100
52) Toluene	10.40	92	397976	45.388	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	202043	45.432	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	240727	45.565	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	109654	44.096	ug/l	100
56) Ethyl methacrylate	10.66	69	140195	44.203	ug/l	99
57) 1,3-Dichloropropane	10.95	76	194459	45.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	277935	219.826	ug/l	98
59) 2-Hexanone	10.99	43	295694	213.104	ug/l	99
60) Dibromochloromethane	11.14	129	154857	45.930	ug/l	99
61) 1,2-Dibromoethane	11.25	107	109916	44.270	ug/l	99
64) Tetrachloroethene	10.88	164	160593	44.909	ug/l	98
65) Chlorobenzene	11.67	112	431687	44.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	165677	45.760	ug/l	99
67) Ethyl Benzene	11.75	91	752182	43.225	ug/l	100
68) m/p-Xylenes	11.86	106	579795	87.384	ug/l	99
69) o-Xylene	12.18	106	263502	43.001	ug/l	95
70) Styrene	12.20	104	476062	44.706	ug/l	99
71) Bromoform	12.37	173	93795	43.301	ug/l #	97
73) Isopropylbenzene	12.48	105	721748	42.740	ug/l	99
74) N-amyl acetate	12.30	43	156493	40.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	115017	41.187	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	155059	80.305	ug/l #	100
77) Bromobenzene	12.77	156	181124	43.434	ug/l	100
78) n-propylbenzene	12.83	91	840971	43.162	ug/l	99
79) 2-Chlorotoluene	12.91	91	453960	42.343	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	587361	42.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	37513	42.363	ug/l	97
82) 4-Chlorotoluene	13.01	91	481833	42.447	ug/l	100
83) tert-Butylbenzene	13.23	119	513917	42.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	589293	42.468	ug/l	100
85) sec-Butylbenzene	13.41	105	698119	42.398	ug/l	100
86) p-Isopropyltoluene	13.53	119	667421	42.934	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	342112	43.224	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	328948	42.096	ug/l	99
89) n-Butylbenzene	13.86	91	593487	42.040	ug/l	99
90) Hexachloroethane	14.12	117	126637	43.554	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	292344	43.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	18828	44.654	ug/l	93

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QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

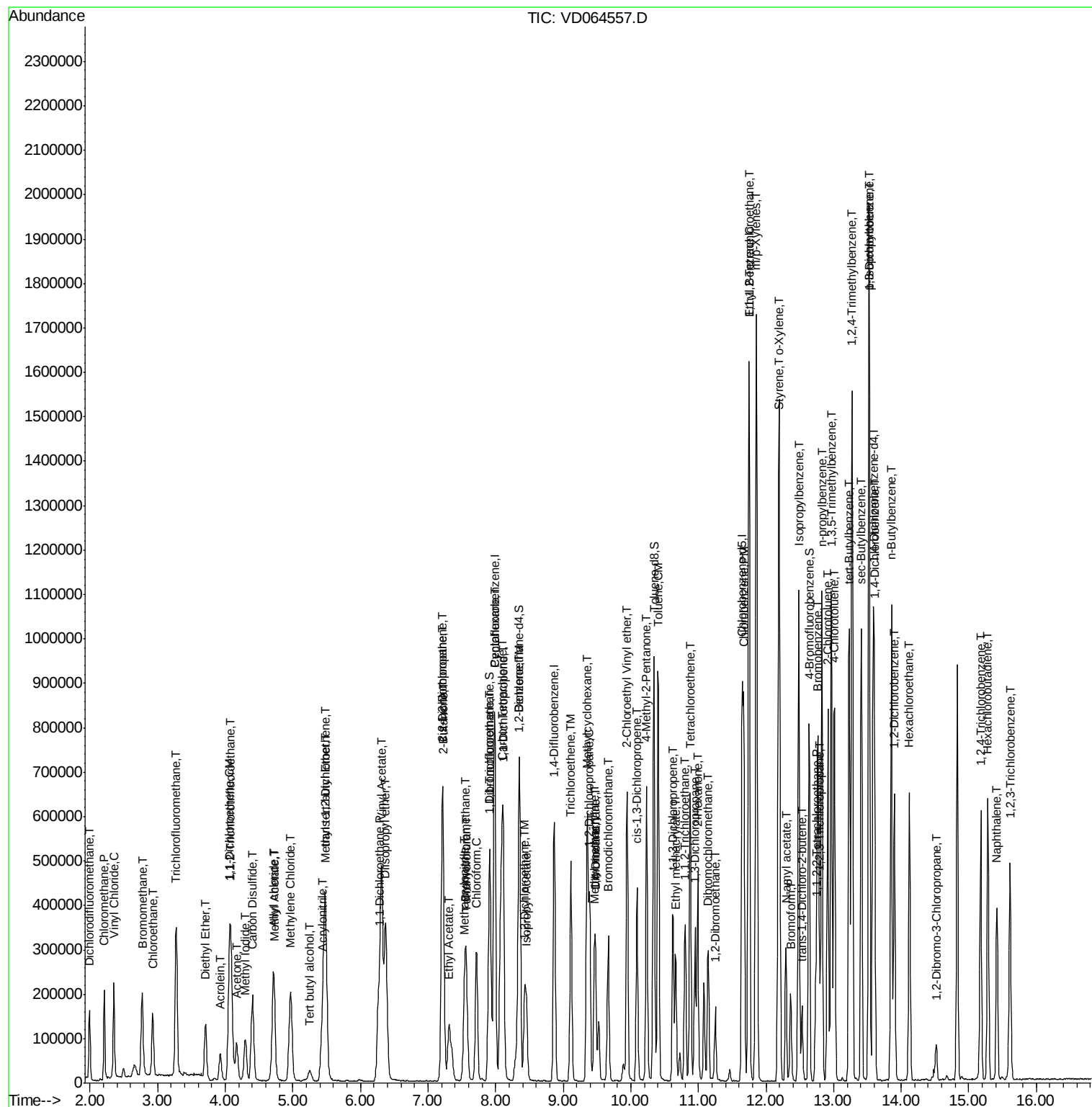
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	214015	41.313	ug/l	99
94) Hexachlorobutadiene	15.28	225	129459	40.481	ug/l	99
95) Naphthalene	15.41	128	348295	40.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	181396	41.022	ug/l	98

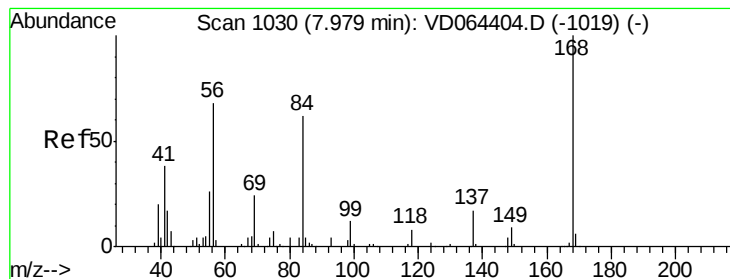
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

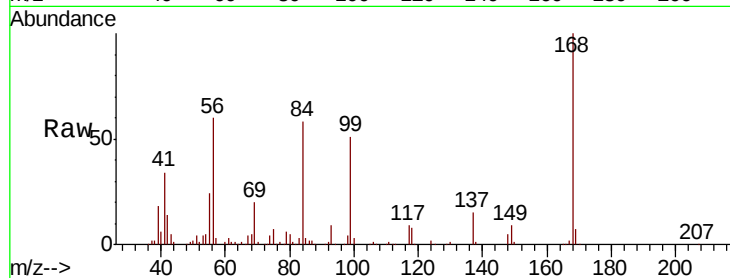
VSTDCCC050EC

Tgt Ion:168 Resp: 342977

Ion Ratio Lower Upper

168 100

99 50.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

100000

50000

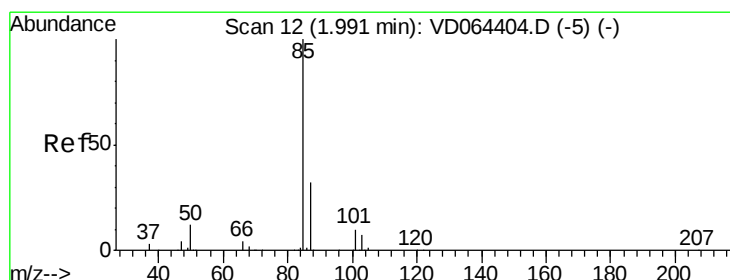
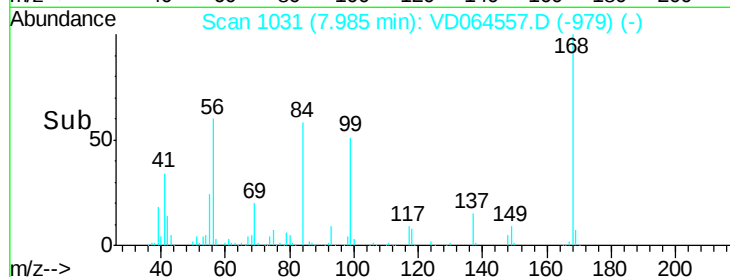
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.523 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064557.D

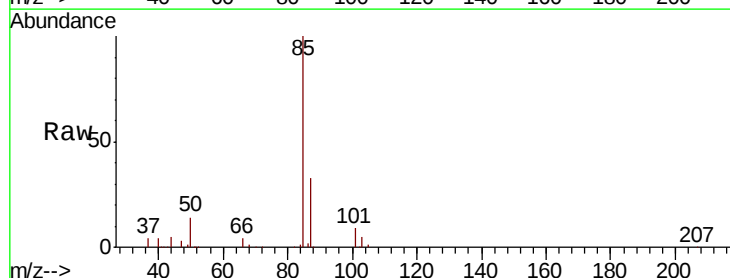
Acq: 17 Dec 2019 20:54

Tgt Ion: 85 Resp: 119717

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

40000

20000

0

1.90

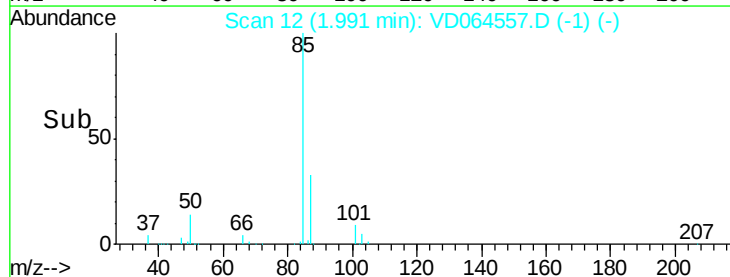
1.95

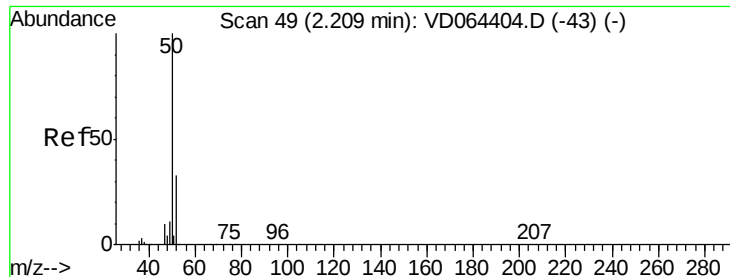
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 41.280 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

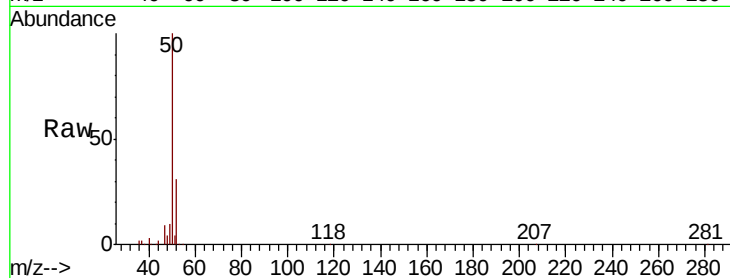
VSTDCCC050EC

Tgt Ion: 50 Resp: 161804

Ion Ratio Lower Upper

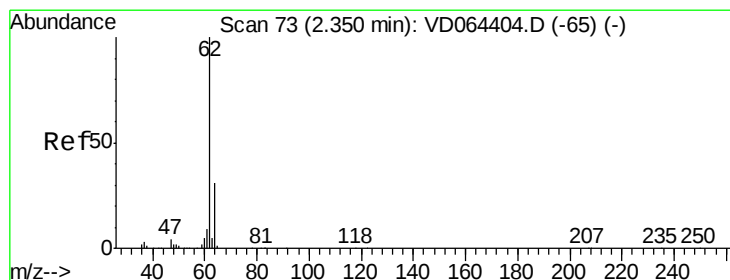
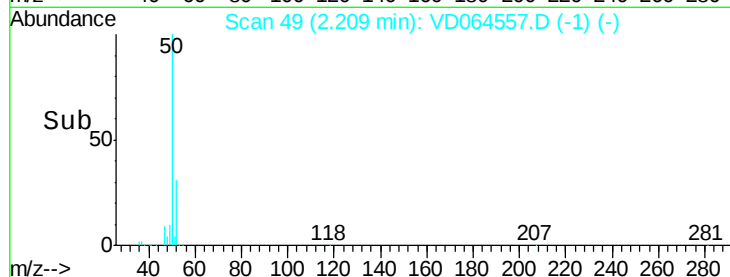
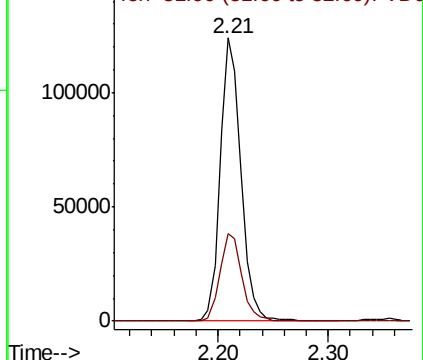
50 100

52 31.1 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.036 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064557.D

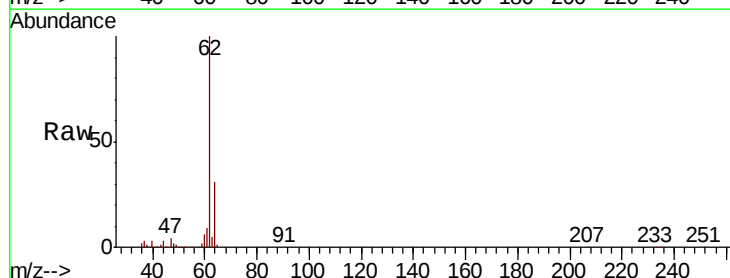
Acq: 17 Dec 2019 20:54

Tgt Ion: 62 Resp: 194769

Ion Ratio Lower Upper

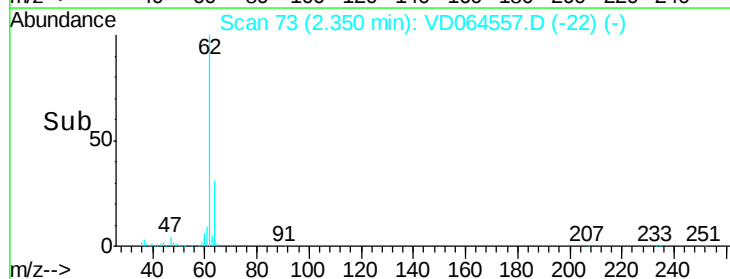
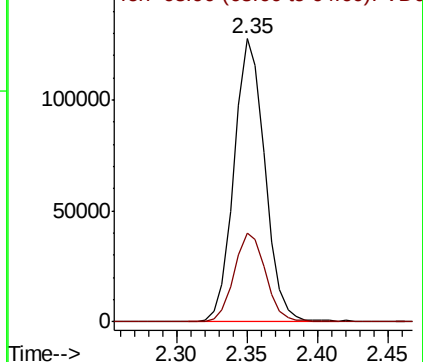
62 100

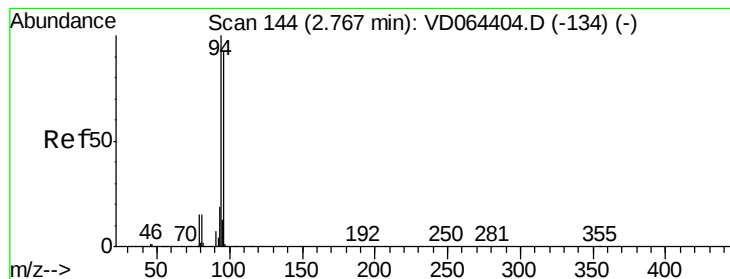
64 31.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.616 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

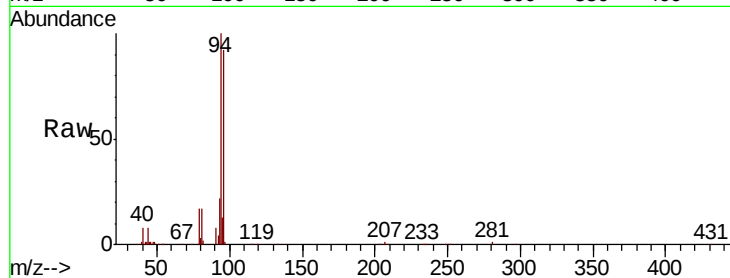
VSTDCCC050EC

Tgt Ion: 94 Resp: 145973

Ion Ratio Lower Upper

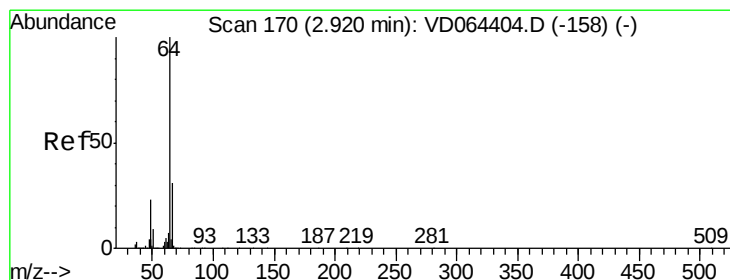
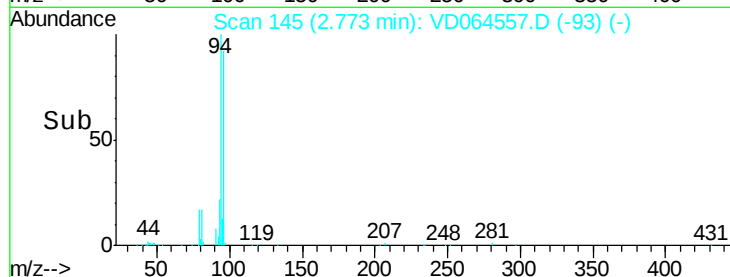
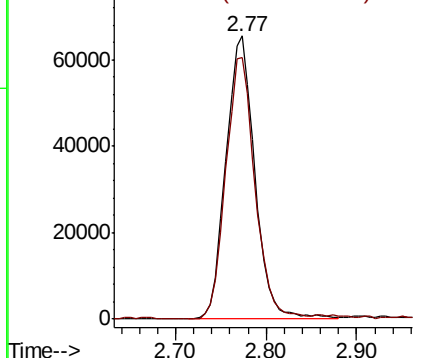
94 100

96 92.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.127 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064557.D

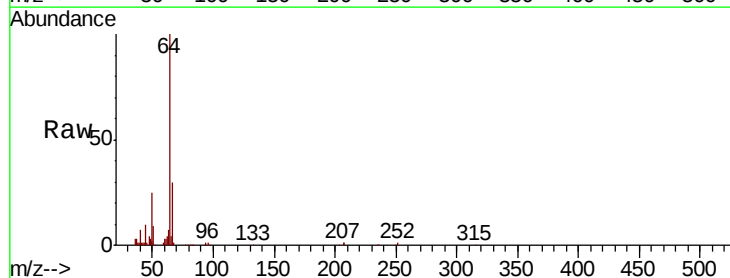
Acq: 17 Dec 2019 20:54

Tgt Ion: 64 Resp: 136507

Ion Ratio Lower Upper

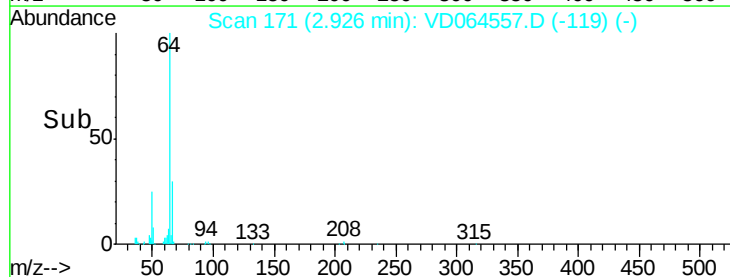
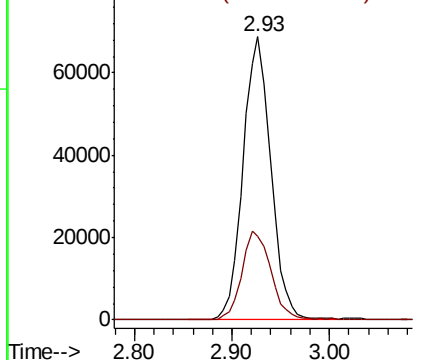
64 100

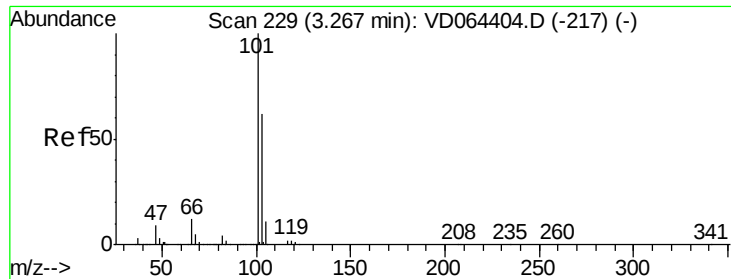
66 29.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



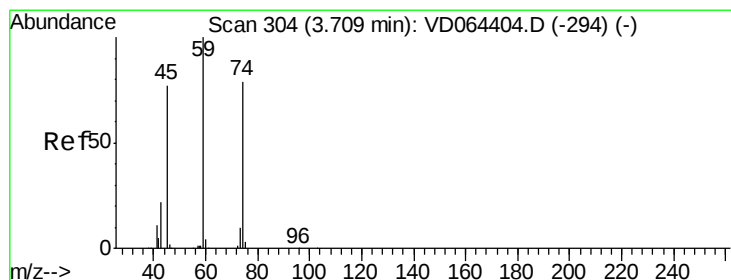
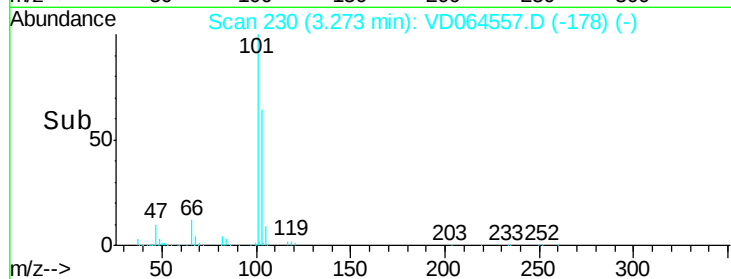
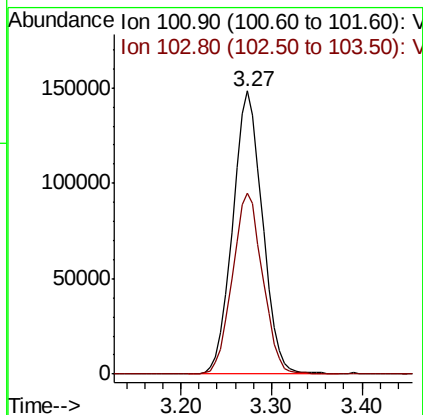
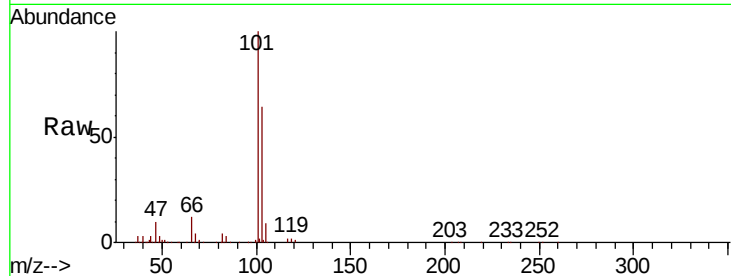


#7

Trichlorofluoromethane
Concen: 45.032 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

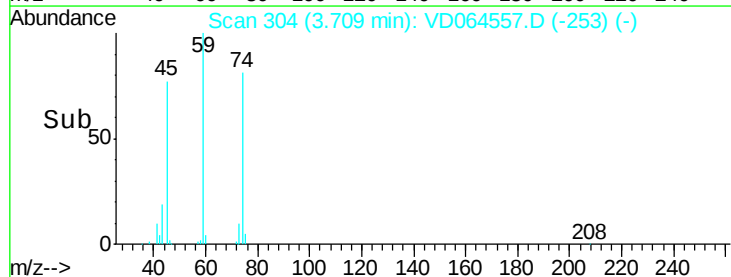
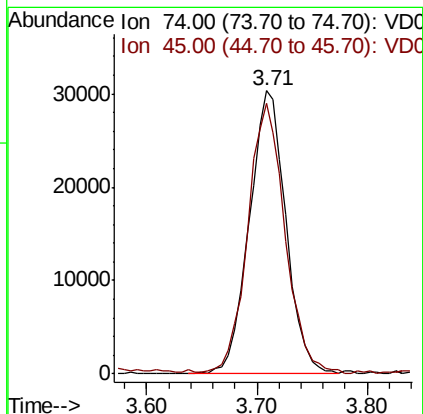
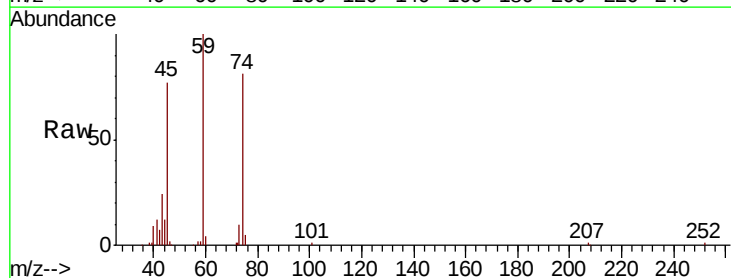
Tgt Ion: 101 Resp: 338802
Ion Ratio Lower Upper
101 100
103 64.0 49.8 74.6

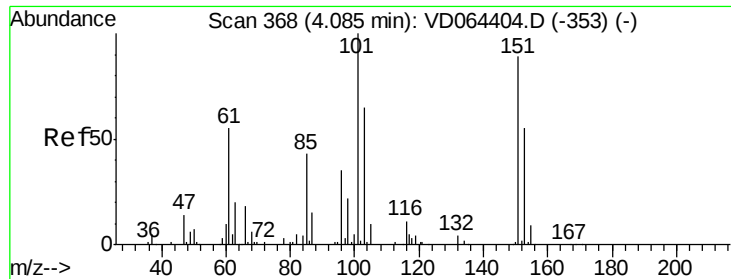


#8

Diethyl Ether
Concen: 45.075 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 74 Resp: 70471
Ion Ratio Lower Upper
74 100
45 97.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.588 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

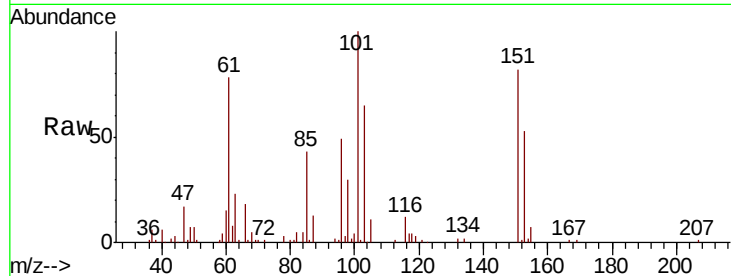
Tgt Ion:101 Resp: 140610

Ion Ratio Lower Upper

101 100

85 45.5 34.8 52.2

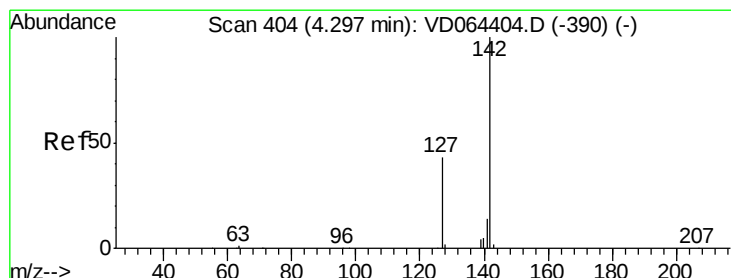
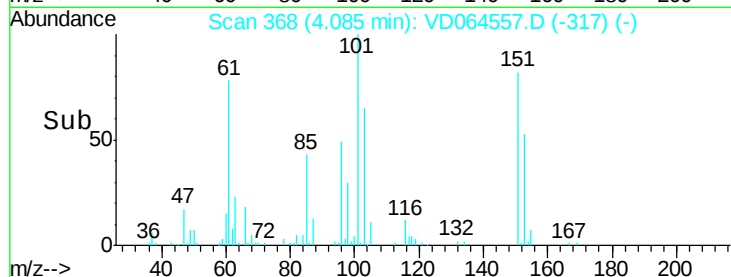
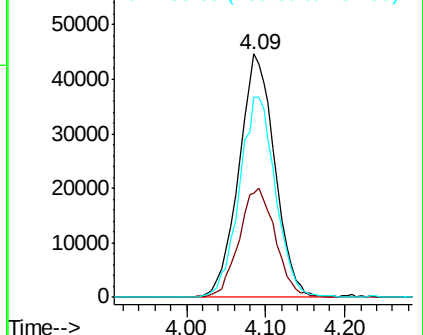
151 83.0 68.8 103.2



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: 45.807 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

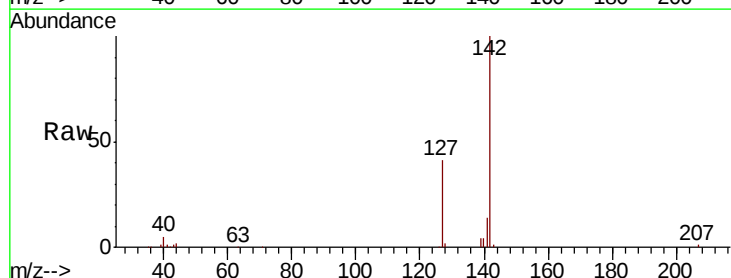
Tgt Ion:142 Resp: 156049

Ion Ratio Lower Upper

142 100

127 45.3 35.3 52.9

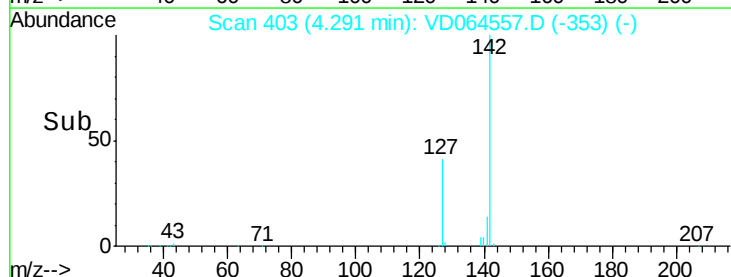
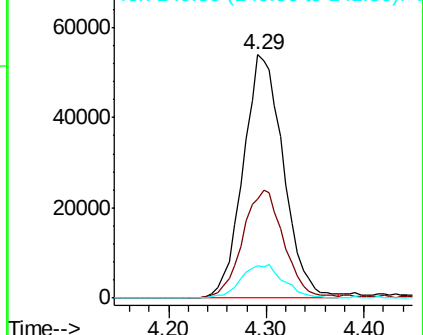
141 14.4 11.6 17.4

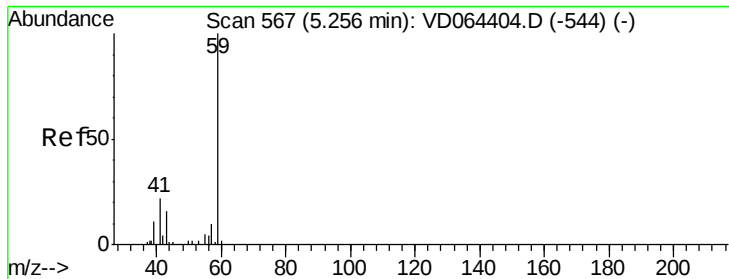


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



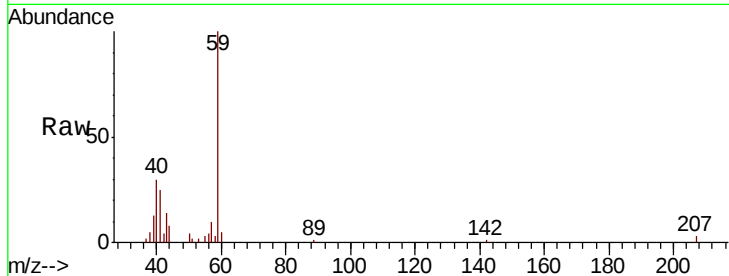


#11

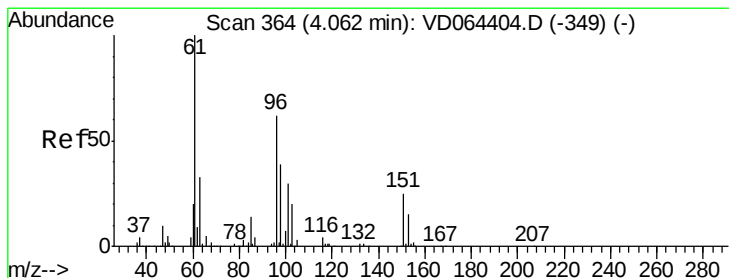
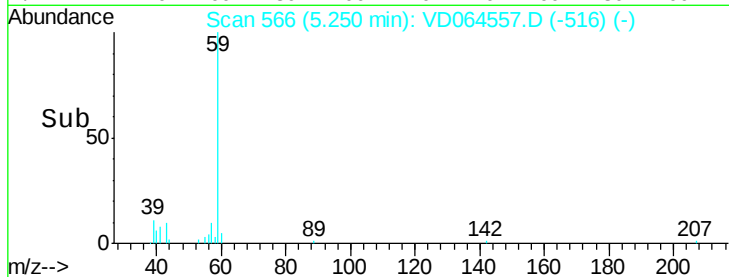
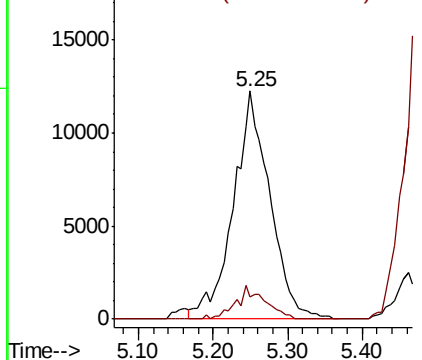
Tert butyl alcohol
 Concen: 211.595 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 59 Resp: 41814
 Ion Ratio Lower Upper
 59 100
 57 11.4 0.0 0.0#



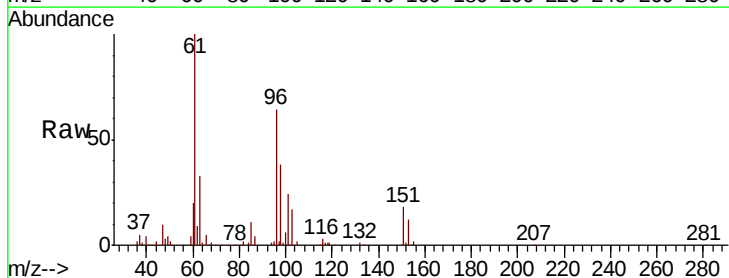
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



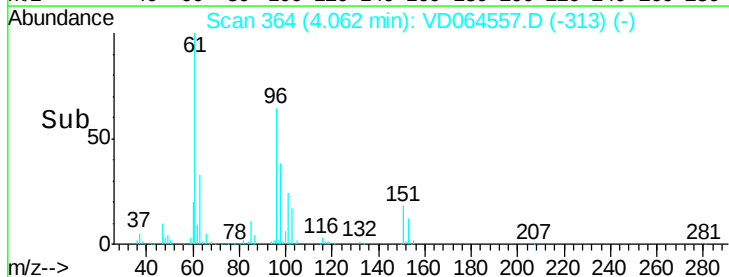
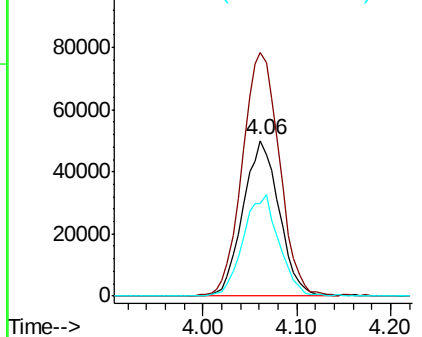
#12

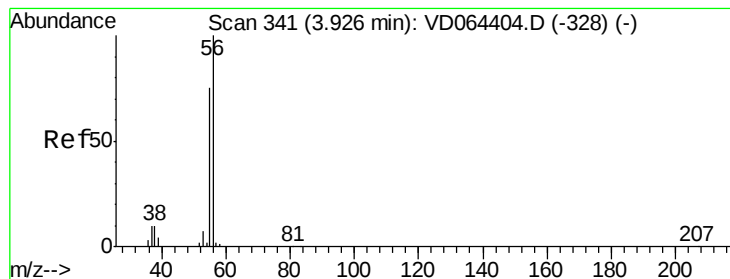
1,1-Dichloroethene
 Concen: 43.074 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 96 Resp: 133159
 Ion Ratio Lower Upper
 96 100
 61 156.4 128.2 192.4
 98 59.2 50.4 75.6



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





#13

Acrolein

Concen: 252.855 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

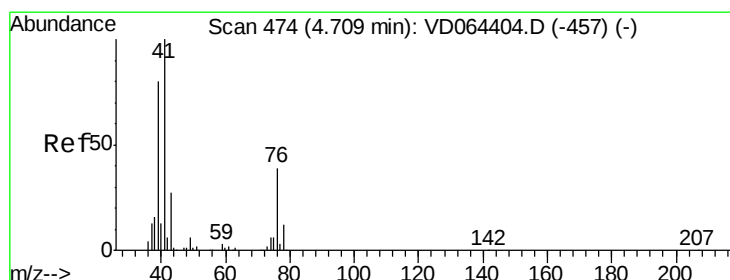
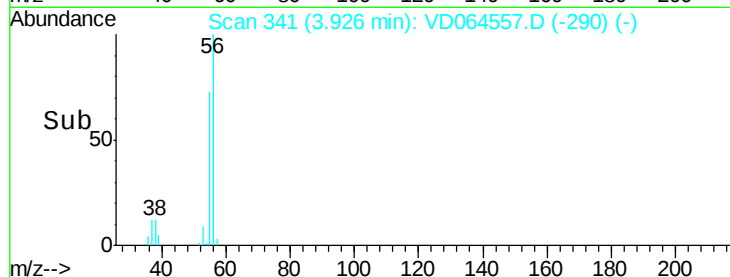
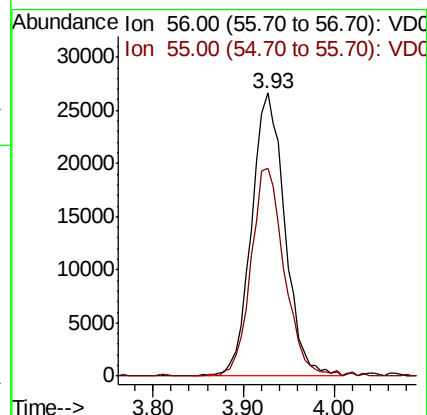
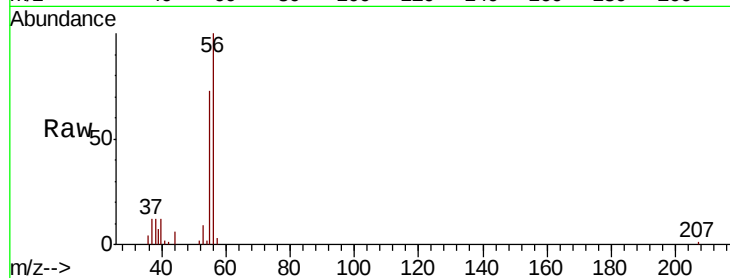
VSTDCCC050EC

Tgt Ion: 56 Resp: 68155

Ion Ratio Lower Upper

56 100

55 73.6 56.9 85.3



#14

Allyl chloride

Concen: 45.242 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

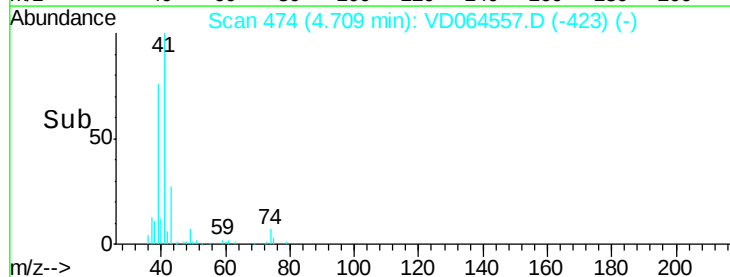
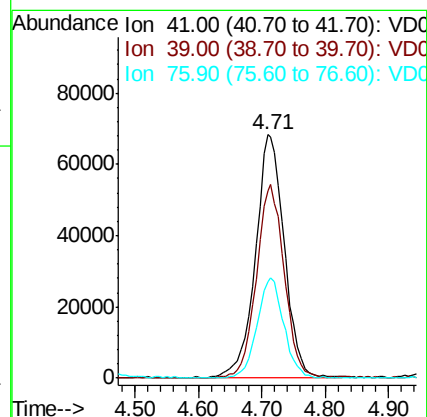
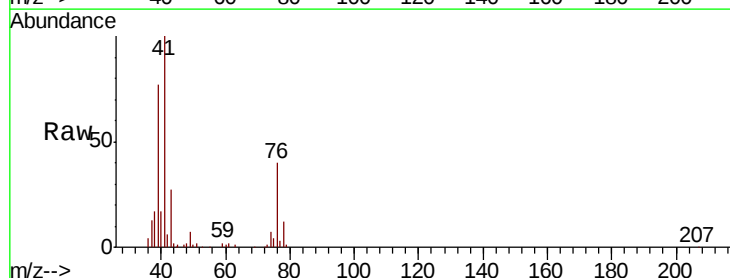
Tgt Ion: 41 Resp: 218274

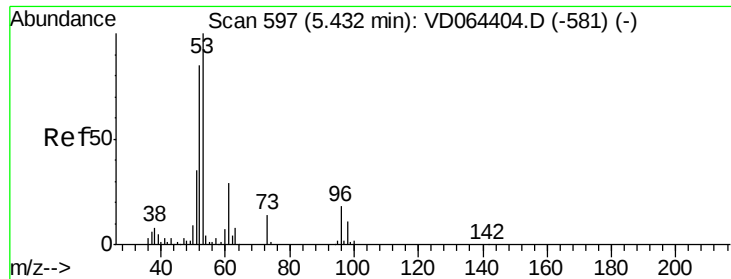
Ion Ratio Lower Upper

41 100

39 76.5 62.1 93.1

76 38.0 29.8 44.8





#15

Acrylonitrile

Concen: 219.453 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

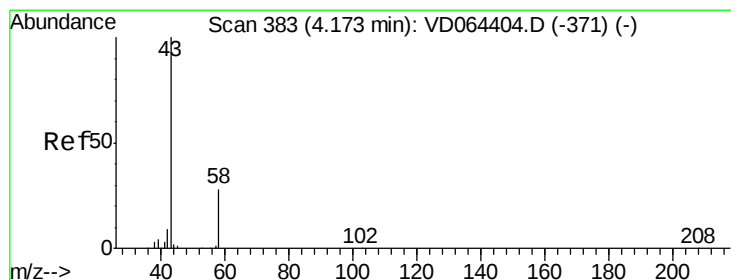
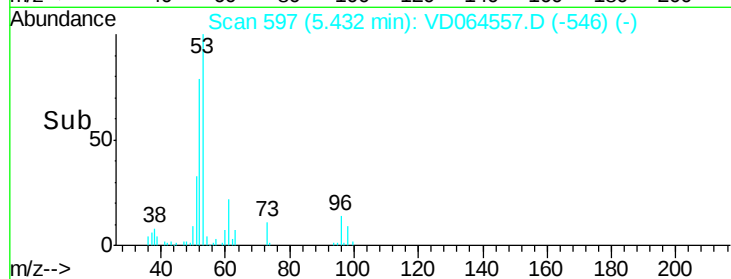
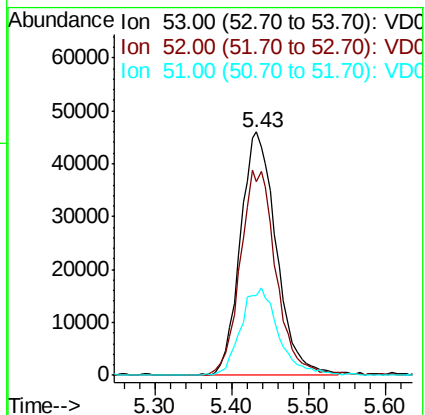
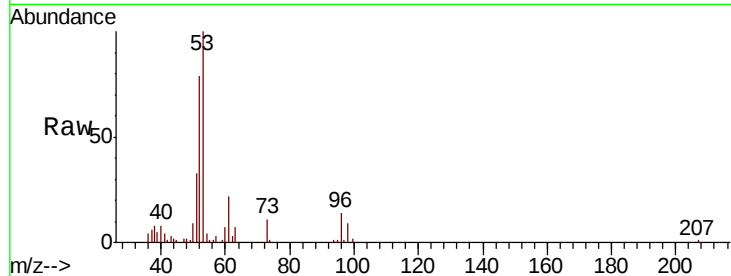
Tgt Ion: 53 Resp: 150032

Ion Ratio Lower Upper

53 100

52 84.2 67.9 101.9

51 37.7 30.6 45.8



#16

Acetone

Concen: 221.945 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064557.D

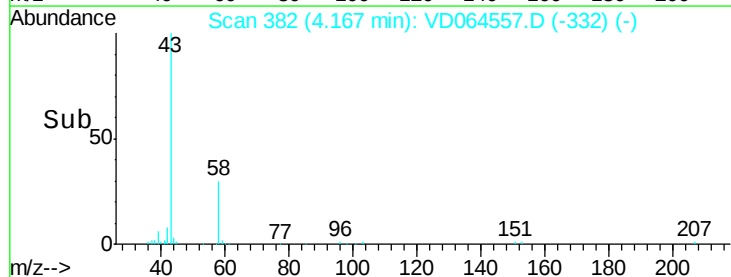
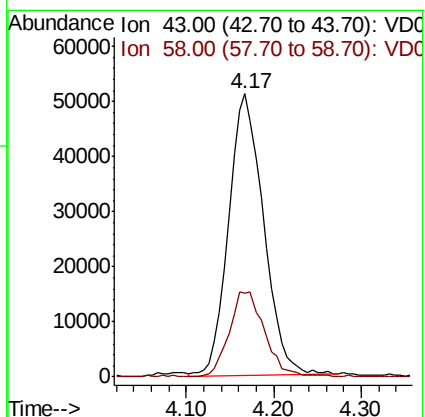
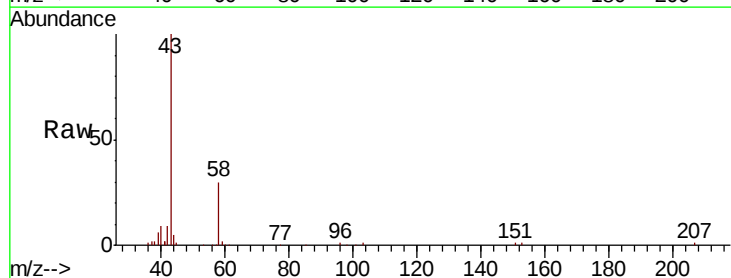
Acq: 17 Dec 2019 20:54

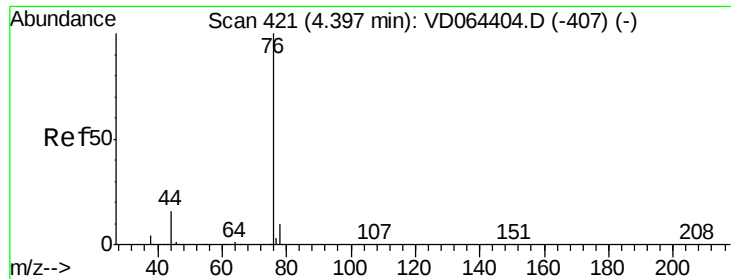
Tgt Ion: 43 Resp: 139236

Ion Ratio Lower Upper

43 100

58 29.9 22.6 33.8

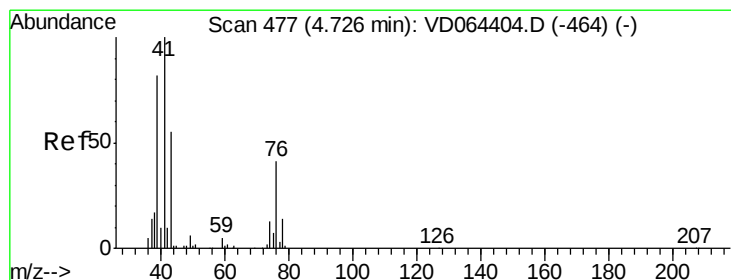
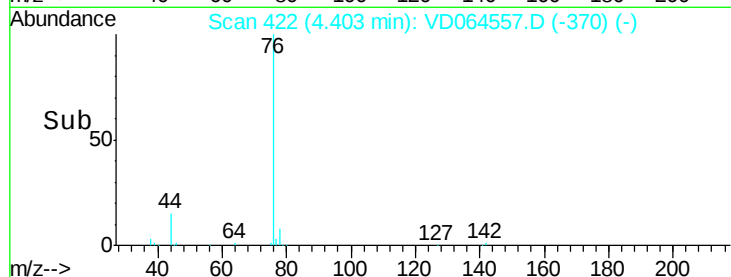
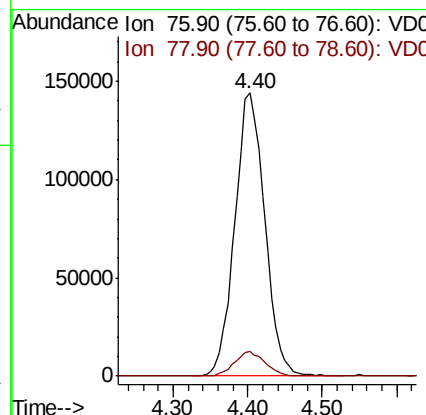
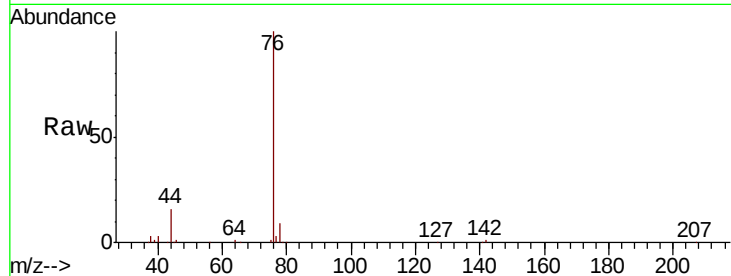




#17
Carbon Disulfide
Concen: 41.118 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

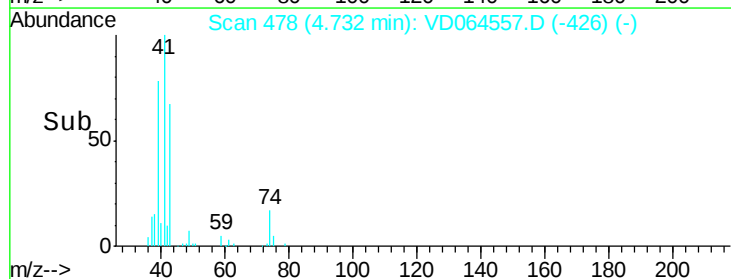
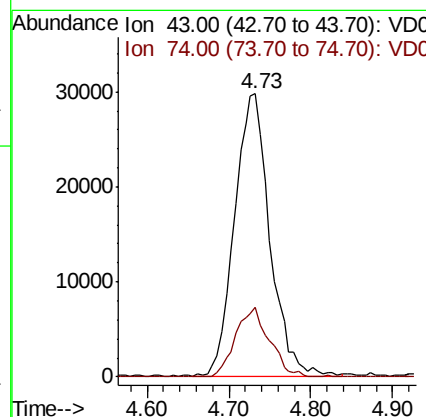
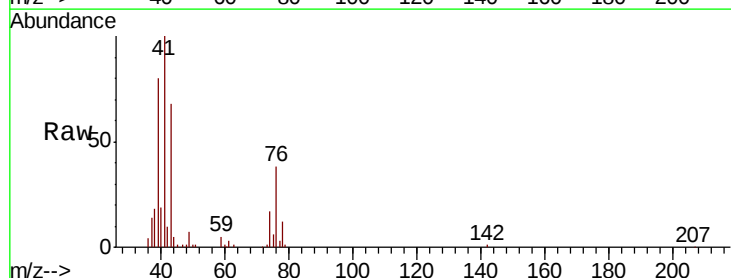
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

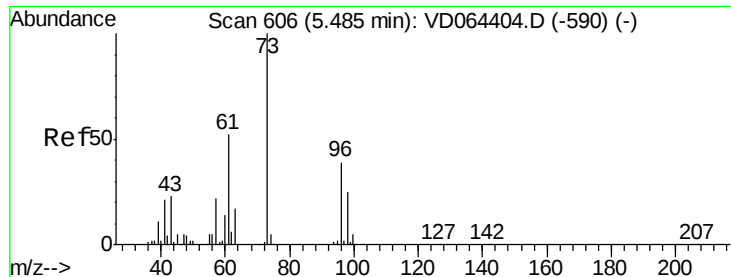
Tgt Ion: 76 Resp: 402583
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.8



#18
Methyl Acetate
Concen: 49.085 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 43 Resp: 89821
Ion Ratio Lower Upper
43 100
74 23.3 19.7 29.5



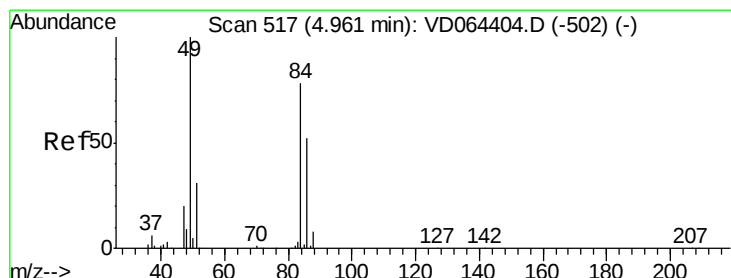
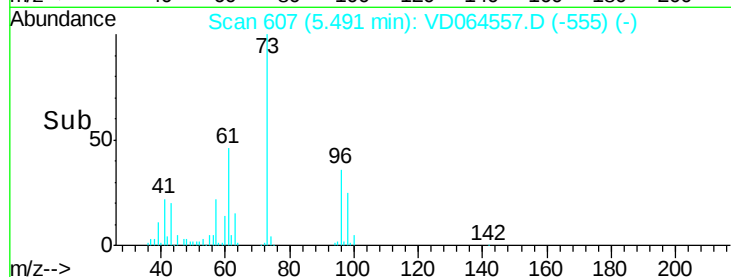
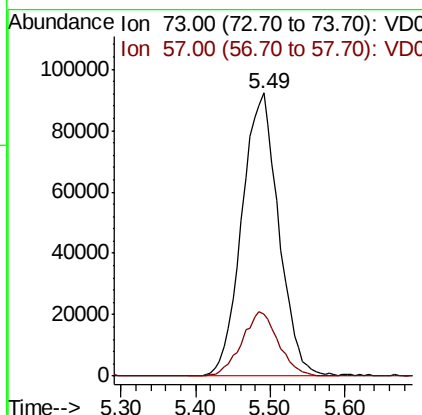
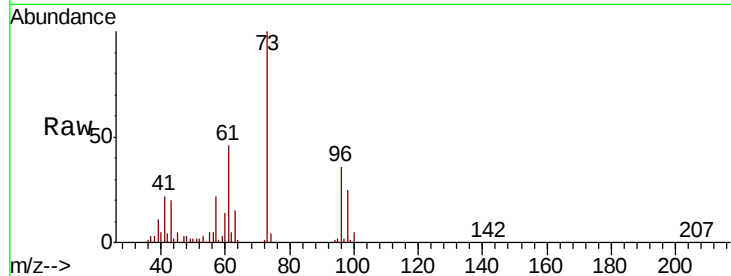


#19

Methyl tert-butyl Ether
 Concen: 44.606 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

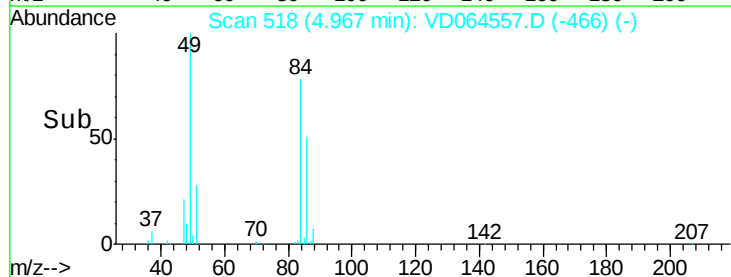
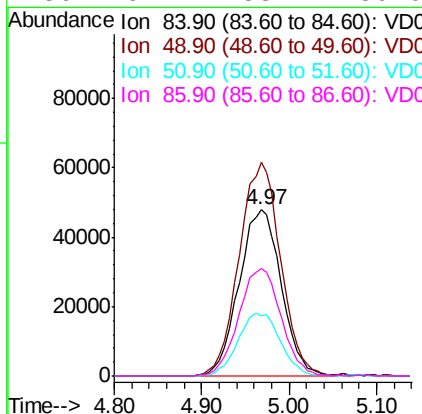
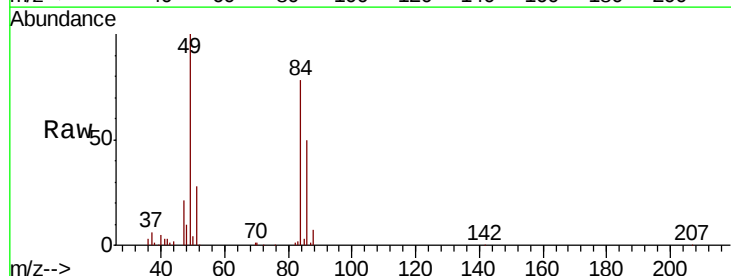
Tgt Ion: 73 Resp: 316315
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.6 26.4

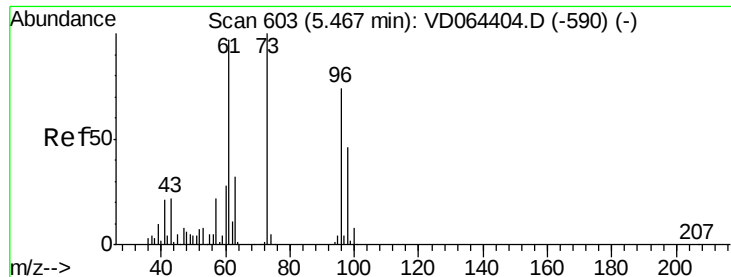


#20

Methylene Chloride
 Concen: 49.441 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 84 Resp: 157754
 Ion Ratio Lower Upper
 84 100
 49 128.0 102.6 153.8
 51 36.1 32.0 48.0
 86 64.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 44.958 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

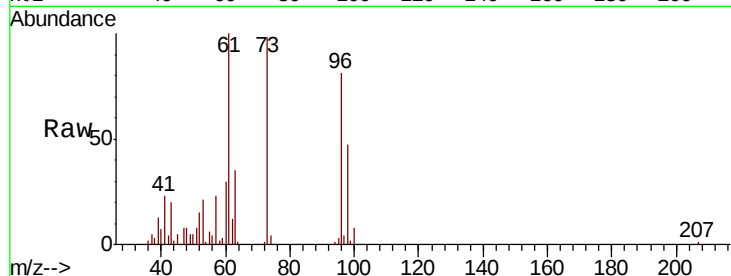
Tgt Ion: 96 Resp: 157213

Ion Ratio Lower Upper

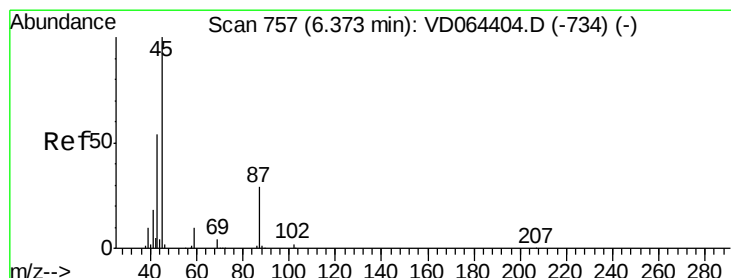
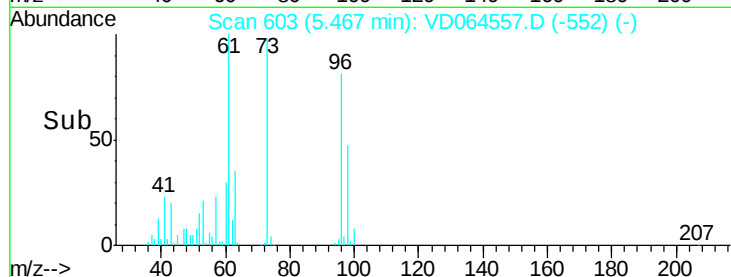
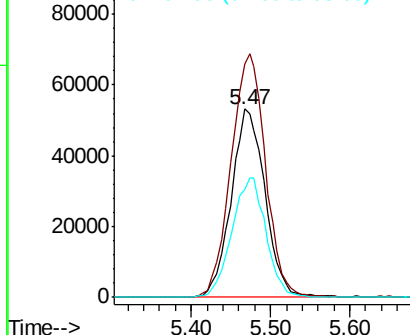
96 100

61 123.8 105.8 158.6

98 57.7 50.1 75.1



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



#22

Diisopropyl ether

Concen: 46.867 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion: 45 Resp: 446371

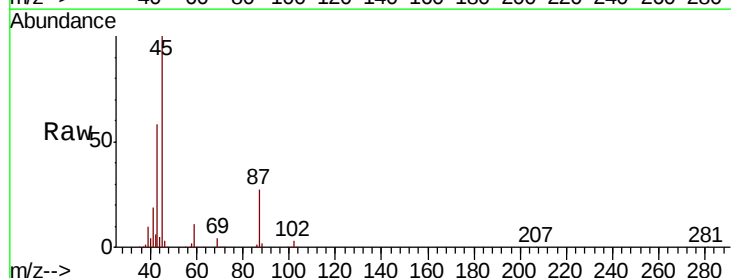
Ion Ratio Lower Upper

45 100

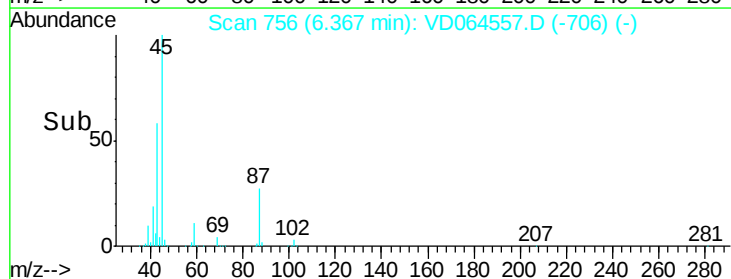
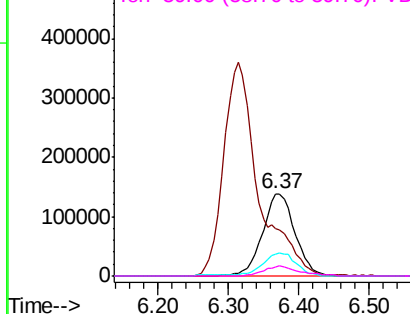
43 58.2 43.1 64.7

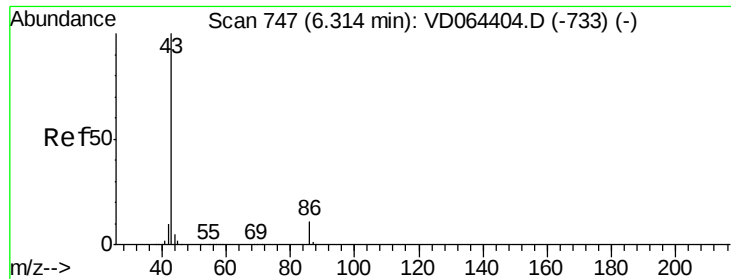
87 26.6 23.5 35.3

59 11.1 8.2 12.2



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





#23

Vinyl Acetate

Concen: 219.978 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

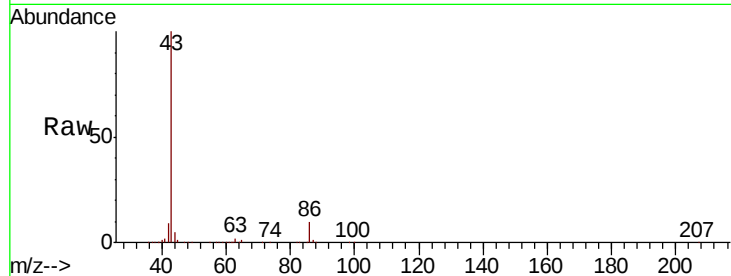
VSTDCCC050EC

Tgt Ion: 43 Resp: 1235154

Ion Ratio Lower Upper

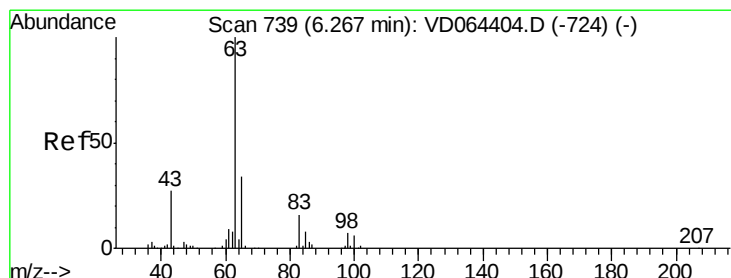
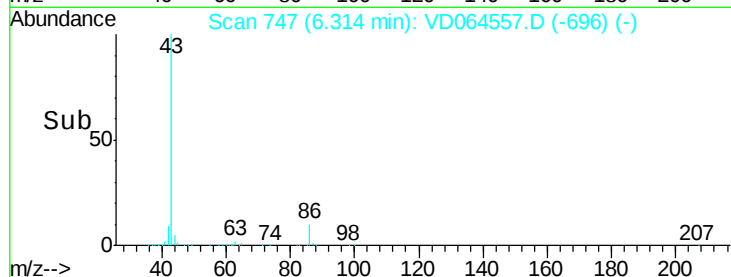
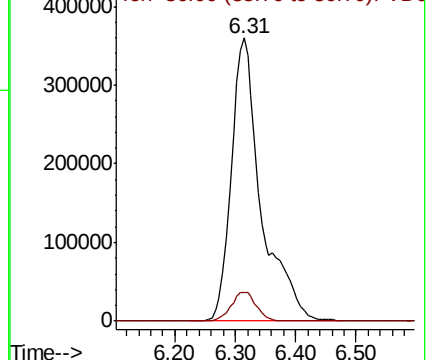
43 100

86 10.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.423 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

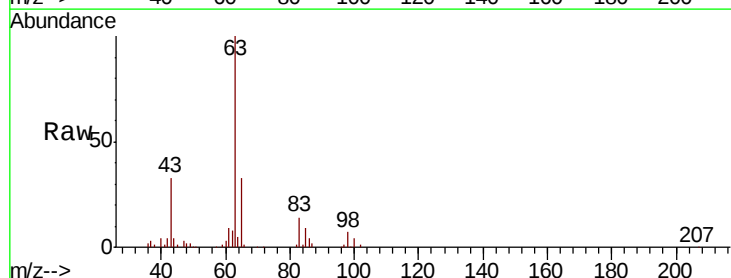
Tgt Ion: 63 Resp: 271629

Ion Ratio Lower Upper

63 100

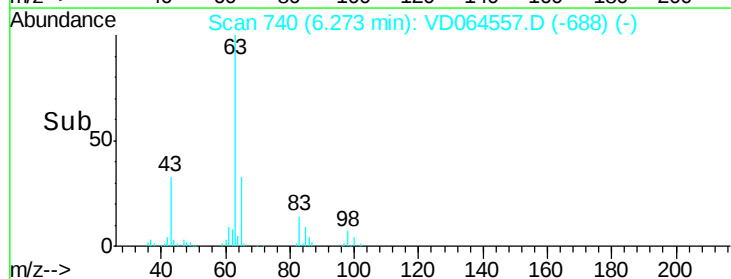
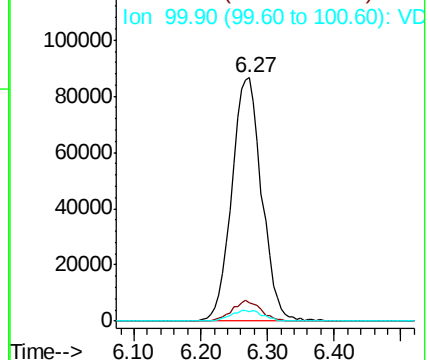
98 7.3 3.6 10.9

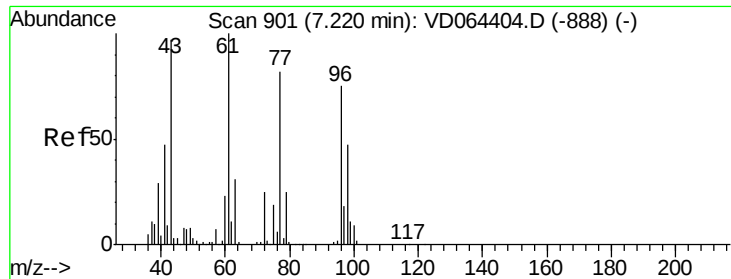
100 4.0 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#25

2-Butanone

Concen: 215.028 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

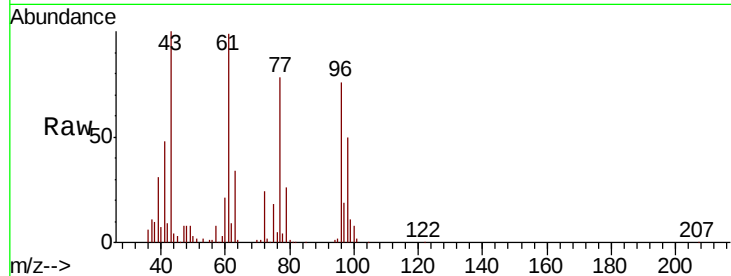
VSTDCCC050EC

Tgt Ion: 43 Resp: 190772

Ion Ratio Lower Upper

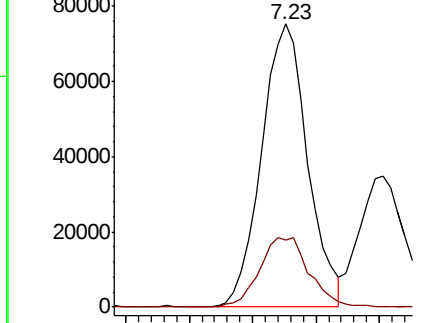
43 100

72 23.9 21.0 31.4

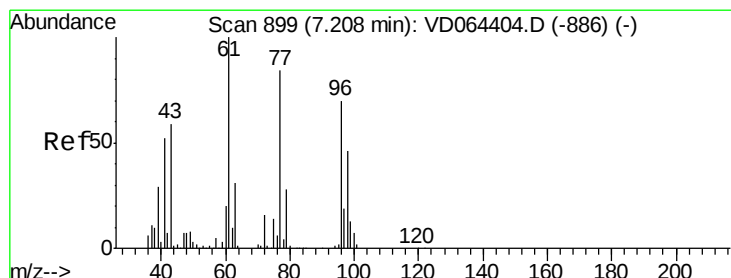
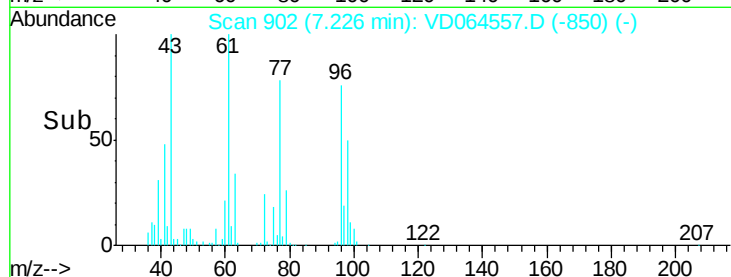


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 45.192 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064557.D

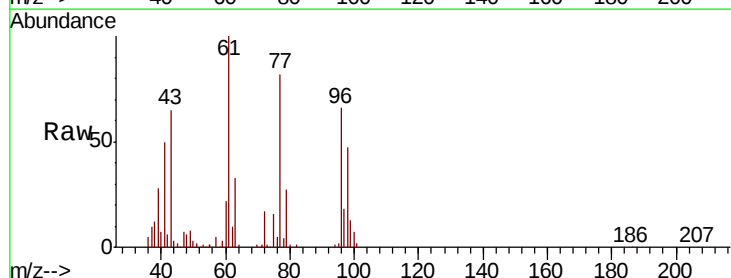
Acq: 17 Dec 2019 20:54

Tgt Ion: 77 Resp: 225112

Ion Ratio Lower Upper

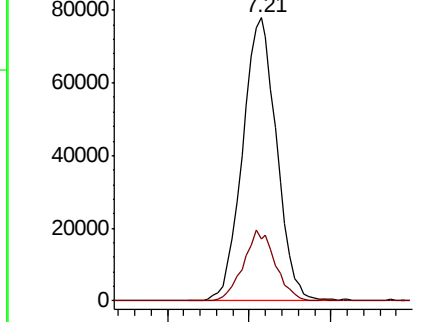
77 100

97 23.3 11.6 34.7

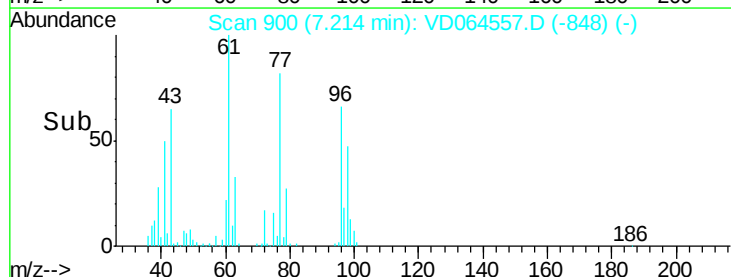


Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.289 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

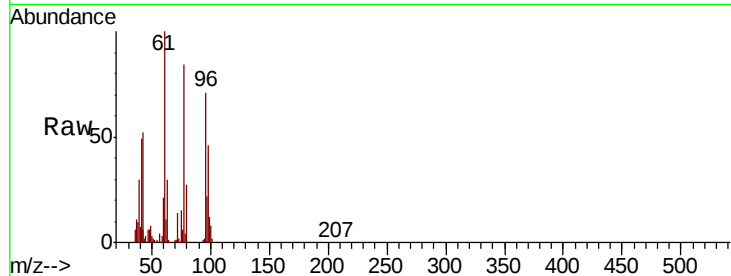
Tgt Ion: 96 Resp: 176470

Ion Ratio Lower Upper

96 100

61 139.7 0.0 279.6

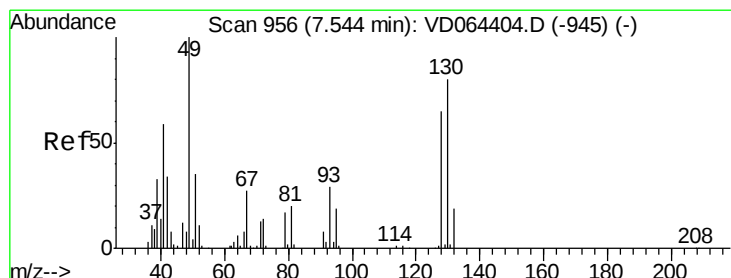
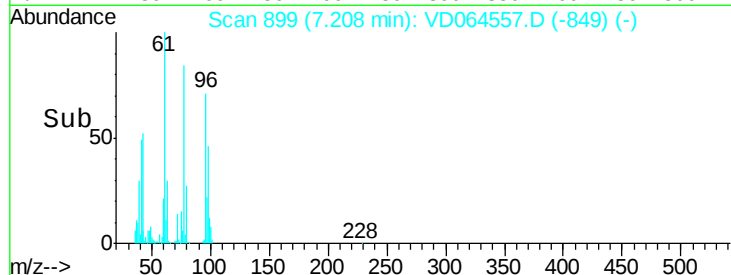
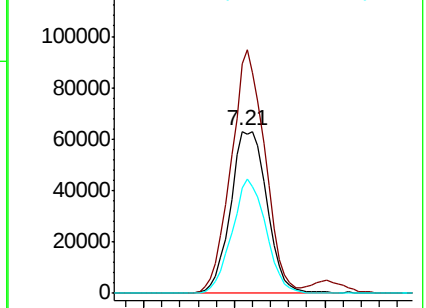
98 65.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 57.015 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

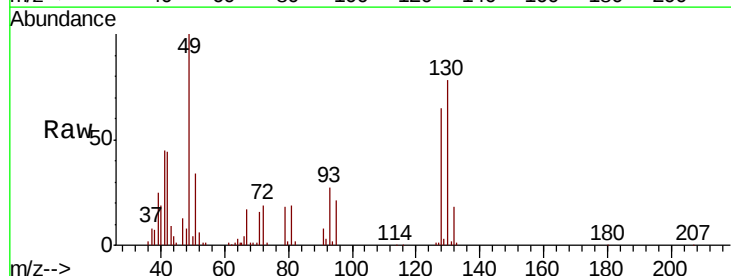
Tgt Ion: 49 Resp: 111606

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.4

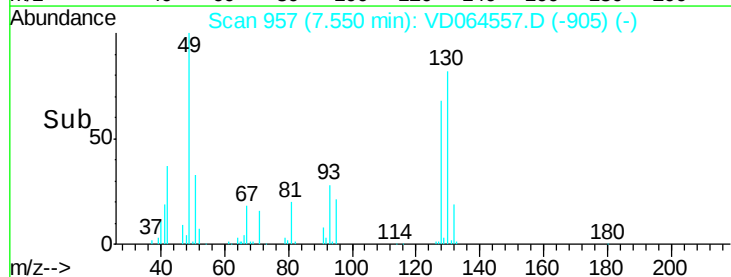
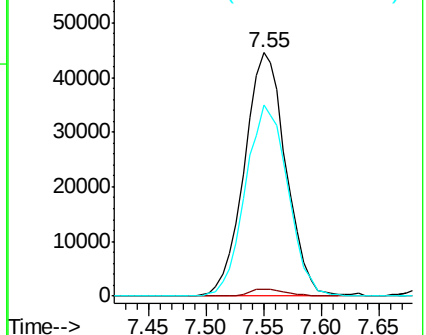
130 80.3 67.4 101.0

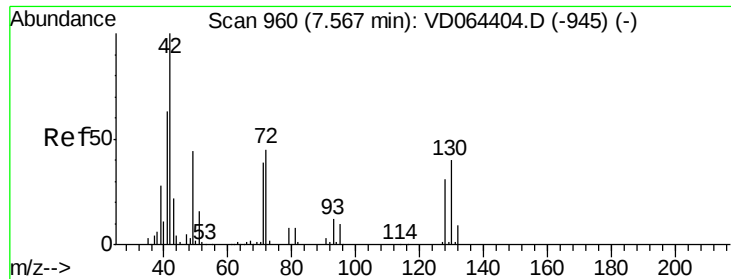


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

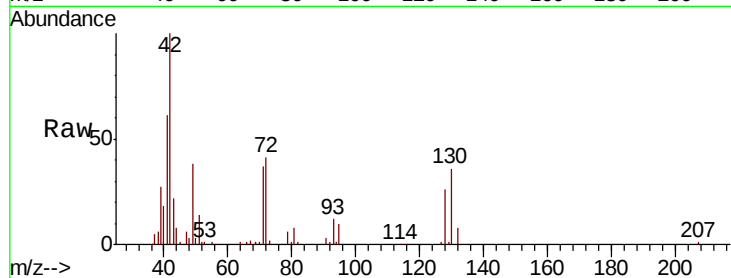




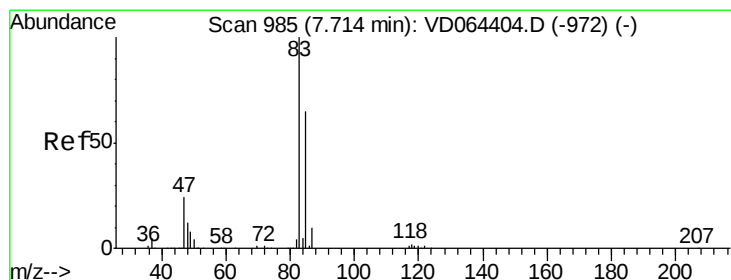
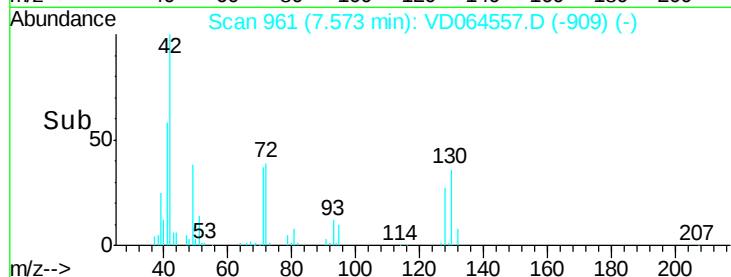
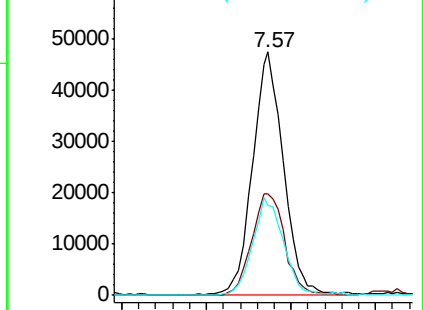
#29
Tetrahydrofuran
Concen: 215.301 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 121528
Ion Ratio Lower Upper
42 100
72 44.4 35.8 53.8
71 39.7 32.7 49.1

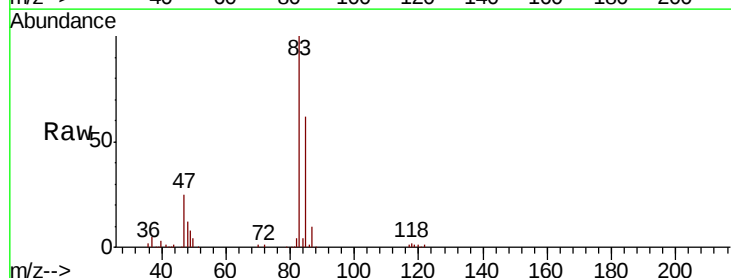


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

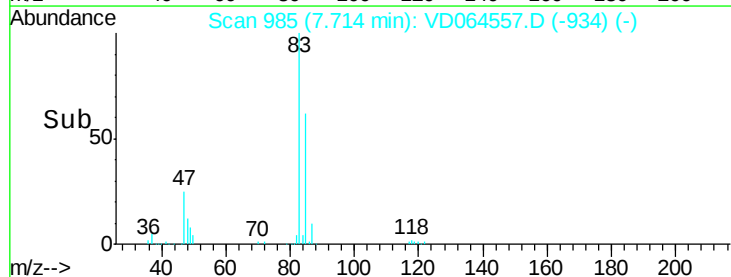
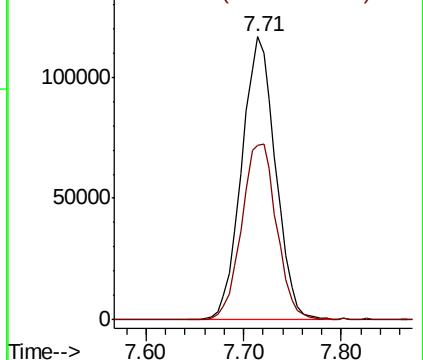


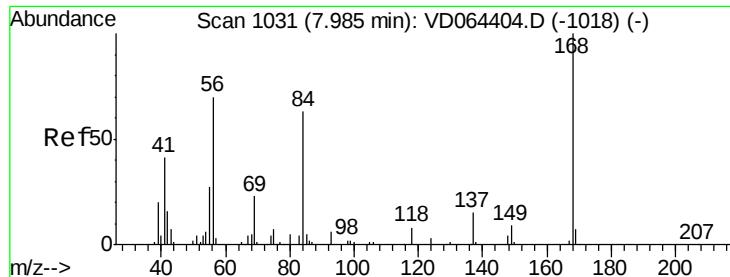
#30
Chloroform
Concen: 47.793 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 83 Resp: 283509
Ion Ratio Lower Upper
83 100
85 61.8 51.8 77.6



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

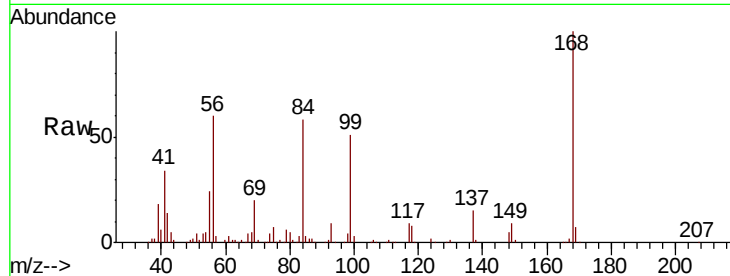




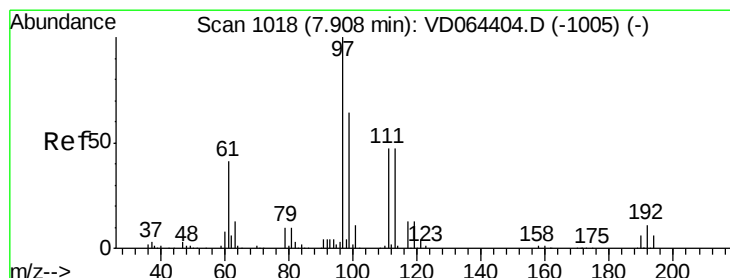
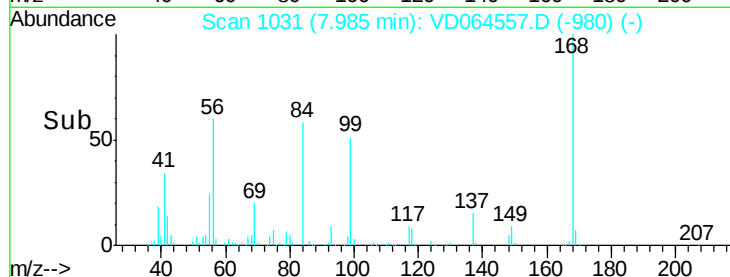
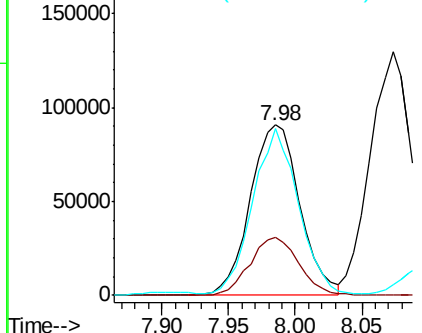
#31
Cyclohexane
Concen: 46.439 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 233863
Ion Ratio Lower Upper
56 100
69 34.2 26.2 39.4
84 95.6 70.3 105.5

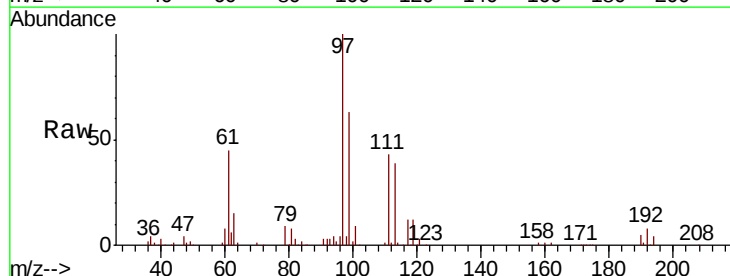


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

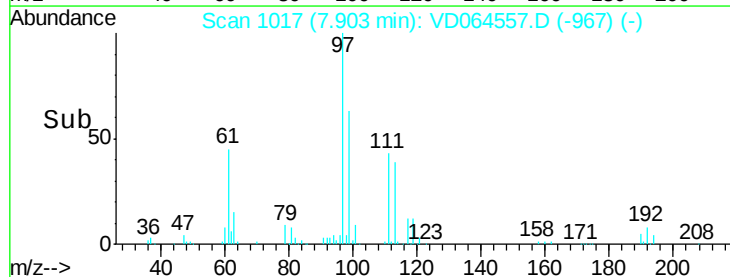
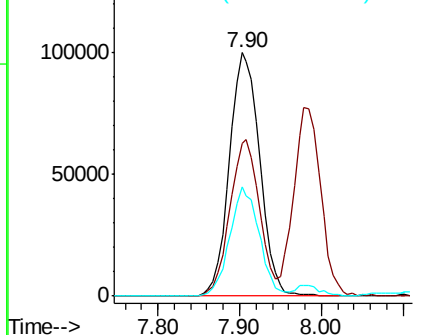


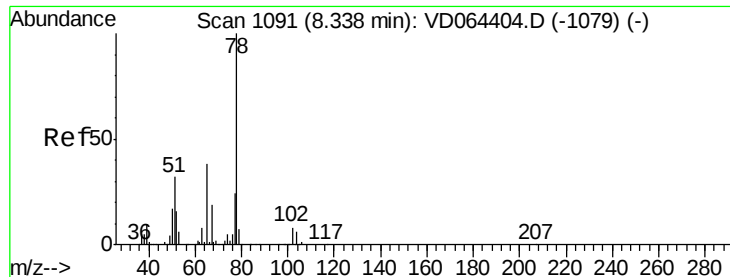
#32
1,1,1-Trichloroethane
Concen: 46.949 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 97 Resp: 258204
Ion Ratio Lower Upper
97 100
99 62.5 51.4 77.2
61 43.4 35.0 52.4



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





#33

1,2-Dichloroethane-d4

Concen: 55.065 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

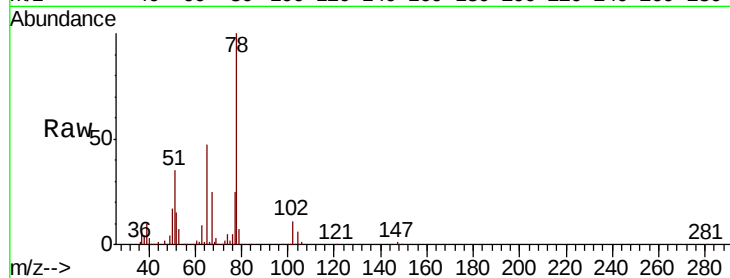
VSTDCCC050EC

Tgt Ion: 65 Resp: 170945

Ion Ratio Lower Upper

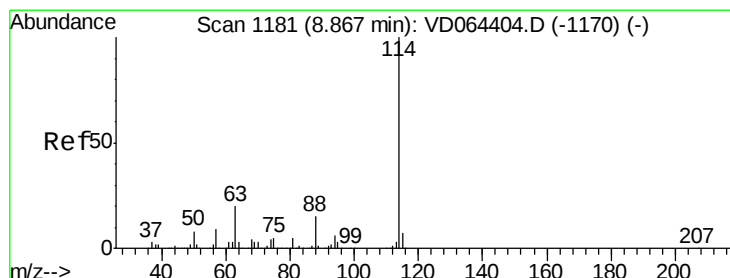
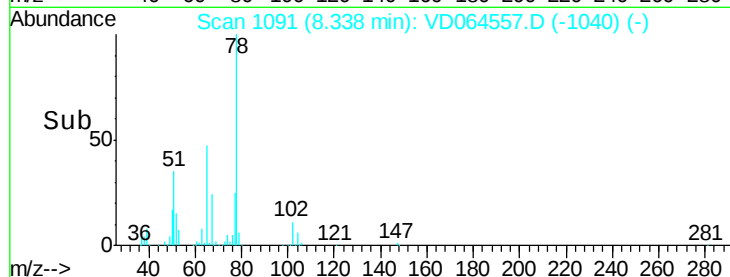
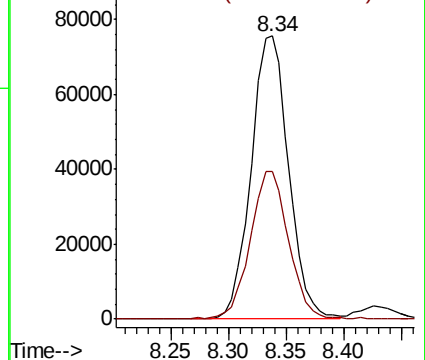
65 100

67 53.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

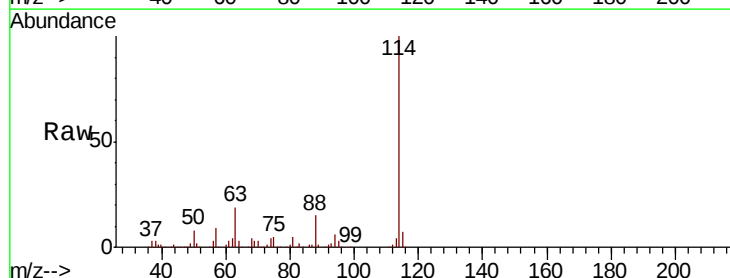
Tgt Ion: 114 Resp: 512142

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

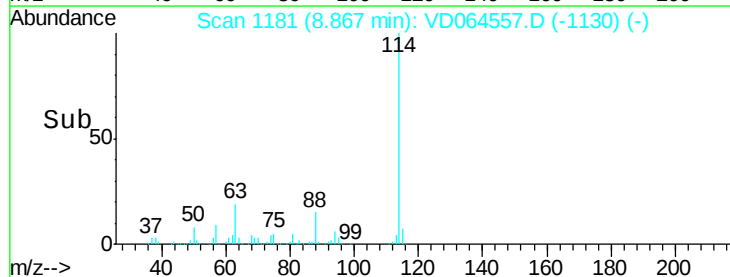
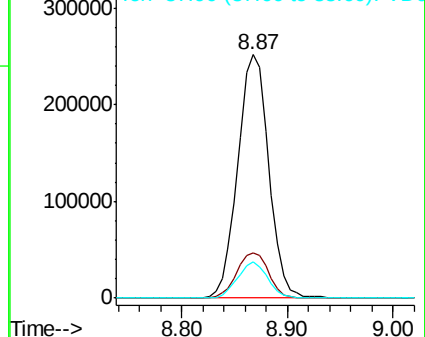
88 14.7 0.0 29.2

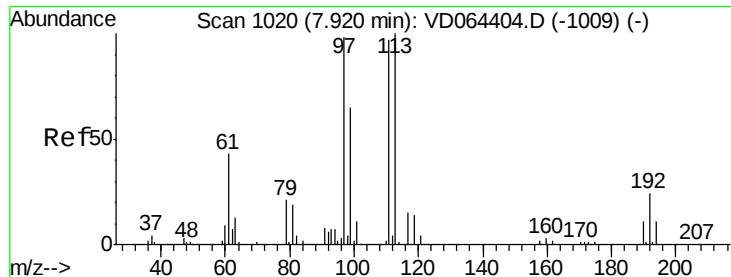


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

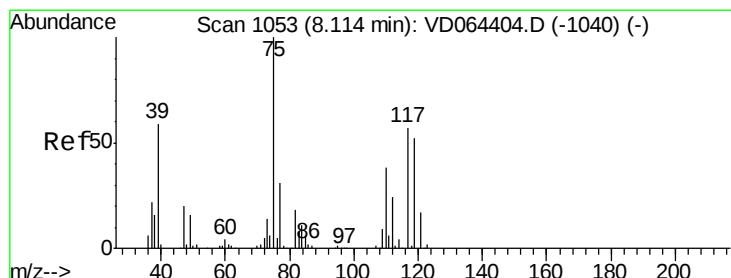
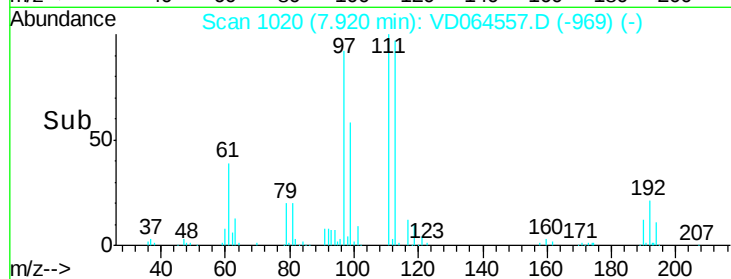
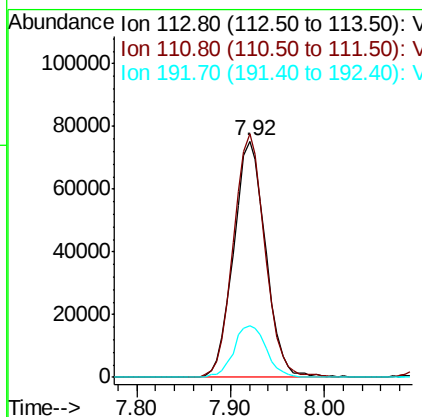
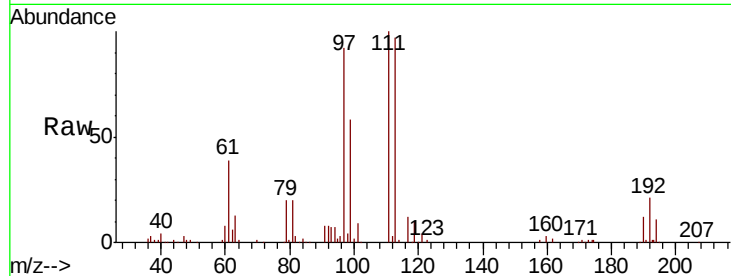




#35
 Dibromofluoromethane
 Concen: 55.191 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

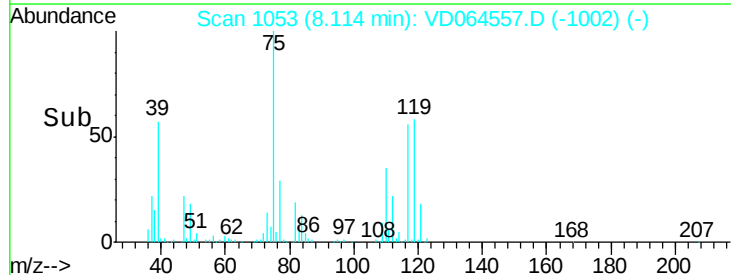
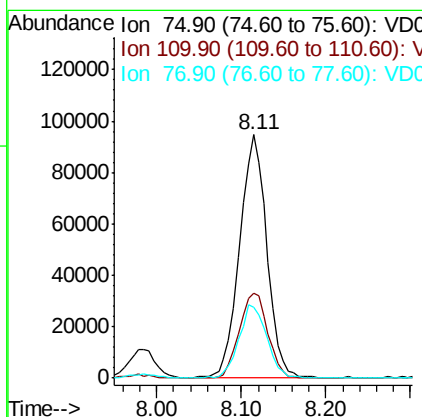
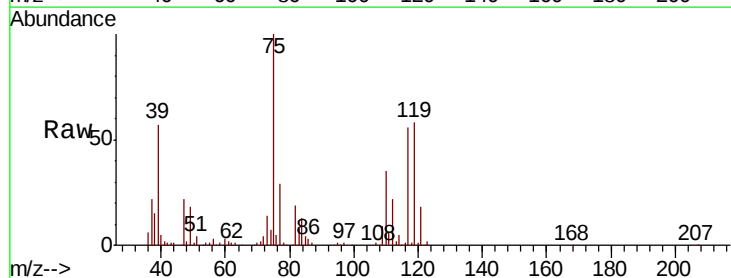
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

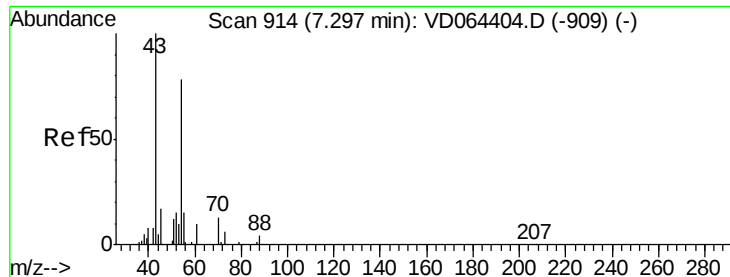
Tgt Ion: 113 Resp: 178088
 Ion Ratio Lower Upper
 113 100
 111 101.7 79.4 119.2
 192 22.3 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 43.850 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 75 Resp: 212416
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.6 55.8
 77 30.8 25.0 37.4

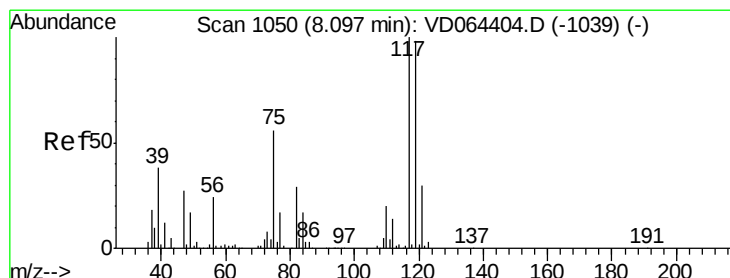
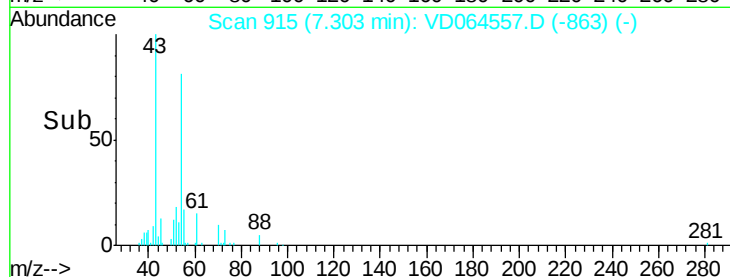
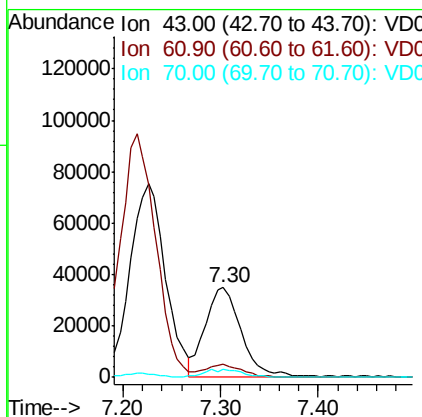
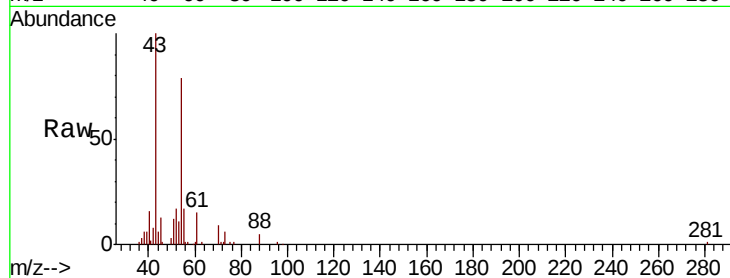




#37
Ethyl Acetate
Concen: 43.507 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

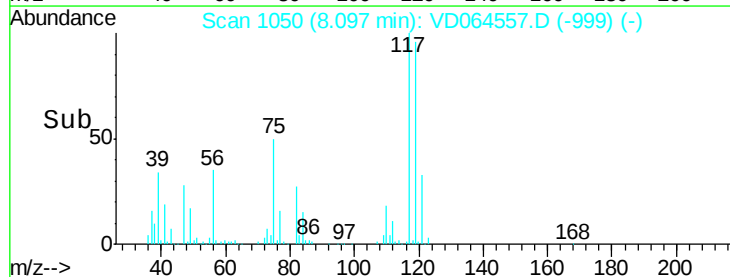
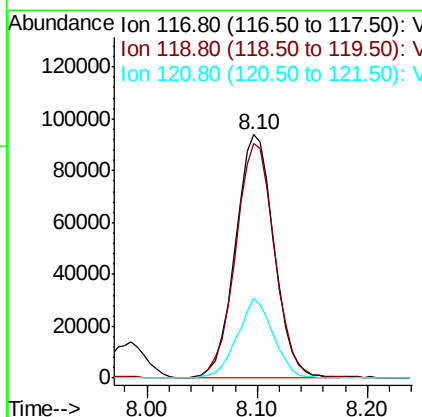
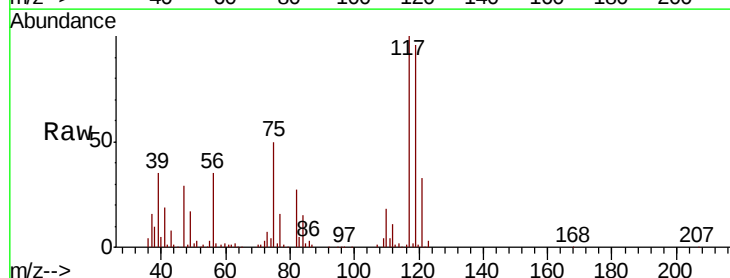
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

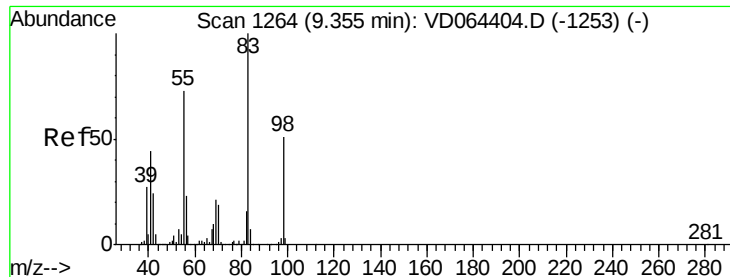
Tgt Ion: 43 Resp: 89427
Ion Ratio Lower Upper
43 100
61 14.4 10.9 16.3
70 9.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 45.154 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 117 Resp: 230856
Ion Ratio Lower Upper
117 100
119 96.0 78.8 118.2
121 32.9 24.2 36.2

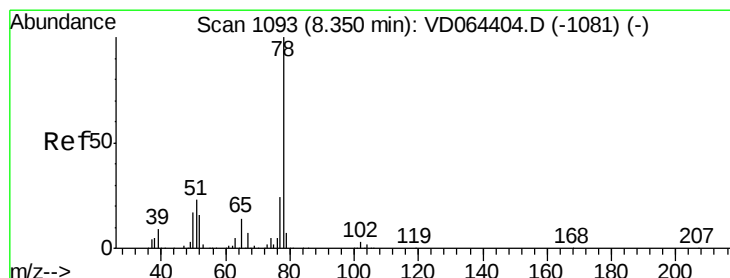
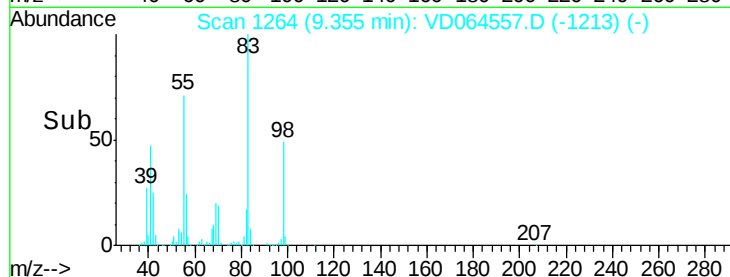
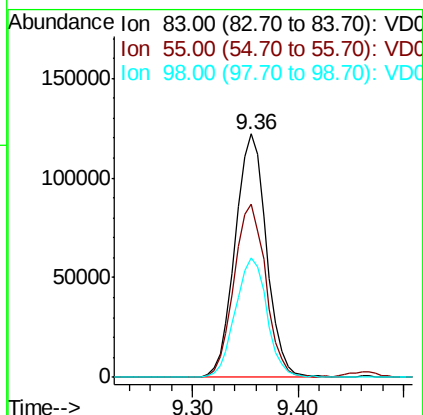
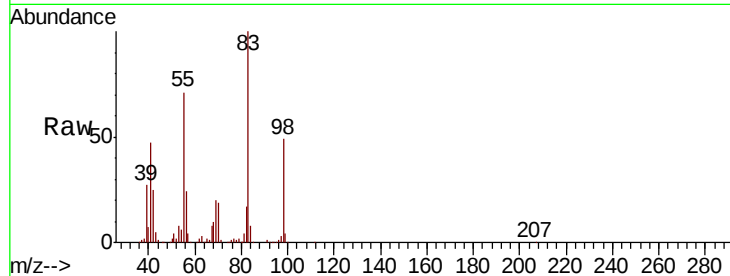




#39
Methylcyclohexane
Concen: 41.763 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

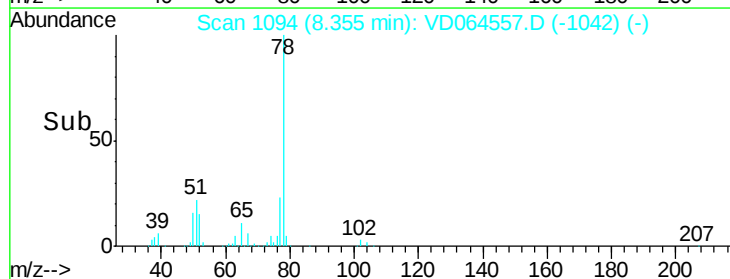
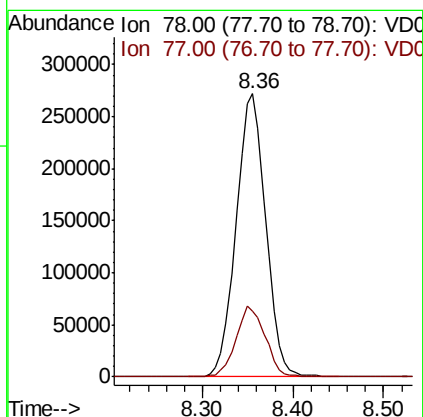
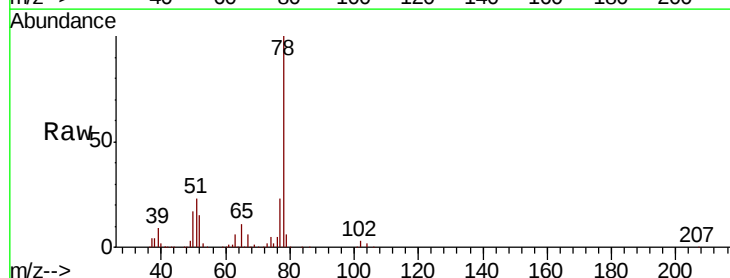
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

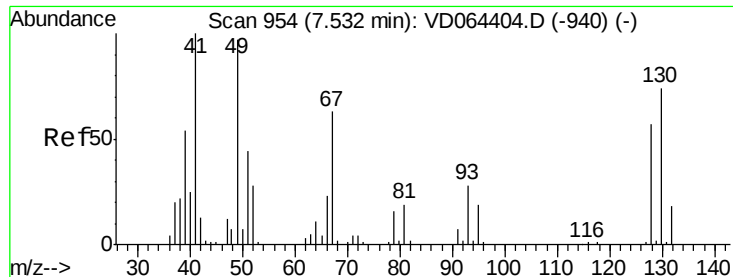
Tgt Ion: 83 Resp: 250951
Ion Ratio Lower Upper
83 100
55 70.9 58.6 87.8
98 49.3 40.9 61.3



#40
Benzene
Concen: 45.796 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 78 Resp: 616153
Ion Ratio Lower Upper
78 100
77 23.3 19.6 29.4

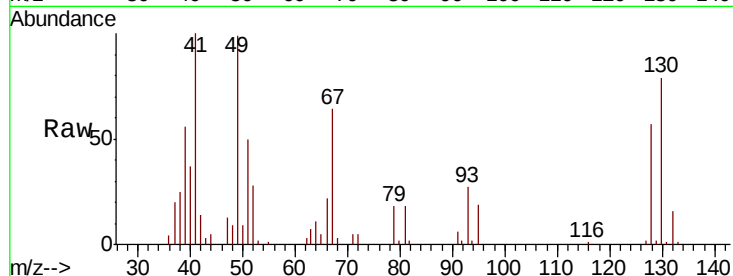




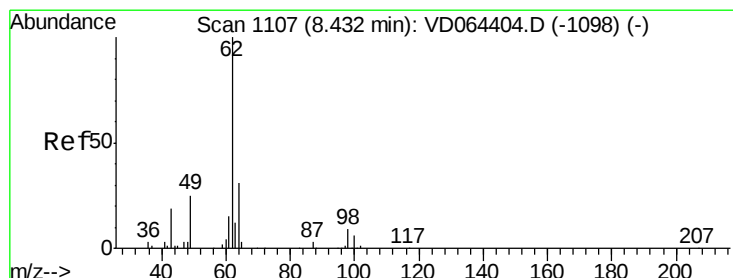
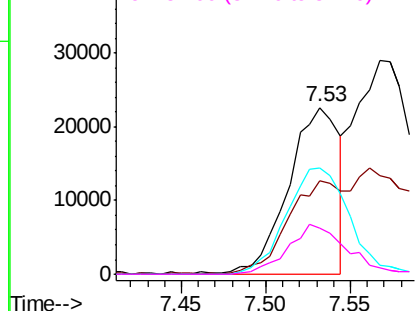
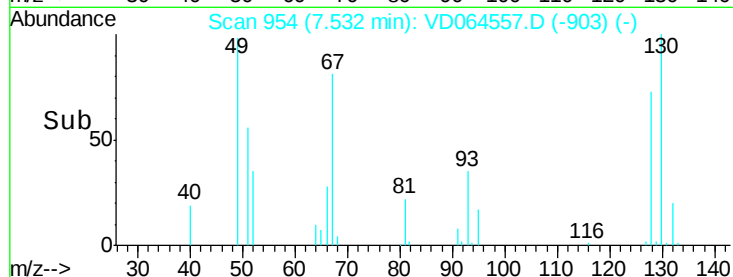
#41
Methacrylonitrile
Concen: 40.049 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 47209
Ion Ratio Lower Upper
41 100
39 65.9 44.6 67.0
67 79.1 50.9 76.3#
52 34.3 22.5 33.7#

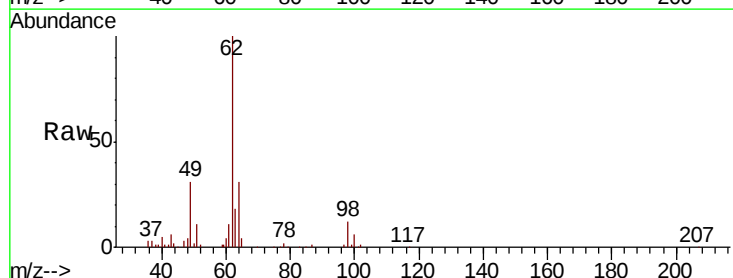


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

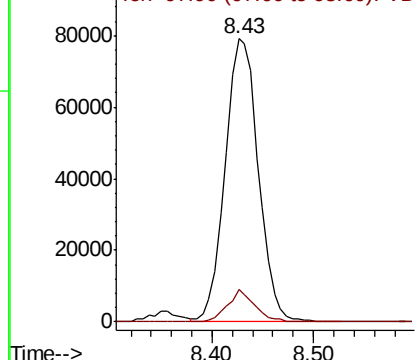
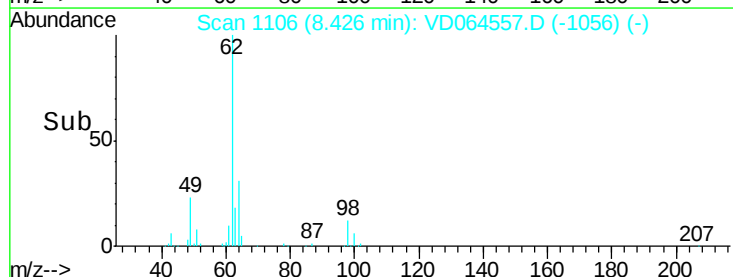


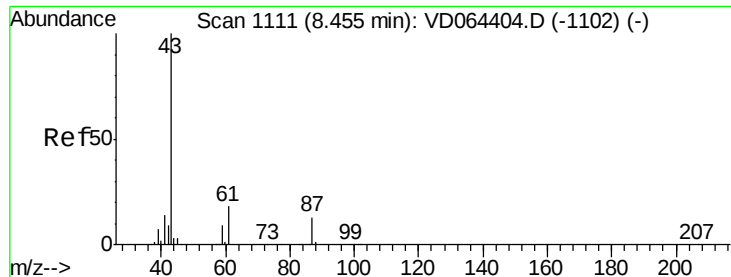
#42
1,2-Dichloroethane
Concen: 45.773 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 62 Resp: 179597
Ion Ratio Lower Upper
62 100
98 9.5 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 43.174 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

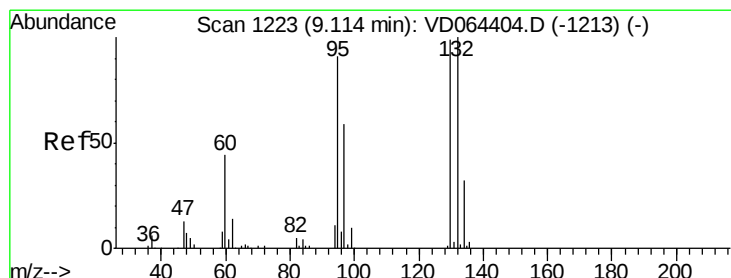
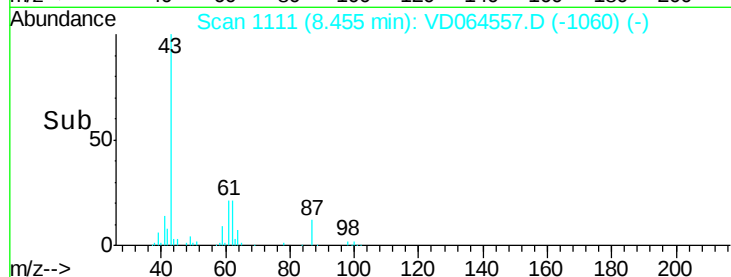
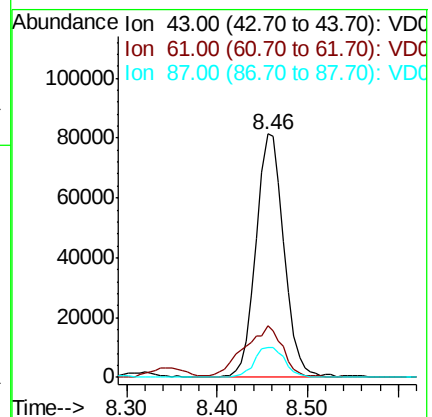
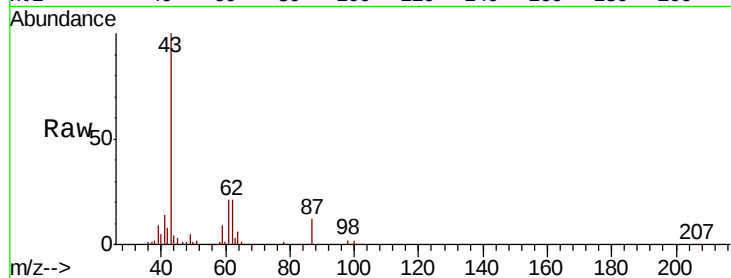
Tgt Ion: 43 Resp: 174484

Ion Ratio Lower Upper

43 100

61 29.3 24.0 36.0

87 13.5 10.6 15.8



#44

Trichloroethene

Concen: 43.661 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064557.D

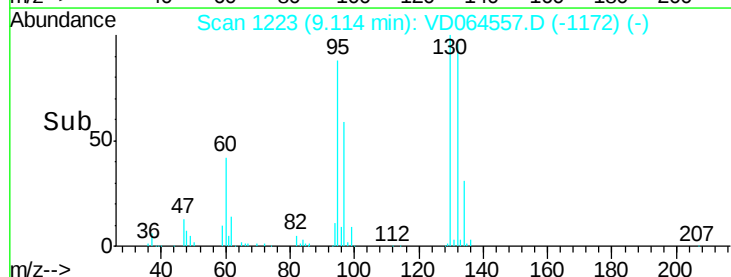
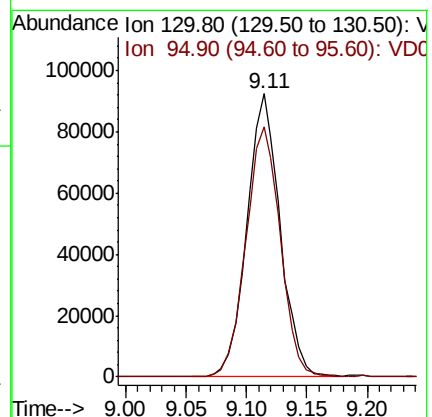
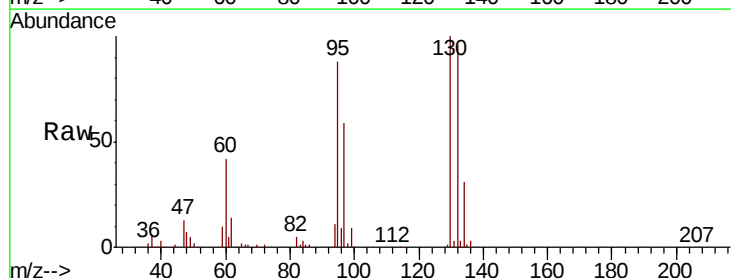
Acq: 17 Dec 2019 20:54

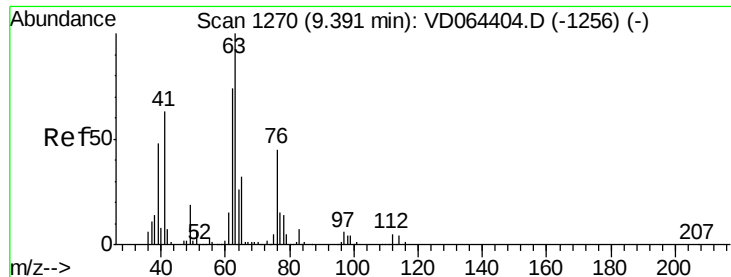
Tgt Ion: 130 Resp: 176949

Ion Ratio Lower Upper

130 100

95 88.4 0.0 184.6

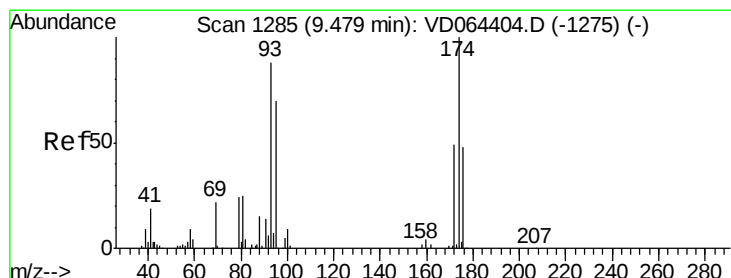
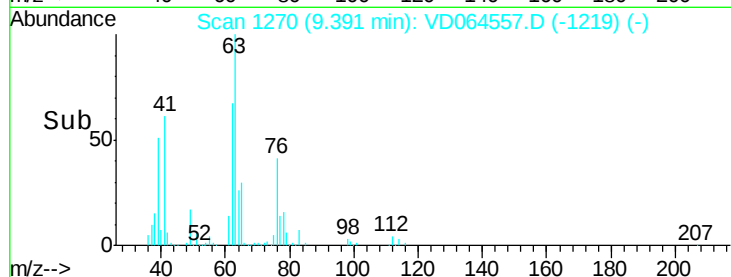
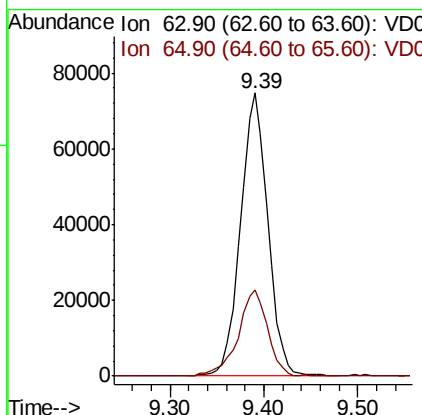
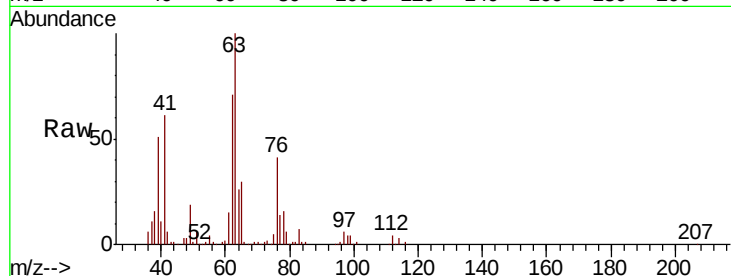




#45
 1,2-Dichloropropane
 Concen: 46.746 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

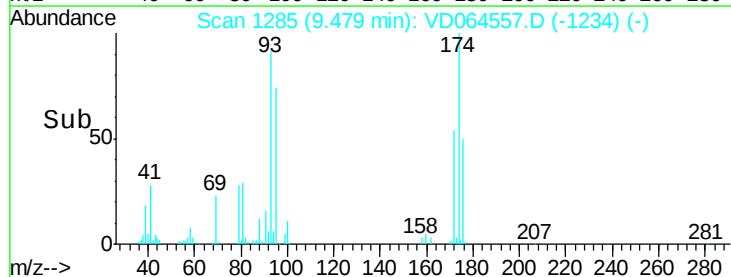
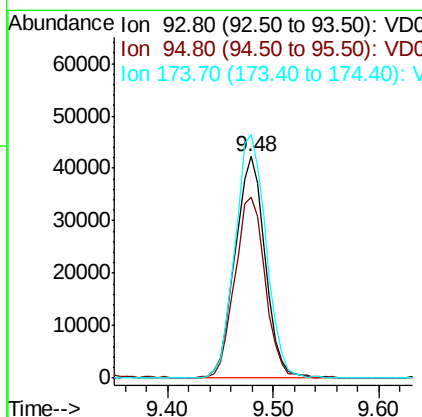
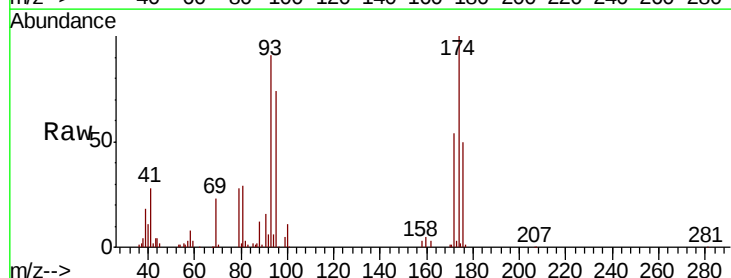
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

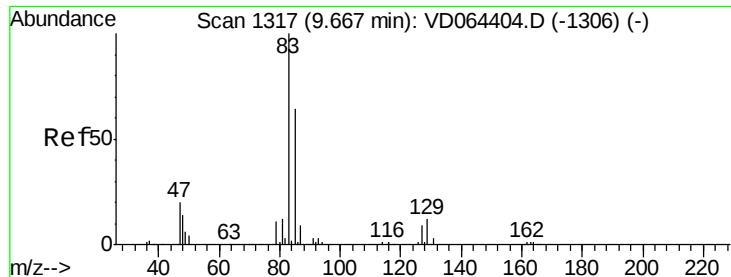
Tgt Ion: 63 Resp: 150414
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.4 38.0



#46
 Dibromomethane
 Concen: 45.817 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 93 Resp: 83206
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 113.3 92.3 138.5





#47

Bromodichloromethane

Concen: 47.848 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

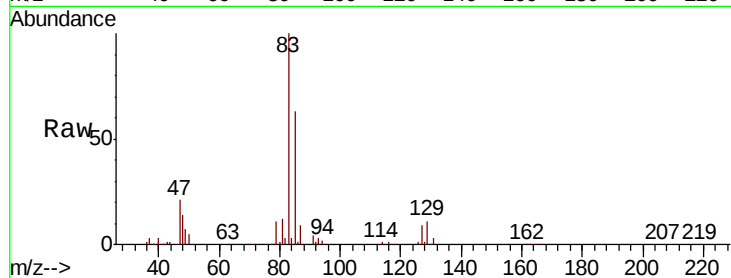
Tgt Ion: 83 Resp: 223274

Ion Ratio Lower Upper

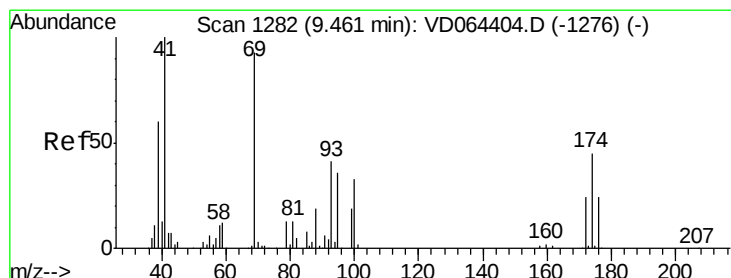
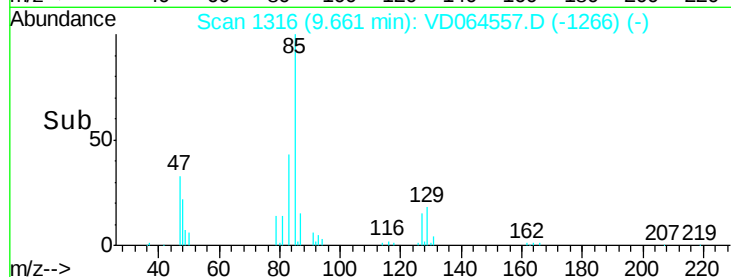
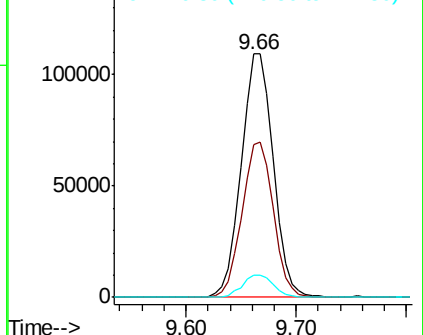
83 100

85 62.5 51.1 76.7

127 9.2 7.4 11.0



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



#48

Methyl methacrylate

Concen: 44.090 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

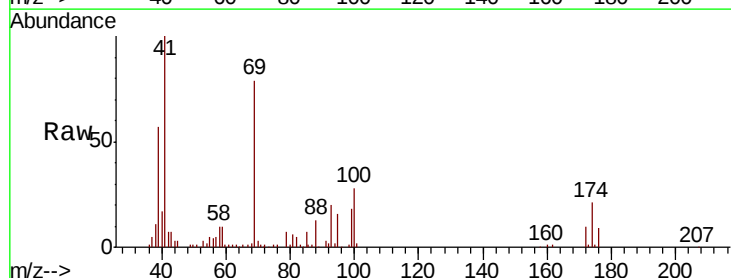
Tgt Ion: 41 Resp: 81537

Ion Ratio Lower Upper

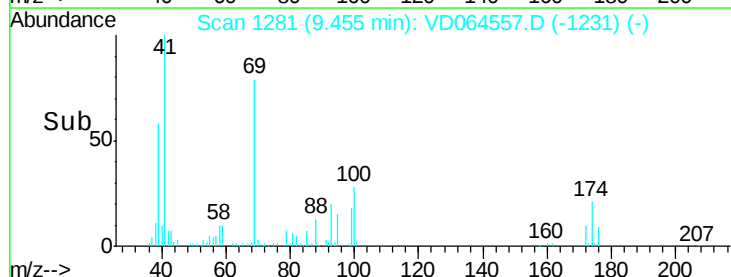
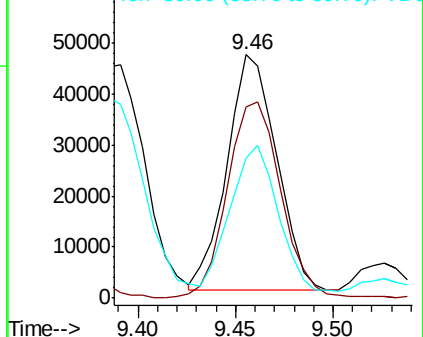
41 100

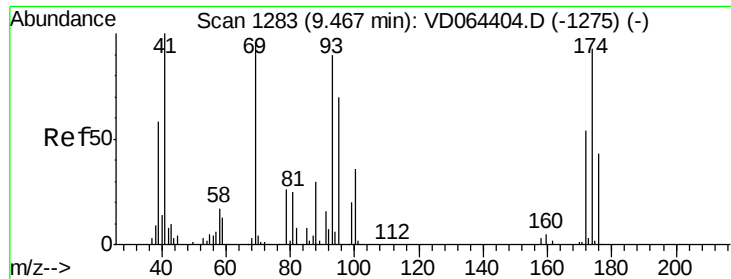
69 90.2 72.0 108.0

39 66.2 55.2 82.8



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

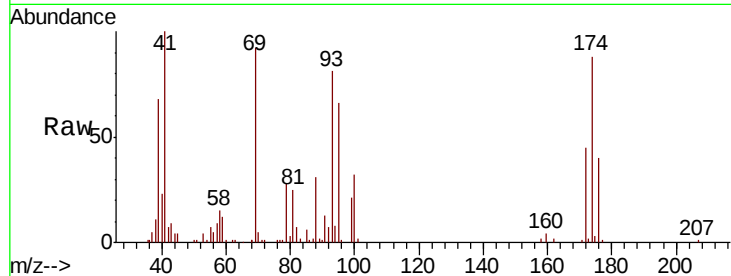




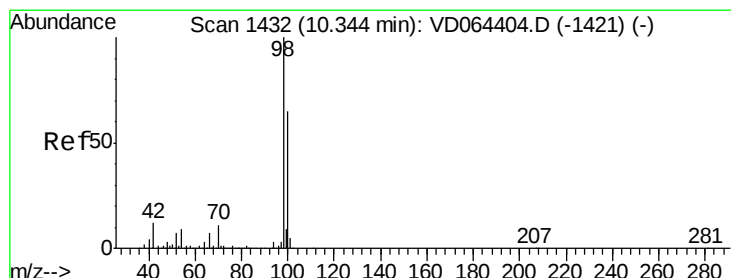
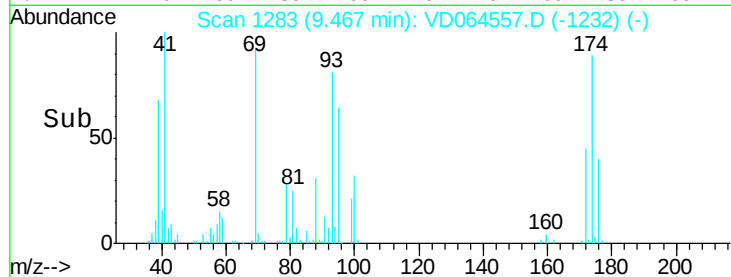
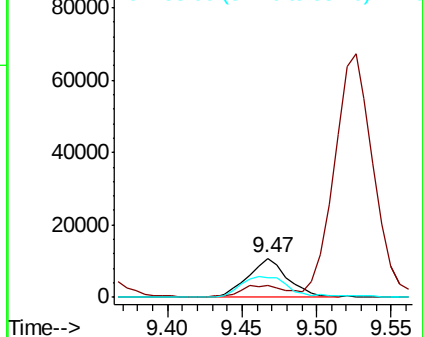
#49
1,4-Dioxane
Concen: 880.062 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 19736
Ion Ratio Lower Upper
88 100
43 34.7 26.7 40.1
58 65.6 52.3 78.5

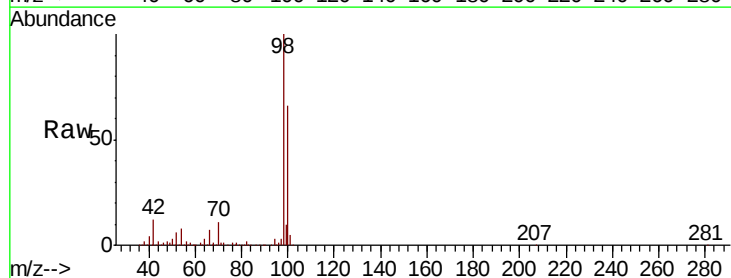


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

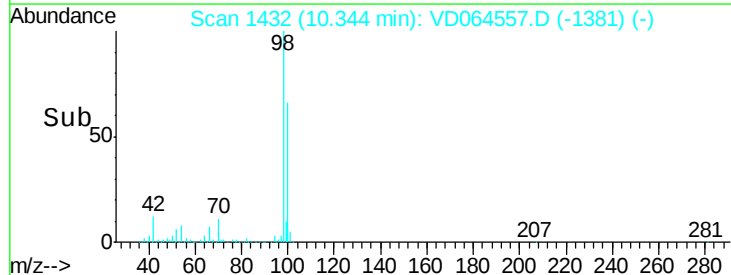
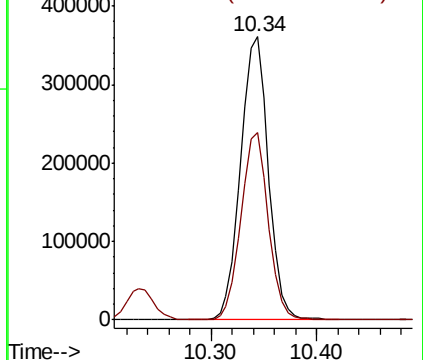


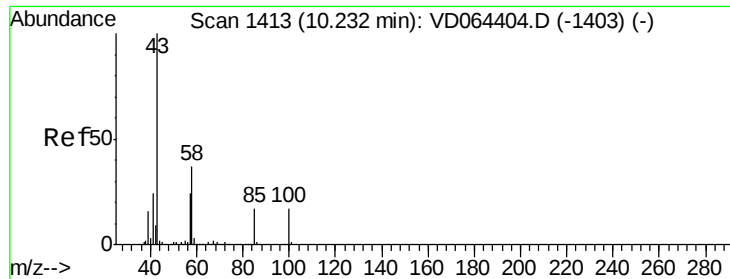
#50
Toluene-d8
Concen: 54.144 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 98 Resp: 658114
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0



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

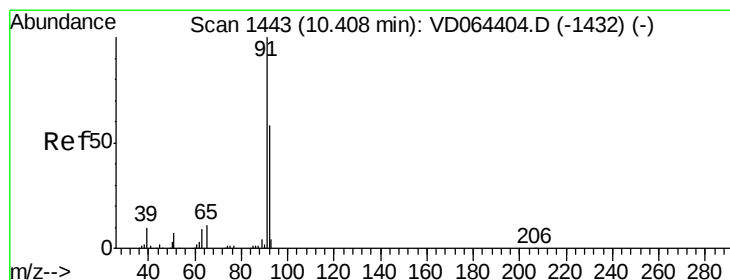
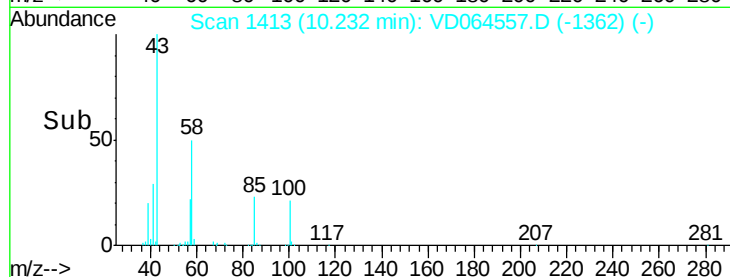
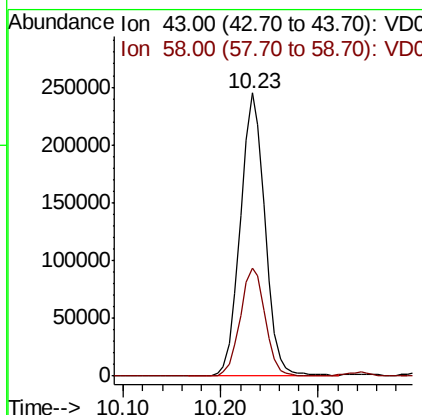
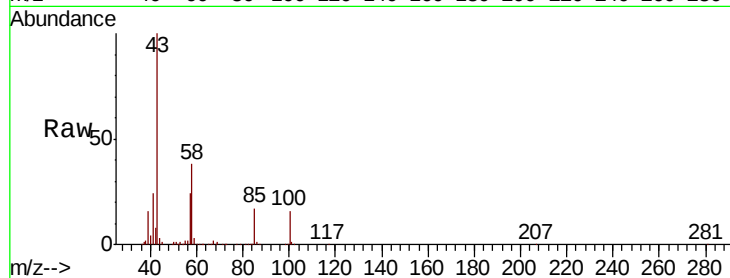




#51
 4-Methyl-2-Pentanone
 Concen: 215.423 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

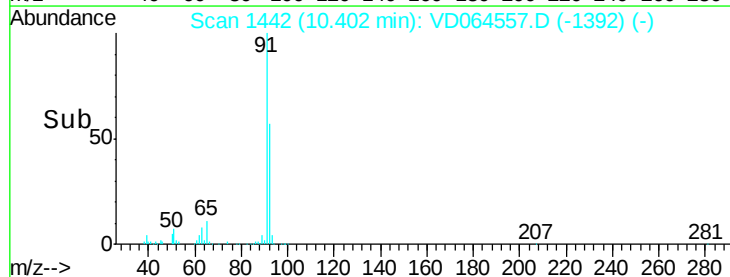
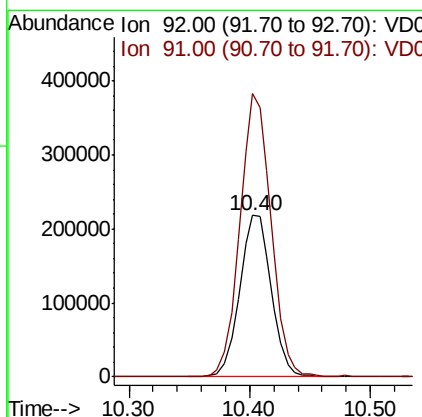
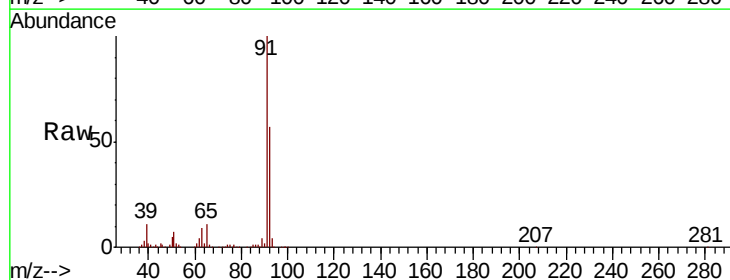
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 430776
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.6 46.0



#52
 Toluene
 Concen: 45.388 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 92 Resp: 397976
 Ion Ratio Lower Upper
 92 100
 91 172.9 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 45.432 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

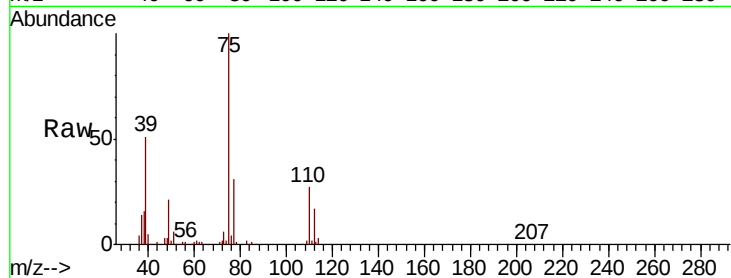
VSTDCCC050EC

Tgt Ion: 75 Resp: 202043

Ion Ratio Lower Upper

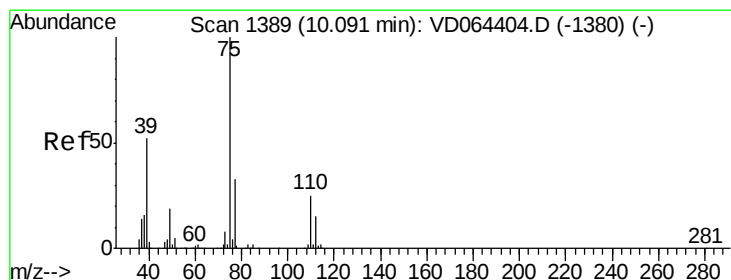
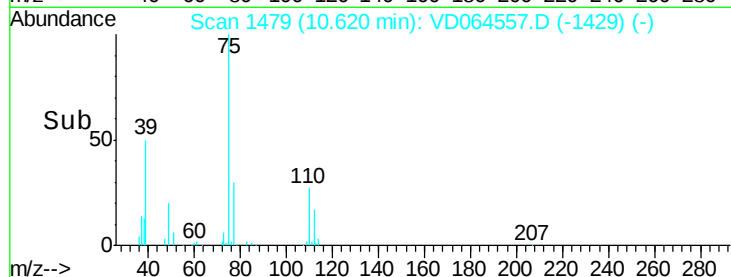
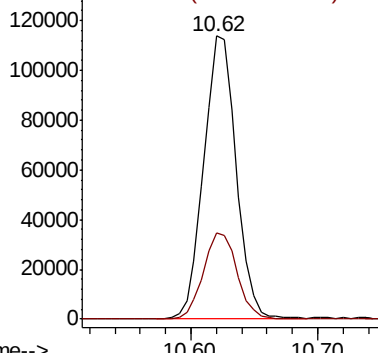
75 100

77 30.6 25.0 37.4



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: 45.565 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

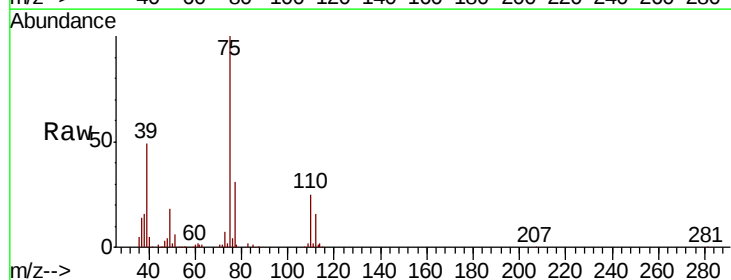
Tgt Ion: 75 Resp: 240727

Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

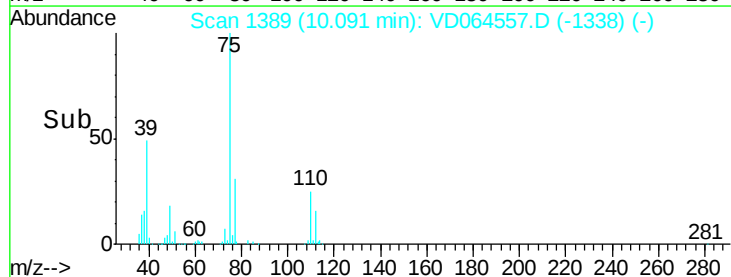
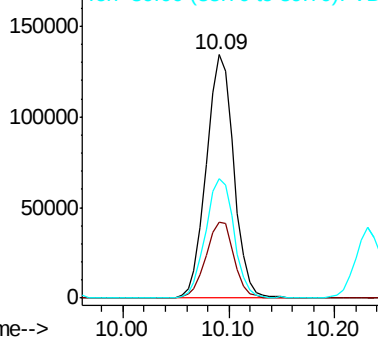
39 48.9 41.5 62.3

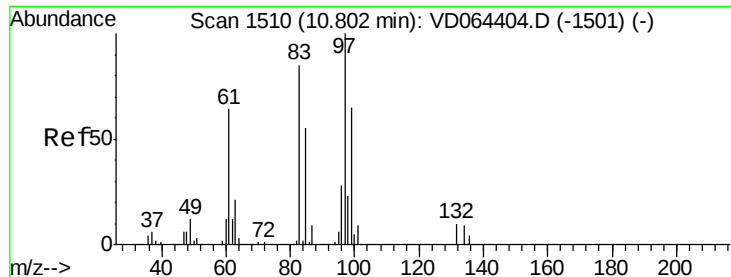


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 44.096 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 109654

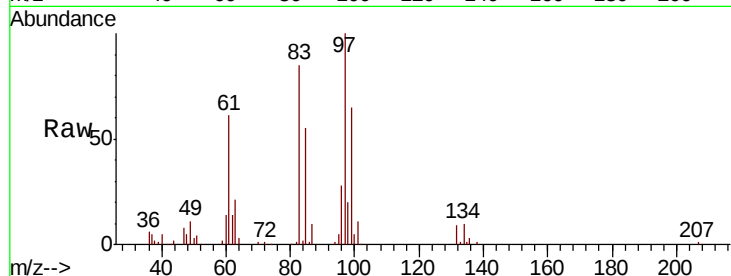
Ion Ratio Lower Upper

97 100

83 84.6 67.8 101.8

85 54.9 43.7 65.5

99 65.2 51.7 77.5

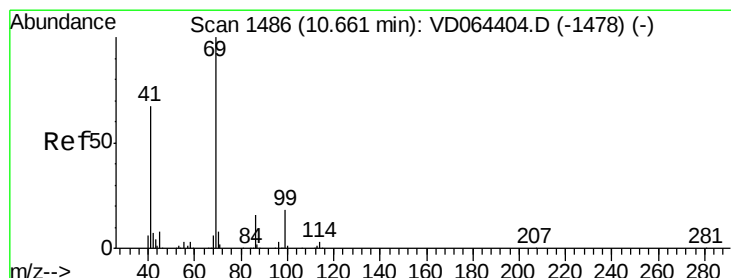
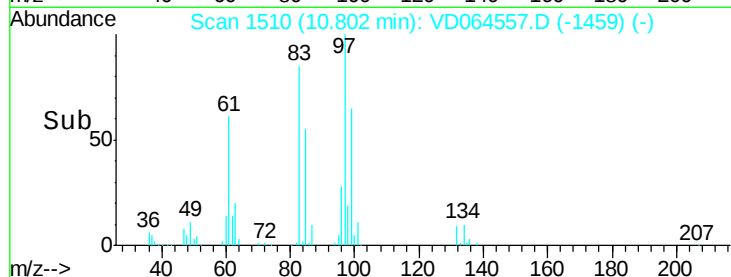
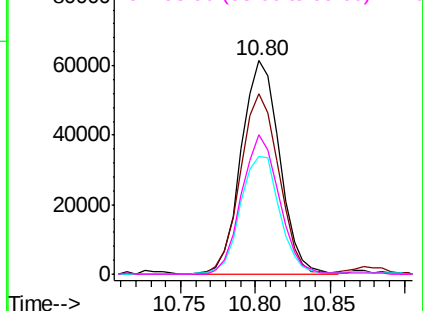


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 44.203 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

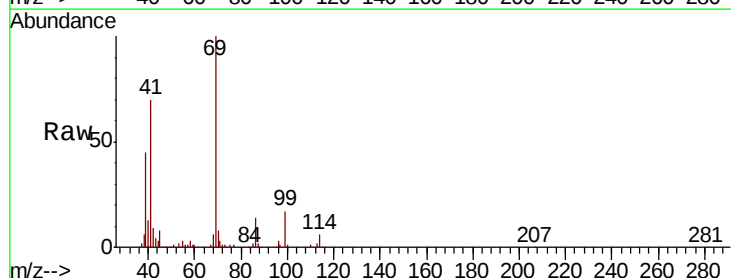
Tgt Ion: 69 Resp: 140195

Ion Ratio Lower Upper

69 100

41 68.8 55.0 82.4

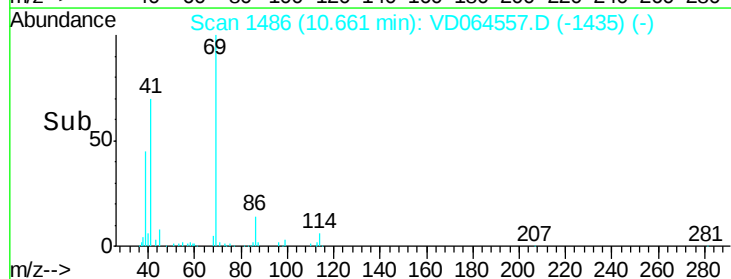
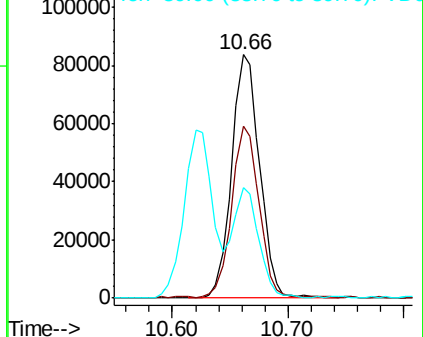
39 42.1 33.0 49.6

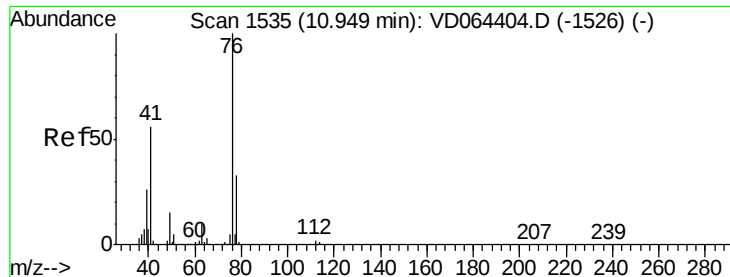


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 45.938 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

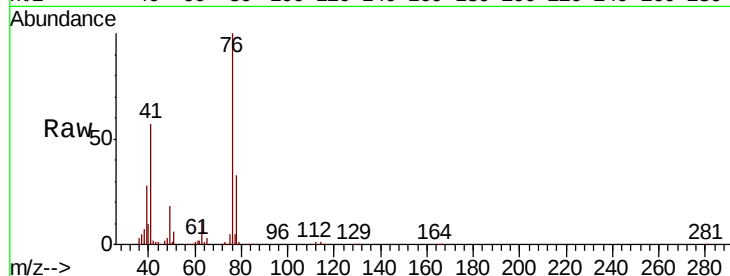
VSTDCCC050EC

Tgt Ion: 76 Resp: 194459

Ion Ratio Lower Upper

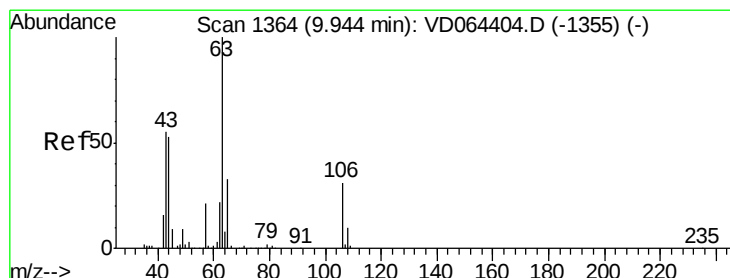
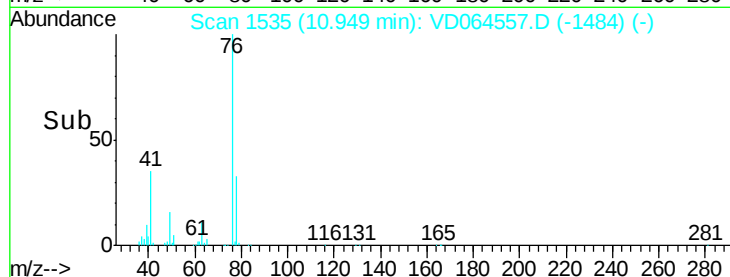
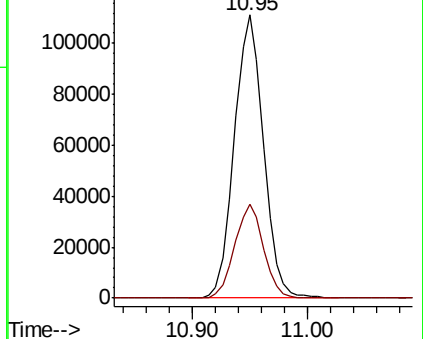
76 100

78 32.9 26.0 39.0



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: 219.826 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064557.D

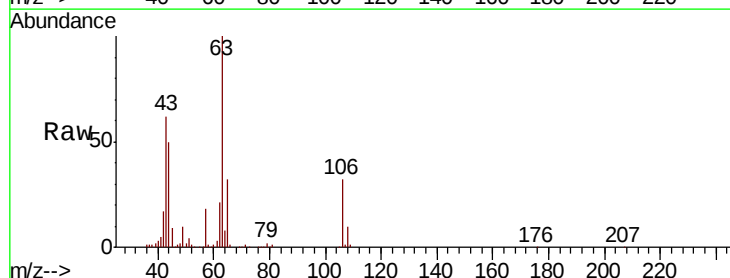
Acq: 17 Dec 2019 20:54

Tgt Ion: 63 Resp: 277935

Ion Ratio Lower Upper

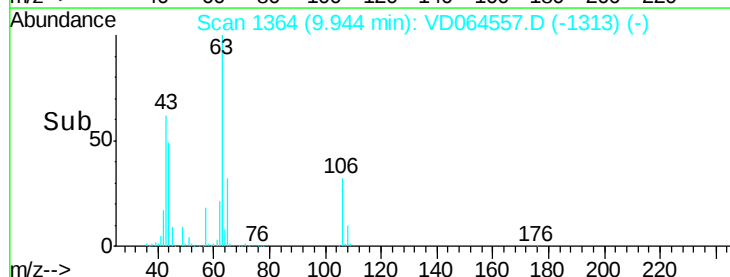
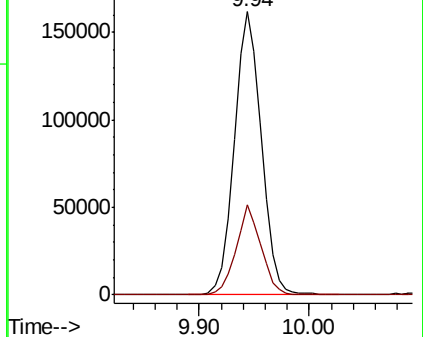
63 100

106 29.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

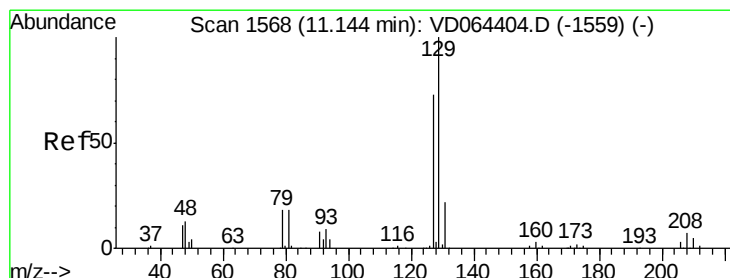
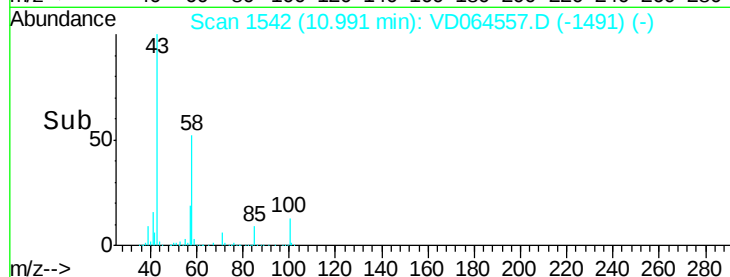
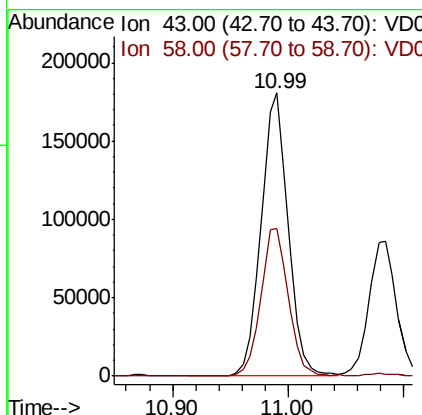
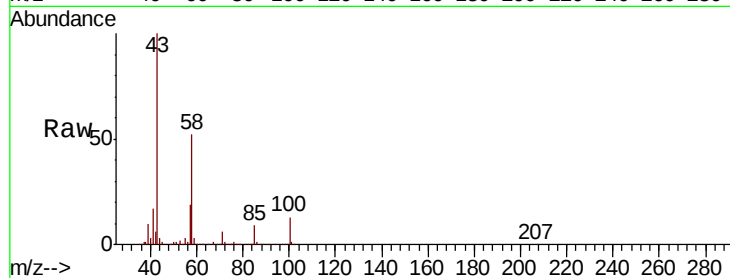




#59
2-Hexanone
Concen: 213.104 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

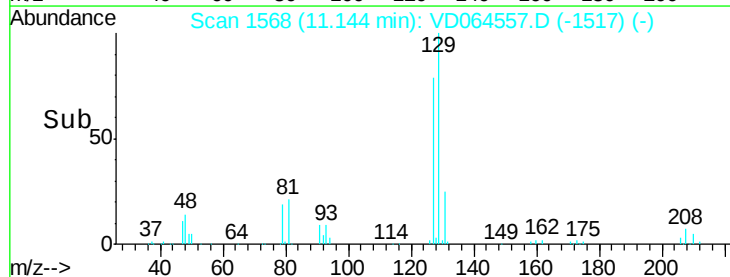
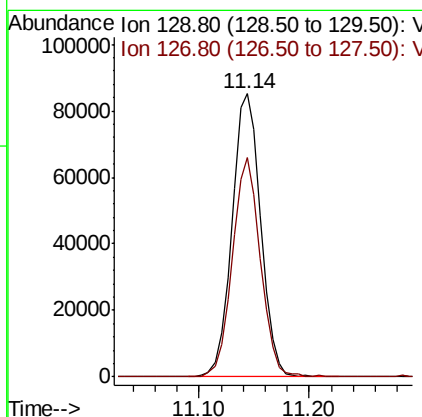
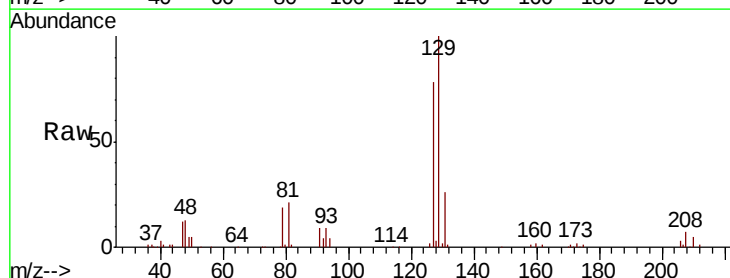
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

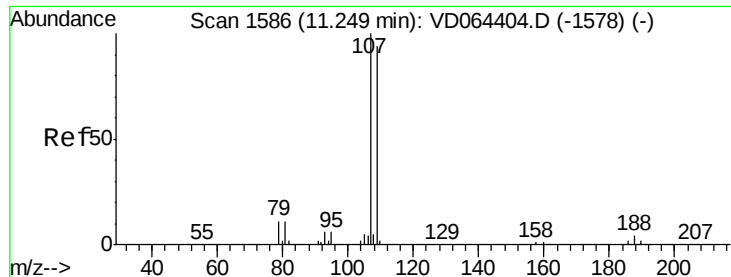
Tgt Ion: 43 Resp: 295694
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.8



#60
Dibromochloromethane
Concen: 45.930 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 129 Resp: 154857
Ion Ratio Lower Upper
129 100
127 75.7 38.1 114.3

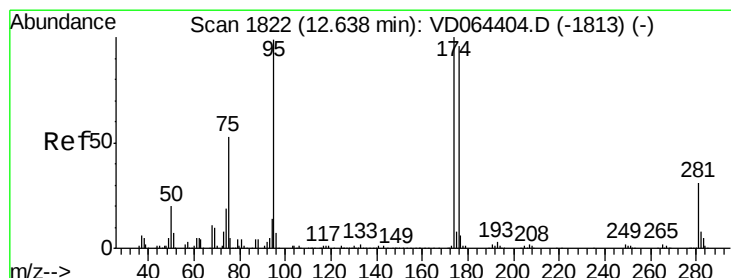
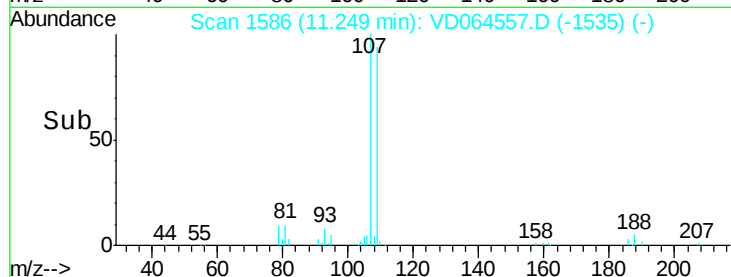
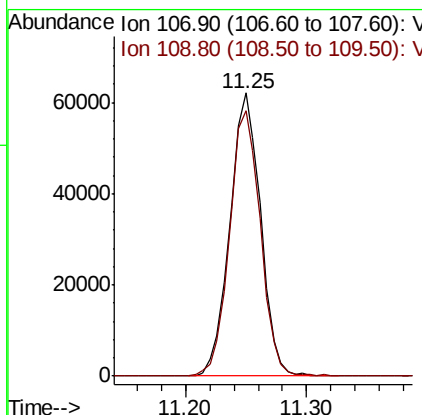
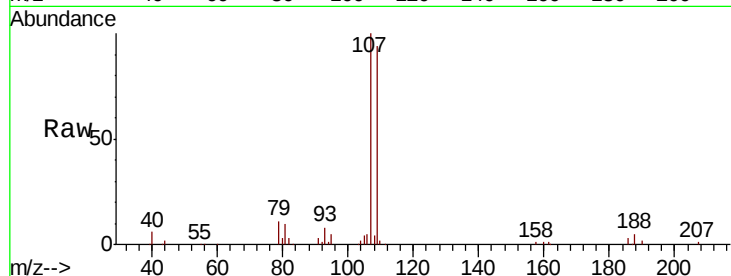




#61
 1,2-Dibromoethane
 Concen: 44.270 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

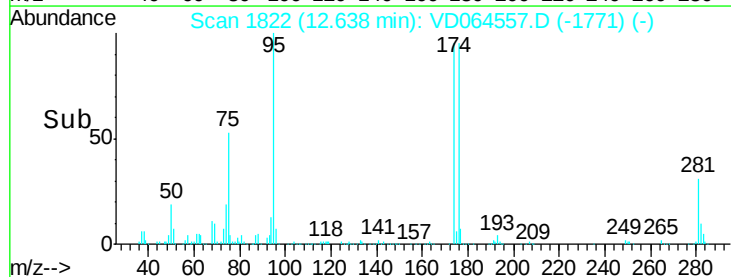
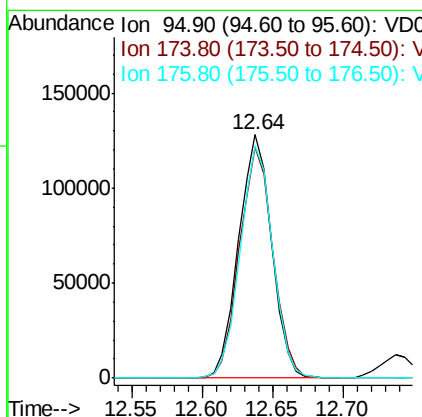
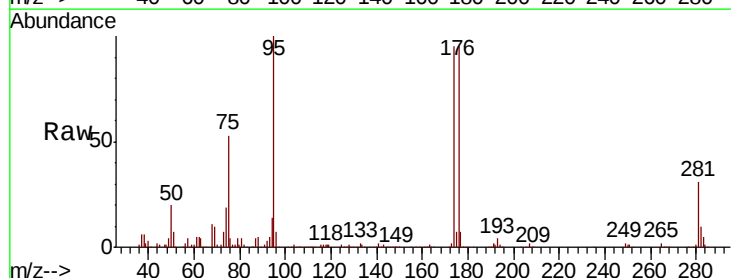
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

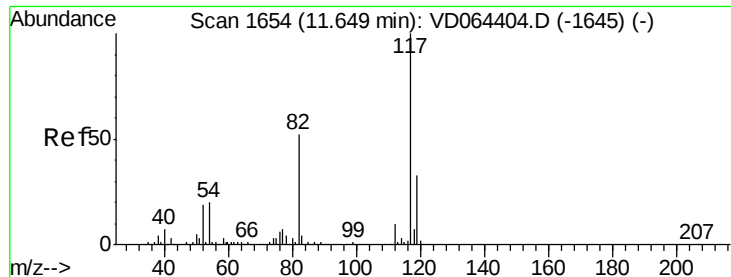
Tgt Ion: 107 Resp: 109916
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 53.664 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 95 Resp: 209624
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 197.2
 176 94.2 0.0 189.6

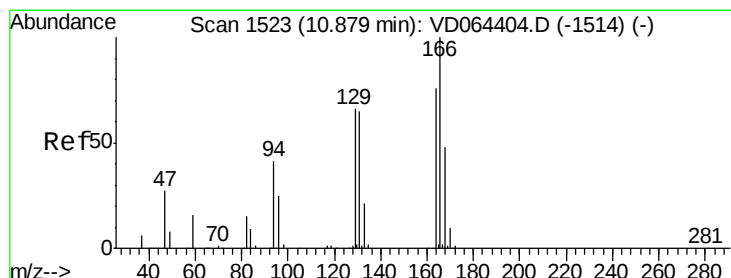
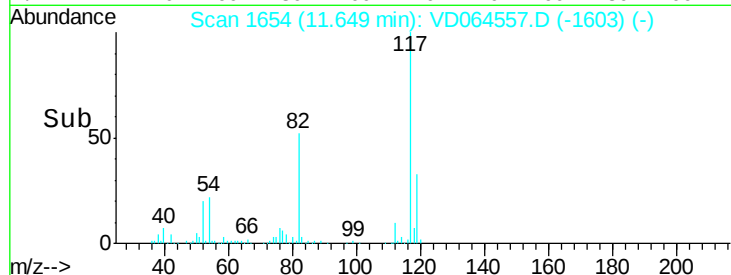
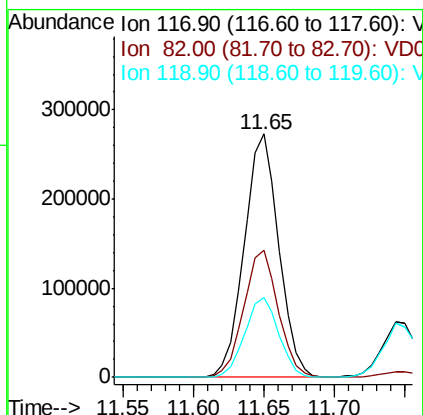
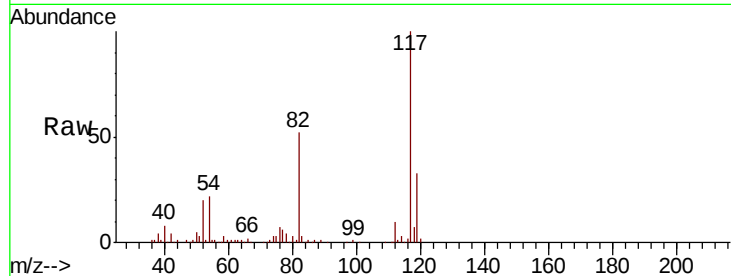




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

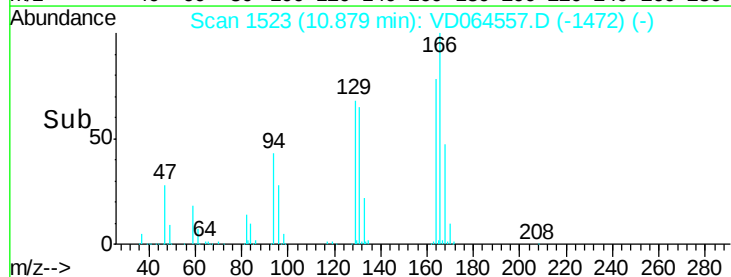
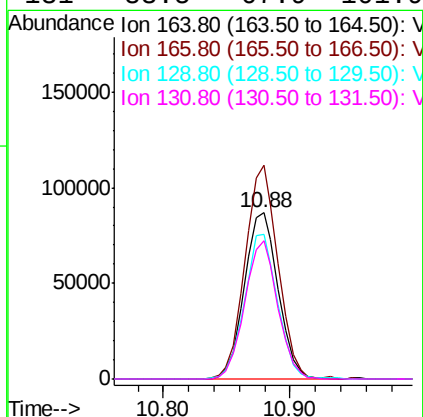
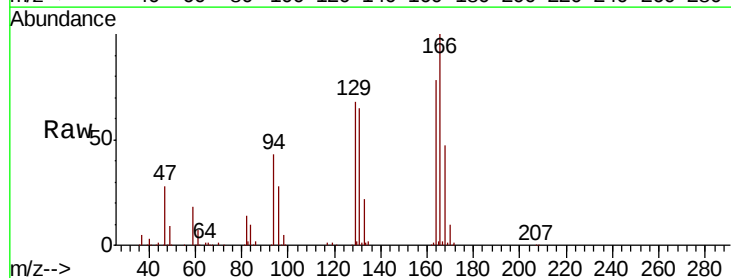
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 468933
Ion Ratio Lower Upper
117 100
82 52.4 41.4 62.2
119 32.6 26.2 39.2



#64
Tetrachloroethene
Concen: 44.909 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion:164 Resp: 160593
Ion Ratio Lower Upper
164 100
166 128.4 104.8 157.2
129 87.4 68.7 103.1
131 83.5 67.9 101.9

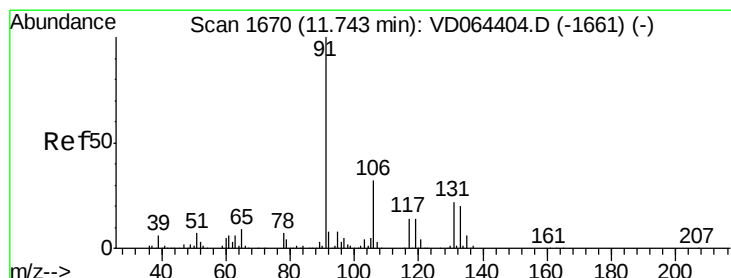
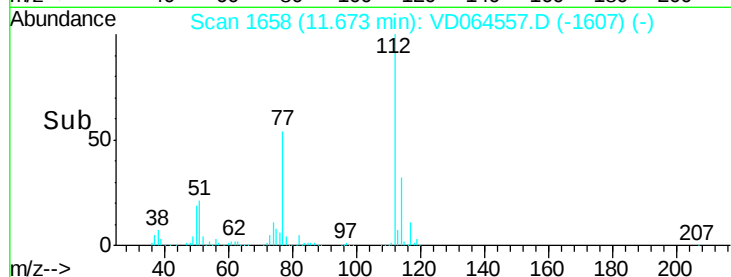
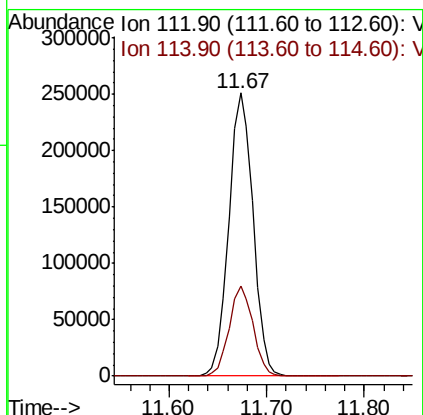
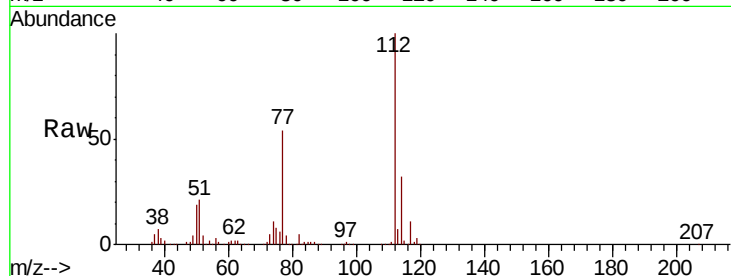




#65
Chlorobenzene
Concen: 44.138 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

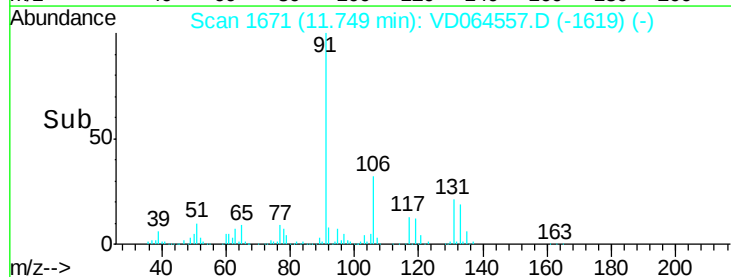
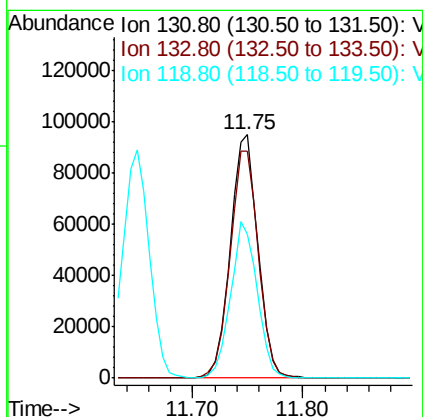
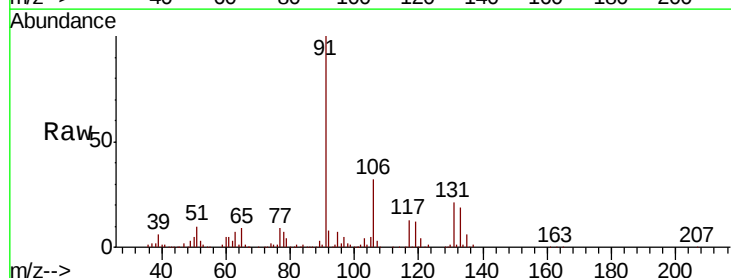
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

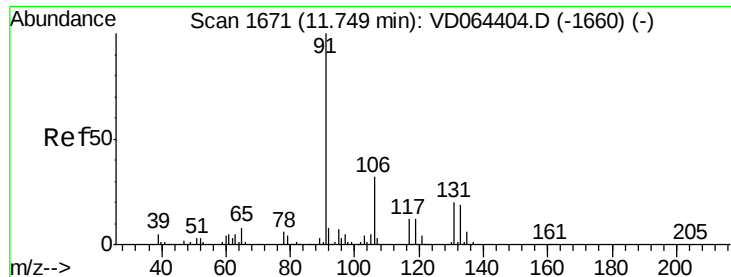
Tgt Ion:112 Resp: 431687
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 45.760 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion:131 Resp: 165677
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.9
119 62.4 31.9 95.9

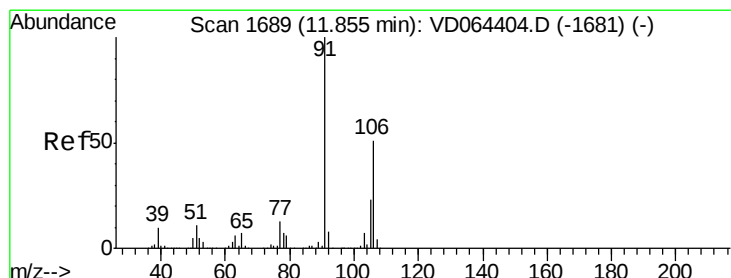
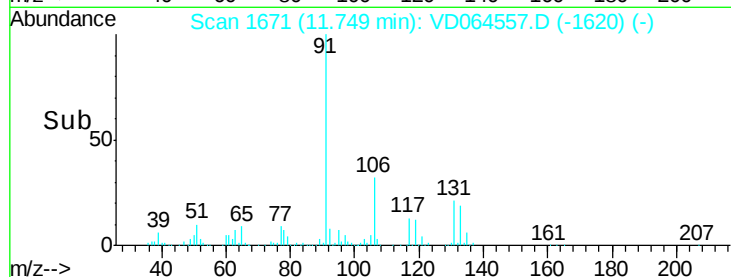
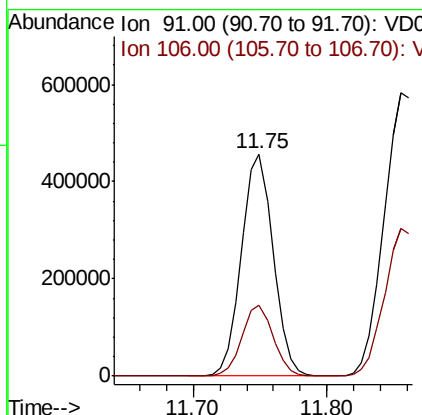
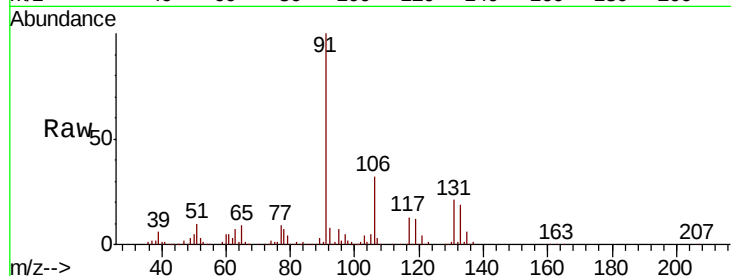




#67
Ethyl Benzene
Concen: 43.225 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

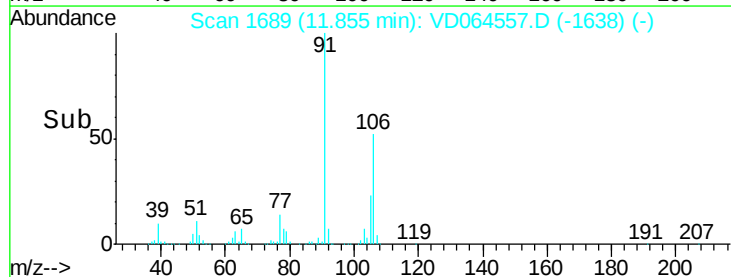
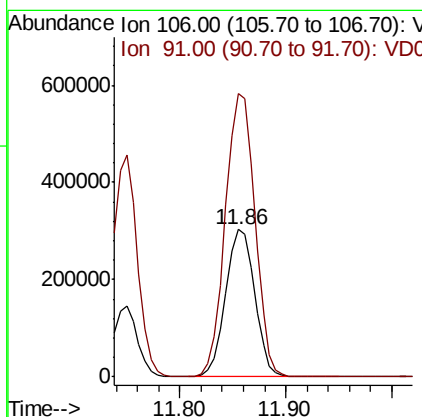
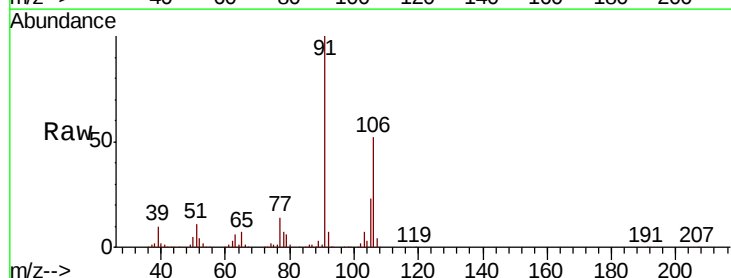
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

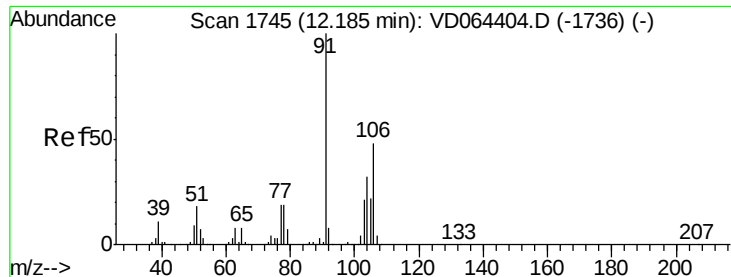
Tgt Ion: 91 Resp: 752182
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.8



#68
m/p-Xylenes
Concen: 87.384 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion: 106 Resp: 579795
Ion Ratio Lower Upper
106 100
91 195.2 157.4 236.2

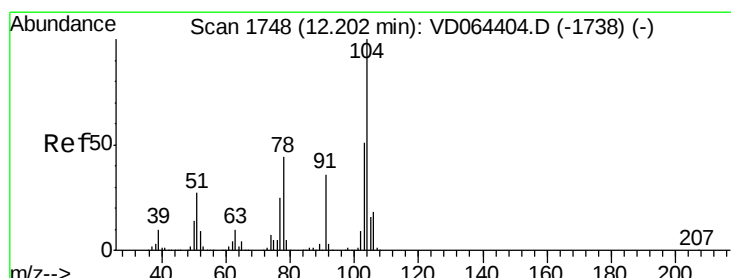
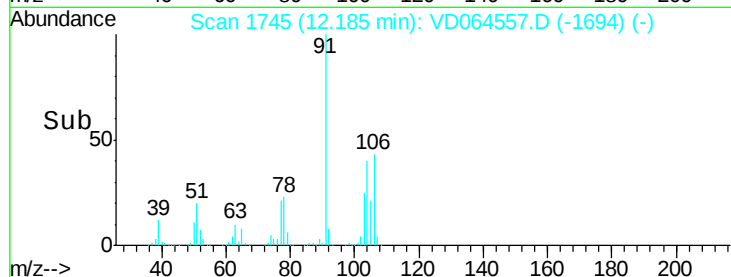
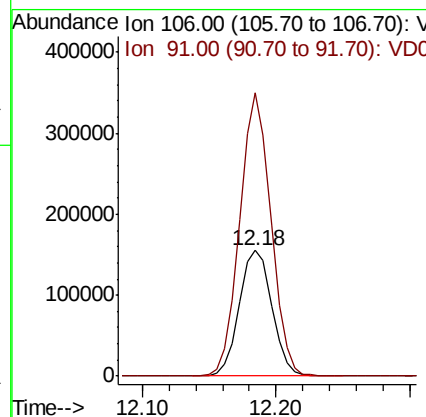
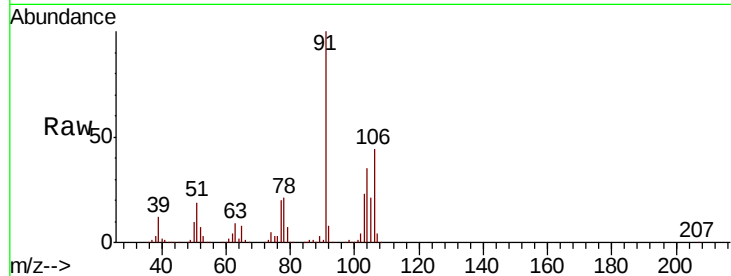




#69
o-Xylene
Concen: 43.001 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

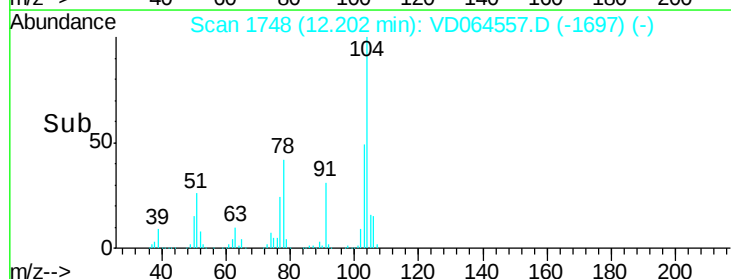
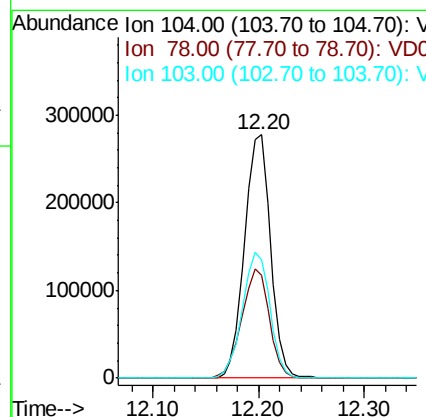
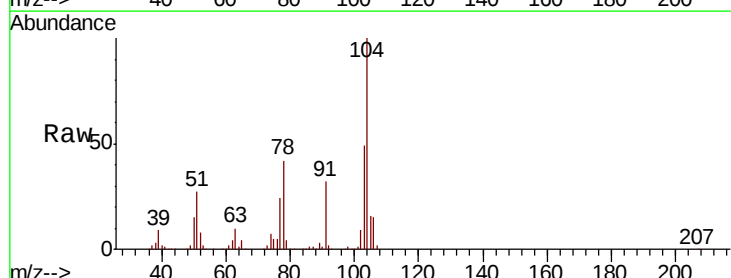
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

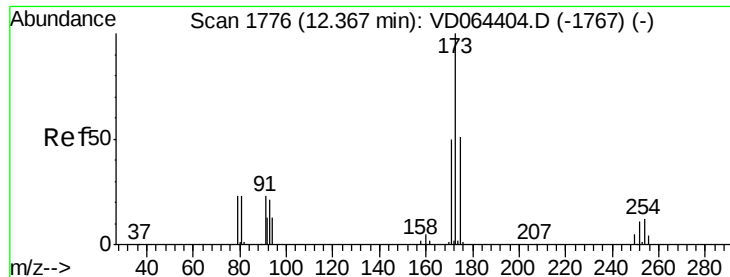
Tgt Ion:106 Resp: 263502
Ion Ratio Lower Upper
106 100
91 215.3 103.8 311.4



#70
Styrene
Concen: 44.706 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion:104 Resp: 476062
Ion Ratio Lower Upper
104 100
78 47.5 38.8 58.2
103 54.7 44.2 66.4

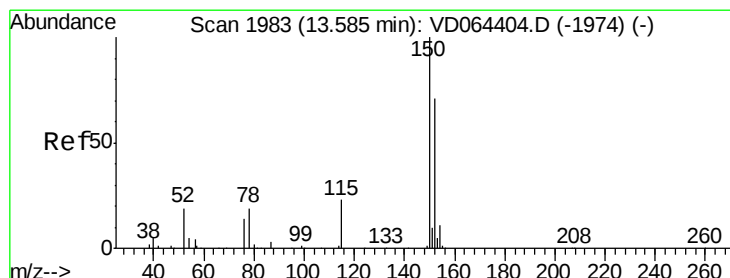
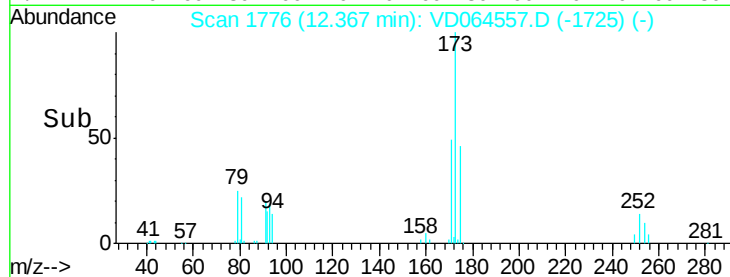
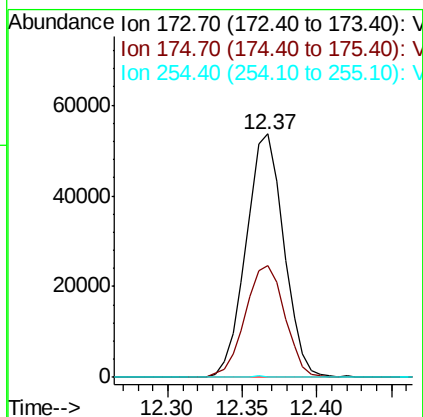
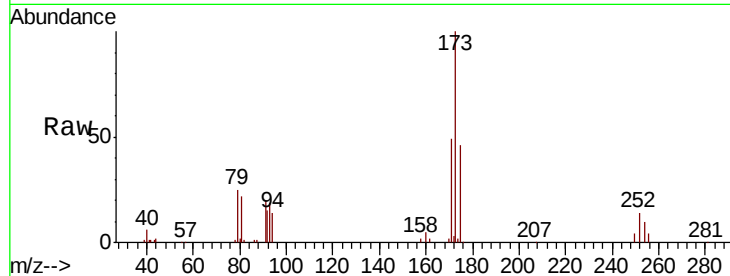




#71
Bromoform
Concen: 43.301 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

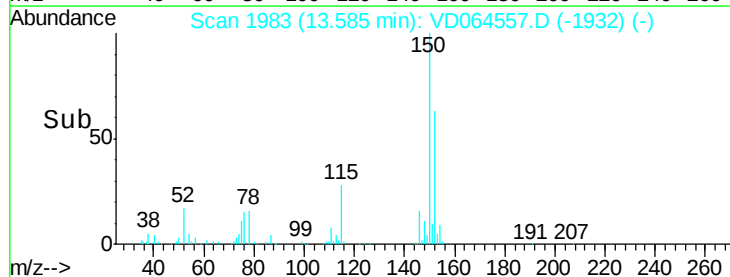
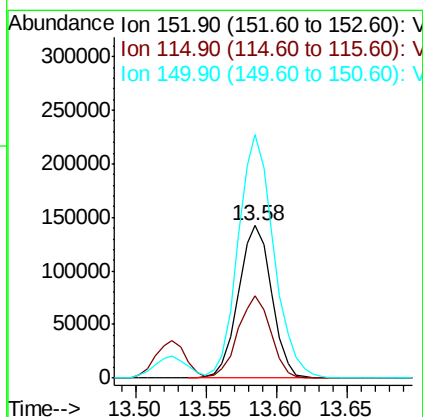
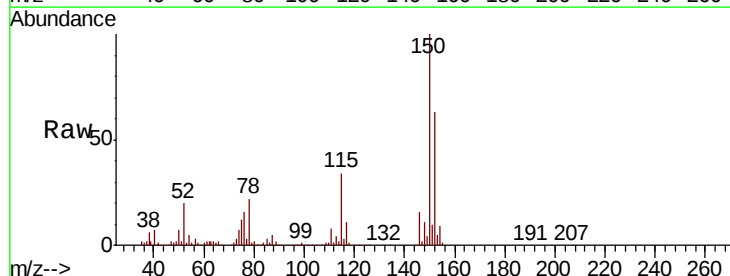
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

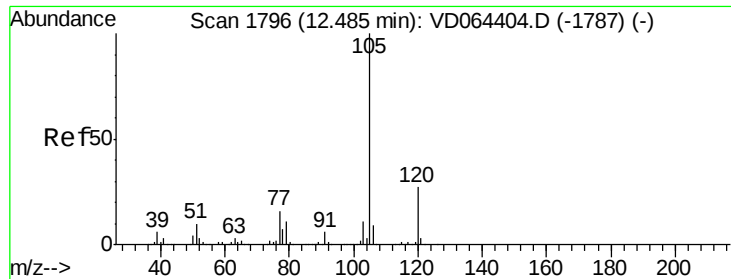
Tgt Ion:173 Resp: 93795
Ion Ratio Lower Upper
173 100
175 48.3 25.3 75.8
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion:152 Resp: 234796
Ion Ratio Lower Upper
152 100
115 53.1 26.7 80.1
150 170.3 0.0 347.2





#73

Isopropylbenzene

Concen: 42.740 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

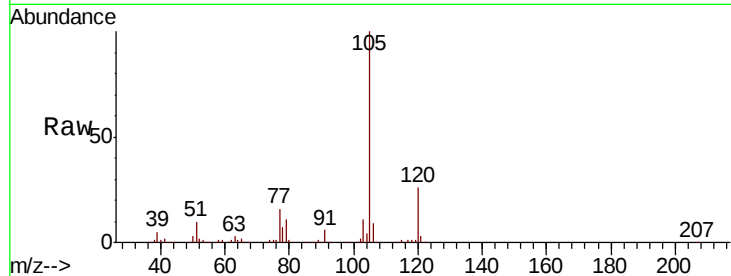
VSTDCCC050EC

Tgt Ion: 105 Resp: 721748

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

500000

400000

300000

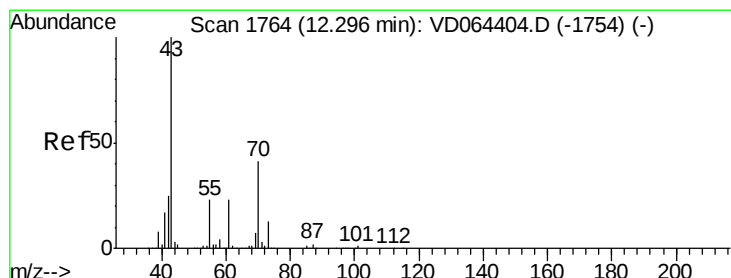
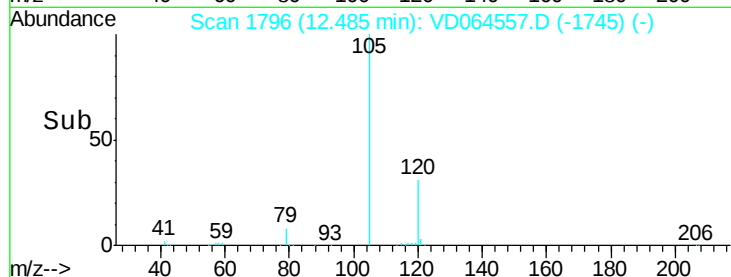
200000

100000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 40.831 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Tgt Ion: 43 Resp: 156493

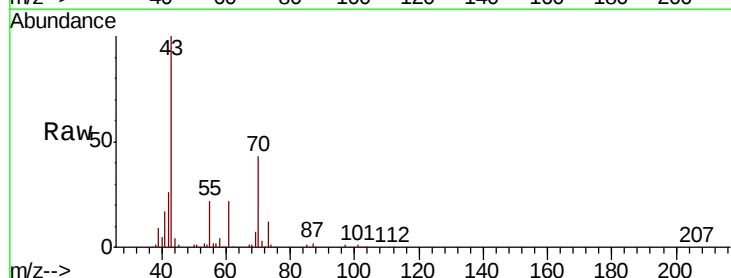
Ion Ratio Lower Upper

43 100

70 42.8 33.4 50.2

55 23.8 18.9 28.3

61 23.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

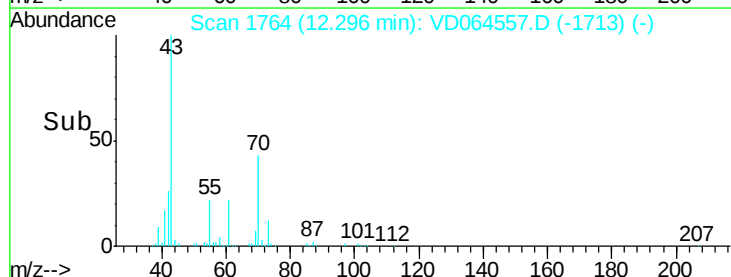
100000

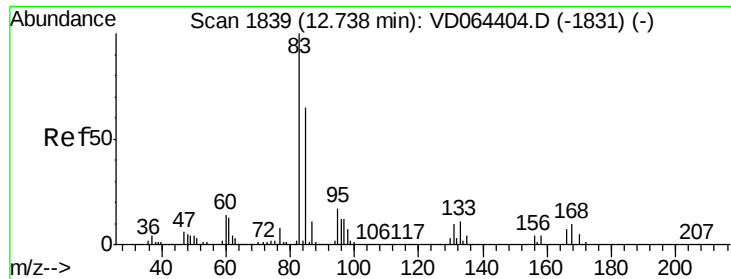
50000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 41.187 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

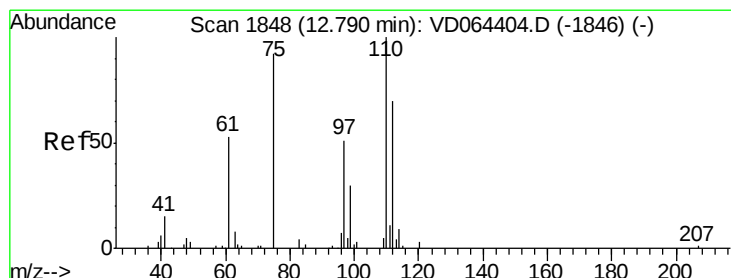
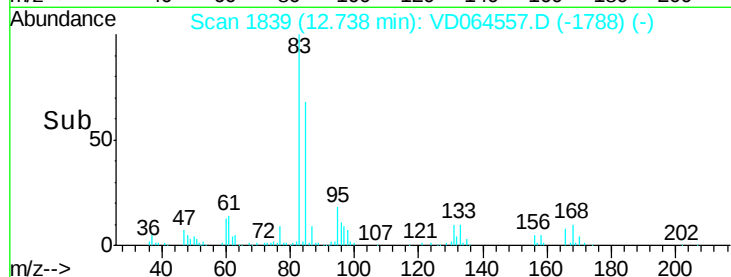
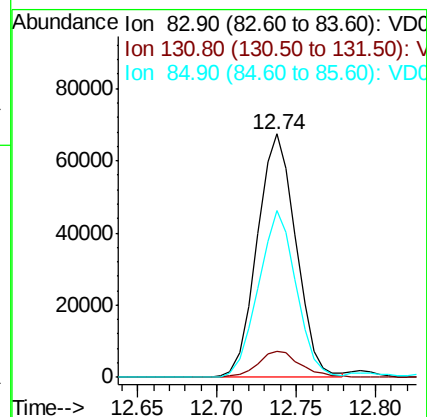
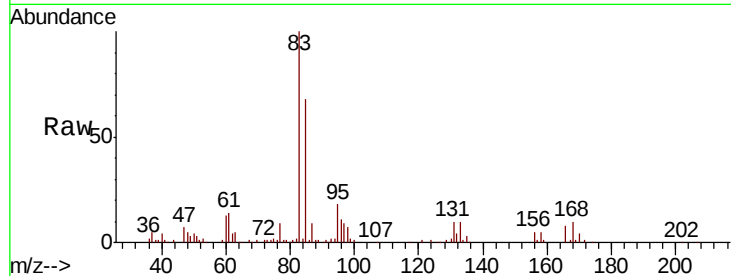
Tgt Ion: 83 Resp: 115017

Ion Ratio Lower Upper

83 100

131 11.9 5.7 17.0

85 66.6 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 80.305 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064557.D

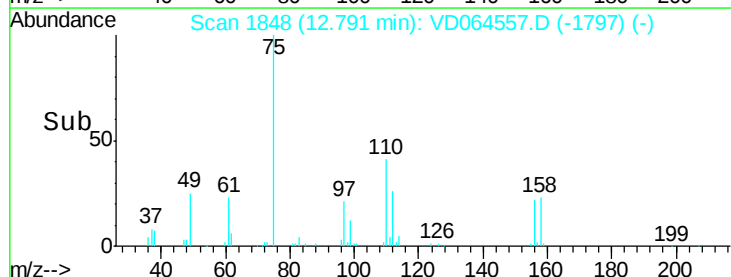
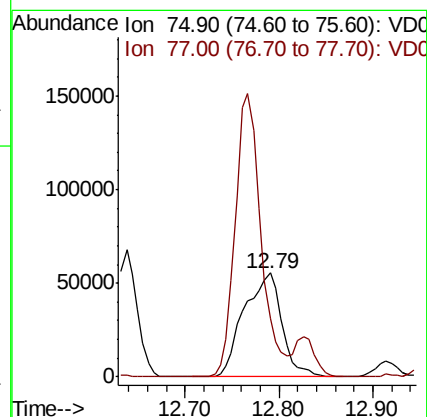
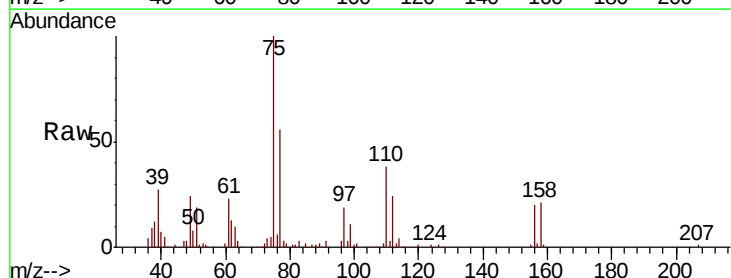
Acq: 17 Dec 2019 20:54

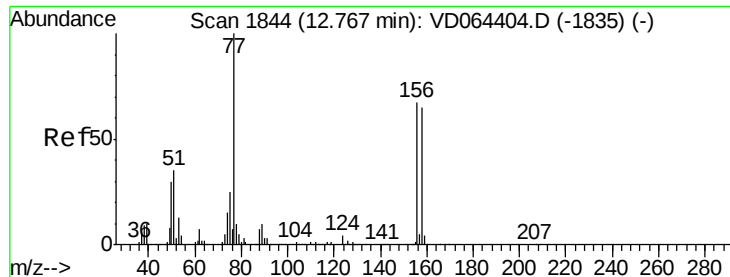
Tgt Ion: 75 Resp: 155059

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 43.434 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

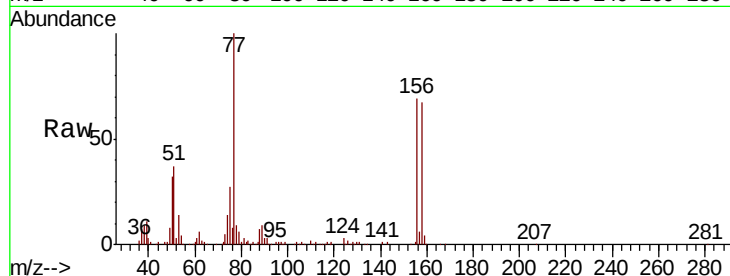
Tgt Ion: 156 Resp: 181124

Ion Ratio Lower Upper

156 100

77 159.7 80.0 240.2

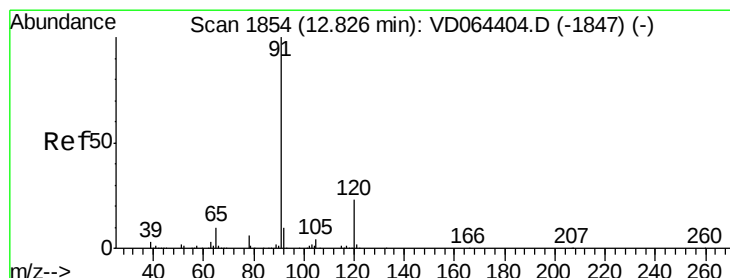
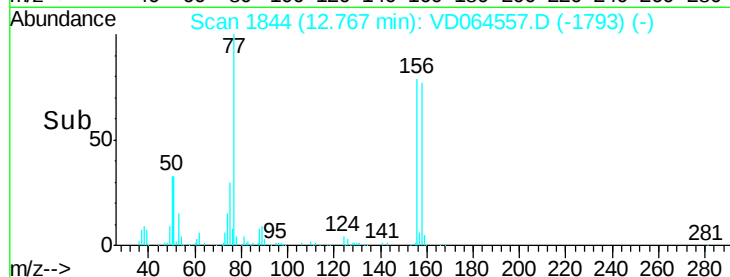
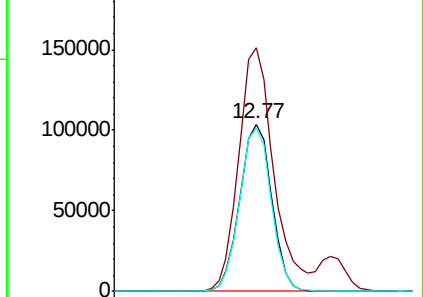
158 97.4 48.9 146.6



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: 43.162 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064557.D

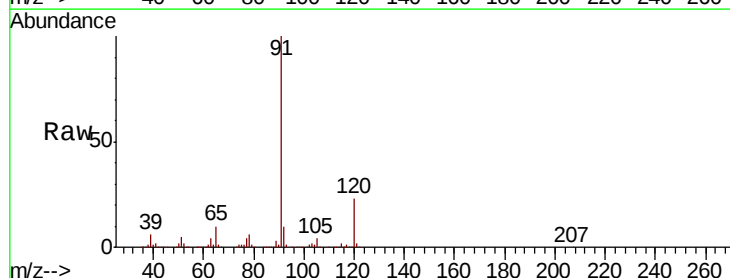
Acq: 17 Dec 2019 20:54

Tgt Ion: 91 Resp: 840971

Ion Ratio Lower Upper

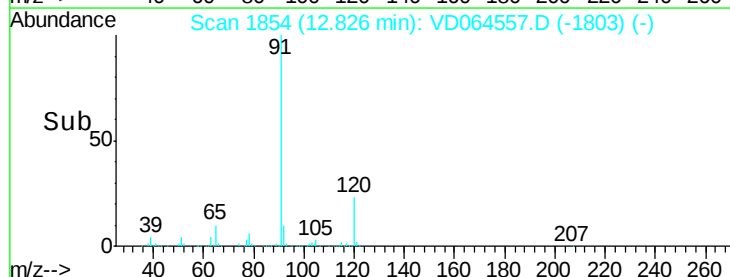
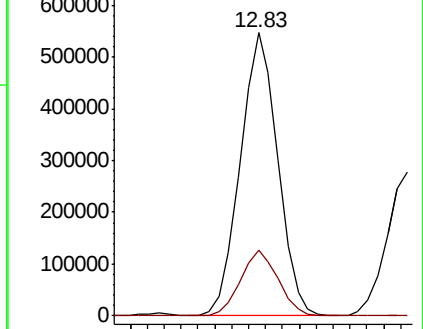
91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.343 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

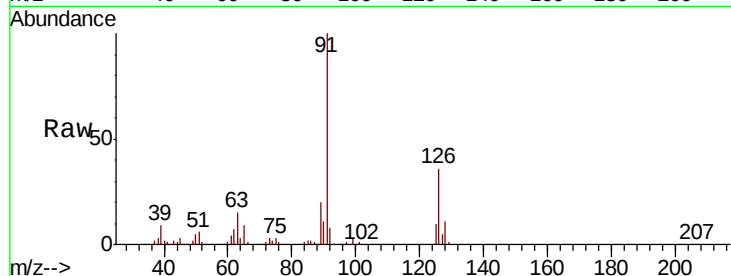
VSTDCCC050EC

Tgt Ion: 91 Resp: 453960

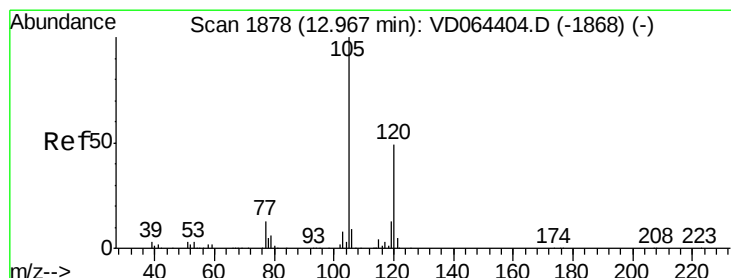
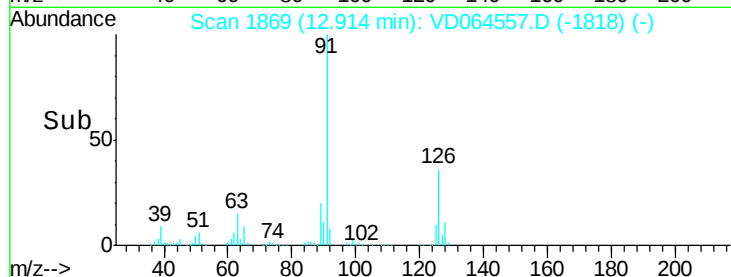
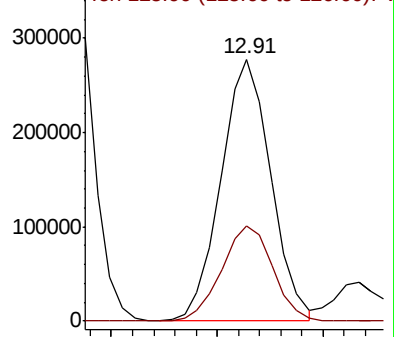
Ion Ratio Lower Upper

91 100

126 37.5 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 42.563 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064557.D

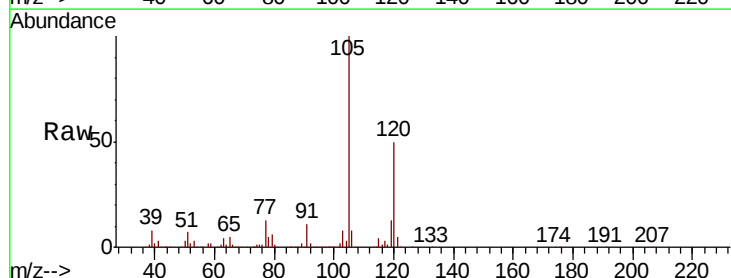
Acq: 17 Dec 2019 20:54

Tgt Ion: 105 Resp: 587361

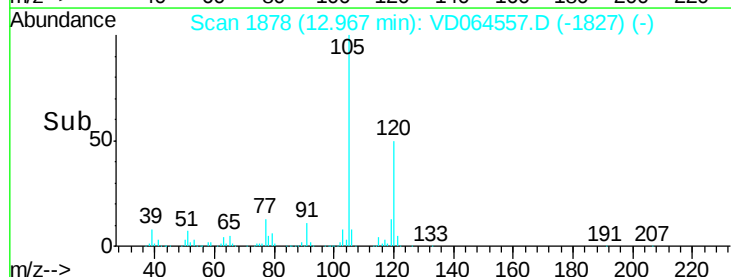
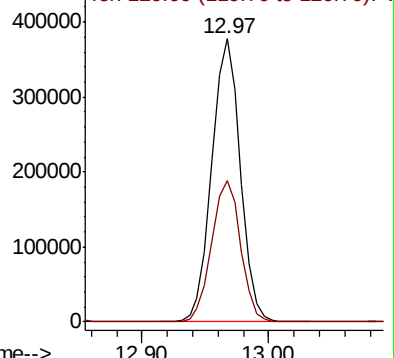
Ion Ratio Lower Upper

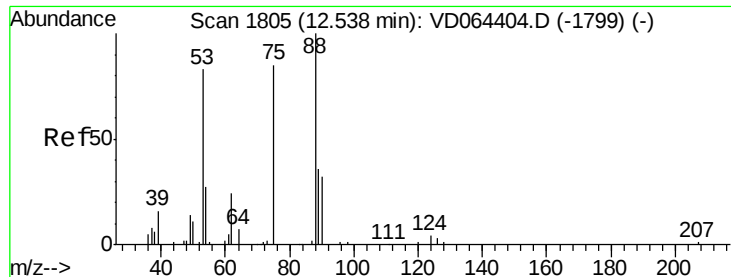
105 100

120 50.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.363 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

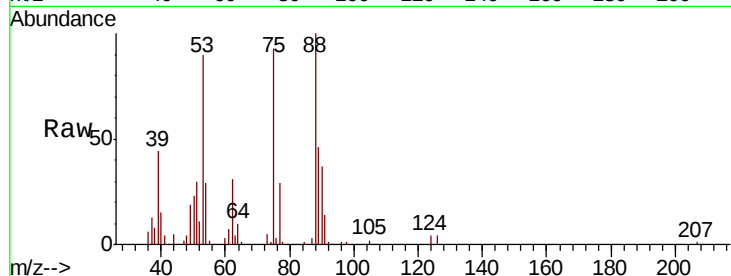
Tgt Ion: 75 Resp: 37513

Ion Ratio Lower Upper

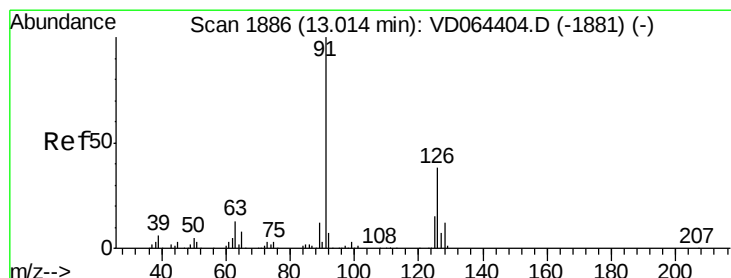
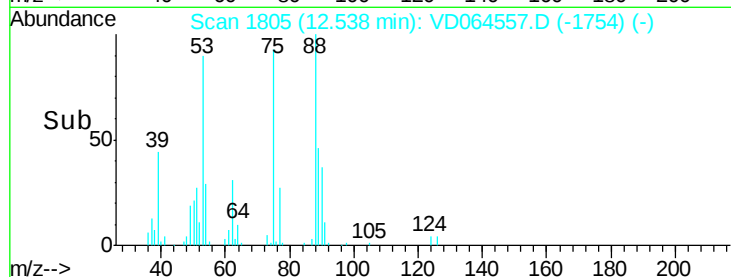
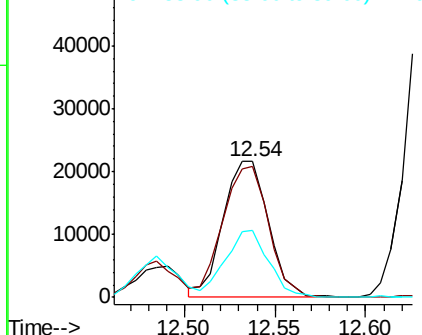
75 100

53 98.3 81.0 121.6

89 46.9 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 42.447 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064557.D

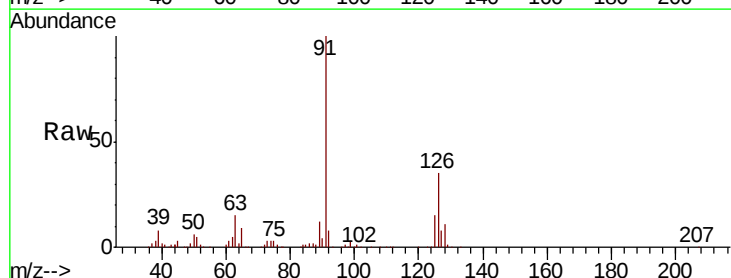
Acq: 17 Dec 2019 20:54

Tgt Ion: 91 Resp: 481833

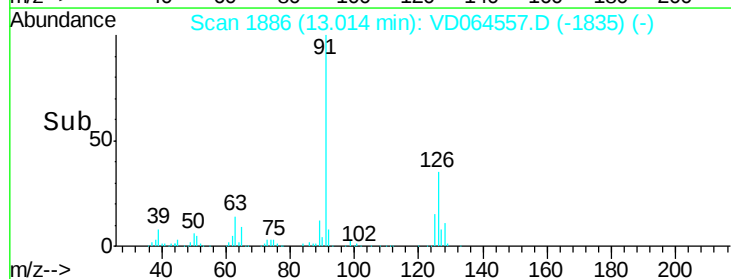
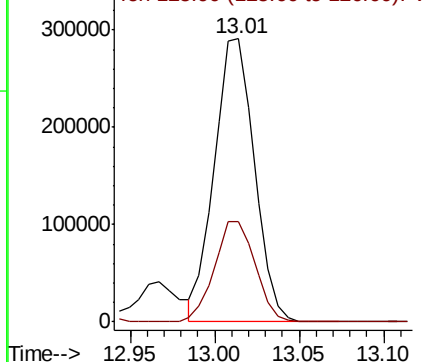
Ion Ratio Lower Upper

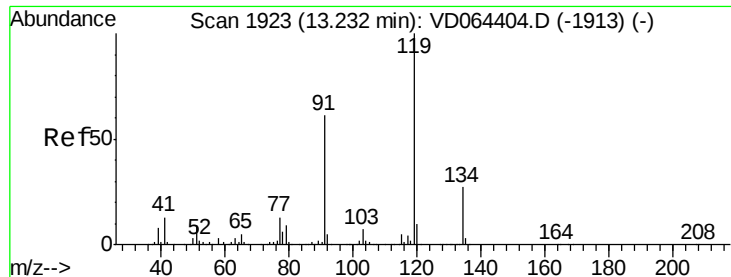
91 100

126 36.3 18.2 54.6



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

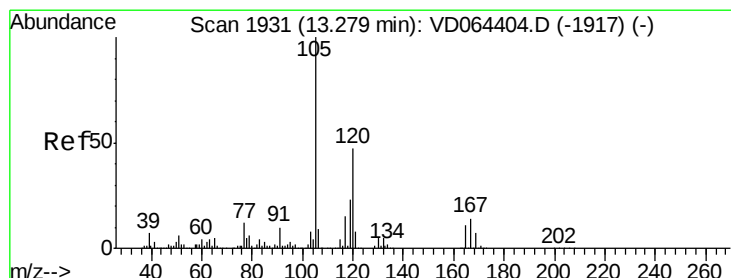
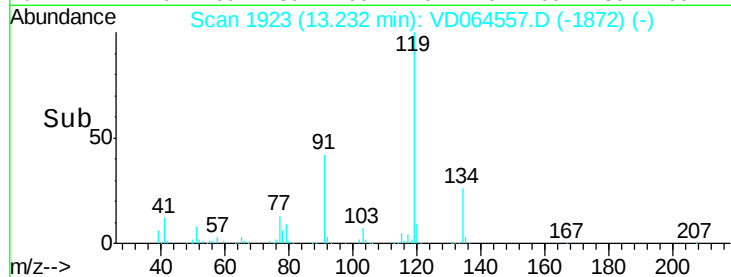
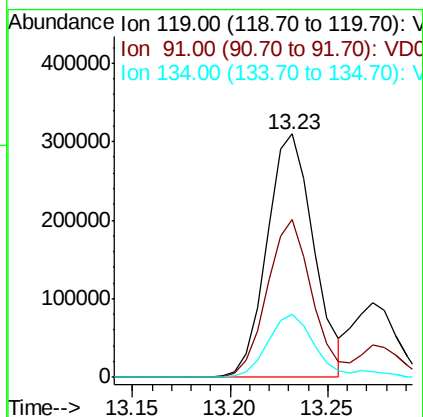
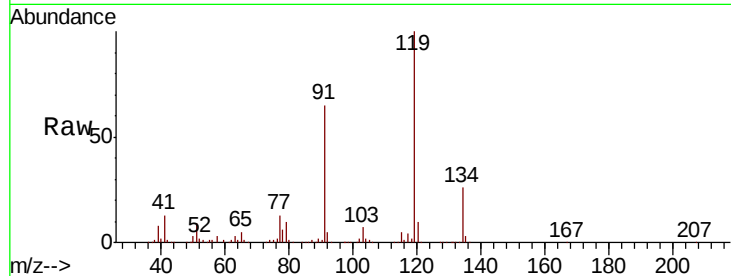




#83
tert-Butylbenzene
Concen: 42.836 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

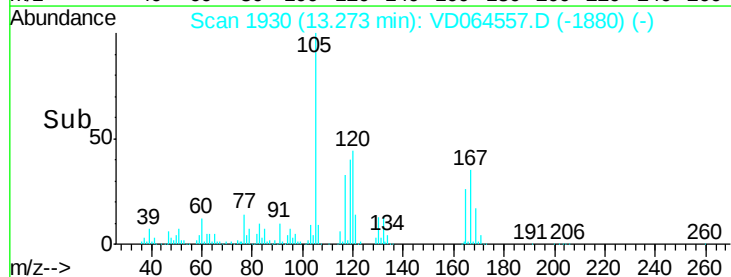
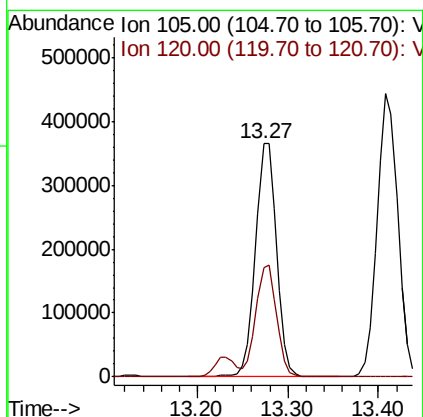
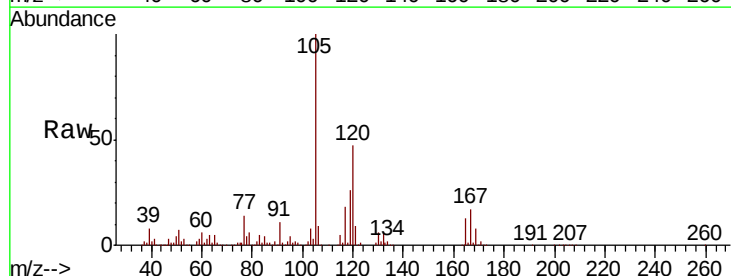
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

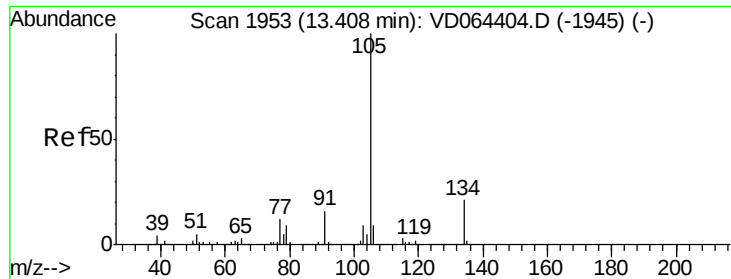
Tgt Ion:119 Resp: 513917
Ion Ratio Lower Upper
119 100
91 62.8 31.2 93.6
134 25.4 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 42.468 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064557.D
Acq: 17 Dec 2019 20:54

Tgt Ion:105 Resp: 589293
Ion Ratio Lower Upper
105 100
120 46.9 23.6 70.8

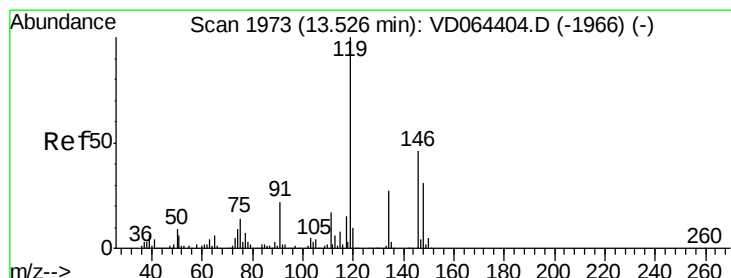
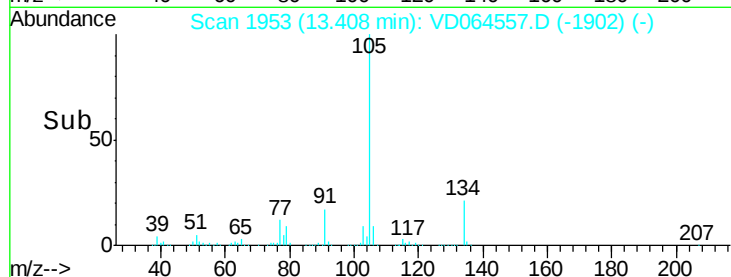
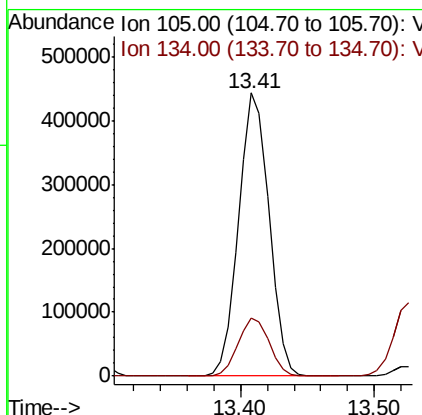
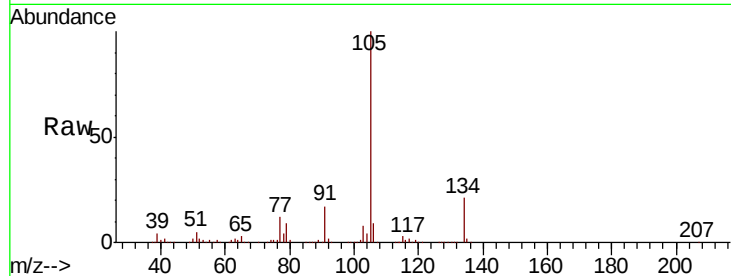




#85
 sec-Butylbenzene
 Concen: 42.398 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

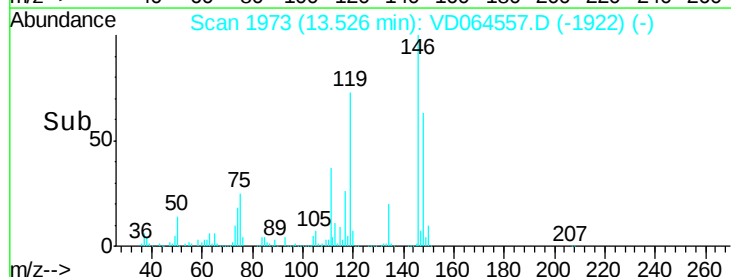
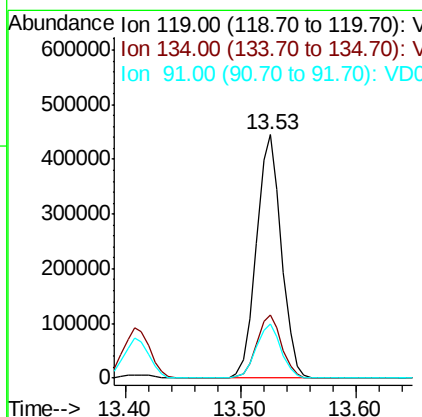
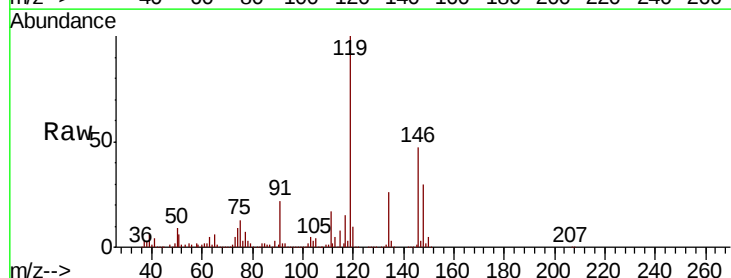
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

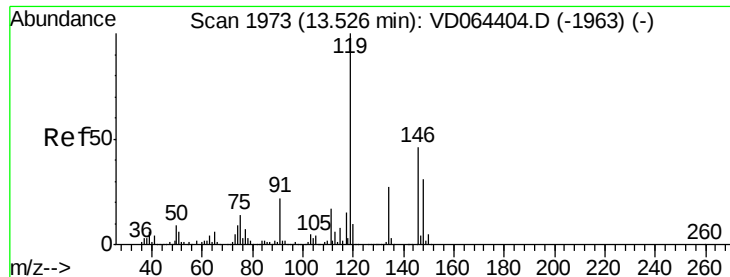
Tgt Ion:105 Resp: 698119
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 42.934 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion:119 Resp: 667421
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.5 40.4
 91 22.3 11.2 33.5

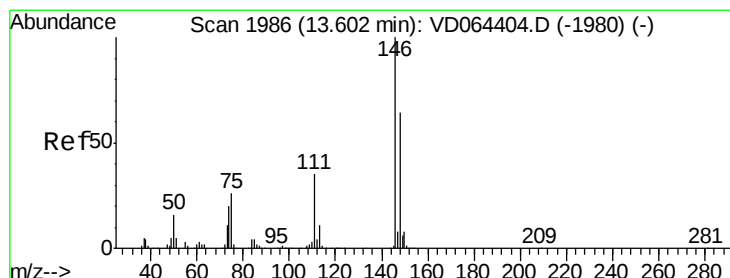
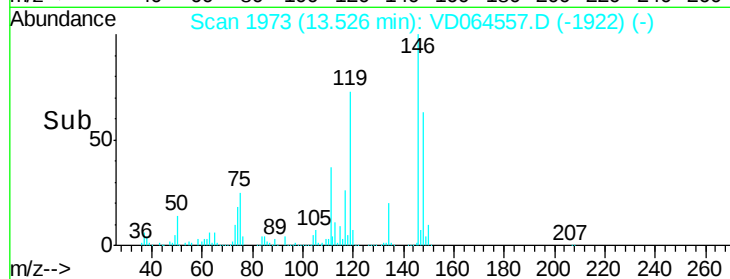
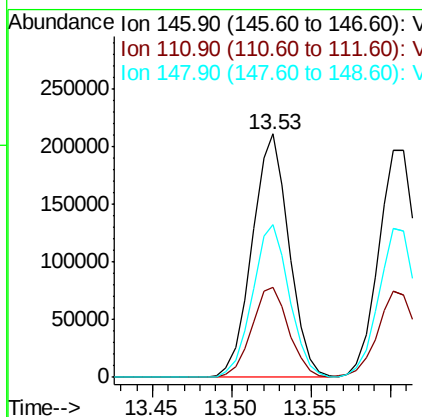
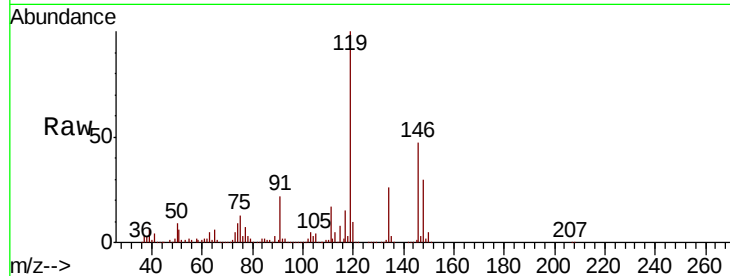




#87
 1,3-Dichlorobenzene
 Concen: 43.224 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

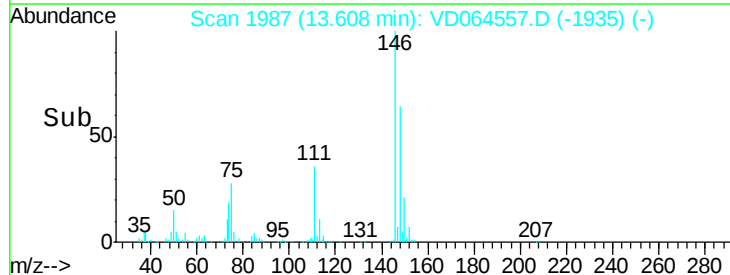
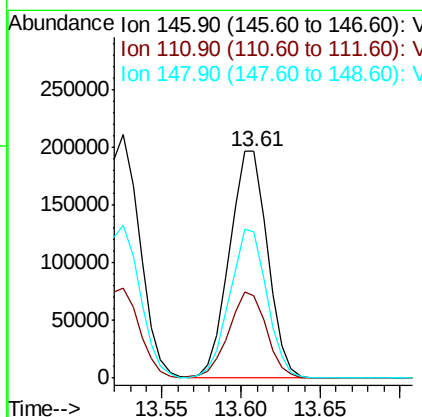
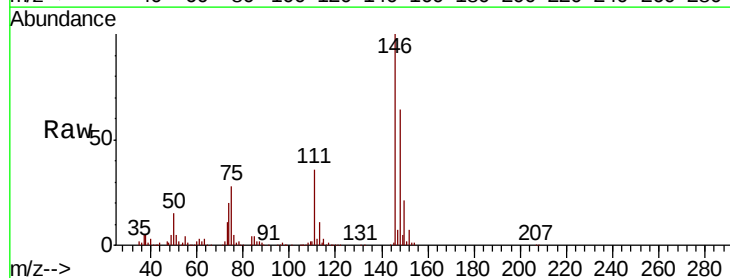
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

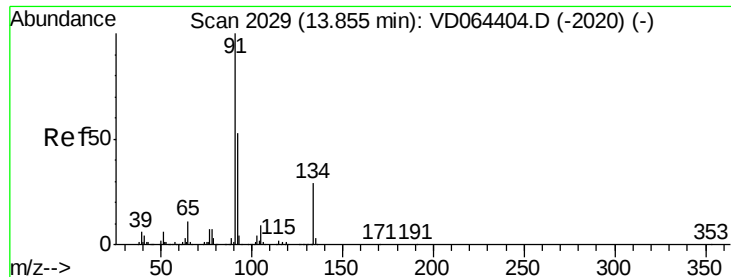
Tgt Ion:146 Resp: 342112
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 62.7 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 42.096 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion:146 Resp: 328948
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.2 54.6
 148 64.1 31.8 95.4





#89

n-Butylbenzene

Concen: 42.040 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

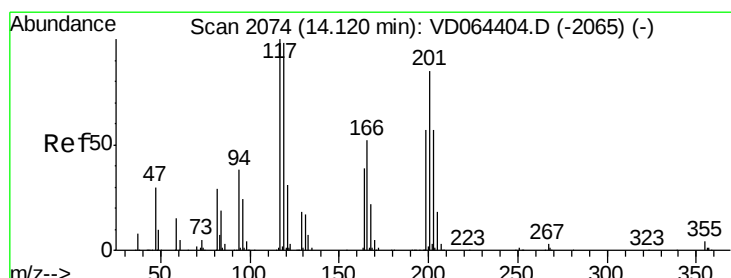
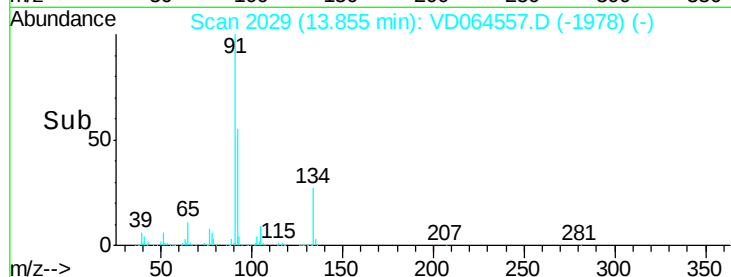
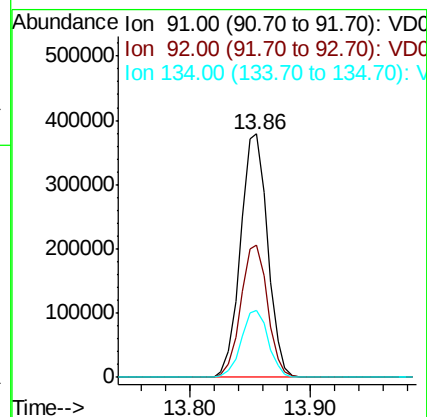
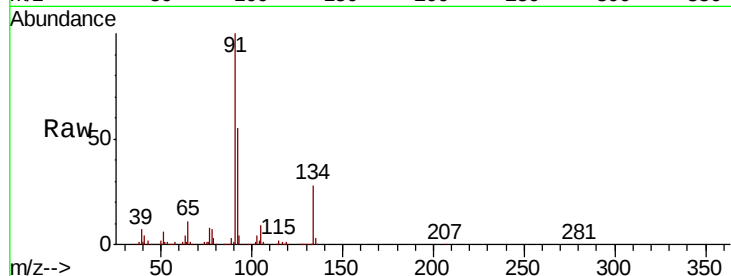
Tgt Ion: 91 Resp: 593487

Ion Ratio Lower Upper

91 100

92 53.8 26.5 79.4

134 27.5 13.9 41.7



#90

Hexachloroethane

Concen: 43.554 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064557.D

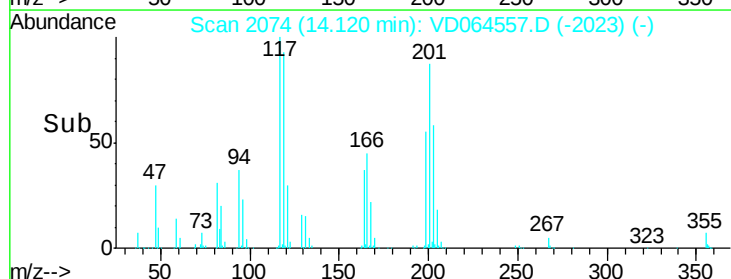
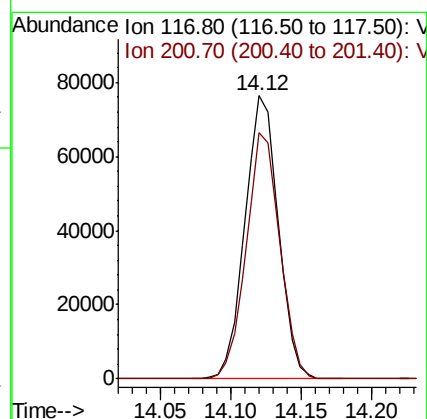
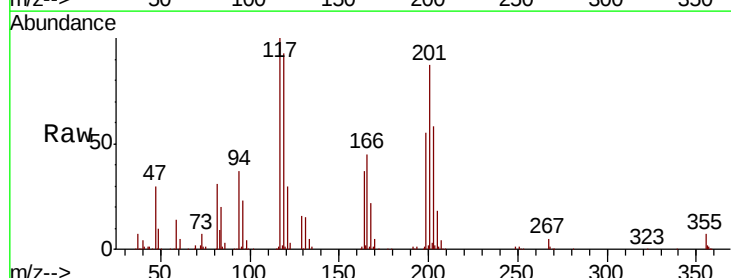
Acq: 17 Dec 2019 20:54

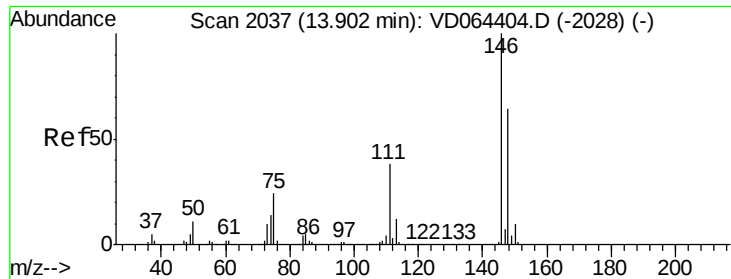
Tgt Ion: 117 Resp: 126637

Ion Ratio Lower Upper

117 100

201 87.9 44.3 132.8

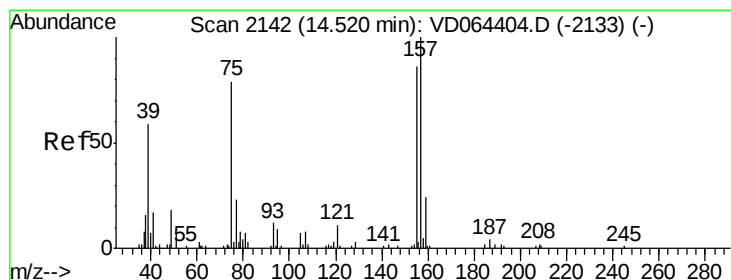
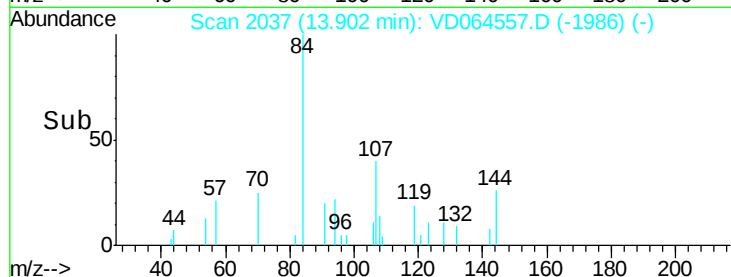
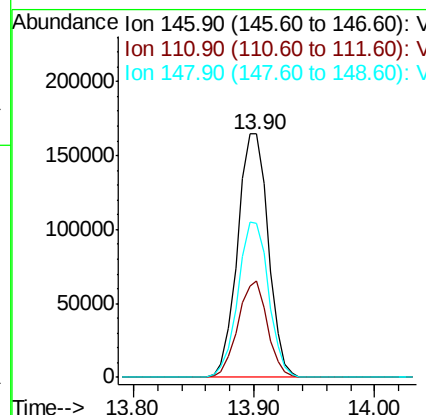
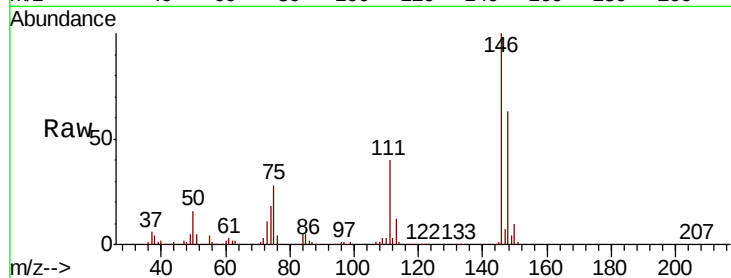




#91
 1,2-Dichlorobenzene
 Concen: 43.220 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

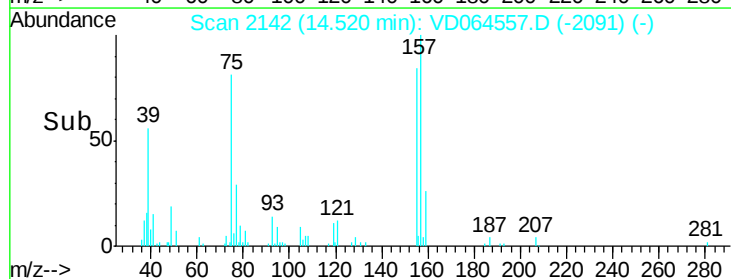
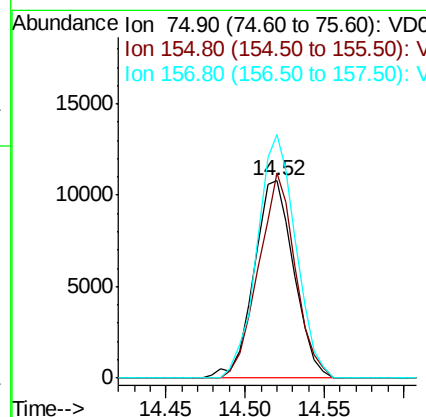
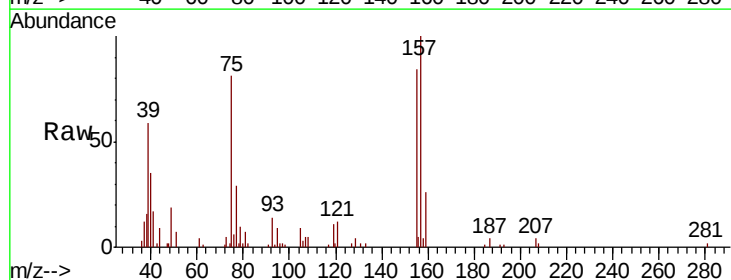
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

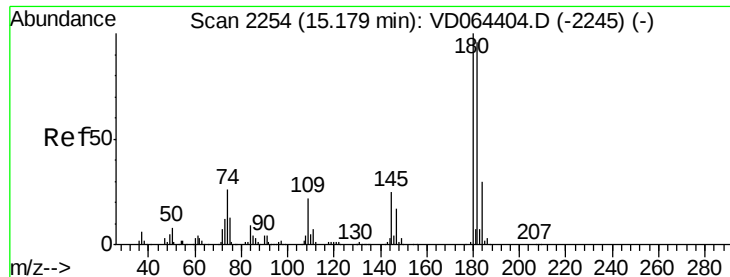
Tgt Ion: 146 Resp: 292344
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.3
 148 63.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.654 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion: 75 Resp: 18828
 Ion Ratio Lower Upper
 75 100
 155 96.2 51.9 155.7
 157 119.6 63.2 189.8

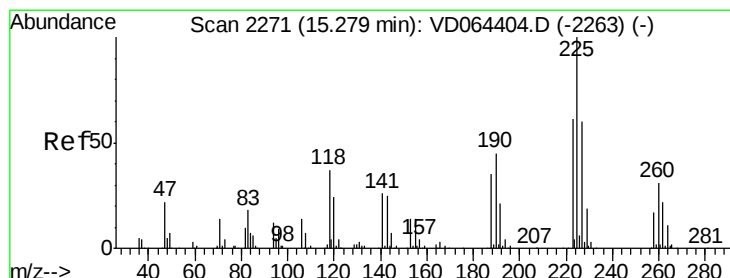
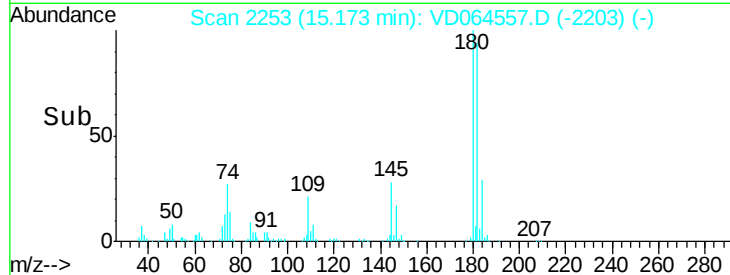
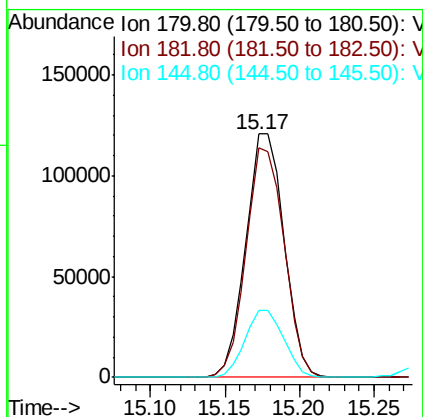
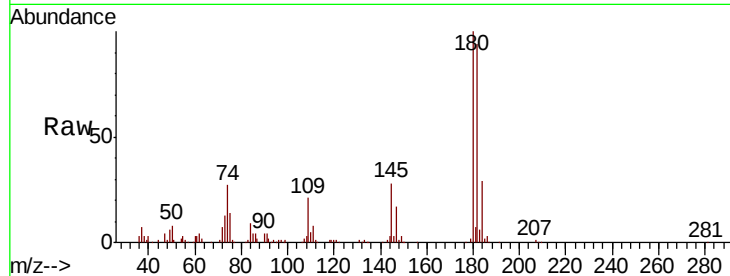




#93
 1,2,4-Trichlorobenzene
 Concen: 41.313 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

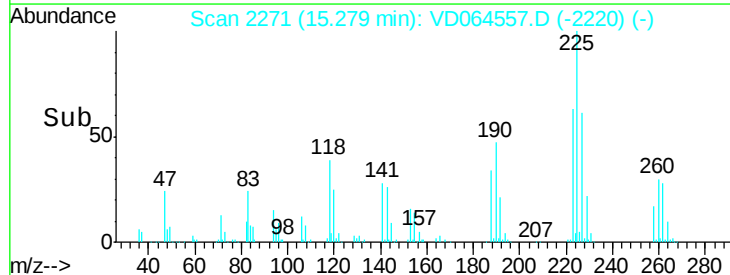
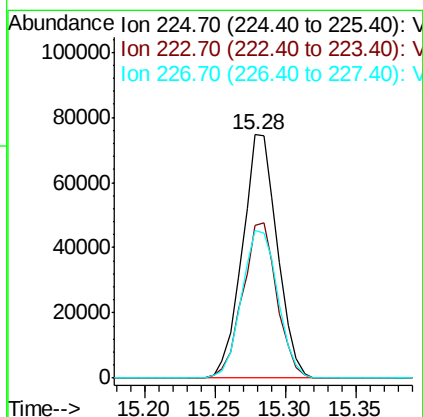
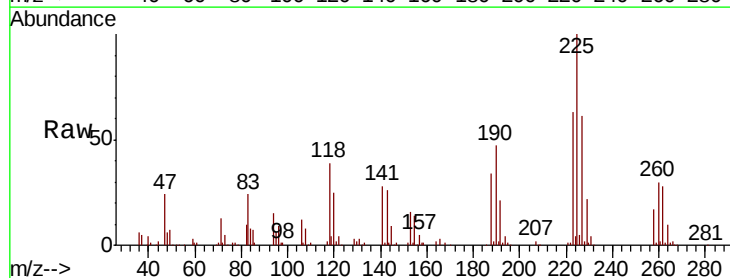
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

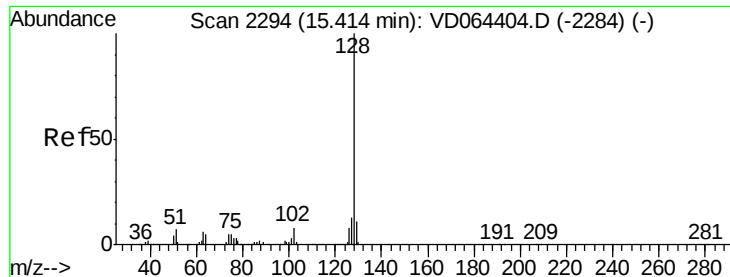
Tgt Ion:180 Resp: 214015
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.4 142.3
 145 28.1 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 40.481 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064557.D
 Acq: 17 Dec 2019 20:54

Tgt Ion:225 Resp: 129459
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.3
 227 62.9 31.8 95.4





#95

Naphthalene

Concen: 40.287 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

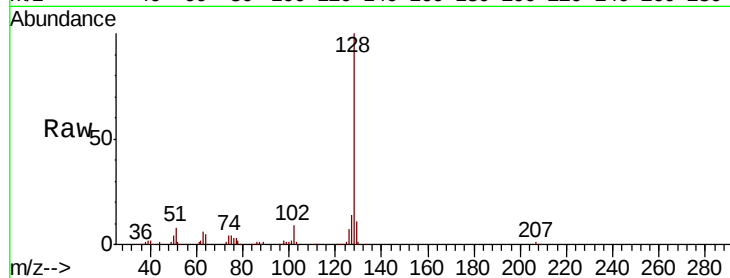
Tgt Ion:128 Resp: 348295

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

250000

200000

150000

100000

50000

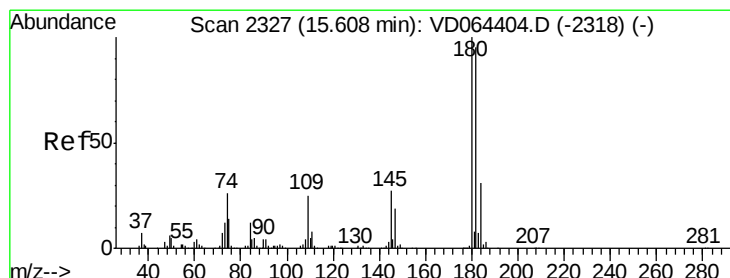
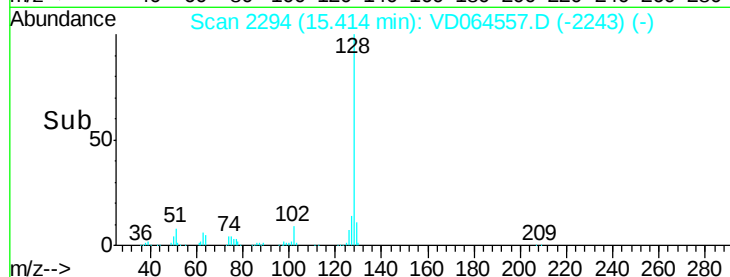
0

15.41

15.40

15.50

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 41.022 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064557.D

Acq: 17 Dec 2019 20:54

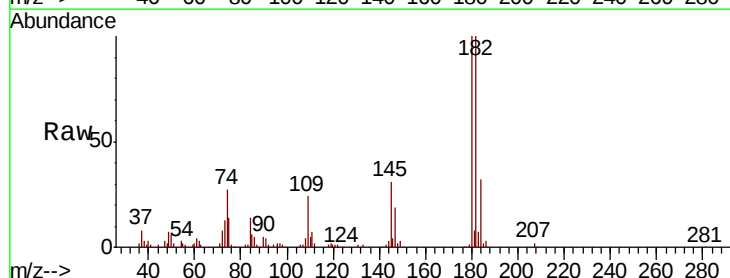
Tgt Ion:180 Resp: 181396

Ion Ratio Lower Upper

180 100

182 97.7 47.6 142.9

145 29.7 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

120000

100000

80000

60000

40000

20000

0

15.61

15.55

15.65

Time-->

