

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064111.D
 Acq On : 30 Oct 2019 13:23
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:03:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	228456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	339145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	328545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	95831	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.92	113	105760	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	422900	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.64	95	141483	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49229	21.103	ug/l	98
3) Chloromethane	2.21	50	81223	20.868	ug/l	99
4) Vinyl Chloride	2.35	62	88461	20.958	ug/l	99
5) Bromomethane	2.76	94	57642	20.955	ug/l	88
6) Chloroethane	2.92	64	56559	21.574	ug/l	98
7) Trichlorofluoromethane	3.27	101	121605	20.929	ug/l	95
8) Diethyl Ether	3.71	74	20859	20.653	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	42951	20.512	ug/l	99
10) Methyl Iodide	4.29	142	50976	19.650	ug/l	98
11) Tert butyl alcohol	5.24	59	1911	24.016	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	42199	21.294	ug/l #	78
13) Acrolein	3.92	56	10666	92.067	ug/l	97
14) Allyl chloride	4.70	41	47382	20.428	ug/l	98
15) Acrylonitrile	5.43	53	39114	104.843	ug/l	96
16) Acetone	4.16	43	34840	100.780	ug/l #	88
17) Carbon Disulfide	4.40	76	126601	20.788	ug/l	96
18) Methyl Acetate	4.73	43	18955	20.613	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	80601	20.043	ug/l	100
20) Methylene Chloride	4.96	84	50511	20.463	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	48131	21.636	ug/l #	90
22) Diisopropyl ether	6.37	45	100531	19.570	ug/l	95
23) Vinyl Acetate	6.31	43	293756	104.324	ug/l	95
24) 1,1-Dichloroethane	6.26	63	66937	19.296	ug/l	96
25) 2-Butanone	7.23	43	49064	102.661	ug/l #	86
26) 2,2-Dichloropropane	7.20	77	62179	18.886	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	48181	19.355	ug/l	97
28) Bromochloromethane	7.55	49	18290	15.168	ug/l	89
29) Tetrahydrofuran	7.57	42	29371	105.301	ug/l	95
30) Chloroform	7.71	83	80475	20.274	ug/l	88
31) Cyclohexane	7.98	56	65776	19.463	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	77518	20.979	ug/l	96
36) 1,1-Dichloropropene	8.11	75	62051	19.526	ug/l	99
37) Ethyl Acetate	7.30	43	20971	21.439	ug/l #	95
38) Carbon Tetrachloride	8.10	117	71419	20.598	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064111.D
 Acq On : 30 Oct 2019 13:23
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:03:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	80020	20.512	ug/l	95
40) Benzene	8.36	78	171188	19.754	ug/l	97
41) Methacrylonitrile	7.53	41	11897	21.076	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	44702	19.528	ug/l	98
43) Isopropyl Acetate	8.46	43	39949	20.209	ug/l	98
44) Trichloroethene	9.11	130	51982	19.791	ug/l	97
45) 1,2-Dichloropropane	9.39	63	39128	19.483	ug/l #	83
46) Dibromomethane	9.48	93	23961	19.810	ug/l	98
47) Bromodichloromethane	9.67	83	60938	19.970	ug/l #	96
48) Methyl methacrylate	9.46	41	20115	22.004	ug/l	91
49) 1,4-Dioxane	9.47	88	6130	442.745	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	109429	101.683	ug/l	100
52) Toluene	10.41	92	119470	19.672	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	58507	20.540	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	64333	19.197	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	34997	20.408	ug/l	95
56) Ethyl methacrylate	10.67	69	37407	19.882	ug/l	99
57) 1,3-Dichloropropane	10.96	76	53983	19.034	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	73458	97.773	ug/l	98
59) 2-Hexanone	10.99	43	77330	97.375	ug/l	100
60) Dibromochloromethane	11.14	129	45254	19.442	ug/l	98
61) 1,2-Dibromoethane	11.25	107	34985	20.397	ug/l	99
64) Tetrachloroethene	10.88	164	49135	20.817	ug/l	93
65) Chlorobenzene	11.67	112	139348	20.527	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	49155	19.351	ug/l	98
67) Ethyl Benzene	11.75	91	241314	19.986	ug/l	97
68) m/p-Xylenes	11.86	106	192003	39.534	ug/l	100
69) o-Xylene	12.18	106	86044	19.413	ug/l	98
70) Styrene	12.20	104	148436	19.418	ug/l	97
71) Bromoform	12.36	173	28365	20.909	ug/l #	94
73) Isopropylbenzene	12.48	105	236871	19.609	ug/l	95
74) N-amyl acetate	12.30	43	40223	20.043	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38274	20.102	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	48439	41.470	ug/l #	100
77) Bromobenzene	12.77	156	58411	20.027	ug/l	98
78) n-propylbenzene	12.83	91	285866	20.194	ug/l	99
79) 2-Chlorotoluene	12.91	91	154991	20.425	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	200669	19.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	11907	20.818	ug/l	93
82) 4-Chlorotoluene	13.01	91	163985	20.224	ug/l	99
83) tert-Butylbenzene	13.23	119	180237	19.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	205358	20.221	ug/l	99
85) sec-Butylbenzene	13.41	105	248666	19.941	ug/l	98
86) p-Isopropyltoluene	13.52	119	233706	19.947	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	114357	19.566	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118439	20.557	ug/l	99
89) n-Butylbenzene	13.85	91	221772	20.522	ug/l	99
90) Hexachloroethane	14.11	117	42109	19.197	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	99357	19.753	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6383	22.954	ug/l	78

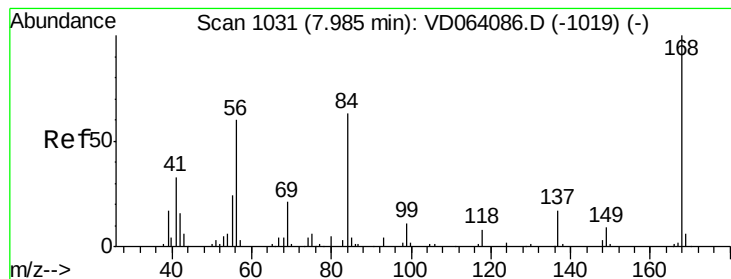
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
Data File : VD064111.D
Acq On : 30 Oct 2019 13:23
Operator : VA/SY
Sample : VD1030SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 31 04:03:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72584	20.075	ug/l	95
94) Hexachlorobutadiene	15.28	225	44607	21.109	ug/l	99
95) Naphthalene	15.41	128	127311	21.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	64435	20.574	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

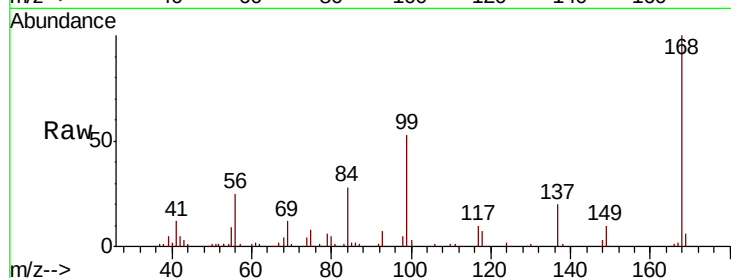
ClientSampleId :

Tot Ion:168 Resp: 228456

Ion Ratio Lower Upper

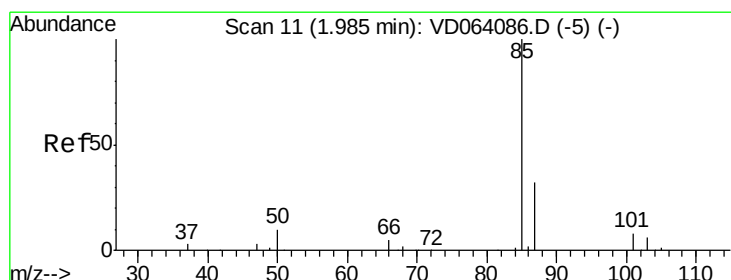
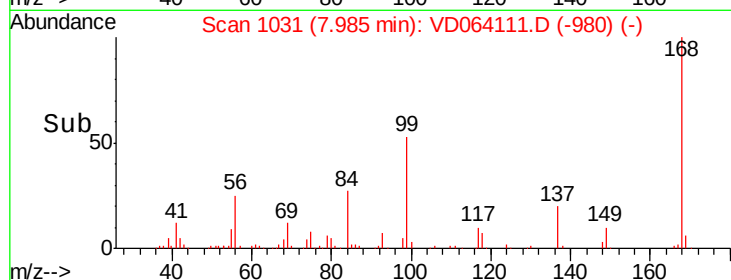
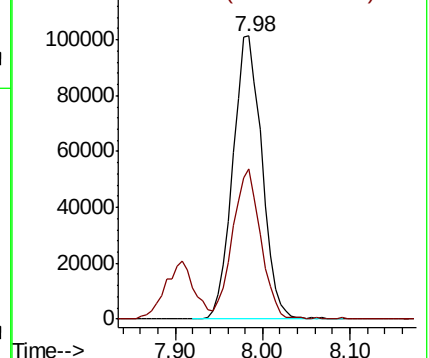
168 100

99 52.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.103 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064111.D

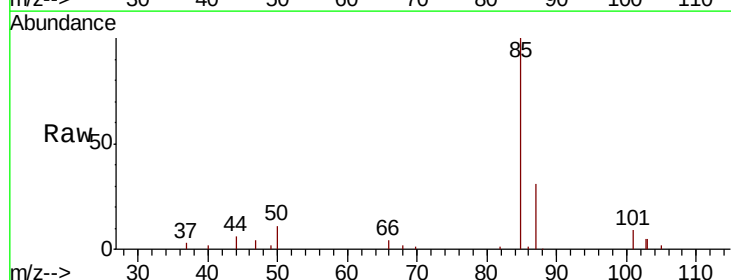
Acq: 30 Oct 2019 13:23

Tgt Ion: 85 Resp: 49229

Ion Ratio Lower Upper

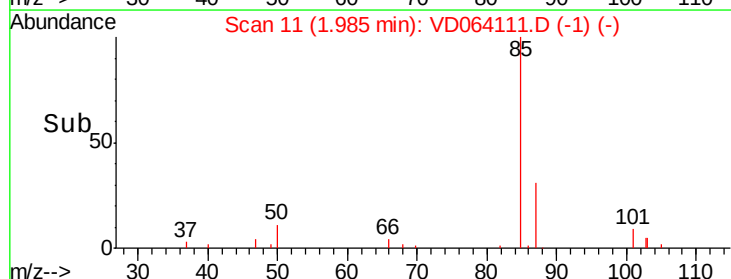
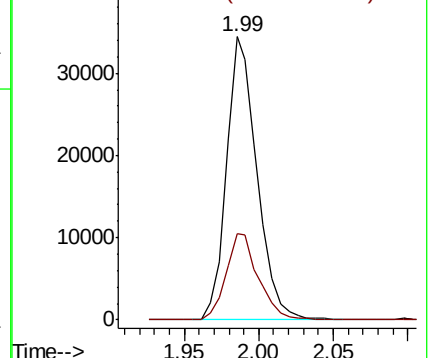
85 100

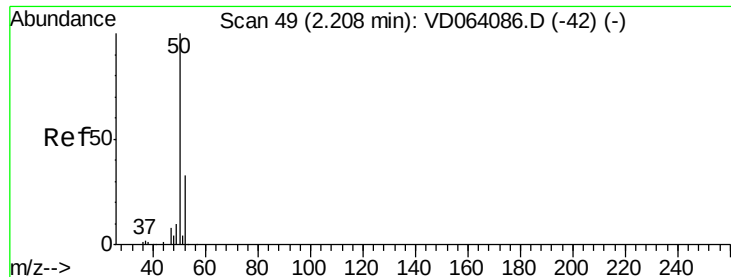
87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.868 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

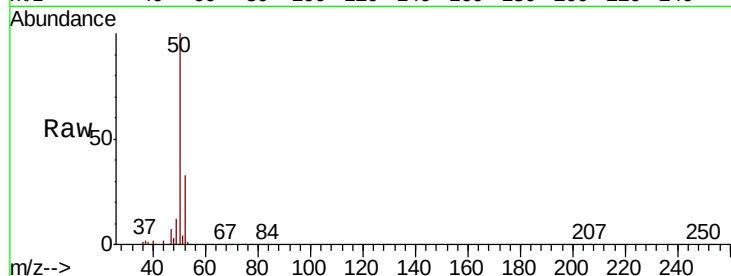
ClientSampleId :

Tot Ion: 50 Resp: 81223

Ion Ratio Lower Upper

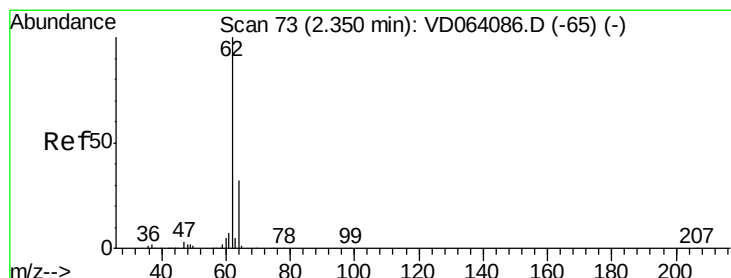
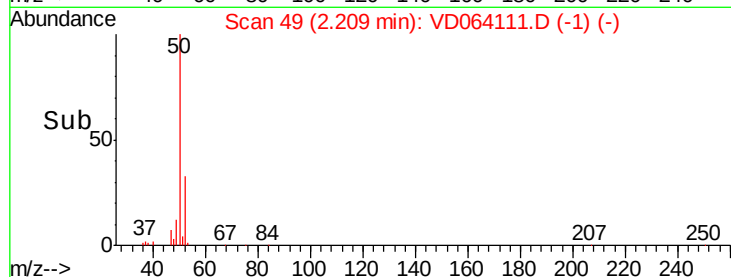
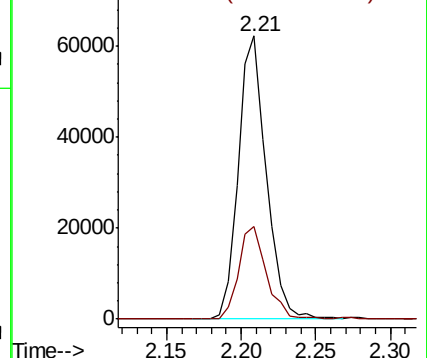
50 100

52 32.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.958 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064111.D

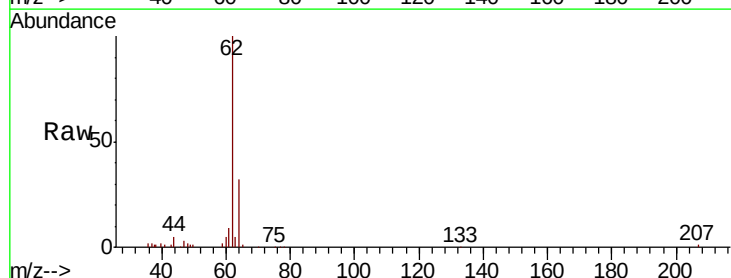
Acq: 30 Oct 2019 13:23

Tgt Ion: 62 Resp: 88461

Ion Ratio Lower Upper

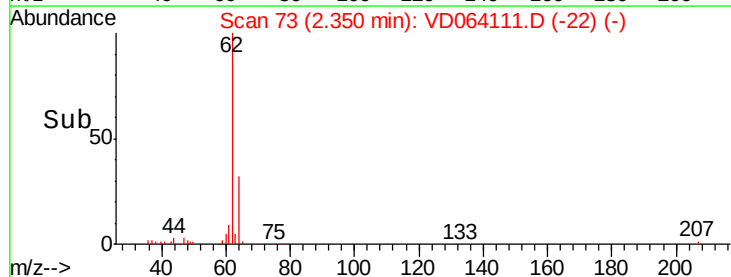
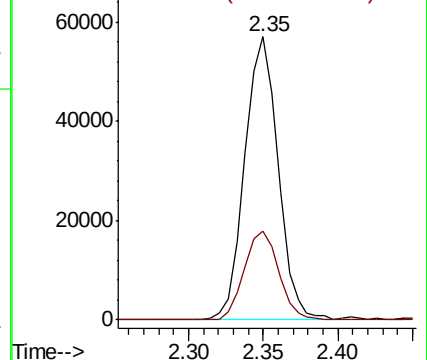
62 100

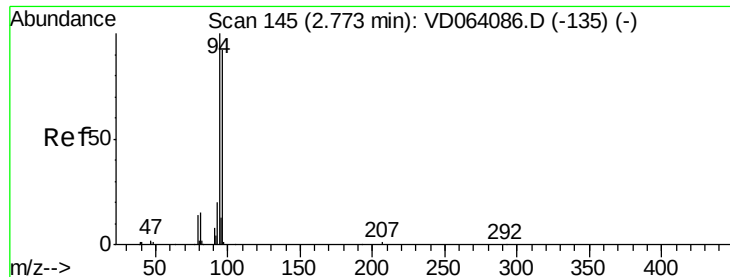
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.955 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

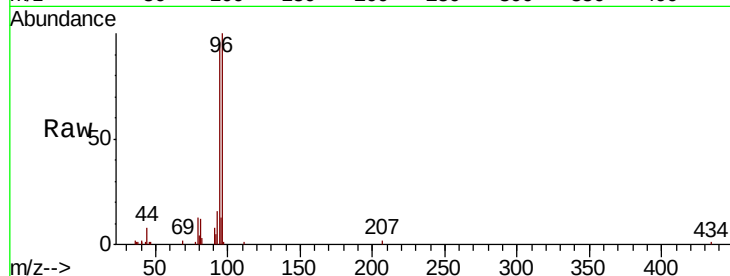
ClientSampleId :

Tot Ion: 94 Resp: 57642

Ion Ratio Lower Upper

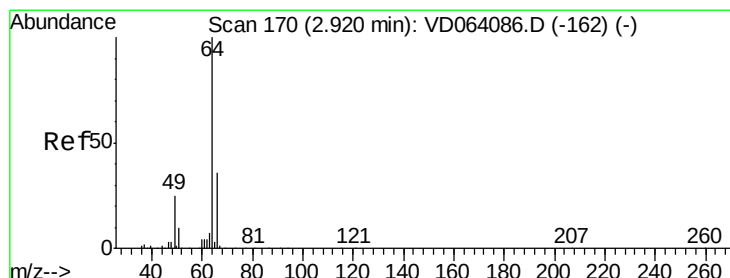
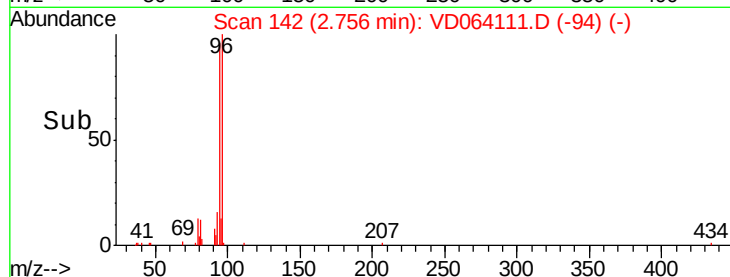
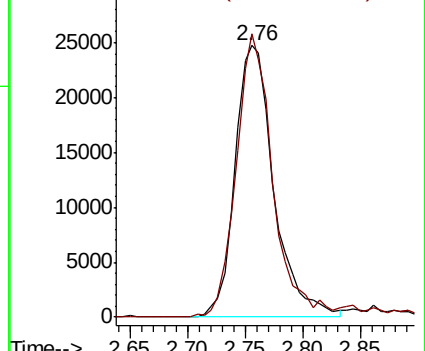
94 100

96 104.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.574 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064111.D

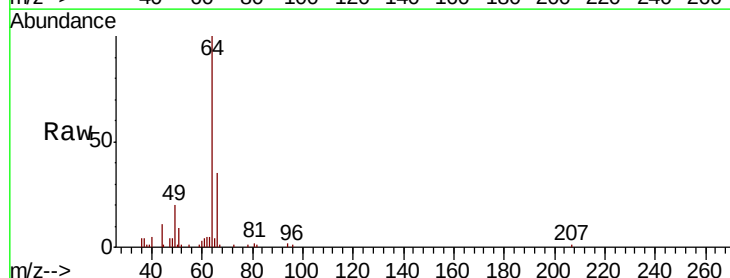
Acq: 30 Oct 2019 13:23

Tgt Ion: 64 Resp: 56559

Ion Ratio Lower Upper

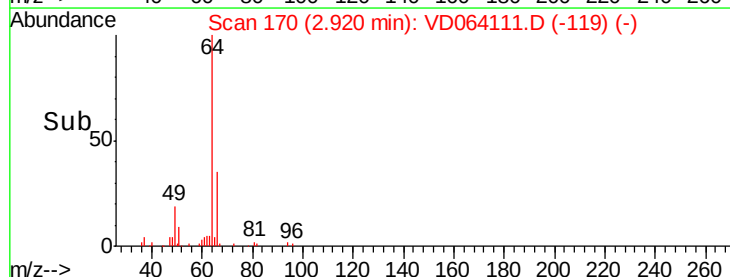
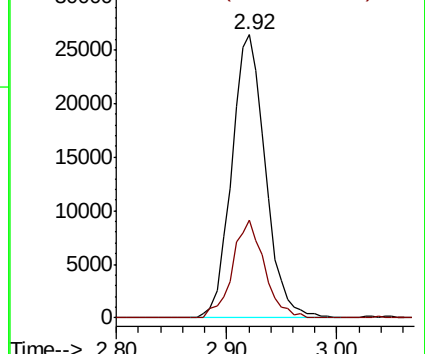
64 100

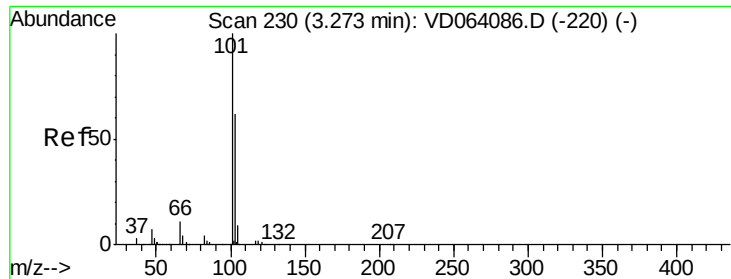
66 34.7 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



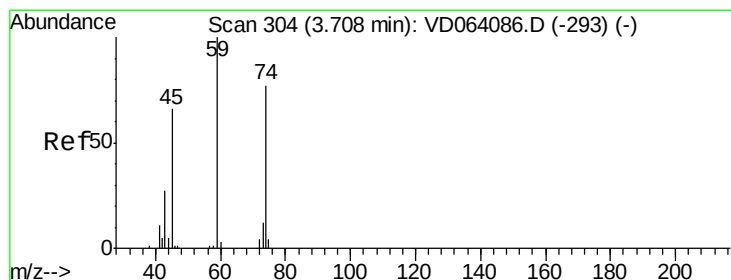
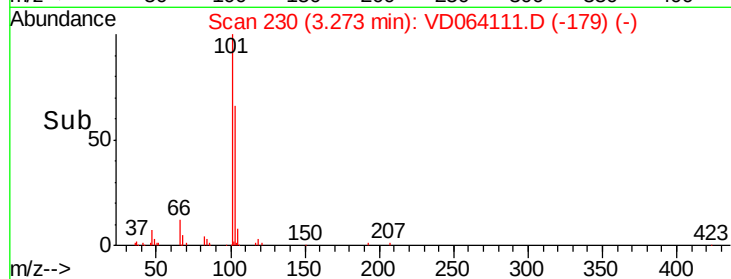
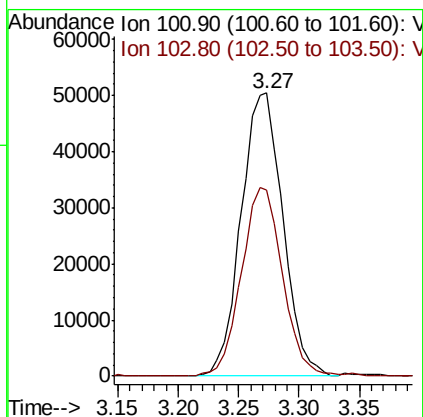
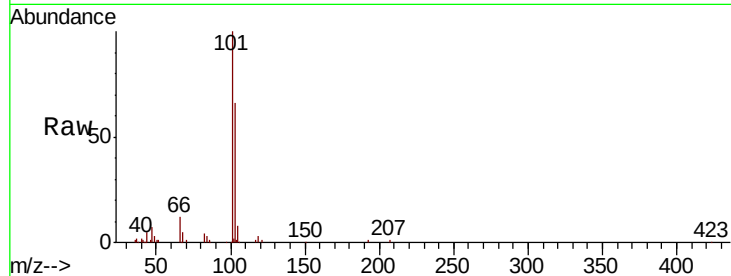


#7

Trichlorofluoromethane
Concen: 20.929 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampled :

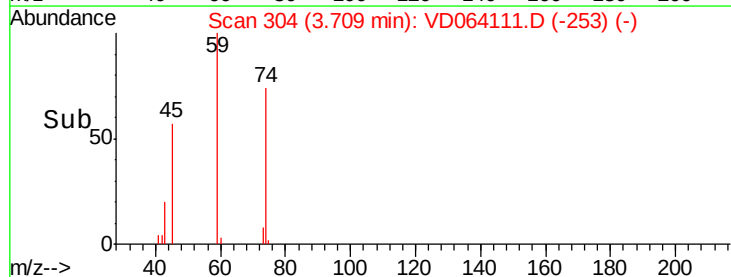
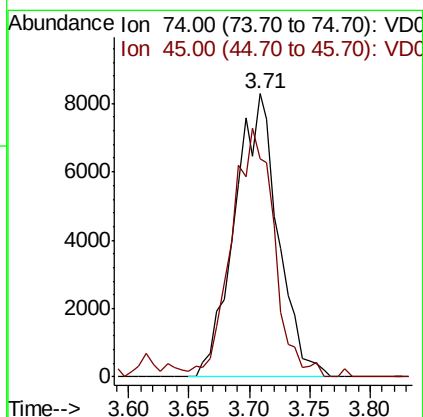
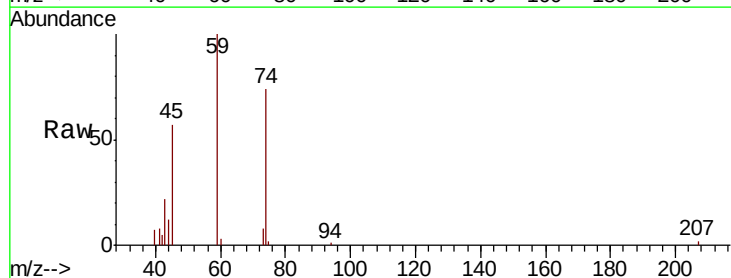
Tot Ion:101 Resp: 121605
Ion Ratio Lower Upper
101 100
103 65.7 49.6 74.4

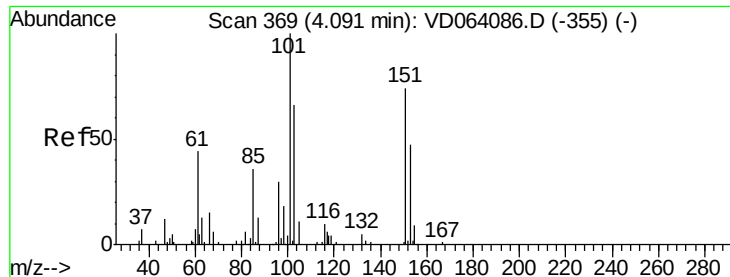


#8

Diethyl Ether
Concen: 20.653 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 74 Resp: 20859
Ion Ratio Lower Upper
74 100
45 85.4 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.512 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

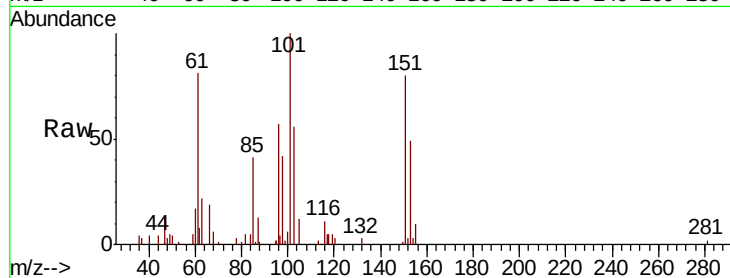
Tot Ion:101 Resp: 42951

Ion Ratio Lower Upper

101 100

85 43.6 35.3 52.9

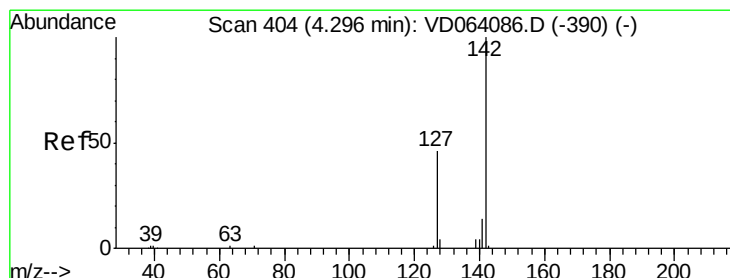
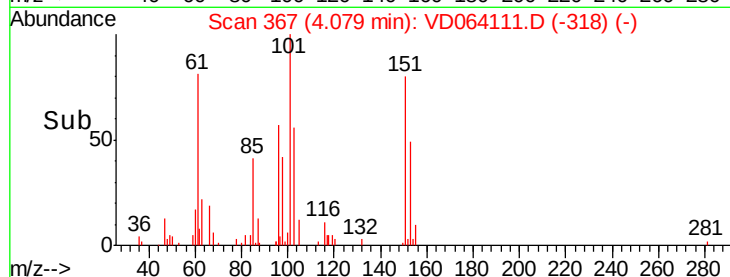
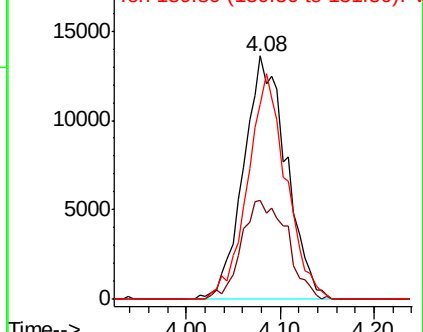
151 83.4 67.0 100.6



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: 19.650 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

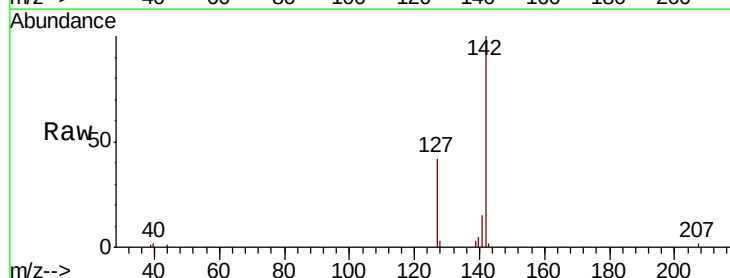
Tgt Ion:142 Resp: 50976

Ion Ratio Lower Upper

142 100

127 45.2 35.1 52.7

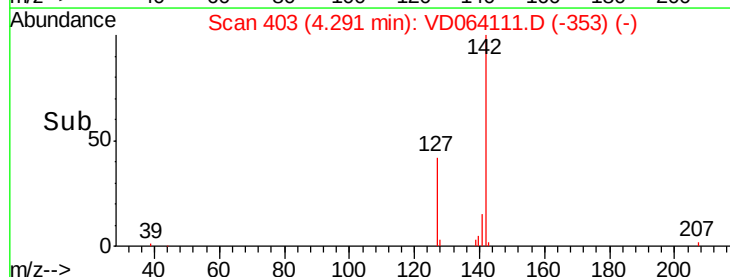
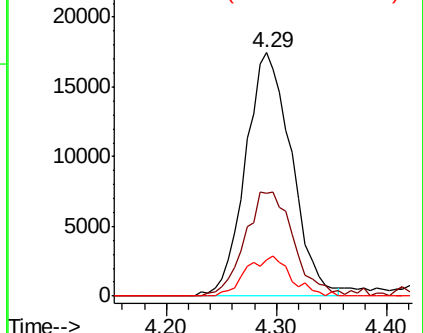
141 15.9 11.6 17.4

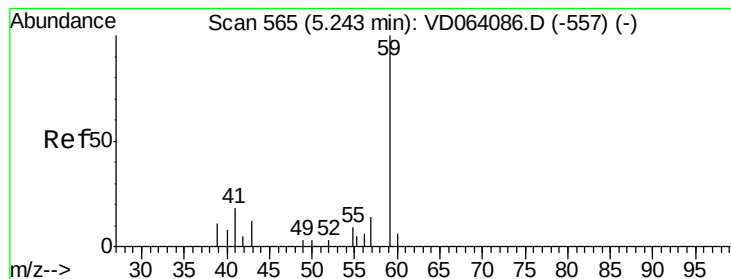


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



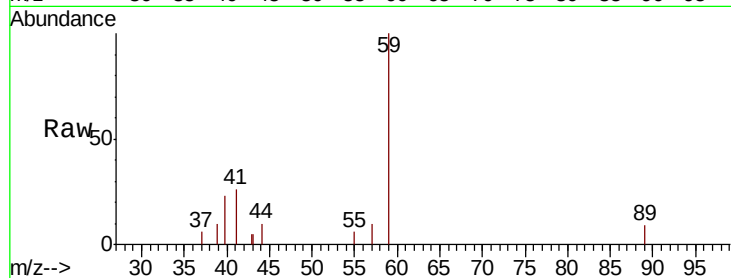


#11

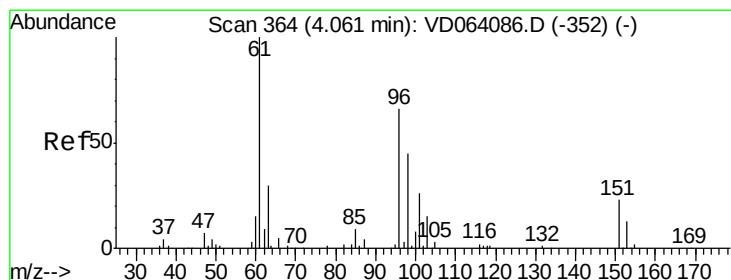
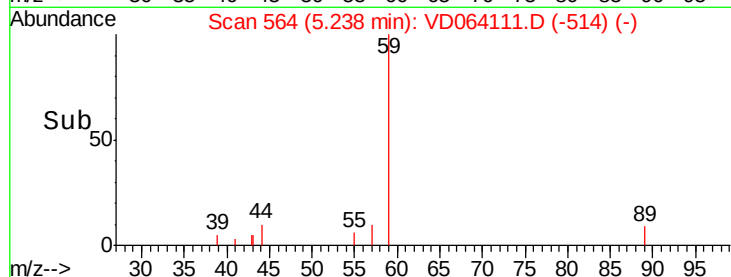
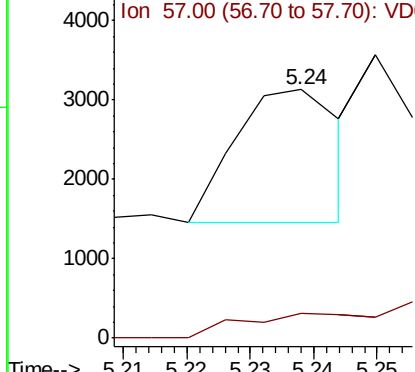
Tert butyl alcohol
Concen: 24.016 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 1911
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



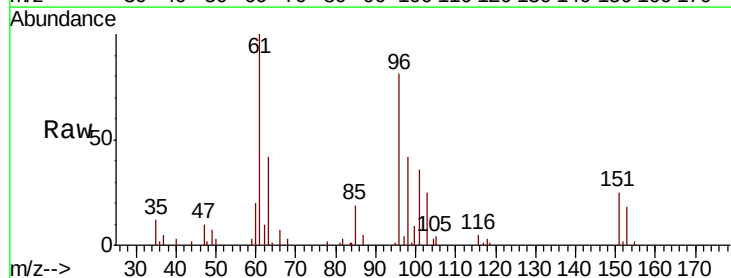
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



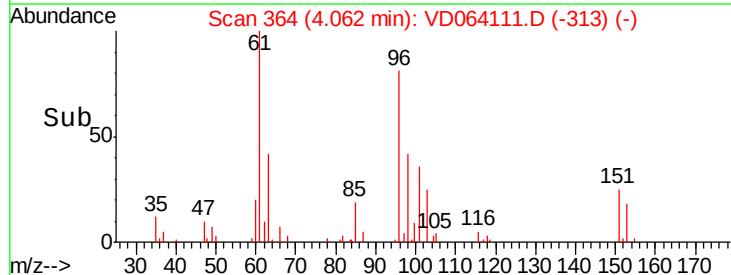
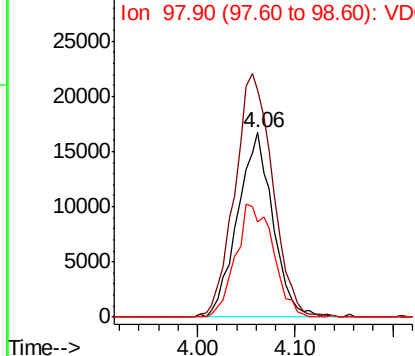
#12

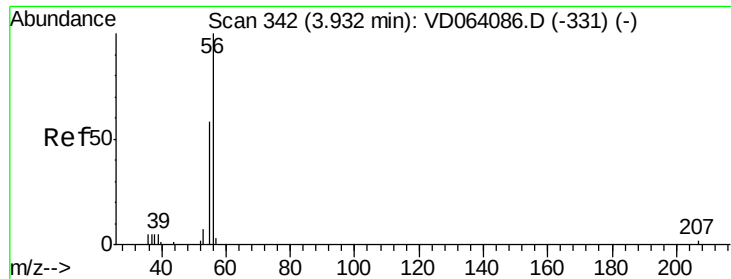
1,1-Dichloroethene
Concen: 21.294 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 96 Resp: 42199
Ion Ratio Lower Upper
96 100
61 123.2 121.8 182.6
98 51.8 55.4 83.0#



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: 92.067 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

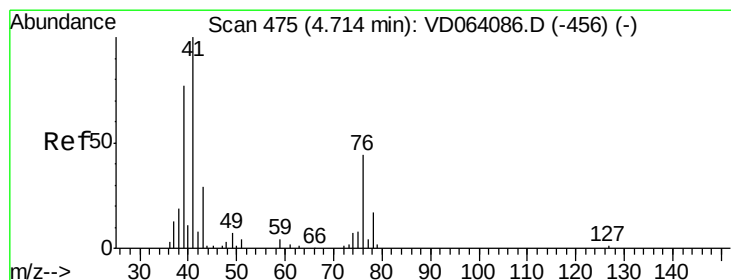
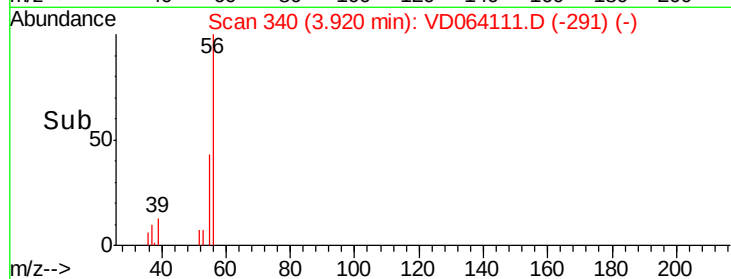
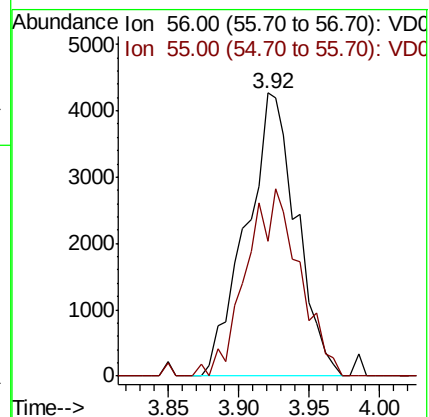
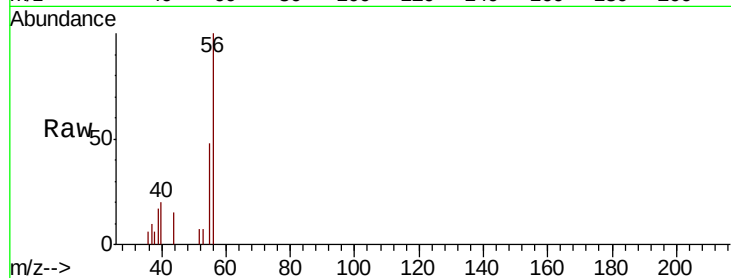
ClientSampleId :

Tot Ion: 56 Resp: 10666

Ion Ratio Lower Upper

56 100

55 69.5 53.8 80.6



#14

Allyl chloride

Concen: 20.428 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

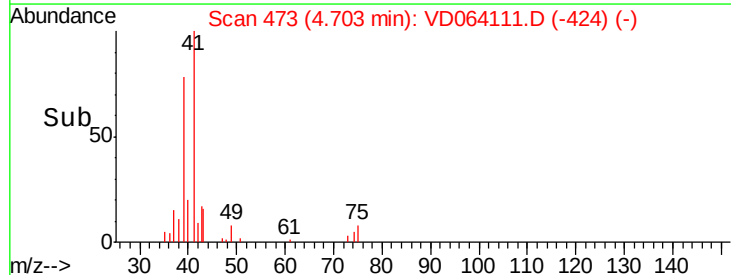
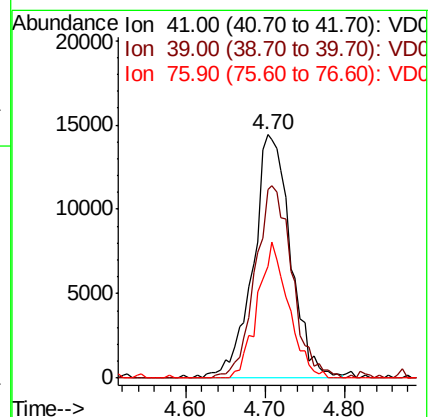
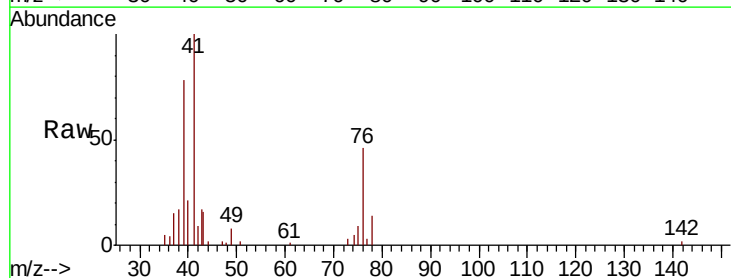
Tgt Ion: 41 Resp: 47382

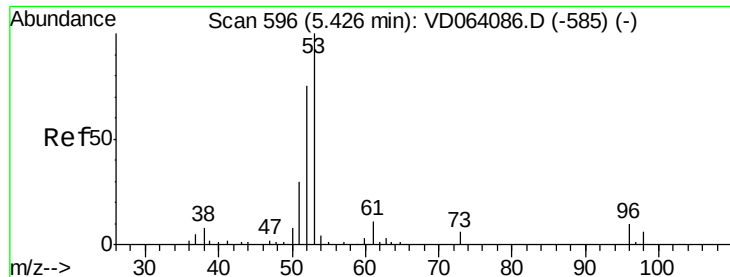
Ion Ratio Lower Upper

41 100

39 78.2 61.5 92.3

76 46.6 36.2 54.4





#15

Acrylonitrile

Concen: 104.843 ug/l

RT: 5.43 min Scan# 596

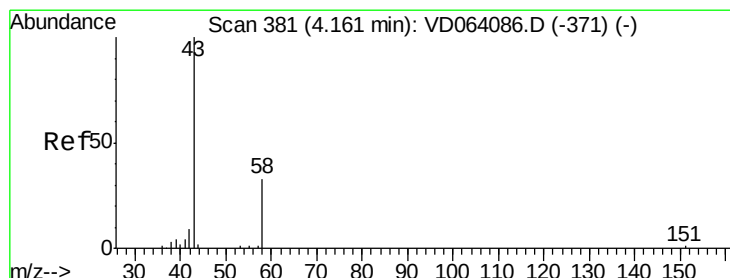
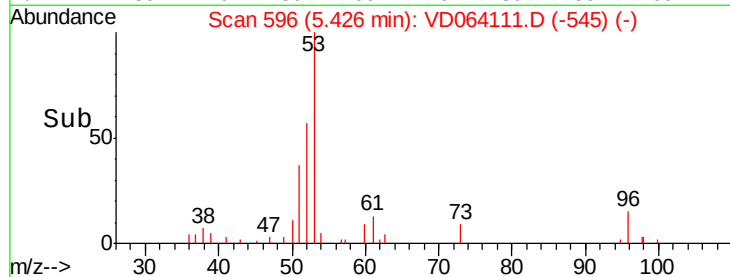
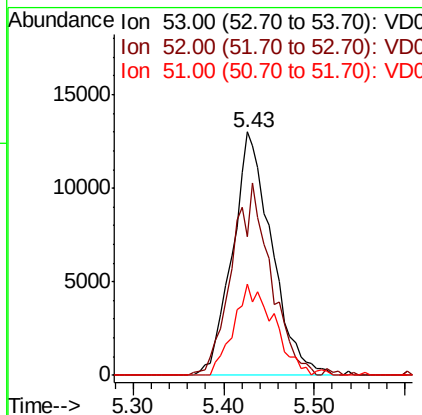
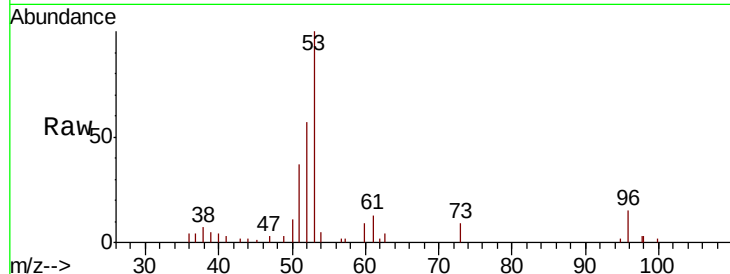
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	39114
Ion	Ratio	Lower	Upper
53	100		
52	78.7	66.2	99.4
51	38.1	29.0	43.6



#16

Acetone

Concen: 100.780 ug/l

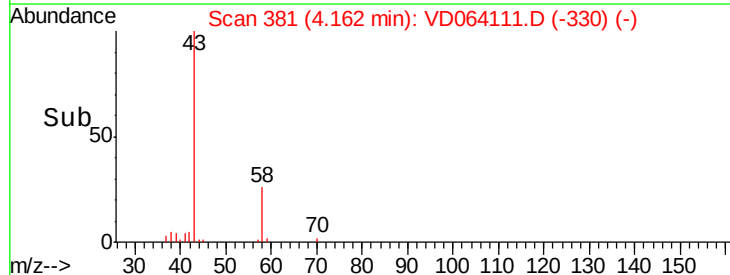
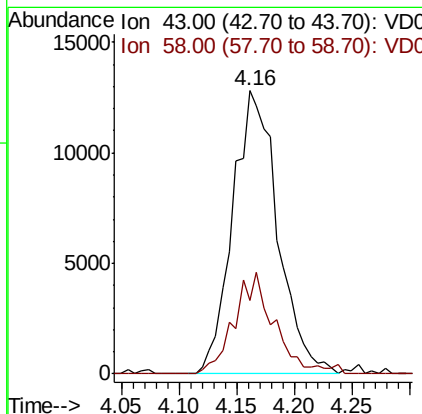
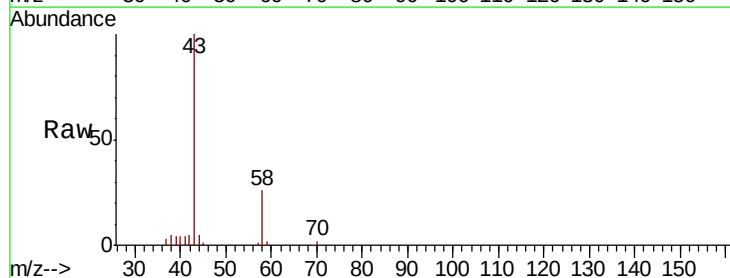
RT: 4.16 min Scan# 381

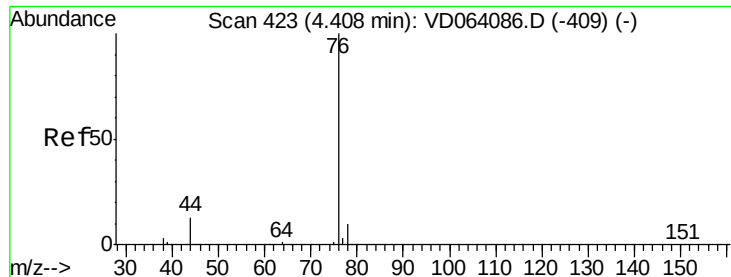
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion:	43	Resp:	34840
Ion	Ratio	Lower	Upper
43	100		
58	26.0	26.3	39.5#





#17

Carbon Disulfide

Concen: 20.788 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

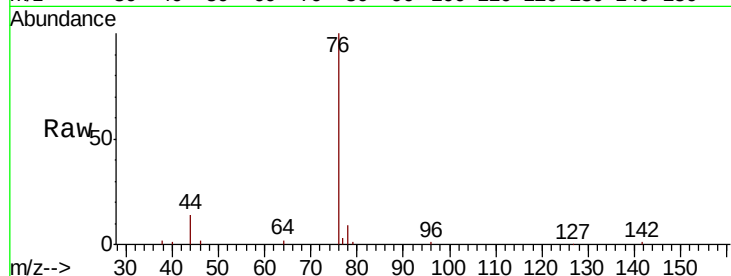
ClientSampleId :

Tot Ion: 76 Resp: 126601

Ion Ratio Lower Upper

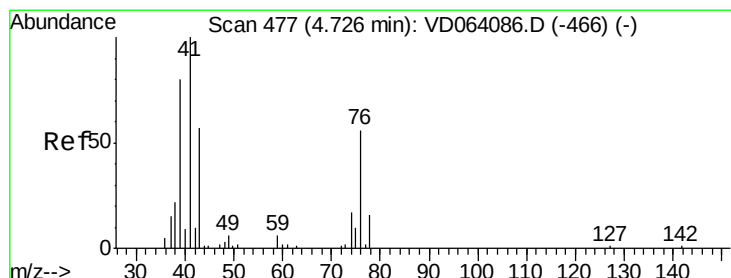
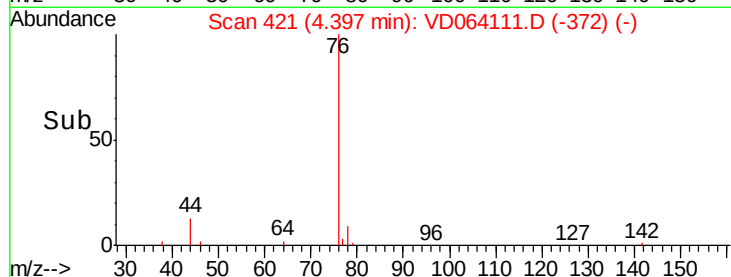
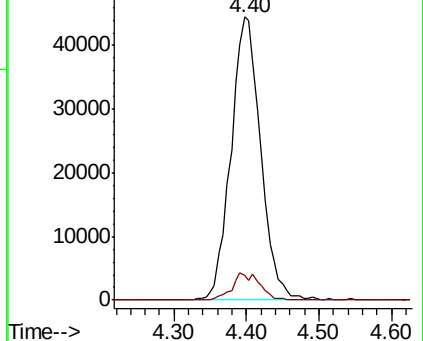
76 100

78 8.7 8.1 12.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.613 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064111.D

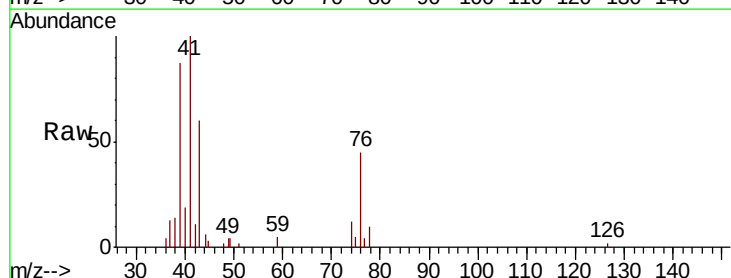
Acq: 30 Oct 2019 13:23

Tgt Ion: 43 Resp: 18955

Ion Ratio Lower Upper

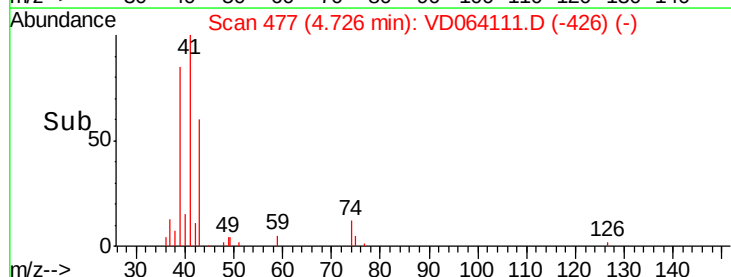
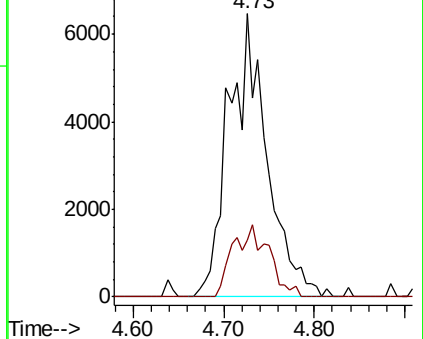
43 100

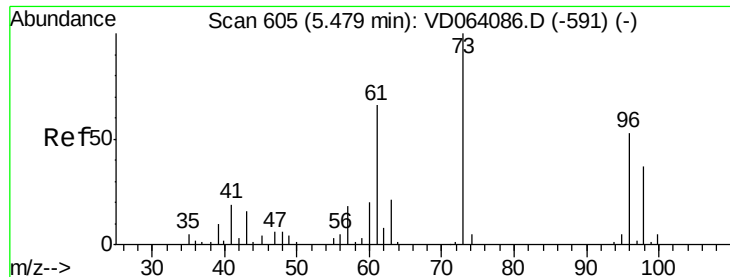
74 23.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

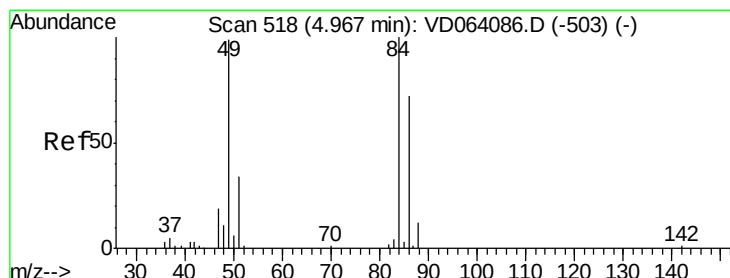
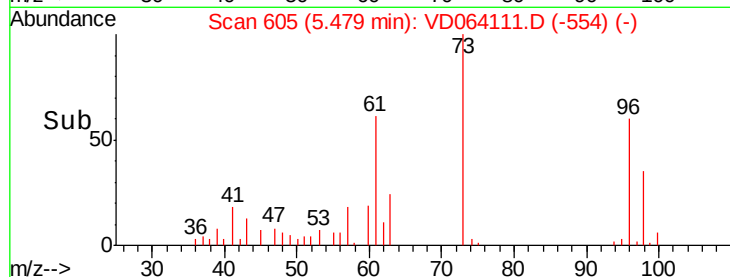
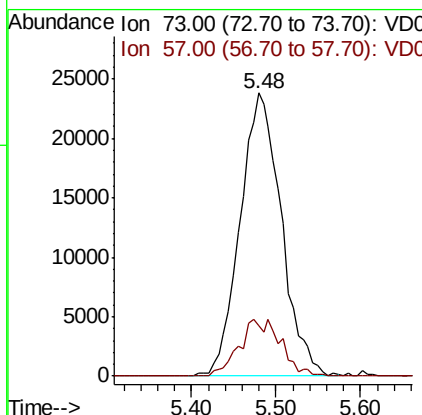
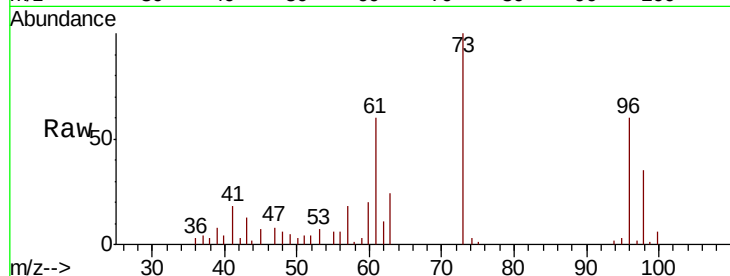




#19
Methyl tert-butyl Ether
Concen: 20.043 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

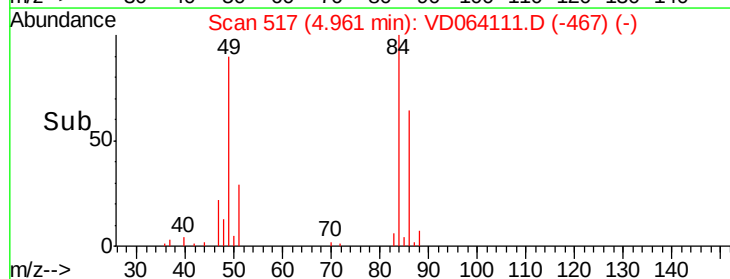
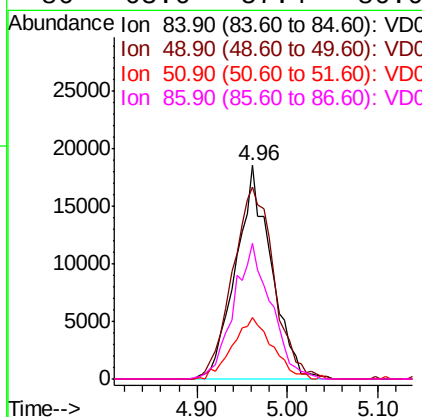
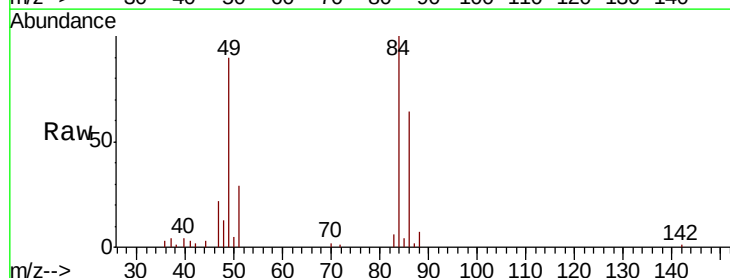
Instrument :
MSVOA_D
ClientSampleId :

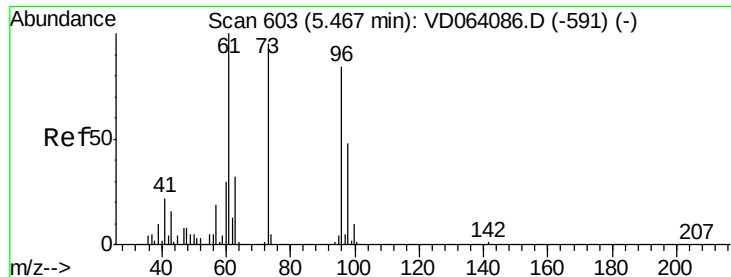
Tot Ion: 73 Resp: 80601
Ion Ratio Lower Upper
73 100
57 17.8 14.3 21.5



#20
Methylene Chloride
Concen: 20.463 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 84 Resp: 50511
Ion Ratio Lower Upper
84 100
49 89.6 79.4 119.0
51 28.7 27.4 41.2
86 63.6 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 21.636 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

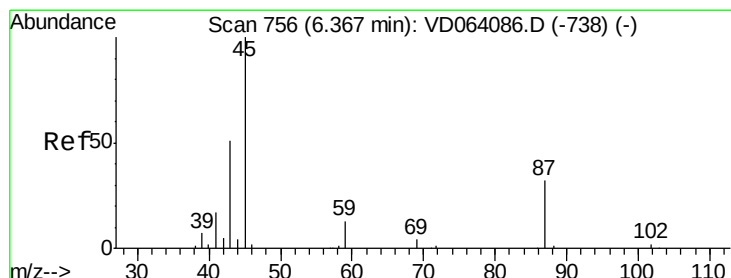
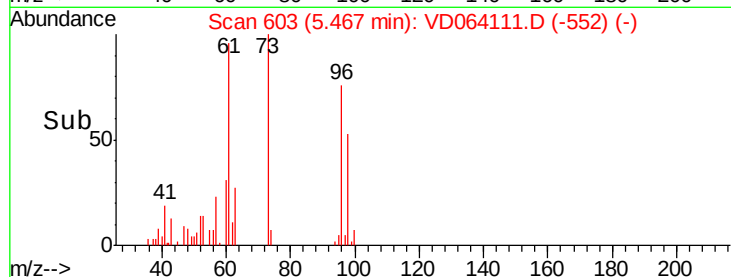
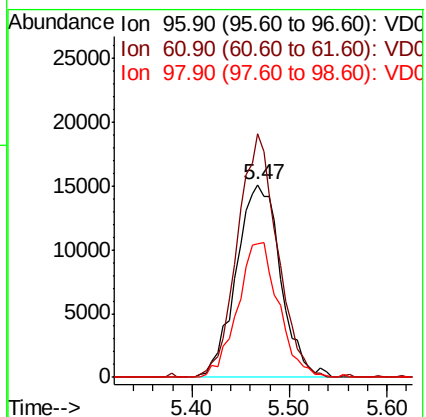
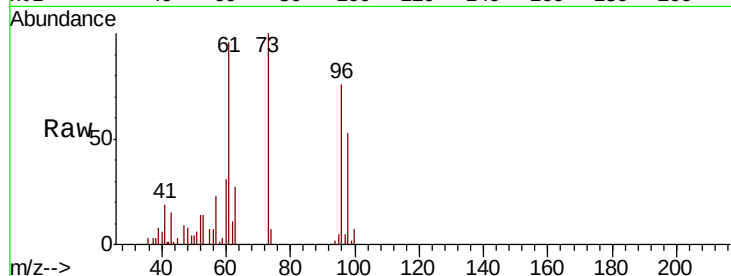
Tot Ion: 96 Resp: 48131

Ion Ratio Lower Upper

96 100

61 126.2 95.0 142.6

98 69.1 45.8 68.8#



#22

Diisopropyl ether

Concen: 19.570 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion: 45 Resp: 100531

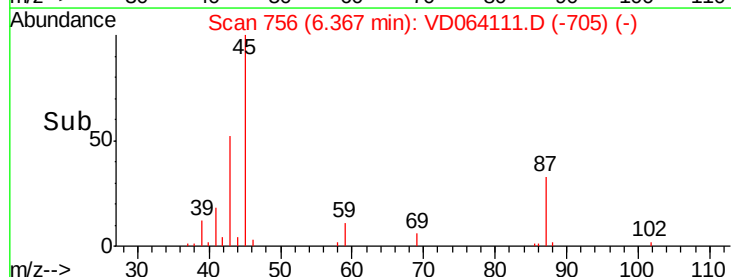
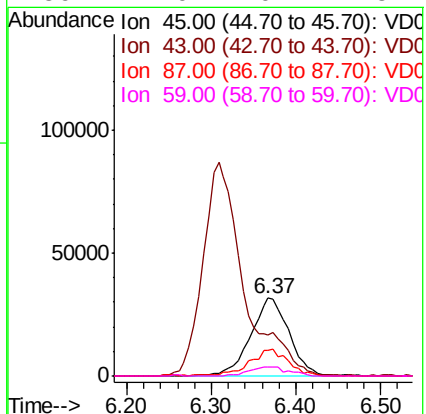
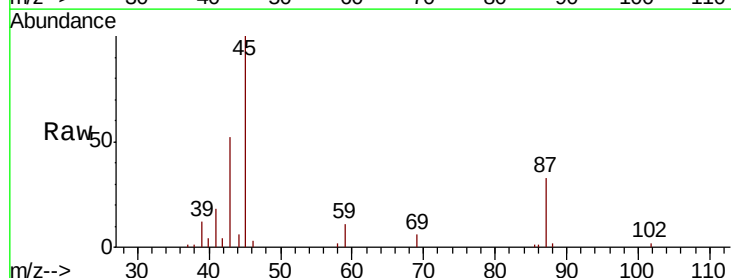
Ion Ratio Lower Upper

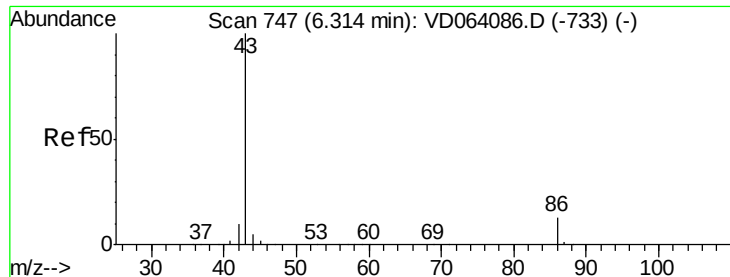
45 100

43 50.5 44.3 66.5

87 32.4 26.6 39.8

59 11.0 10.2 15.2





#23

Vinyl Acetate

Concen: 104.324 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

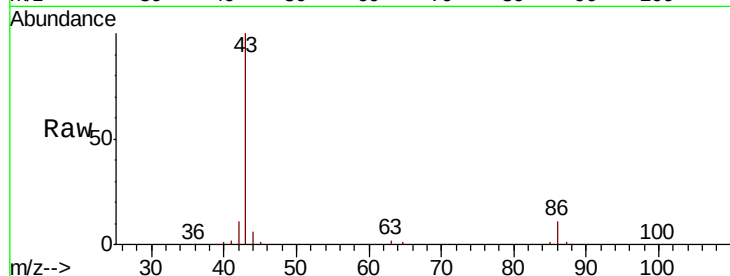
ClientSampleId :

Tot Ion: 43 Resp: 293756

Ion Ratio Lower Upper

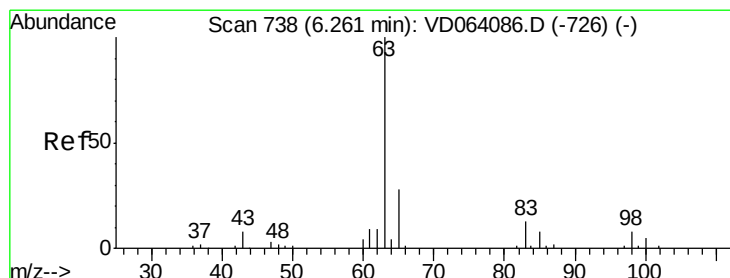
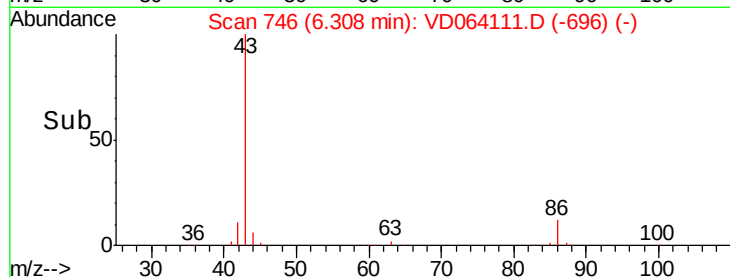
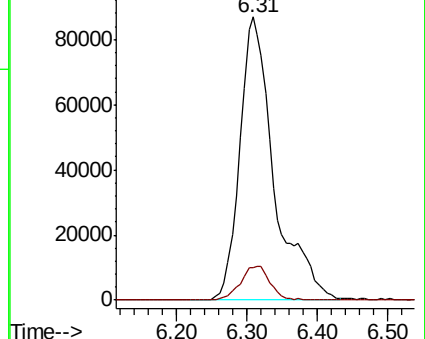
43 100

86 11.5 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.296 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

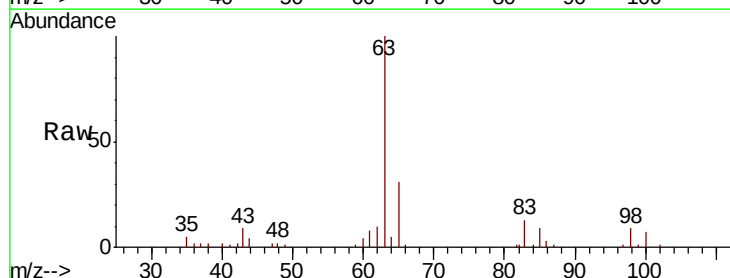
Tgt Ion: 63 Resp: 66937

Ion Ratio Lower Upper

63 100

98 9.4 4.0 11.9

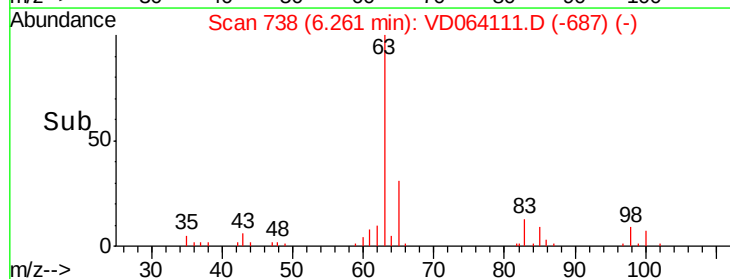
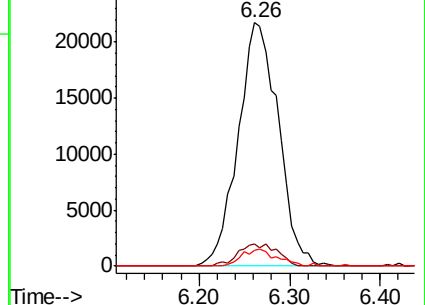
100 6.5 2.6 7.8

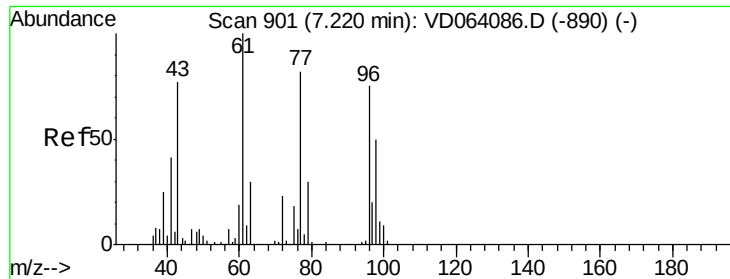


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.661 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

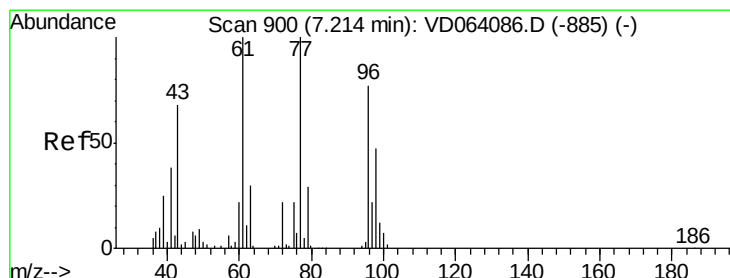
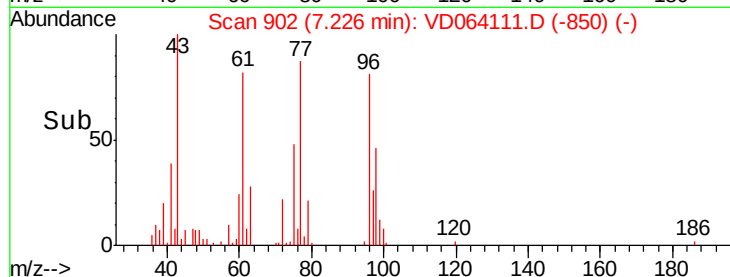
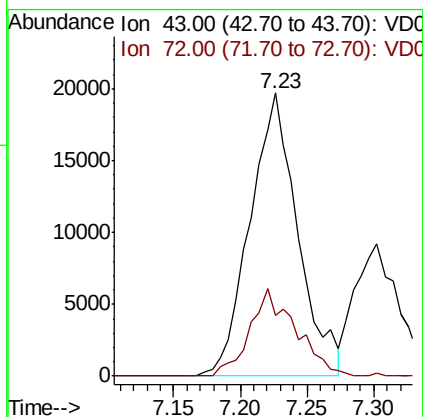
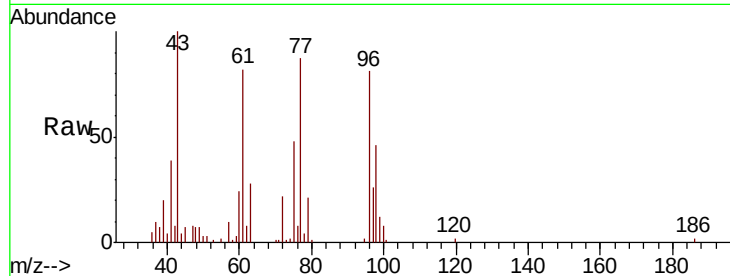
ClientSampled :

Tot Ion: 43 Resp: 49064

Ion Ratio Lower Upper

43 100

72 21.7 23.4 35.0#



#26

2,2-Dichloropropane

Concen: 18.886 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064111.D

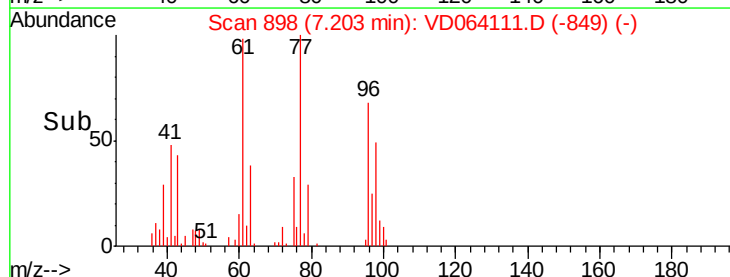
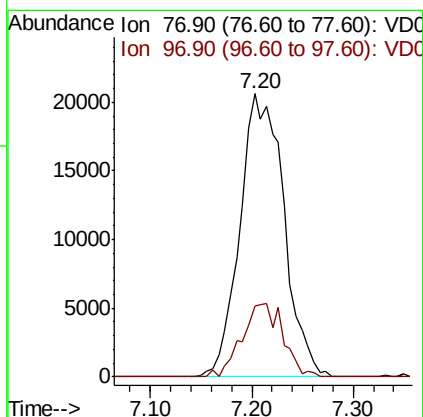
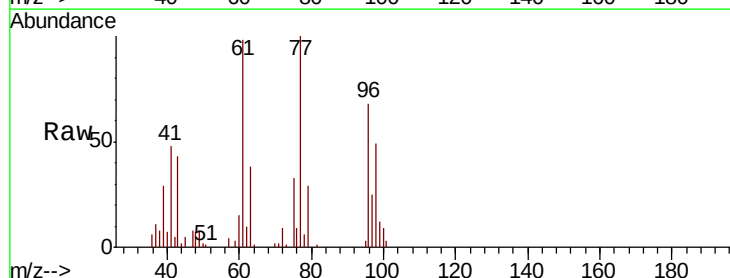
Acq: 30 Oct 2019 13:23

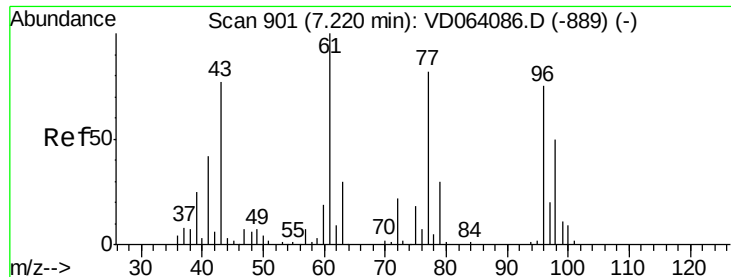
Tgt Ion: 77 Resp: 62179

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.5



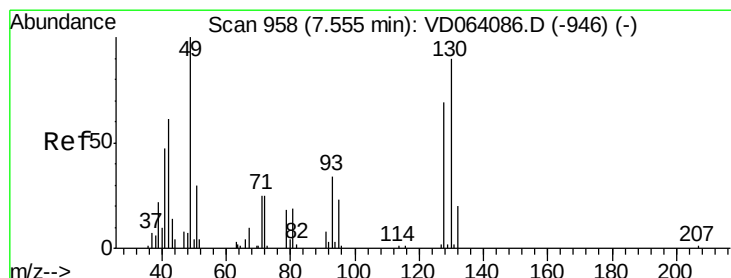
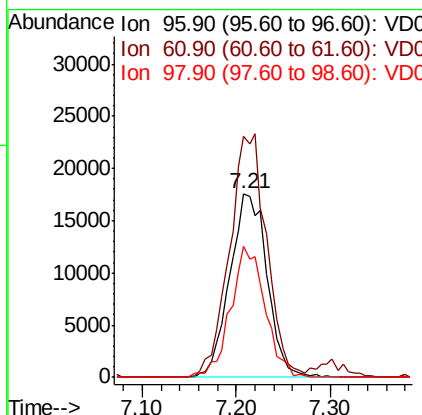
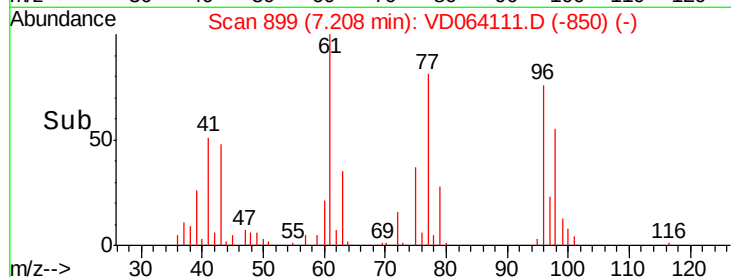
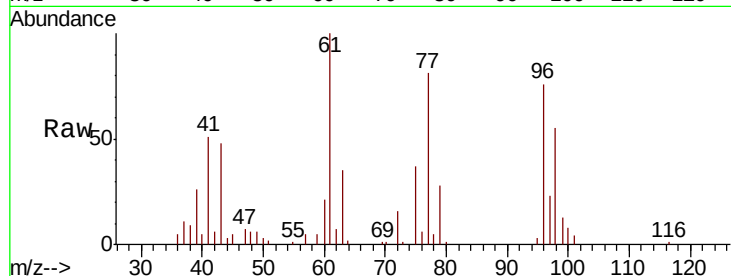


#27

cis-1,2-Dichloroethene
Concen: 19.355 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :

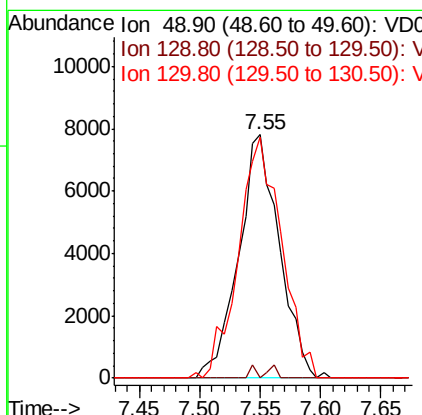
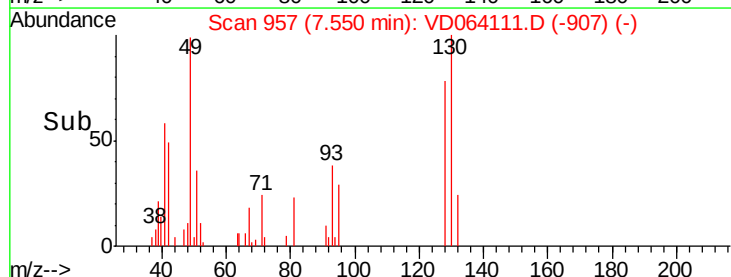
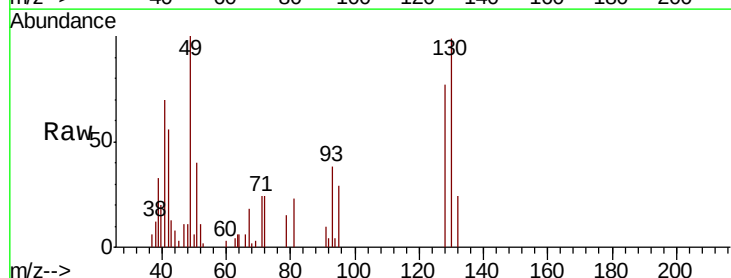
Tot Ion: 96 Resp: 48181
Ion Ratio Lower Upper
96 100
61 133.0 0.0 258.0
98 66.3 0.0 130.8

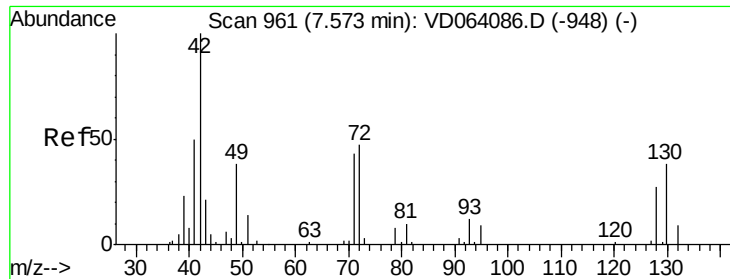


#28

Bromochloromethane
Concen: 15.168 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 49 Resp: 18290
Ion Ratio Lower Upper
49 100
129 0.8 0.0 5.4
130 104.8 75.3 112.9

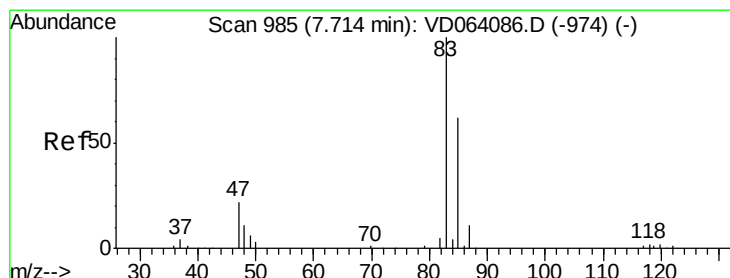
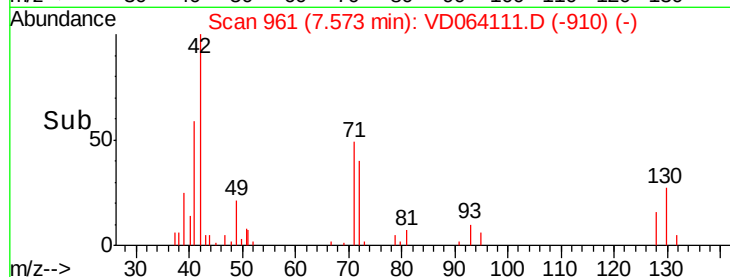
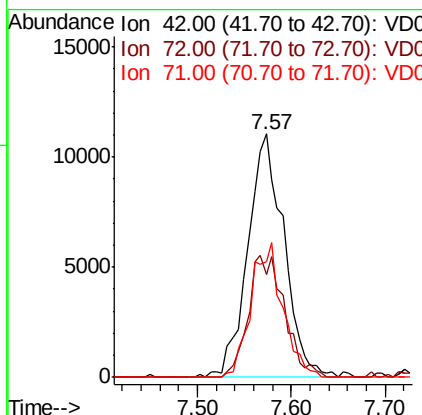
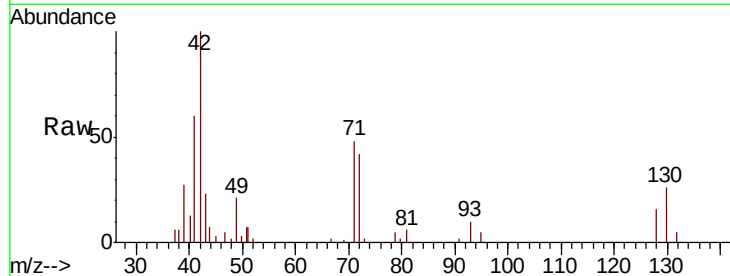




#29
Tetrahydrofuran
Concen: 105.301 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

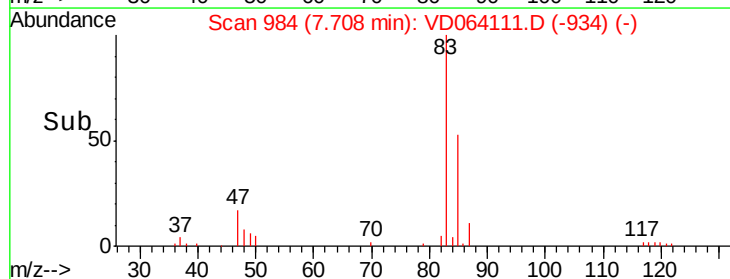
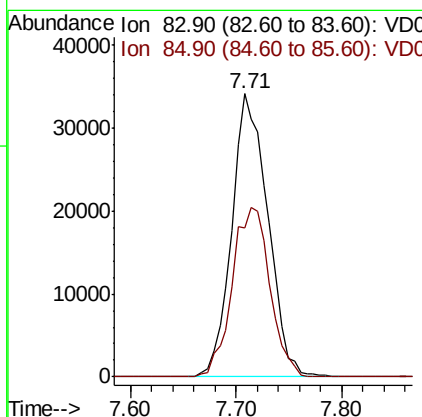
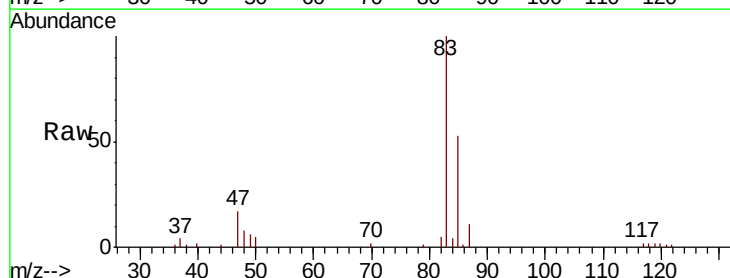
Instrument :
MSVOA_D
ClientSampled :

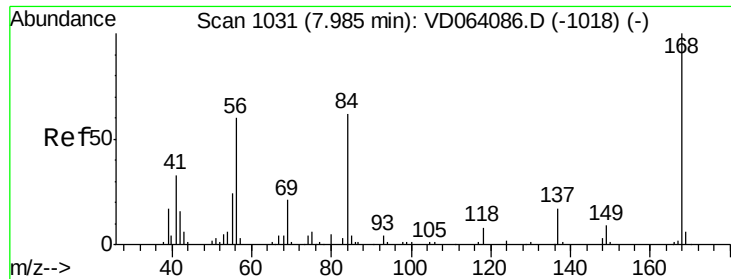
Tot Ion: 42 Resp: 29371
Ion Ratio Lower Upper
42 100
72 50.2 38.9 58.3
71 48.8 35.4 53.2



#30
Chloroform
Concen: 20.274 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 83 Resp: 80475
Ion Ratio Lower Upper
83 100
85 52.8 49.8 74.6

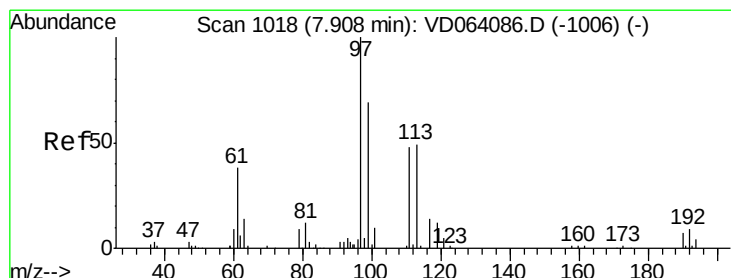
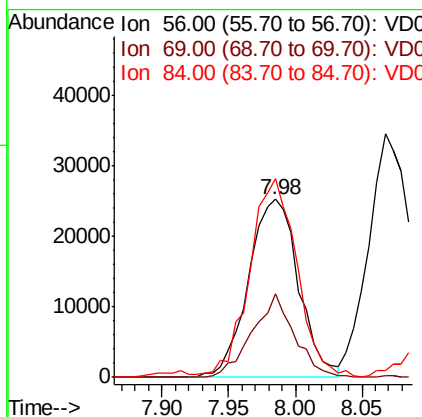
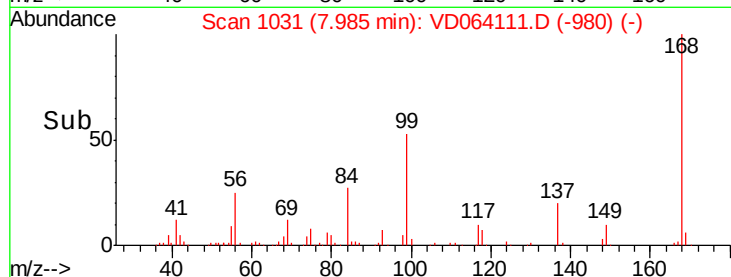
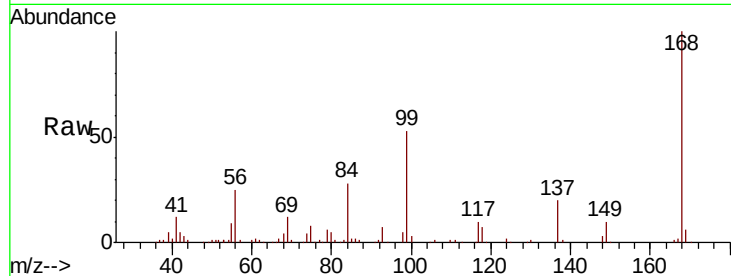




#31
Cyclohexane
Concen: 19.463 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

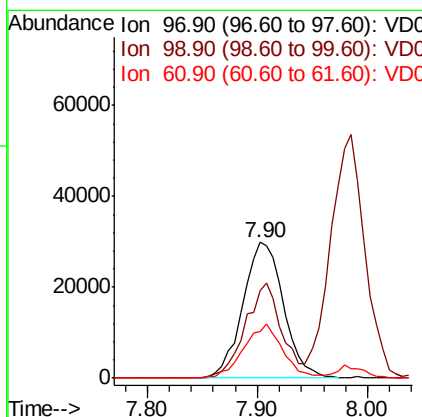
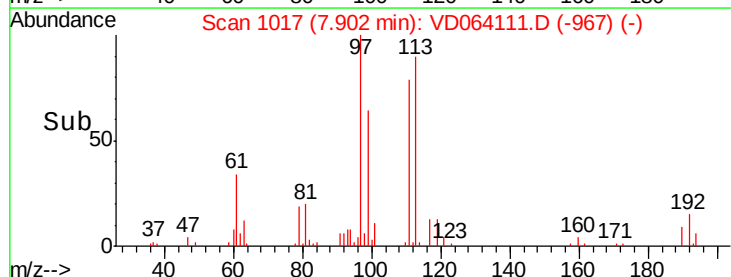
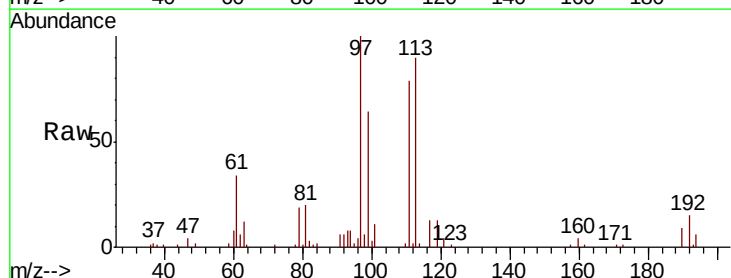
Instrument :
MSVOA_D
ClientSampled :

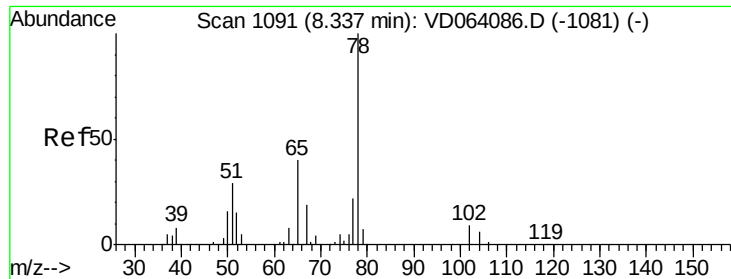
Tot Ion: 56 Resp: 65776
Ion Ratio Lower Upper
56 100
69 46.9 27.7 41.5#
84 109.7 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 20.979 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 97 Resp: 77518
Ion Ratio Lower Upper
97 100
99 63.2 53.7 80.5
61 37.8 31.8 47.6

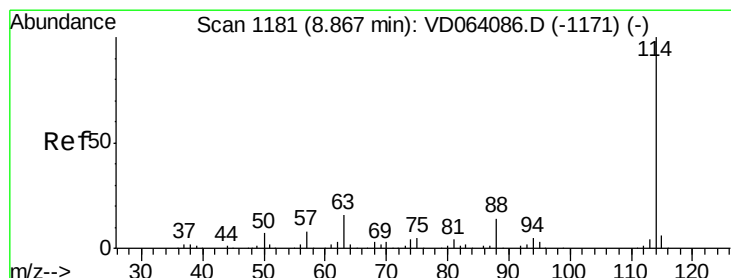
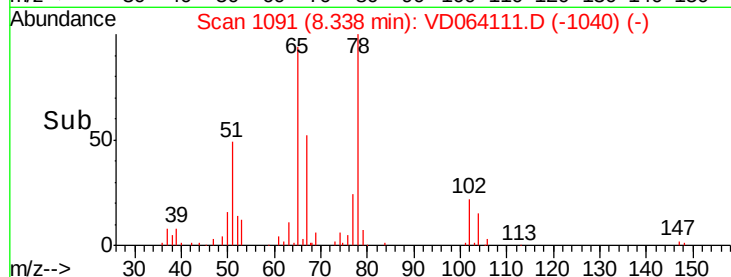
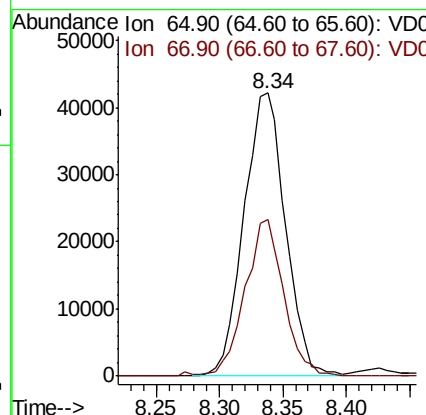
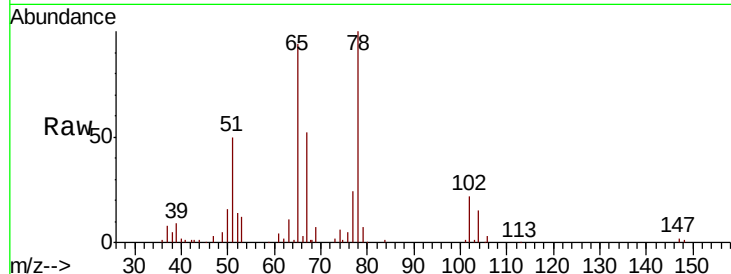




#33
 1,2-Dichloroethane-d4
 Concen: 52.743 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

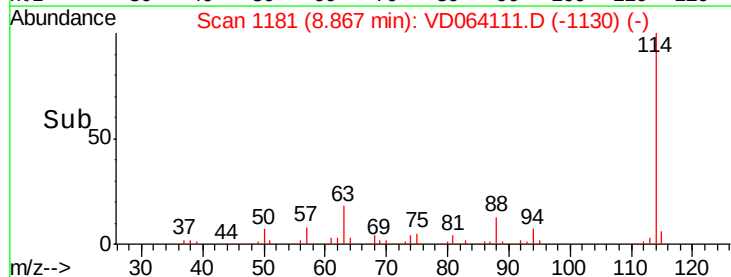
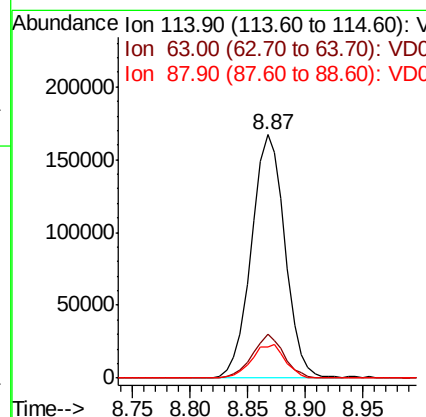
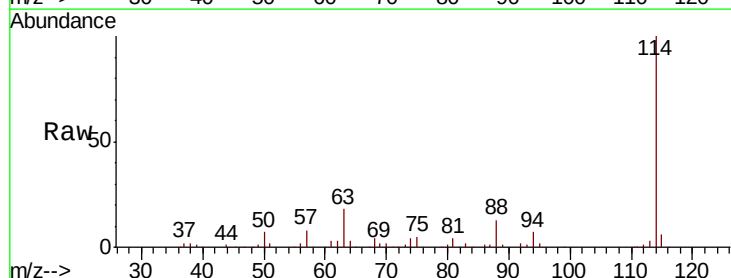
Instrument :
 MSVOA_D
 ClientSampleId :

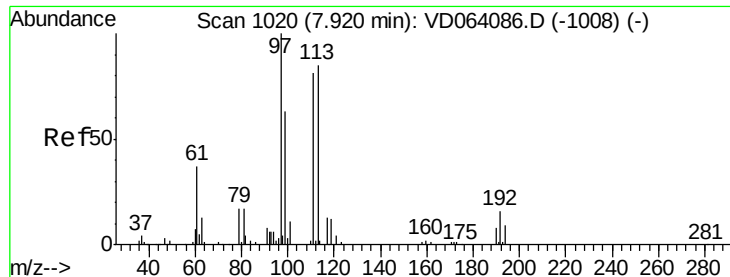
Tot Ion: 65 Resp: 95831
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion: 114 Resp: 339145
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 32.8
 88 13.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.687 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :

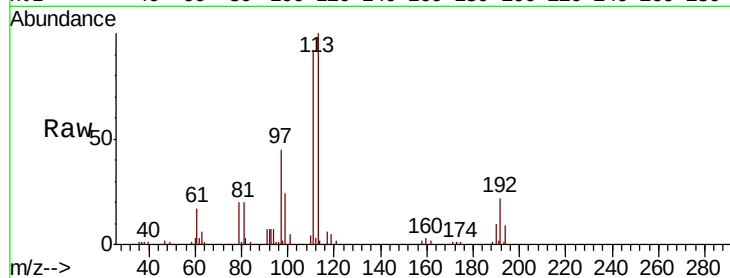
Tot Ion:113 Resp: 105760

Ion Ratio Lower Upper

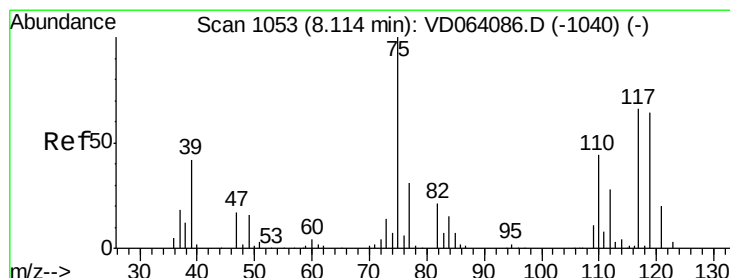
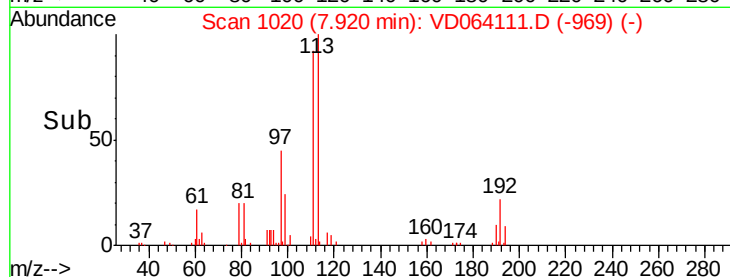
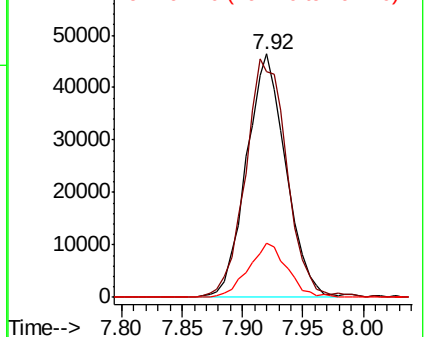
113 100

111 103.2 79.3 118.9

192 21.8 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.526 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

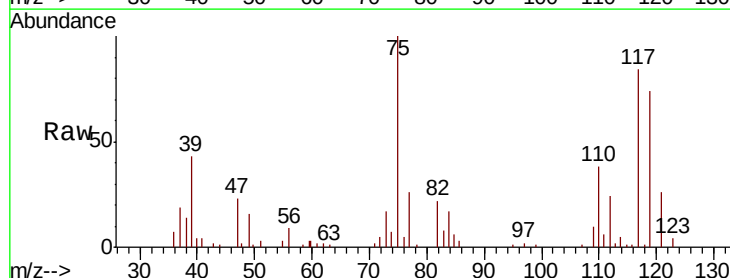
Tgt Ion: 75 Resp: 62051

Ion Ratio Lower Upper

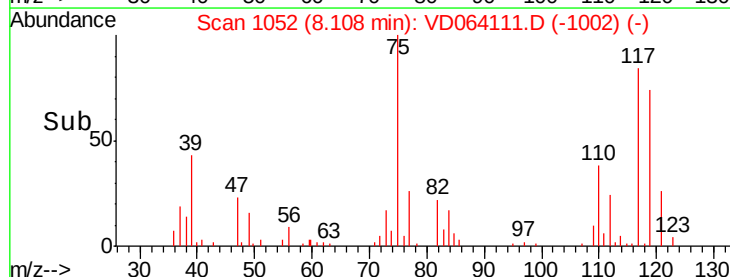
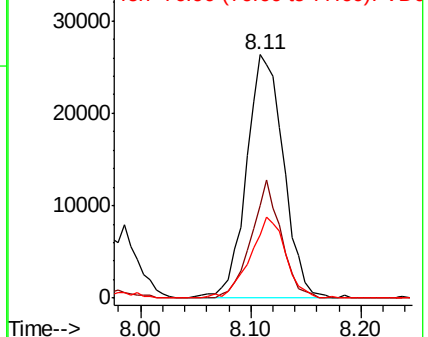
75 100

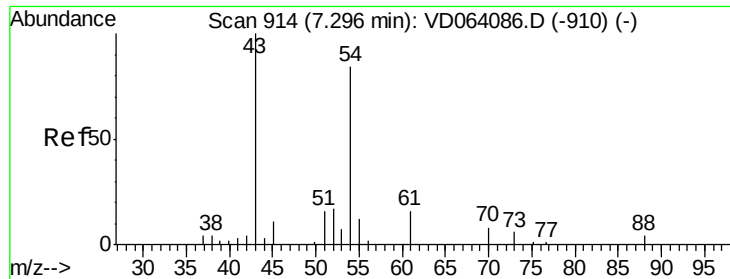
110 39.0 20.0 59.9

77 31.6 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

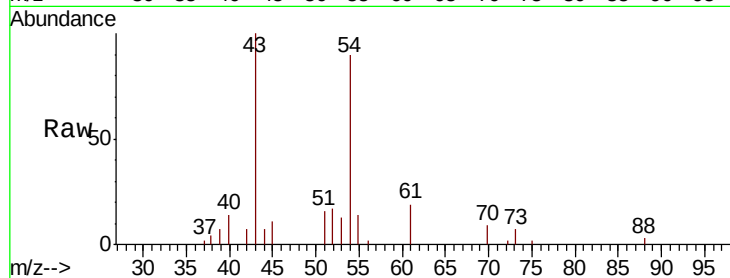




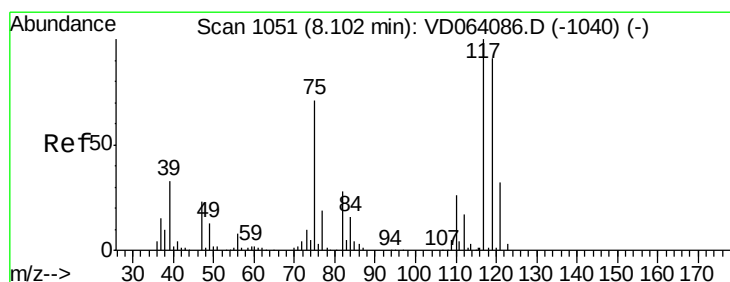
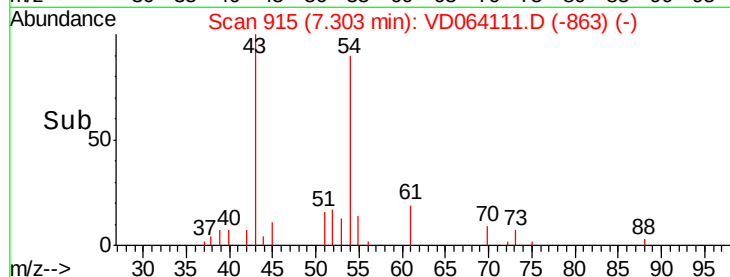
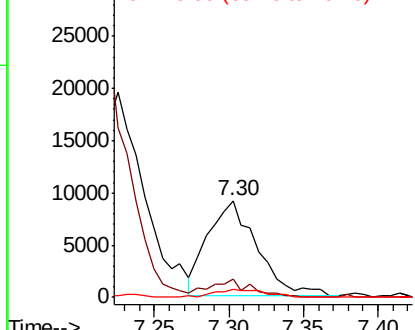
#37
Ethyl Acetate
Concen: 21.439 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 20971
Ion Ratio Lower Upper
43 100
61 16.3 12.0 18.0
70 8.6 3.8 5.6#

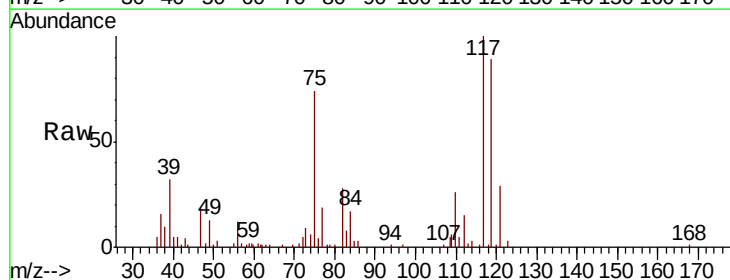


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

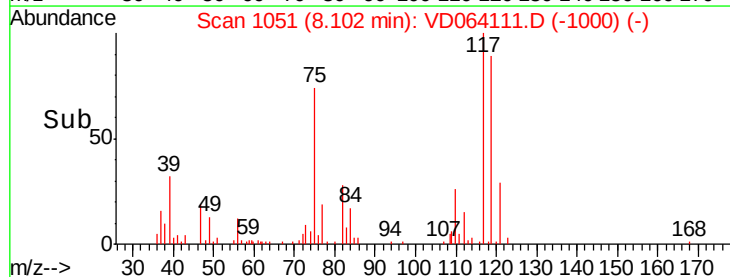
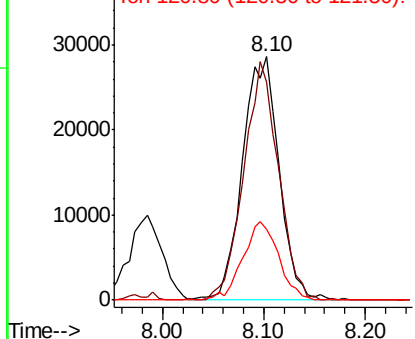


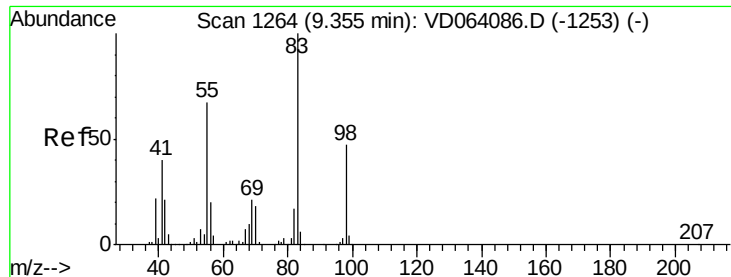
#38
Carbon Tetrachloride
Concen: 20.598 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 117 Resp: 71419
Ion Ratio Lower Upper
117 100
119 89.3 72.6 108.8
121 29.0 25.8 38.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

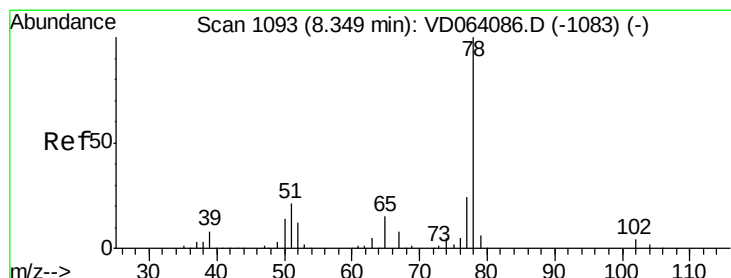
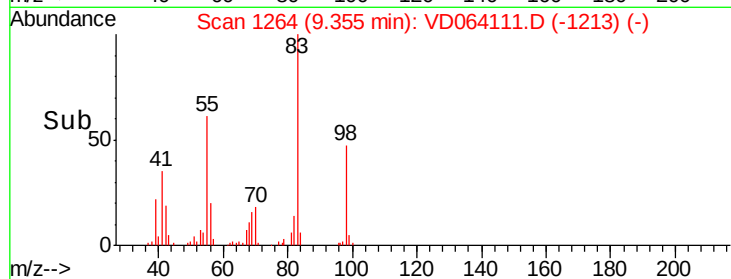
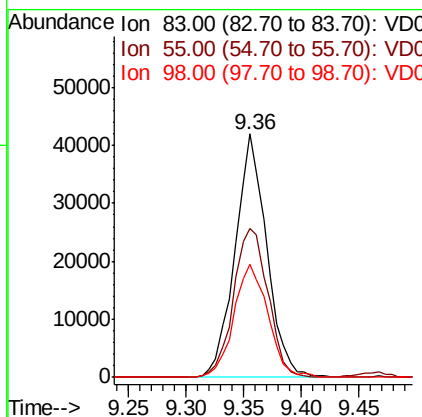
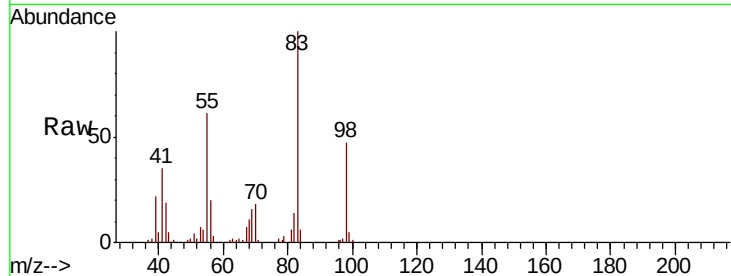




#39
Methylvlcyclohexane
Concen: 20.512 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

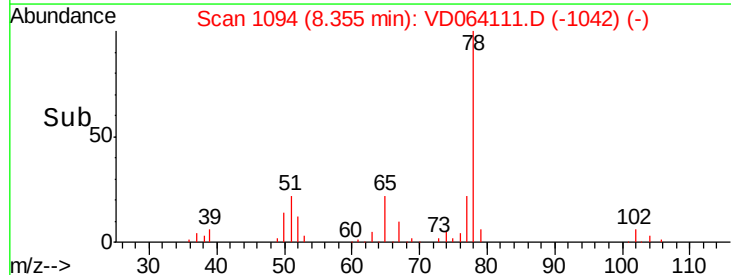
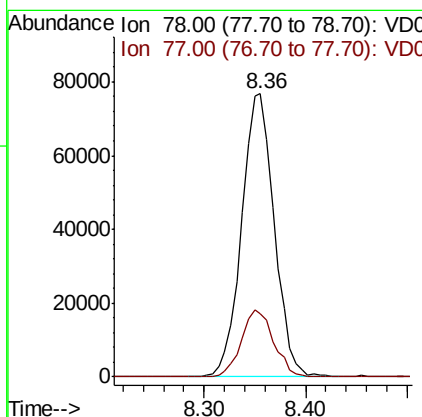
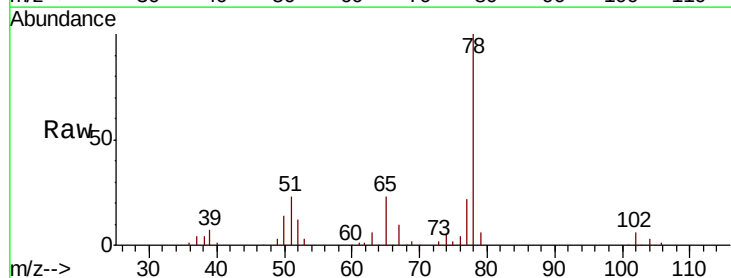
Instrument :
MSVOA_D
ClientSampled :

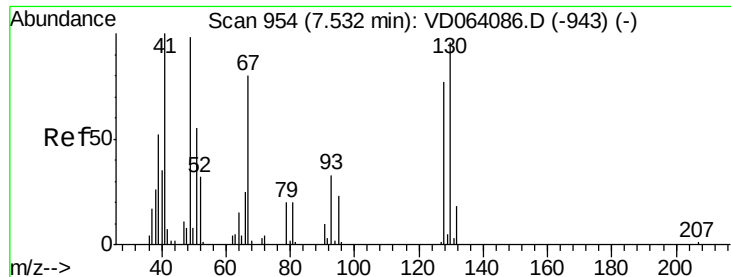
Tot Ion: 83 Resp: 80020
Ion Ratio Lower Upper
83 100
55 61.0 53.4 80.0
98 46.5 37.8 56.6



#40
Benzene
Concen: 19.754 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 78 Resp: 171188
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.4

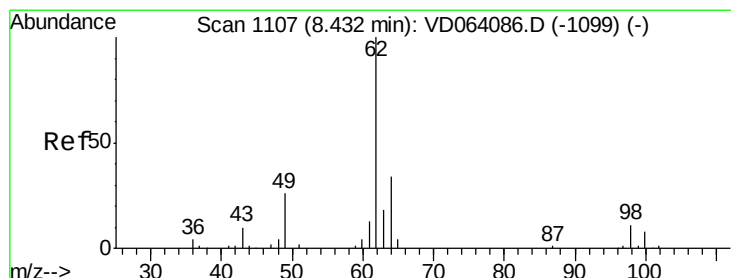
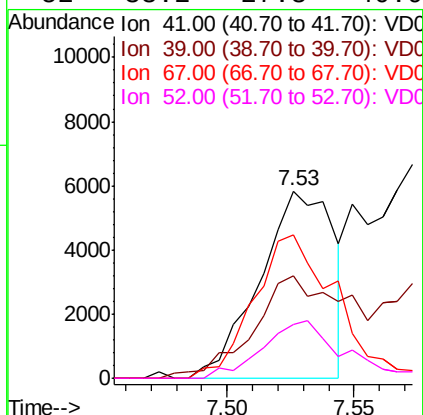
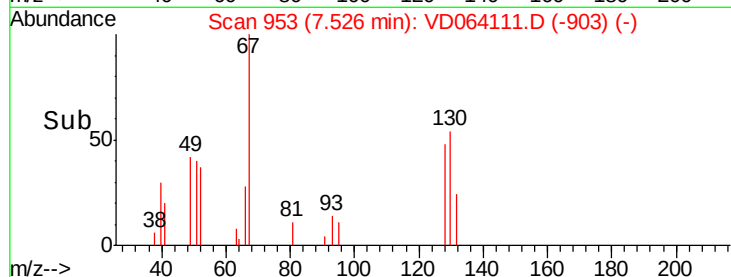
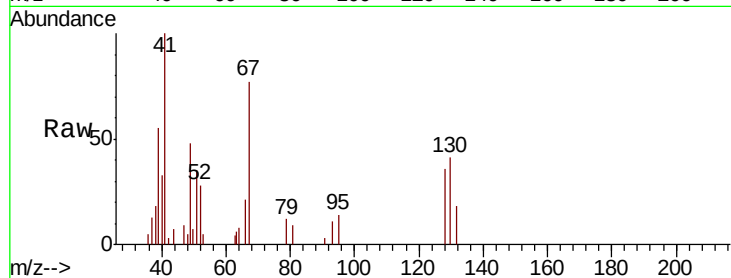




#41
Methacrylonitrile
Concen: 21.076 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

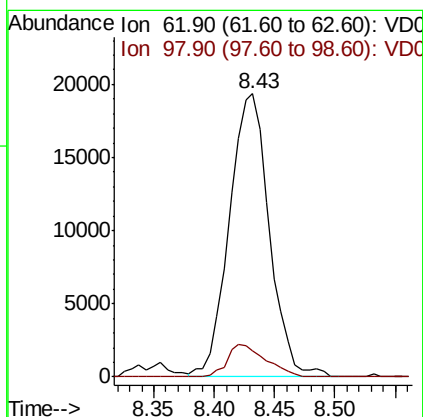
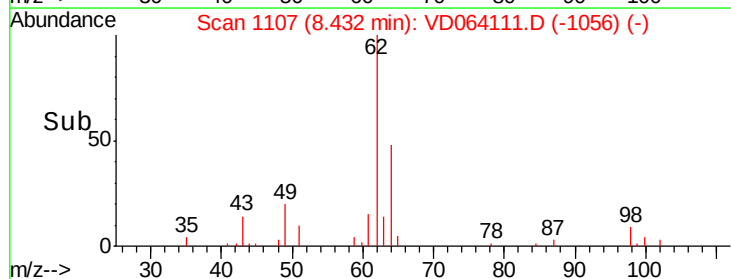
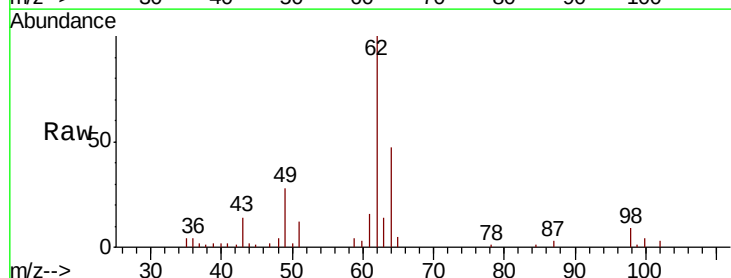
Instrument :
MSVOA_D
ClientSampleId :

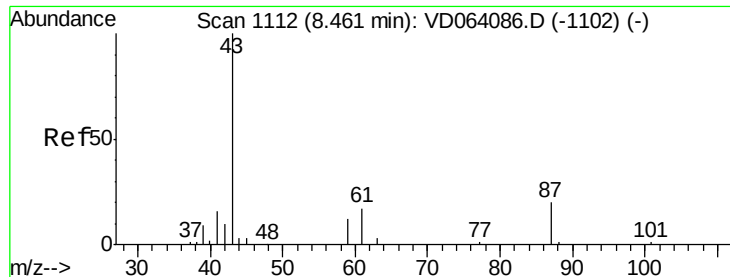
Tot Ion: 41 Resp: 11897
Ion Ratio Lower Upper
41 100
39 69.8 41.0 61.4#
67 84.8 73.4 110.0
52 33.2 27.3 40.9



#42
1,2-Dichloroethane
Concen: 19.528 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 62 Resp: 44702
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.209 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampled :

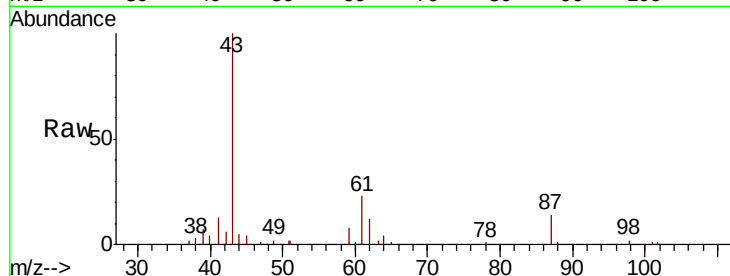
Tot Ion: 43 Resp: 39949

Ion Ratio Lower Upper

43 100

61 33.3 25.8 38.8

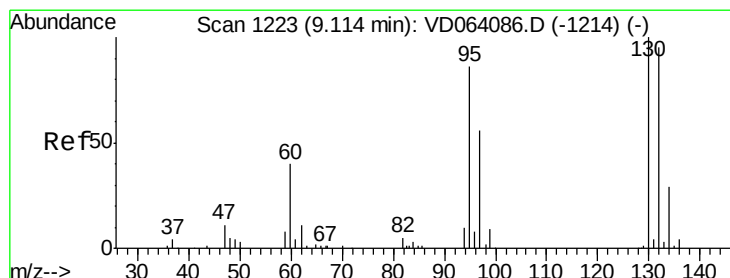
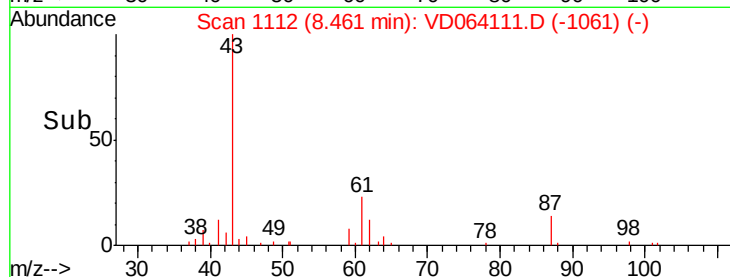
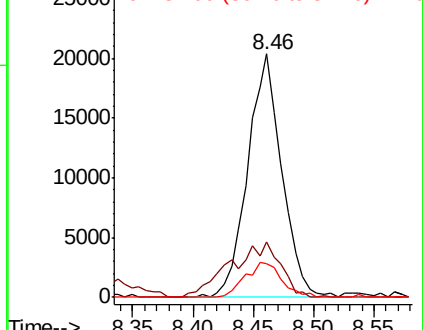
87 15.5 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.791 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064111.D

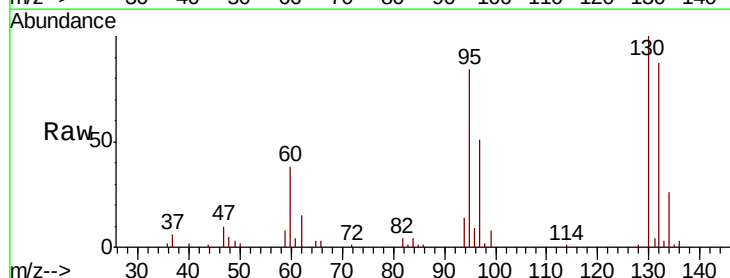
Acq: 30 Oct 2019 13:23

Tgt Ion:130 Resp: 51982

Ion Ratio Lower Upper

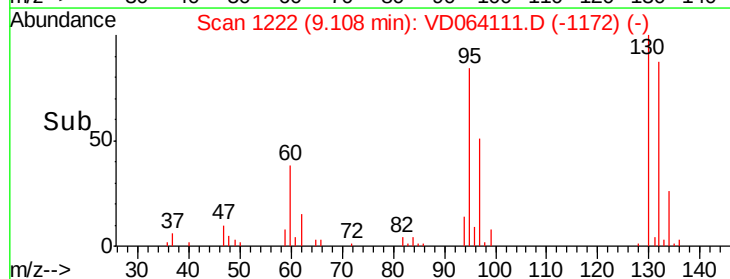
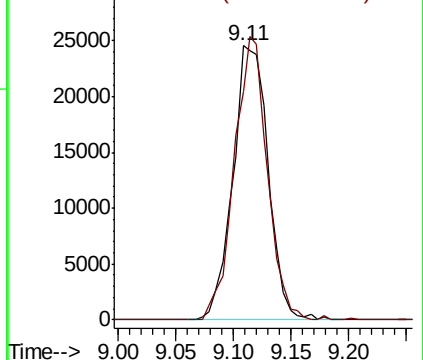
130 100

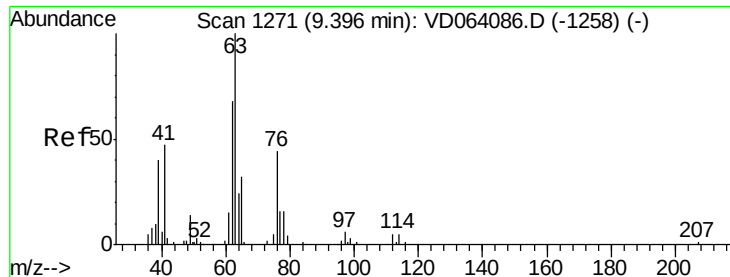
95 83.5 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.483 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

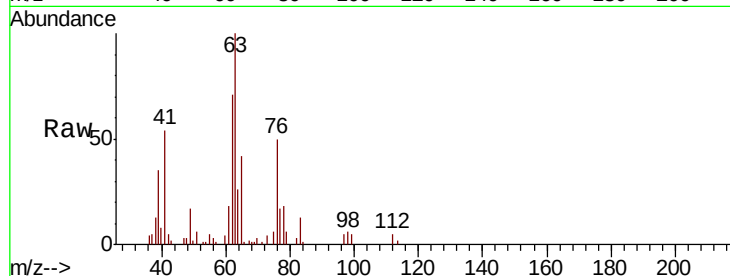
ClientSampleId :

Tot Ion: 63 Resp: 39128

Ion Ratio Lower Upper

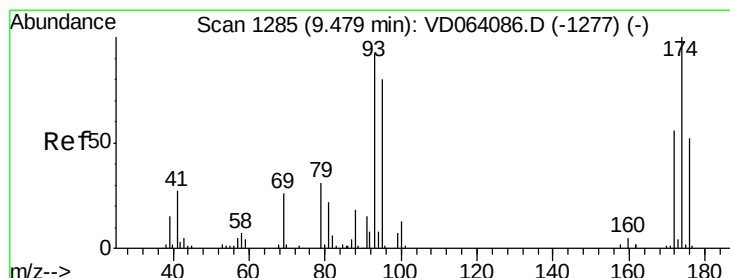
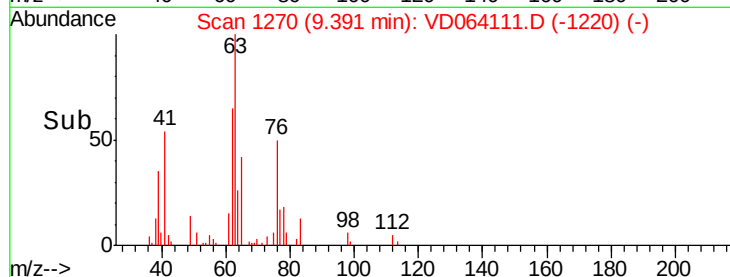
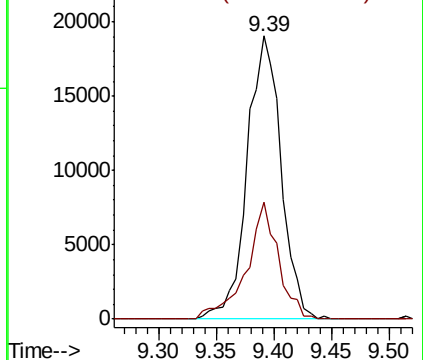
63 100

65 41.5 25.8 38.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.810 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

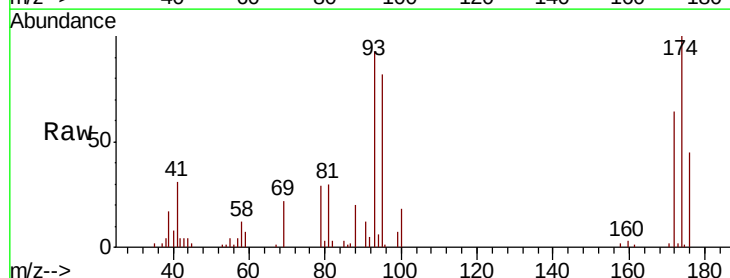
Tgt Ion: 93 Resp: 23961

Ion Ratio Lower Upper

93 100

95 81.5 67.4 101.2

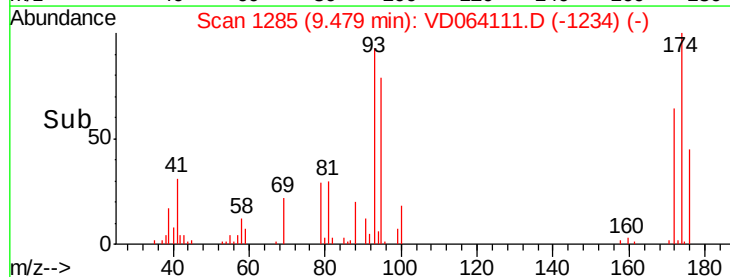
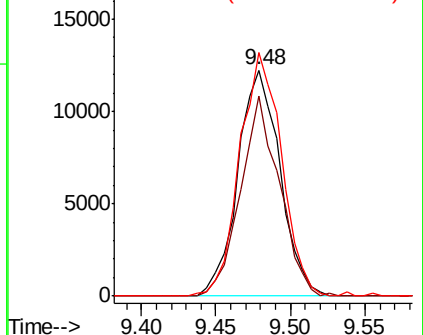
174 107.1 86.4 129.6

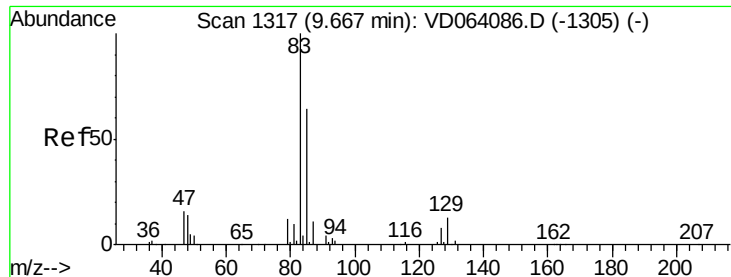


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.970 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

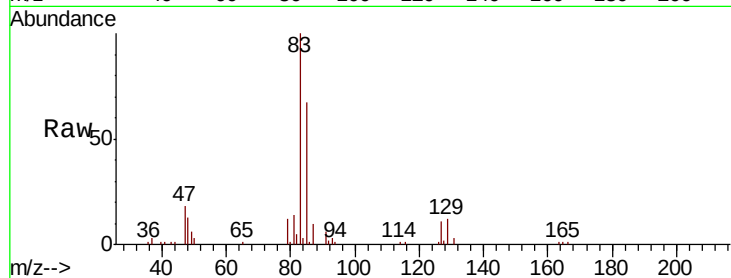
Tot Ion: 83 Resp: 60938

Ion Ratio Lower Upper

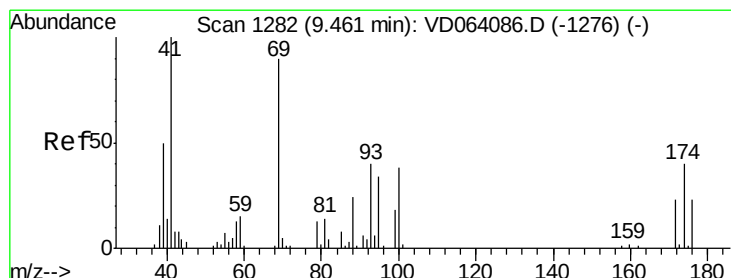
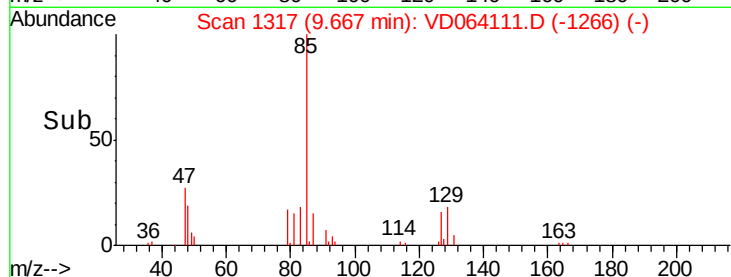
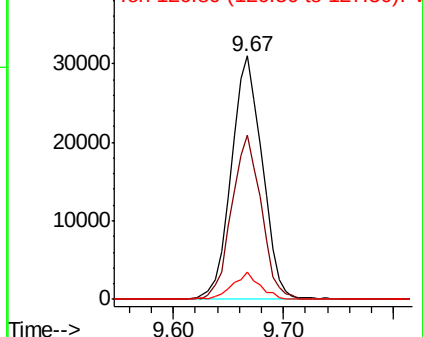
83 100

85 67.4 51.4 77.0

127 11.1 6.7 10.1#



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: 22.004 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

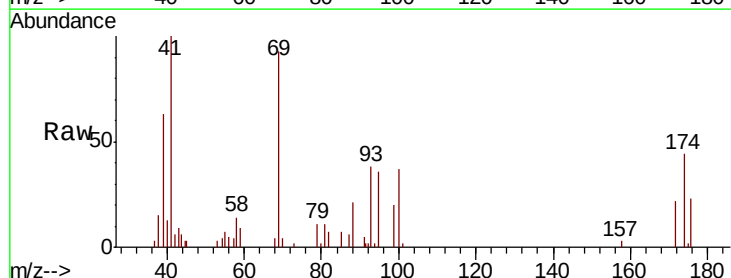
Tgt Ion: 41 Resp: 20115

Ion Ratio Lower Upper

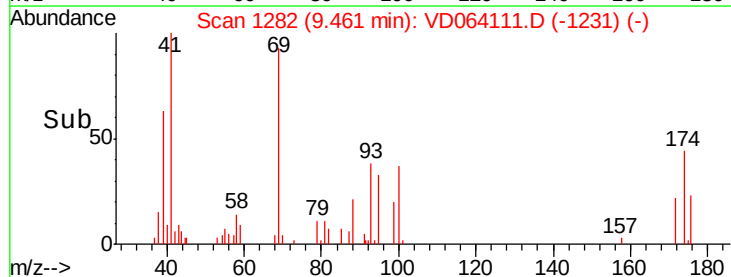
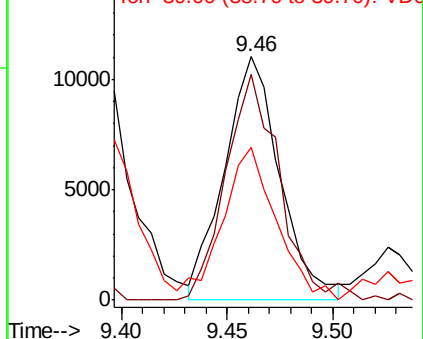
41 100

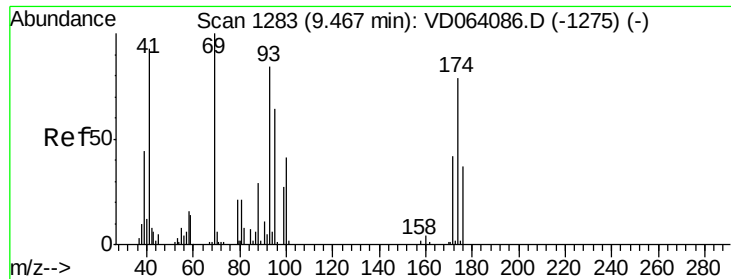
69 90.5 82.6 124.0

39 60.8 47.0 70.4



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

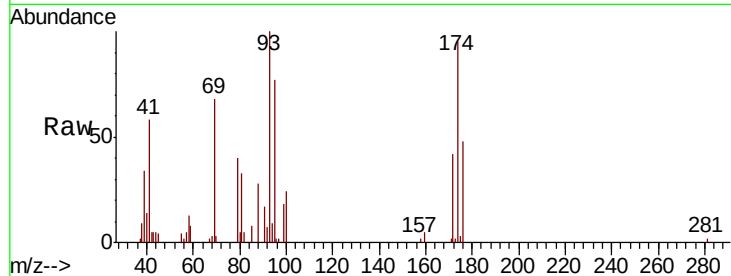




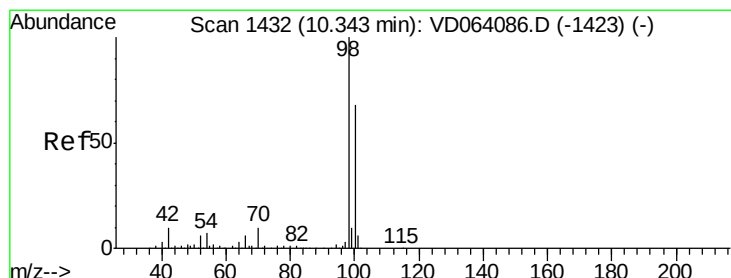
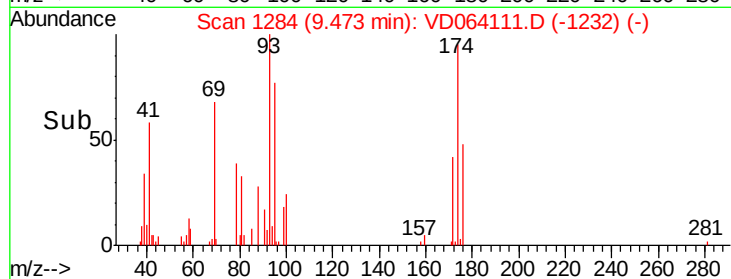
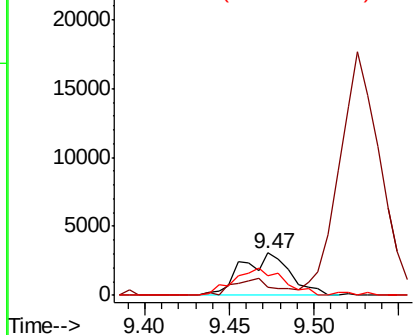
#49
1,4-Dioxane
Concen: 442.745 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 6130
Ion Ratio Lower Upper
88 100
43 32.6 13.4 20.0#
58 64.7 46.7 70.1

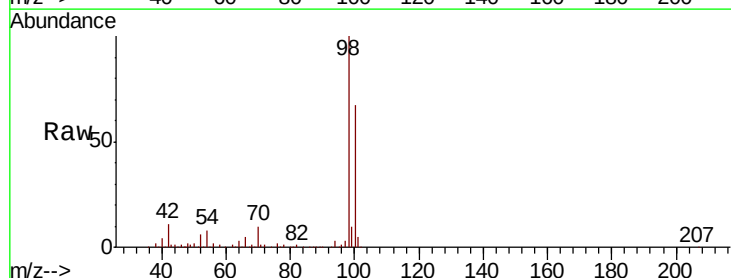


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

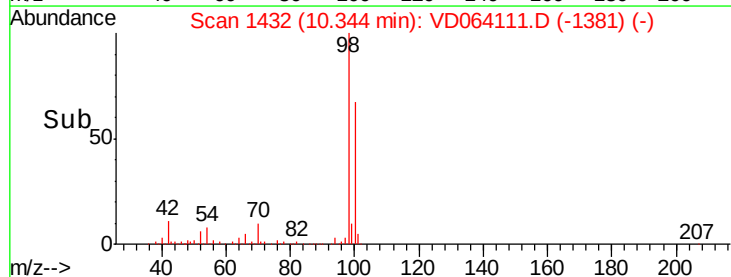
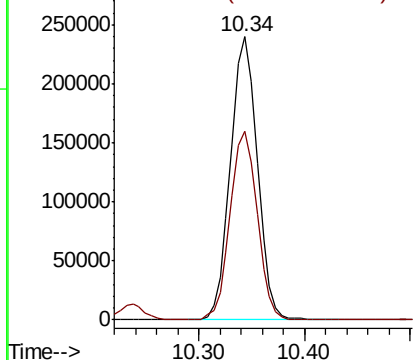


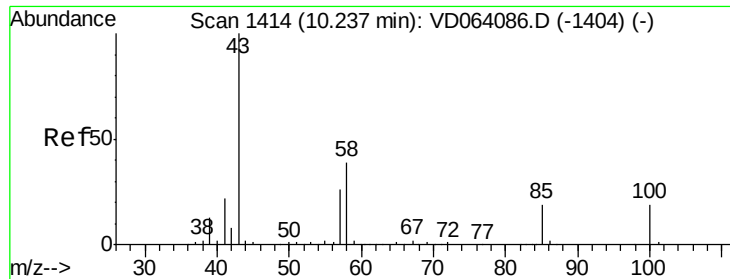
#50
Toluene-d8
Concen: 50.681 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 98 Resp: 422900
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.0



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

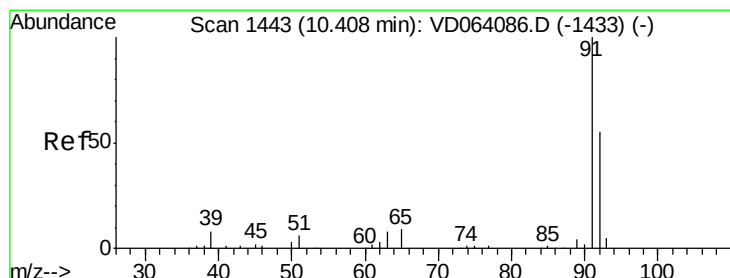
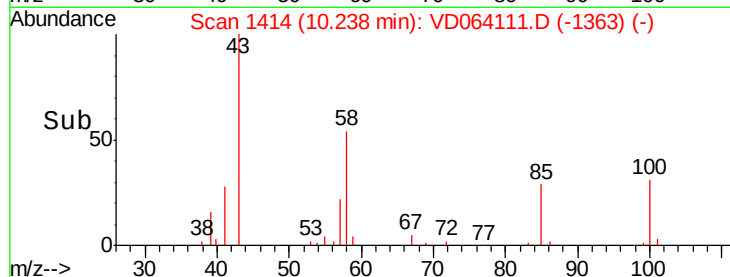
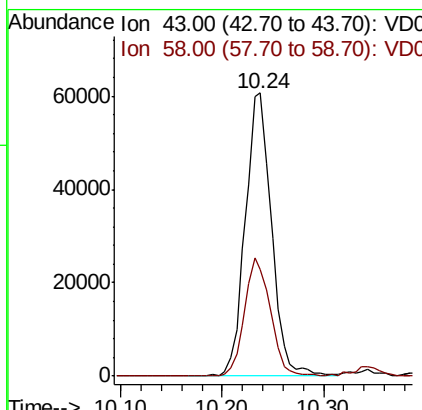
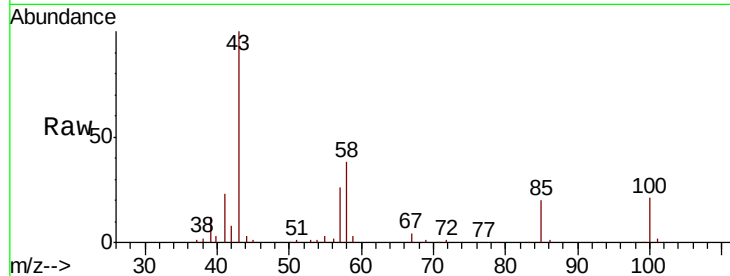




#51
4-Methyl-2-Pentanone
Concen: 101.683 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

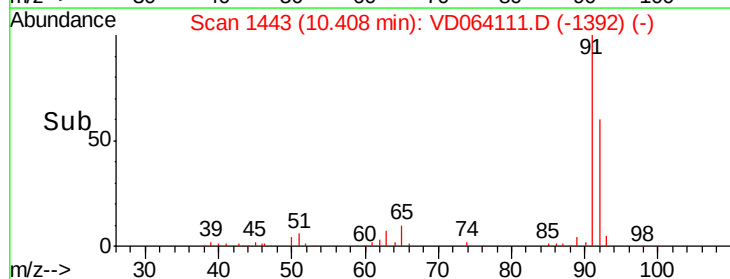
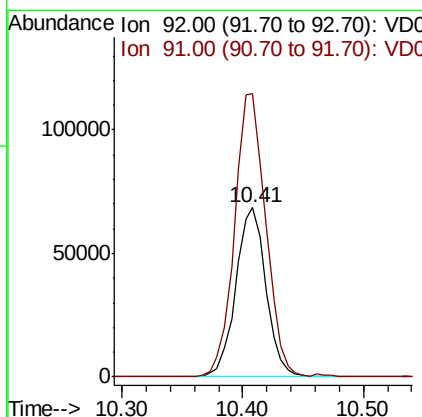
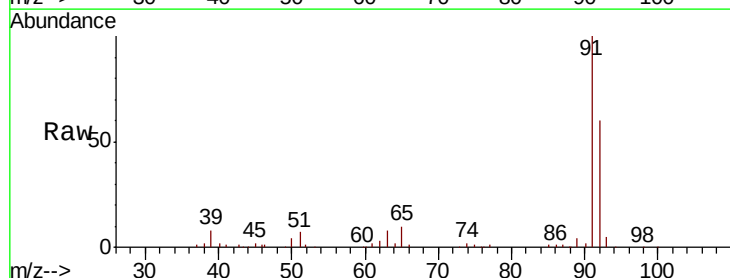
Instrument :
MSVOA_D
ClientSampleId :

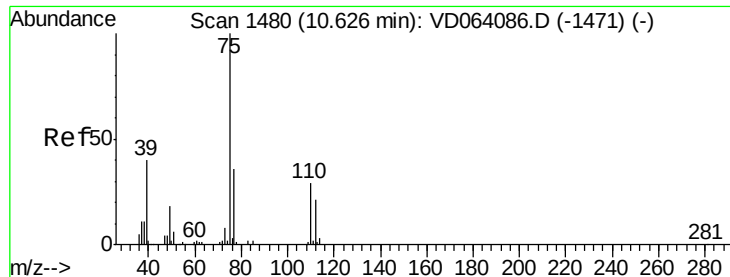
Tot Ion: 43 Resp: 109429
Ion Ratio Lower Upper
43 100
58 41.2 33.0 49.4



#52
Toluene
Concen: 19.672 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 92 Resp: 119470
Ion Ratio Lower Upper
92 100
91 173.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 20.540 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

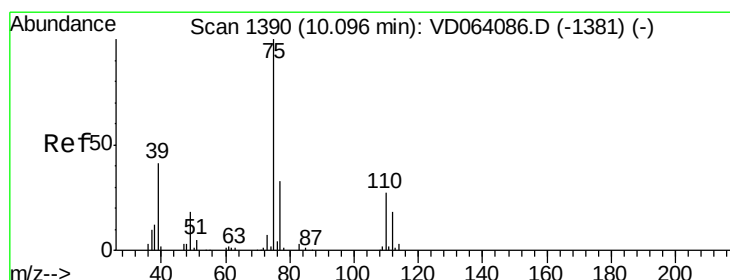
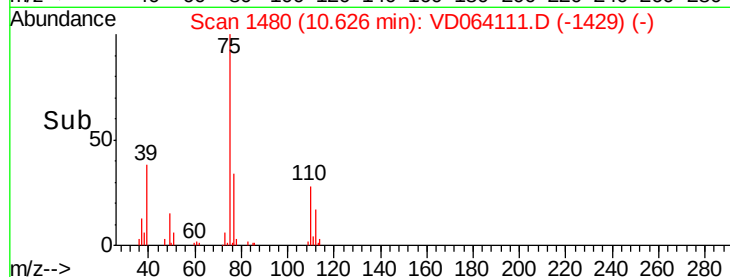
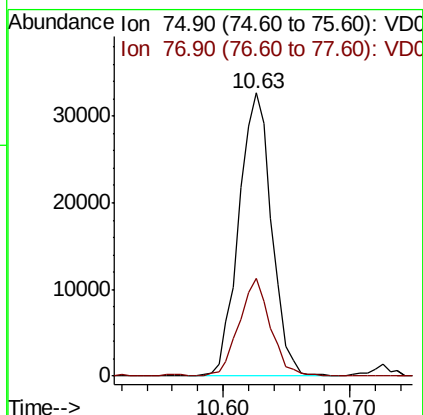
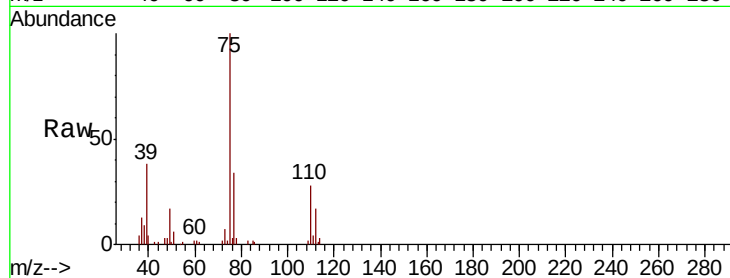
ClientSampleId :

Tot Ion: 75 Resp: 58507

Ion Ratio Lower Upper

75 100

77 34.3 28.7 43.1



#54

cis-1,3-Dichloropropene

Concen: 19.197 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

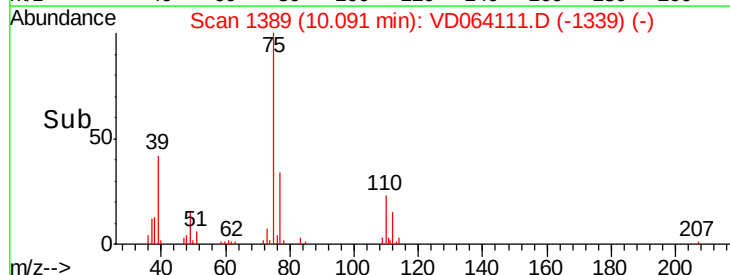
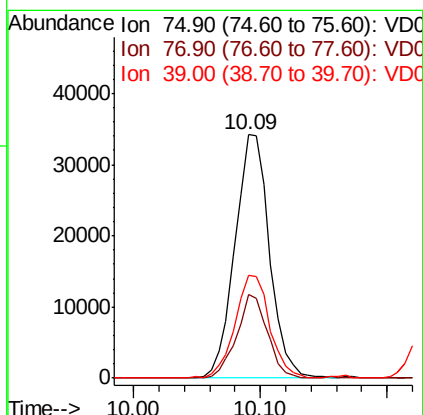
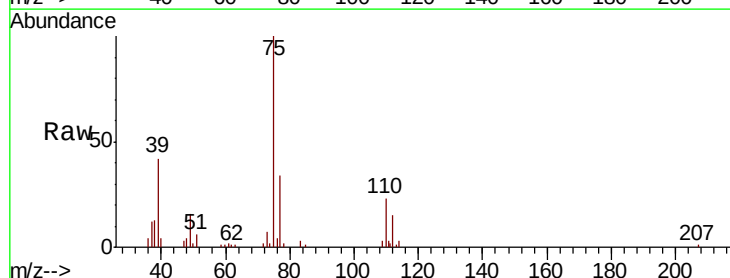
Tgt Ion: 75 Resp: 64333

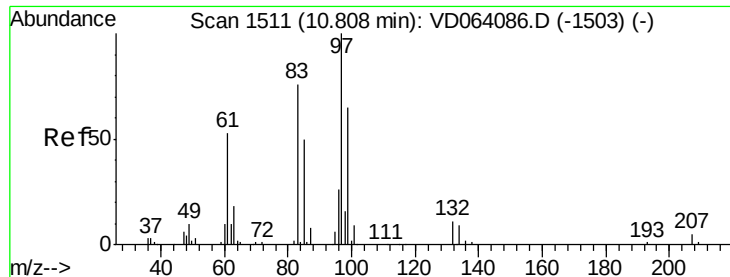
Ion Ratio Lower Upper

75 100

77 34.3 26.8 40.2

39 42.0 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 20.408 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 34997

Ion	Ratio	Lower	Upper
97	100		
83	82.9	60.9	91.3
85	51.0	40.2	60.2
99	62.4	51.9	77.9

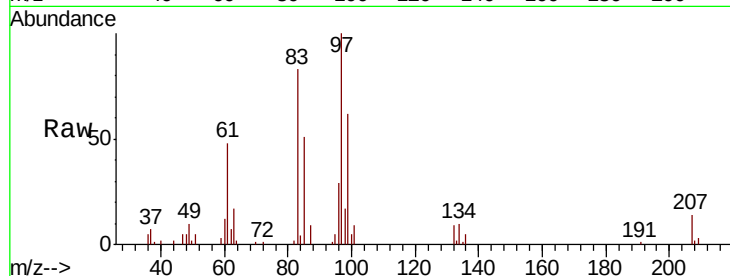
Ion Ratio Lower Upper

97 100

83 82.9 60.9 91.3

85 51.0 40.2 60.2

99 62.4 51.9 77.9

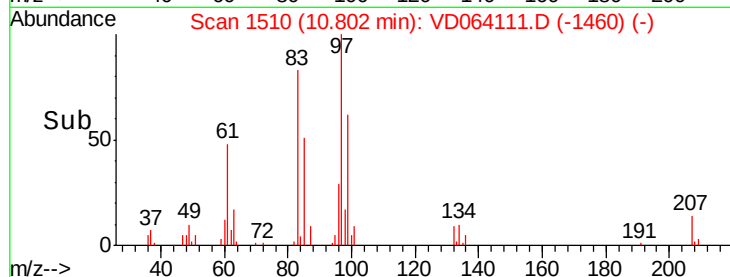


Abundance Ion 96.90 (96.60 to 97.60): VDC

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



Time-->

10.80

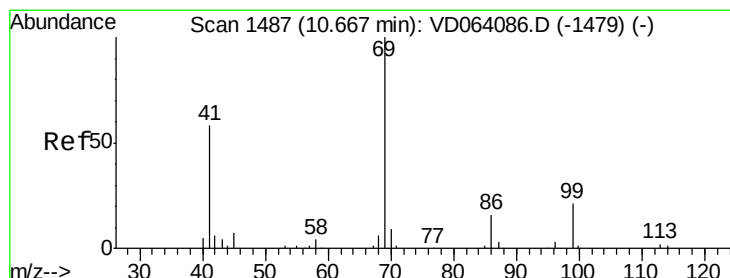
15000

10000

5000

0

10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 19.882 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion: 69 Resp: 37407

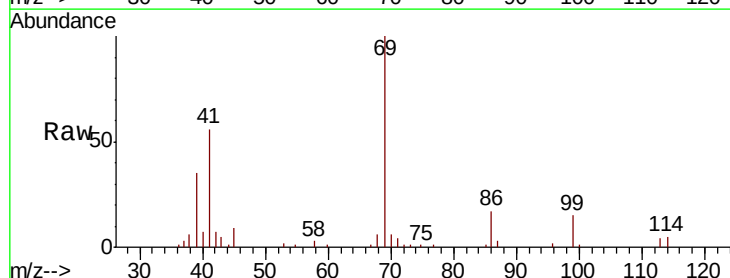
Ion	Ratio	Lower	Upper
69	100		
41	59.1	46.9	70.3
39	33.6	27.3	40.9

Ion Ratio Lower Upper

69 100

41 59.1 46.9 70.3

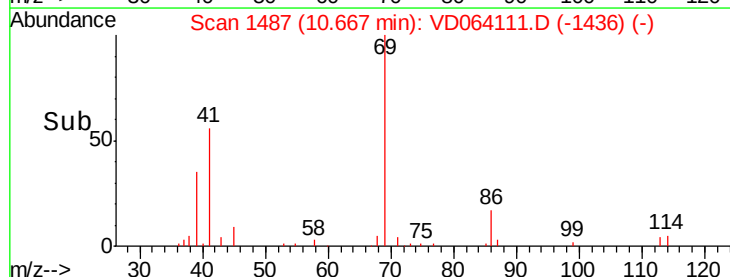
39 33.6 27.3 40.9



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



Time-->

10.67

25000

20000

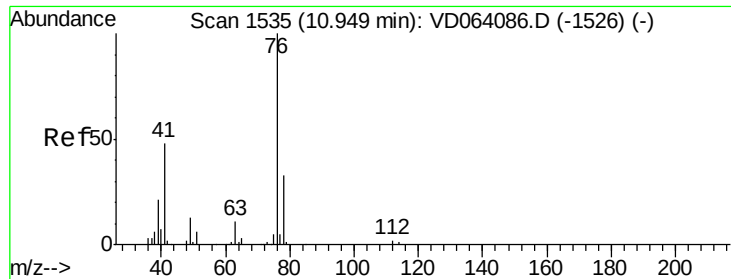
15000

10000

5000

0

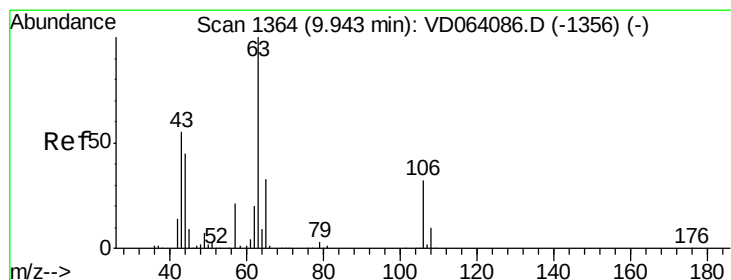
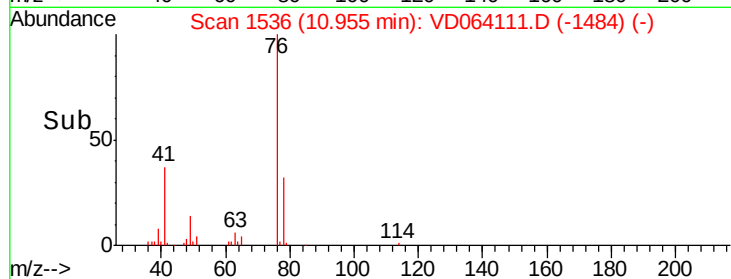
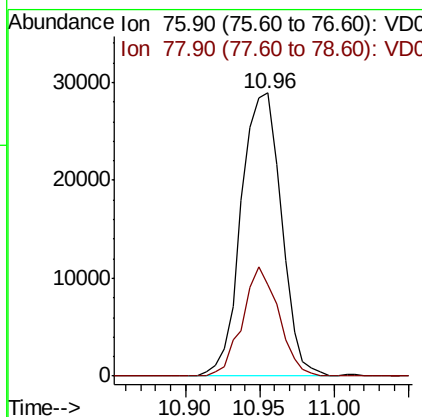
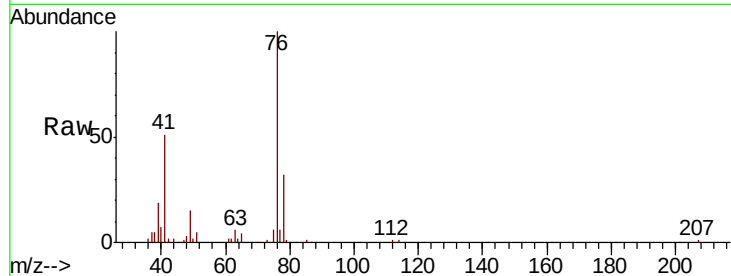
10.60 10.65 10.70 10.75



#57
 1,3-Dichloropropane
 Concen: 19.034 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

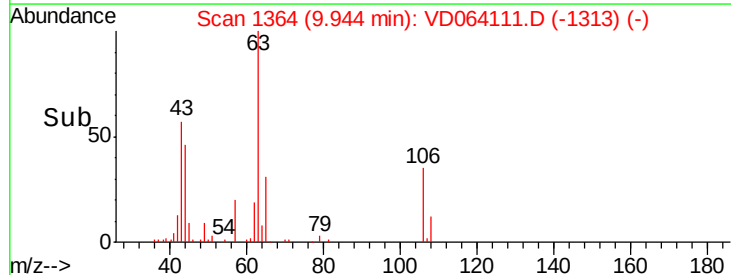
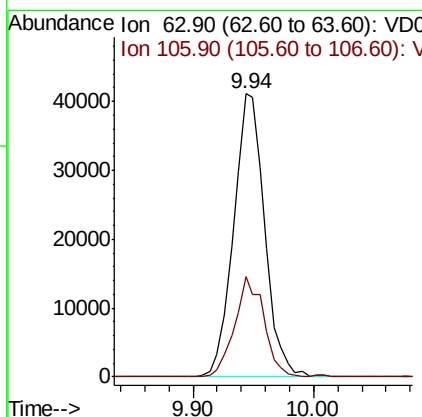
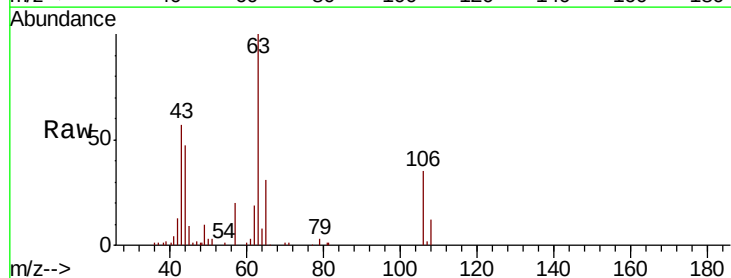
Instrument :
 MSVOA_D
 ClientSampleId :

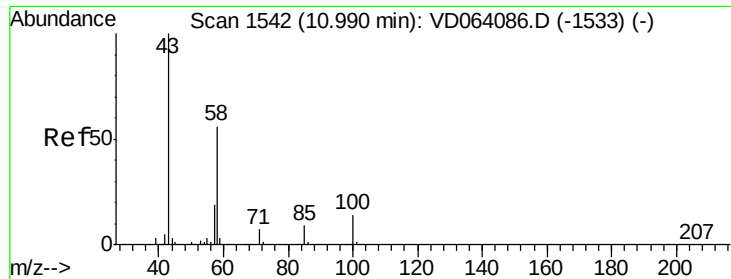
Tot Ion: 76 Resp: 53983
 Ion Ratio Lower Upper
 76 100
 78 34.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.773 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion: 63 Resp: 73458
 Ion Ratio Lower Upper
 63 100
 106 33.5 25.8 38.8

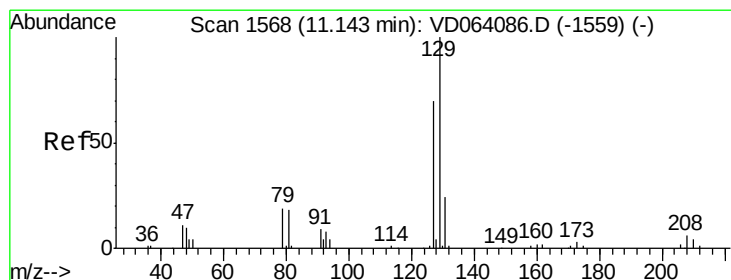
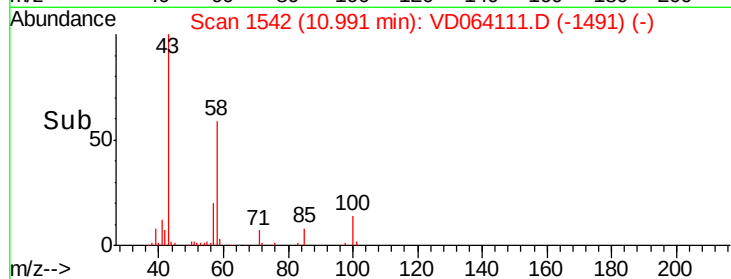
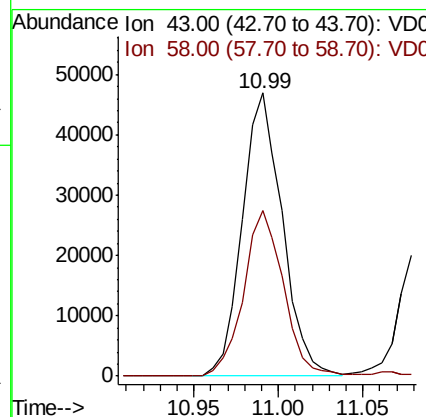
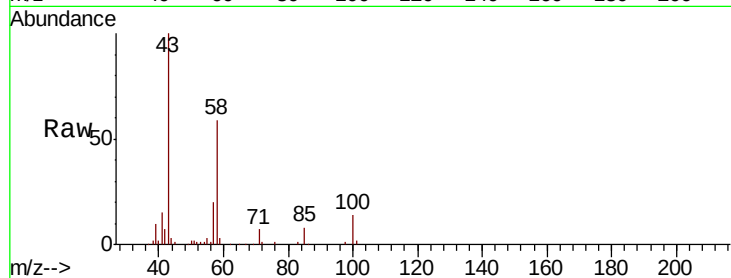




#59
2-Hexanone
Concen: 97.375 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

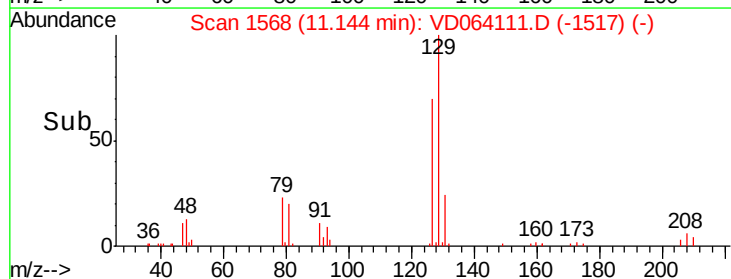
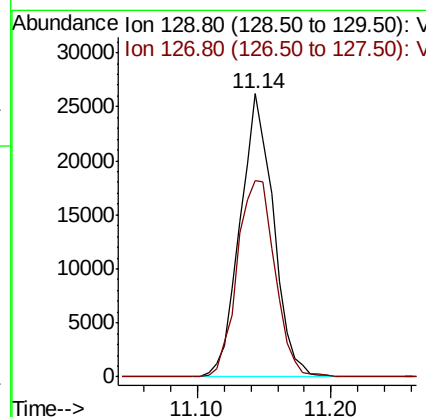
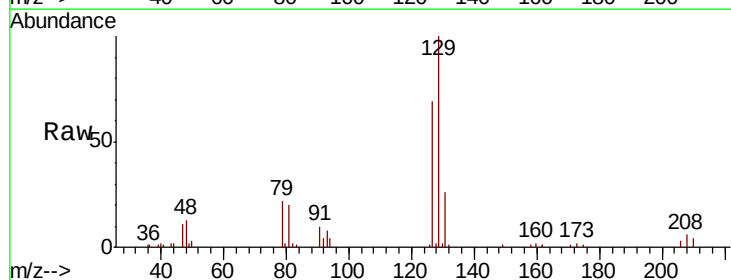
Instrument :
MSVOA_D
ClientSampled :

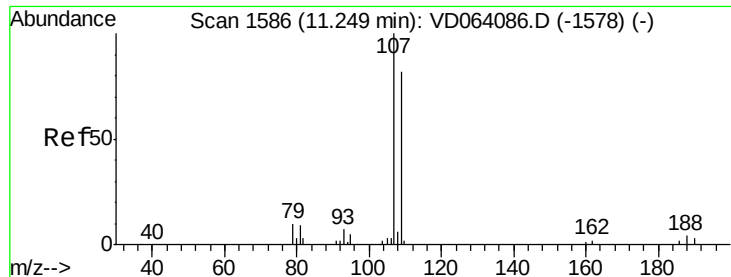
Tot Ion: 43 Resp: 77330
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6



#60
Dibromochloromethane
Concen: 19.442 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 129 Resp: 45254
Ion Ratio Lower Upper
129 100
127 78.6 38.3 114.8

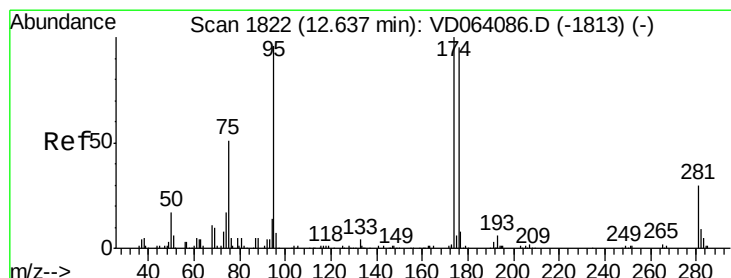
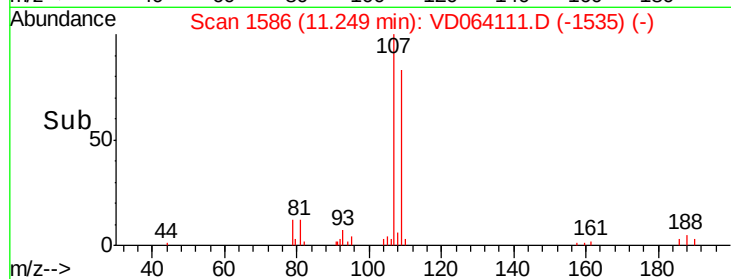
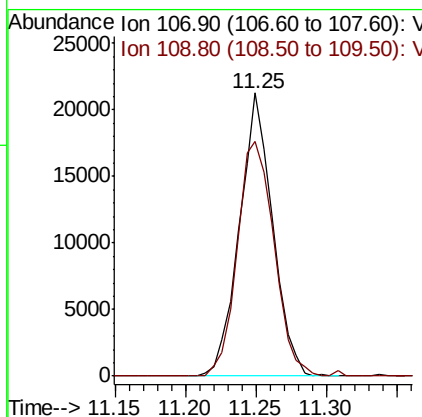
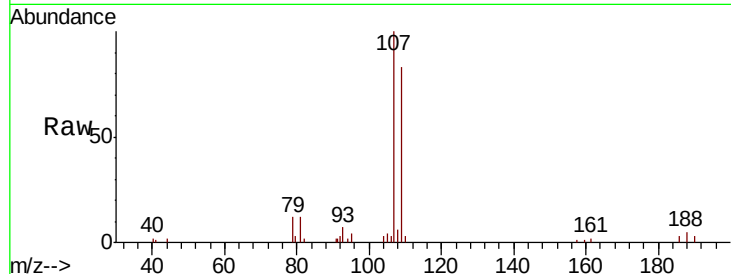




#61
 1,2-Dibromoethane
 Concen: 20.397 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

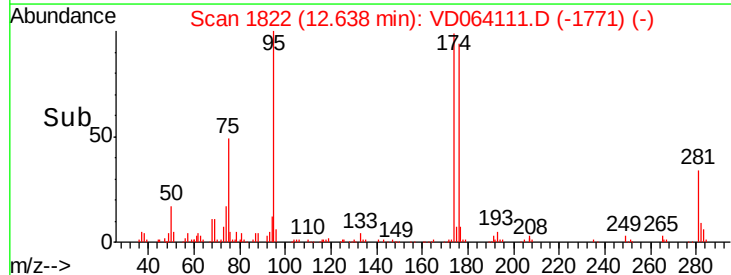
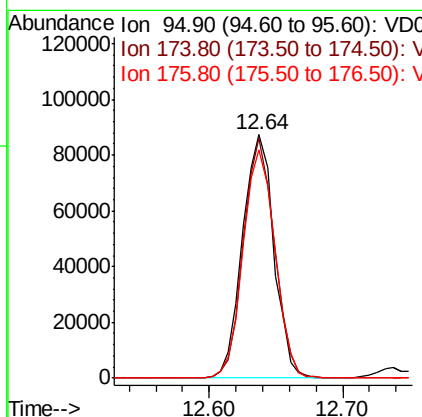
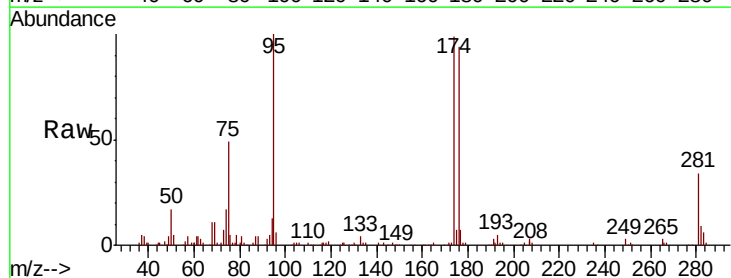
Instrument :
 MSVOA_D
 ClientSampleId :

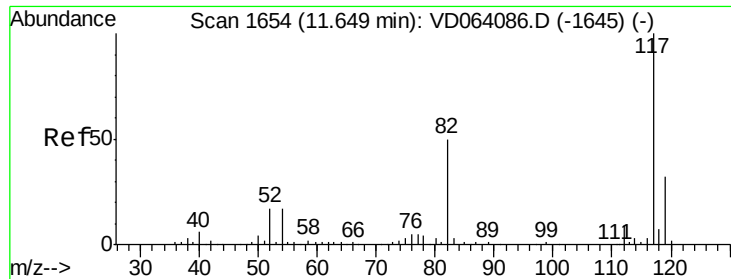
Tot Ion: 107 Resp: 34985
 Ion Ratio Lower Upper
 107 100
 109 92.2 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 51.143 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion: 95 Resp: 141483
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 201.6
 176 95.3 0.0 192.6

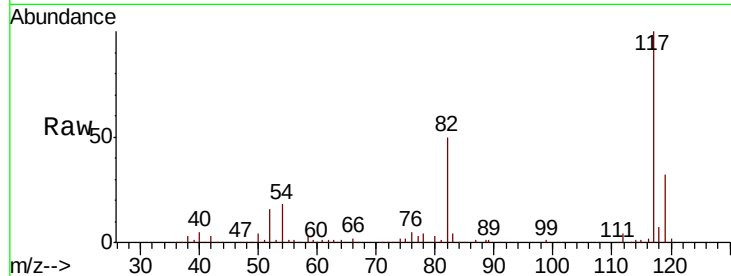




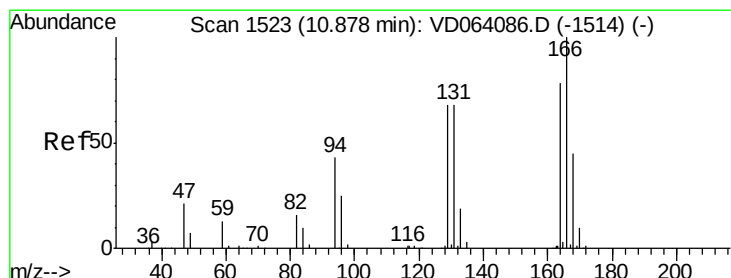
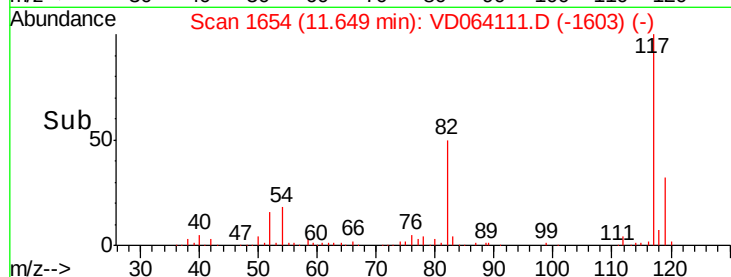
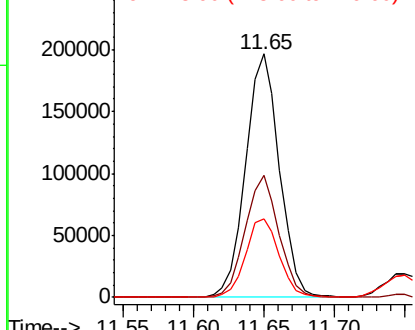
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 328545
Ion Ratio Lower Upper
117 100
82 49.9 40.2 60.4
119 32.3 26.0 39.0

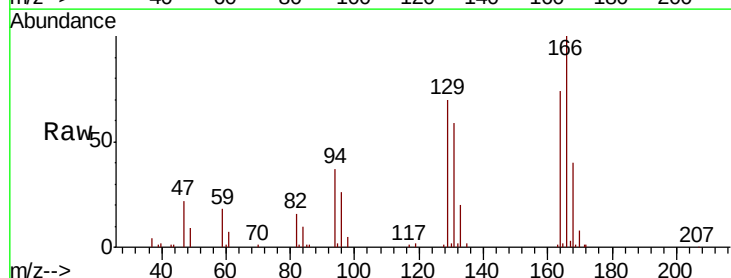


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

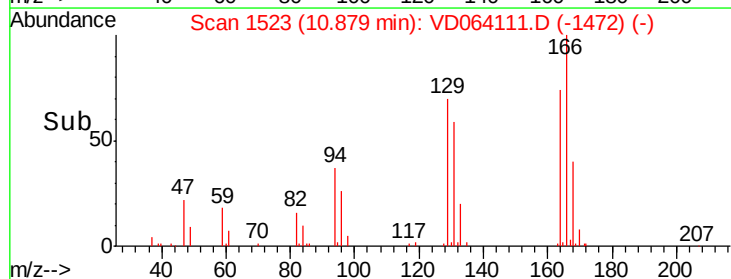
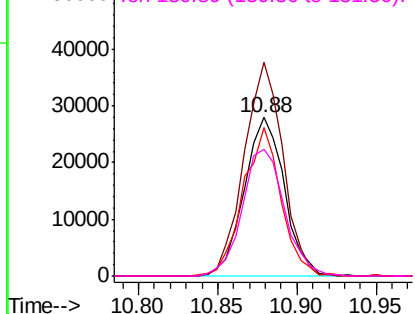


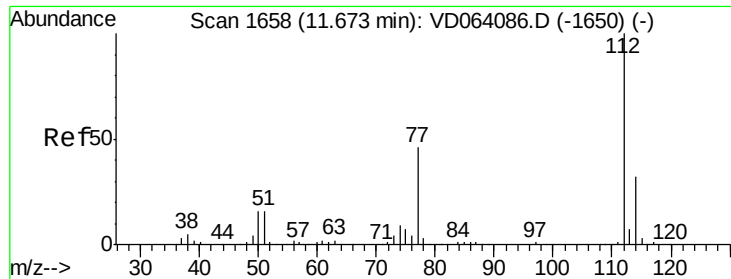
#64
Tetrachloroethene
Concen: 20.817 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion:164 Resp: 49135
Ion Ratio Lower Upper
164 100
166 134.8 102.7 154.1
129 93.8 69.8 104.6
131 79.8 69.4 104.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

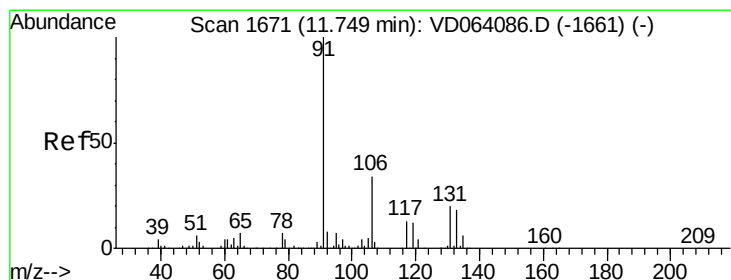
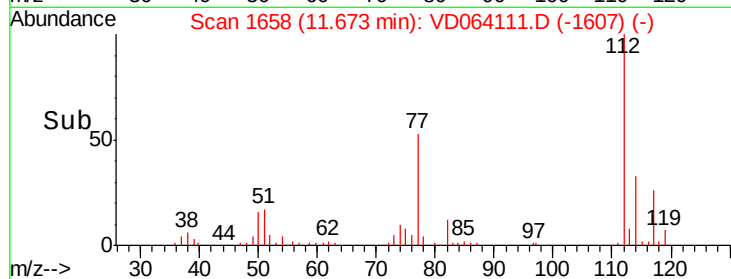
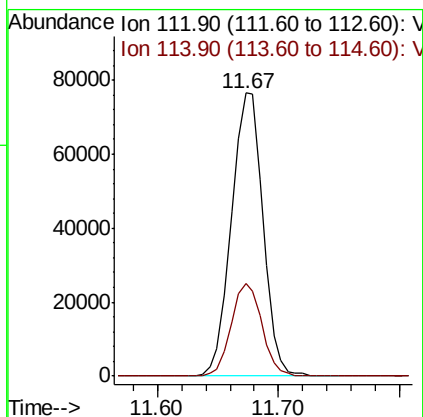
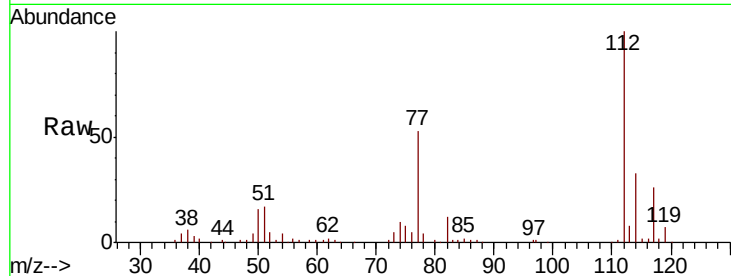




#65
Chlorobenzene
Concen: 20.527 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

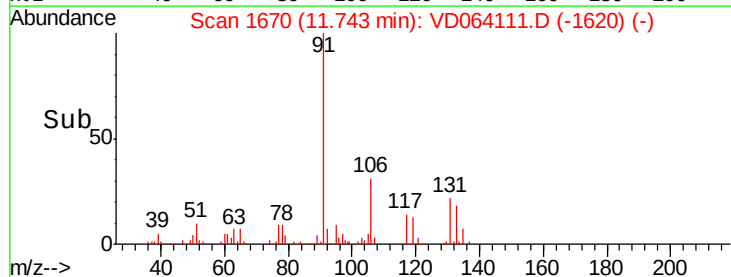
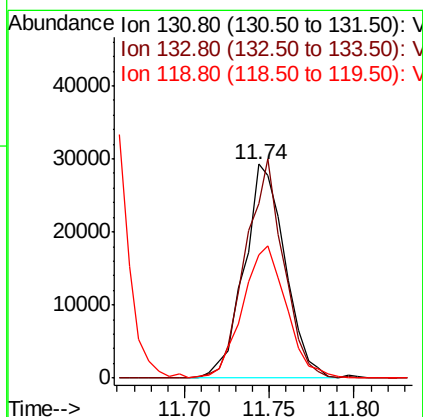
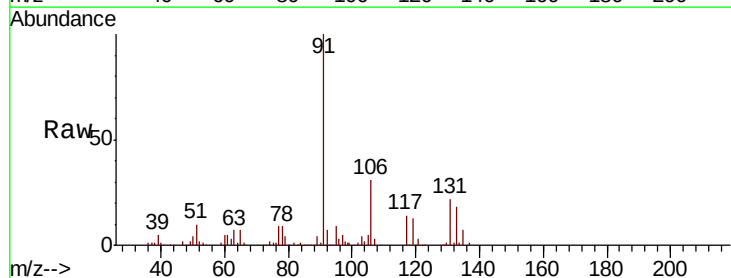
Instrument :
MSVOA_D
ClientSampled :

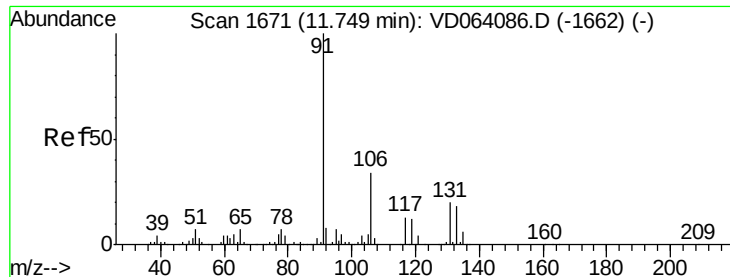
Tot Ion:112 Resp: 139348
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.351 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion:131 Resp: 49155
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.4 31.4 94.3





#67

Ethyl Benzene

Concen: 19.986 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

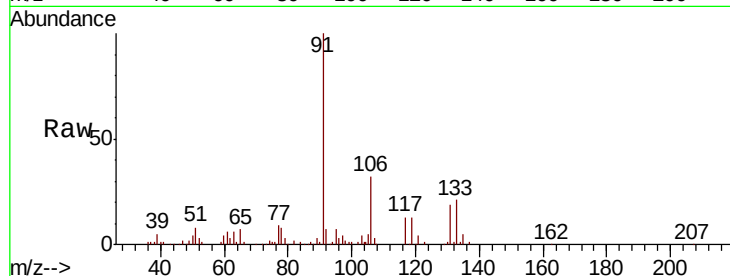
ClientSampleId :

Tot Ion: 91 Resp: 241314

Ion Ratio Lower Upper

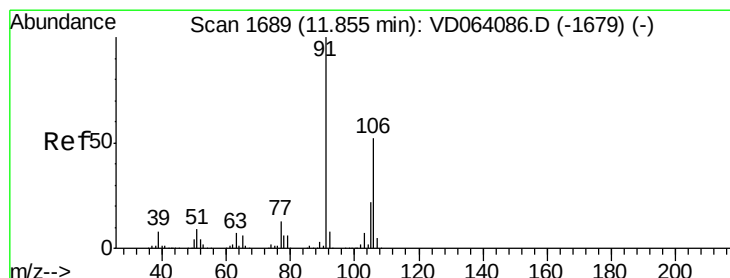
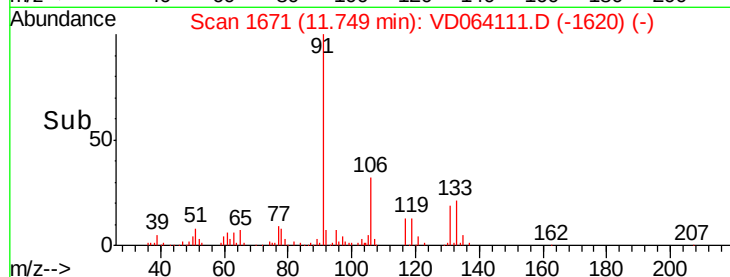
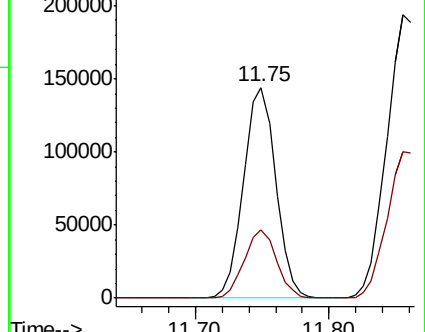
91 100

106 32.3 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 39.534 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064111.D

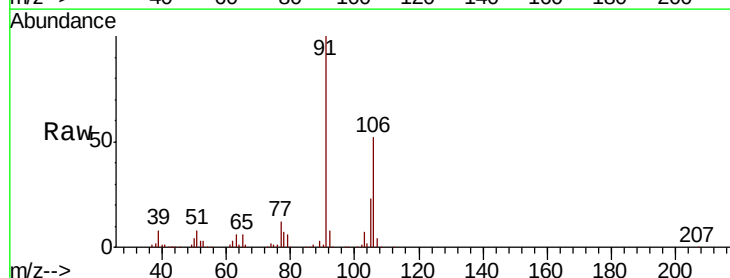
Acq: 30 Oct 2019 13:23

Tgt Ion: 106 Resp: 192003

Ion Ratio Lower Upper

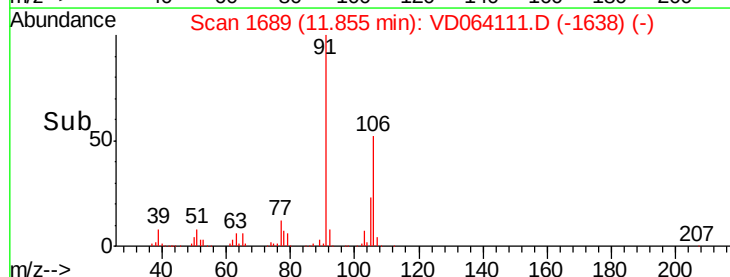
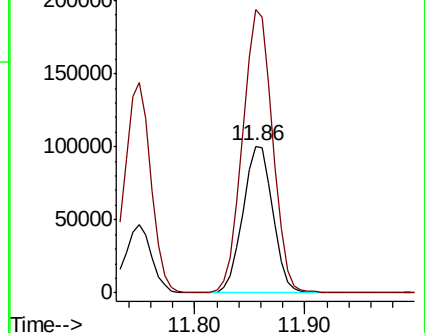
106 100

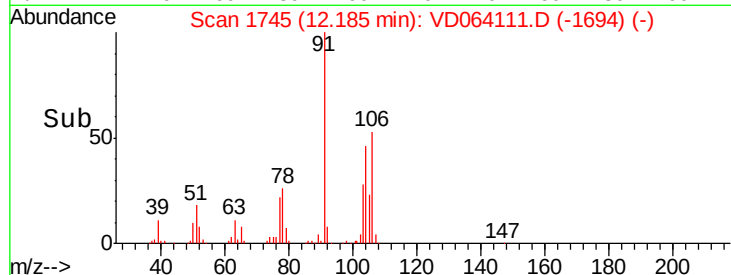
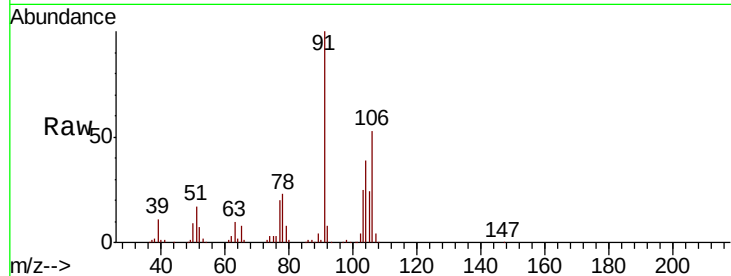
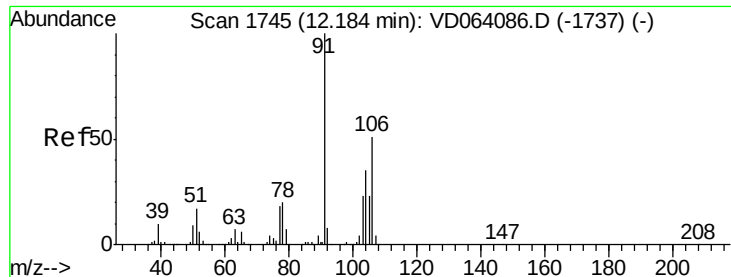
91 192.8 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

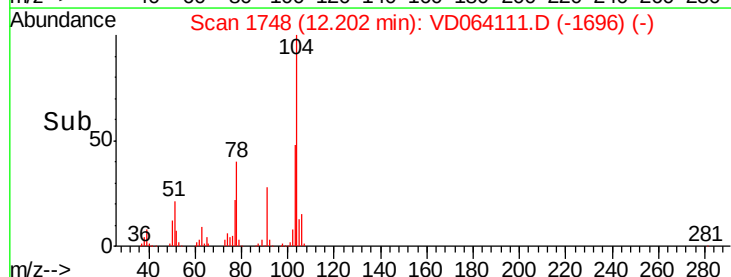
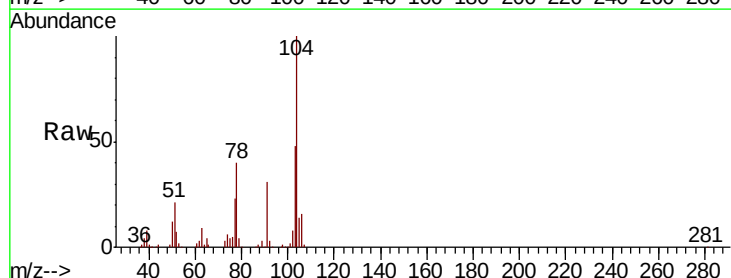
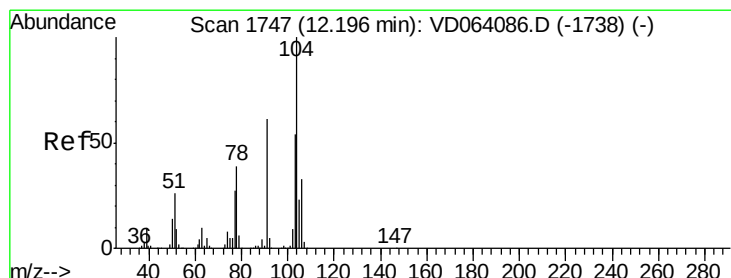
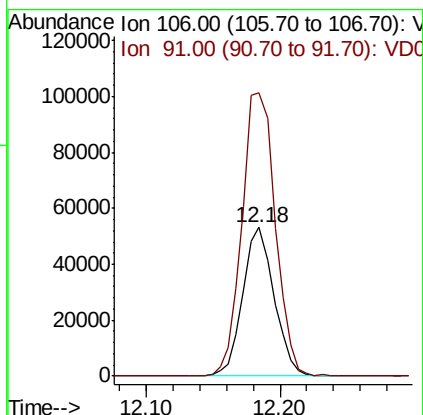




#69
o-Xylene
Concen: 19.413 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

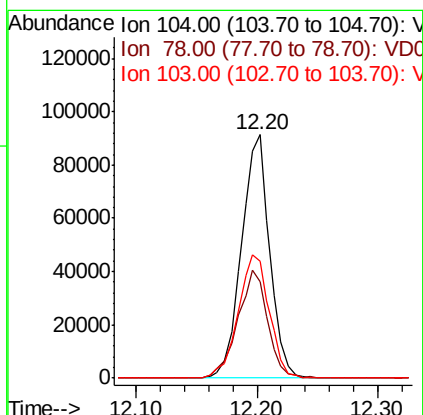
Instrument :
MSVOA_D
ClientSampled :

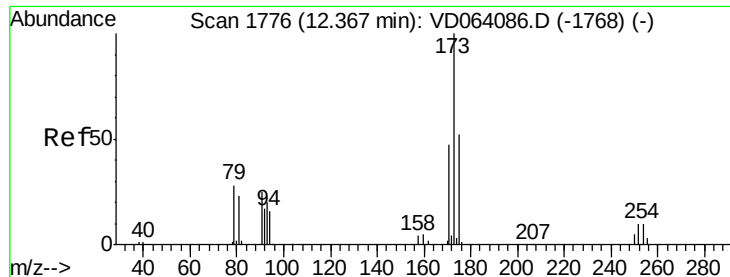
Tot Ion:106 Resp: 86044
Ion Ratio Lower Upper
106 100
91 203.7 100.6 301.9



#70
Styrene
Concen: 19.418 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion:104 Resp: 148436
Ion Ratio Lower Upper
104 100
78 47.0 34.6 51.8
103 55.9 44.2 66.2





#71

Bromoform

Concen: 20.909 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

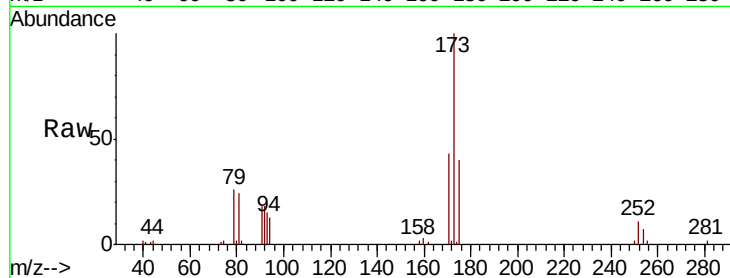
Tot Ion:173 Resp: 28365

Ion Ratio Lower Upper

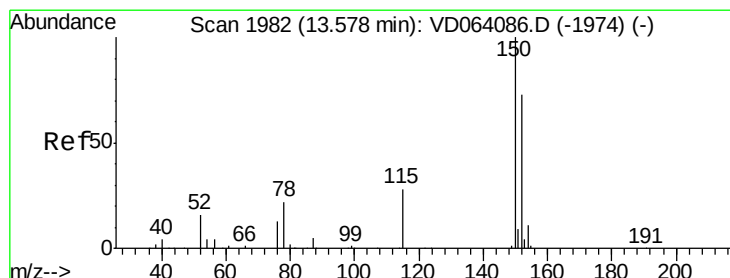
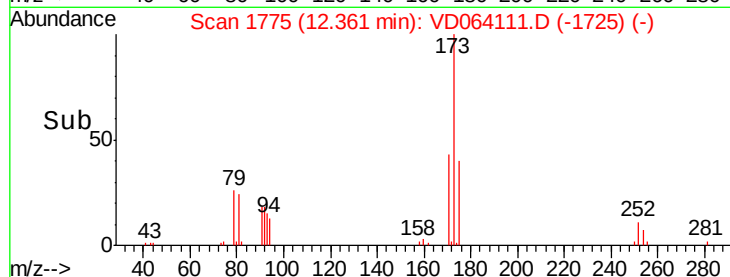
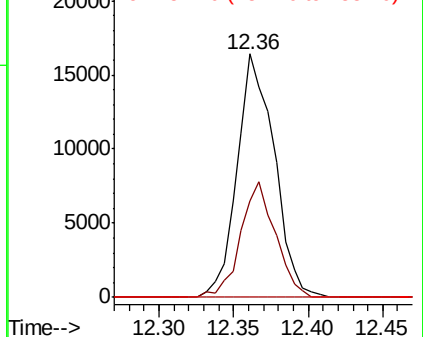
173 100

175 44.2 24.3 72.9

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

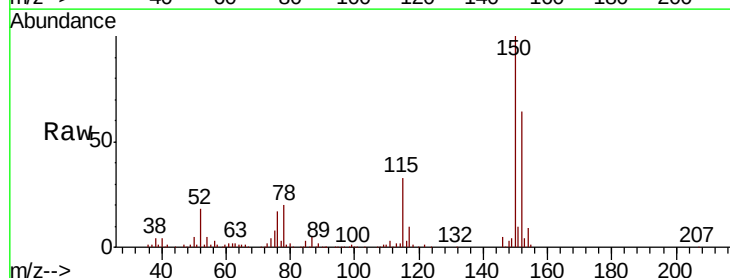
Tgt Ion:152 Resp: 173833

Ion Ratio Lower Upper

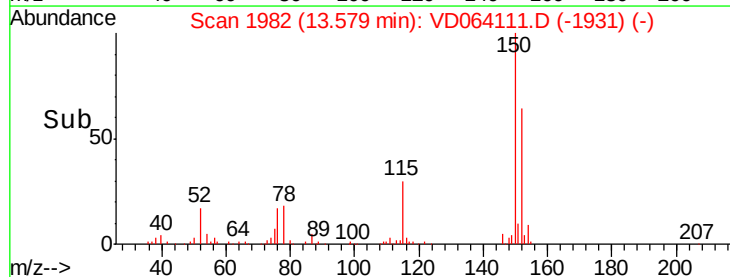
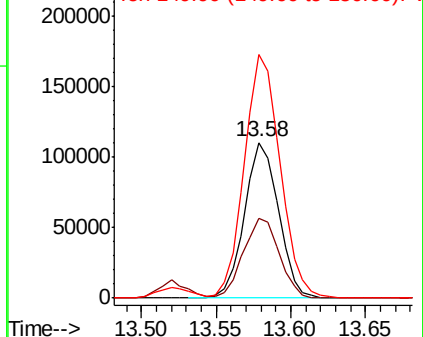
152 100

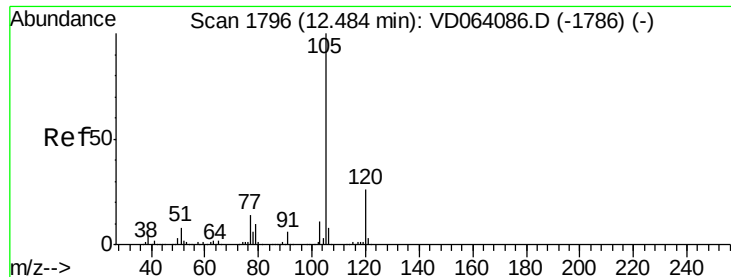
115 54.2 26.2 78.6

150 165.1 0.0 338.8



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





#73

Isopropylbenzene

Concen: 19.609 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

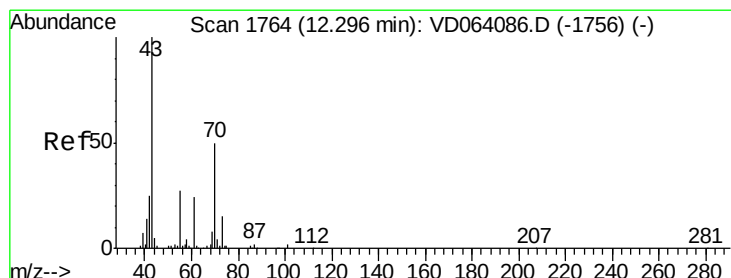
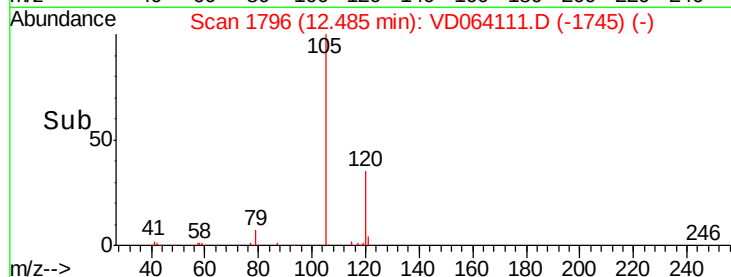
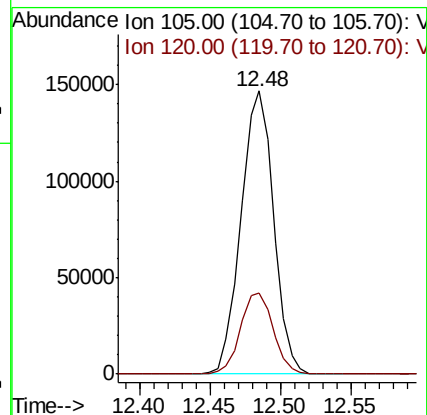
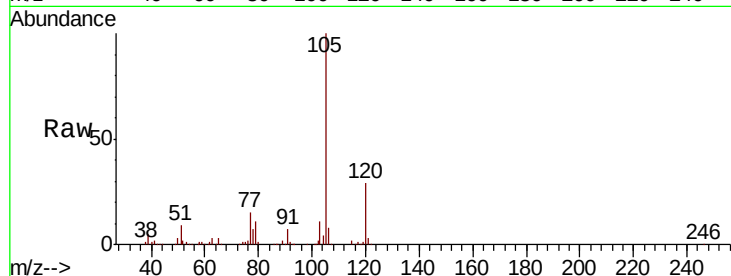
ClientSampleId :

Tot Ion:105 Resp: 236871

Ion Ratio Lower Upper

105 100

120 29.0 13.3 39.9



#74

N-ethyl acetate

Concen: 20.043 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion: 43 Resp: 40223

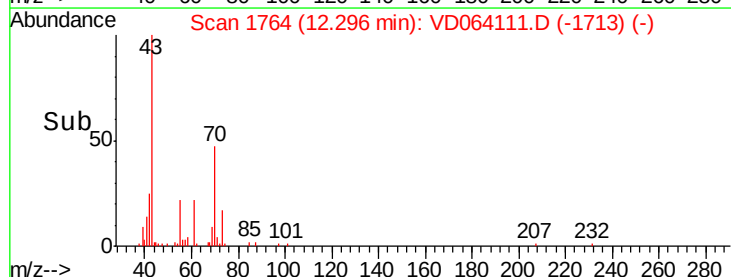
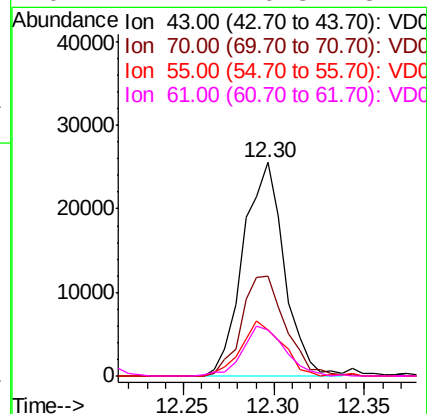
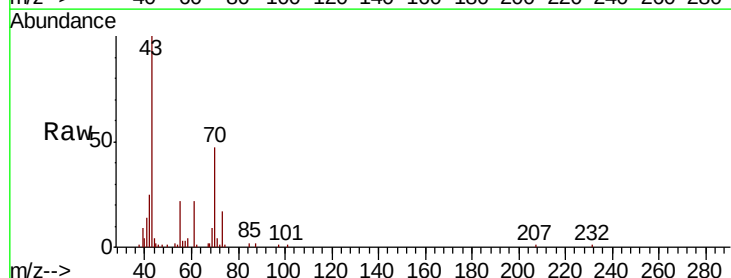
Ion Ratio Lower Upper

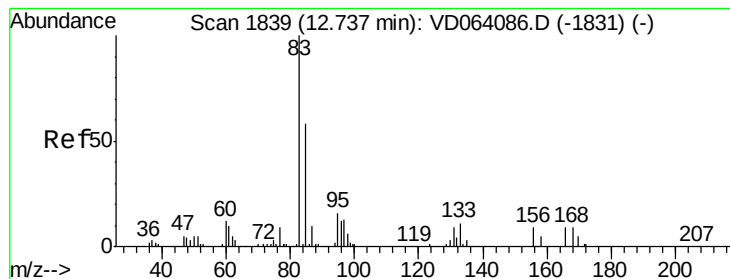
43 100

70 50.1 38.6 58.0

55 25.6 20.4 30.6

61 24.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.102 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

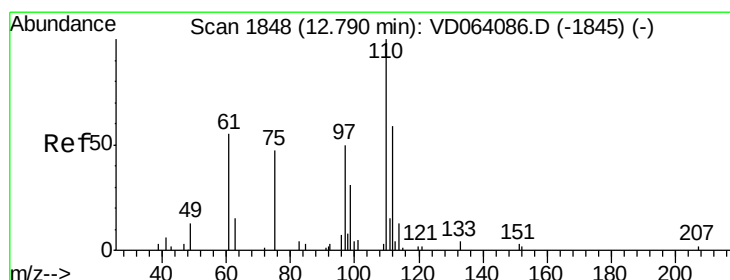
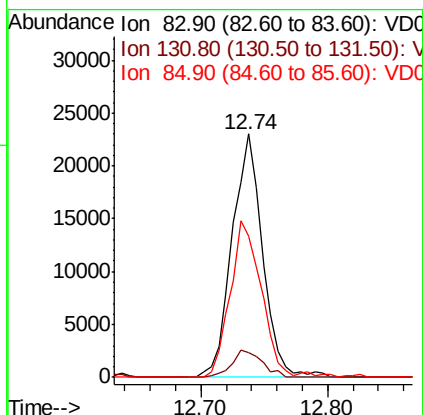
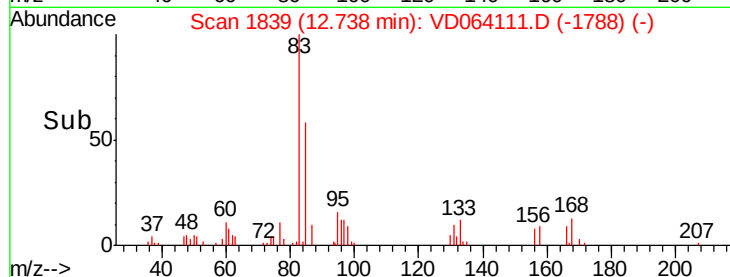
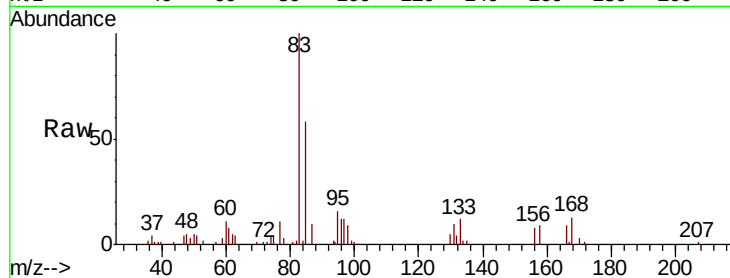
Tot Ion: 83 Resp: 38274

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

85 65.3 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 41.470 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064111.D

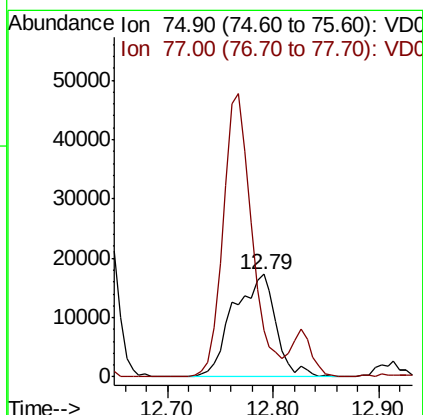
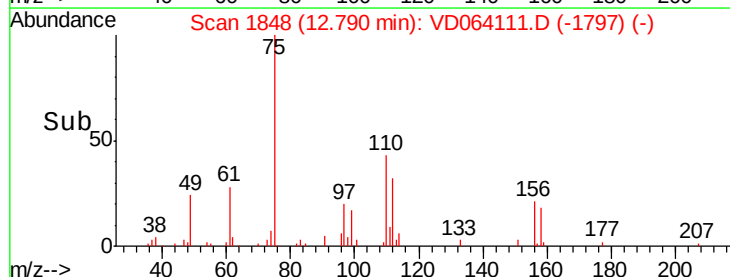
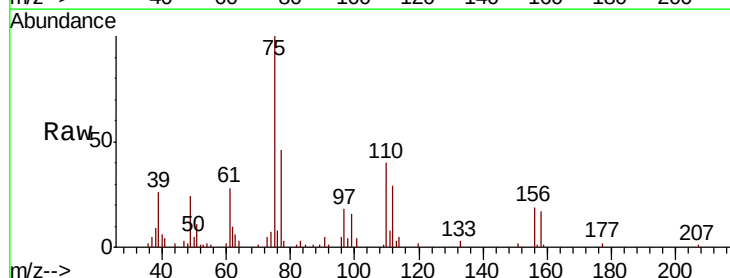
Acq: 30 Oct 2019 13:23

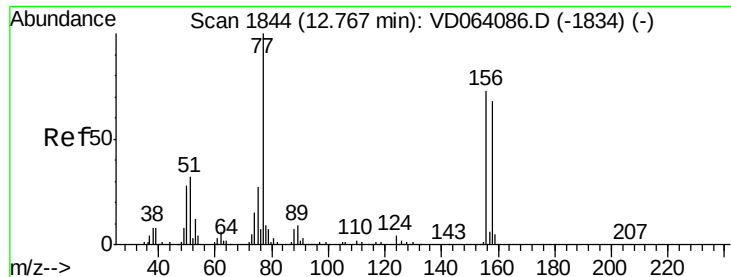
Tgt Ion: 75 Resp: 48439

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.027 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

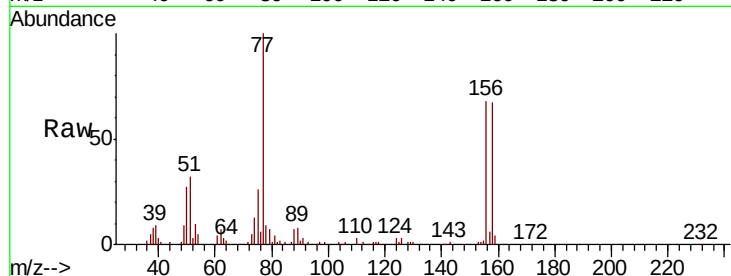
Tot Ion:156 Resp: 58411

Ion Ratio Lower Upper

156 100

77 154.7 76.0 228.0

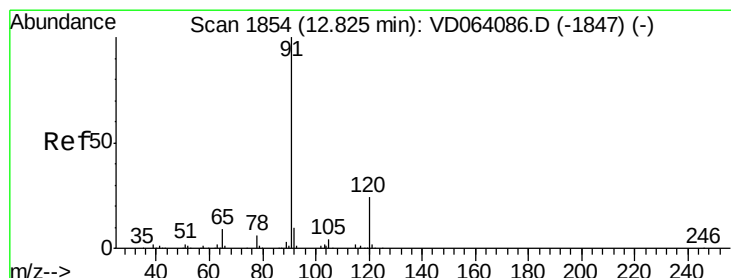
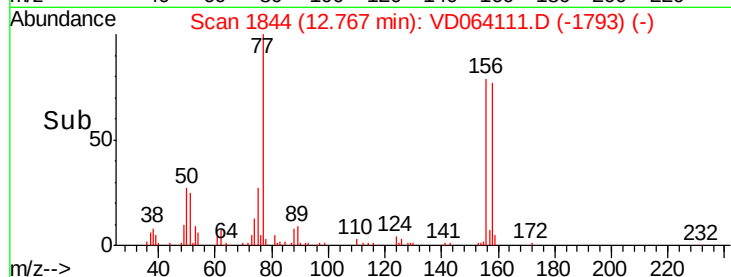
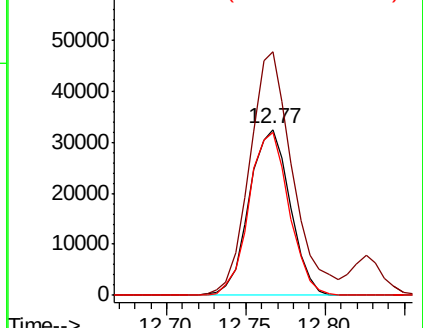
158 96.2 47.6 142.8



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: 20.194 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064111.D

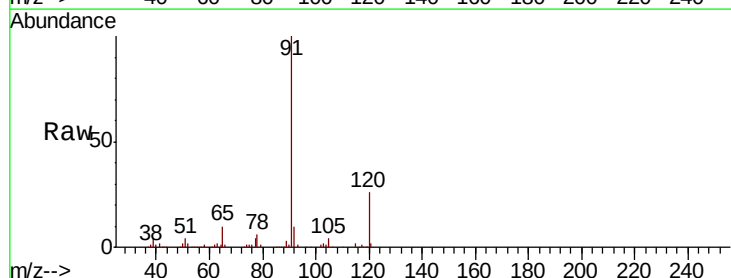
Acq: 30 Oct 2019 13:23

Tgt Ion: 91 Resp: 285866

Ion Ratio Lower Upper

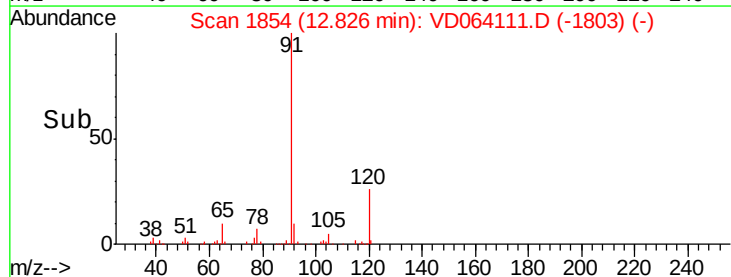
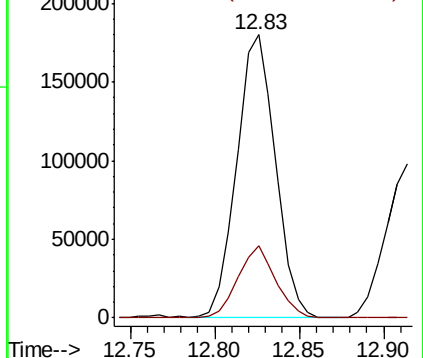
91 100

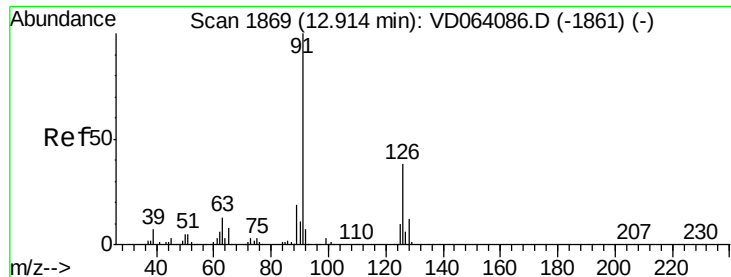
120 24.8 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

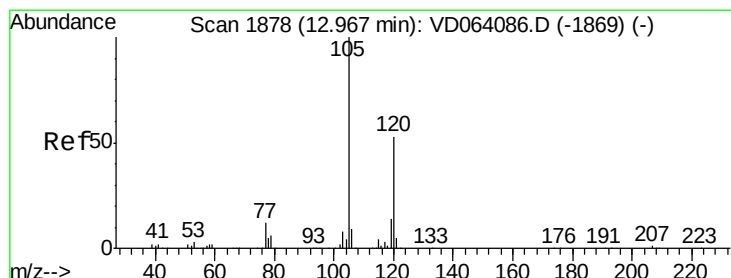
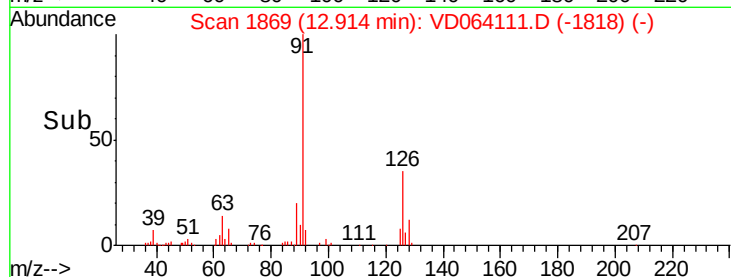
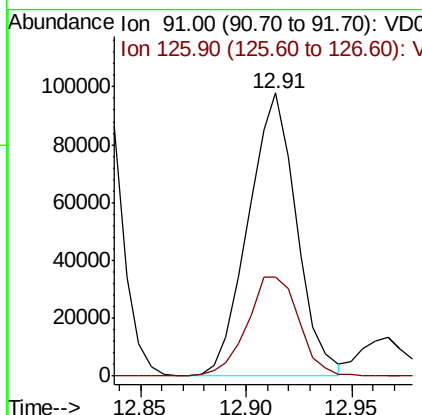
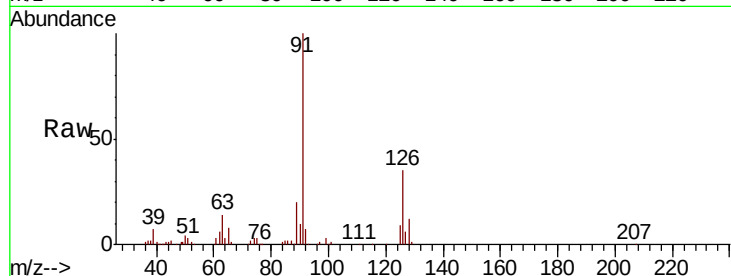




#79
 2-Chlorotoluene
 Concen: 20.425 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

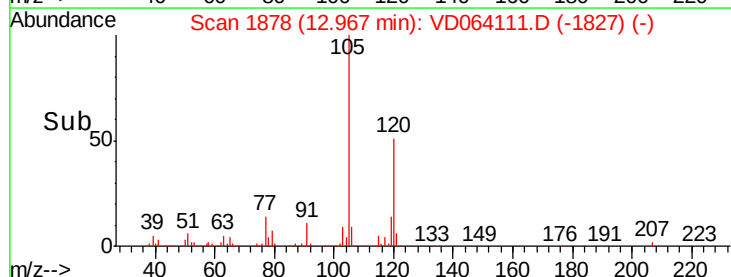
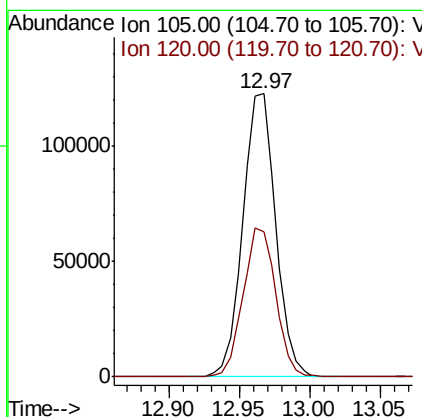
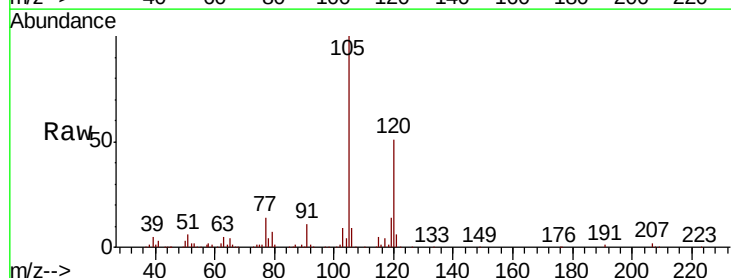
Instrument :
 MSVOA_D
 ClientSampled :

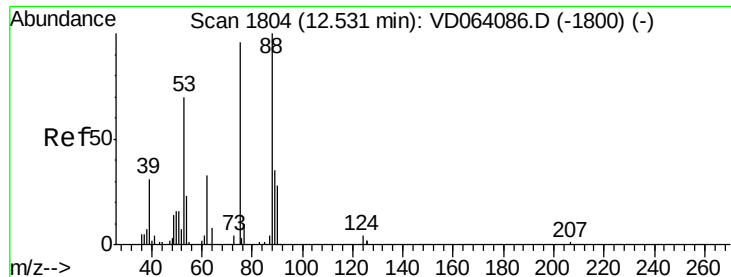
Tot Ion: 91 Resp: 154991
 Ion Ratio Lower Upper
 91 100
 126 37.6 19.1 57.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.849 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion: 105 Resp: 200669
 Ion Ratio Lower Upper
 105 100
 120 52.6 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.818 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

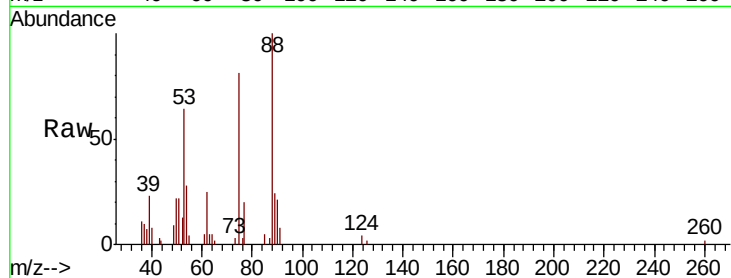
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 11907

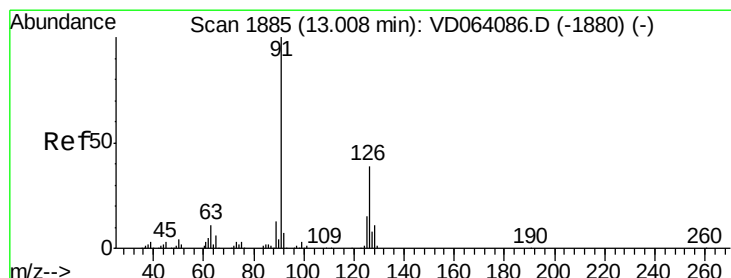
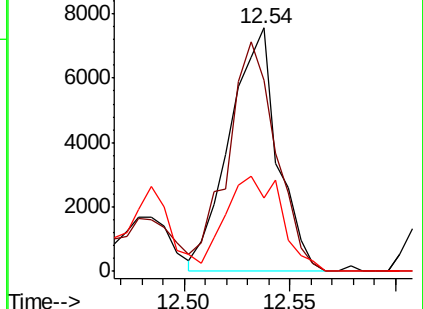
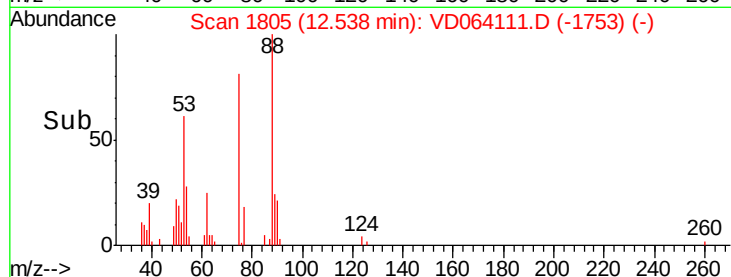
Ion	Ratio	Lower	Upper
75	100		
53	94.7	68.6	103.0
89	45.4	36.9	55.3



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: 20.224 ug/l

RT: 13.01 min Scan# 1885

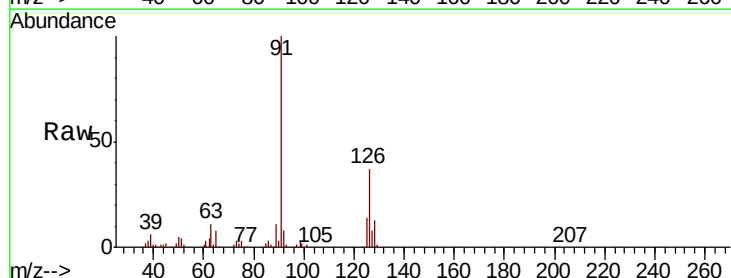
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

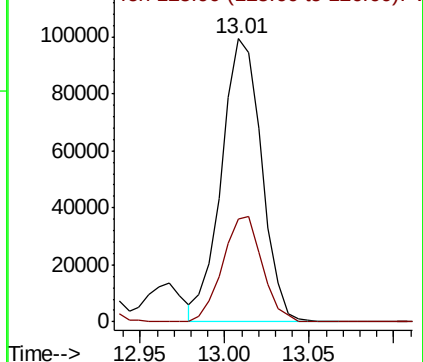
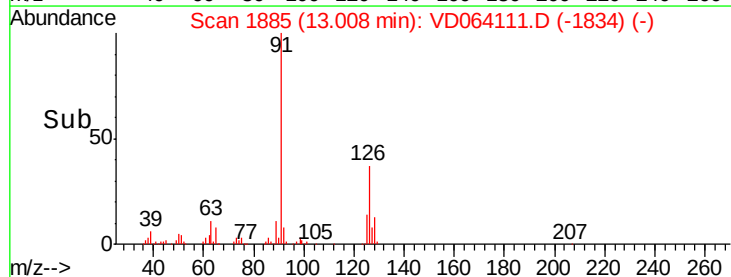
Tgt Ion: 91 Resp: 163985

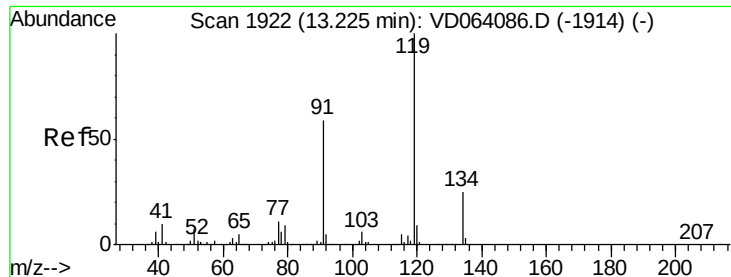
Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.9	56.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

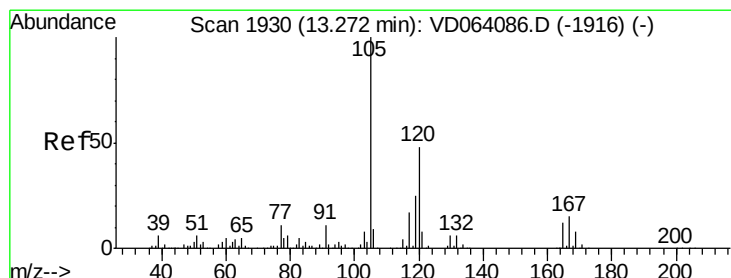
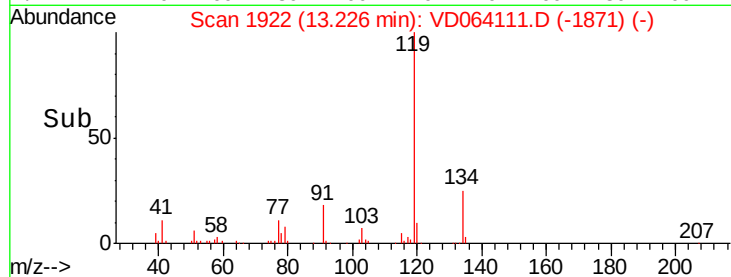
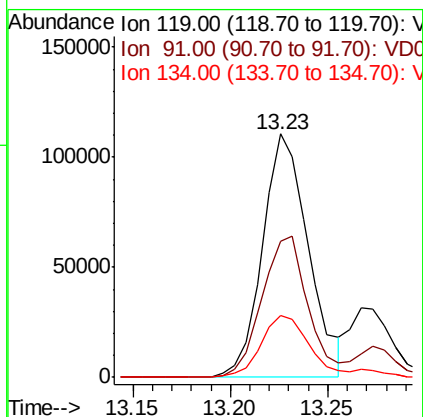
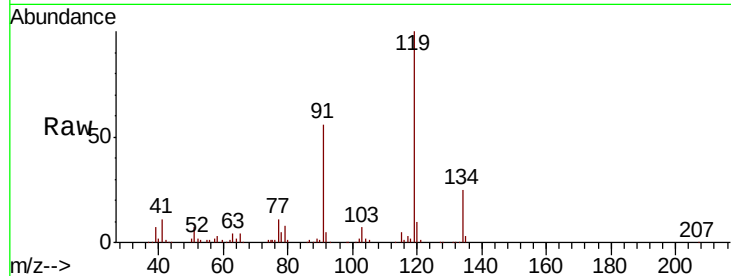




#83
tert-Butylbenzene
Concen: 19.849 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

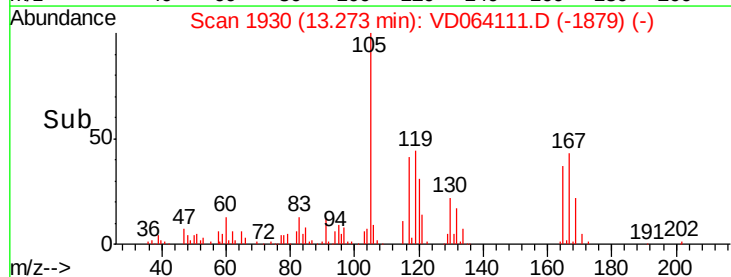
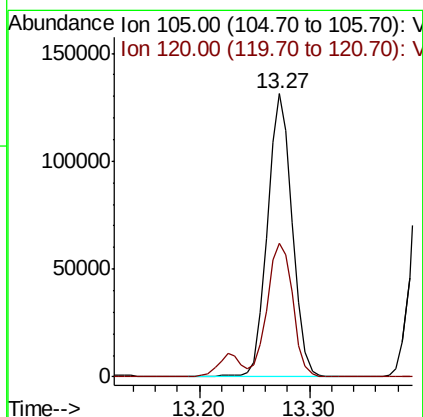
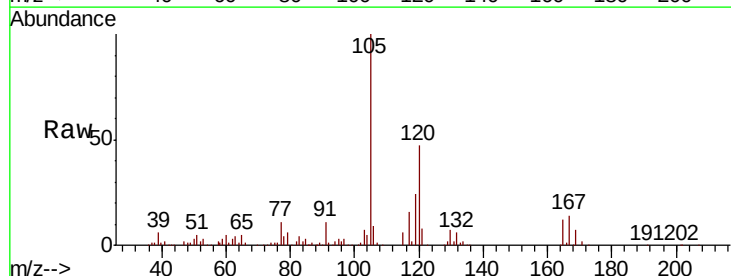
Instrument :
MSVOA_D
ClientSampled :

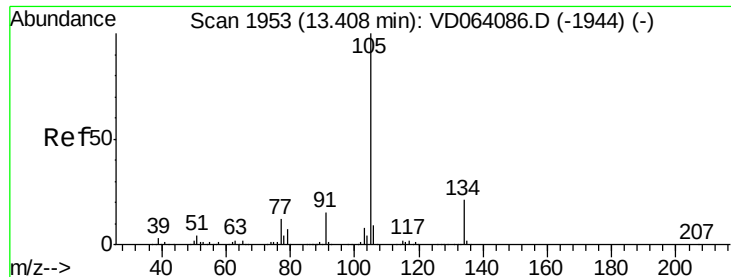
Tot Ion:119 Resp: 180237
Ion Ratio Lower Upper
119 100
91 57.9 28.3 85.0
134 26.8 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 20.221 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion:105 Resp: 205358
Ion Ratio Lower Upper
105 100
120 48.8 24.1 72.4





#85

sec-Butylbenzene

Concen: 19.941 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

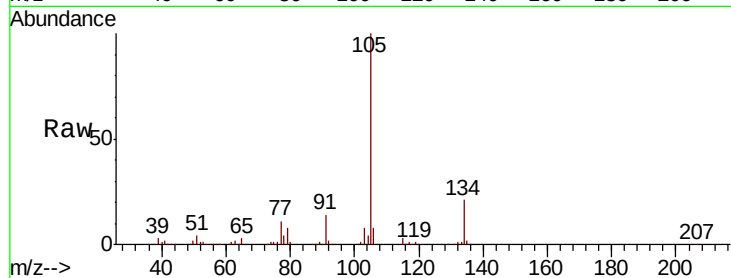
ClientSampleId :

Tot Ion:105 Resp: 248666

Ion Ratio Lower Upper

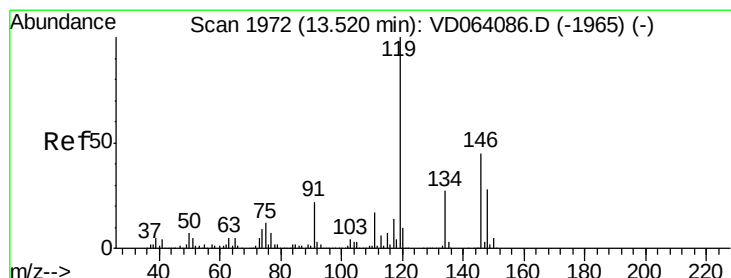
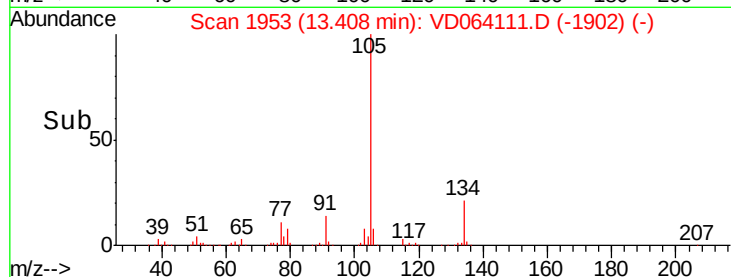
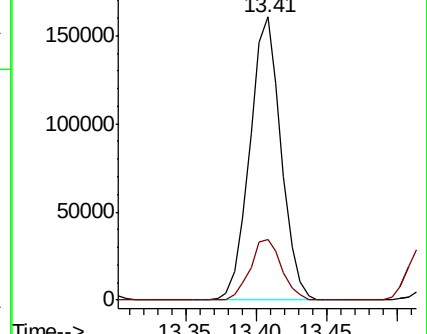
105 100

134 21.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.947 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

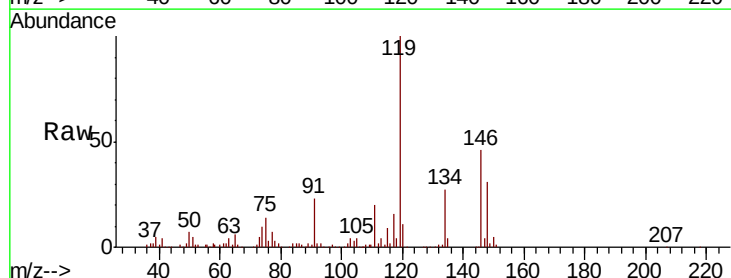
Tgt Ion:119 Resp: 233706

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

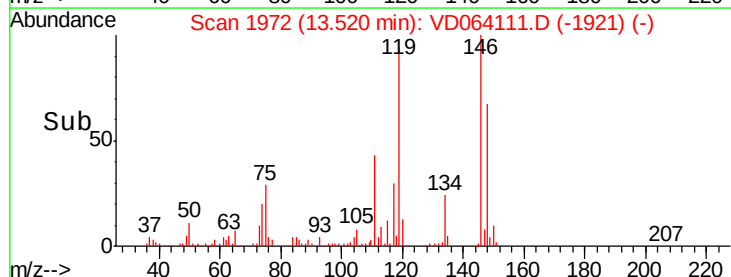
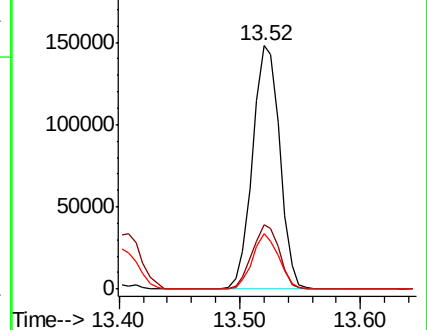
91 22.0 10.9 32.6

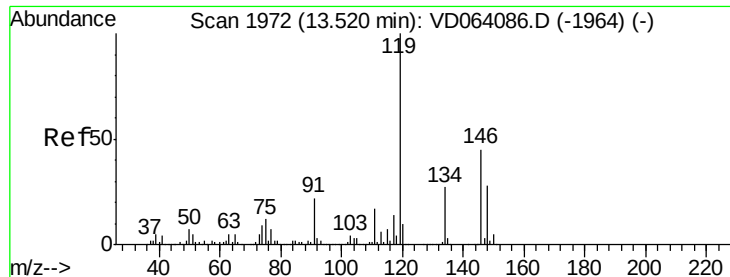


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

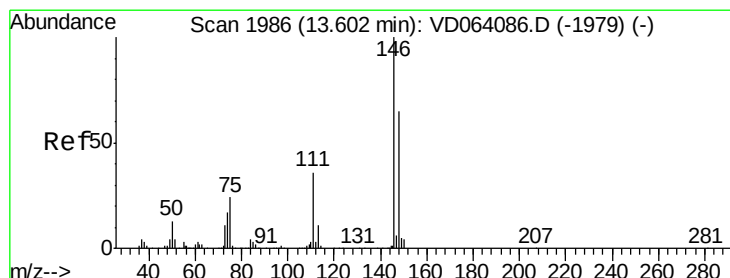
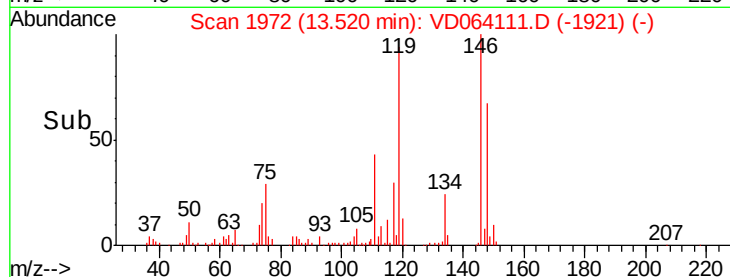
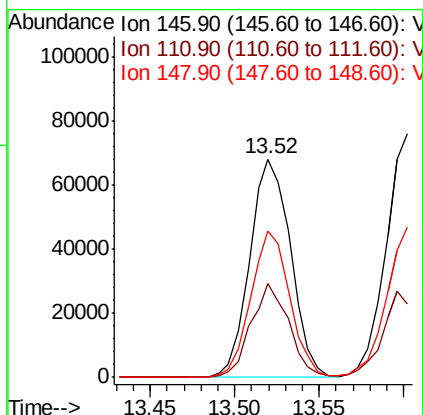
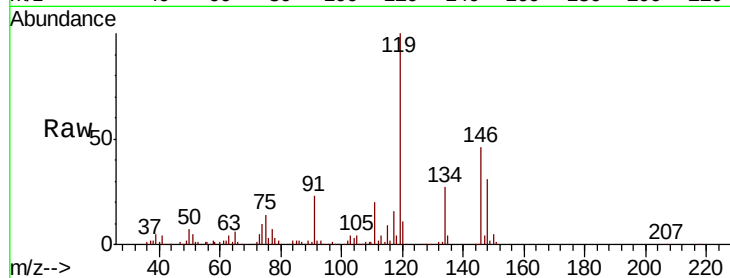




#87
 1,3-Dichlorobenzene
 Concen: 19.566 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

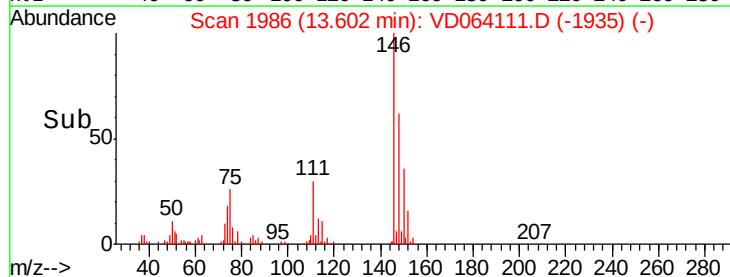
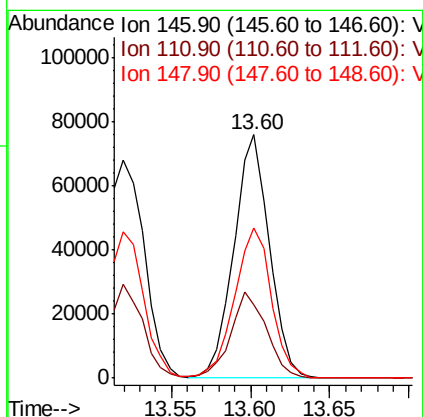
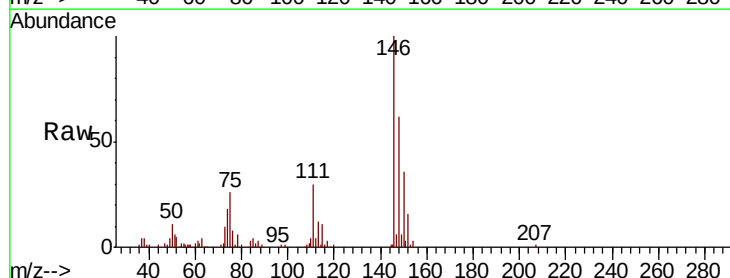
Instrument :
 MSVOA_D
 ClientSampleId :

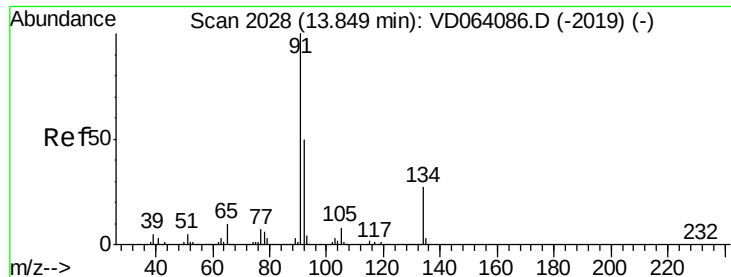
Tot Ion:146 Resp: 114357
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.9 56.9
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.557 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion:146 Resp: 118439
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.4 55.4
 148 64.2 32.4 97.0





#89

n-Butylbenzene

Concen: 20.522 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

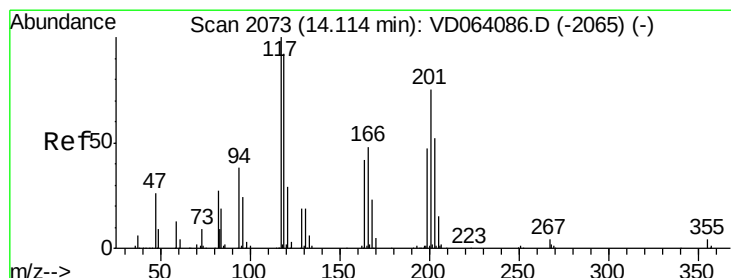
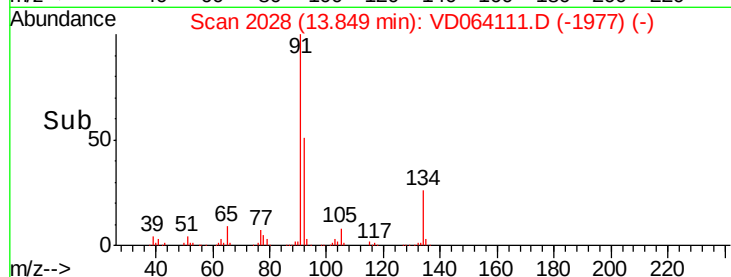
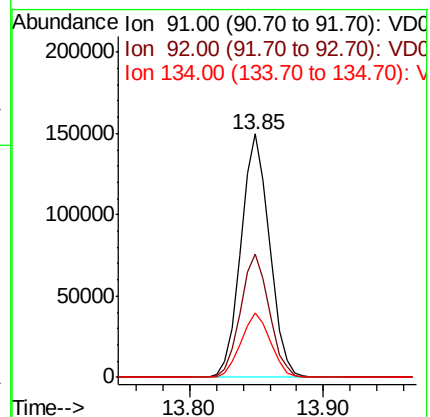
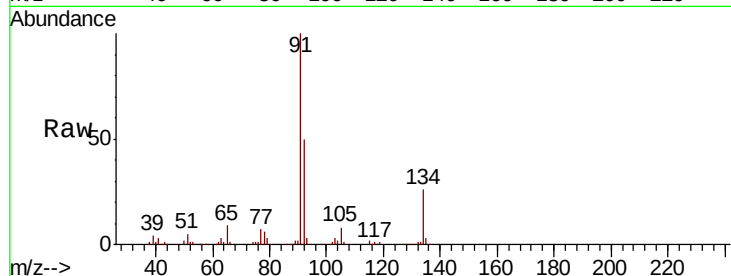
Tot Ion: 91 Resp: 221772

Ion Ratio Lower Upper

91 100

92 50.9 25.6 76.6

134 27.1 14.0 42.0



#90

Hexachloroethane

Concen: 19.197 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD064111.D

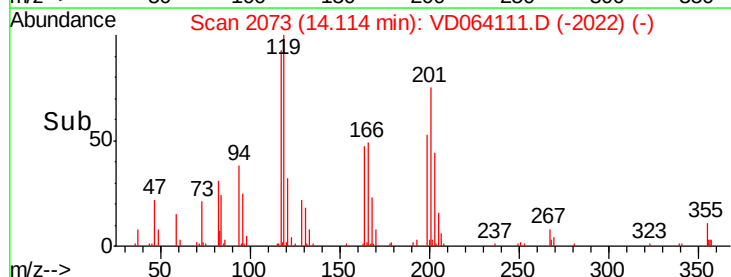
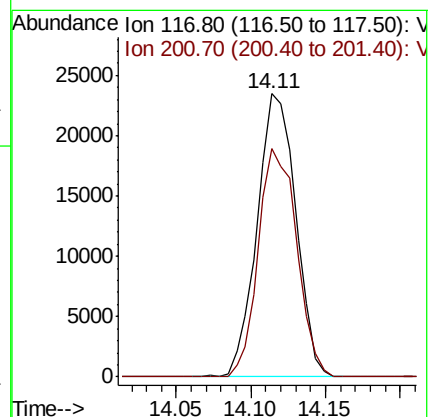
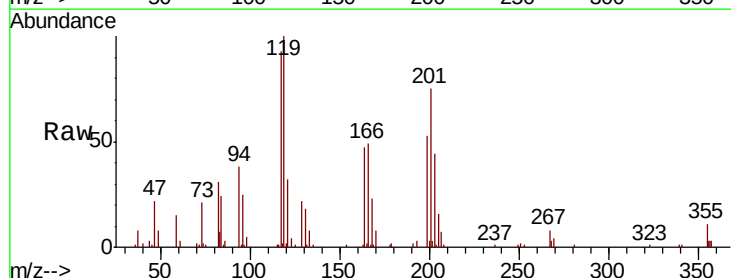
Acq: 30 Oct 2019 13:23

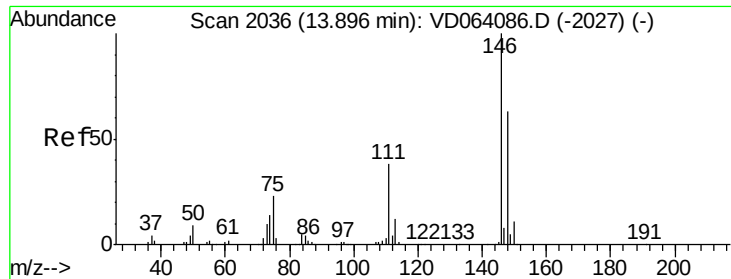
Tgt Ion: 117 Resp: 42109

Ion Ratio Lower Upper

117 100

201 79.9 38.4 115.2

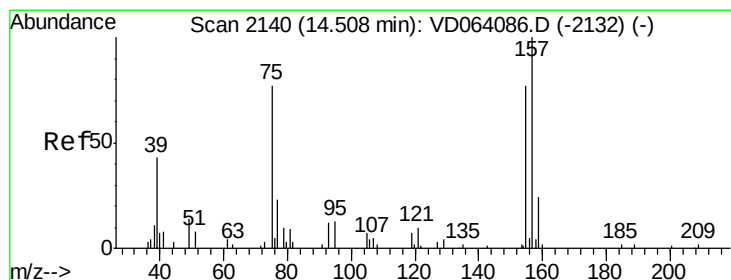
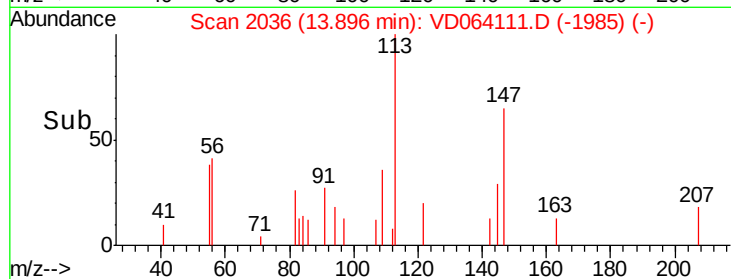
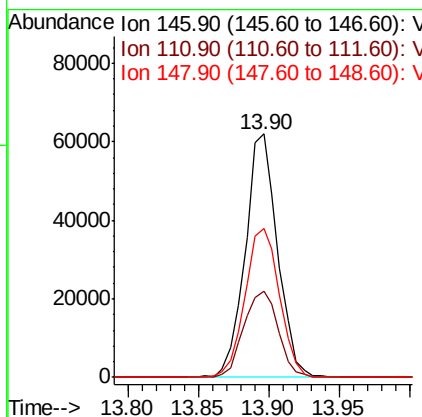
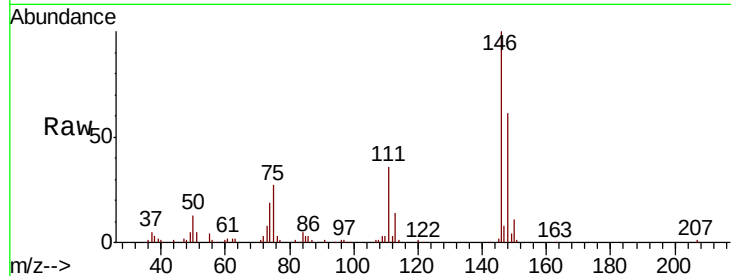




#91
 1,2-Dichlorobenzene
 Concen: 19.753 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

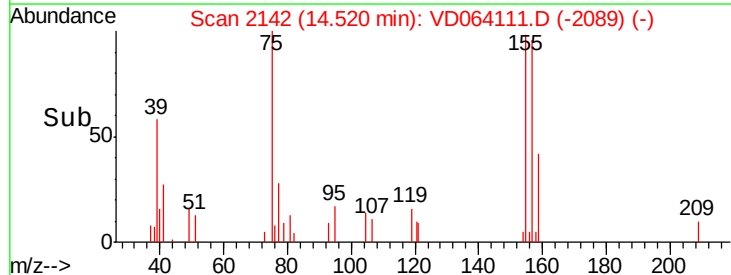
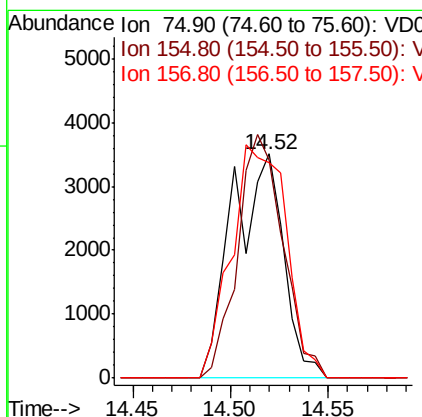
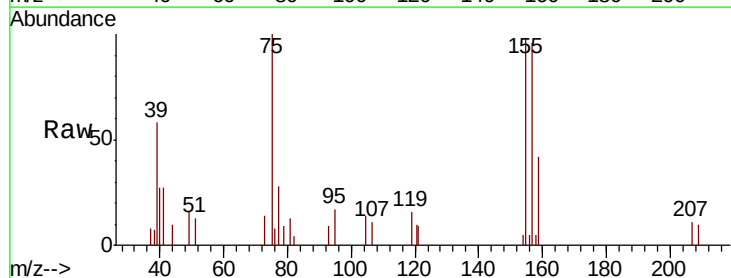
Instrument :
 MSVOA_D
 ClientSampleId :

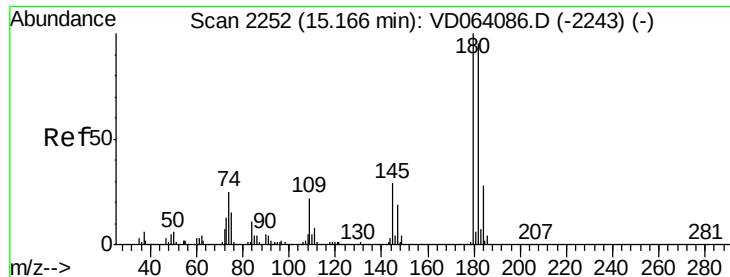
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	65.3	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.954 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	56.3	168.9
157	111.2	72.2	216.6

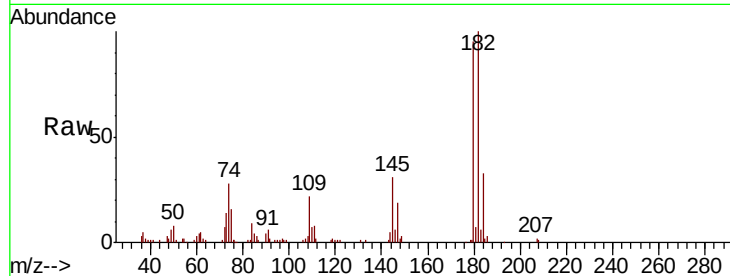




#93
 1,2,4-Trichlorobenzene
 Concen: 20.075 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	46.9	140.7
145	29.4	14.2	42.6

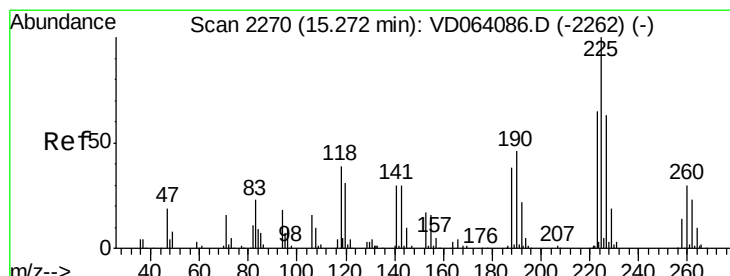
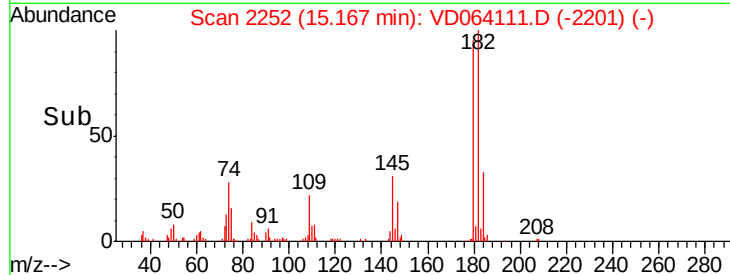
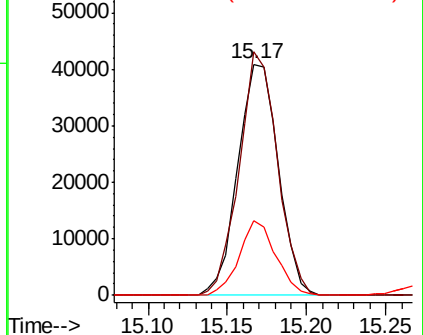


Abundance

Ion 179.80 (179.50 to 180.50): V

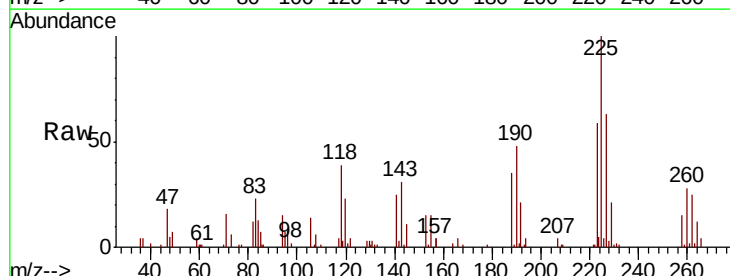
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.109 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.8	92.3
227	64.5	31.7	95.1

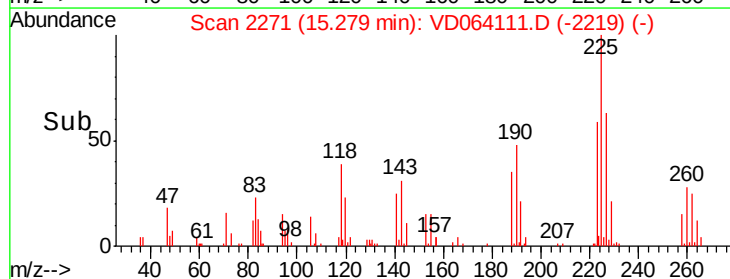
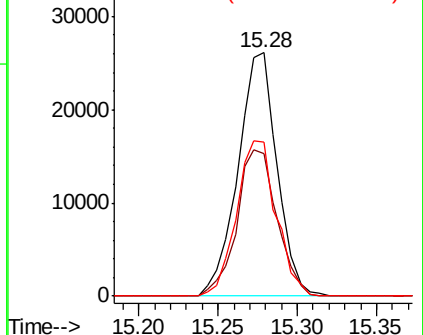


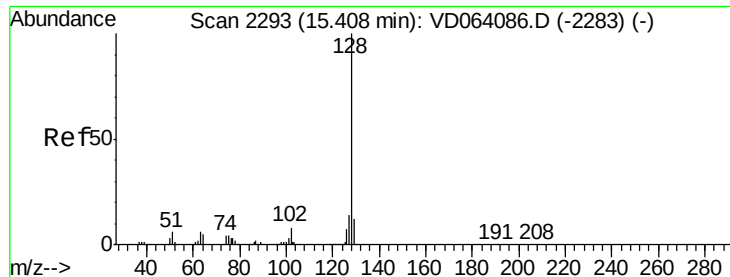
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

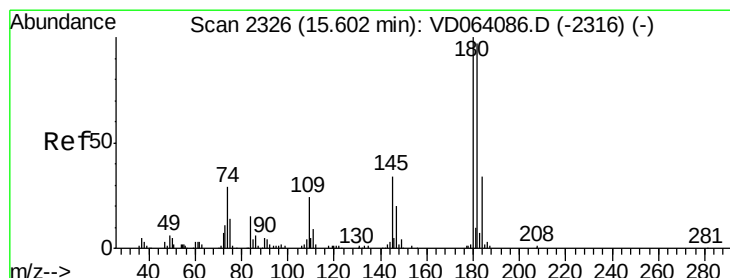
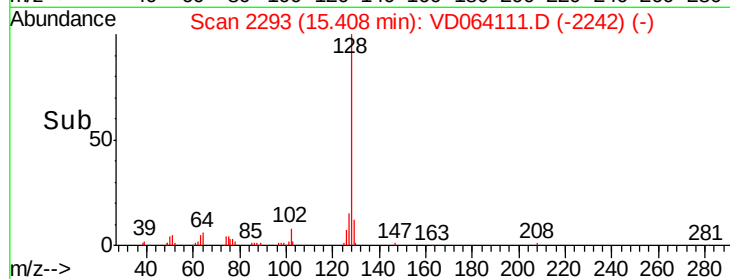
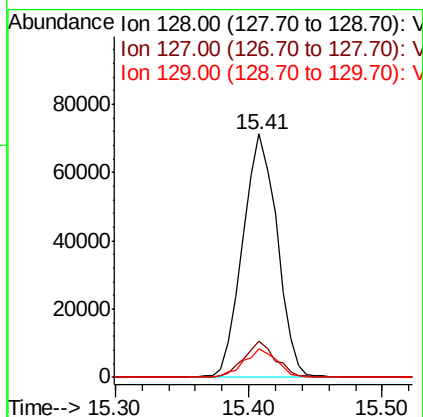
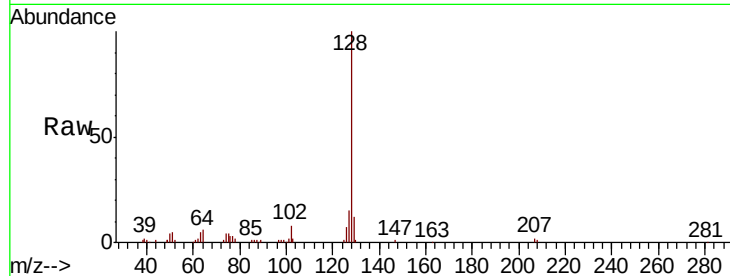




#95
Naphthalene
Concen: 21.590 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 127311
Ion Ratio Lower Upper
128 100
127 13.7 10.9 16.3
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.574 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion:180 Resp: 64435
Ion Ratio Lower Upper
180 100
182 96.1 48.4 145.0
145 31.2 16.4 49.4

