

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064611.D
 Acq On : 26 Dec 2019 20:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:42:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	408494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	617090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	566348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	202203	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	
35) Dibromofluoromethane	7.92	113	201879	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.34	98	766907	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.64	95	247558	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	157069	49.477	ug/l	97
3) Chloromethane	2.21	50	235138	52.961	ug/l	98
4) Vinyl Chloride	2.35	62	275593	50.909	ug/l	95
5) Bromomethane	2.77	94	205467	52.201	ug/l	97
6) Chloroethane	2.92	64	194095	53.510	ug/l	98
7) Trichlorofluoromethane	3.27	101	463960	50.901	ug/l	98
8) Diethyl Ether	3.71	74	99849	55.164	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	188852	50.029	ug/l	99
10) Methyl Iodide	4.30	142	227269	56.049	ug/l	98
11) Tert butyl alcohol	5.26	59	59174	286.647	ug/l	98
12) 1,1-Dichloroethene	4.06	96	185403	51.589	ug/l	98
13) Acrolein	3.92	56	75427	262.174	ug/l	98
14) Allyl chloride	4.71	41	304294	54.306	ug/l	99
15) Acrylonitrile	5.43	53	217719	288.776	ug/l	99
16) Acetone	4.16	43	170420	222.150	ug/l	91
17) Carbon Disulfide	4.40	76	596662	51.345	ug/l	100
18) Methyl Acetate	4.72	43	110577	54.527	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	461873	57.861	ug/l	96
20) Methylene Chloride	4.96	84	223458	61.812	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	220924	53.978	ug/l	96
22) Diisopropyl ether	6.37	45	647572	57.942	ug/l	98
23) Vinyl Acetate	6.31	43	1892077	298.442	ug/l	100
24) 1,1-Dichloroethane	6.27	63	376463	56.109	ug/l	97
25) 2-Butanone	7.22	43	271055	273.760	ug/l	100
26) 2,2-Dichloropropane	7.21	77	305239	48.931	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	248869	56.342	ug/l	98
28) Bromochloromethane	7.55	49	141205	54.139	ug/l	97
29) Tetrahydrofuran	7.57	42	174692	283.715	ug/l	100
30) Chloroform	7.71	83	395706	56.213	ug/l	99
31) Cyclohexane	7.98	56	321157	47.818	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	347586	52.570	ug/l	100
36) 1,1-Dichloropropene	8.11	75	294369	49.561	ug/l	99
37) Ethyl Acetate	7.30	43	127314	54.563	ug/l	98
38) Carbon Tetrachloride	8.10	117	321444	50.755	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	352983	49.068	ug/l	94
40) Benzene	8.35	78	860532	53.073	ug/l	99
41) Methacrylonitrile	7.53	41	72797	53.772	ug/l	93
42) 1,2-Dichloroethane	8.43	62	254677	54.355	ug/l	100
43) Isopropyl Acetate	8.46	43	252245	54.313	ug/l	99
44) Trichloroethene	9.11	130	245207	51.479	ug/l	100
45) 1,2-Dichloropropane	9.39	63	212419	54.870	ug/l	99
46) Dibromomethane	9.48	93	118410	54.860	ug/l	96
47) Bromodichloromethane	9.67	83	318260	55.413	ug/l	99
48) Methyl methacrylate	9.46	41	116390	53.224	ug/l	92
49) 1,4-Dioxane	9.47	88	28028	1126.173	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	635210	276.710	ug/l	99
52) Toluene	10.40	92	567778	53.374	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	293301	54.774	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	343404	54.388	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	156466	53.790	ug/l	97
56) Ethyl methacrylate	10.66	69	206268	56.780	ug/l	98
57) 1,3-Dichloropropane	10.95	76	278260	55.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	339596	245.366	ug/l	100
59) 2-Hexanone	10.99	43	421136	270.296	ug/l	99
60) Dibromochloromethane	11.14	129	224138	55.721	ug/l	100
61) 1,2-Dibromoethane	11.25	107	158605	55.282	ug/l	100
64) Tetrachloroethene	10.88	164	211418	48.659	ug/l	97
65) Chlorobenzene	11.67	112	611402	52.014	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	238698	53.867	ug/l	98
67) Ethyl Benzene	11.75	91	1092329	51.199	ug/l	96
68) m/p-Xylenes	11.86	106	842432	102.300	ug/l	98
69) o-Xylene	12.18	106	390349	52.479	ug/l	99
70) Styrene	12.20	104	700490	53.652	ug/l	99
71) Bromoform	12.36	173	137748	54.510	ug/l #	98
73) Isopropylbenzene	12.48	105	1023776	50.289	ug/l	100
74) N-amyl acetate	12.29	43	235362	54.084	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	169393	52.968	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	222361	98.847	ug/l #	100
77) Bromobenzene	12.76	156	263032	52.583	ug/l	98
78) n-propylbenzene	12.83	91	1196562	50.382	ug/l	100
79) 2-Chlorotoluene	12.91	91	672844	51.572	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	856183	51.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55411	51.517	ug/l	99
82) 4-Chlorotoluene	13.01	91	716461	51.602	ug/l	99
83) tert-Butylbenzene	13.23	119	748710	51.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	865300	51.955	ug/l	100
85) sec-Butylbenzene	13.41	105	998388	50.156	ug/l	99
86) p-Isopropyltoluene	13.52	119	958933	50.381	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	497812	52.204	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	485205	51.795	ug/l	99
89) n-Butylbenzene	13.85	91	854976	49.881	ug/l	99
90) Hexachloroethane	14.12	117	182973	50.325	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	425879	52.376	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26494	51.104	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

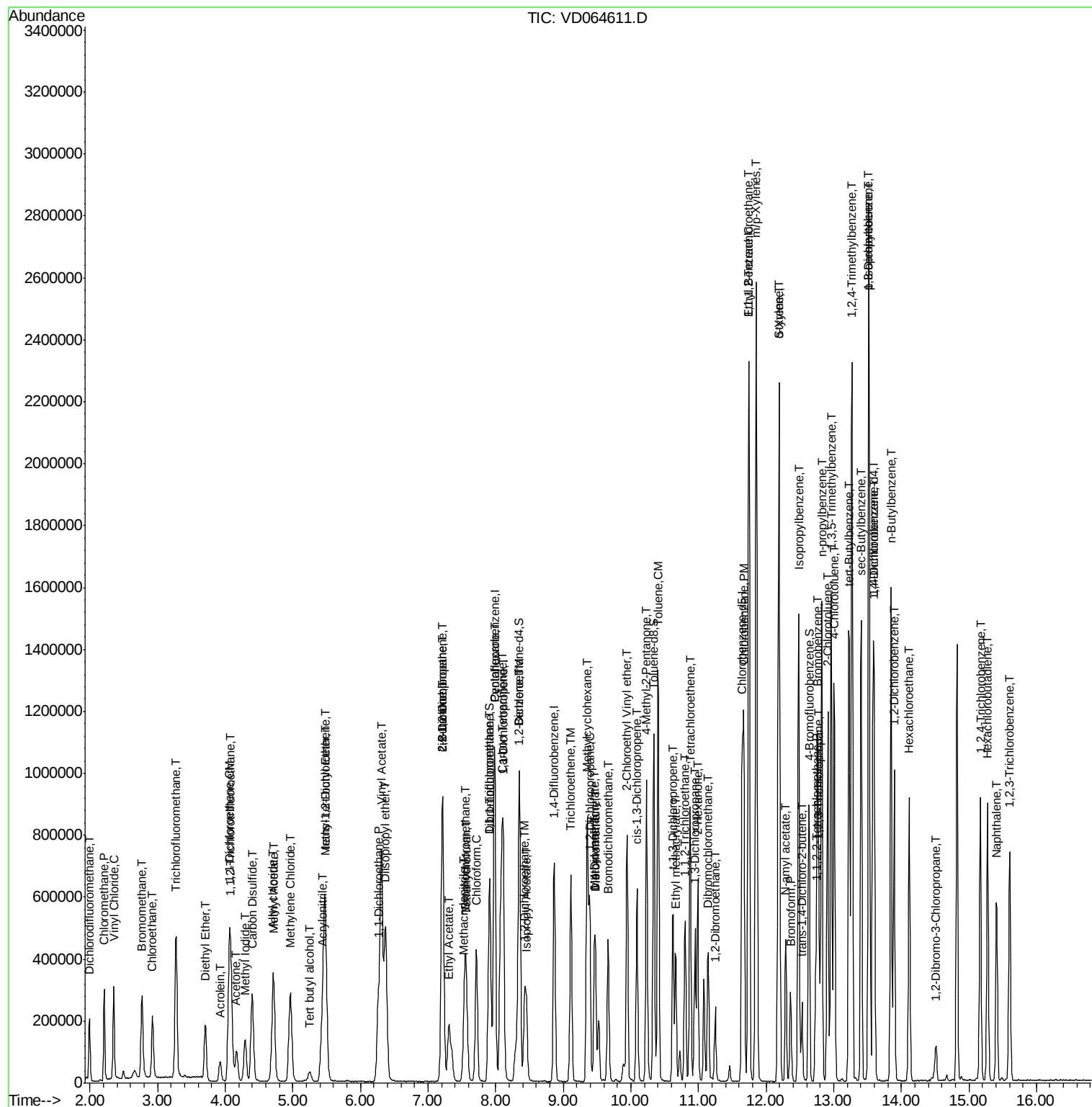
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	313500	52.362	ug/l	99
94) Hexachlorobutadiene	15.28	225	184117	48.869	ug/l	99
95) Naphthalene	15.41	128	521655	55.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	274347	53.675	ug/l	98

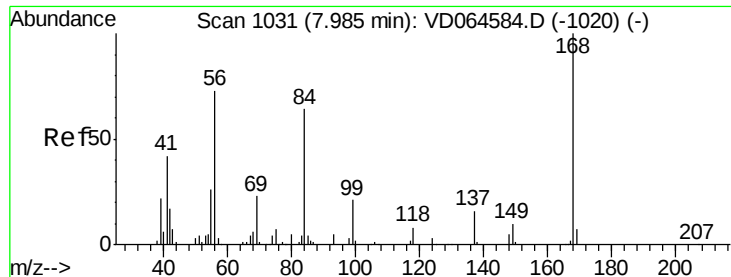
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

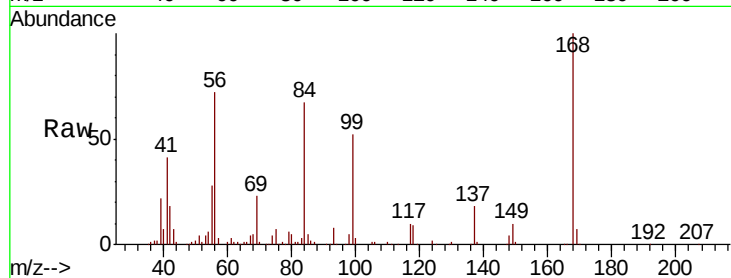
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 408494

Ion Ratio Lower Upper

168 100

99 51.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

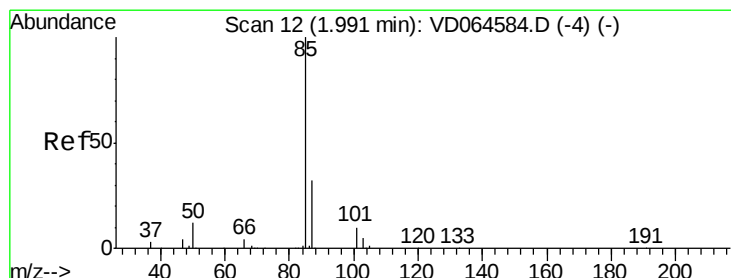
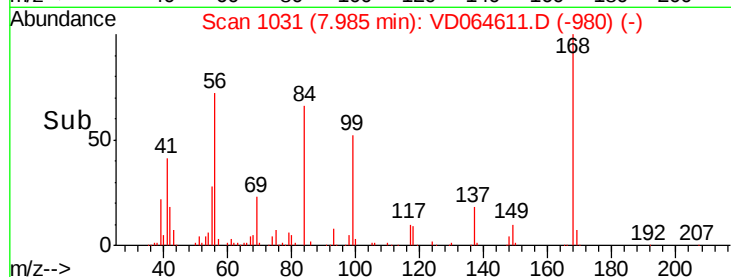
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.477 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064611.D

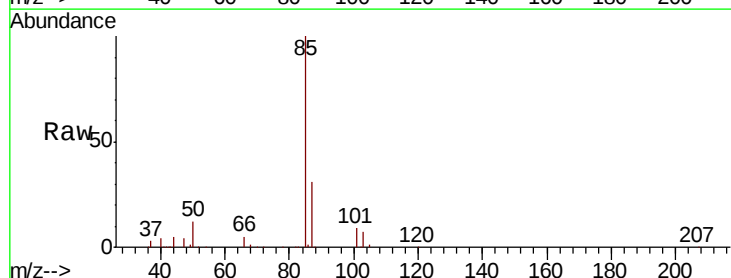
Acq: 26 Dec 2019 20:53

Tgt Ion: 85 Resp: 157069

Ion Ratio Lower Upper

85 100

87 30.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

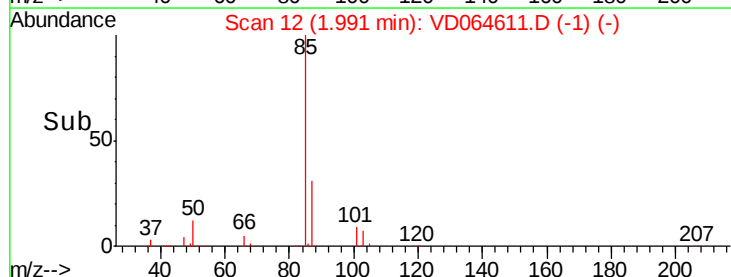
40000

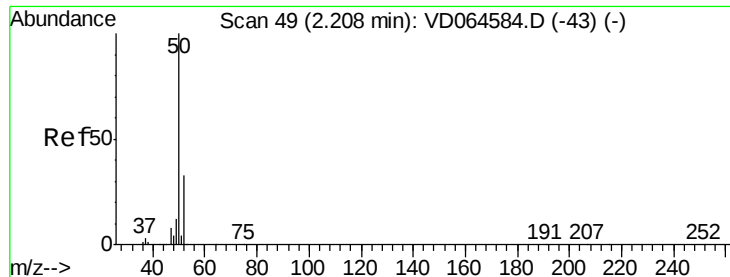
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 52.961 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

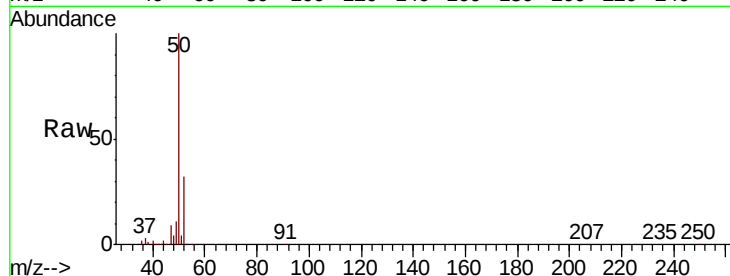
ClientSampleId :

Tot Ion: 50 Resp: 235138

Ion Ratio Lower Upper

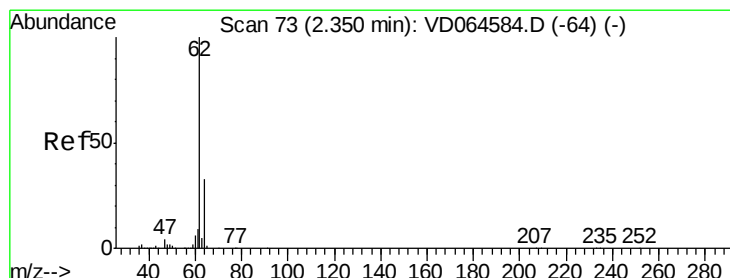
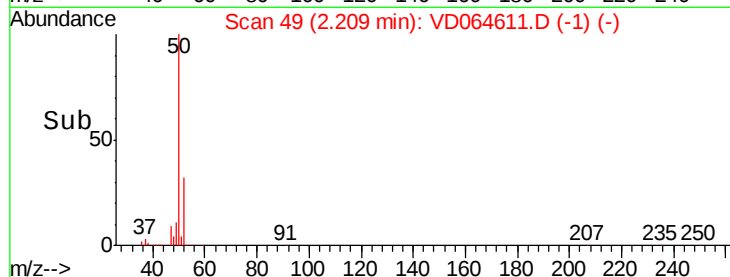
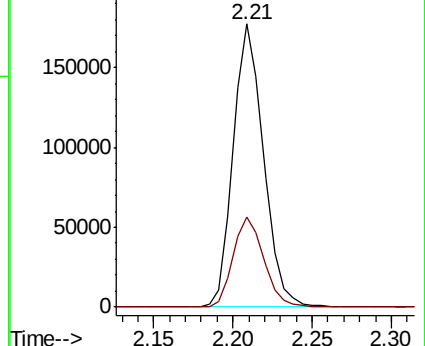
50 100

52 31.9 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: 50.909 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064611.D

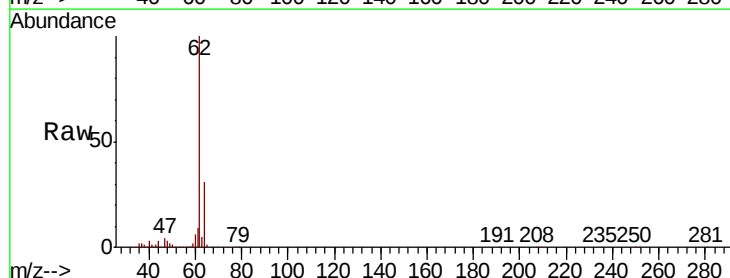
Acq: 26 Dec 2019 20:53

Tgt Ion: 62 Resp: 275593

Ion Ratio Lower Upper

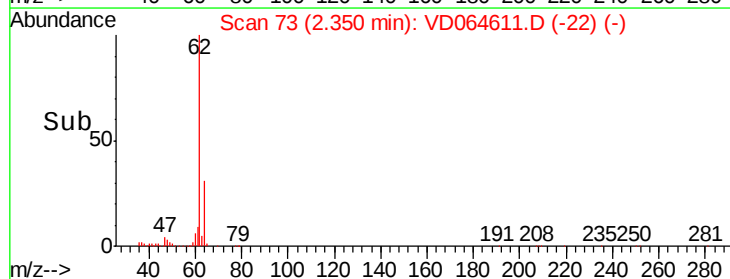
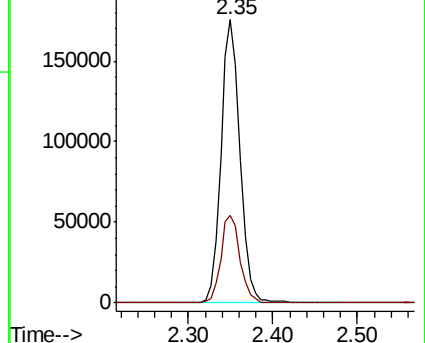
62 100

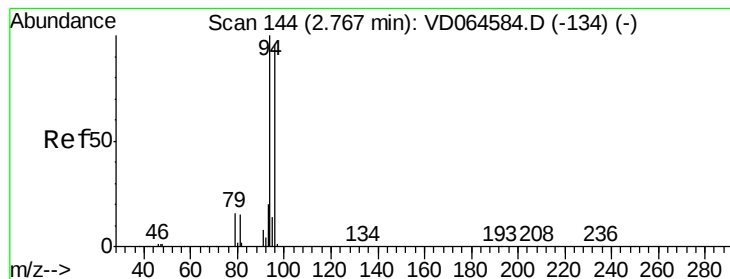
64 30.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.201 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

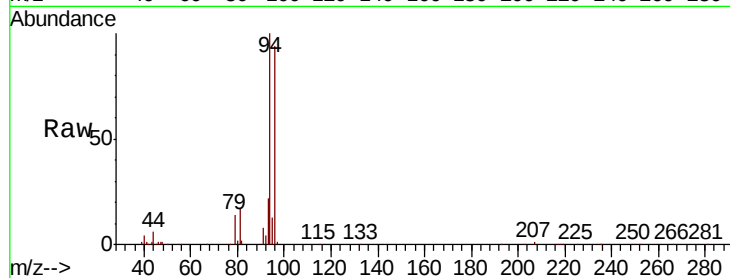
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 205467

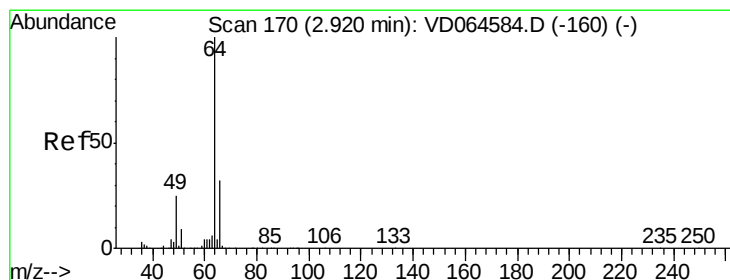
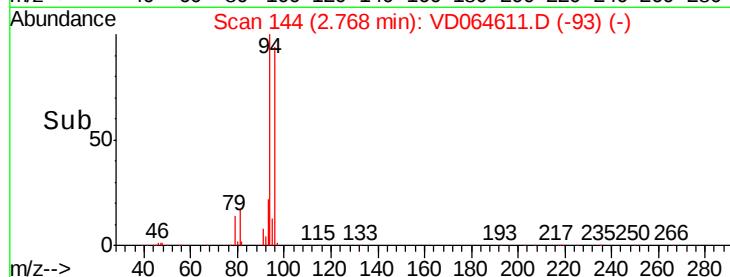
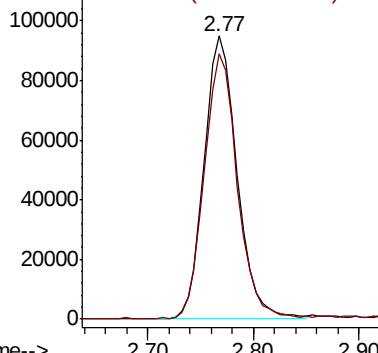
Ion Ratio Lower Upper

94 100

96 93.5 77.2 115.8



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



#6

Chloroethane

Concen: 53.510 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064611.D

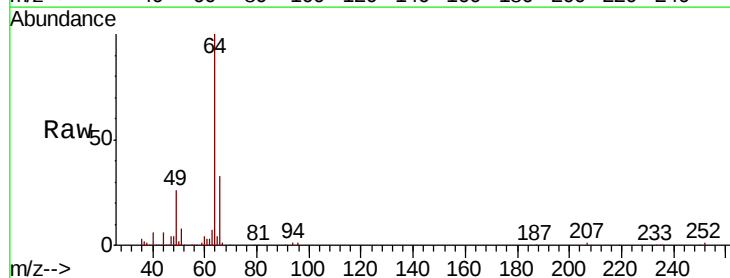
Acq: 26 Dec 2019 20:53

Tgt Ion: 64 Resp: 194095

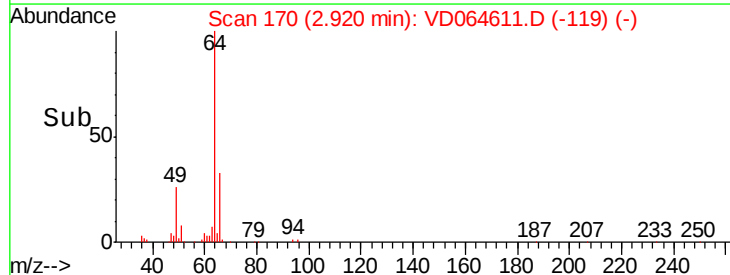
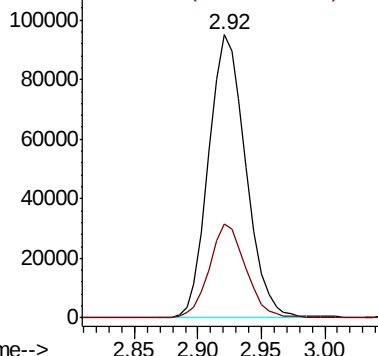
Ion Ratio Lower Upper

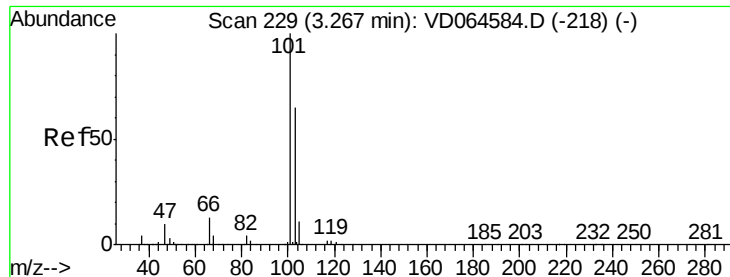
64 100

66 33.3 25.9 38.9



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



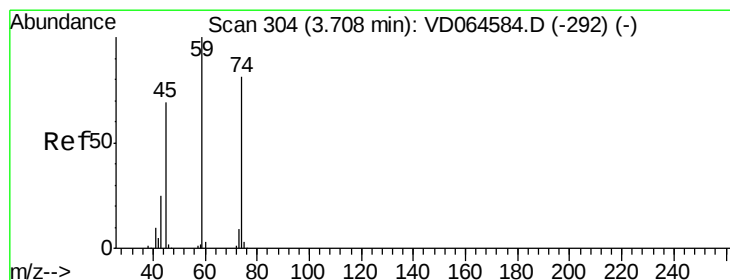
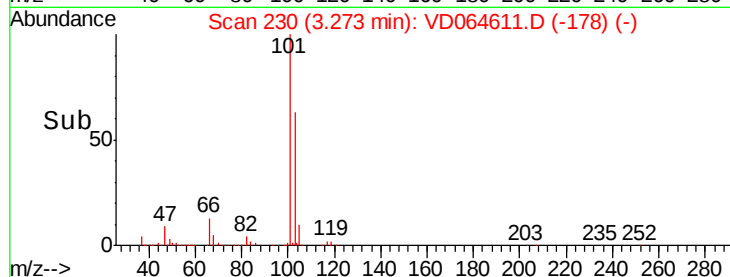
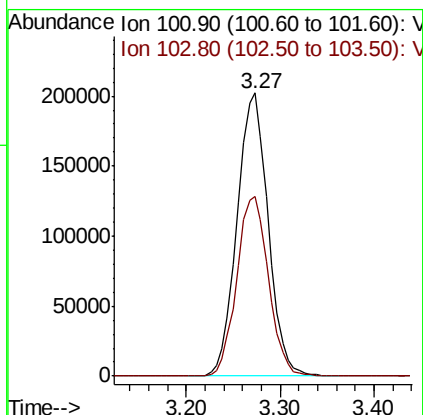
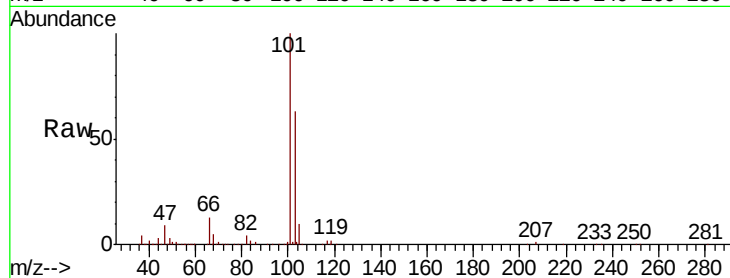


#7

Trichlorofluoromethane
 Concen: 50.901 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :

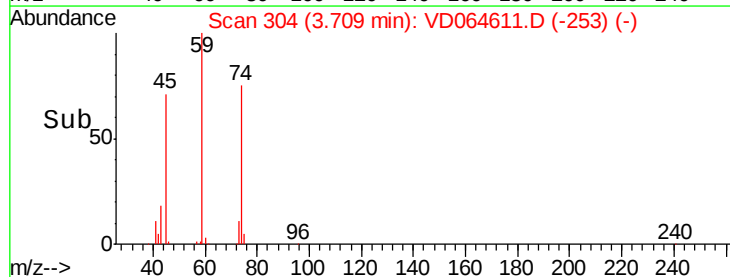
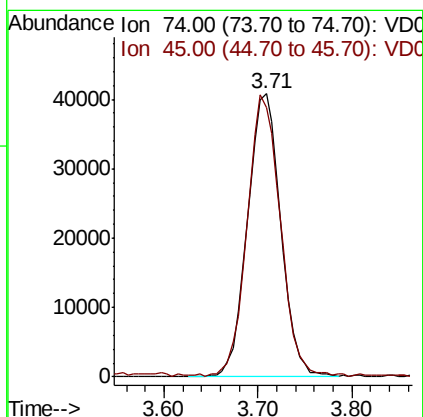
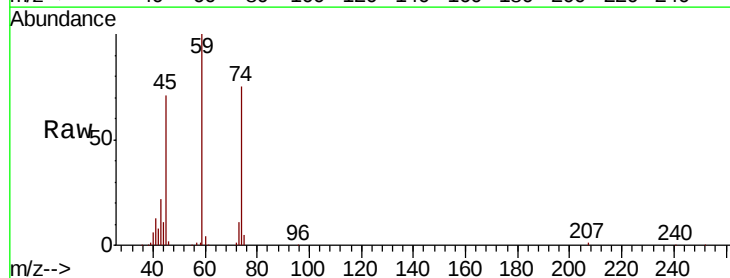
Tot Ion:101 Resp: 463960
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.2 78.4



#8

Diethyl Ether
 Concen: 55.164 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion: 74 Resp: 99849
 Ion Ratio Lower Upper
 74 100
 45 99.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.029 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

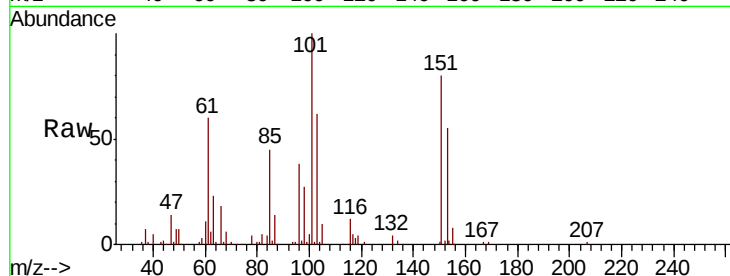
Tot Ion:101 Resp: 188852

Ion Ratio Lower Upper

101 100

85 45.1 35.2 52.8

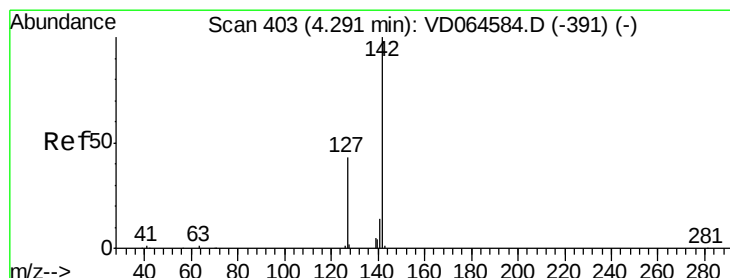
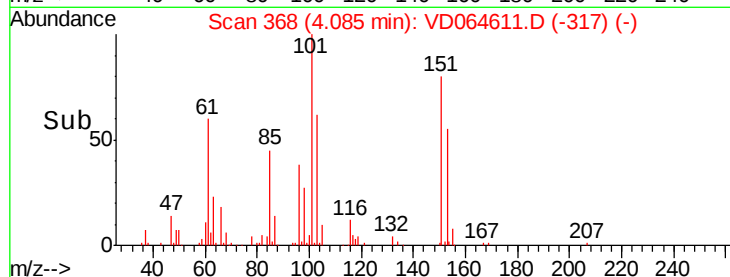
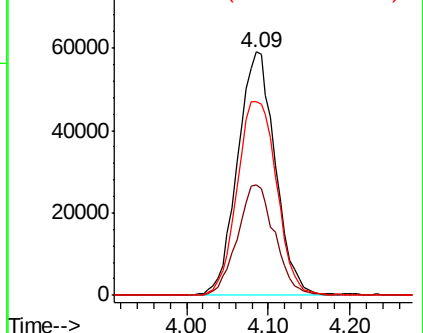
151 83.7 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.049 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

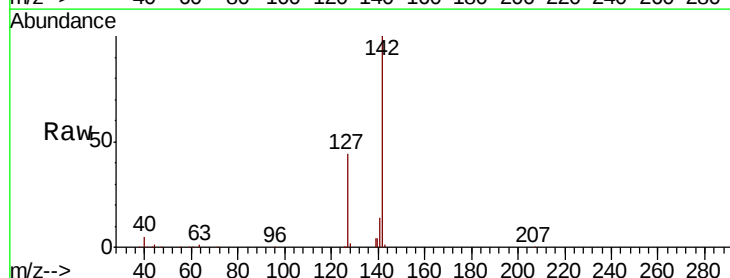
Tgt Ion:142 Resp: 227269

Ion Ratio Lower Upper

142 100

127 44.1 36.2 54.4

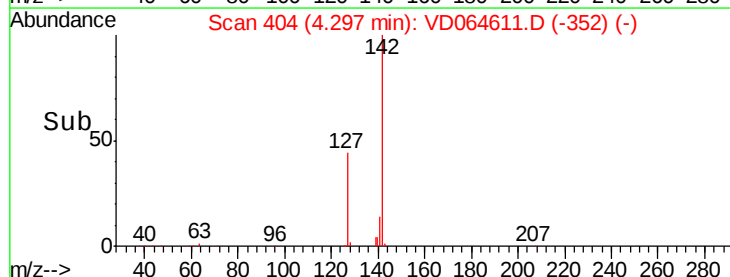
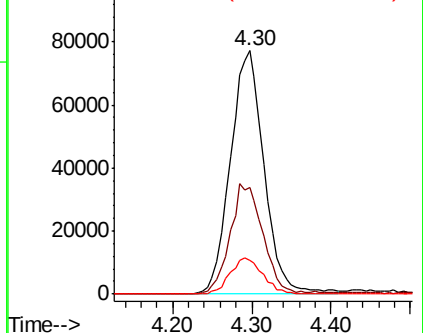
141 14.4 11.8 17.8

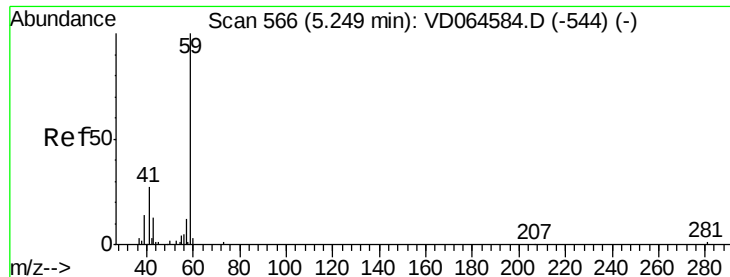


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



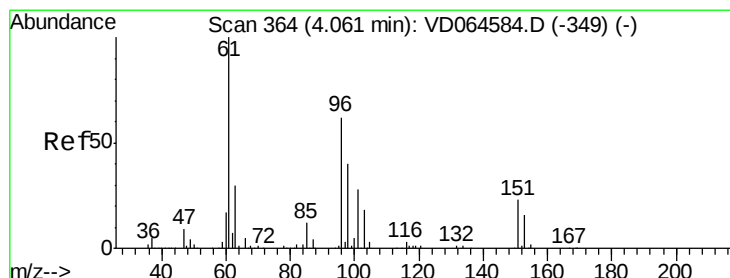
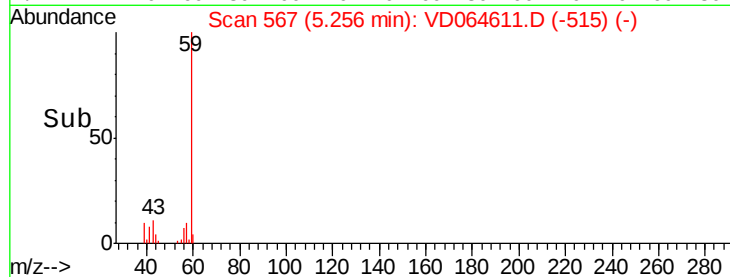
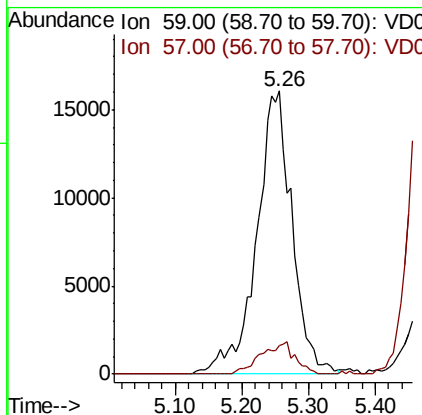
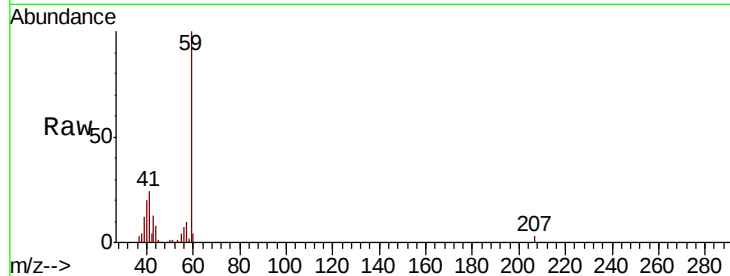


#11

Tert butyl alcohol
 Concen: 286.647 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :

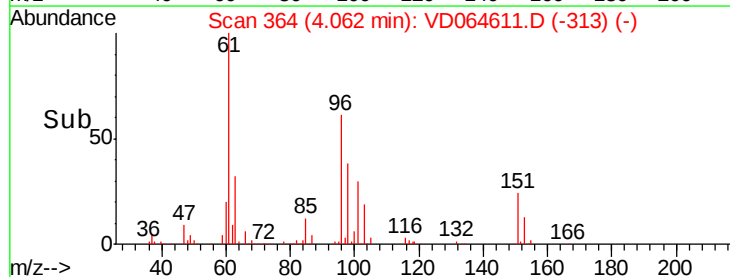
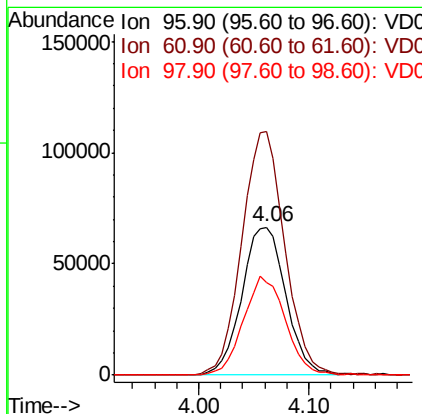
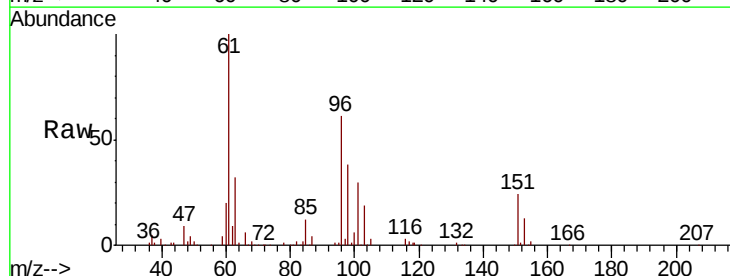
Tot Ion: 59 Resp: 59174
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.3 13.9

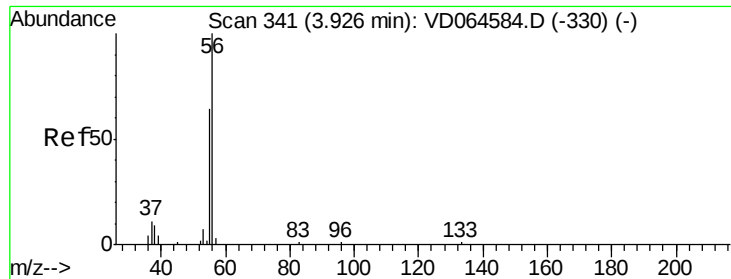


#12

1,1-Dichloroethene
 Concen: 51.589 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion: 96 Resp: 185403
 Ion Ratio Lower Upper
 96 100
 61 164.7 129.4 194.0
 98 62.2 51.4 77.0

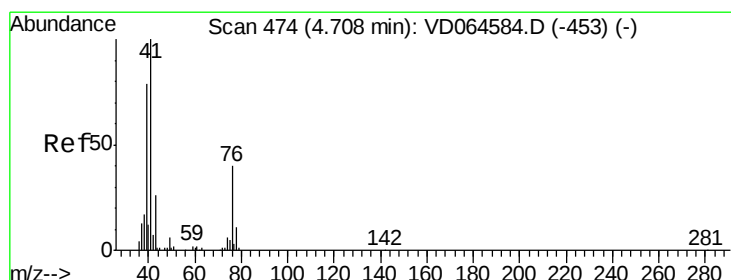
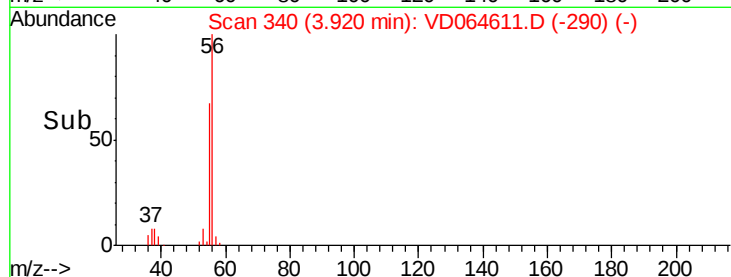
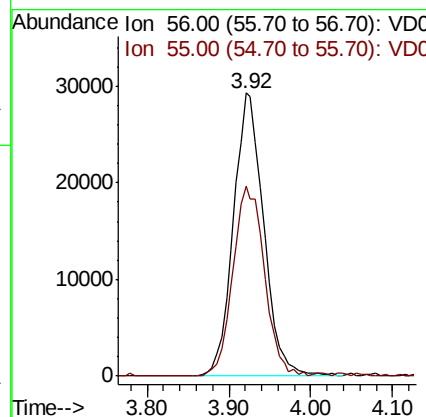
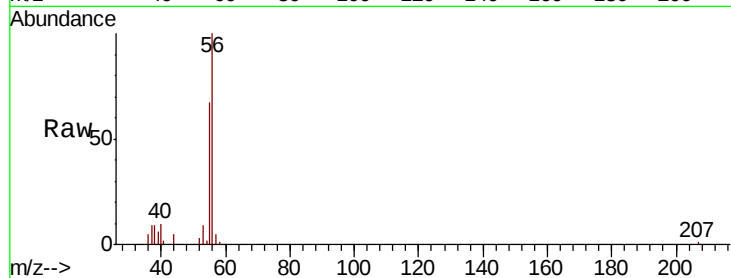




#13
Acrolein
Concen: 262.174 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

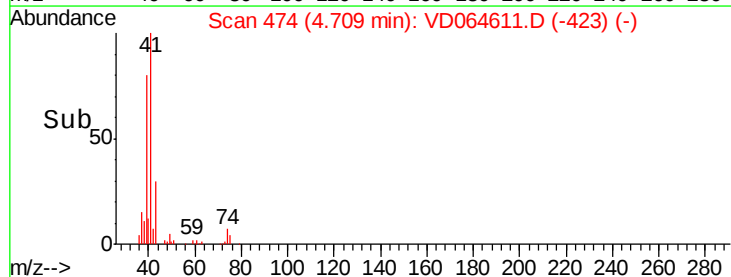
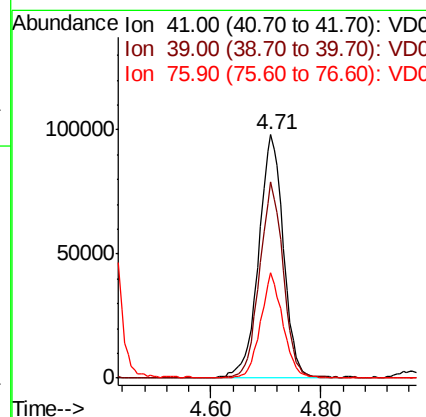
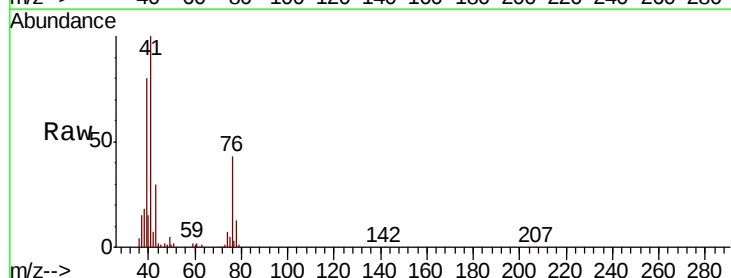
Instrument :
MSVOA_D
ClientSampleId :

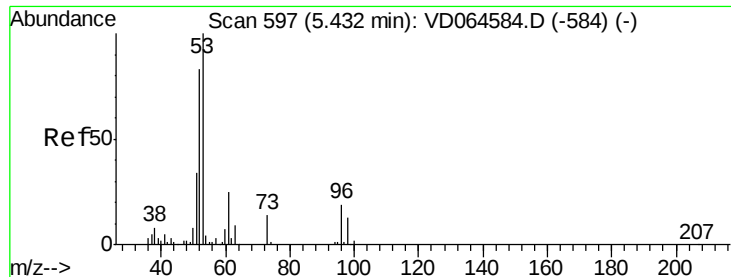
Tot Ion: 56 Resp: 75427
Ion Ratio Lower Upper
56 100
55 69.6 56.7 85.1



#14
Allyl chloride
Concen: 54.306 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 41 Resp: 304294
Ion Ratio Lower Upper
41 100
39 77.4 62.3 93.5
76 38.2 29.7 44.5

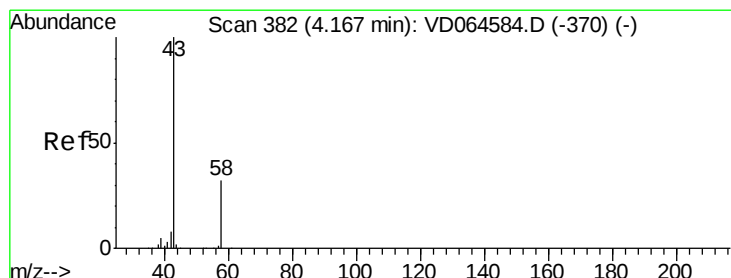
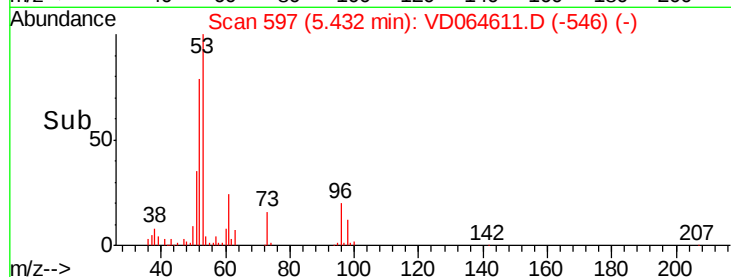
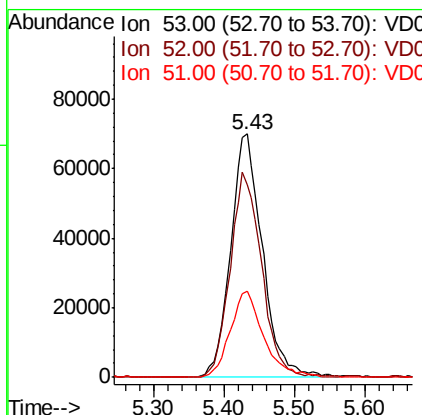
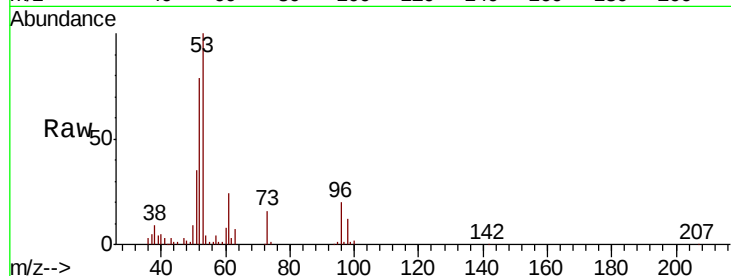




#15
 Acrylonitrile
 Concen: 288.776 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

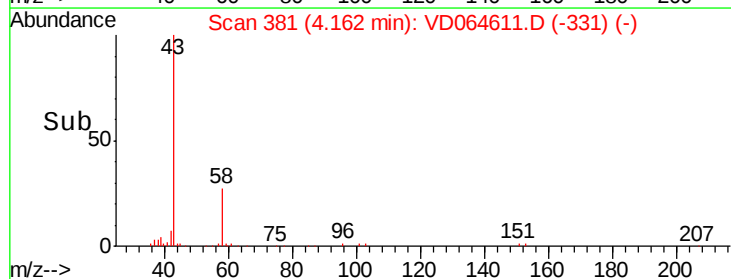
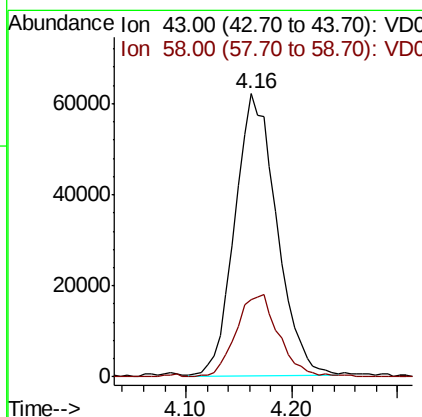
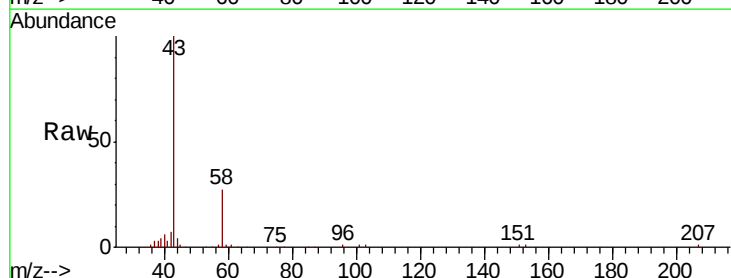
Instrument :
 MSVOA_D
 ClientSampleId :

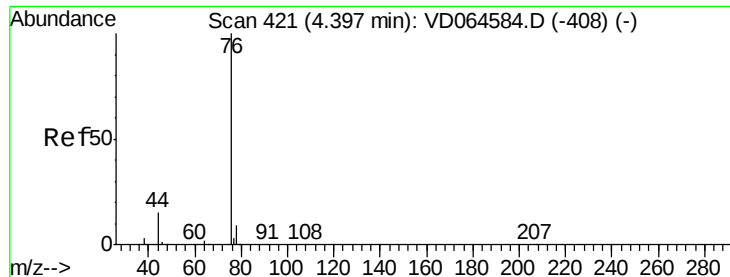
Tot Ion: 53 Resp: 217719
 Ion Ratio Lower Upper
 53 100
 52 83.8 66.2 99.2
 51 37.3 30.1 45.1



#16
 Acetone
 Concen: 222.150 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion: 43 Resp: 170420
 Ion Ratio Lower Upper
 43 100
 58 27.1 25.8 38.6

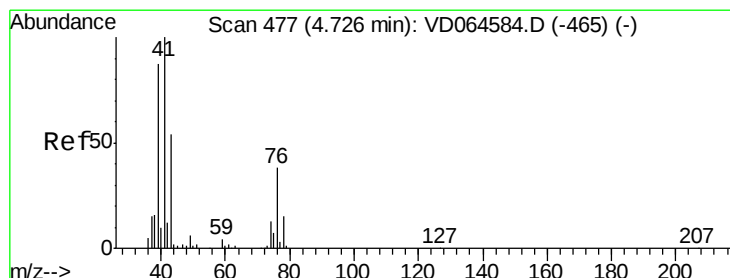
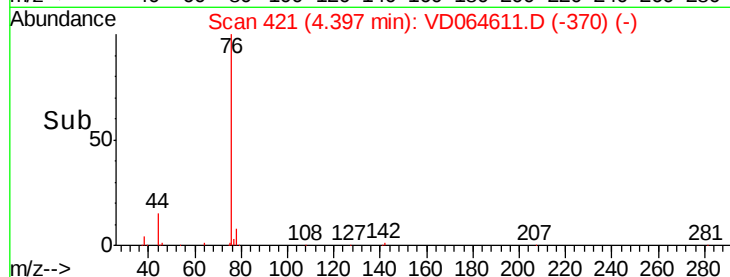
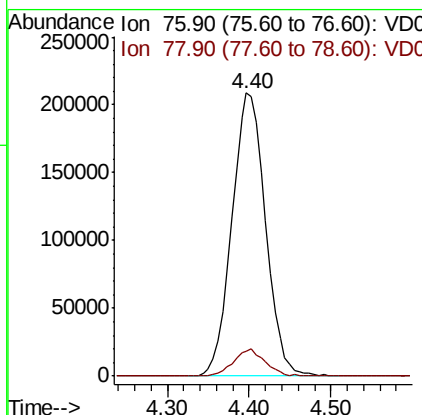
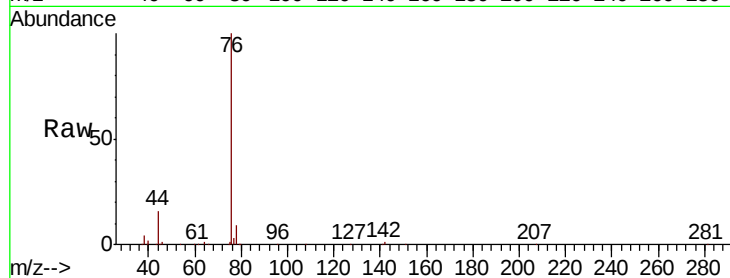




#17
Carbon Disulfide
Concen: 51.345 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

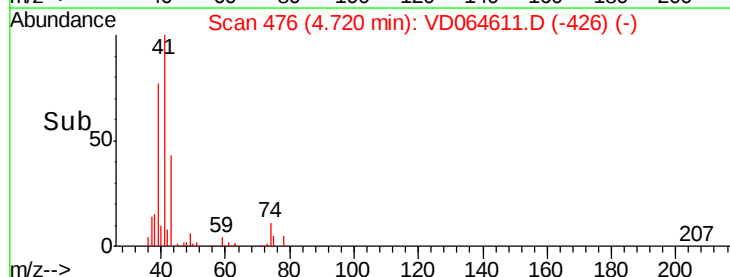
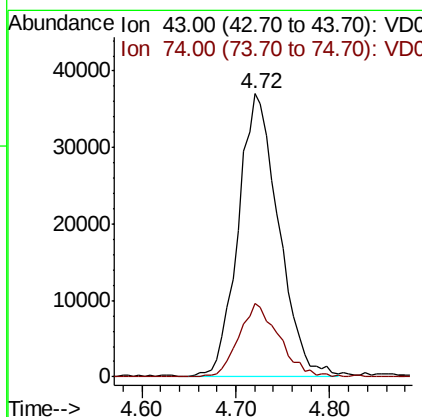
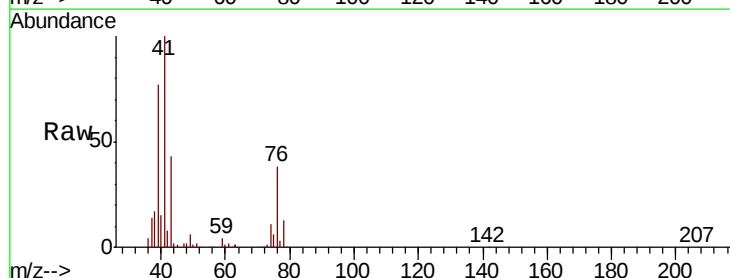
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 596662
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 54.527 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 43 Resp: 110577
Ion Ratio Lower Upper
43 100
74 25.5 19.2 28.8

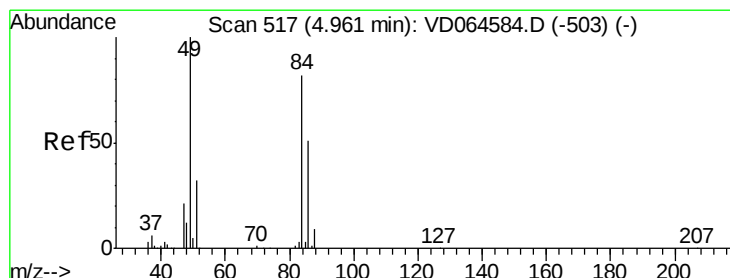
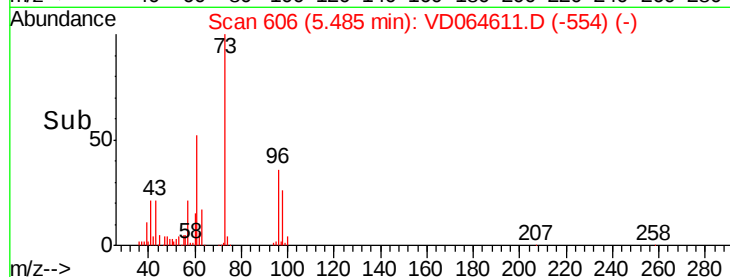
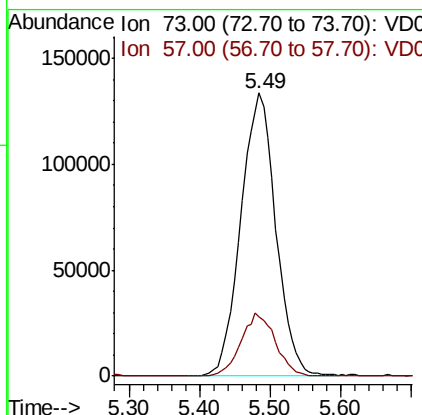
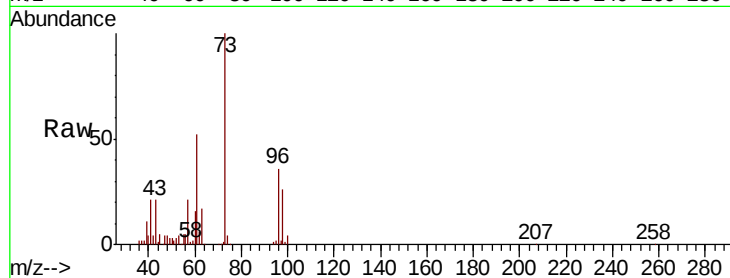




#19
Methvl tert-butvl Ether
Concen: 57.861 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

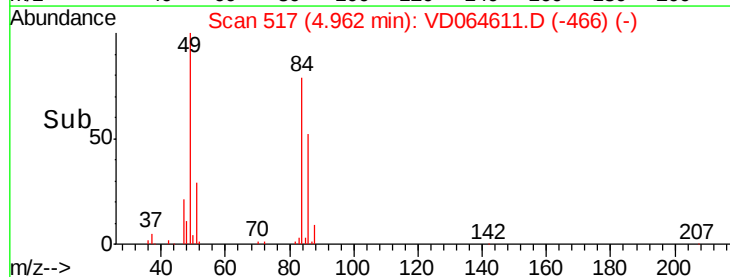
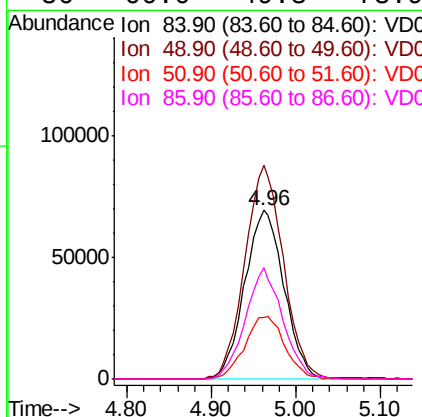
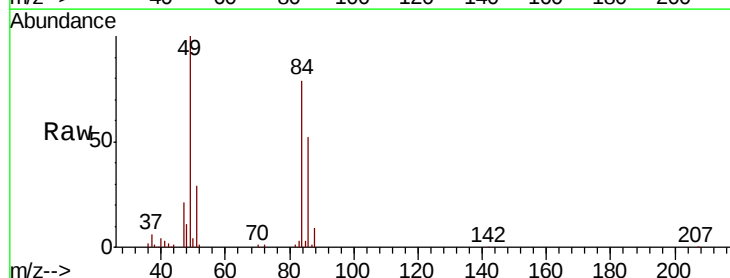
Instrument :
MSVOA_D
ClientSampleId :

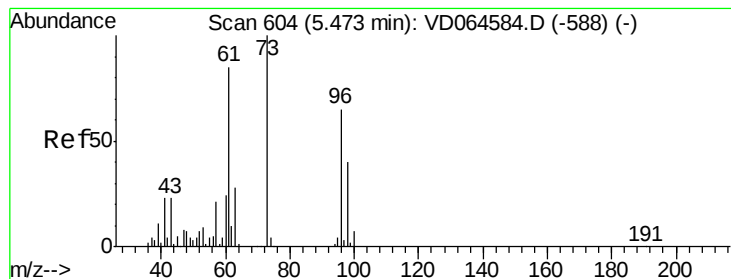
Tot Ion: 73 Resp: 461873
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8



#20
Methylene Chloride
Concen: 61.812 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 84 Resp: 223458
Ion Ratio Lower Upper
84 100
49 126.6 97.2 145.8
51 36.1 31.4 47.0
86 66.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 53.978 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampled :

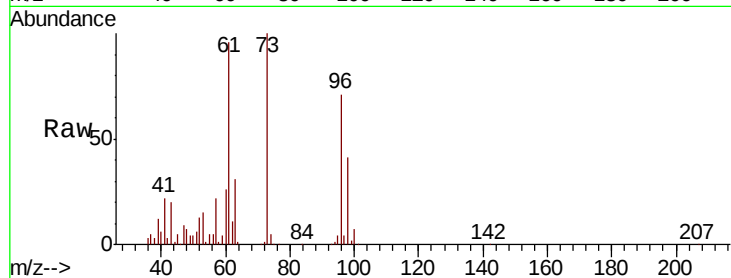
Tot Ion: 96 Resp: 220924

Ion Ratio Lower Upper

96 100

61 134.2 104.7 157.1

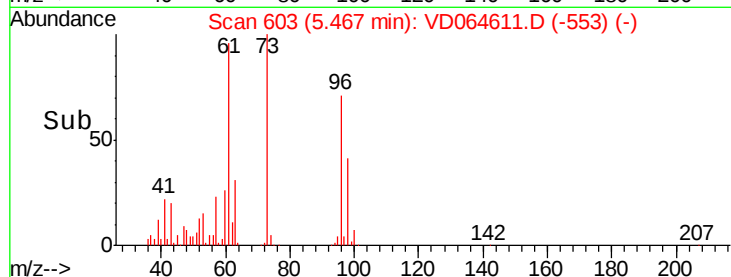
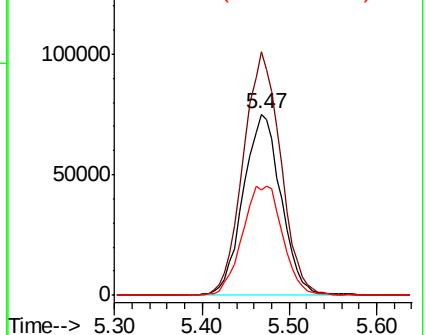
98 57.9 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 57.942 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Tgt Ion: 45 Resp: 647572

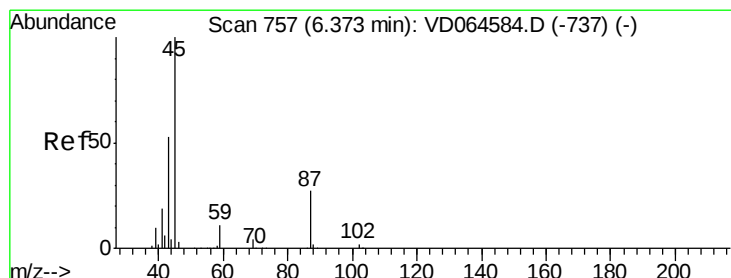
Ion Ratio Lower Upper

45 100

43 55.0 43.2 64.8

87 29.5 21.9 32.9

59 11.6 9.0 13.4

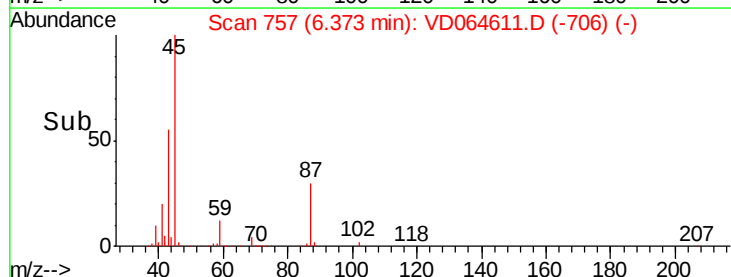
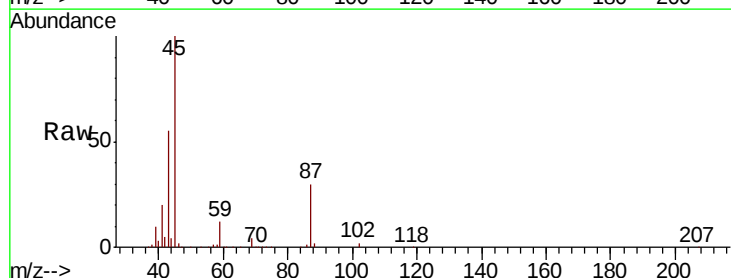
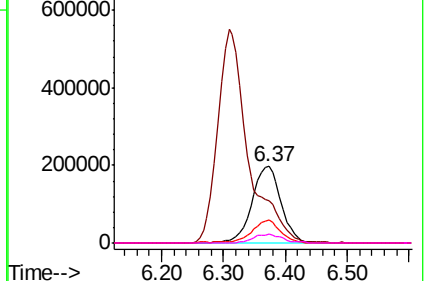


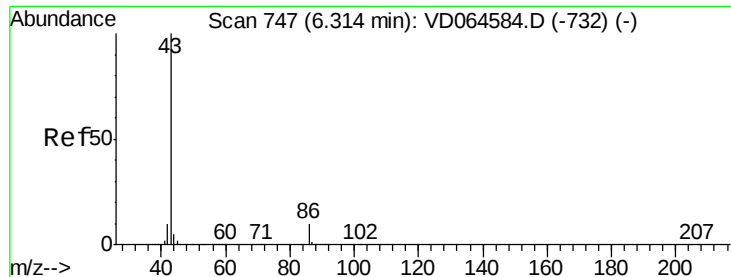
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 298.442 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

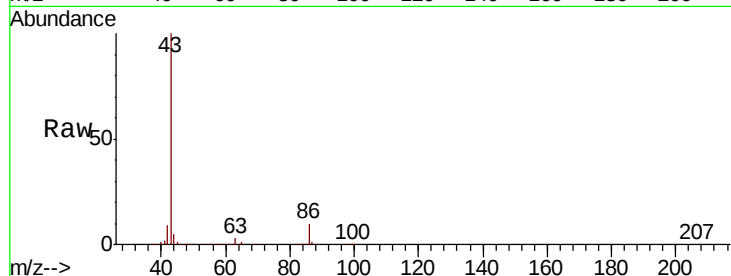
ClientSampleId :

Tot Ion: 43 Resp: 1892077

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

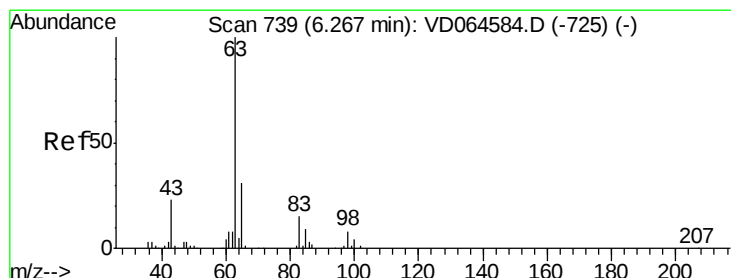
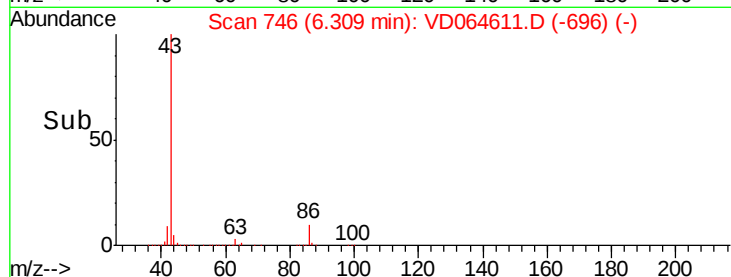
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 56.109 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

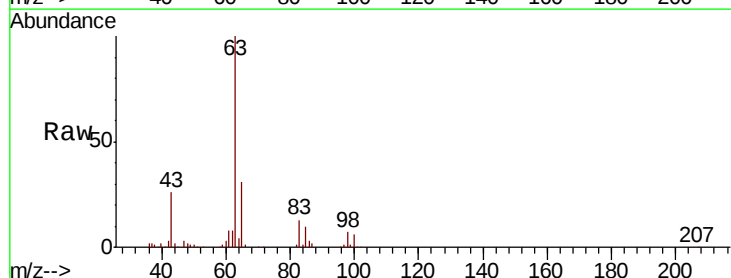
Tgt Ion: 63 Resp: 376463

Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

100 5.5 2.2 6.6



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

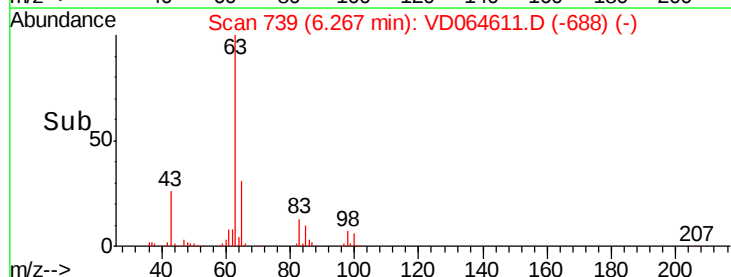
150000

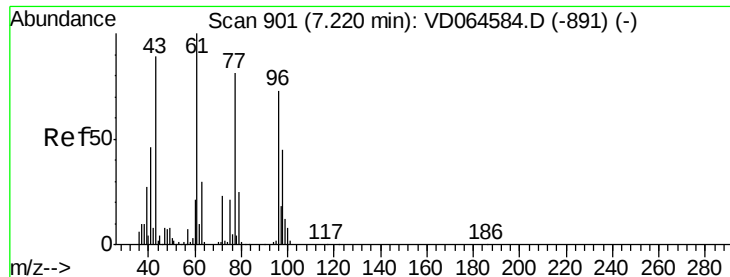
100000

50000

0

Time-->





#25

2-Butanone

Concen: 273.760 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

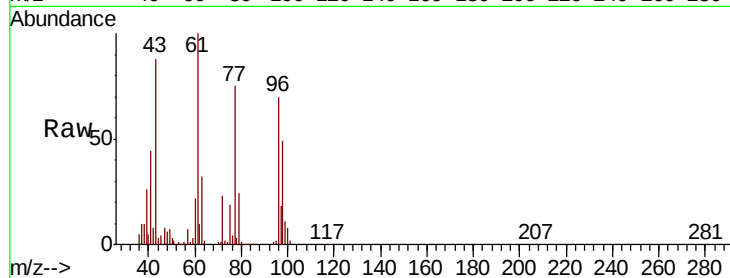
ClientSampleId :

Tot Ion: 43 Resp: 271055

Ion Ratio Lower Upper

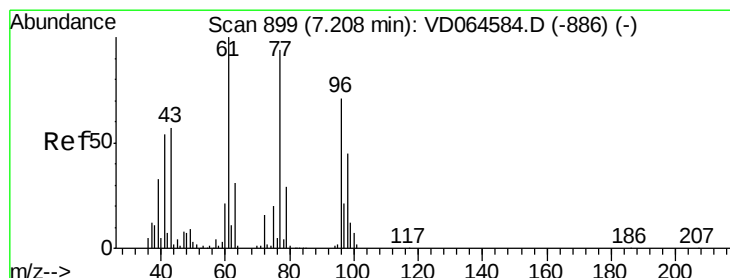
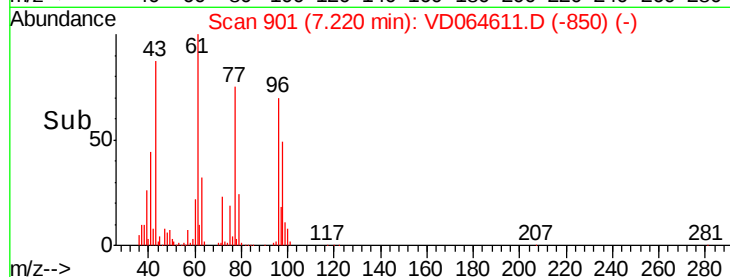
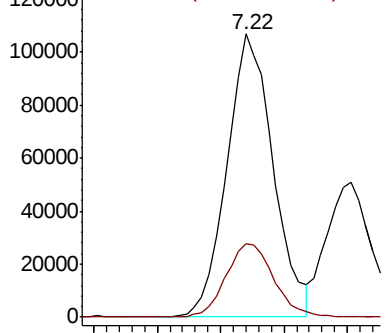
43 100

72 26.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.931 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064611.D

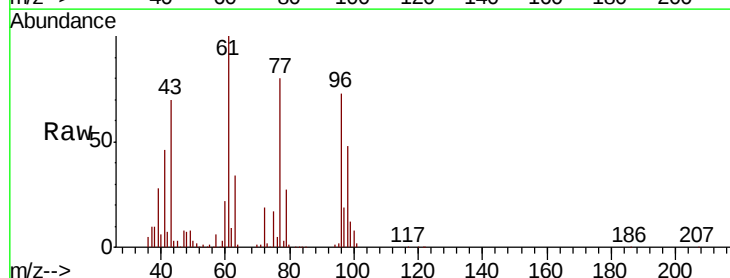
Acq: 26 Dec 2019 20:53

Tgt Ion: 77 Resp: 305239

Ion Ratio Lower Upper

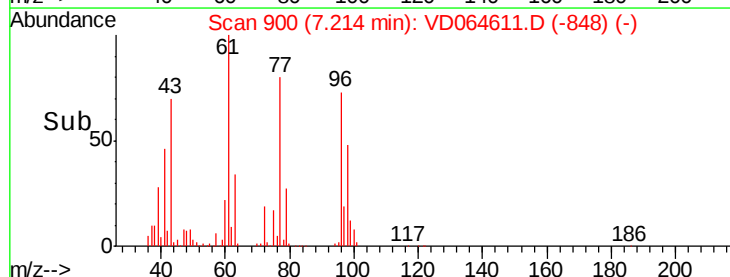
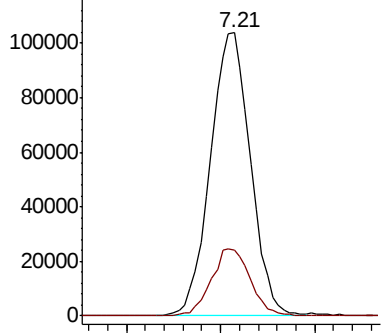
77 100

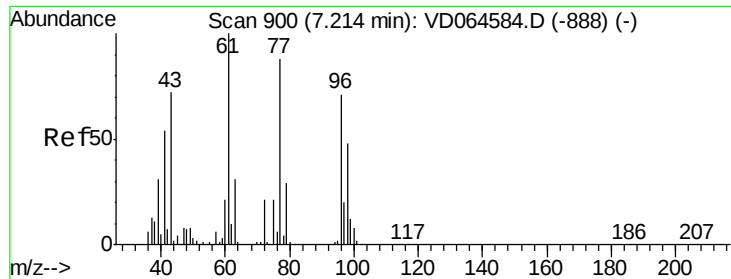
97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



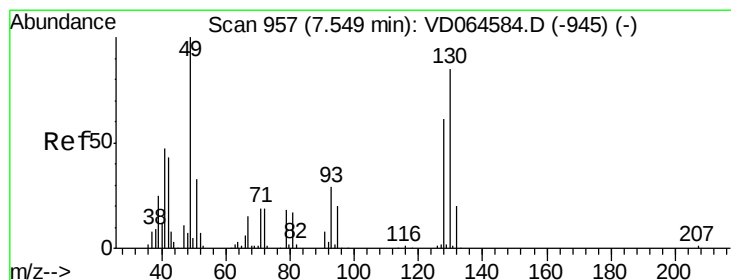
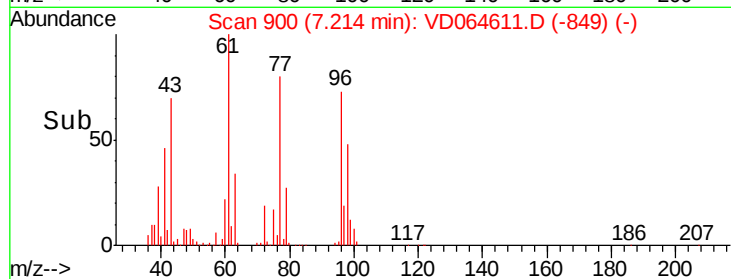
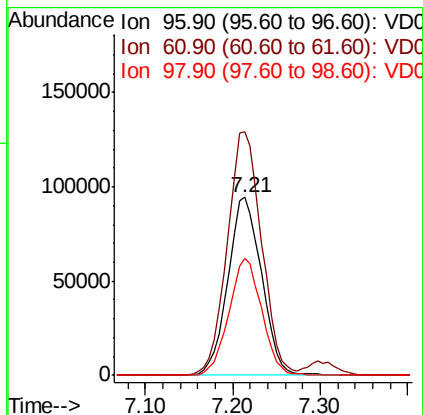
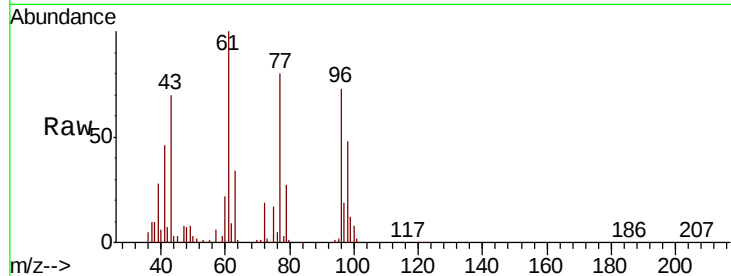


#27

cis-1,2-Dichloroethene
Concen: 56.342 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

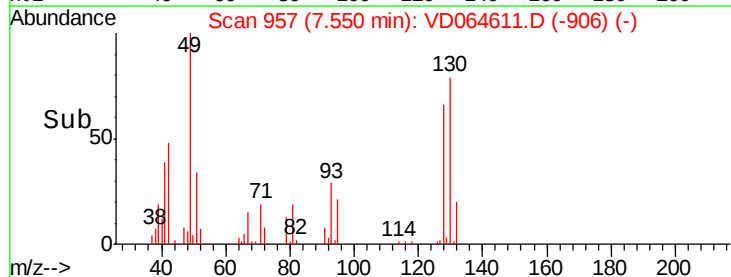
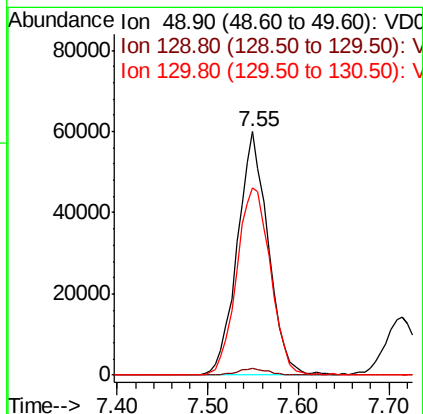
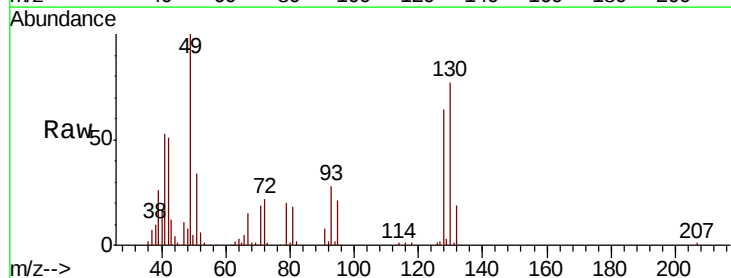
Tot Ion: 96 Resp: 248869
Ion Ratio Lower Upper
96 100
61 139.1 0.0 282.6
98 64.1 0.0 130.8

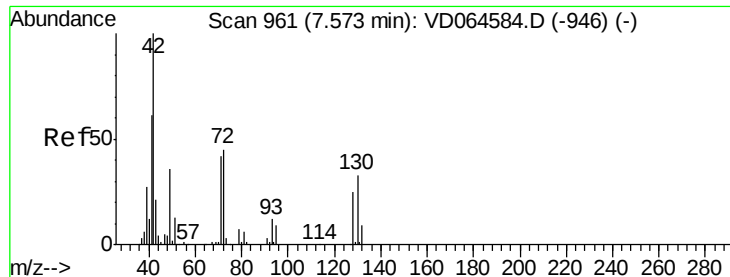


#28

Bromochloromethane
Concen: 54.139 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 49 Resp: 141205
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.8
130 84.3 65.0 97.6

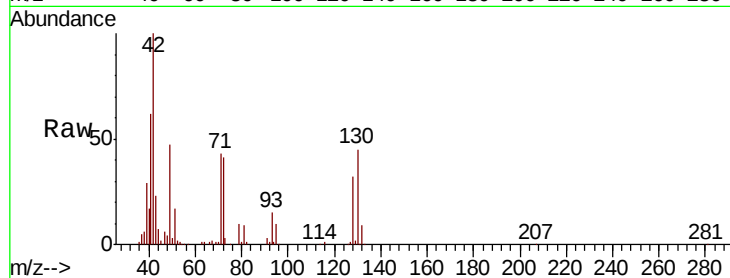




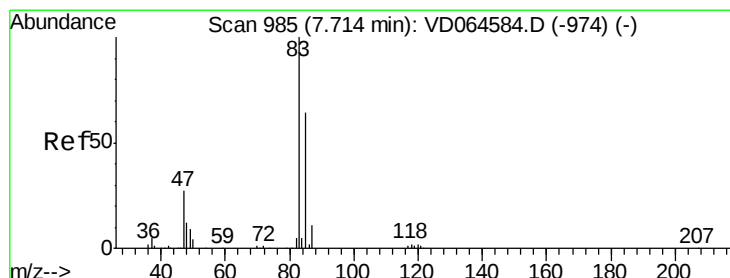
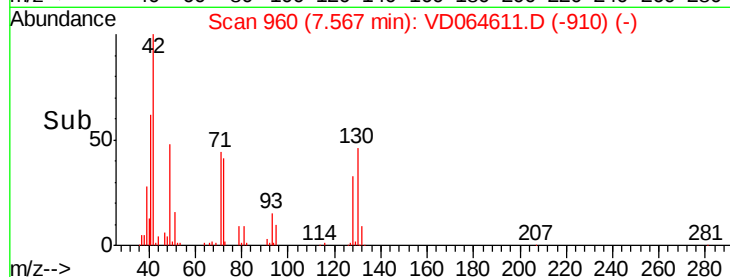
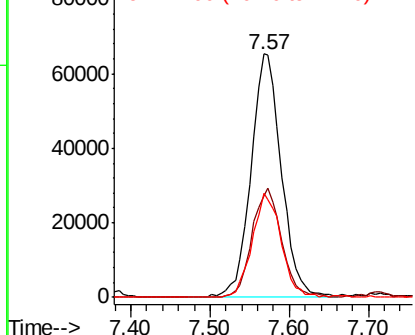
#29
Tetrahydrofuran
Concen: 283.715 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 174692
Ion Ratio Lower Upper
42 100
72 43.8 35.0 52.4
71 40.7 32.9 49.3

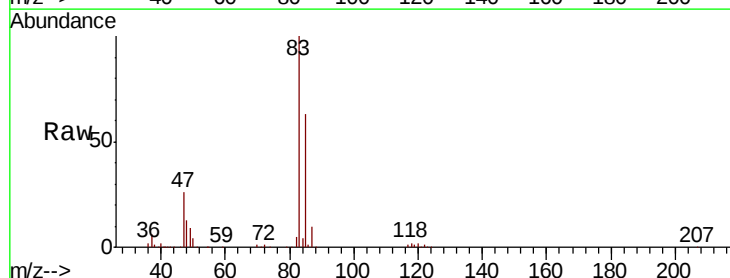


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

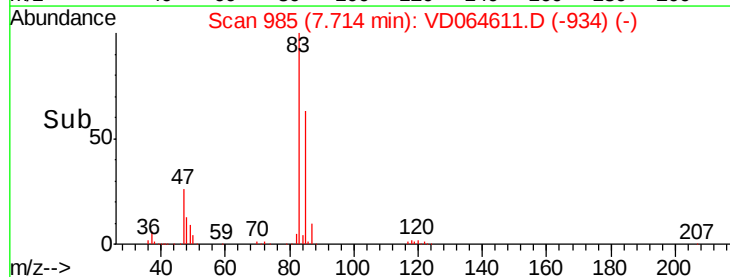
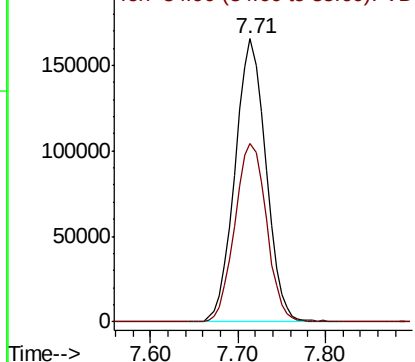


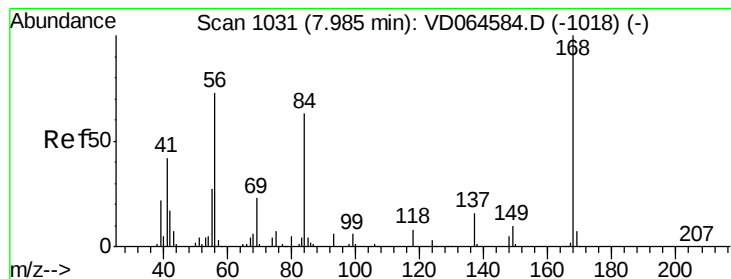
#30
Chloroform
Concen: 56.213 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 83 Resp: 395706
Ion Ratio Lower Upper
83 100
85 63.1 51.1 76.7



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





#31

Cyclohexane

Concen: 47.818 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

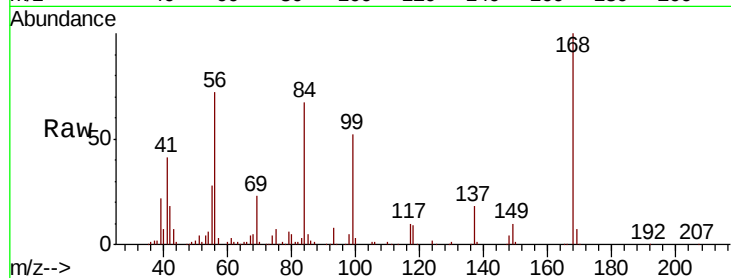
Tot Ion: 56 Resp: 321157

Ion Ratio Lower Upper

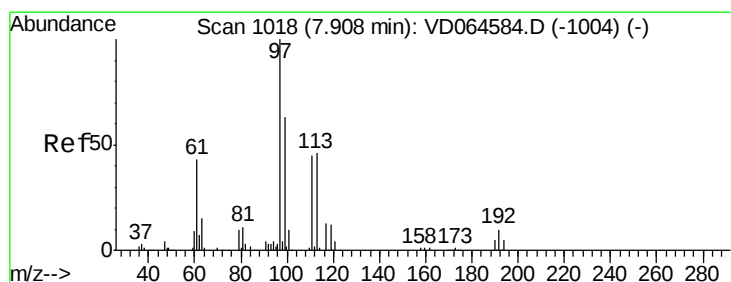
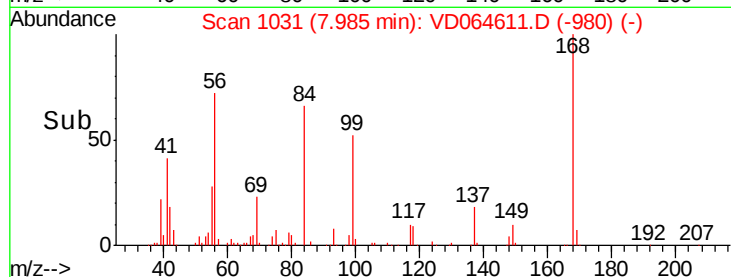
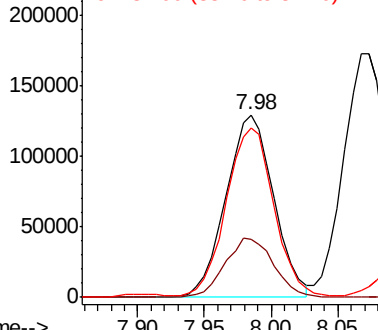
56 100

69 31.2 24.7 37.1

84 91.3 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 52.570 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

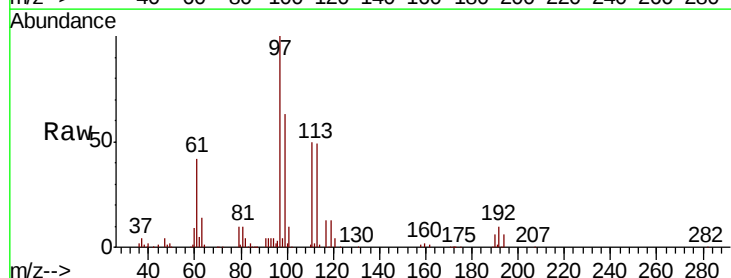
Tgt Ion: 97 Resp: 347586

Ion Ratio Lower Upper

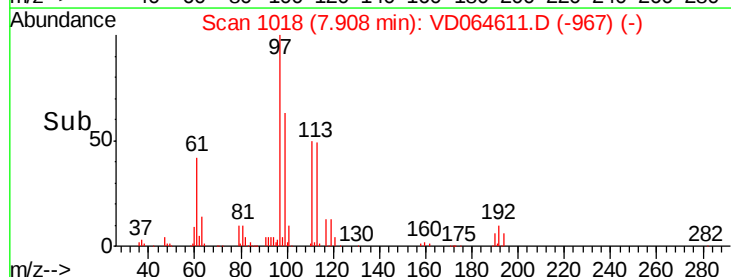
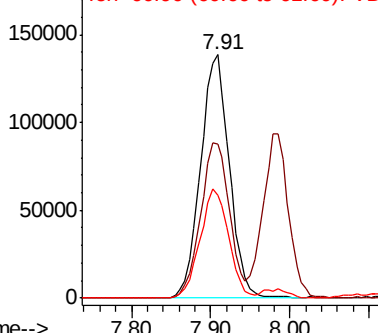
97 100

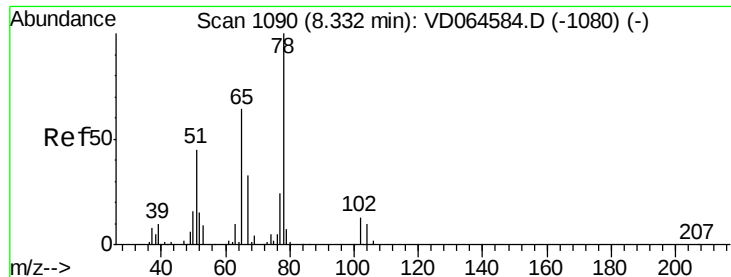
99 64.1 51.0 76.6

61 44.6 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 56.136 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

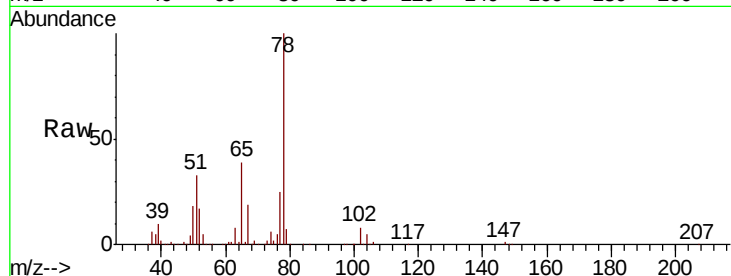
ClientSampled :

Tot Ion: 65 Resp: 202203

Ion Ratio Lower Upper

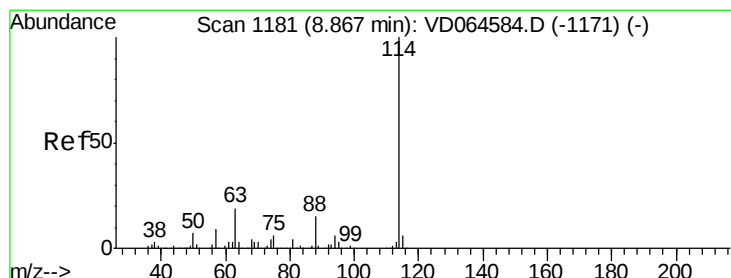
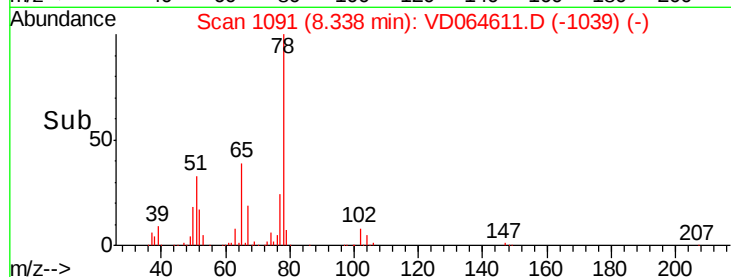
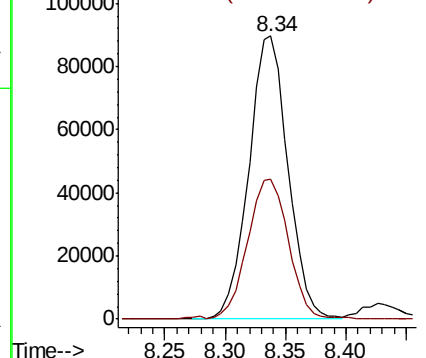
65 100

67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

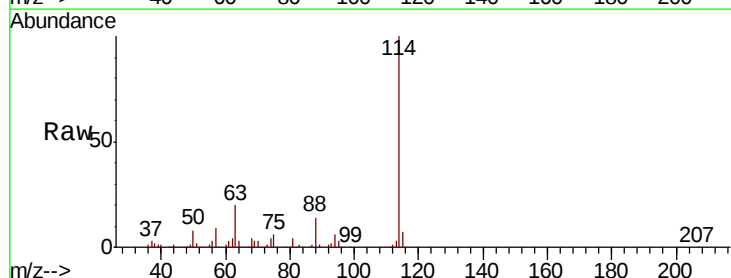
Tgt Ion: 114 Resp: 617090

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

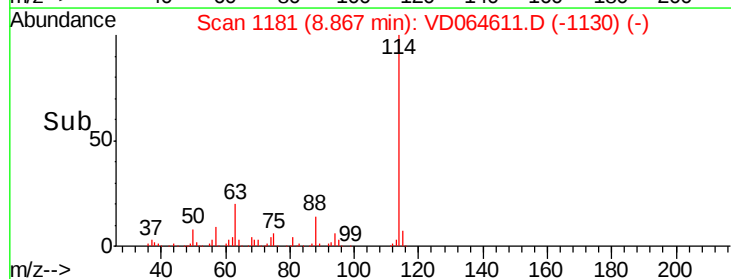
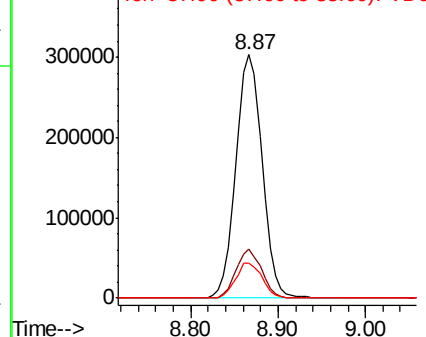
88 14.3 0.0 29.2

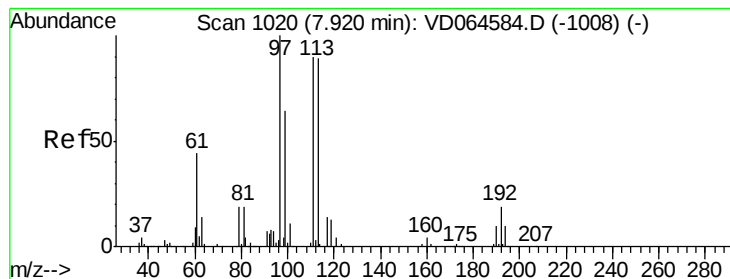


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.323 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

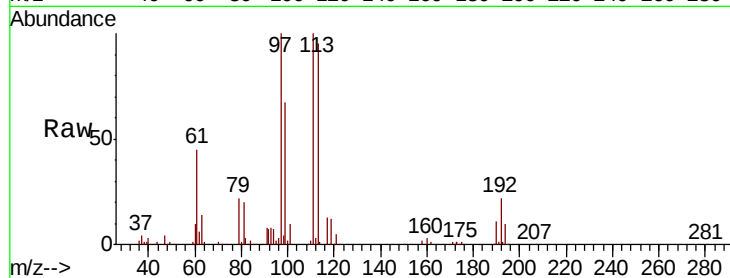
Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 201879

Ion	Ratio	Lower	Upper
113	100		
111	104.9	80.6	121.0
192	22.7	17.9	26.9

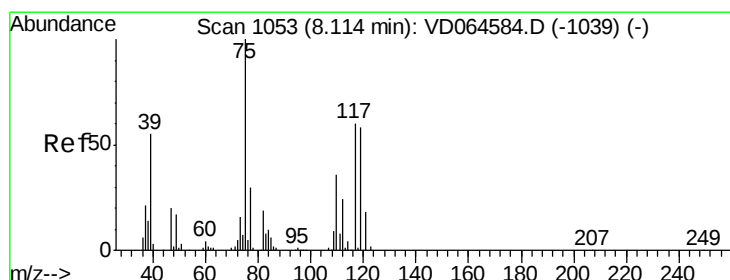
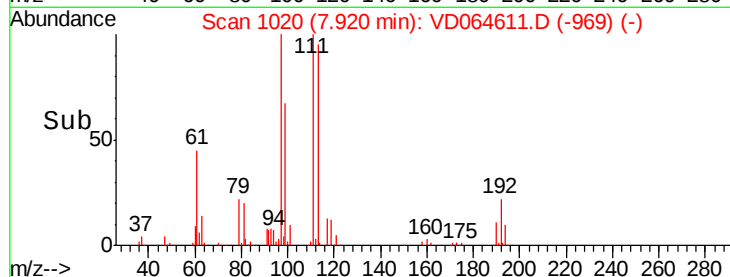
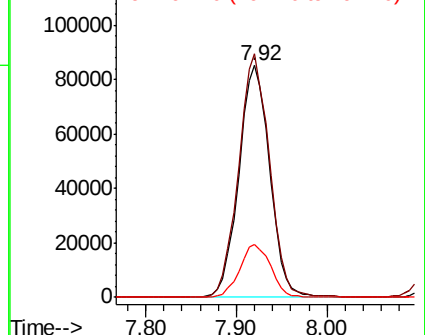


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.561 ug/l

RT: 8.11 min Scan# 1053

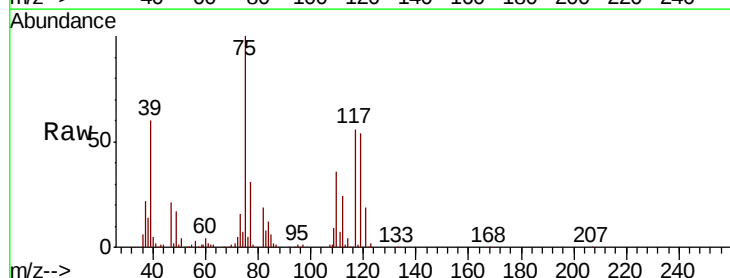
Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Tgt Ion: 75 Resp: 294369

Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.1
77	30.3	24.2	36.4

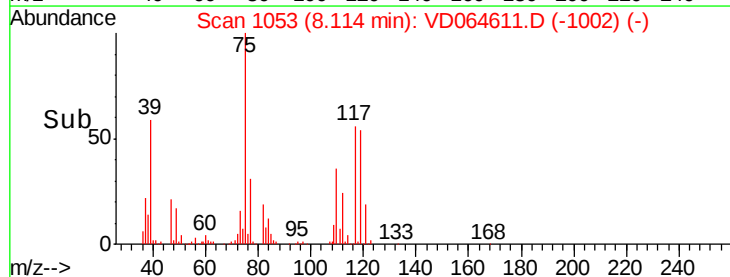
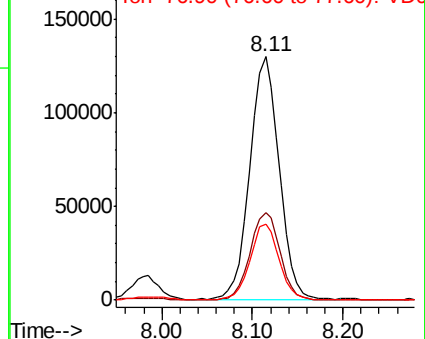


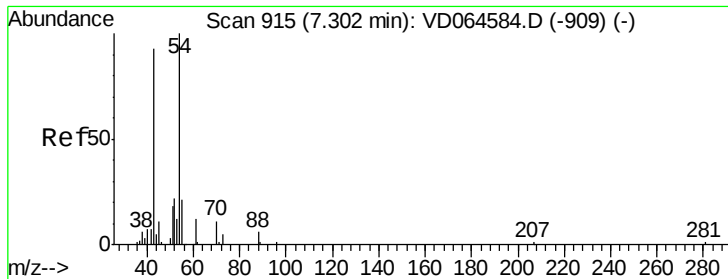
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

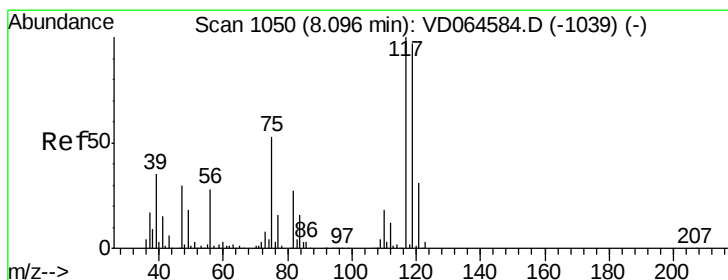
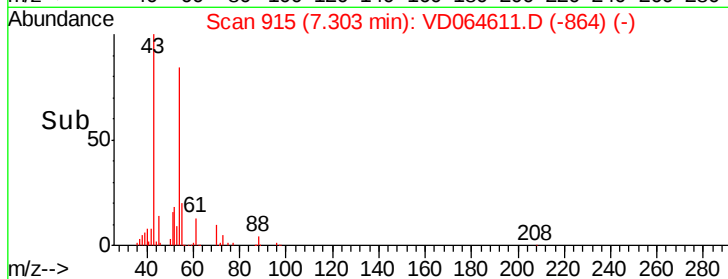
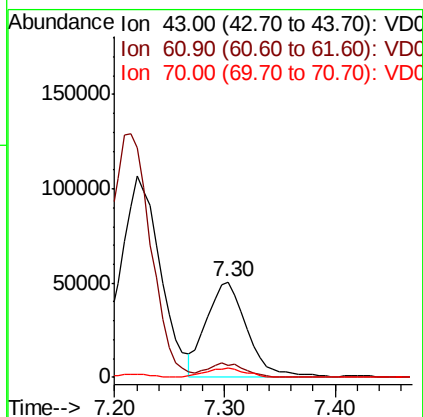
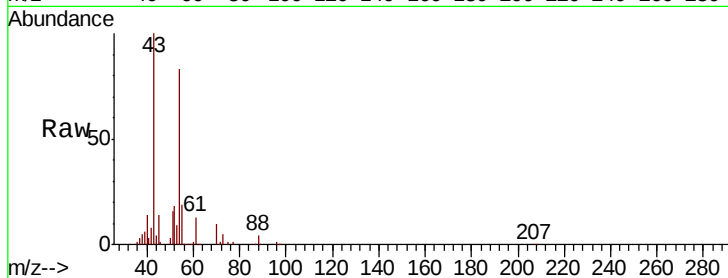




#37
Ethyl Acetate
Concen: 54.563 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

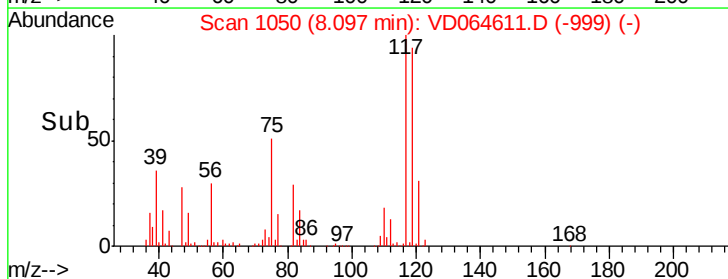
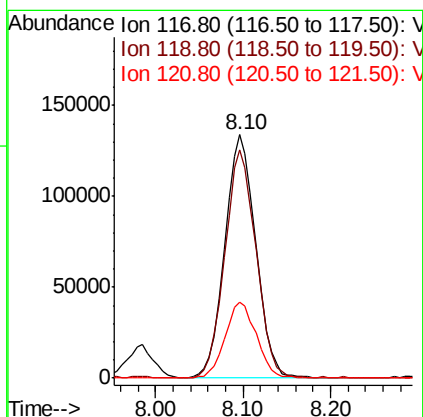
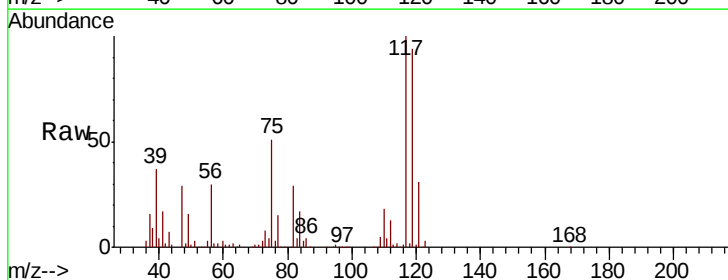
Instrument :
MSVOA_D
ClientSampleId :

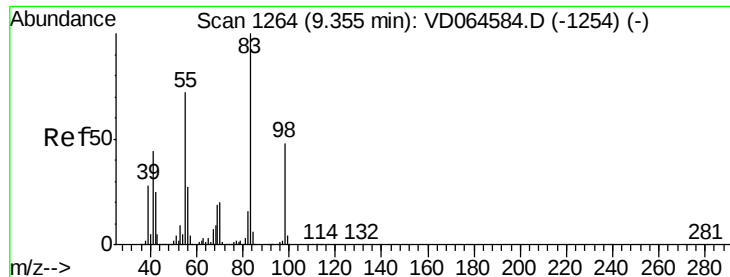
Tot Ion: 43 Resp: 127314
Ion Ratio Lower Upper
43 100
61 14.0 10.3 15.5
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.755 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 117 Resp: 321444
Ion Ratio Lower Upper
117 100
119 93.8 77.3 115.9
121 31.2 25.0 37.6

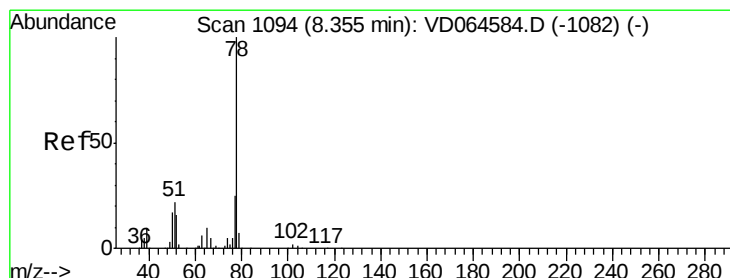
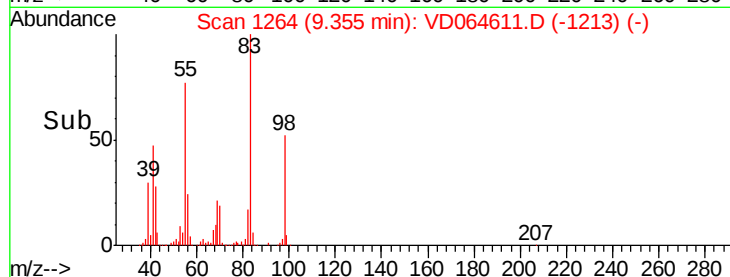
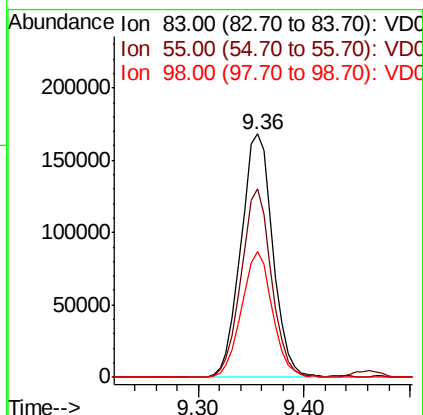
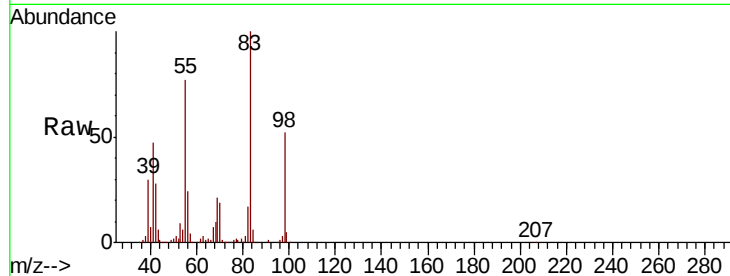




#39
Methvlcvclohexane
Concen: 49.068 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

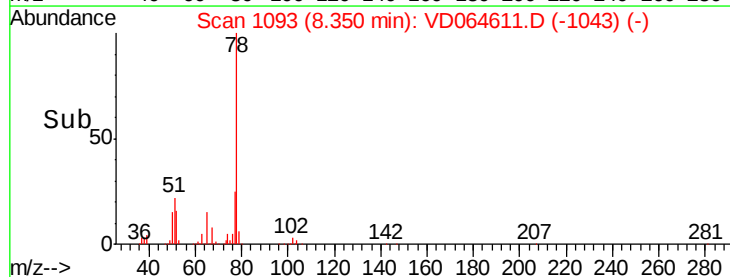
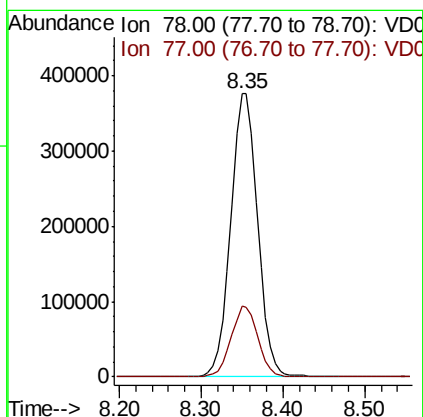
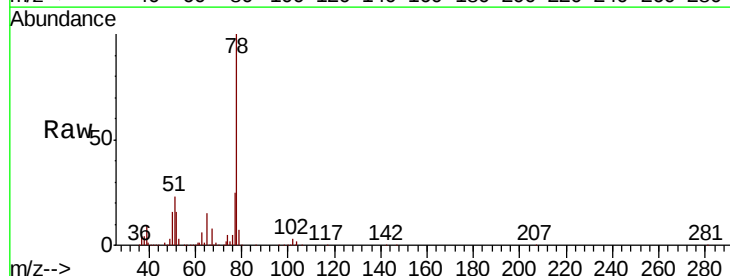
Instrument :
MSVOA_D
ClientSampled :

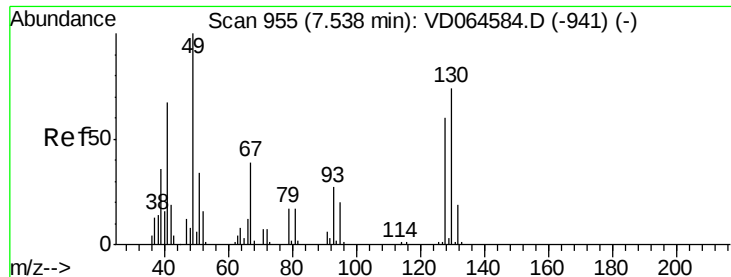
Tot Ion: 83 Resp: 352983
Ion Ratio Lower Upper
83 100
55 77.5 57.8 86.6
98 51.8 38.7 58.1



#40
Benzene
Concen: 53.073 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 78 Resp: 860532
Ion Ratio Lower Upper
78 100
77 25.3 19.9 29.9

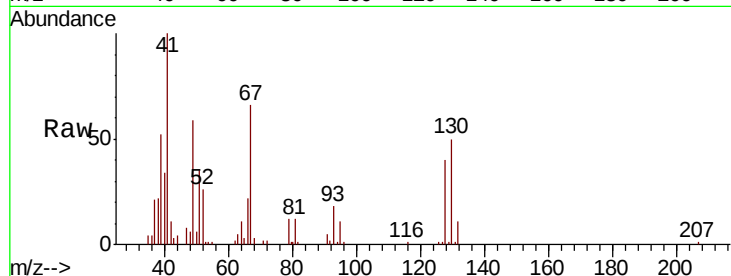




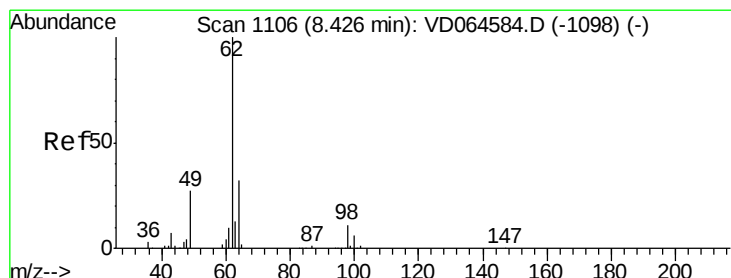
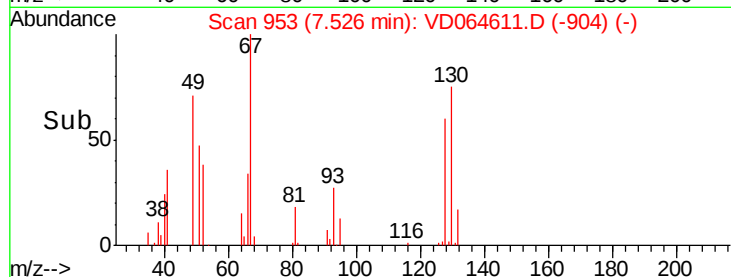
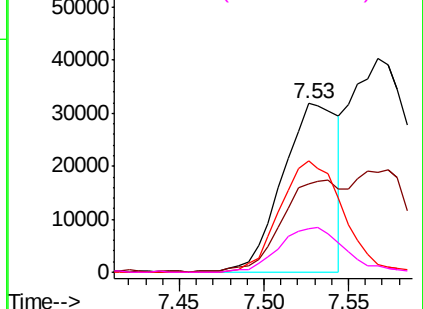
#41
Methacrylonitrile
Concen: 53.772 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 72797
Ion Ratio Lower Upper
41 100
39 55.4 46.7 70.1
67 74.9 52.5 78.7
52 31.3 24.1 36.1

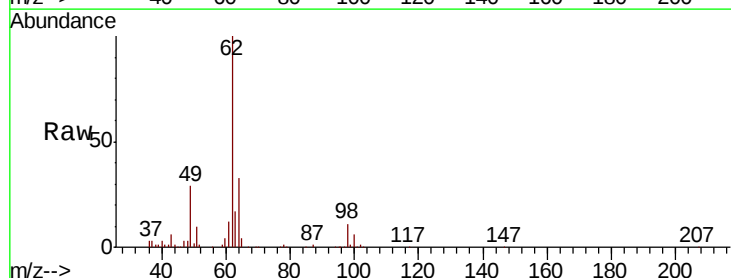


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

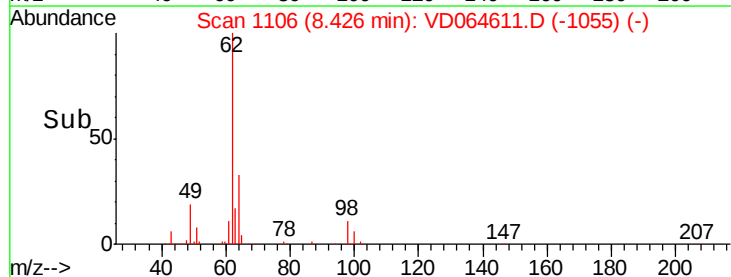
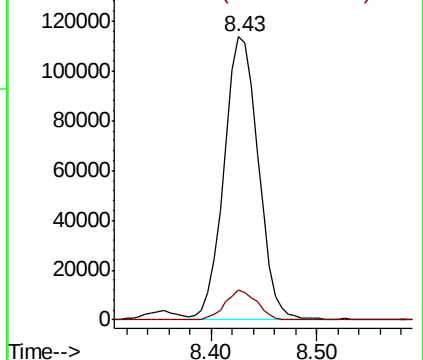


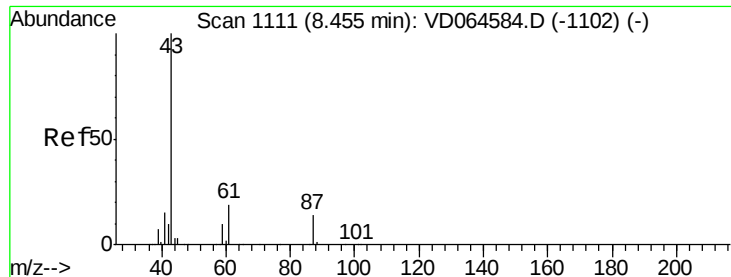
#42
1,2-Dichloroethane
Concen: 54.355 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 62 Resp: 254677
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 54.313 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

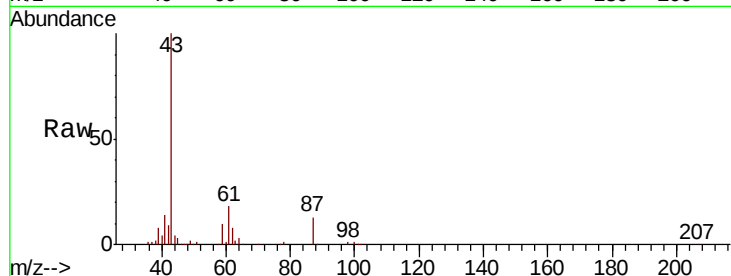
Tot Ion: 43 Resp: 252245

Ion Ratio Lower Upper

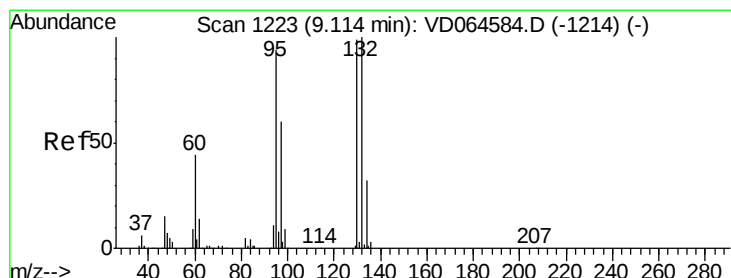
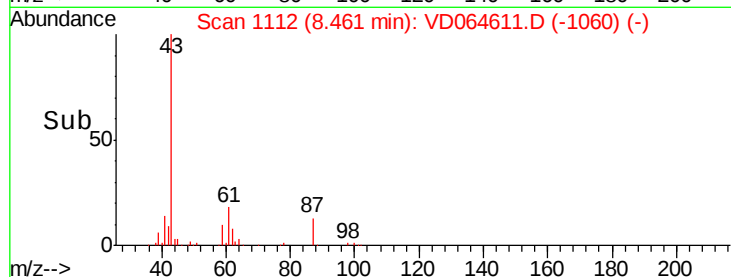
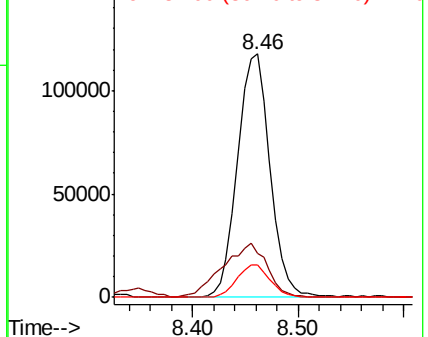
43 100

61 30.5 23.7 35.5

87 13.5 10.5 15.7



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



#44

Trichloroethene

Concen: 51.479 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064611.D

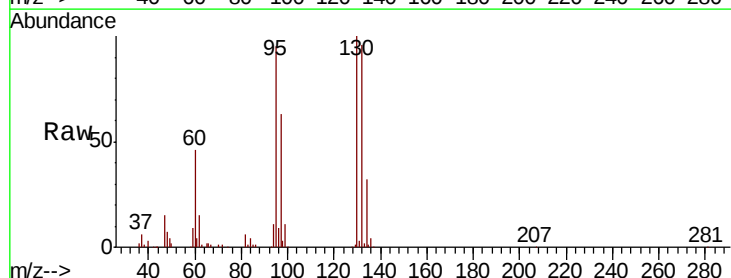
Acq: 26 Dec 2019 20:53

Tgt Ion:130 Resp: 245207

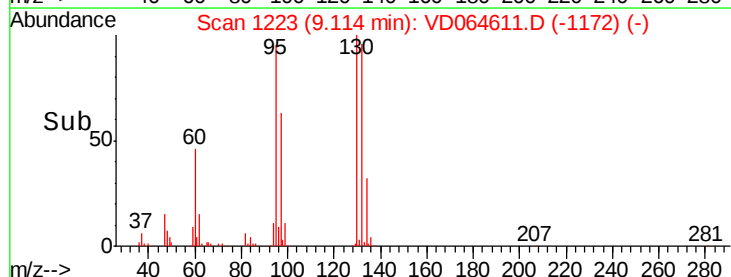
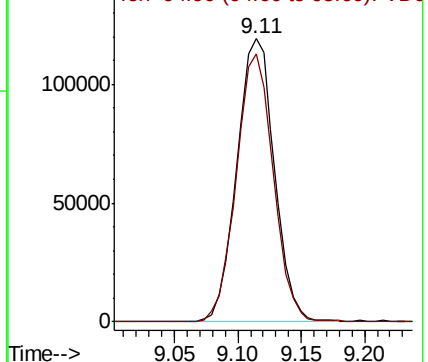
Ion Ratio Lower Upper

130 100

95 94.8 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 54.870 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

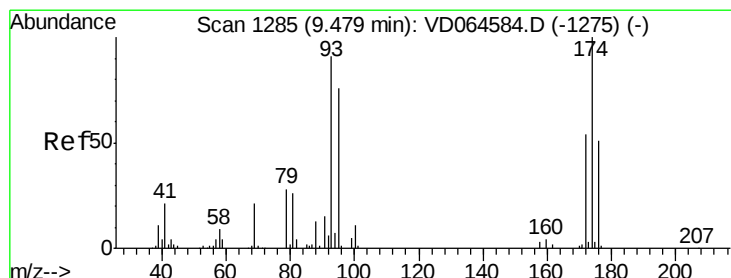
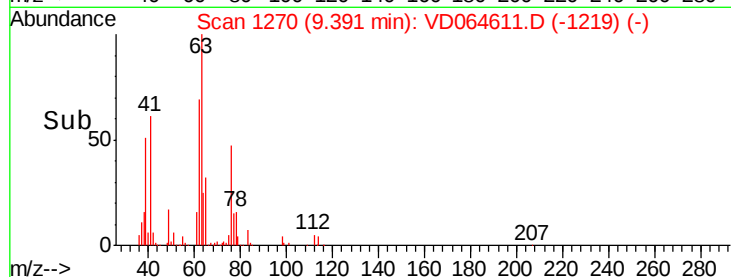
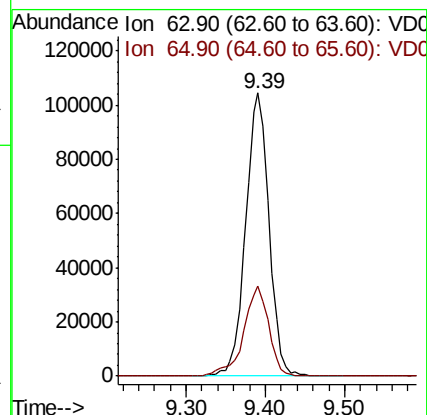
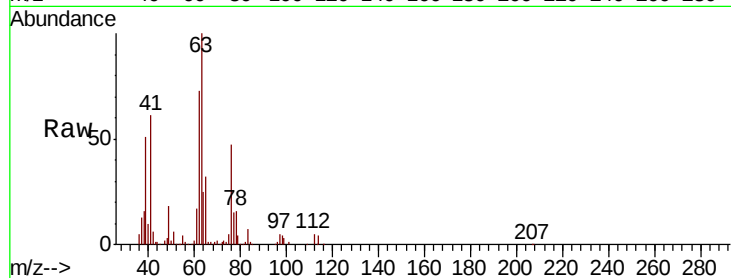
ClientSampleId :

Tot Ion: 63 Resp: 212419

Ion Ratio Lower Upper

63 100

65 32.0 25.2 37.8



#46

Dibromomethane

Concen: 54.860 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

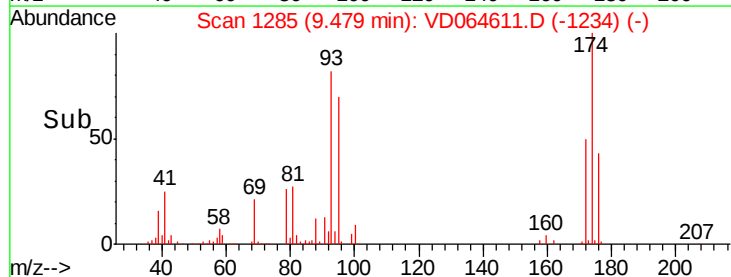
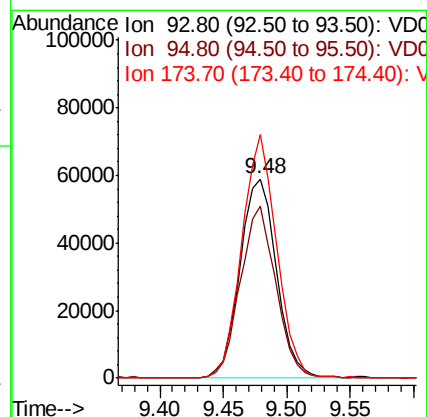
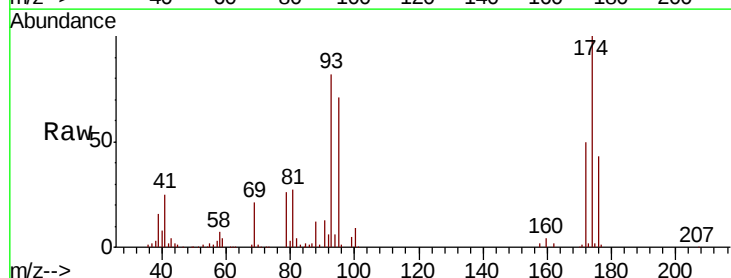
Tgt Ion: 93 Resp: 118410

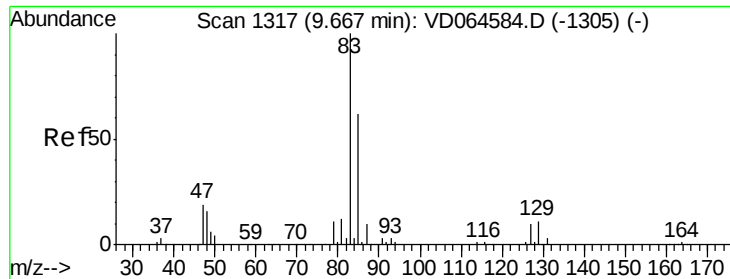
Ion Ratio Lower Upper

93 100

95 83.7 64.6 97.0

174 115.8 88.1 132.1





#47

Bromodichloromethane

Concen: 55.413 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

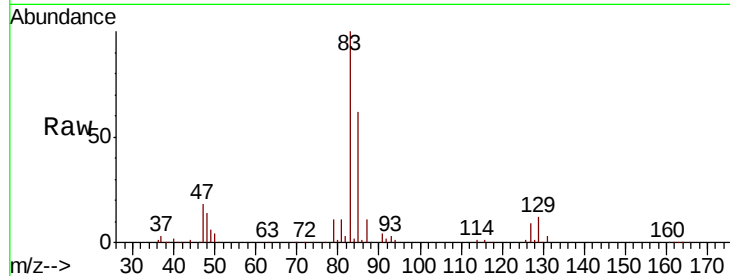
Tot Ion: 83 Resp: 318260

Ion Ratio Lower Upper

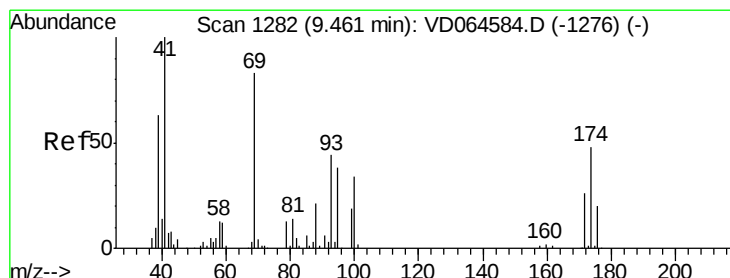
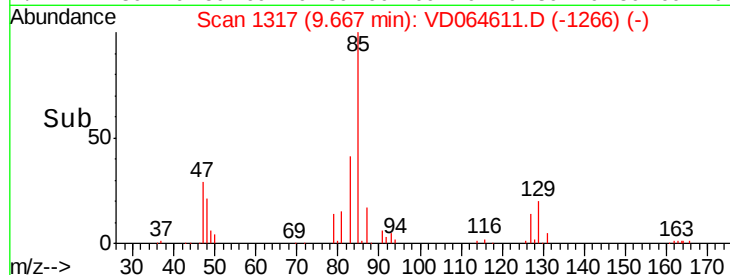
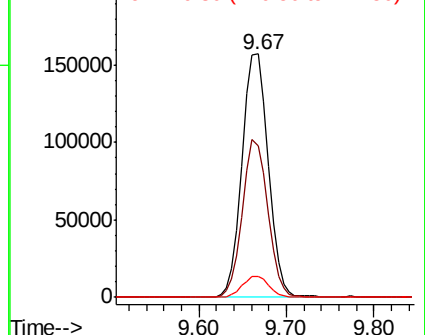
83 100

85 62.1 49.5 74.3

127 8.6 7.8 11.6



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



#48

Methyl methacrylate

Concen: 53.224 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

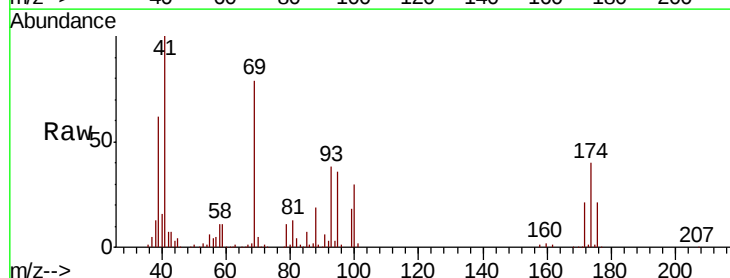
Tgt Ion: 41 Resp: 116390

Ion Ratio Lower Upper

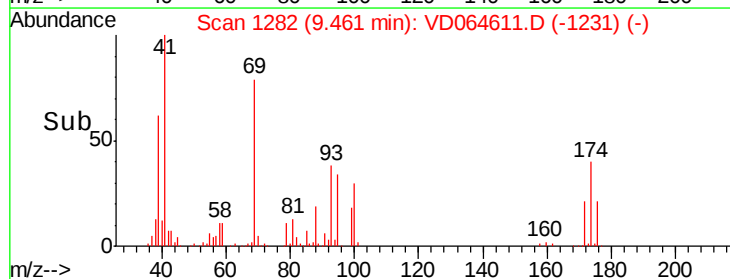
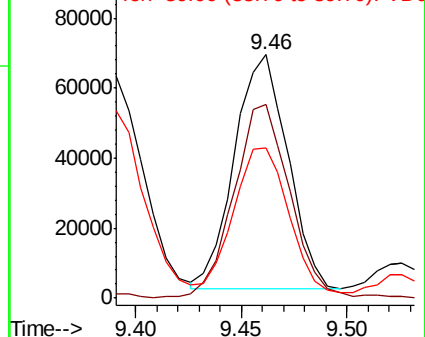
41 100

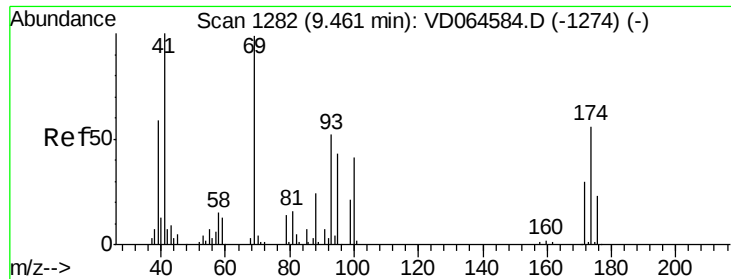
69 87.0 63.0 94.6

39 64.2 47.4 71.2



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

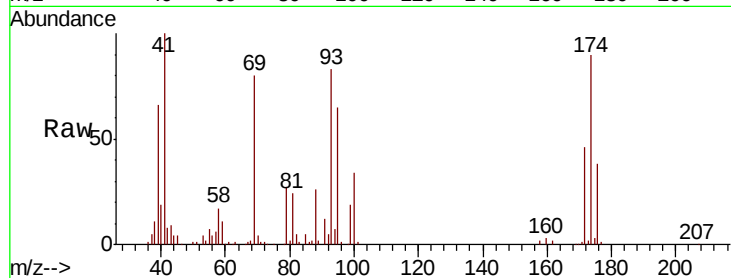




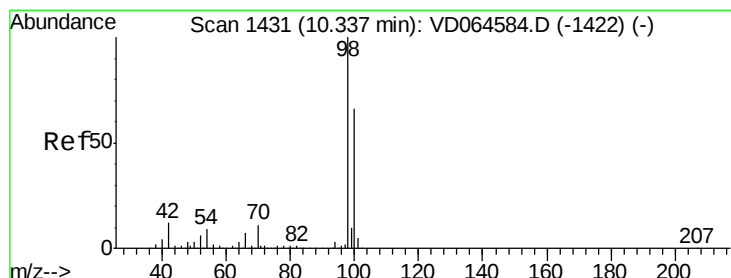
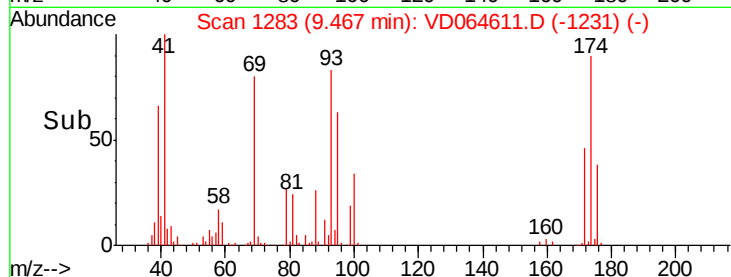
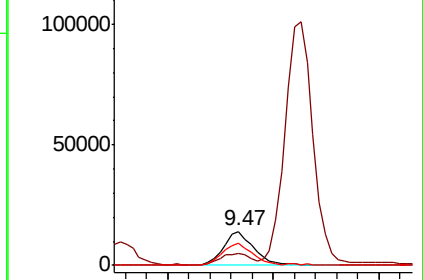
#49
1,4-Dioxane
Concen: 1126.173 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 28028
Ion Ratio Lower Upper
88 100
43 33.9 27.7 41.5
58 63.1 53.8 80.6

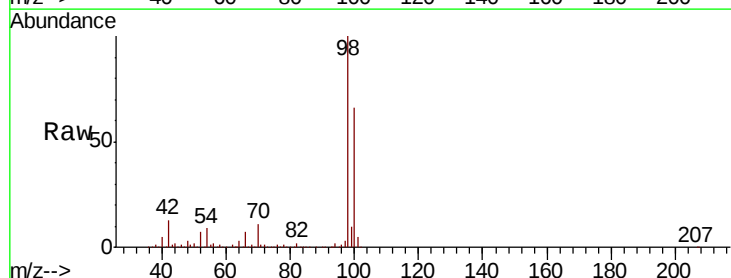


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

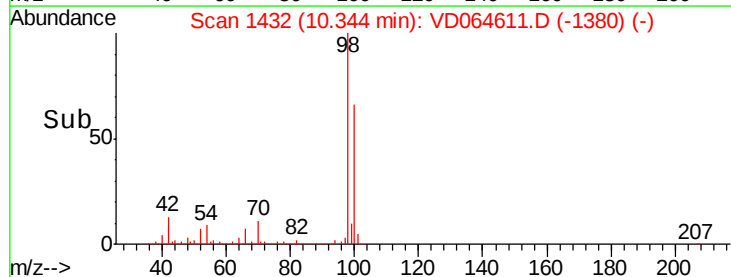
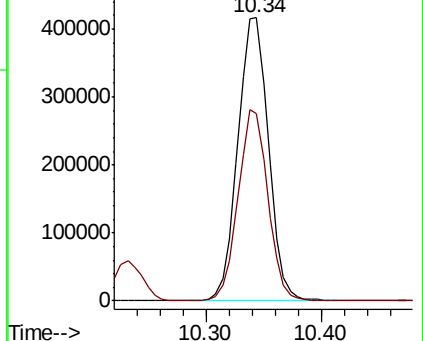


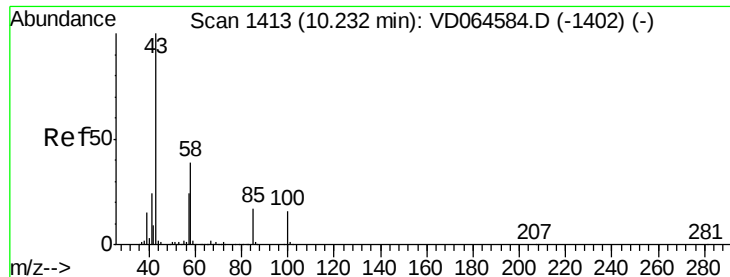
#50
Toluene-d8
Concen: 52.891 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 98 Resp: 766907
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



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

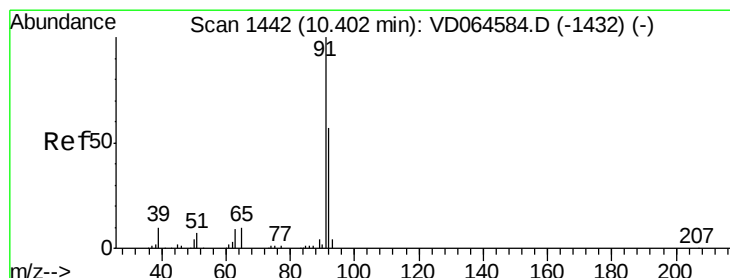
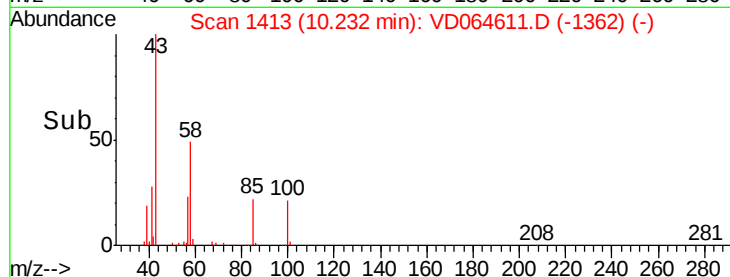
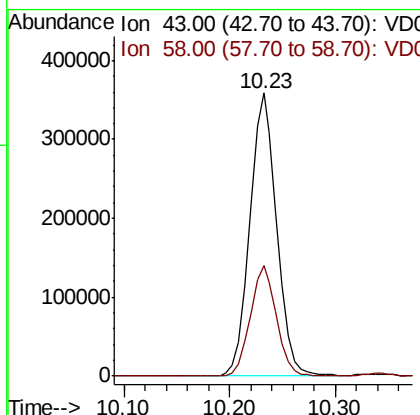
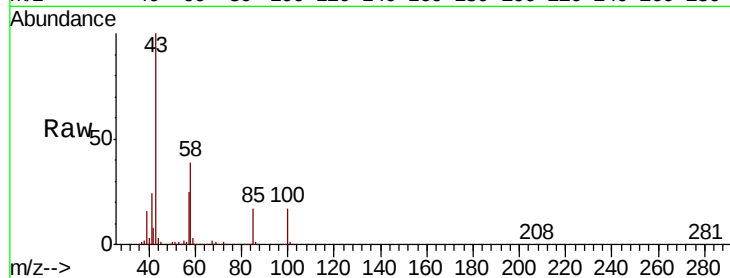




#51
4-Methyl-2-Pentanone
Concen: 276.710 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

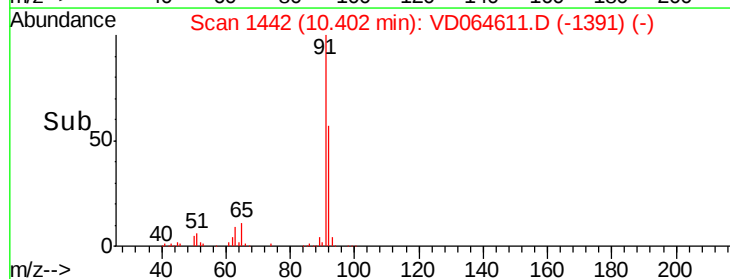
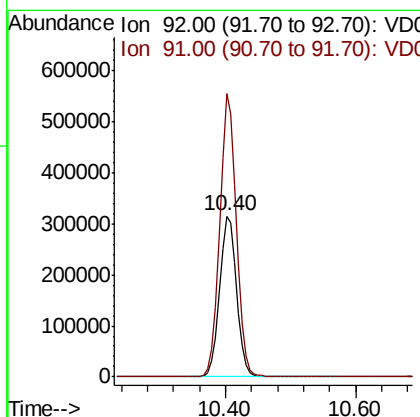
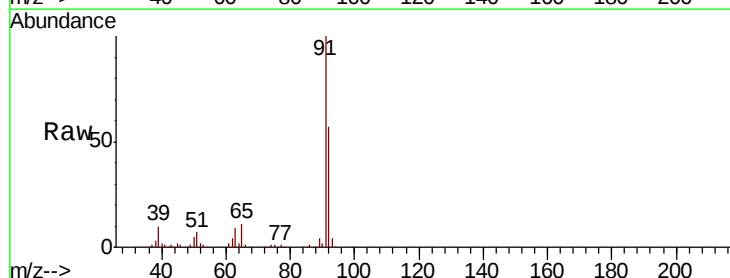
Instrument :
MSVOA_D
ClientSampled :

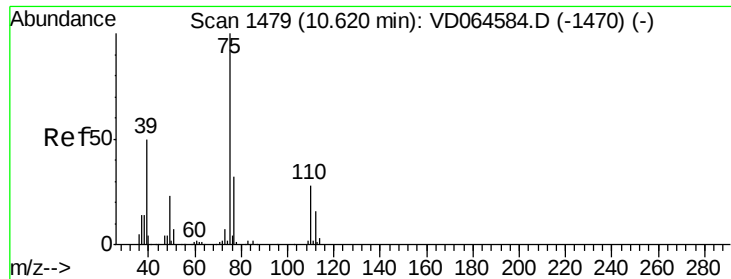
Tot Ion: 43 Resp: 635210
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.2



#52
Toluene
Concen: 53.374 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 92 Resp: 567778
Ion Ratio Lower Upper
92 100
91 171.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 54.774 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

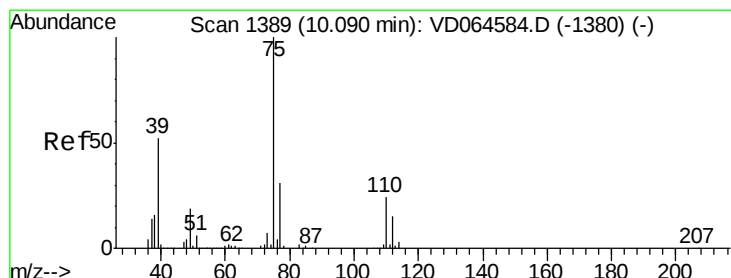
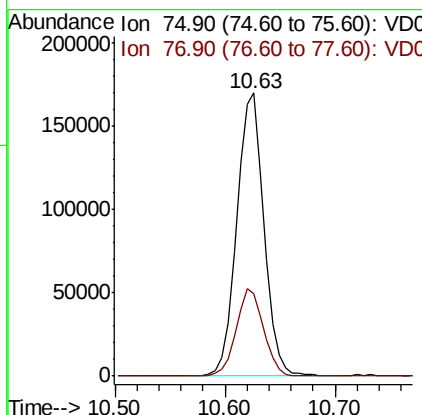
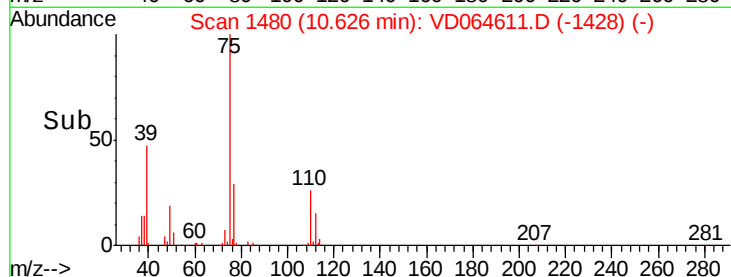
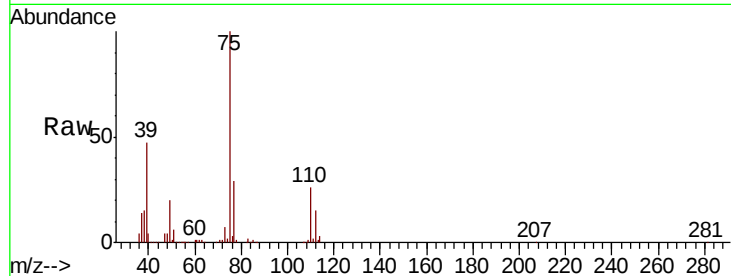
ClientSampleId :

Tot Ion: 75 Resp: 293301

Ion Ratio Lower Upper

75 100

77 29.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.388 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

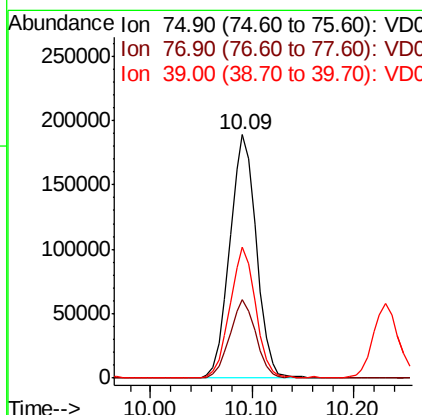
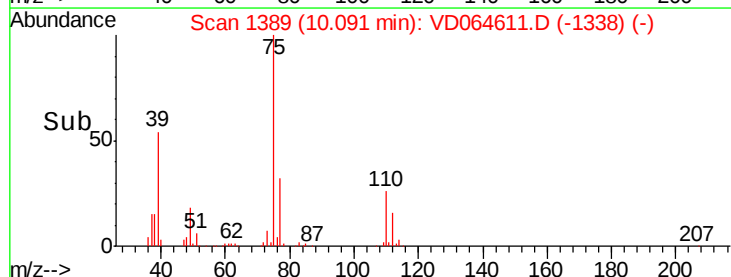
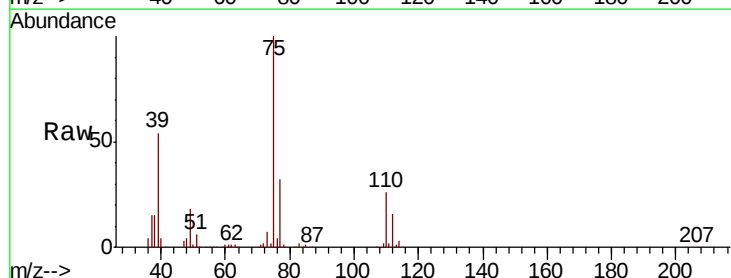
Tgt Ion: 75 Resp: 343404

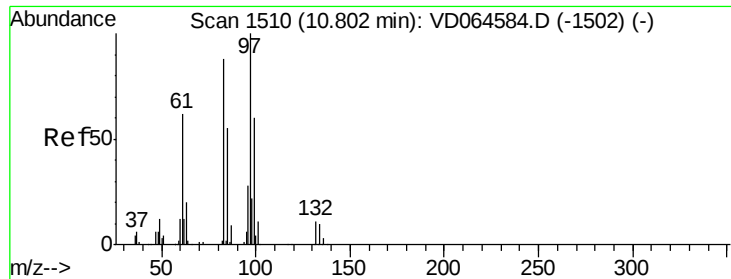
Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8

39 53.7 41.4 62.2

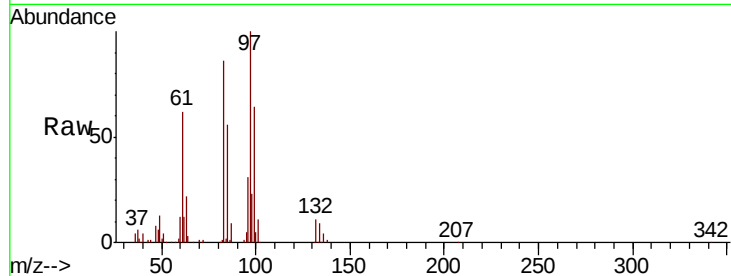




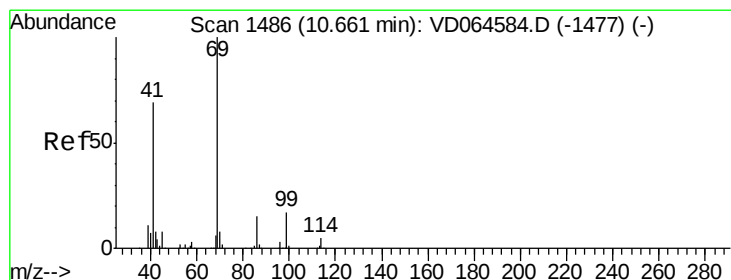
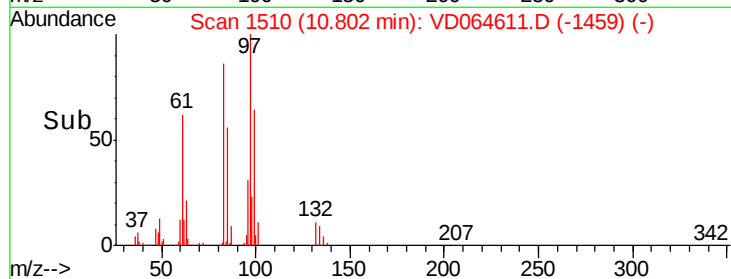
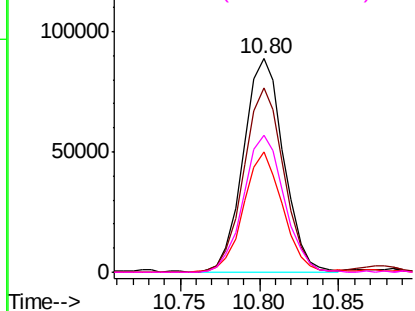
#55
 1,1,2-Trichloroethane
 Concen: 53.790 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	156466
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.2	105.4
85	56.4	44.0	66.0
99	64.3	47.8	71.6

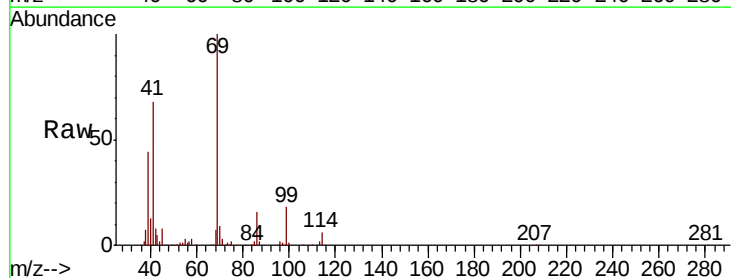


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

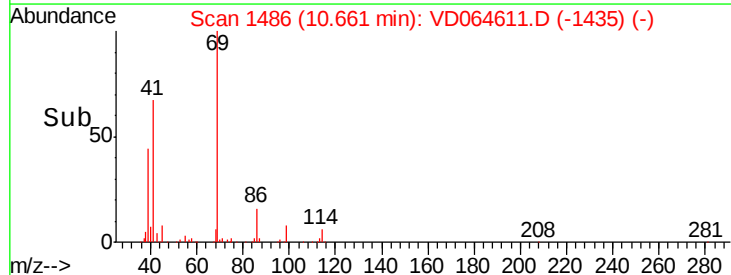
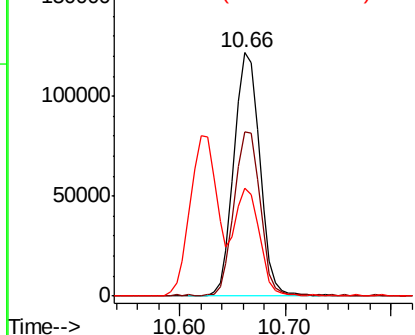


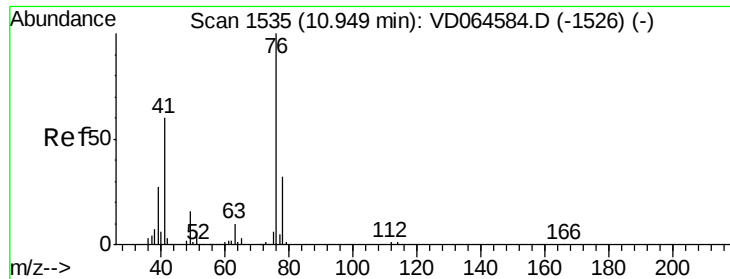
#56
 Ethyl methacrylate
 Concen: 56.780 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion:	69	Resp:	206268
Ion	Ratio	Lower	Upper
69	100		
41	67.2	55.3	82.9
39	42.1	33.8	50.8



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

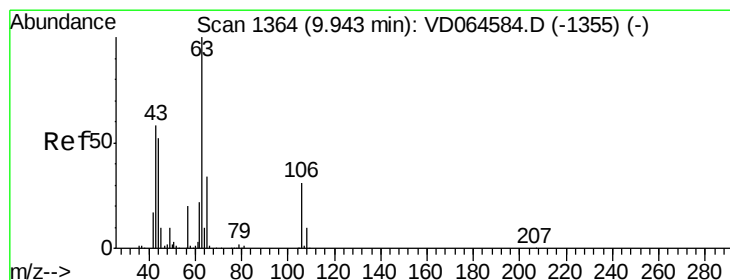
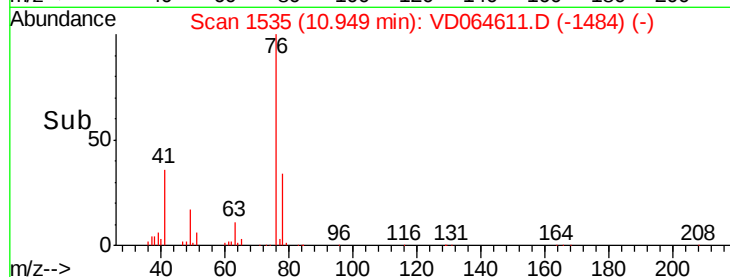
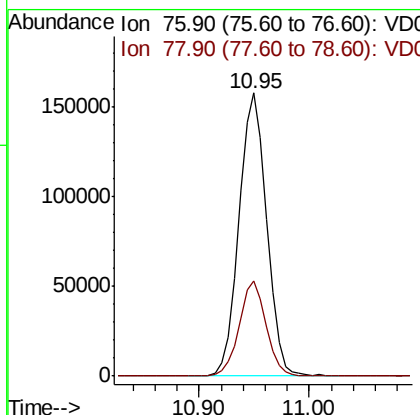
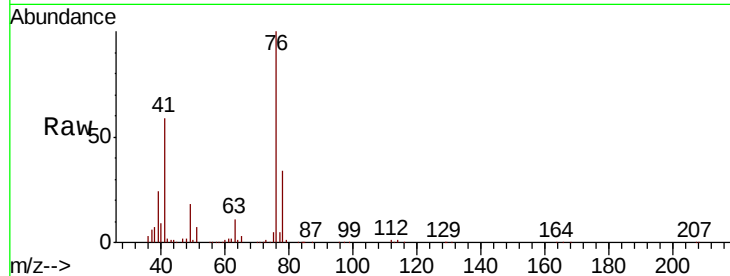




#57
 1,3-Dichloropropane
 Concen: 55.559 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

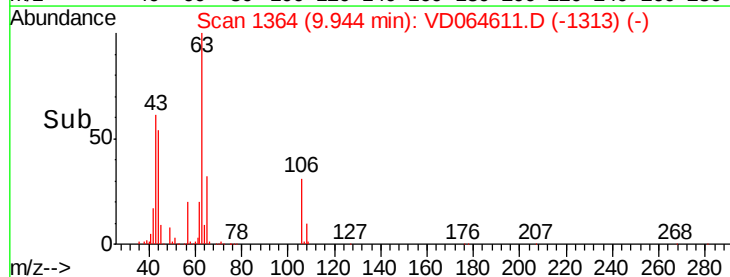
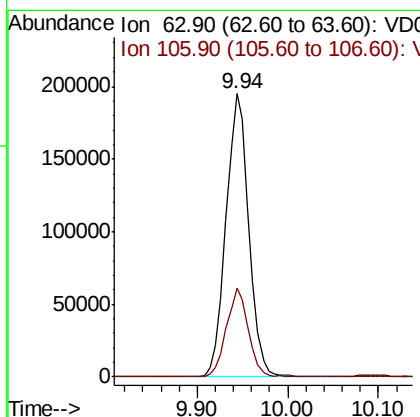
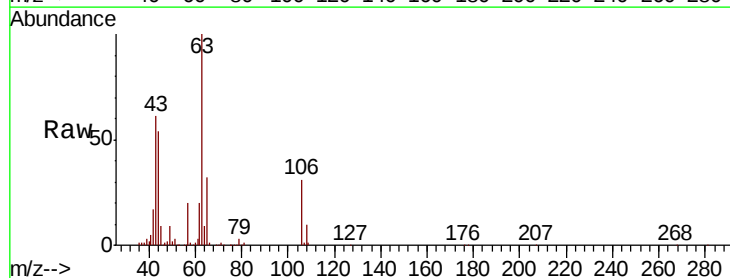
Instrument :
 MSVOA_D
 ClientSampleId :

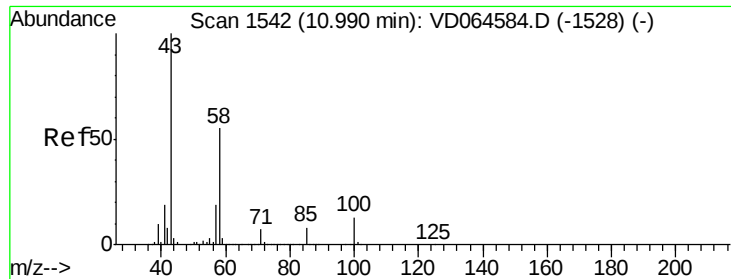
Tot Ion: 76 Resp: 278260
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.366 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion: 63 Resp: 339596
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.8

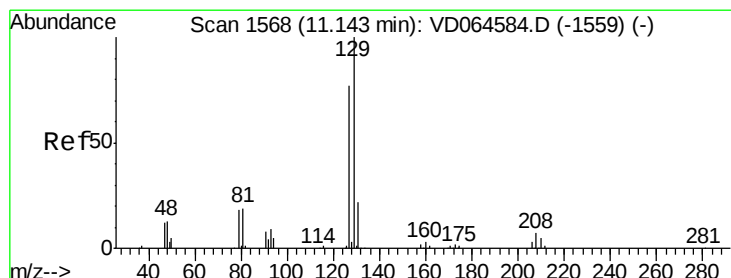
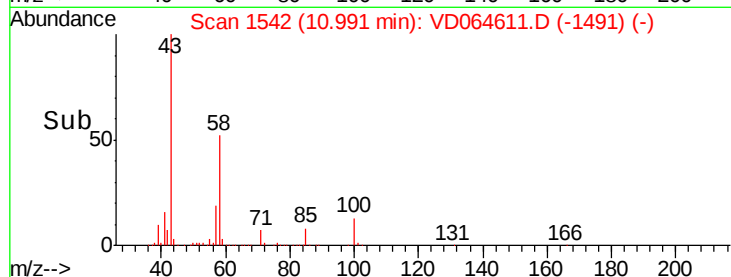
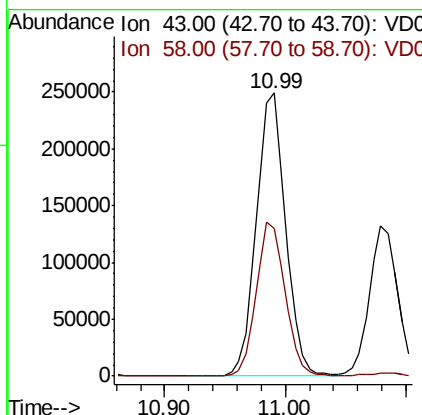
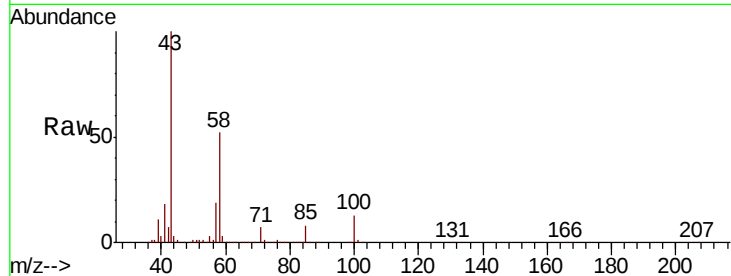




#59
2-Hexanone
Concen: 270.296 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

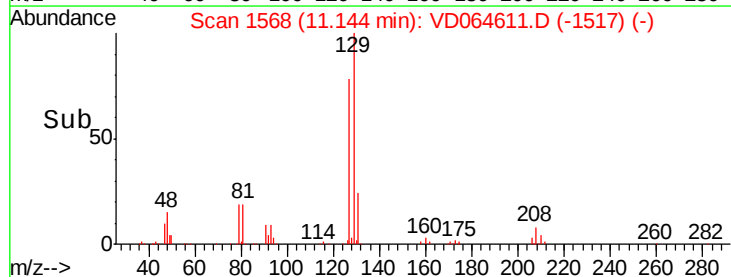
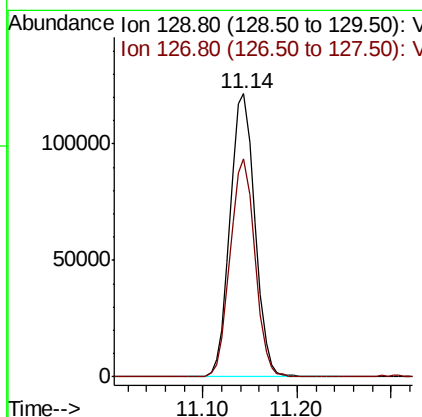
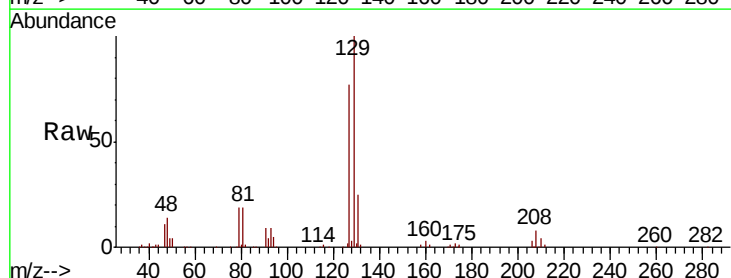
Instrument :
MSVOA_D
ClientSampled :

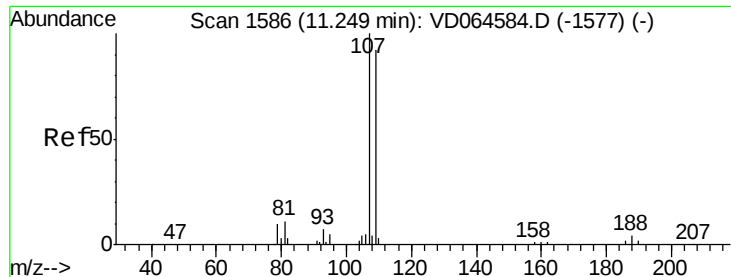
Tot Ion: 43 Resp: 421136
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0



#60
Dibromochloromethane
Concen: 55.721 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 129 Resp: 224138
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2

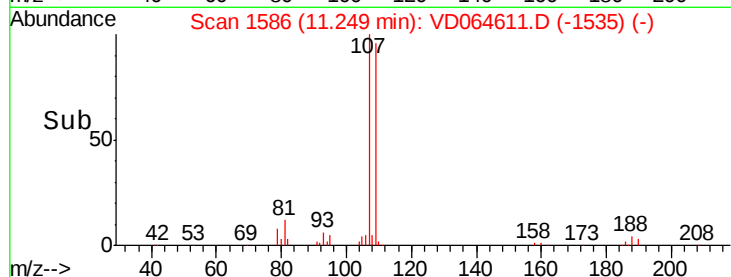
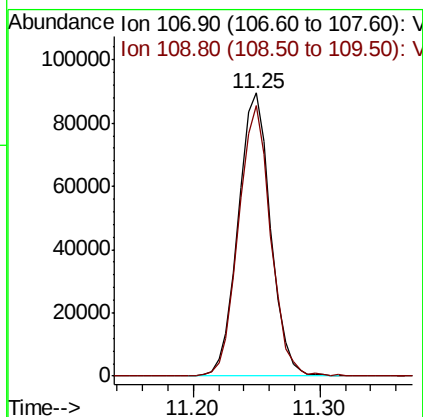
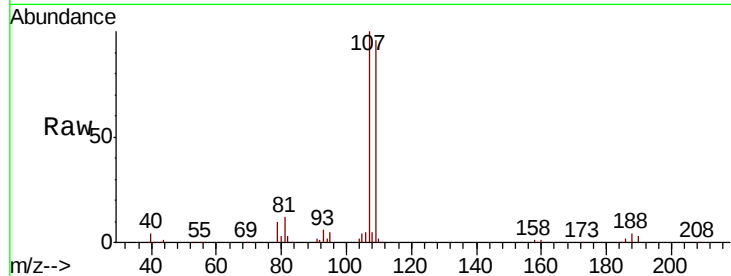




#61
 1,2-Dibromoethane
 Concen: 55.282 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

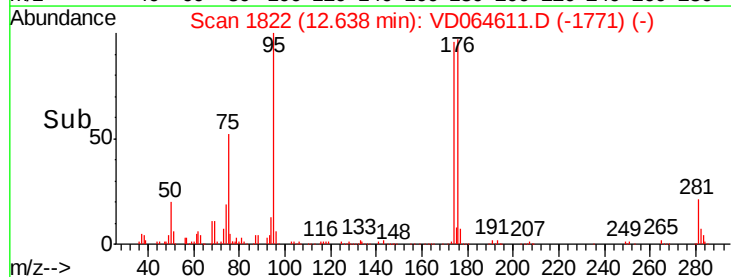
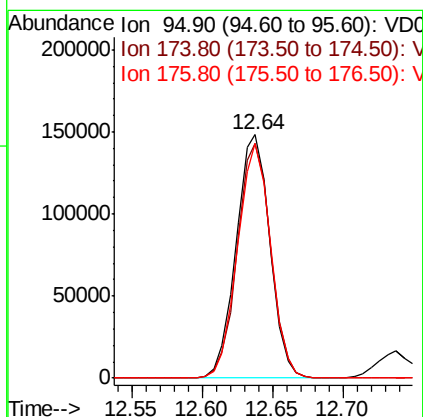
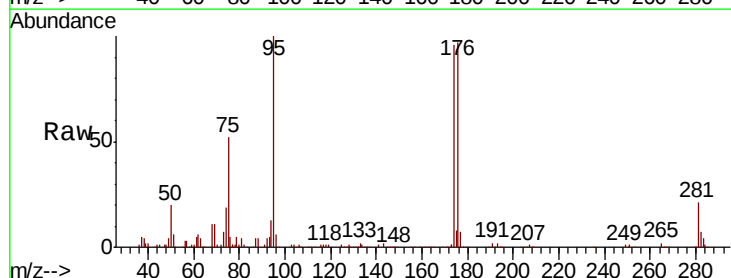
Instrument :
 MSVOA_D
 ClientSampleId :

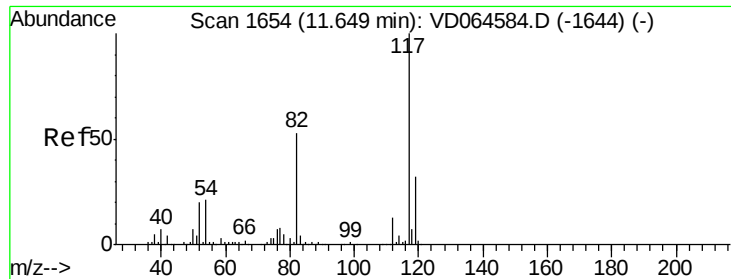
Tot Ion:107 Resp: 158605
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.993 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion: 95 Resp: 247558
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 193.2
 176 94.5 0.0 184.2

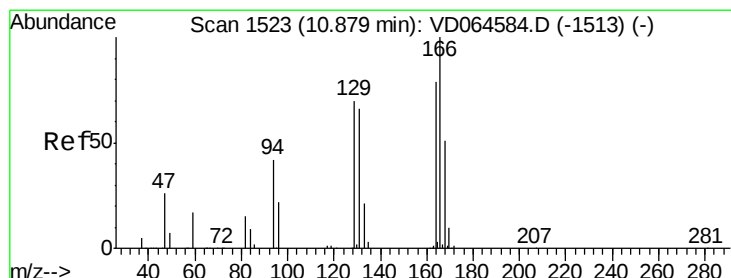
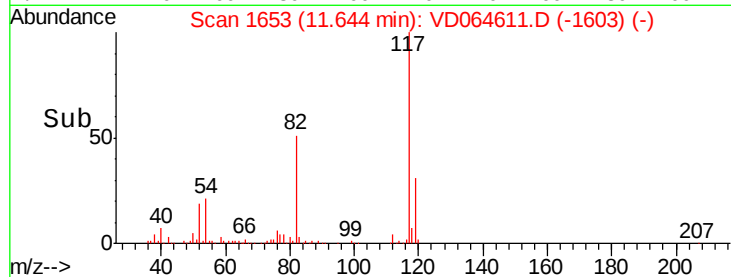
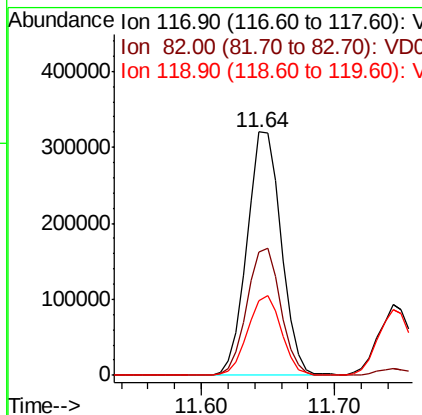
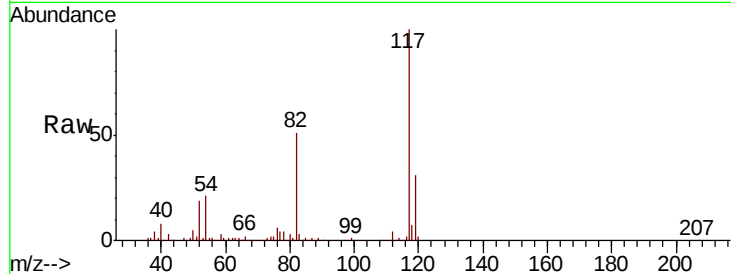




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

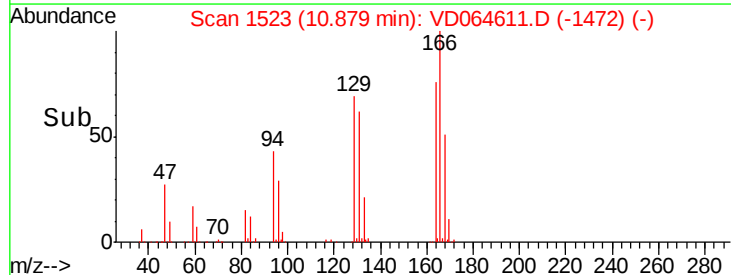
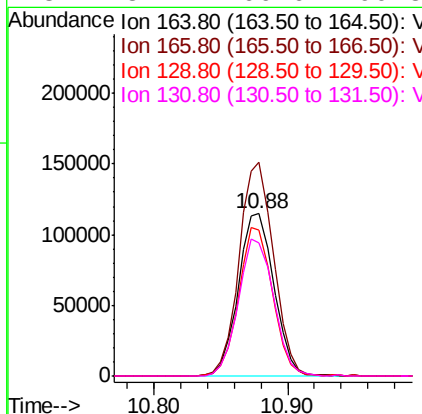
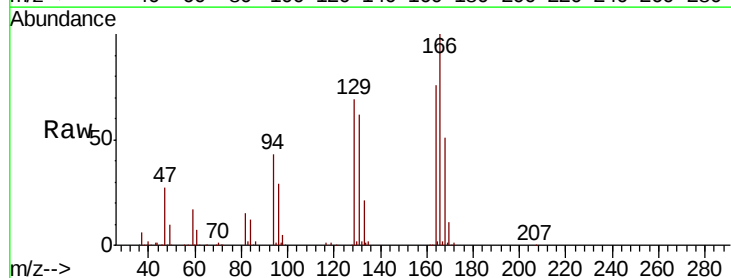
Instrument :
MSVOA_D
ClientSampleId :

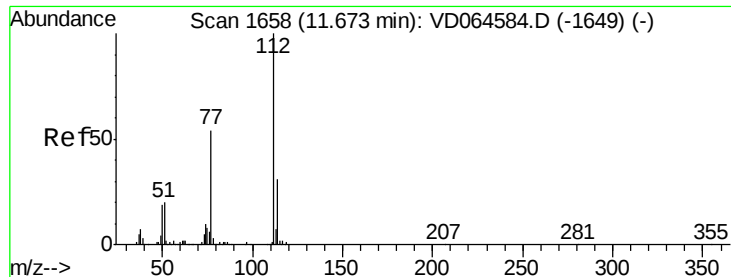
Tot Ion:117 Resp: 566348
Ion Ratio Lower Upper
117 100
82 50.7 42.2 63.4
119 30.8 26.0 39.0



#64
Tetrachloroethene
Concen: 48.659 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion:164 Resp: 211418
Ion Ratio Lower Upper
164 100
166 131.5 101.3 151.9
129 90.2 70.5 105.7
131 81.7 66.6 99.8

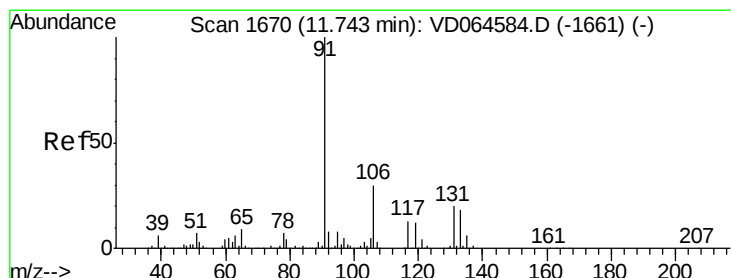
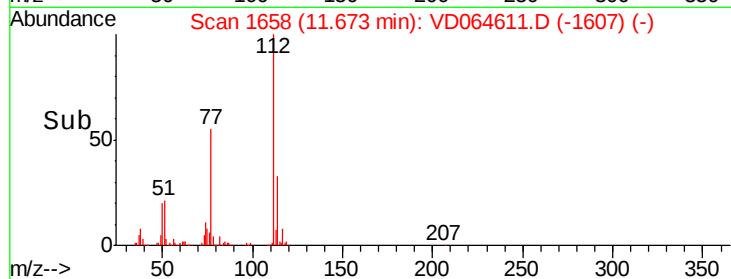
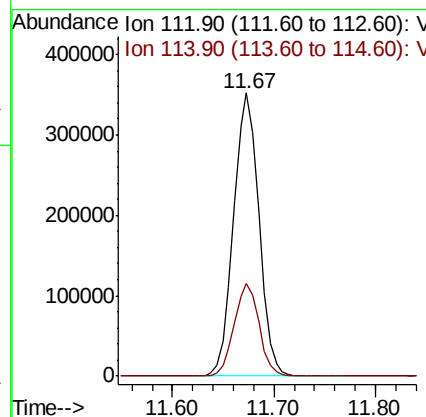
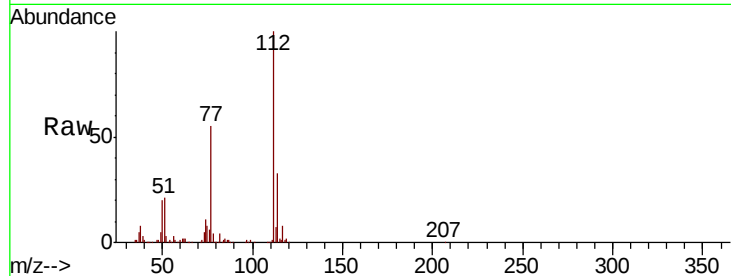




#65
Chlorobenzene
Concen: 52.014 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

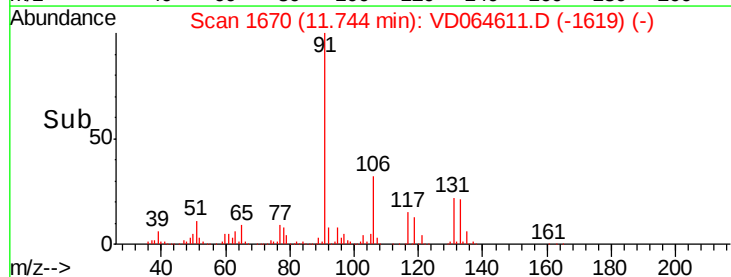
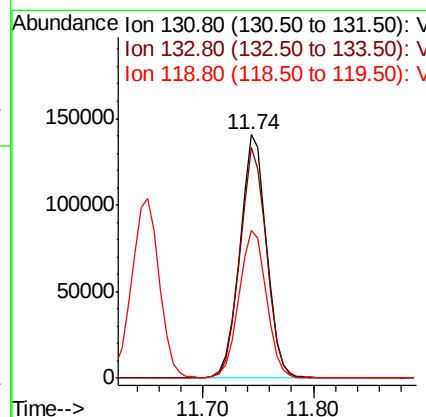
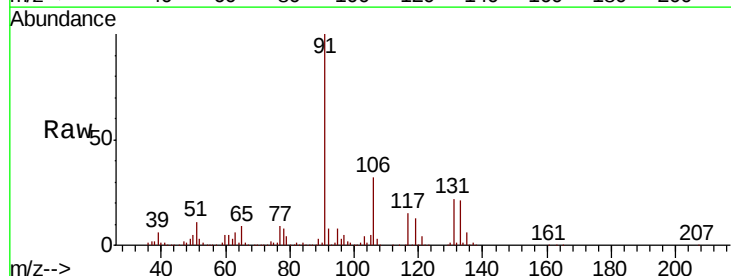
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 611402
Ion Ratio Lower Upper
112 100
114 32.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.867 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion:131 Resp: 238698
Ion Ratio Lower Upper
131 100
133 94.8 48.3 144.8
119 62.5 32.1 96.3





#67

Ethyl Benzene

Concen: 51.199 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

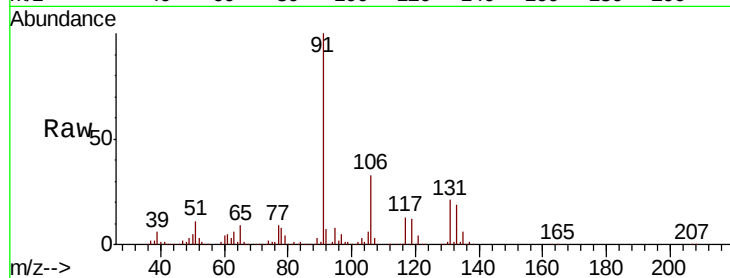
ClientSampleId :

Tot Ion: 91 Resp: 1092329

Ion Ratio Lower Upper

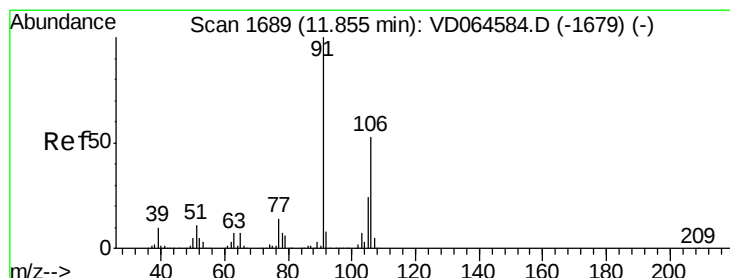
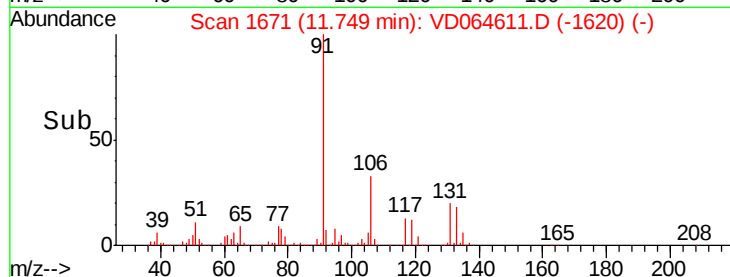
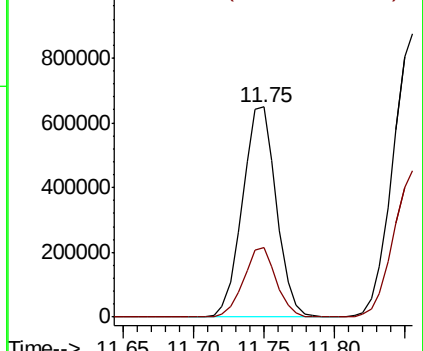
91 100

106 33.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.300 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064611.D

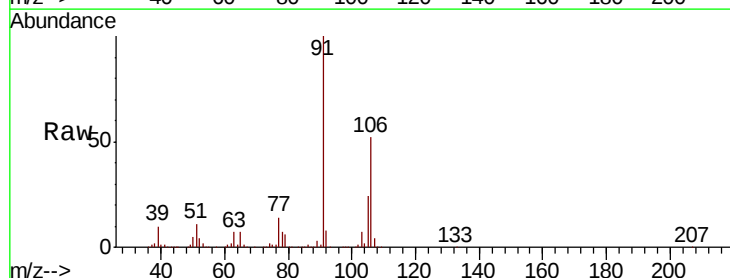
Acq: 26 Dec 2019 20:53

Tgt Ion: 106 Resp: 842432

Ion Ratio Lower Upper

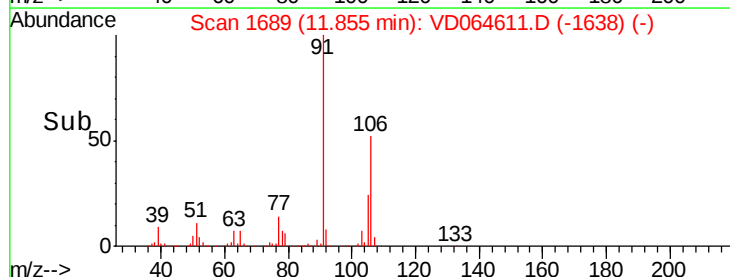
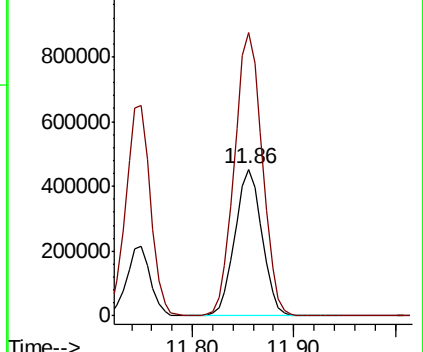
106 100

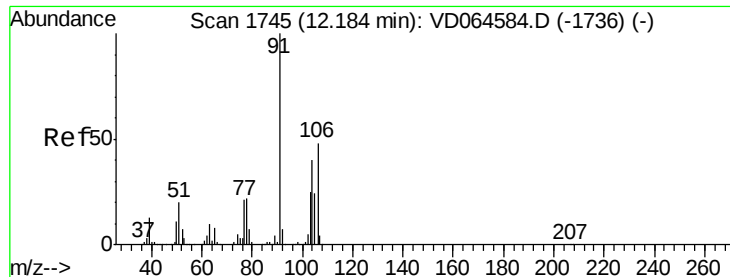
91 198.2 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

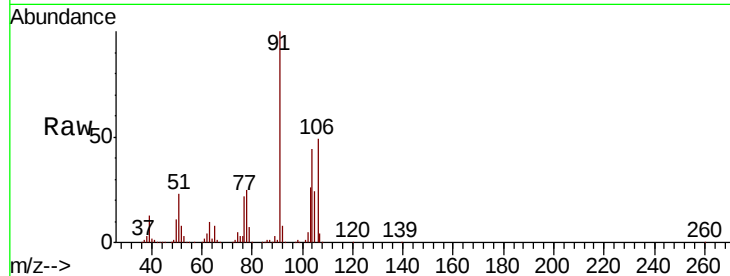




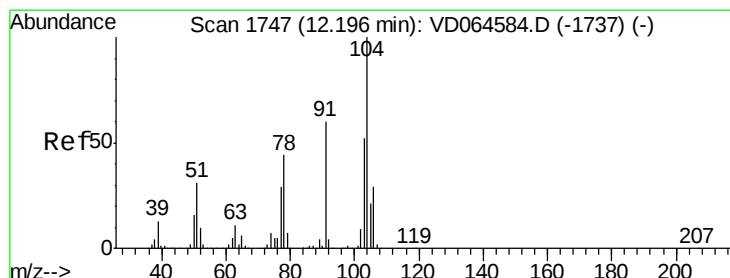
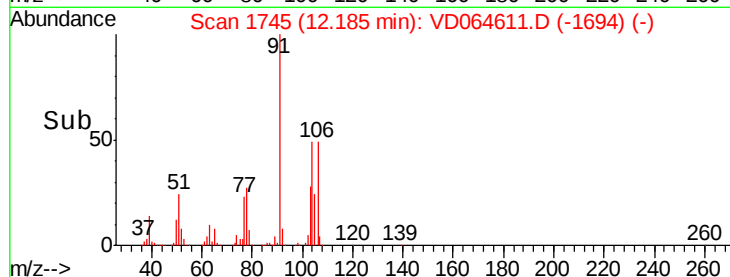
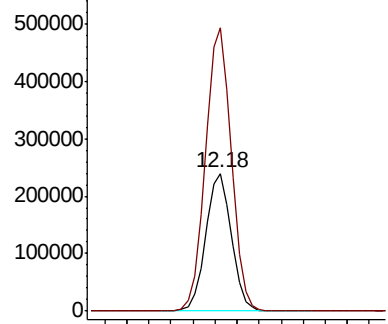
#69
o-Xylene
Concen: 52.479 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 390349
Ion Ratio Lower Upper
106 100
91 207.8 104.8 314.4

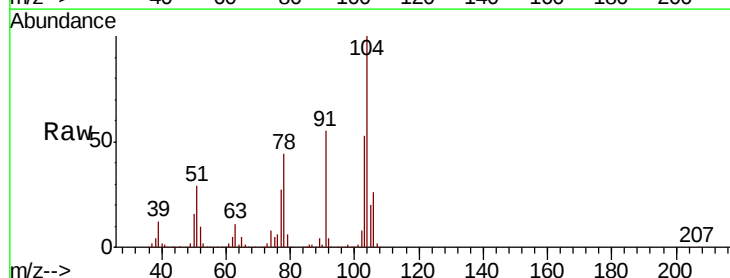


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

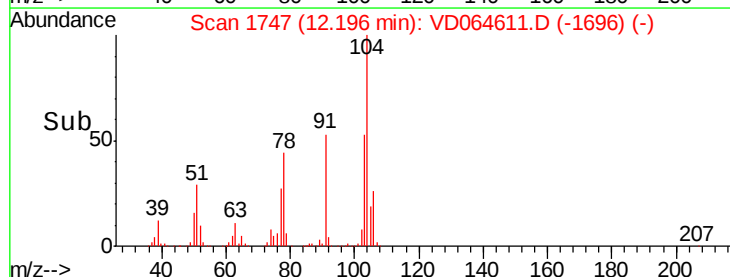
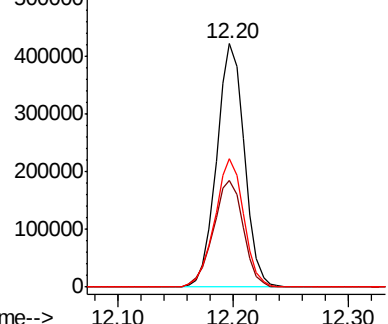


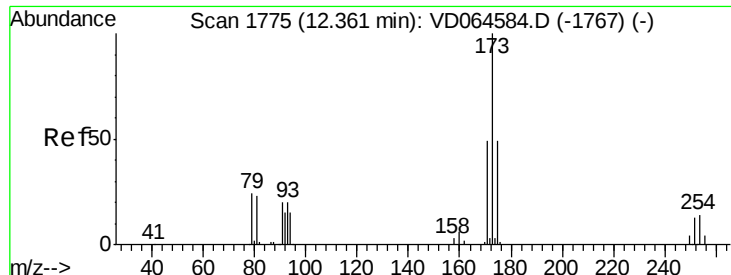
#70
Styrene
Concen: 53.652 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion:104 Resp: 700490
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.1 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.510 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampled :

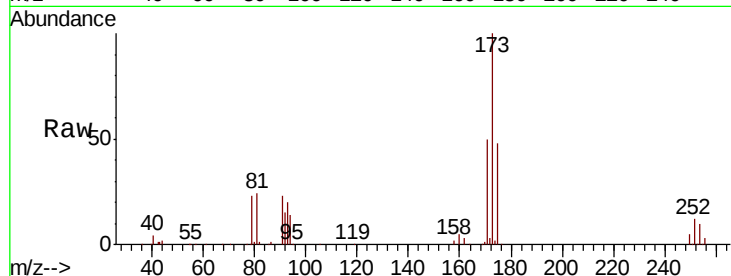
Tot Ion:173 Resp: 137748

Ion Ratio Lower Upper

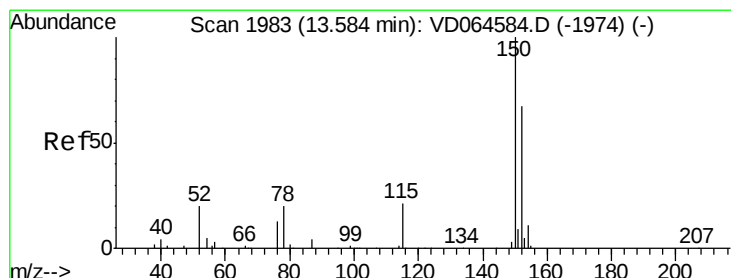
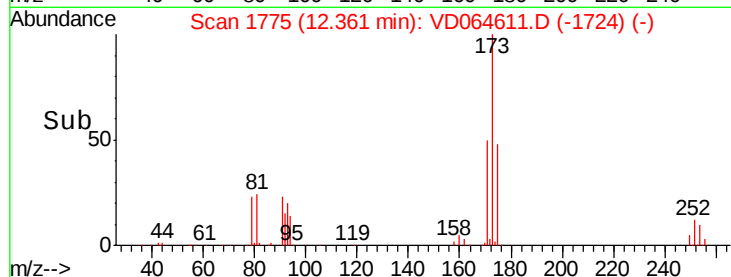
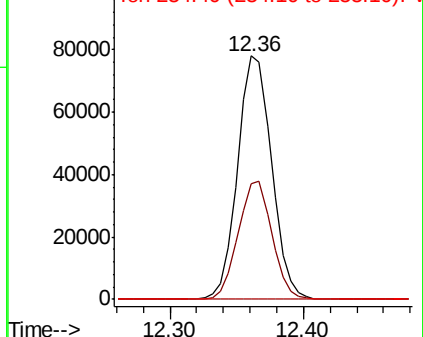
173 100

175 48.1 24.6 73.8

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

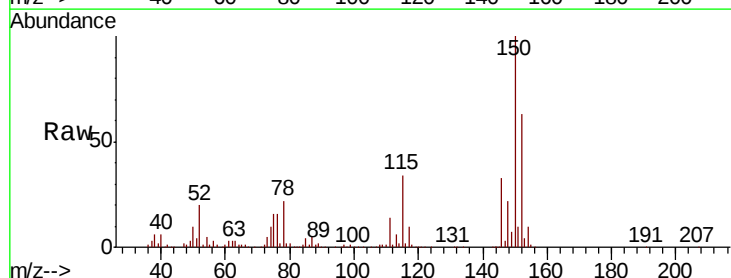
Tgt Ion:152 Resp: 284874

Ion Ratio Lower Upper

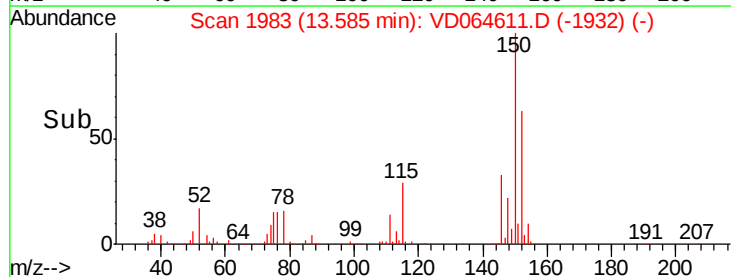
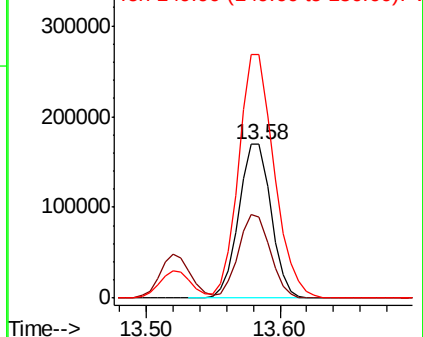
152 100

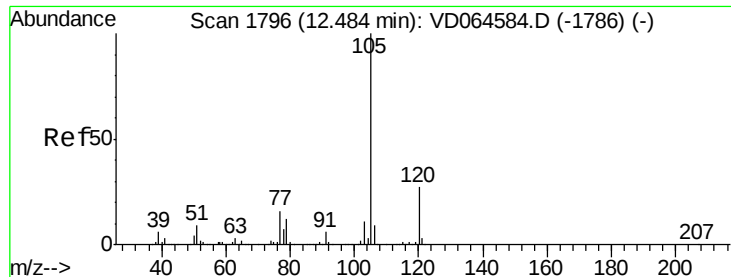
115 53.6 27.8 83.4

150 173.0 0.0 351.4



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





#73

Isopropylbenzene

Concen: 50.289 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

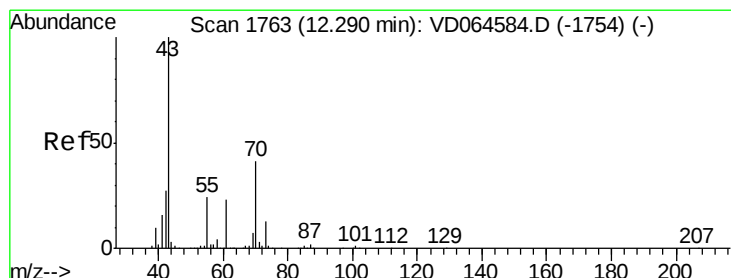
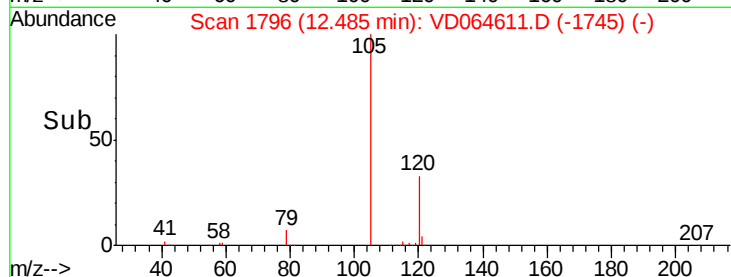
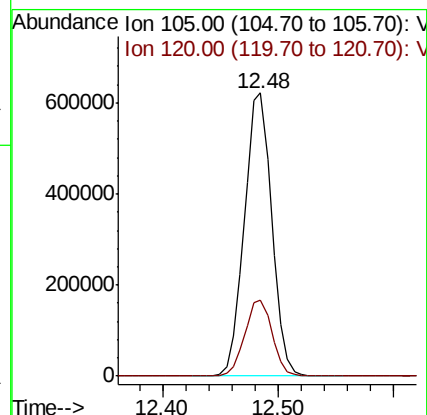
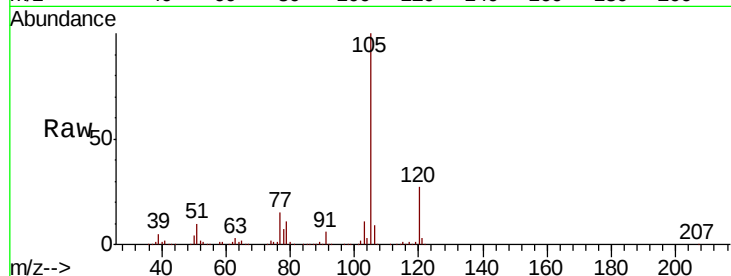
ClientSampleId :

Tot Ion:105 Resp: 1023776

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



#74

N-ethyl acetate

Concen: 54.084 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Tgt Ion: 43 Resp: 235362

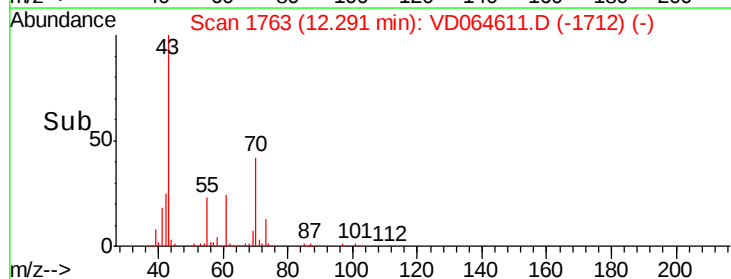
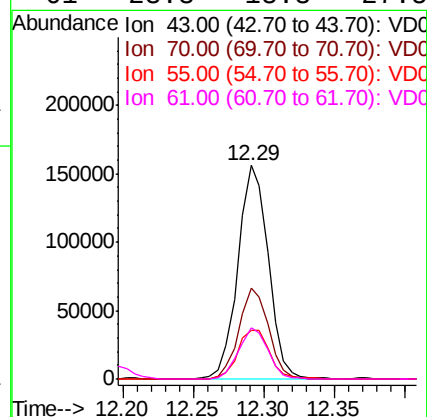
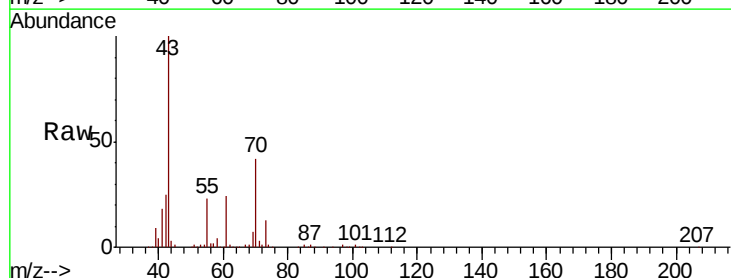
Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.0

55 24.5 19.4 29.0

61 23.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.968 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

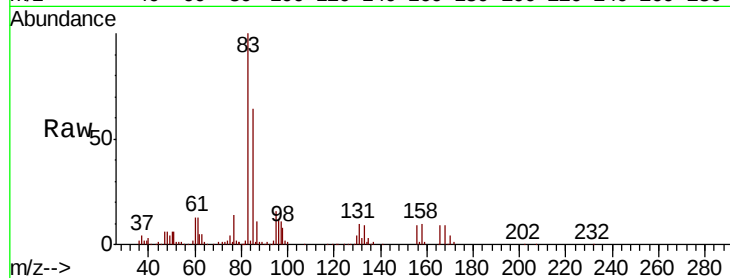
Tot Ion: 83 Resp: 169393

Ion Ratio Lower Upper

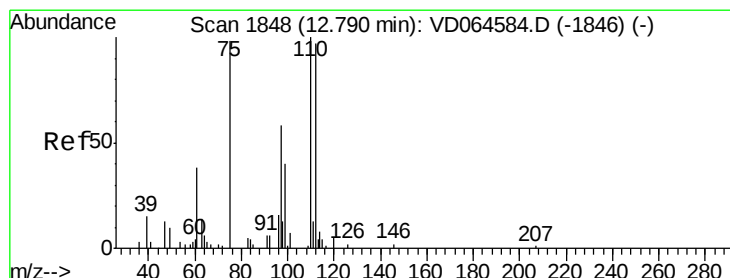
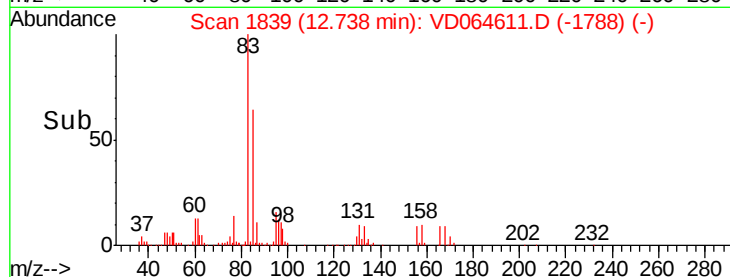
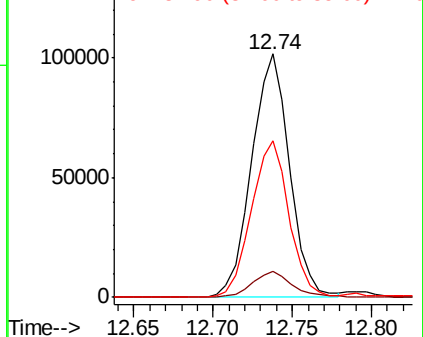
83 100

131 11.1 5.8 17.4

85 63.7 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 98.847 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064611.D

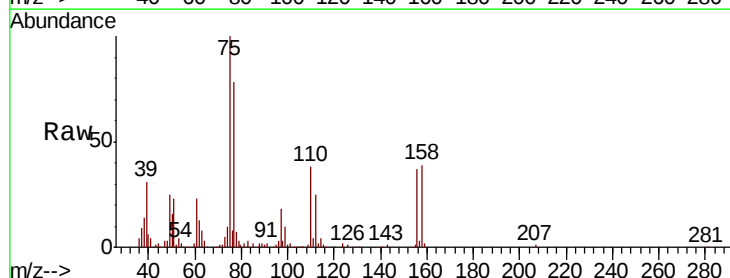
Acq: 26 Dec 2019 20:53

Tgt Ion: 75 Resp: 222361

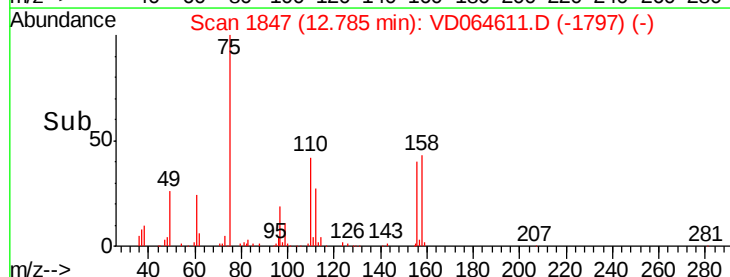
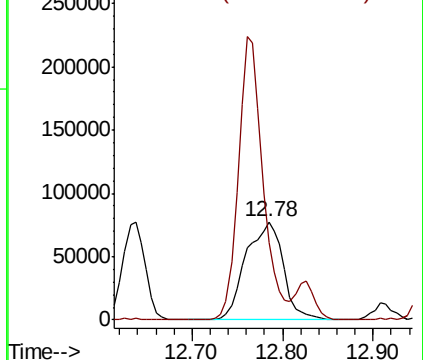
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.583 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

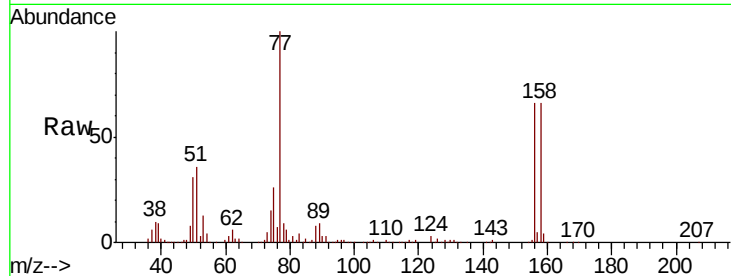
Tot Ion:156 Resp: 263032

Ion Ratio Lower Upper

156 100

77 160.6 80.9 242.7

158 98.6 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

300000

250000

200000

150000

100000

50000

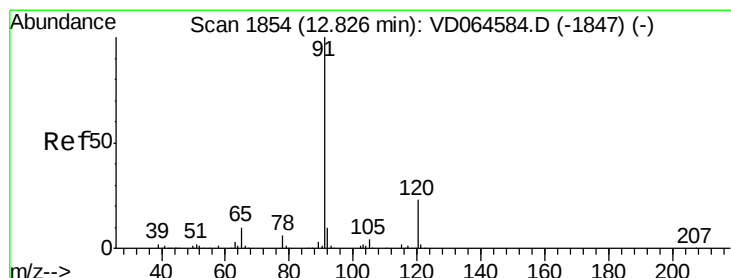
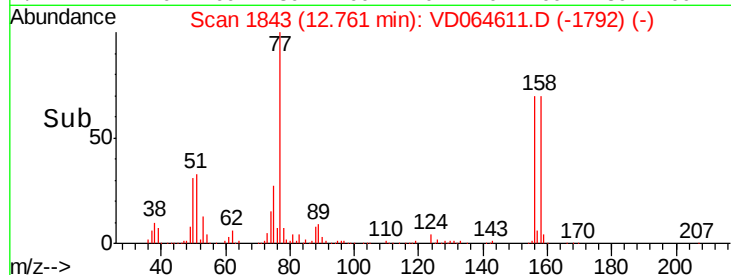
0

12.70

12.76

12.80

Time-->



#78

n-propylbenzene

Concen: 50.382 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064611.D

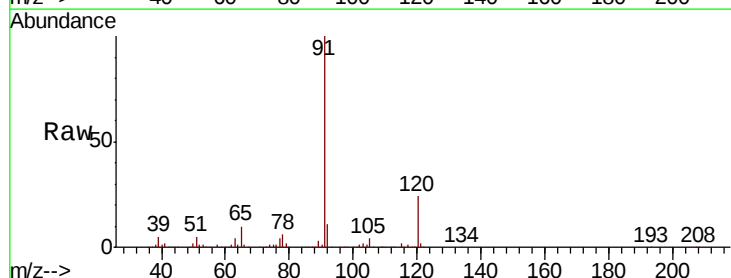
Acq: 26 Dec 2019 20:53

Tgt Ion: 91 Resp: 1196562

Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

12.75

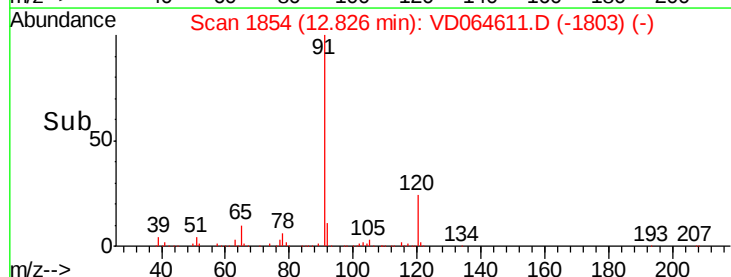
12.80

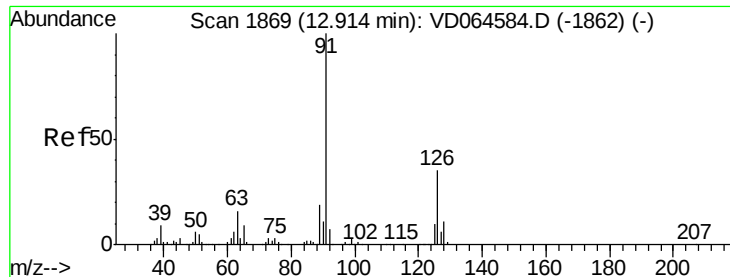
12.83

12.85

12.90

Time-->

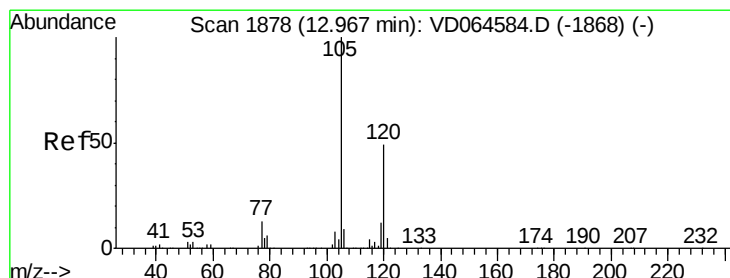
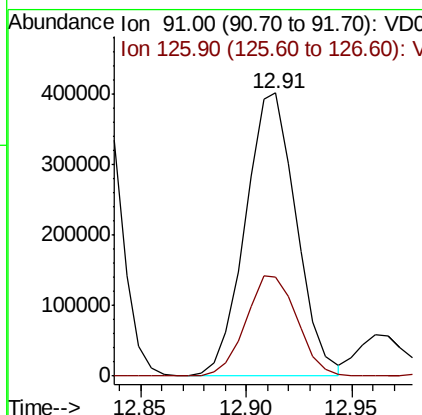
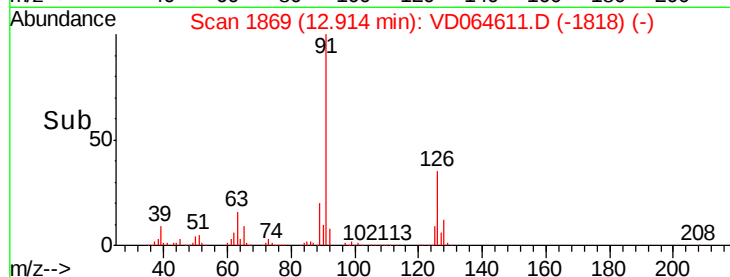
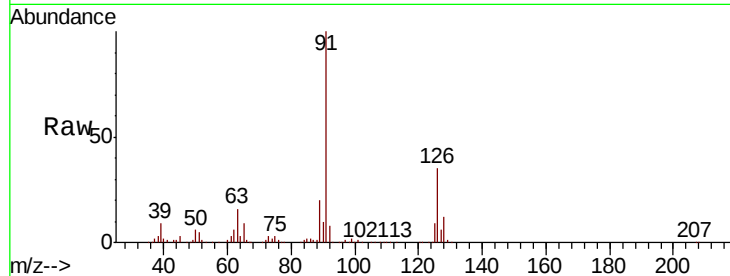




#79
 2-Chlorotoluene
 Concen: 51.572 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

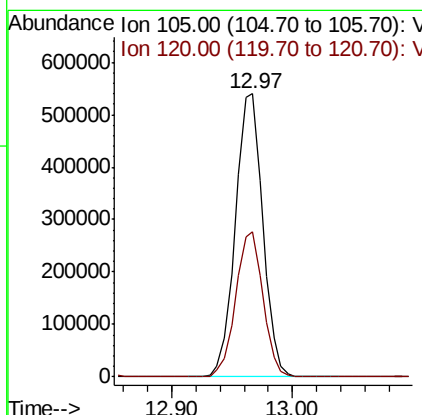
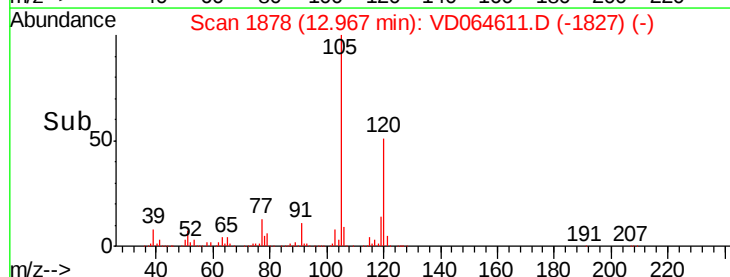
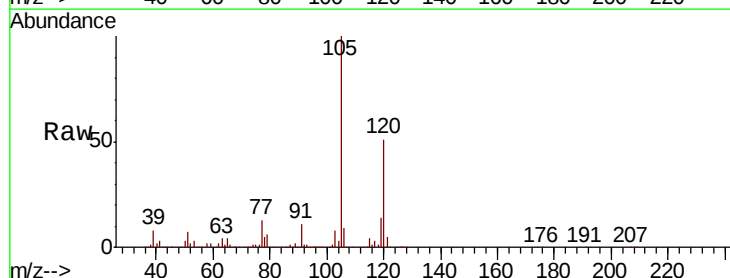
Instrument :
 MSVOA_D
 ClientSampled :

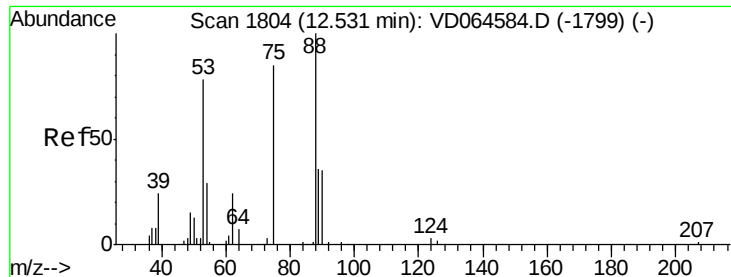
Tot Ion: 91 Resp: 672844
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.198 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion: 105 Resp: 856183
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.517 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

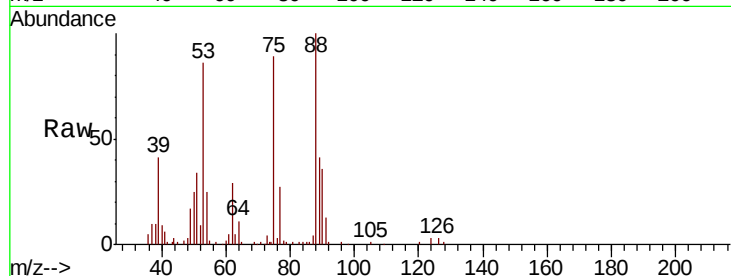
Tot Ion: 75 Resp: 55411

Ion Ratio Lower Upper

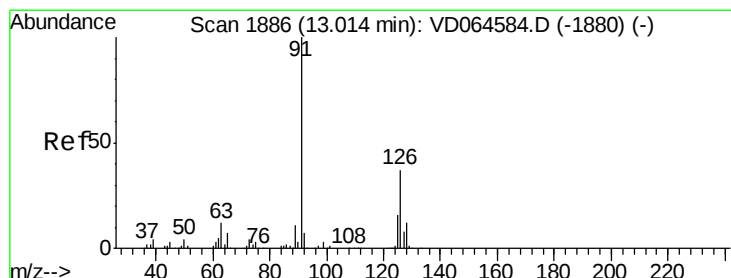
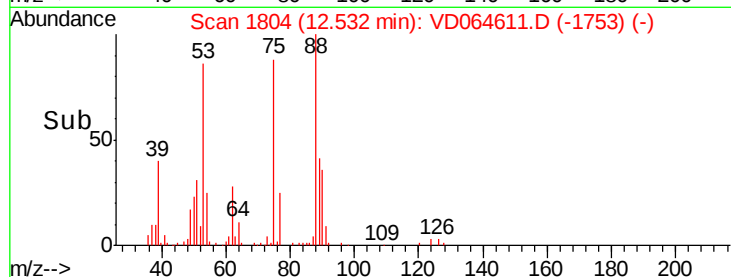
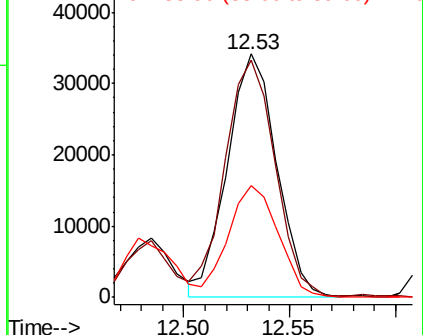
75 100

53 98.4 78.8 118.2

89 46.0 38.3 57.5



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



#82

4-Chlorotoluene

Concen: 51.602 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064611.D

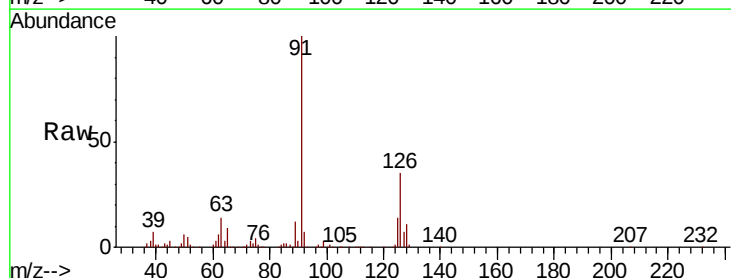
Acq: 26 Dec 2019 20:53

Tgt Ion: 91 Resp: 716461

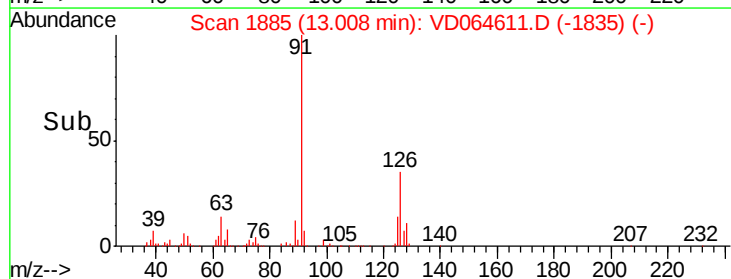
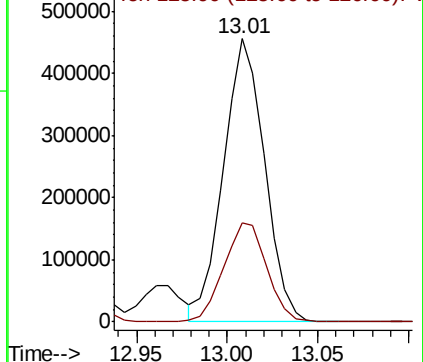
Ion Ratio Lower Upper

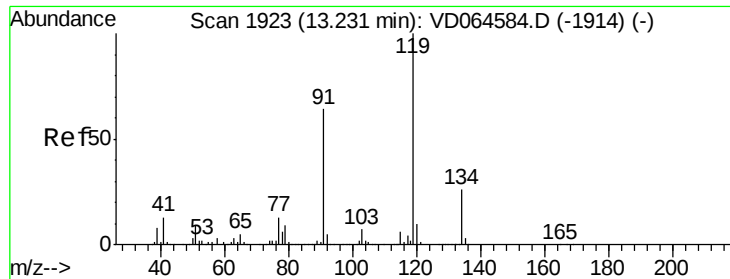
91 100

126 36.6 17.8 53.5



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

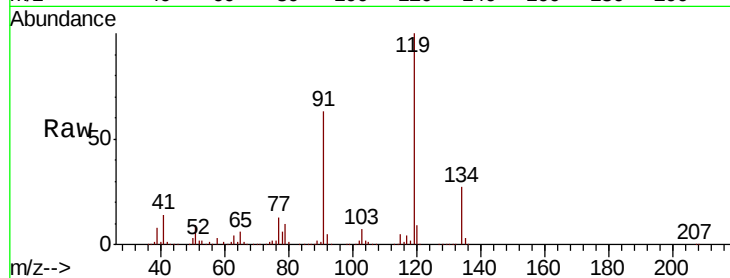




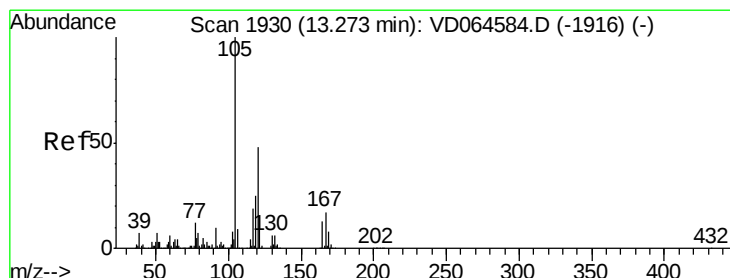
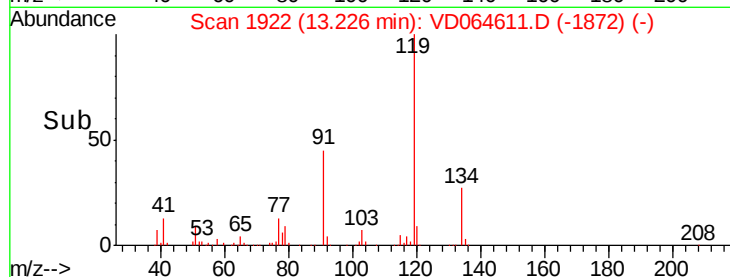
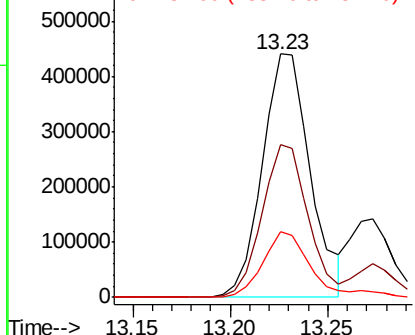
#83
tert-Butylbenzene
Concen: 51.565 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 748710
Ion Ratio Lower Upper
119 100
91 60.2 30.8 92.4
134 27.3 12.8 38.3

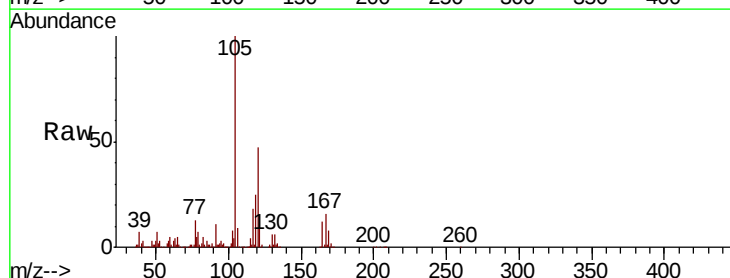


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

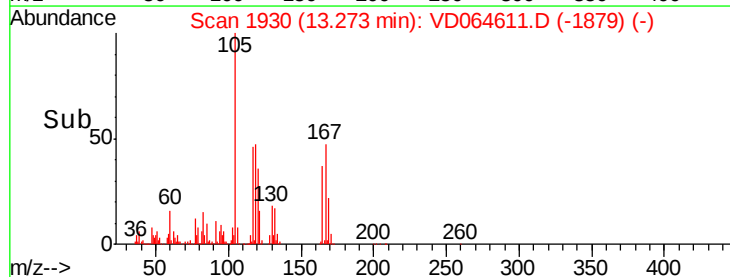
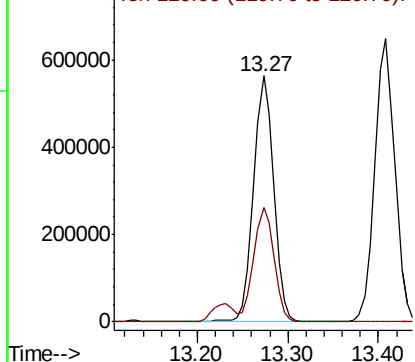


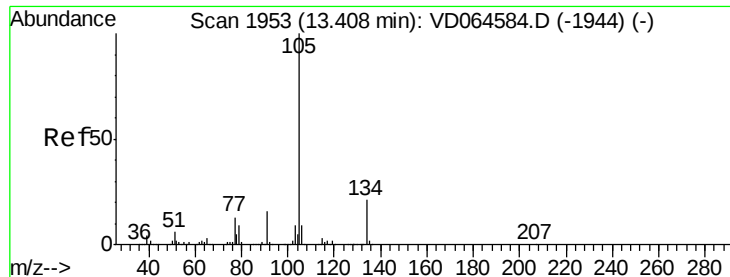
#84
1,2,4-Trimethylbenzene
Concen: 51.955 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion:105 Resp: 865300
Ion Ratio Lower Upper
105 100
120 47.2 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.156 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

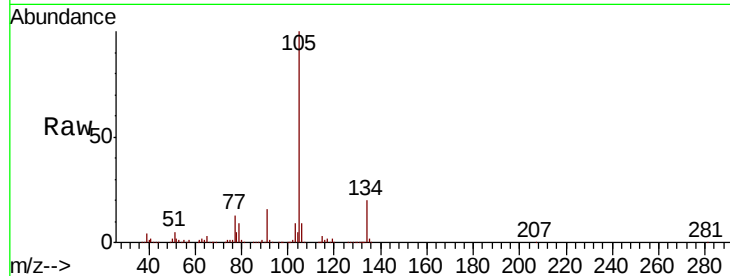
ClientSampleId :

Tot Ion:105 Resp: 998388

Ion Ratio Lower Upper

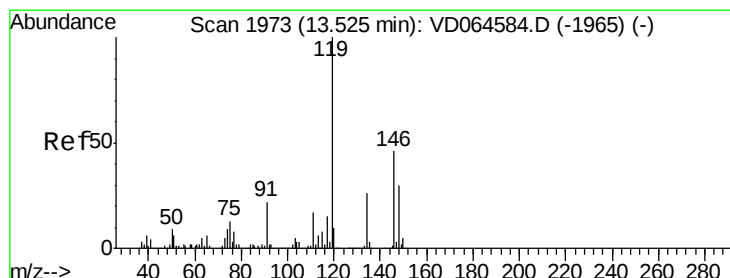
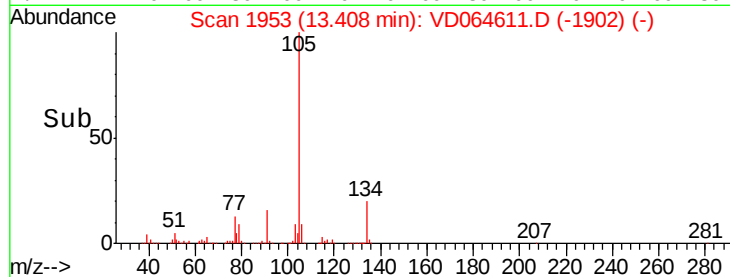
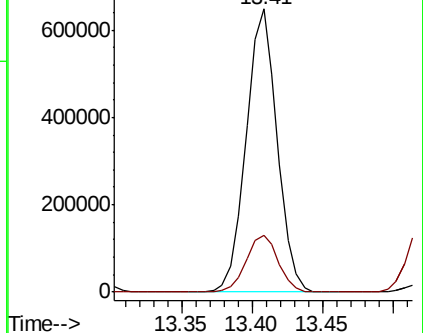
105 100

134 20.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.381 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

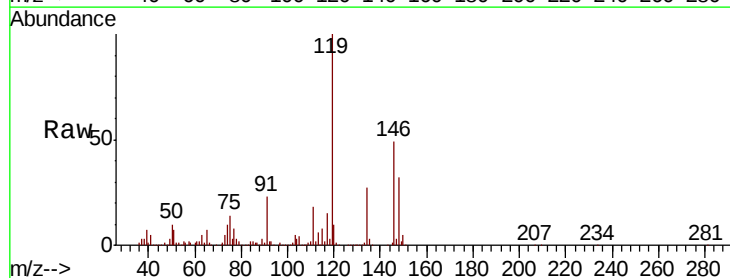
Tgt Ion:119 Resp: 958933

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

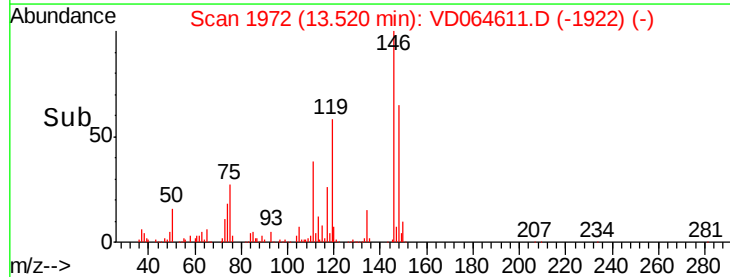
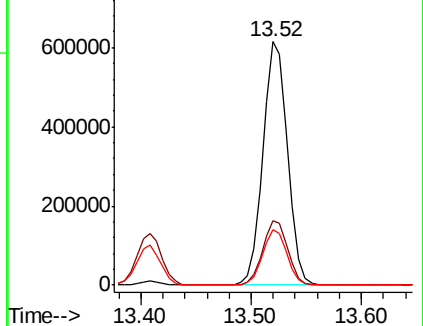
91 22.5 11.2 33.6

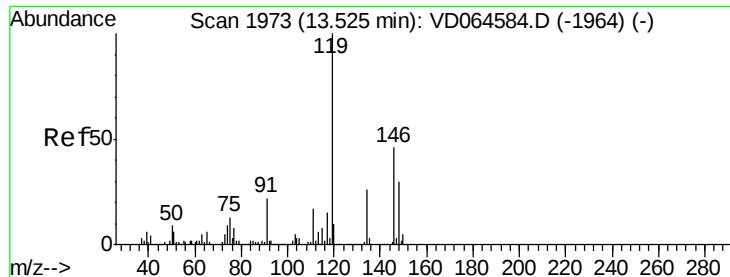


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

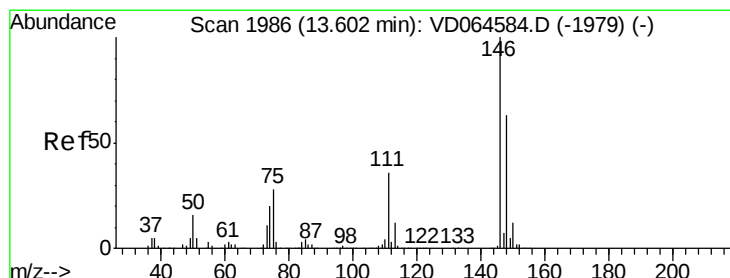
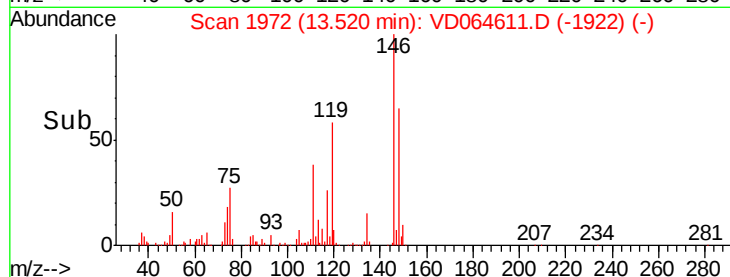
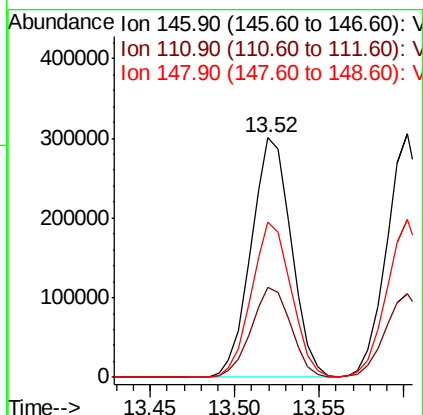
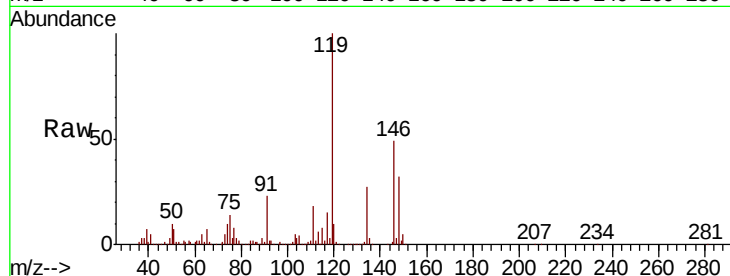




#87
 1,3-Dichlorobenzene
 Concen: 52.204 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

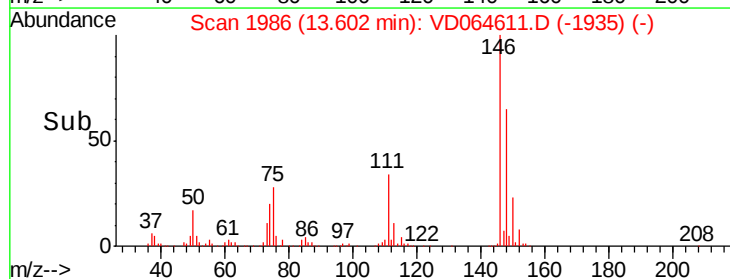
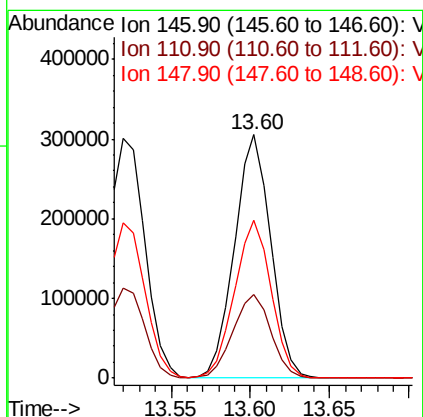
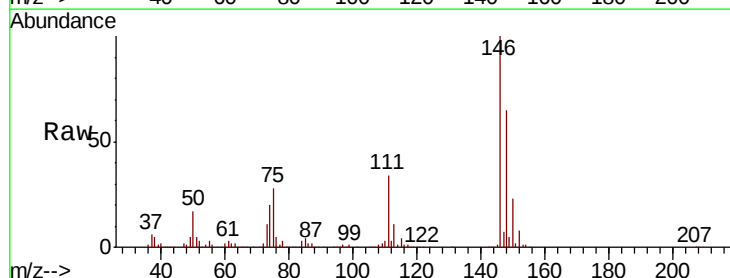
Instrument :
 MSVOA_D
 ClientSampleID :

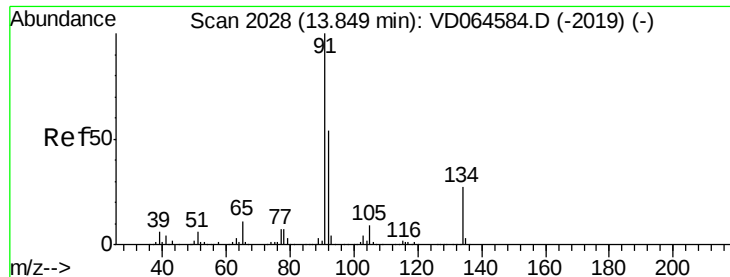
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.1	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 51.795 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	65.2	32.3	96.9

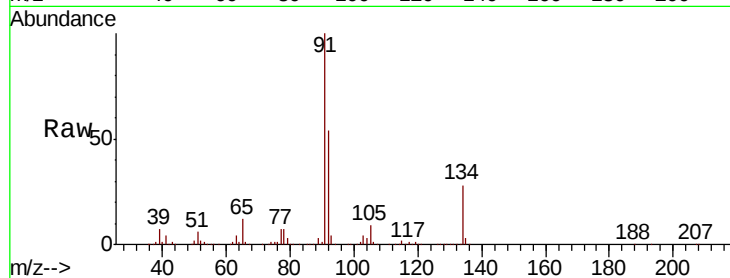




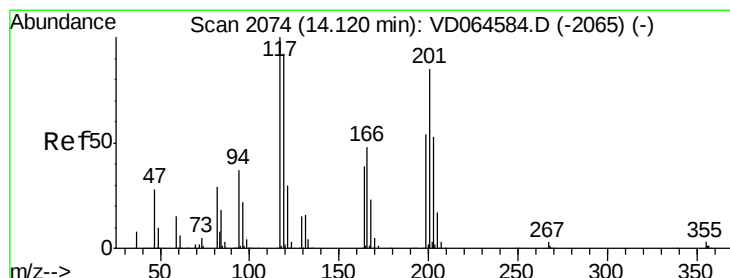
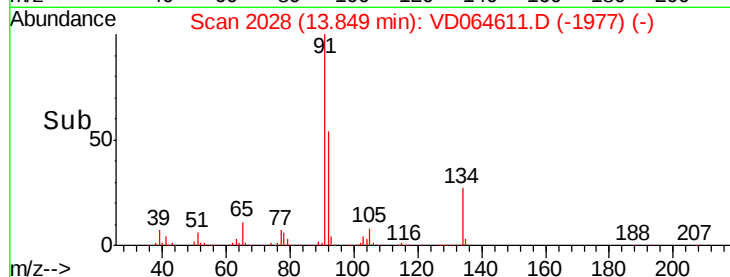
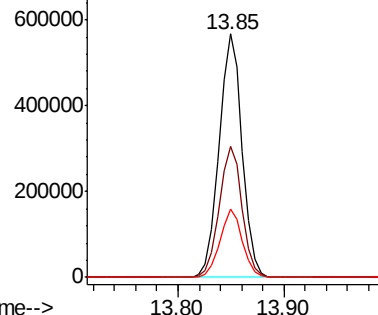
#89
n-Butylbenzene
Concen: 49.881 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 854976
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.4
134 27.1 14.0 41.9

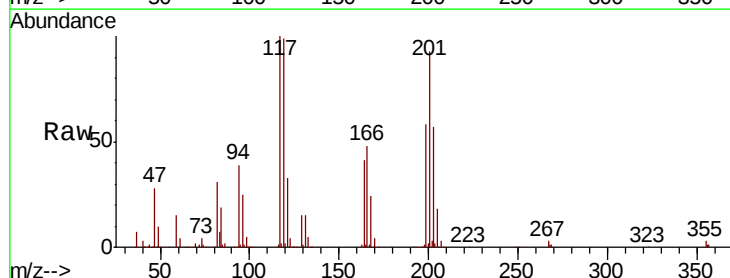


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V

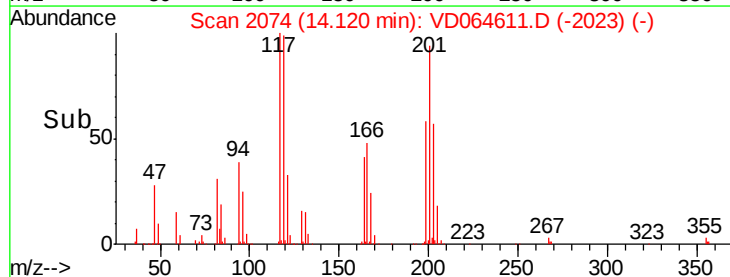
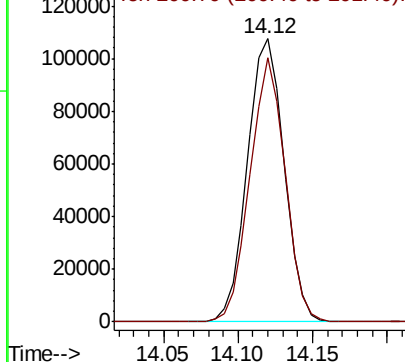


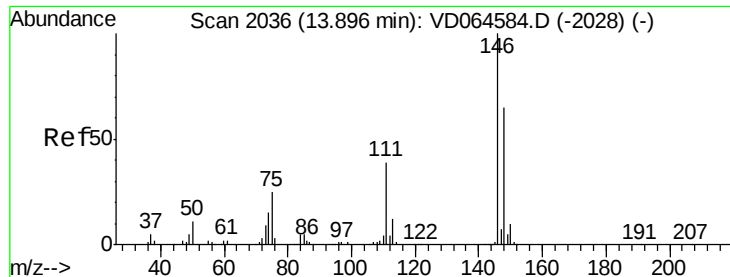
#90
Hexachloroethane
Concen: 50.325 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion: 117 Resp: 182973
Ion Ratio Lower Upper
117 100
201 89.1 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 52.376 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

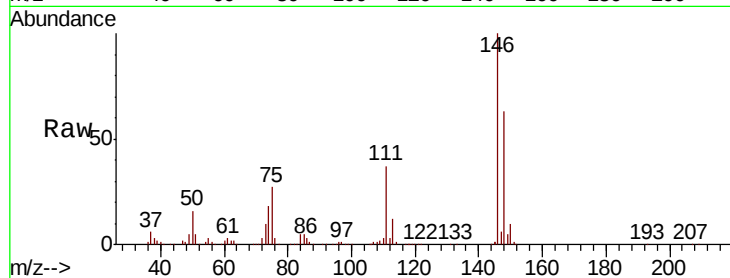
Tot Ion:146 Resp: 425879

Ion Ratio Lower Upper

146 100

111 38.2 19.3 57.9

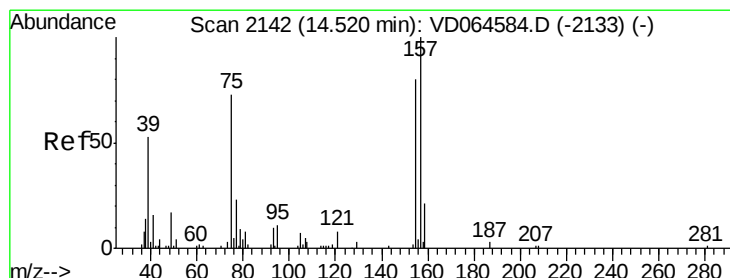
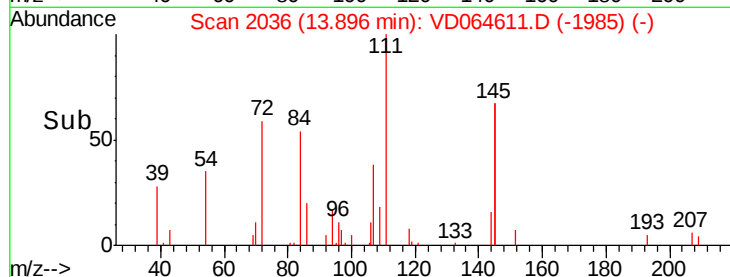
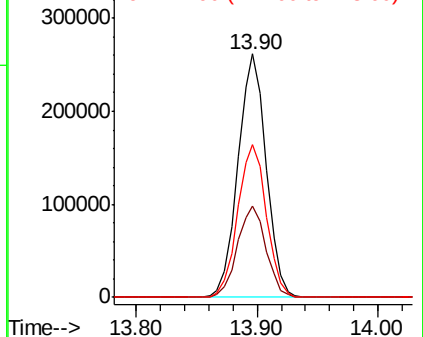
148 63.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.104 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064611.D

Acq: 26 Dec 2019 20:53

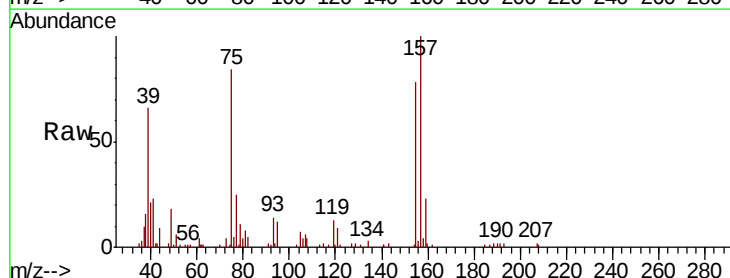
Tgt Ion: 75 Resp: 26494

Ion Ratio Lower Upper

75 100

155 95.9 48.0 144.0

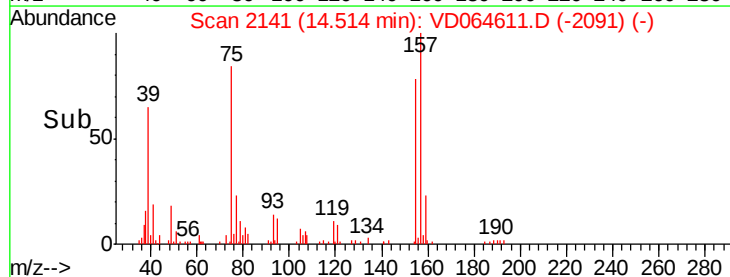
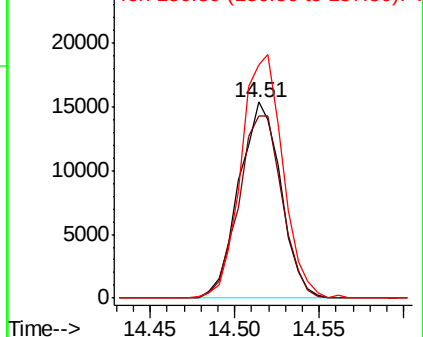
157 124.0 64.1 192.3

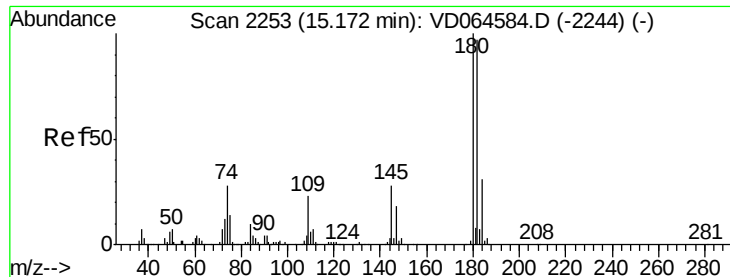


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

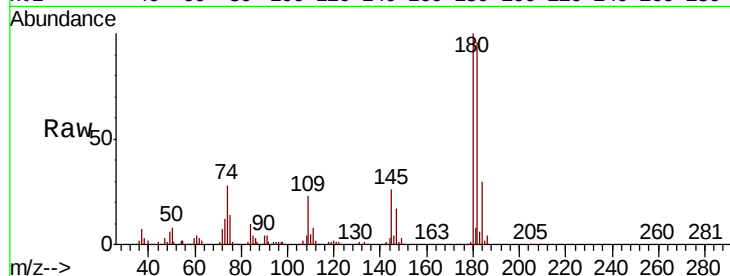




#93
 1,2,4-Trichlorobenzene
 Concen: 52.362 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	27.7	13.8	41.4

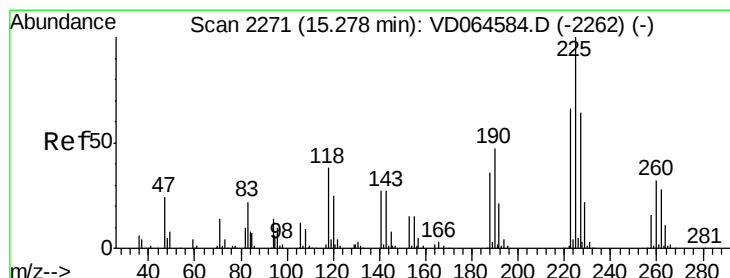
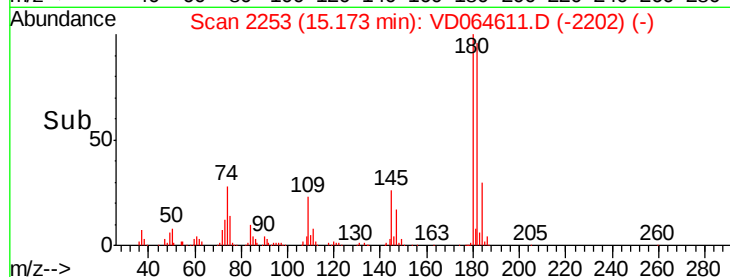
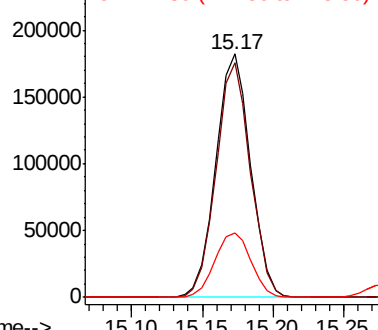


Abundance

Ion 179.80 (179.50 to 180.50): V

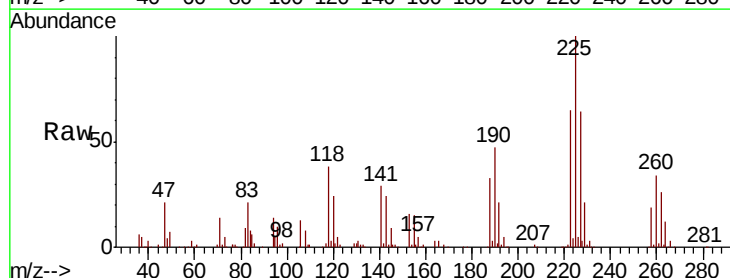
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.869 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064611.D
 Acq: 26 Dec 2019 20:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	63.9	30.9	92.7

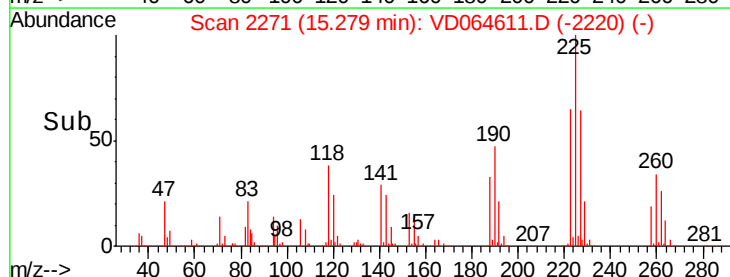
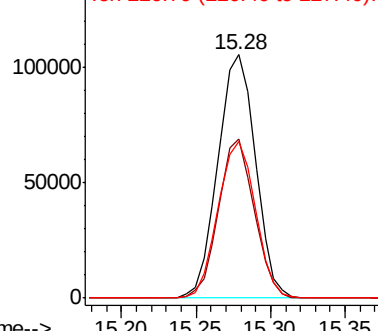


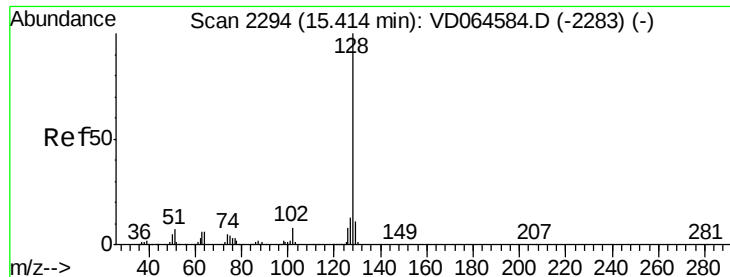
Abundance

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

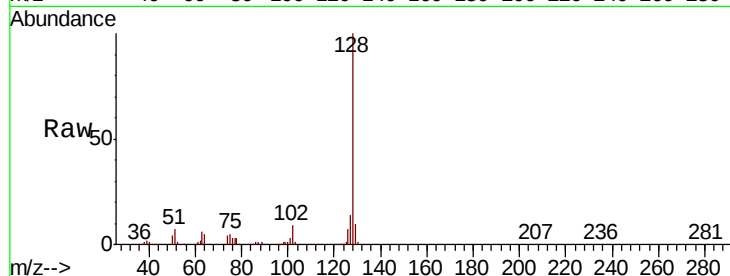




#95
Naphthalene
Concen: 55.075 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.8	8.5	12.7

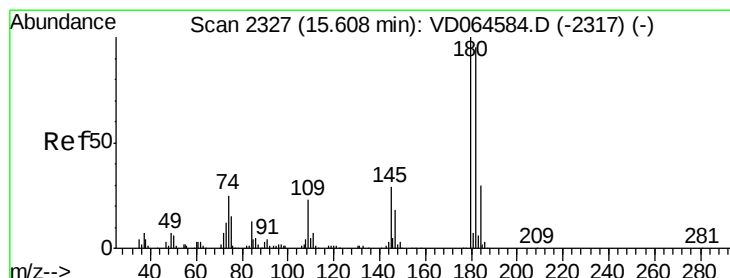
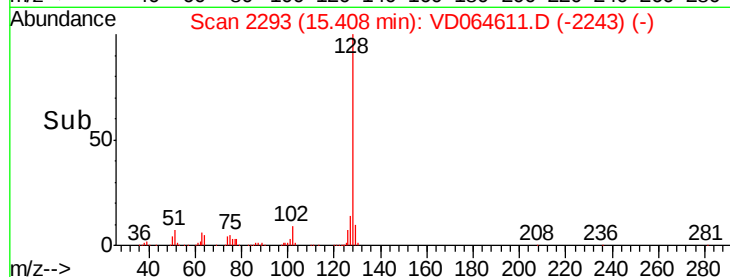
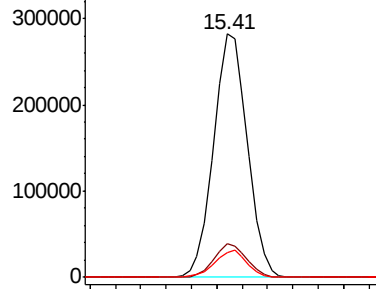


Abundance

Ion 128.00 (127.70 to 128.70): V

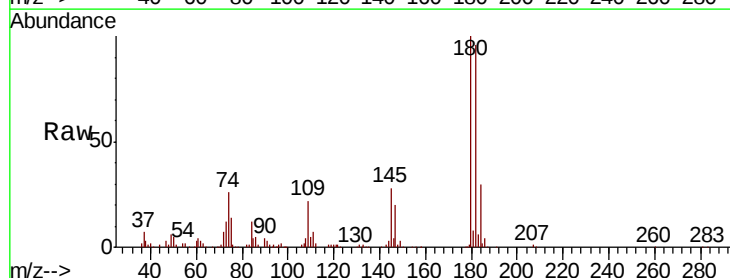
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.675 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064611.D
Acq: 26 Dec 2019 20:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.7
145	28.7	14.9	44.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

