

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064615.D
 Acq On : 27 Dec 2019 00:09
 Operator : VA/SY
 Sample : VD1226SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 05:01:19 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	356827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	186962	59.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.84%	
35) Dibromofluoromethane	7.92	113	184823	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.34	98	699132	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.64	95	224466	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54921	19.805	ug/l	97
3) Chloromethane	2.21	50	85920	22.154	ug/l	97
4) Vinyl Chloride	2.35	62	95106	20.112	ug/l	98
5) Bromomethane	2.76	94	79509	23.125	ug/l	93
6) Chloroethane	2.92	64	68638	21.663	ug/l	98
7) Trichlorofluoromethane	3.27	101	163885	20.583	ug/l	97
8) Diethyl Ether	3.71	74	36074	22.816	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	68293	20.711	ug/l	97
10) Methyl Iodide	4.30	142	72313	20.416	ug/l	100
11) Tert butyl alcohol	5.26	59	21270	117.954	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	65251	20.785	ug/l	95
13) Acrolein	3.92	56	26168	104.126	ug/l	98
14) Allyl chloride	4.71	41	110015	22.477	ug/l	96
15) Acrylonitrile	5.43	53	77885	118.262	ug/l	99
16) Acetone	4.16	43	65569	94.603	ug/l	96
17) Carbon Disulfide	4.40	76	209969	20.685	ug/l	99
18) Methyl Acetate	4.73	43	44509	25.126	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	162021	23.236	ug/l	100
20) Methylene Chloride	4.96	84	83595	23.375	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	77919	21.794	ug/l	96
22) Diisopropyl ether	6.37	45	229226	23.480	ug/l	99
23) Vinyl Acetate	6.31	43	625929	113.025	ug/l	97
24) 1,1-Dichloroethane	6.27	63	136722	23.328	ug/l	99
25) 2-Butanone	7.23	43	99538	115.088	ug/l	100
26) 2,2-Dichloropropane	7.21	77	106565	19.556	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	86279	22.361	ug/l	99
28) Bromochloromethane	7.55	49	49689	21.810	ug/l	100
29) Tetrahydrofuran	7.57	42	62568	116.329	ug/l	99
30) Chloroform	7.71	83	141922	23.080	ug/l	100
31) Cyclohexane	7.98	56	116098	19.789	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	123153	21.323	ug/l	99
36) 1,1-Dichloropropene	8.11	75	102952	19.224	ug/l	98
37) Ethyl Acetate	7.30	43	46222	21.970	ug/l	96
38) Carbon Tetrachloride	8.10	117	108608	19.019	ug/l	98

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 ClientSampleId :

Quant Time: Dec 27 05:01:19 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	121021	18.658	ug/l	97
40) Benzene	8.36	78	307106	21.006	ug/l	100
41) Methacrylonitrile	7.53	41	29640	24.282	ug/l	97
42) 1,2-Dichloroethane	8.43	62	93217	22.065	ug/l	99
43) Isopropyl Acetate	8.46	43	91147	21.766	ug/l	98
44) Trichloroethene	9.11	130	87004	20.258	ug/l	98
45) 1,2-Dichloropropane	9.39	63	75722	21.693	ug/l	93
46) Dibromomethane	9.48	93	42285	21.728	ug/l	94
47) Bromodichloromethane	9.66	83	112414	21.707	ug/l	99
48) Methyl methacrylate	9.46	41	40666	20.624	ug/l #	86
49) 1,4-Dioxane	9.47	88	9988	445.090	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	224723	108.570	ug/l	99
52) Toluene	10.40	92	193528	20.177	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	100923	20.903	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	122005	21.430	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	56418	21.511	ug/l	95
56) Ethyl methacrylate	10.66	69	72173	22.034	ug/l	99
57) 1,3-Dichloropropane	10.95	76	101121	22.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	146306	117.238	ug/l	99
59) 2-Hexanone	10.99	43	150247	106.950	ug/l	100
60) Dibromochloromethane	11.14	129	79198	21.836	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57846	22.361	ug/l	98
64) Tetrachloroethene	10.88	164	79346	20.432	ug/l	98
65) Chlorobenzene	11.67	112	212572	20.233	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	82429	20.812	ug/l	99
67) Ethyl Benzene	11.75	91	370114	19.409	ug/l	97
68) m/p-Xylenes	11.86	106	284609	38.668	ug/l	100
69) o-Xylene	12.18	106	132225	19.889	ug/l	100
70) Styrene	12.20	104	234710	20.113	ug/l	99
71) Bromoform	12.36	173	48190	21.336	ug/l #	95
73) Isopropylbenzene	12.48	105	347446	19.866	ug/l	99
74) N-amyl acetate	12.29	43	80631	21.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62414	22.717	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	79723	41.251	ug/l #	100
77) Bromobenzene	12.76	156	95481	22.218	ug/l	96
78) n-propylbenzene	12.83	91	409538	20.071	ug/l	98
79) 2-Chlorotoluene	12.91	91	232136	20.710	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	288898	20.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18508	20.029	ug/l	94
82) 4-Chlorotoluene	13.01	91	246250	20.644	ug/l	99
83) tert-Butylbenzene	13.23	119	248455	19.918	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	293675	20.524	ug/l	100
85) sec-Butylbenzene	13.41	105	332311	19.432	ug/l	99
86) p-Isopropyltoluene	13.52	119	318210	19.460	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	166966	20.380	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	170306	21.161	ug/l	99
89) n-Butylbenzene	13.85	91	288152	19.568	ug/l	98
90) Hexachloroethane	14.12	117	64756	20.731	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	148264	21.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9469	21.260	ug/l	96

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QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

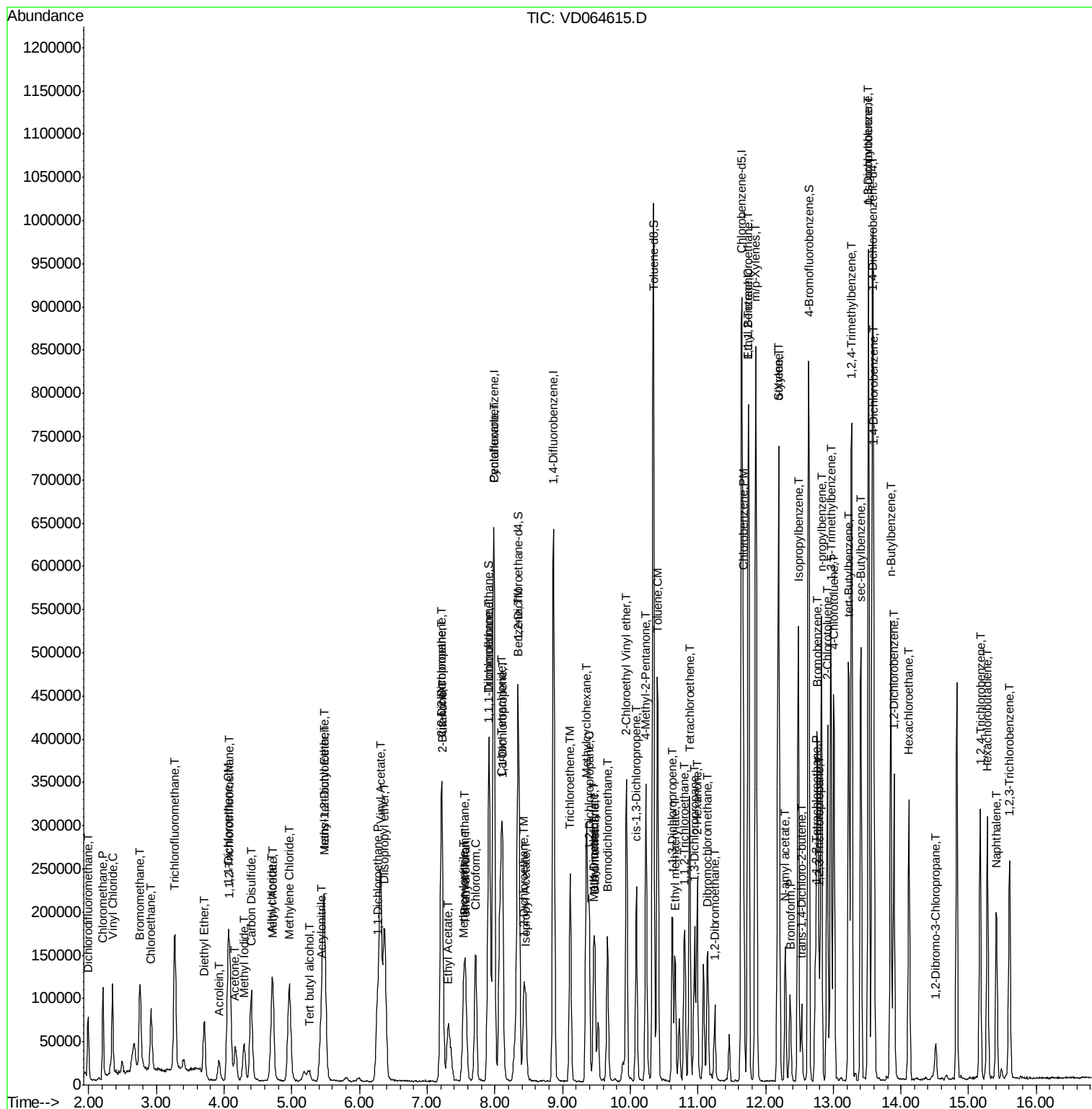
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	105988	20.605	ug/l	100
94) Hexachlorobutadiene	15.28	225	61764	19.082	ug/l	98
95) Naphthalene	15.41	128	174541	21.449	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	91958	20.942	ug/l	99

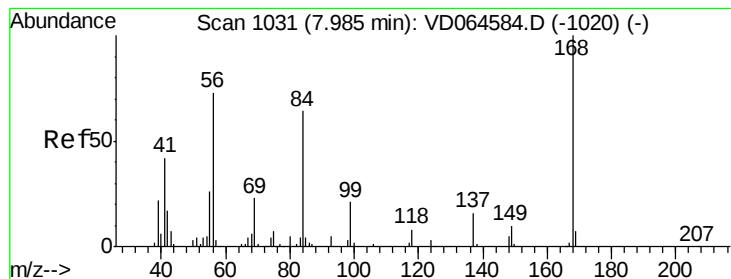
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

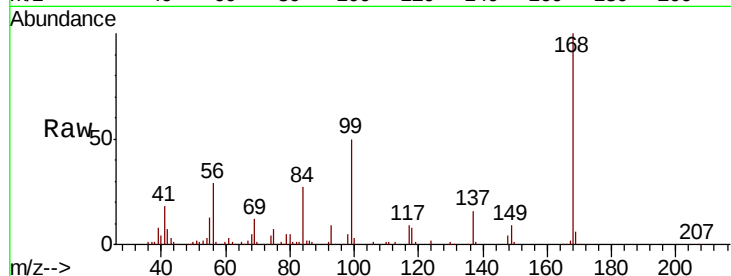
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 356827

Ion Ratio Lower Upper

168 100

99 50.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

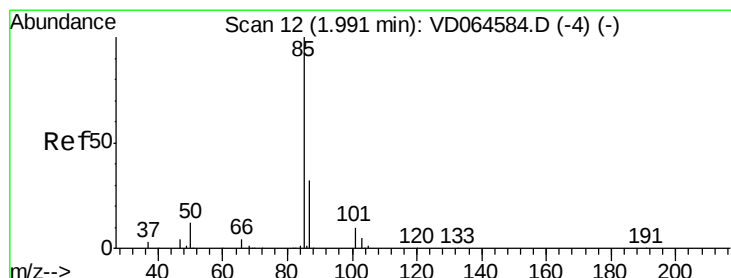
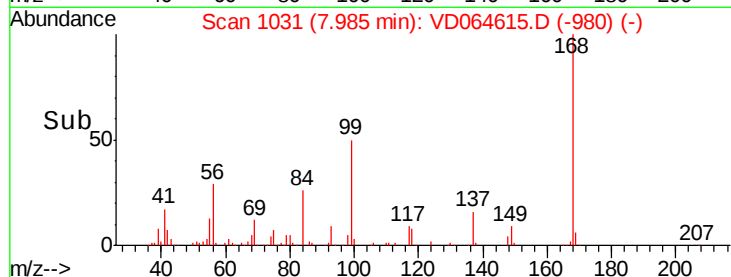
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.805 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064615.D

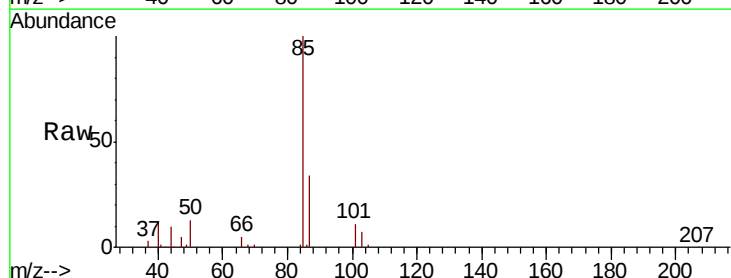
Acq: 27 Dec 2019 00:09

Tgt Ion: 85 Resp: 54921

Ion Ratio Lower Upper

85 100

87 34.0 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

40000

30000

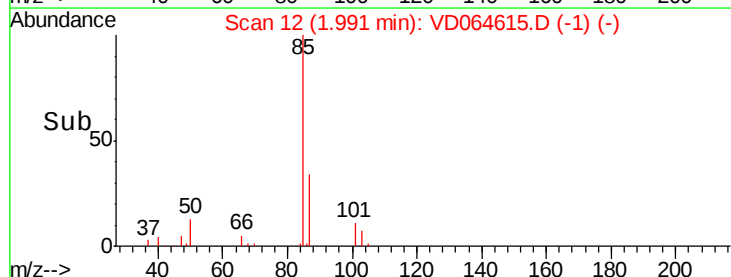
20000

10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.154 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

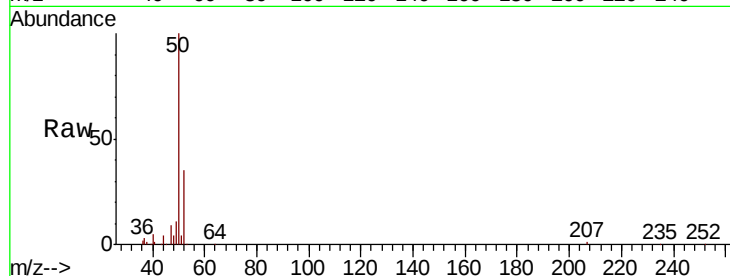
ClientSampleId :

Tot Ion: 50 Resp: 85920

Ion Ratio Lower Upper

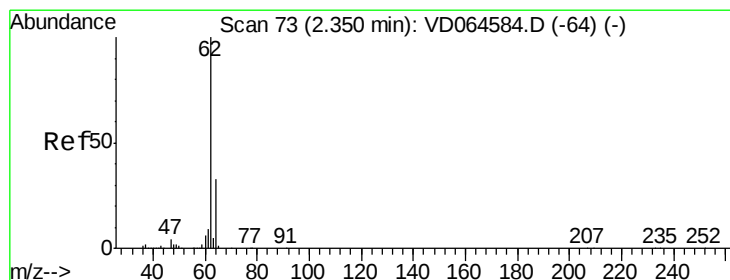
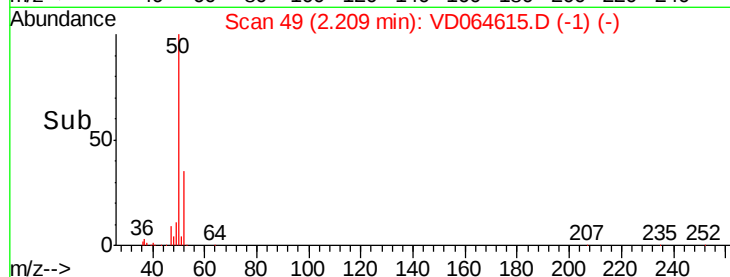
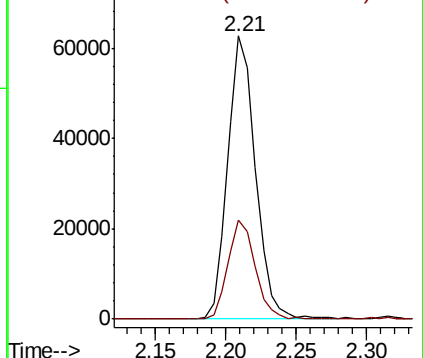
50 100

52 34.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.112 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064615.D

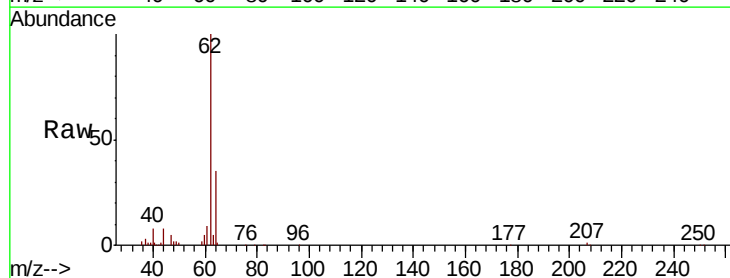
Acq: 27 Dec 2019 00:09

Tgt Ion: 62 Resp: 95106

Ion Ratio Lower Upper

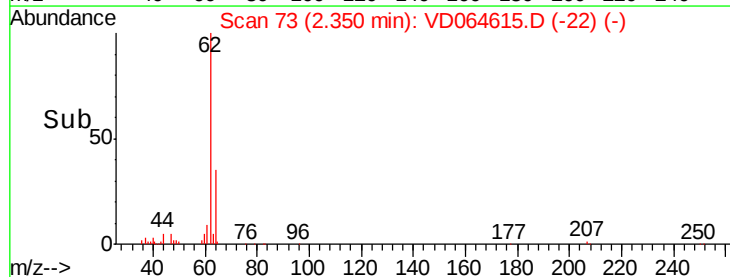
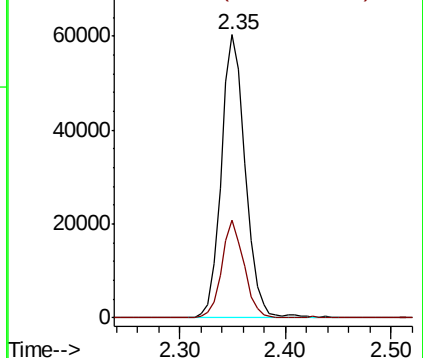
62 100

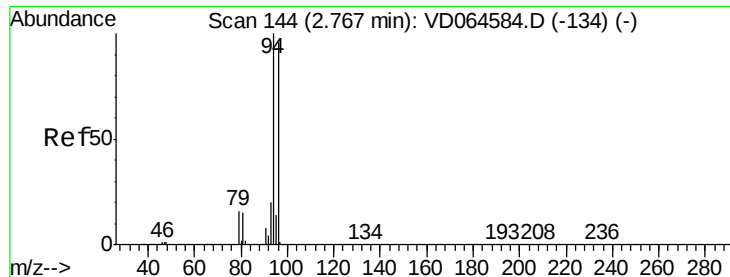
64 34.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.125 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

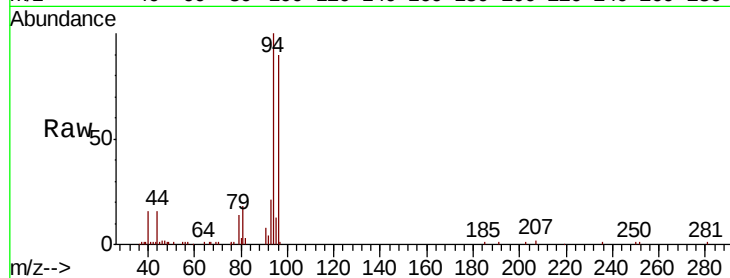
ClientSampleId :

Tot Ion: 94 Resp: 79509

Ion Ratio Lower Upper

94 100

96 89.4 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

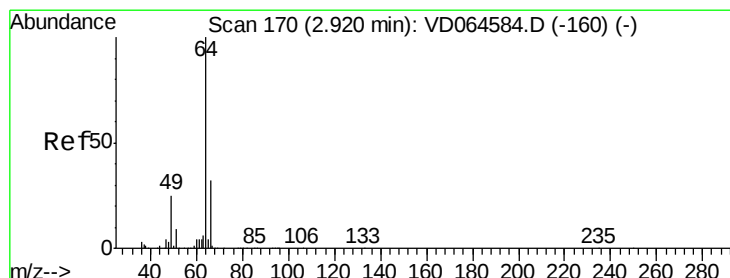
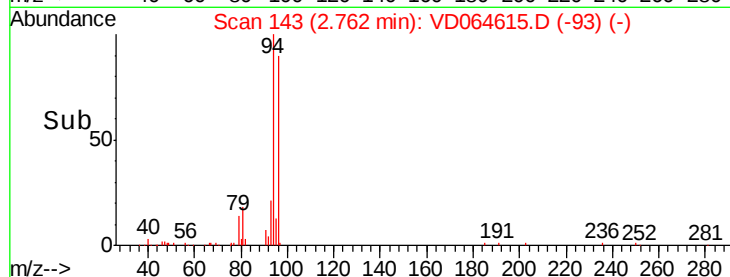
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 21.663 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064615.D

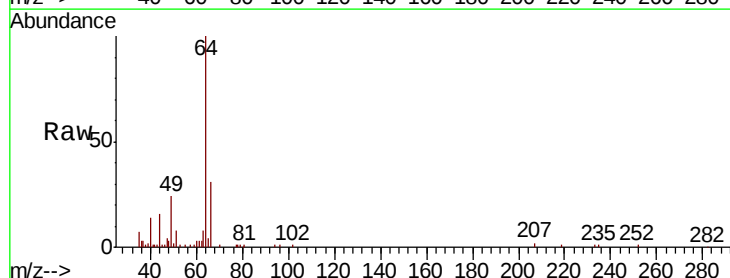
Acq: 27 Dec 2019 00:09

Tgt Ion: 64 Resp: 68638

Ion Ratio Lower Upper

64 100

66 31.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

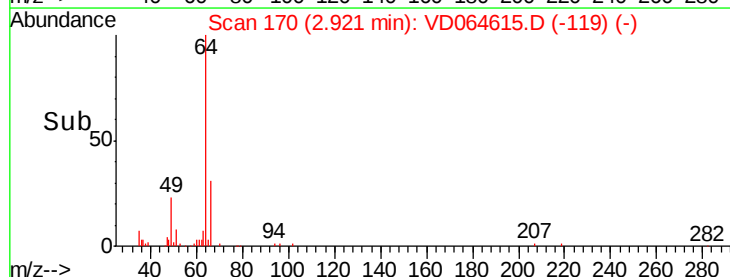
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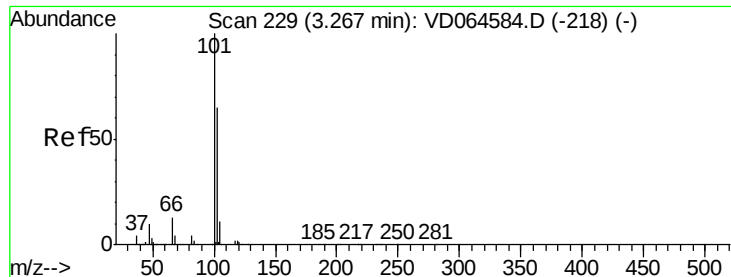
20000

10000

0

Time-->



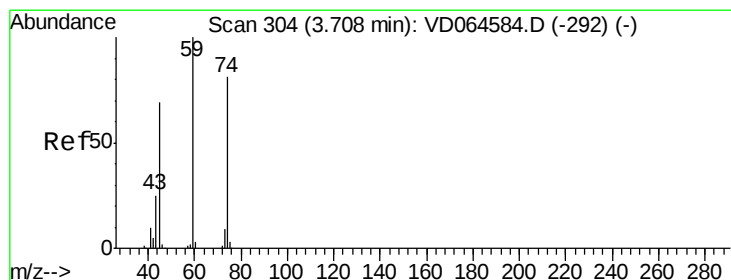
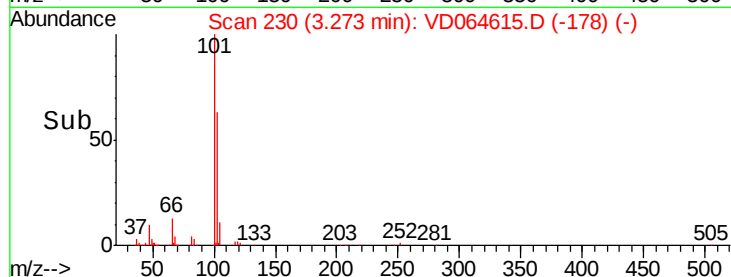
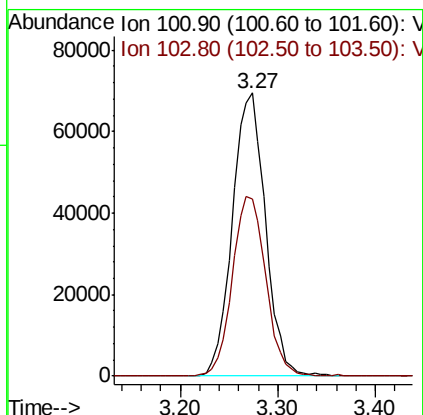
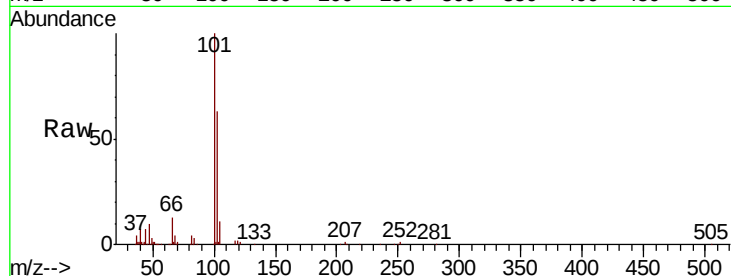


#7

Trichlorofluoromethane
 Concen: 20.583 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :

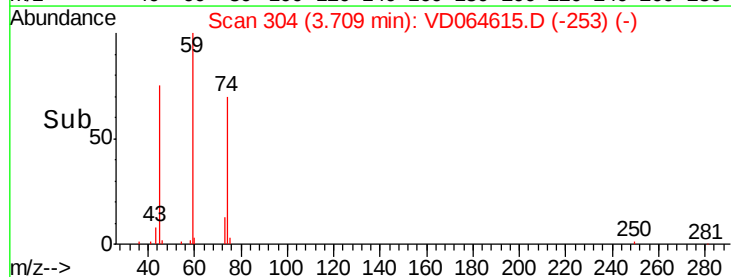
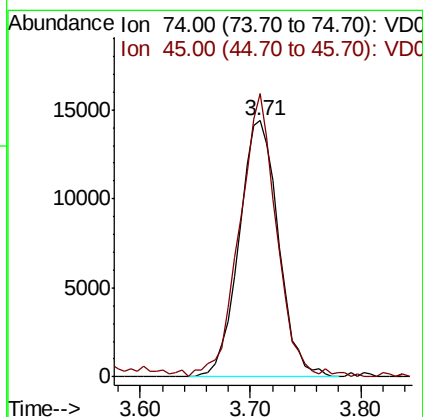
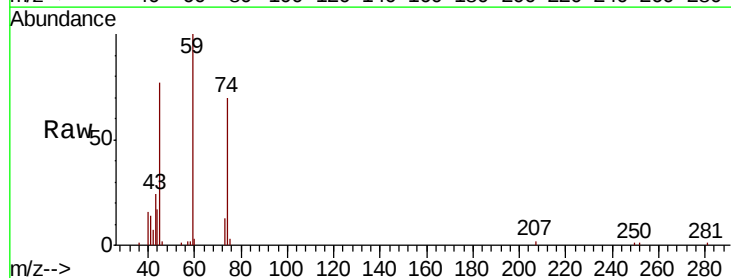
Tot Ion:101 Resp: 163885
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.2 78.4



#8

Diethyl Ether
 Concen: 22.816 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion: 74 Resp: 36074
 Ion Ratio Lower Upper
 74 100
 45 102.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.711 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

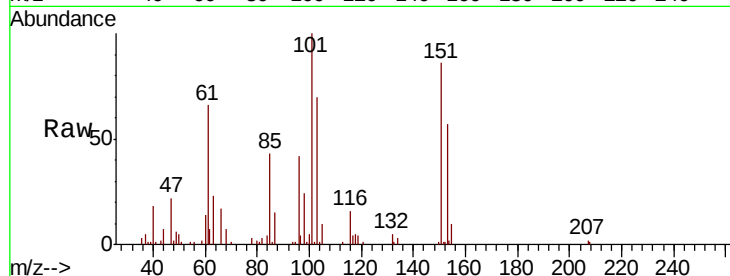
Tot Ion:101 Resp: 68293

Ion Ratio Lower Upper

101 100

85 43.3 35.2 52.8

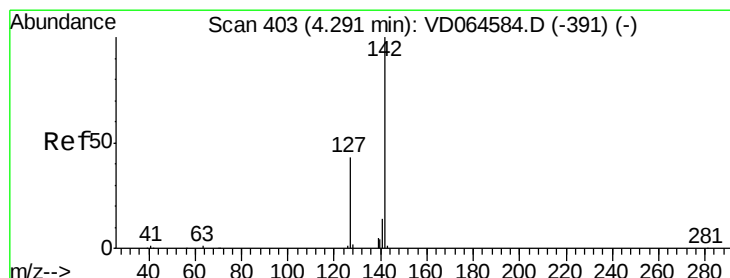
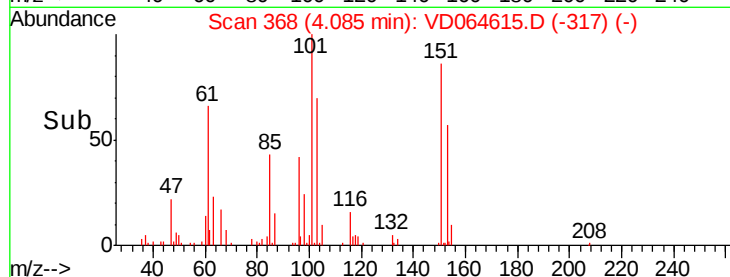
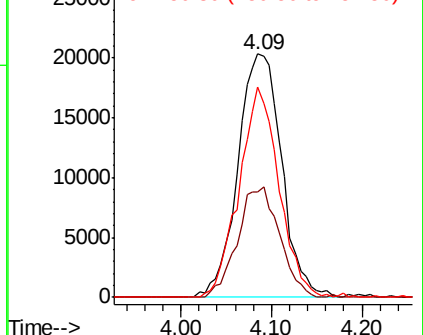
151 78.5 66.2 99.4



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: 20.416 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

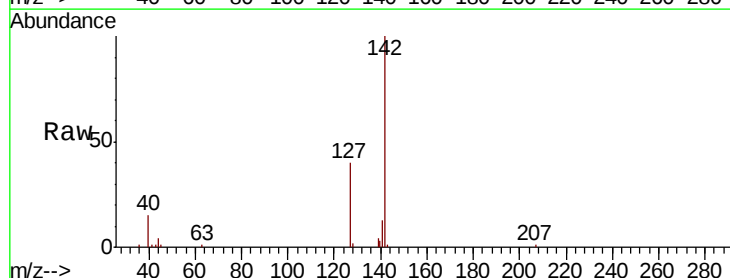
Tgt Ion:142 Resp: 72313

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.4

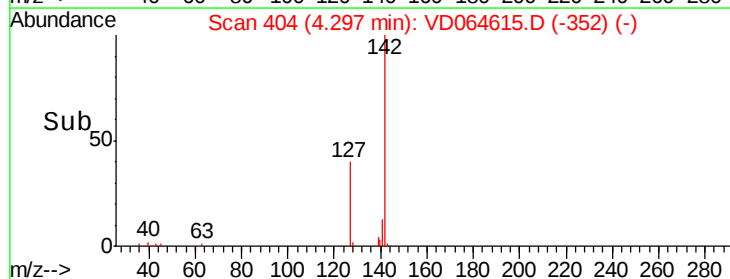
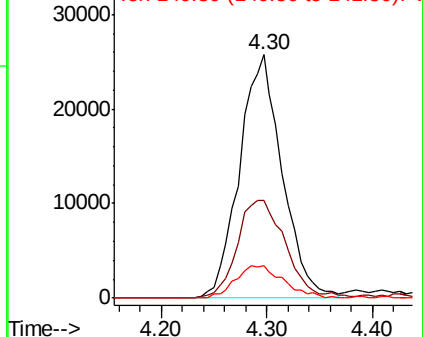
141 15.0 11.8 17.8

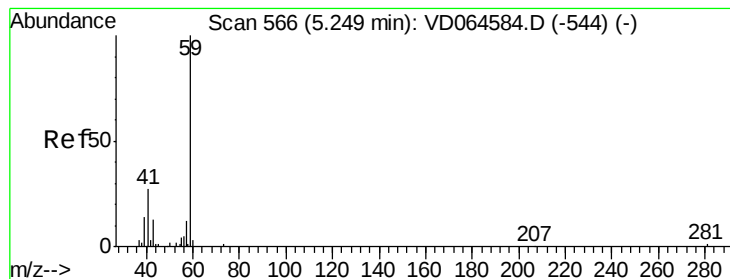


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



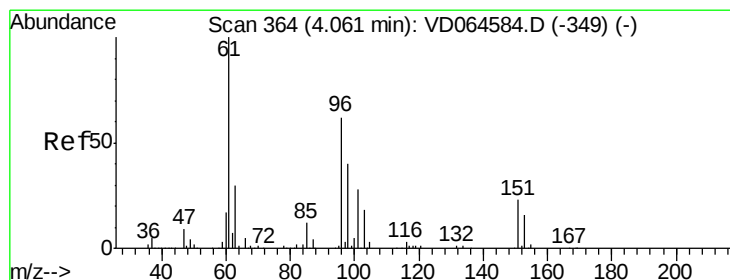
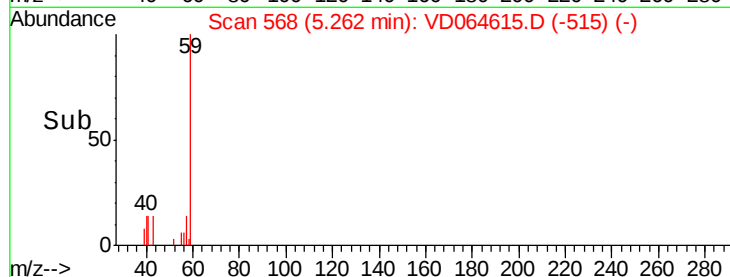
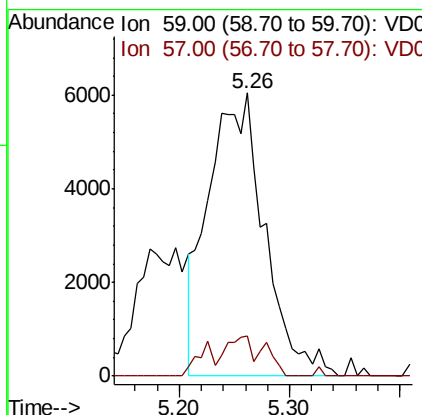
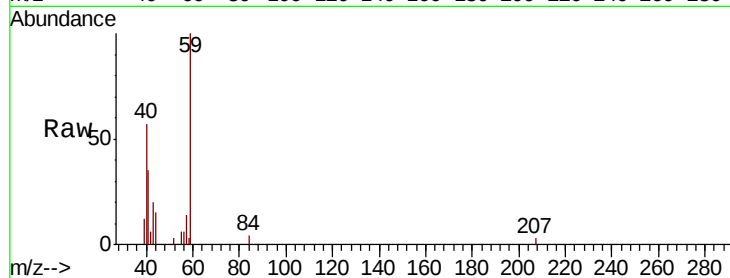


#11

Tert butyl alcohol
Concen: 117.954 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :

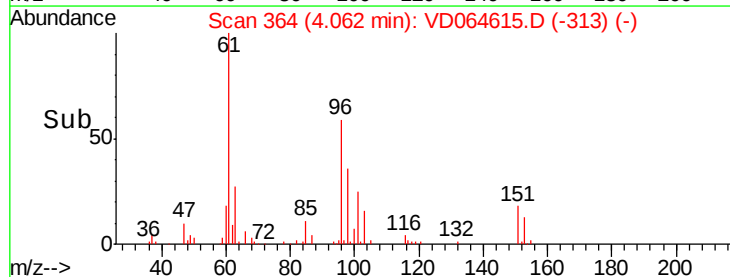
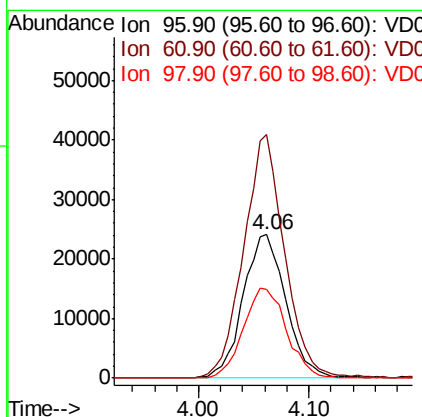
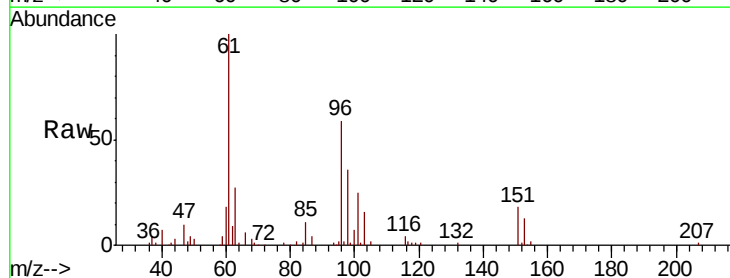
Tot Ion: 59 Resp: 21270
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

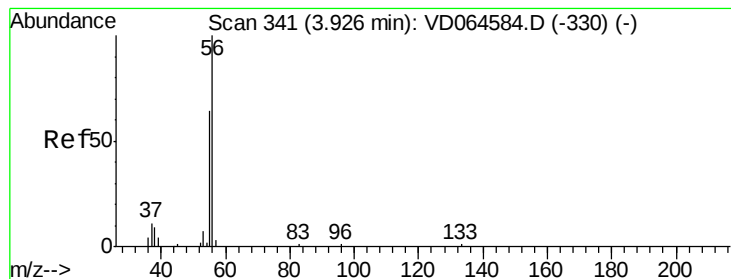


#12

1,1-Dichloroethene
Concen: 20.785 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 96 Resp: 65251
Ion Ratio Lower Upper
96 100
61 170.0 129.4 194.0
98 61.8 51.4 77.0





#13

Acrolein

Concen: 104.126 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

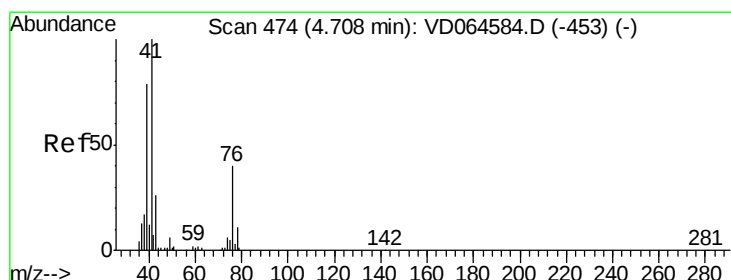
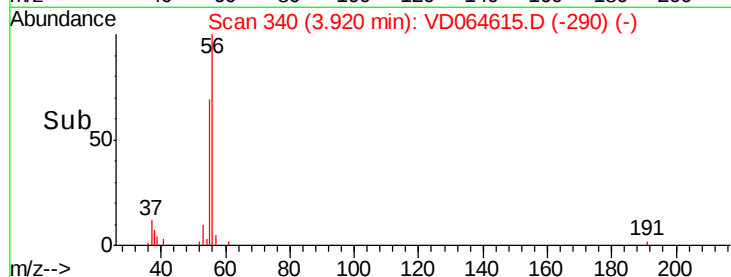
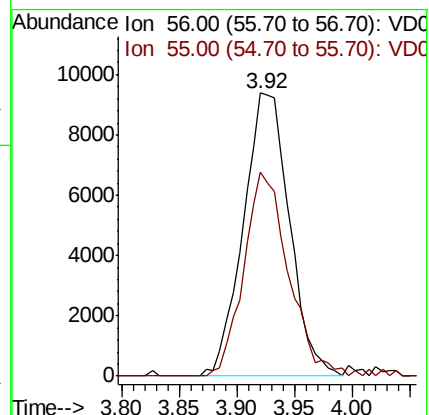
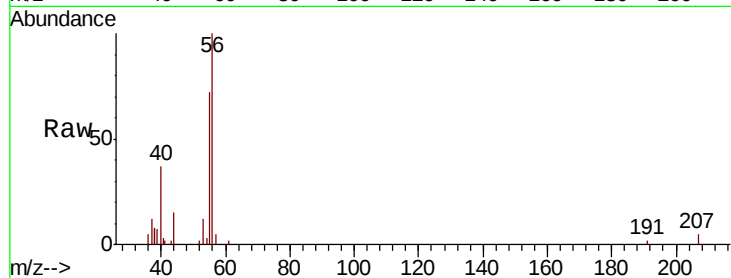
ClientSampled :

Tot Ion: 56 Resp: 26168

Ion Ratio Lower Upper

56 100

55 69.7 56.7 85.1



#14

Allyl chloride

Concen: 22.477 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

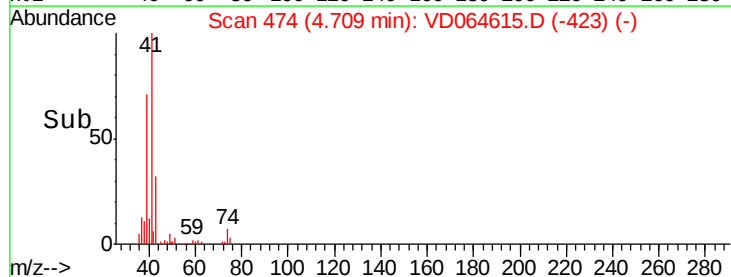
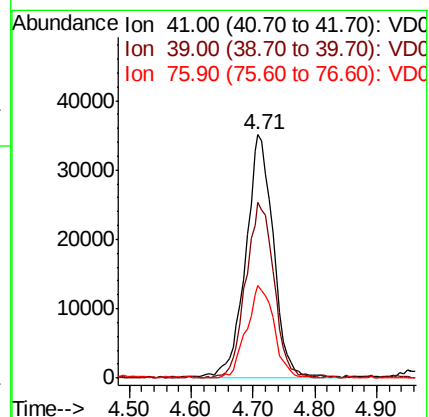
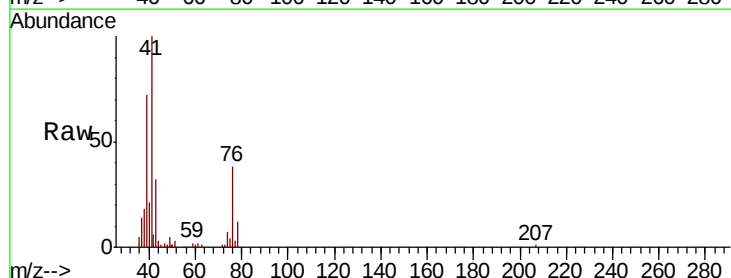
Tgt Ion: 41 Resp: 110015

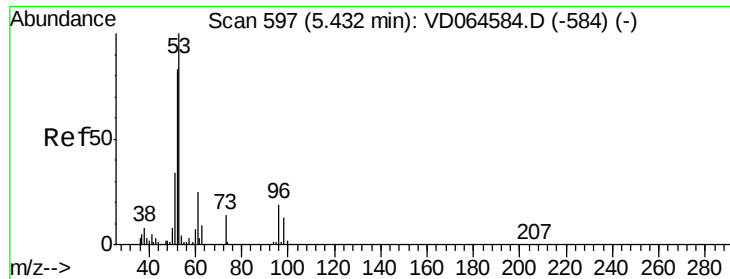
Ion Ratio Lower Upper

41 100

39 72.8 62.3 93.5

76 37.4 29.7 44.5





#15

Acrylonitrile

Concen: 118.262 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

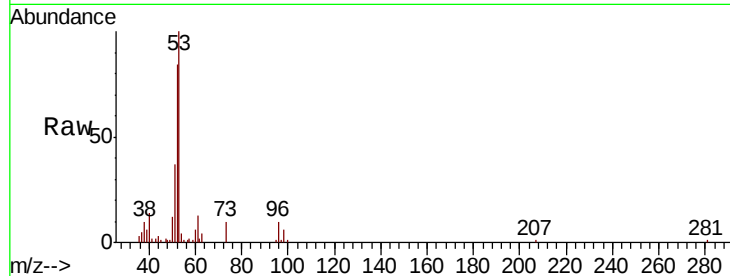
Tot Ion: 53 Resp: 77885

Ion Ratio Lower Upper

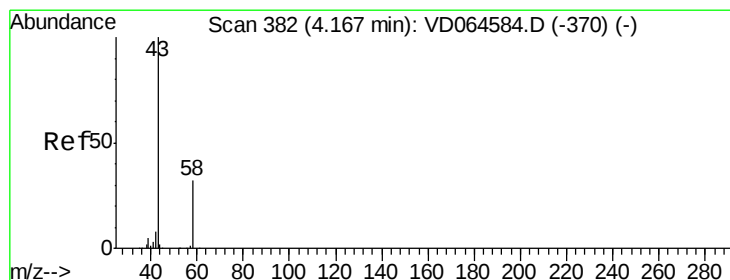
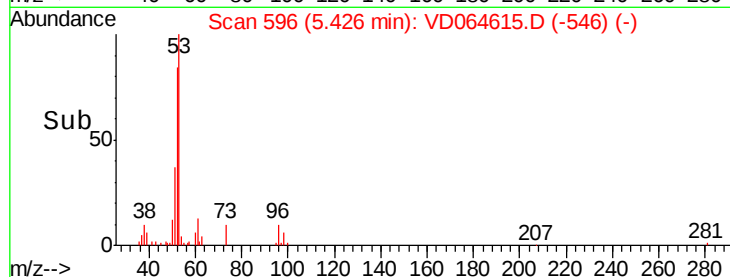
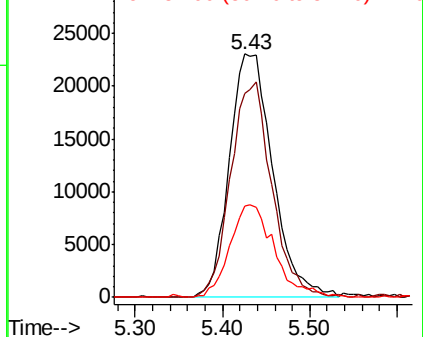
53 100

52 83.3 66.2 99.2

51 38.9 30.1 45.1



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



#16

Acetone

Concen: 94.603 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064615.D

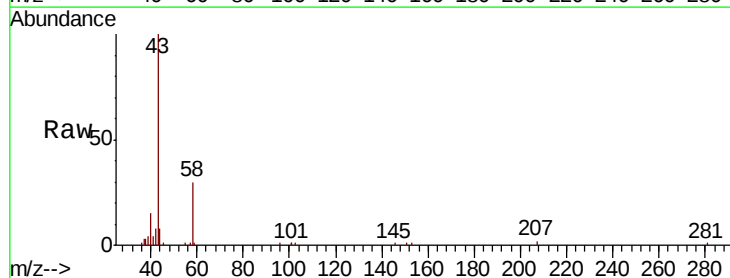
Acq: 27 Dec 2019 00:09

Tgt Ion: 43 Resp: 65569

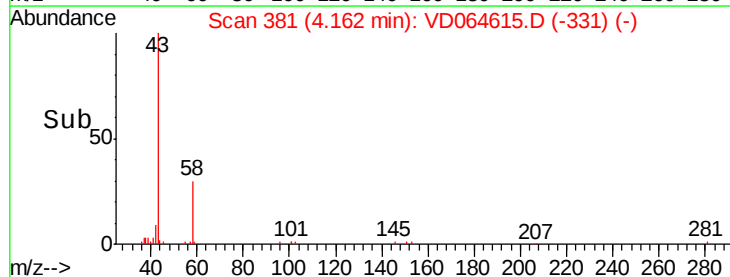
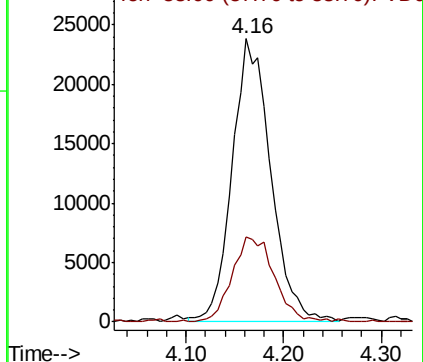
Ion Ratio Lower Upper

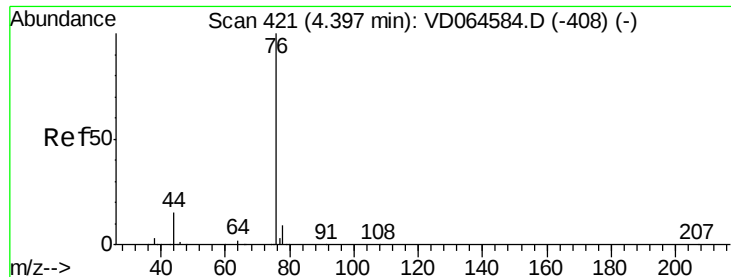
43 100

58 30.2 25.8 38.6



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

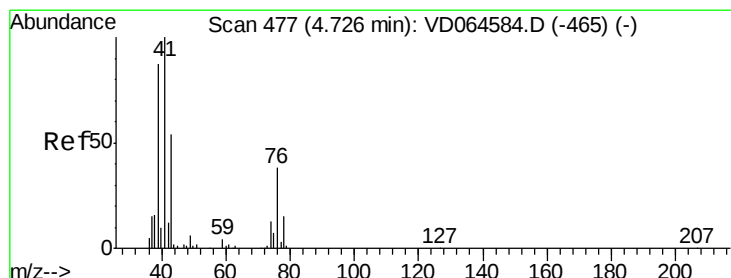
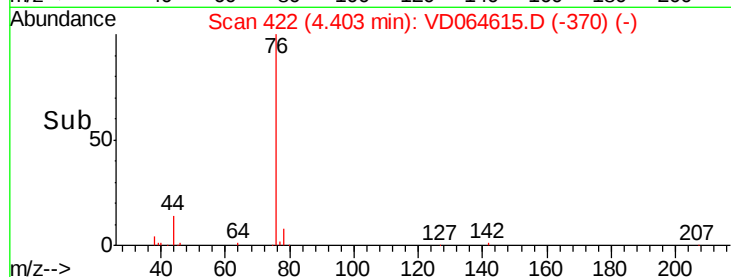
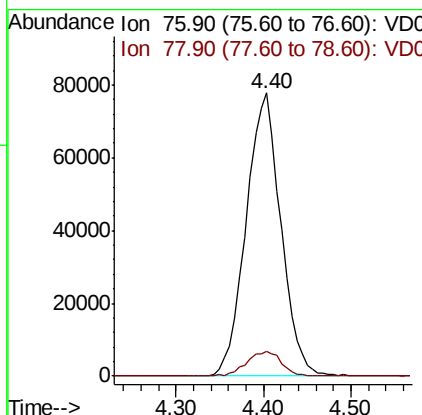
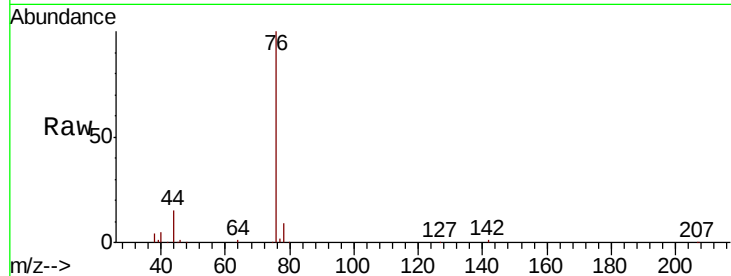




#17
Carbon Disulfide
Concen: 20.685 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

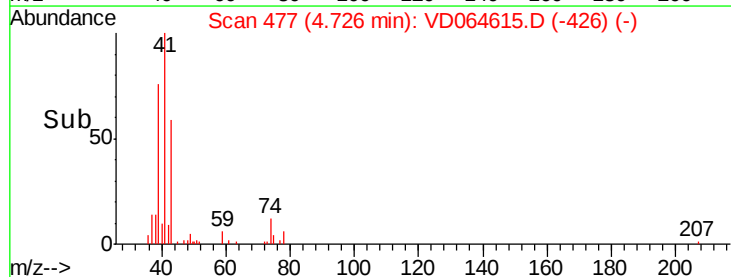
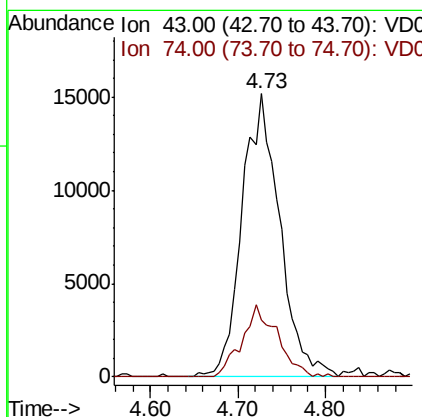
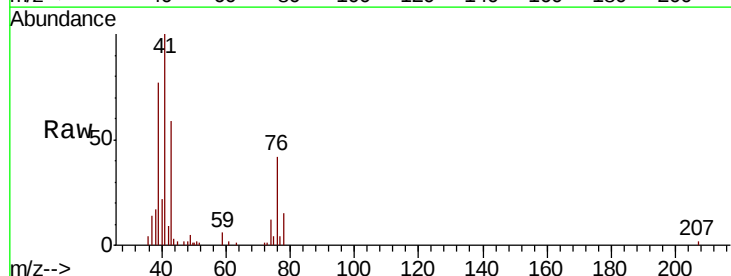
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 209969
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 25.126 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 43 Resp: 44509
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8



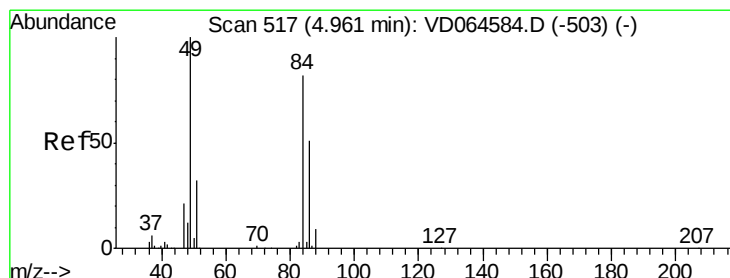
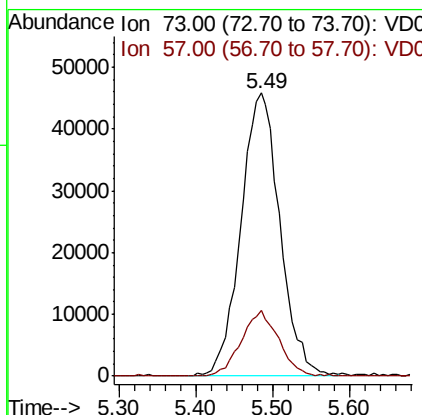
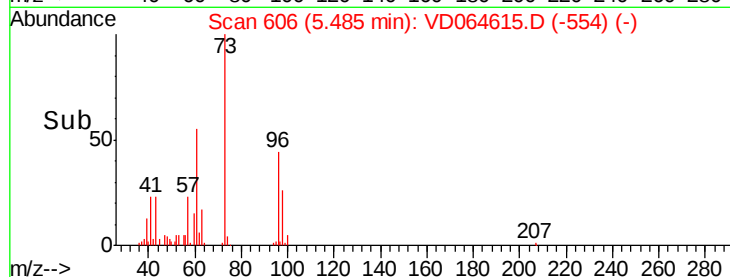
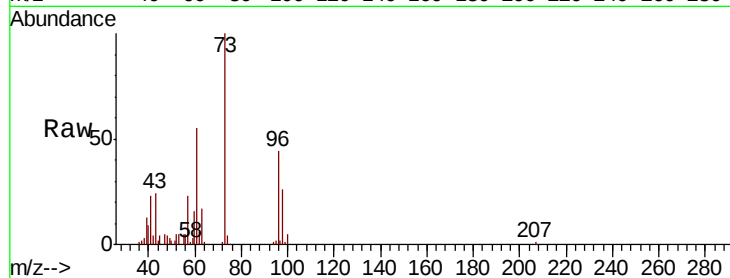


#19

Methyl tert-butyl Ether
 Concen: 23.236 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampled :

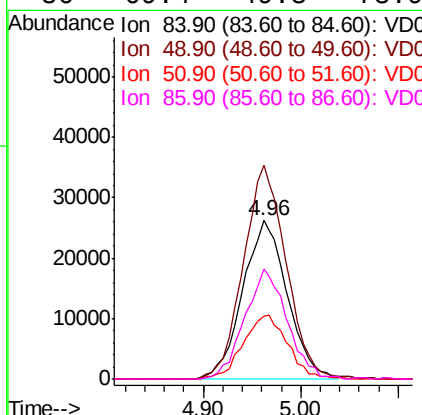
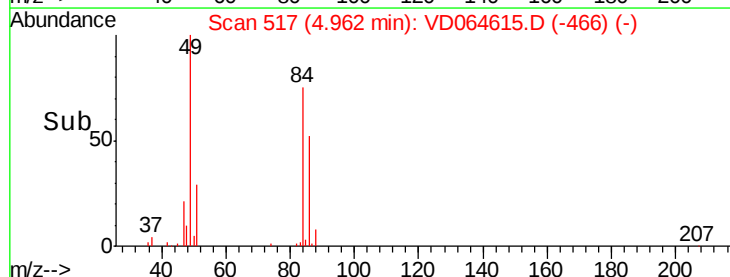
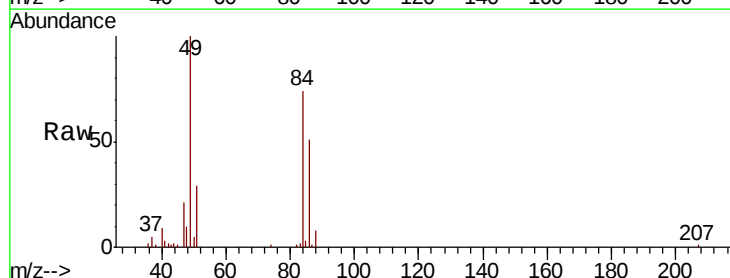
Tot Ion: 73 Resp: 162021
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.6 27.8

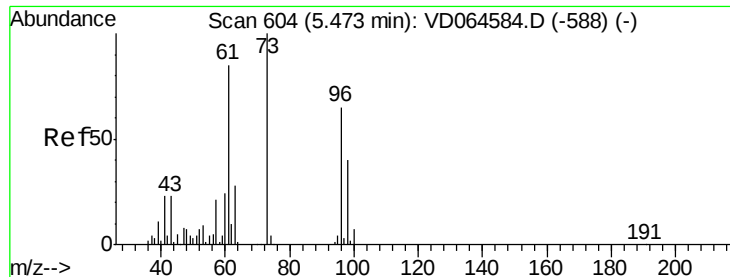


#20

Methylene Chloride
 Concen: 23.375 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion: 84 Resp: 83595
 Ion Ratio Lower Upper
 84 100
 49 134.8 97.2 145.8
 51 39.5 31.4 47.0
 86 69.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.794 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

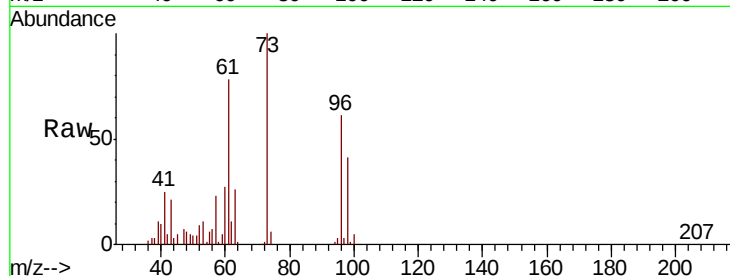
Tot Ion: 96 Resp: 77919

Ion Ratio Lower Upper

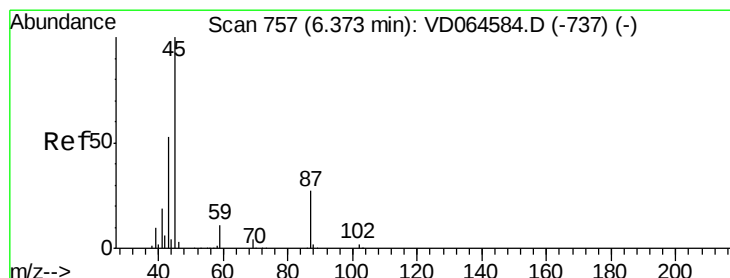
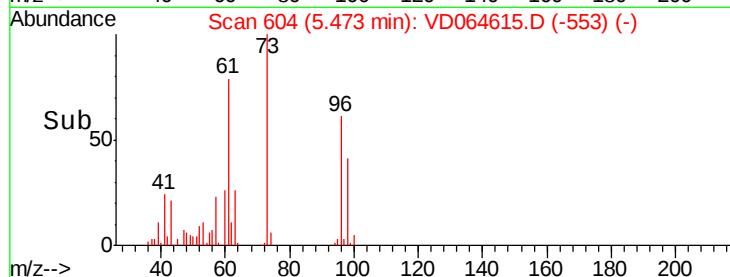
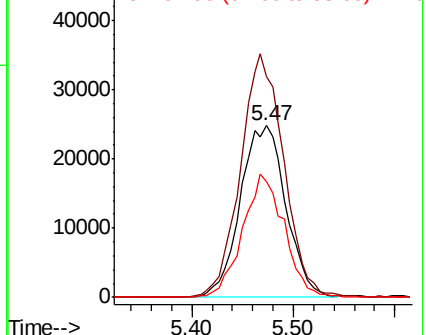
96 100

61 128.3 104.7 157.1

98 67.4 49.4 74.2



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



#22

Diisopropyl ether

Concen: 23.480 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion: 45 Resp: 229226

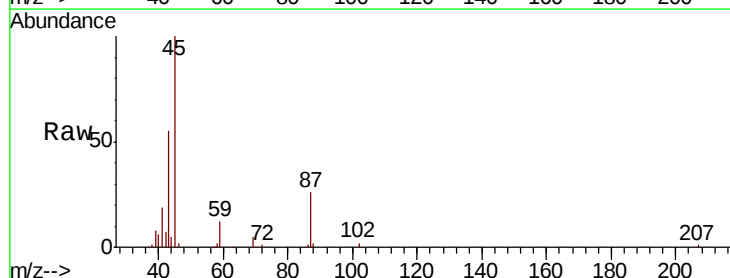
Ion Ratio Lower Upper

45 100

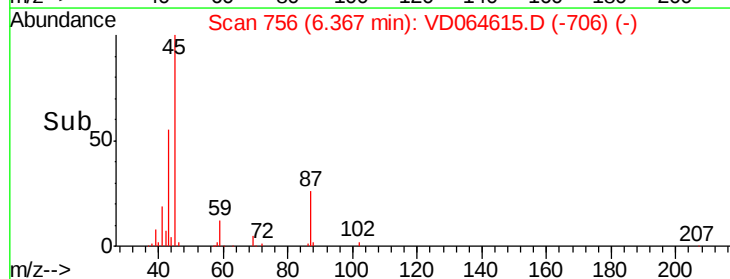
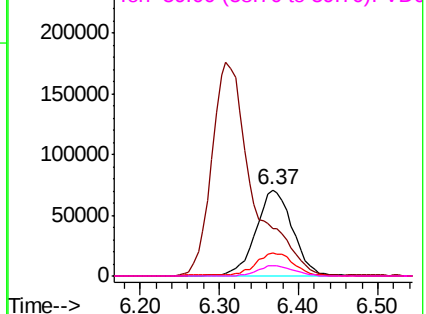
43 53.6 43.2 64.8

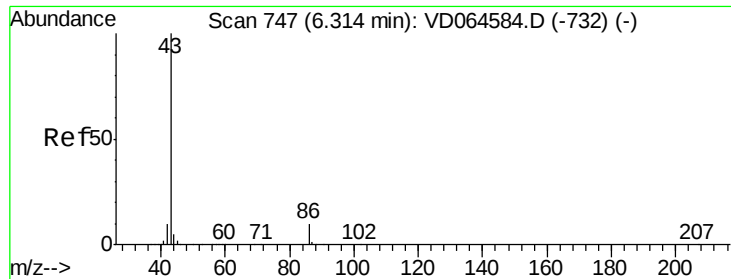
87 26.3 21.9 32.9

59 11.3 9.0 13.4



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





#23

Vinyl Acetate

Concen: 113.025 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

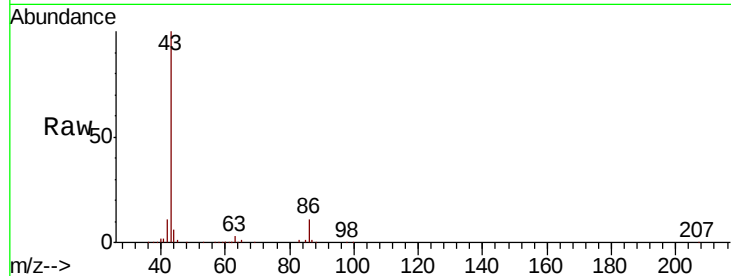
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 625929

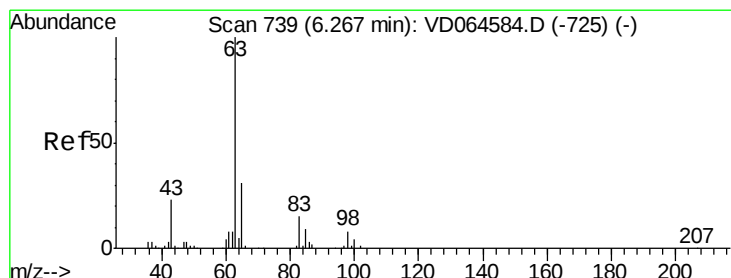
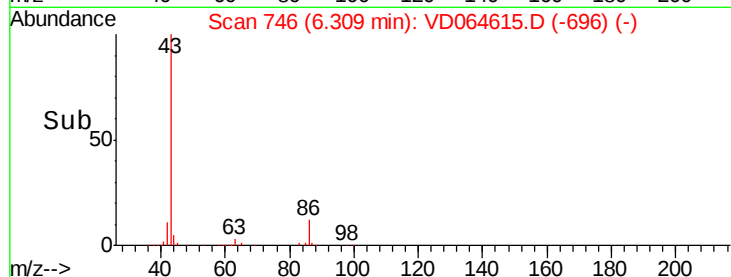
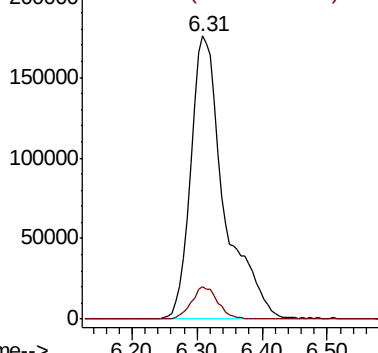
Ion Ratio Lower Upper

43 100

86 11.5 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.328 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

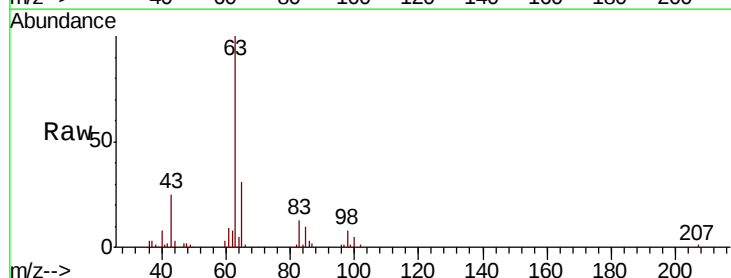
Tgt Ion: 63 Resp: 136722

Ion Ratio Lower Upper

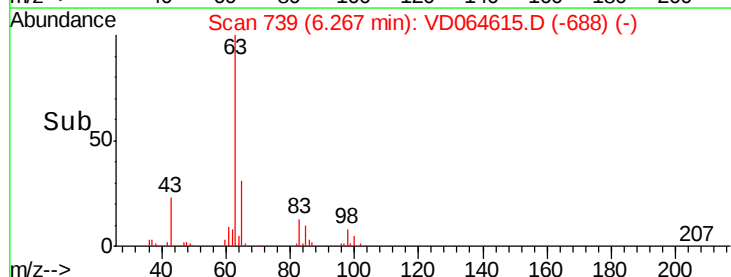
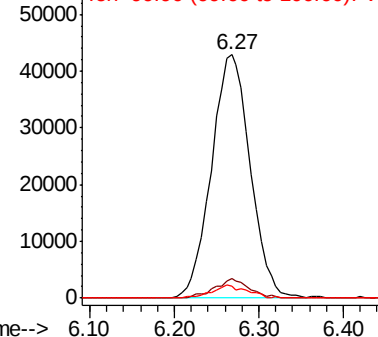
63 100

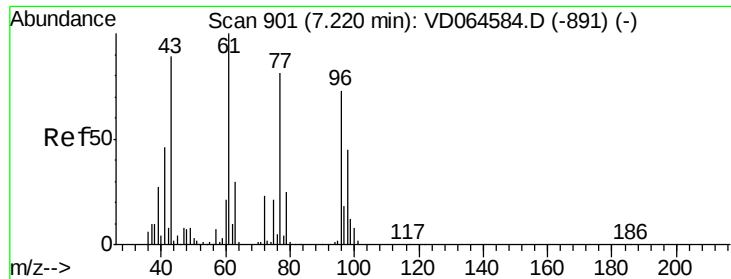
98 7.8 4.1 12.3

100 5.1 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





#25

2-Butanone

Concen: 115.088 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

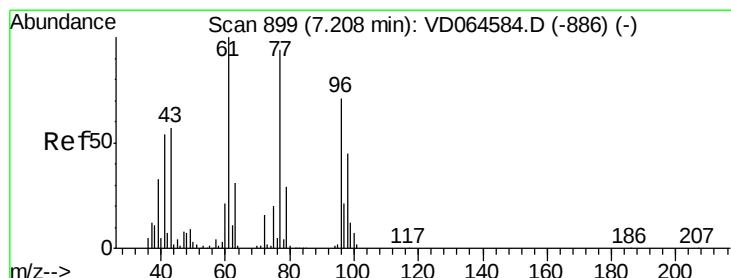
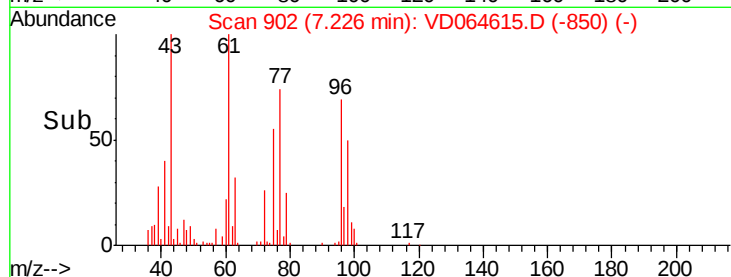
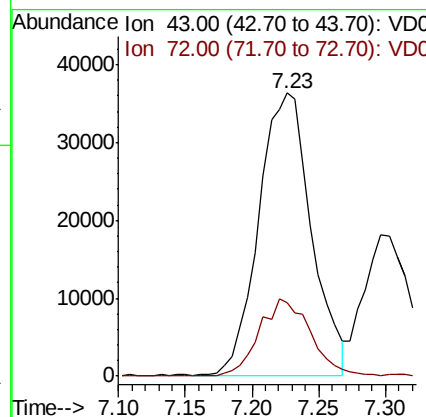
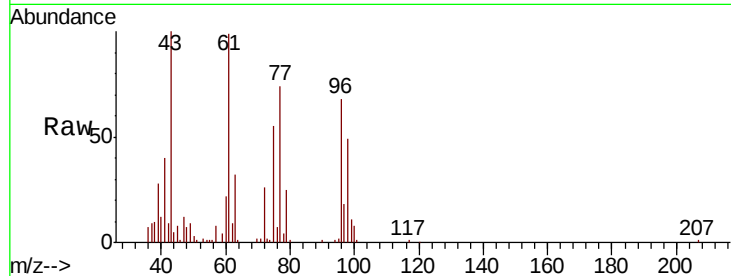
ClientSampleId :

Tot Ion: 43 Resp: 99538

Ion Ratio Lower Upper

43 100

72 25.8 20.7 31.1



#26

2,2-Dichloropropane

Concen: 19.556 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064615.D

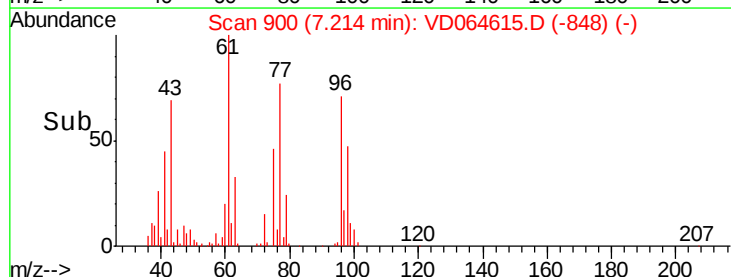
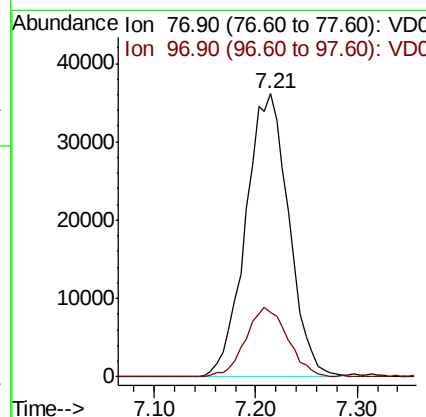
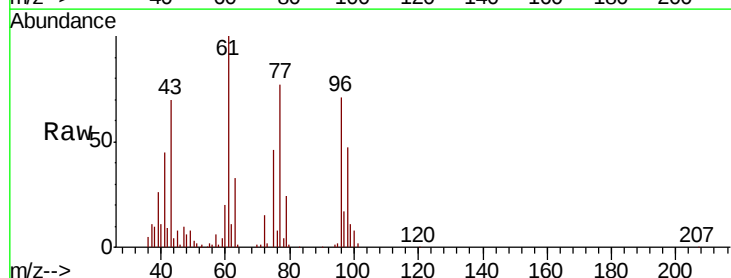
Acq: 27 Dec 2019 00:09

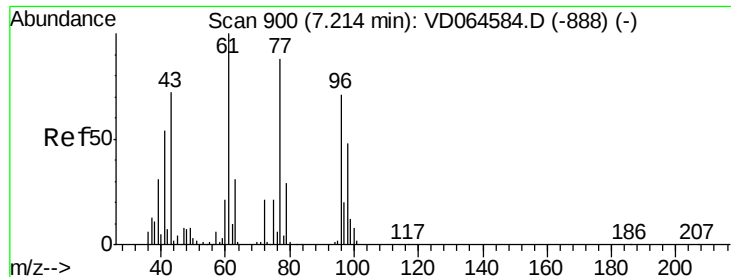
Tgt Ion: 77 Resp: 106565

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.6

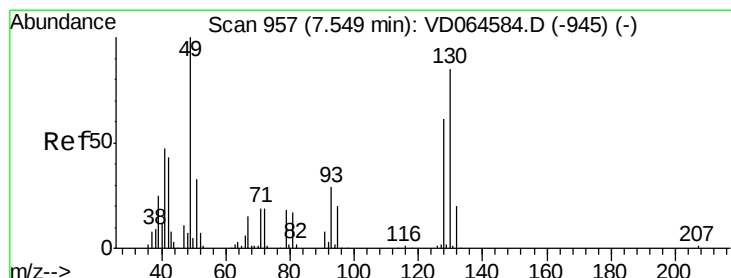
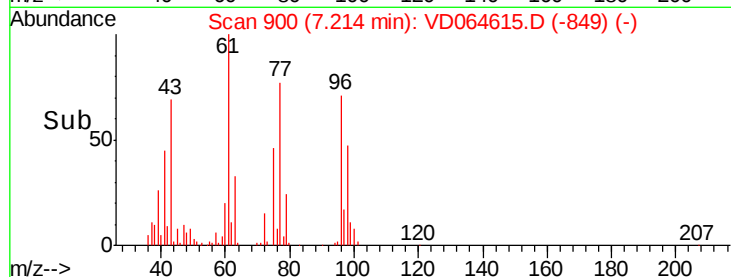
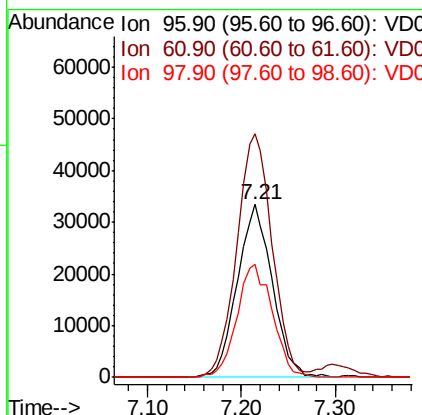
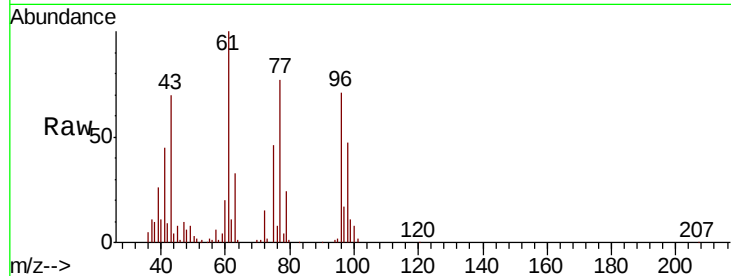




#27
 cis-1,2-Dichloroethene
 Concen: 22.361 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

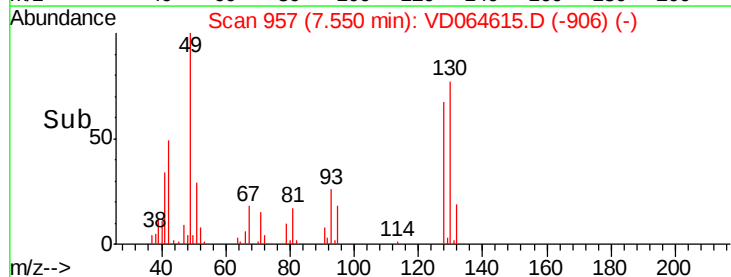
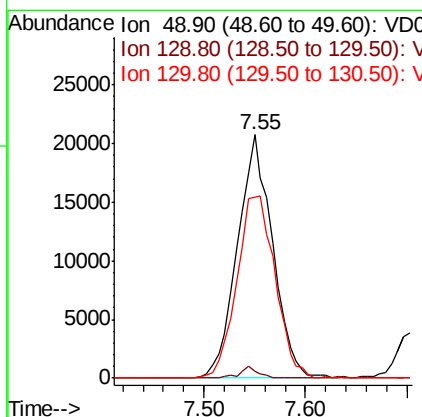
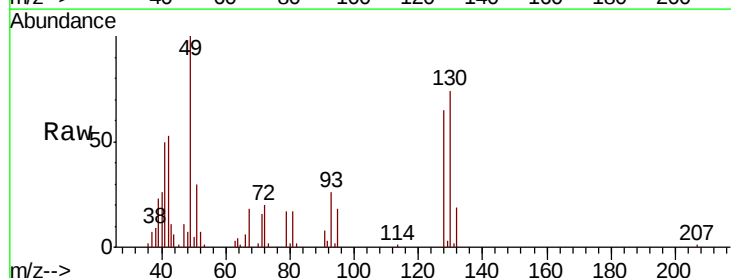
Instrument :
 MSVOA_D
 ClientSampleID :

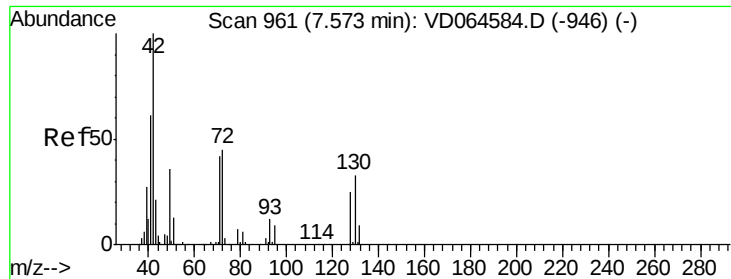
Tot Ion: 96 Resp: 86279
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 282.6
 98 66.0 0.0 130.8



#28
 Bromochloromethane
 Concen: 21.810 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion: 49 Resp: 49689
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 81.6 65.0 97.6

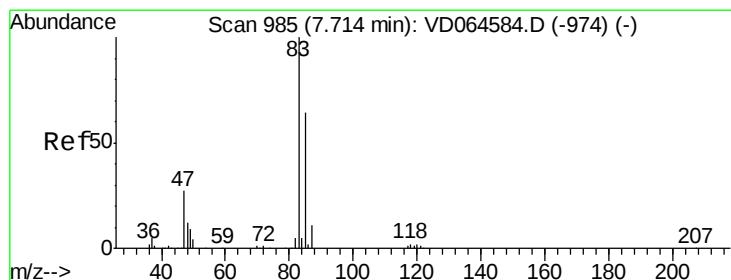
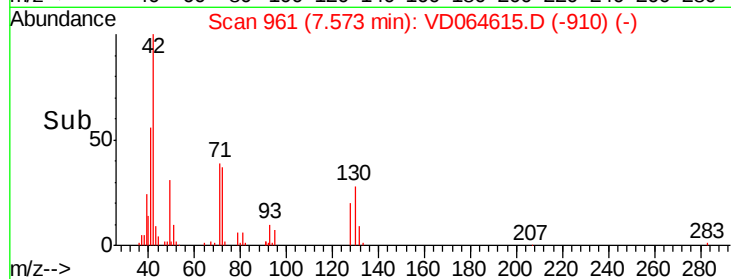
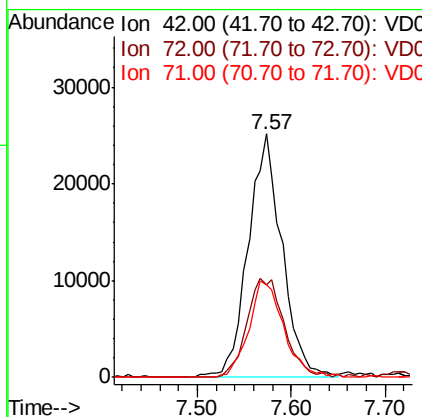
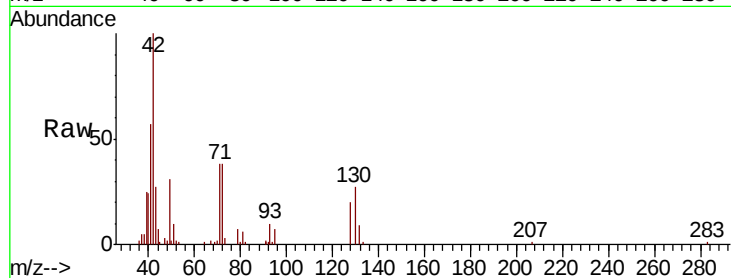




#29
Tetrahydrofuran
Concen: 116.329 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

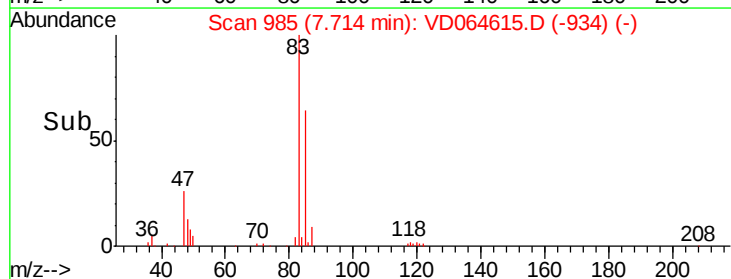
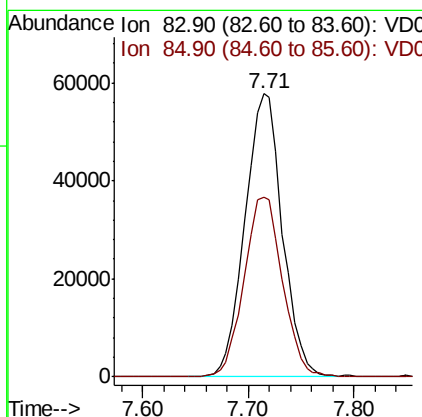
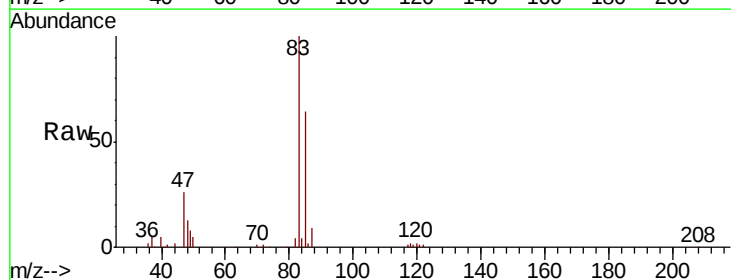
Instrument :
MSVOA_D
ClientSampleId :

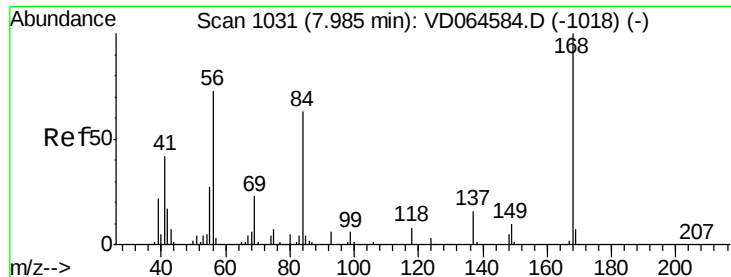
Tot Ion: 42 Resp: 62568
Ion Ratio Lower Upper
42 100
72 44.8 35.0 52.4
71 41.2 32.9 49.3



#30
Chloroform
Concen: 23.080 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 83 Resp: 141922
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7





#31

Cyclohexane

Concen: 19.789 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampled :

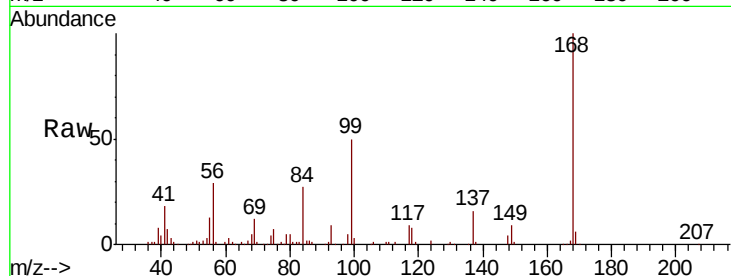
Tot Ion: 56 Resp: 116098

Ion Ratio Lower Upper

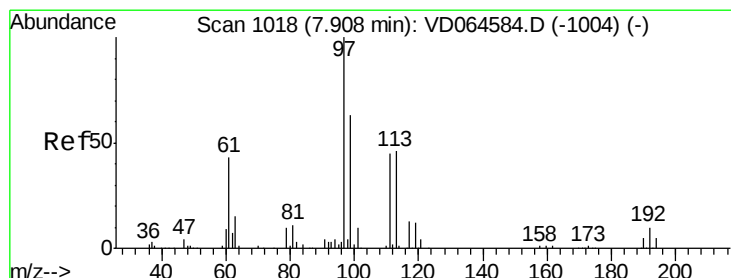
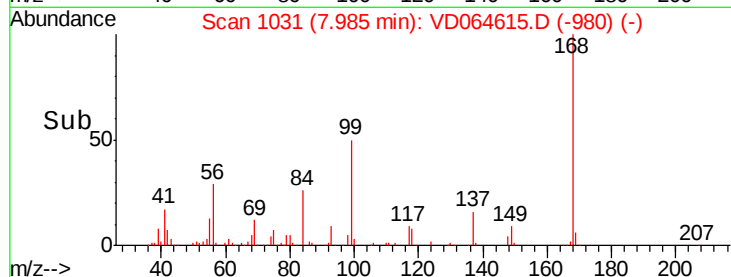
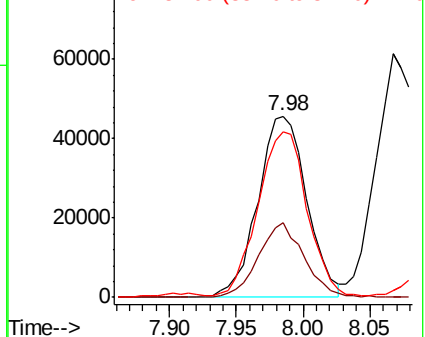
56 100

69 41.3 24.7 37.1#

84 89.2 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: 21.323 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

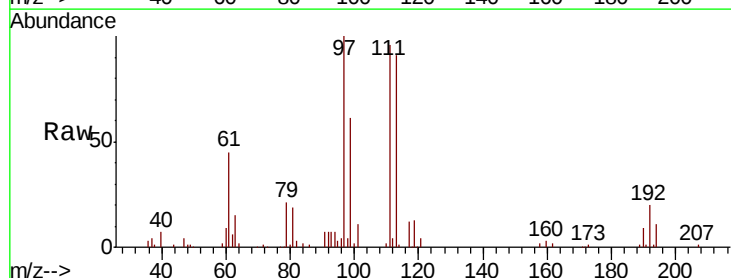
Tgt Ion: 97 Resp: 123153

Ion Ratio Lower Upper

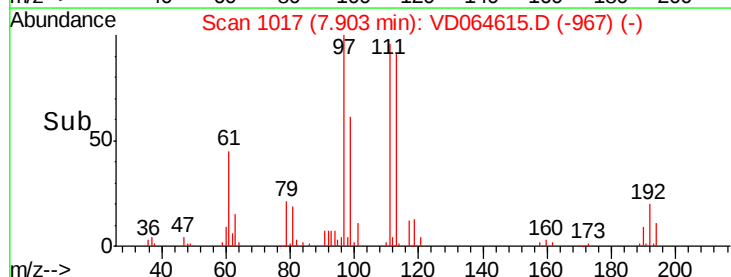
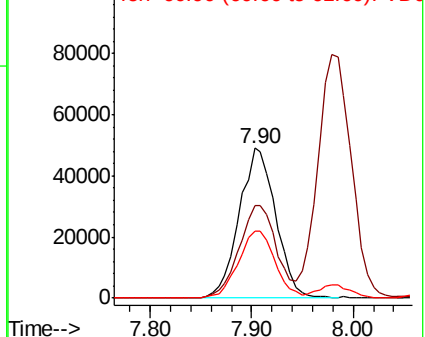
97 100

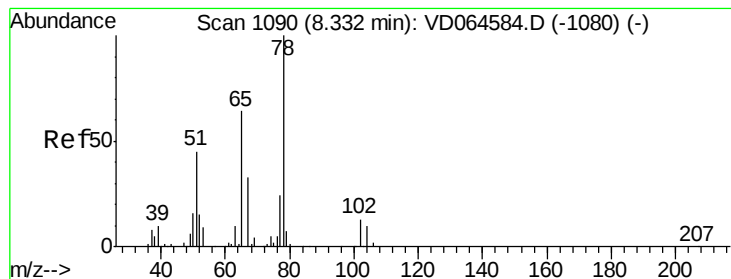
99 63.5 51.0 76.6

61 44.9 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: 59.420 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

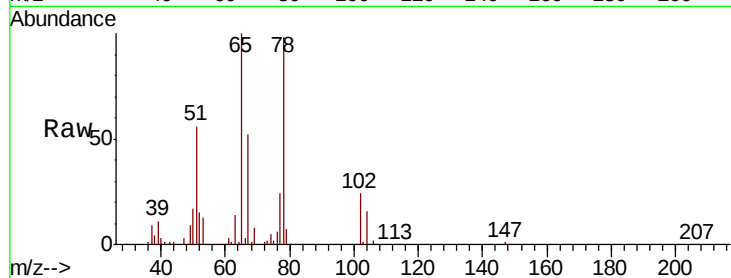
ClientSampleId :

Tot Ion: 65 Resp: 186962

Ion Ratio Lower Upper

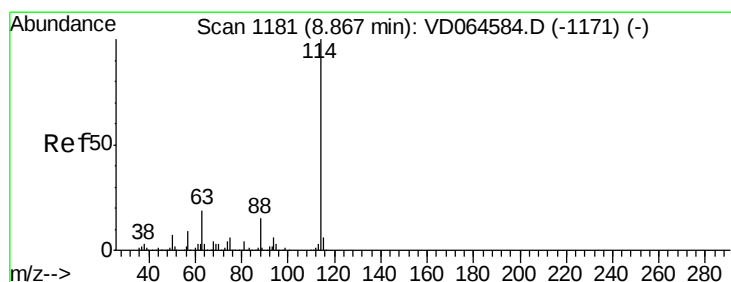
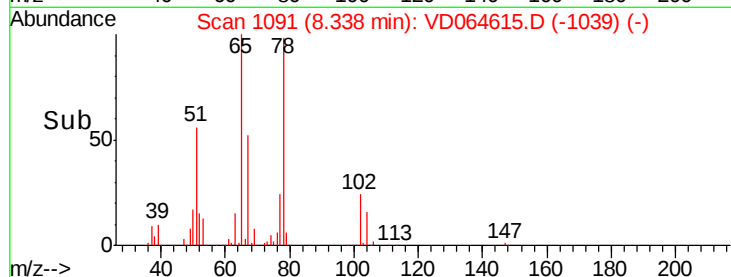
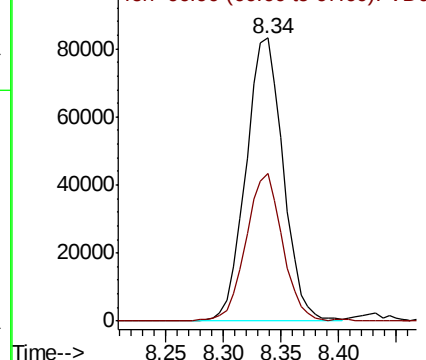
65 100

67 51.4 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: VD064615.D

Acq: 27 Dec 2019 00:09

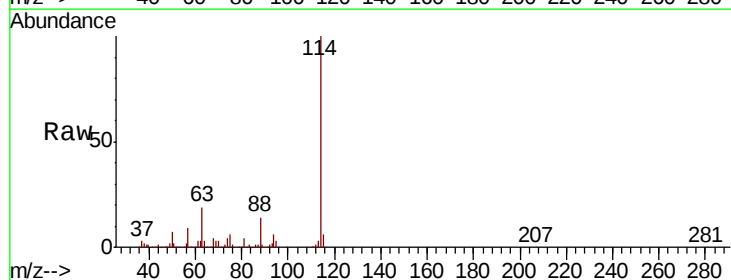
Tgt Ion: 114 Resp: 556407

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

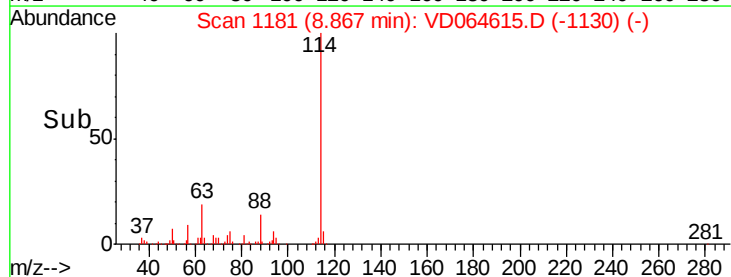
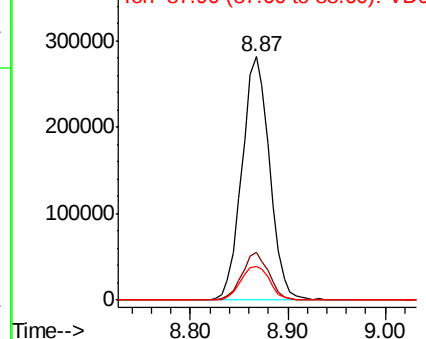
88 13.7 0.0 29.2

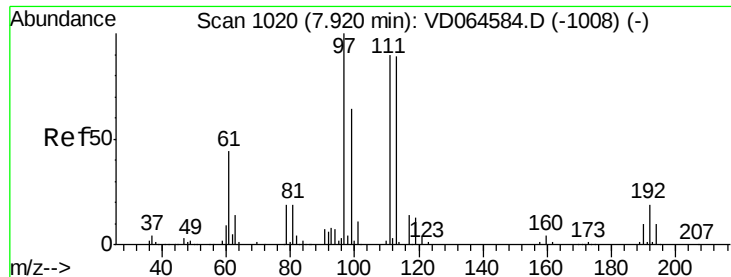


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

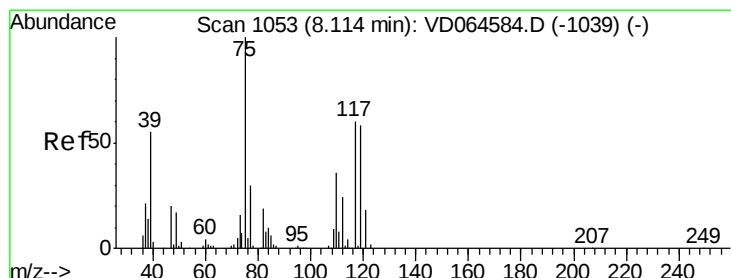
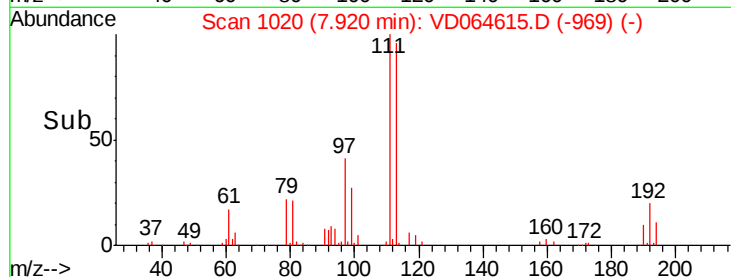
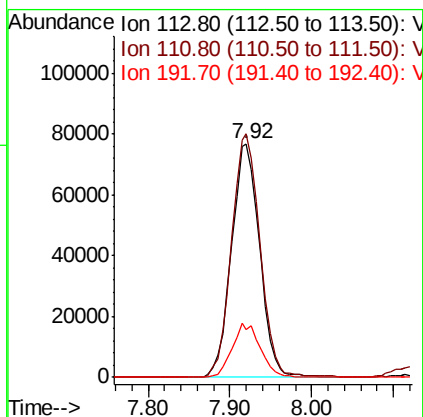
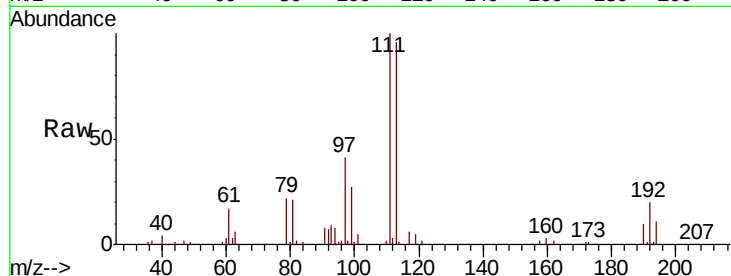




#35
Dibromofluoromethane
Concen: 54.142 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

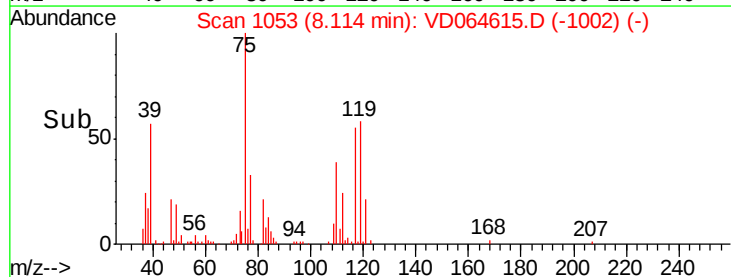
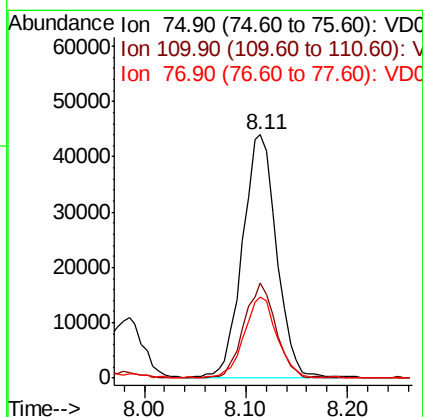
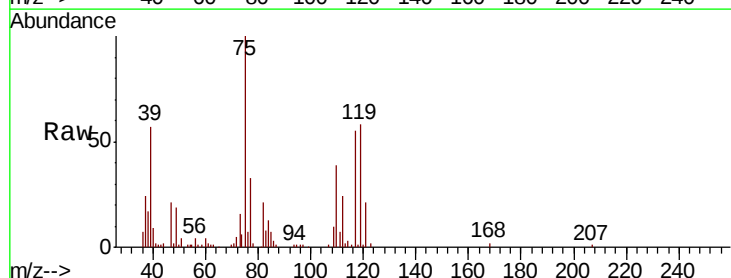
Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	80.6	121.0
192	23.1	17.9	26.9



#36
1,1-Dichloropropene
Concen: 19.224 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.1
77	32.1	24.2	36.4

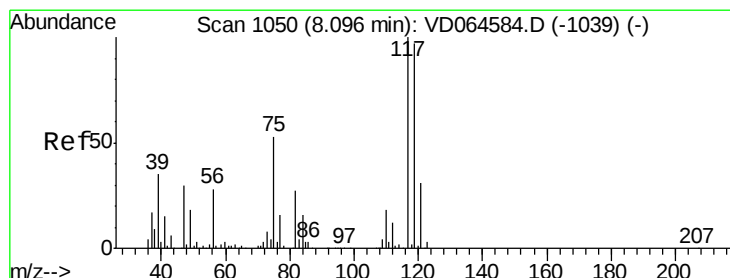
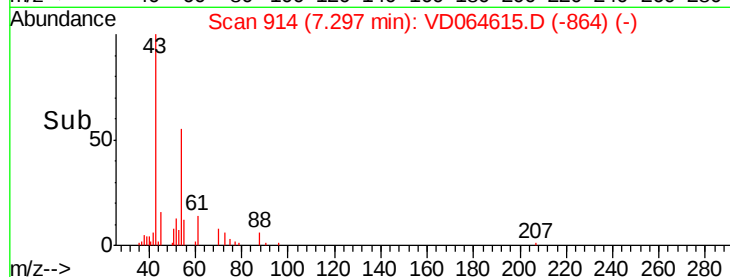
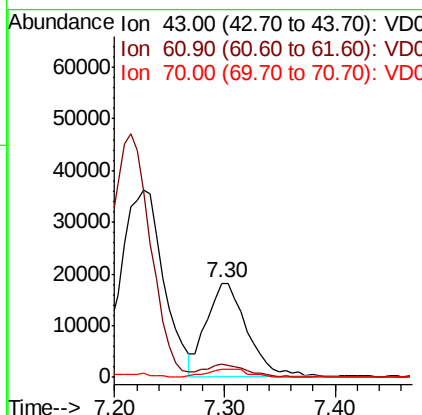
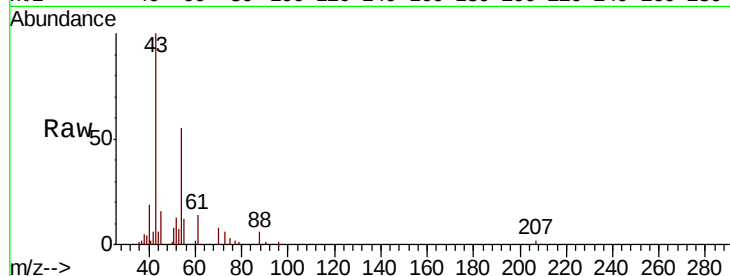




#37
Ethyl Acetate
Concen: 21.970 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

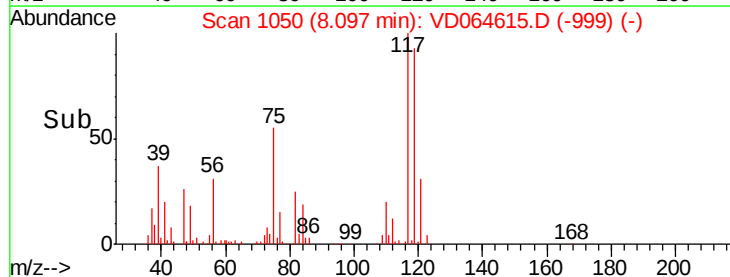
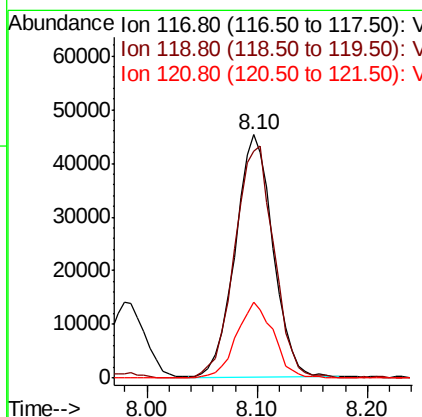
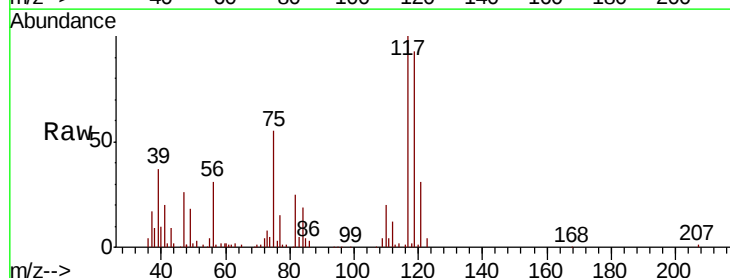
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 46222
Ion Ratio Lower Upper
43 100
61 15.1 10.3 15.5
70 9.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.019 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 117 Resp: 108608
Ion Ratio Lower Upper
117 100
119 93.8 77.3 115.9
121 31.2 25.0 37.6

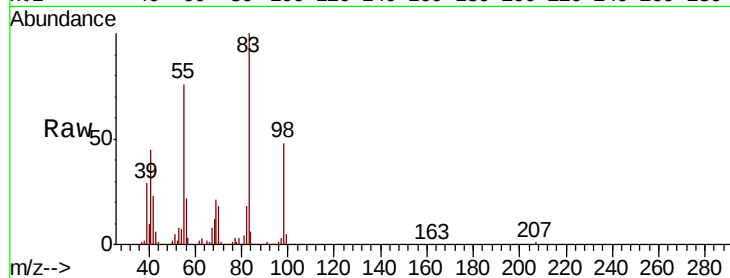




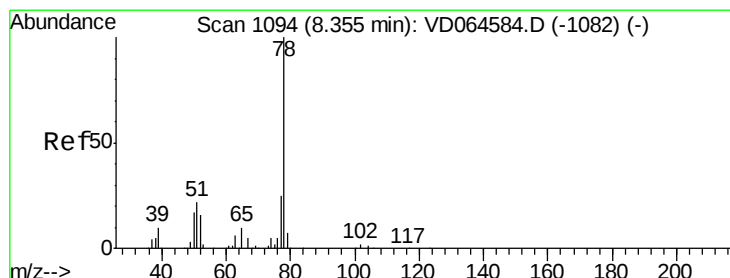
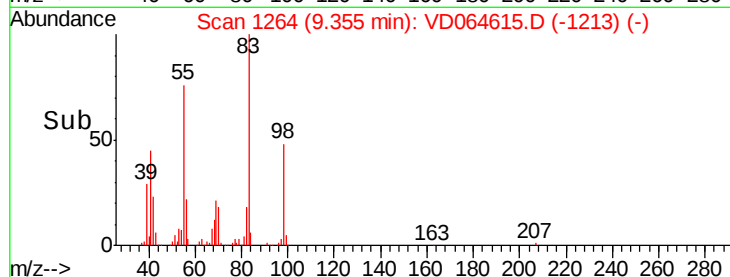
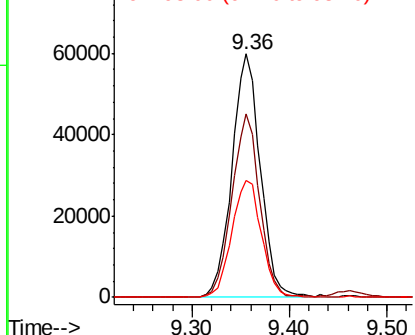
#39
Methvlcvclohexane
Concen: 18.658 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 121021
Ion Ratio Lower Upper
83 100
55 75.6 57.8 86.6
98 48.1 38.7 58.1

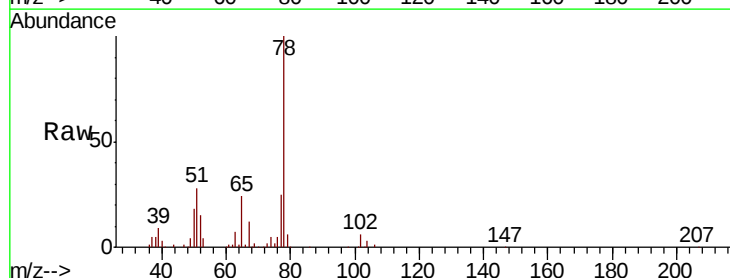


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

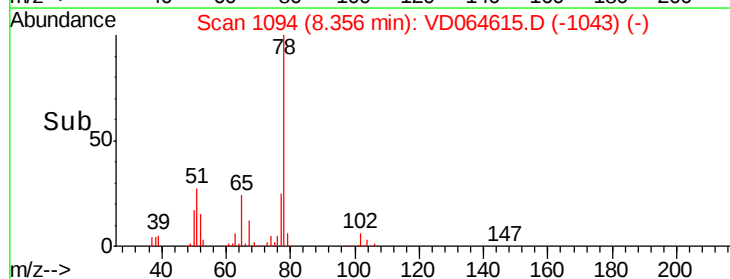
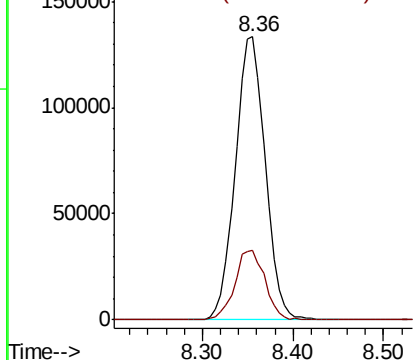


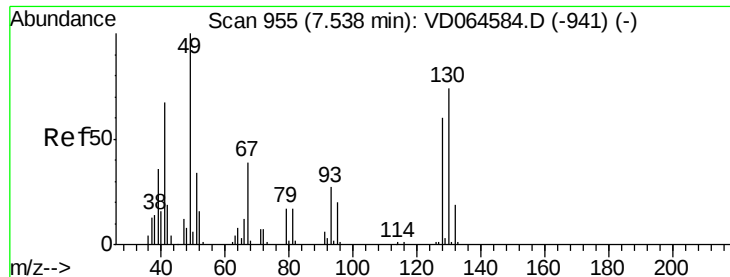
#40
Benzene
Concen: 21.006 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 78 Resp: 307106
Ion Ratio Lower Upper
78 100
77 24.8 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

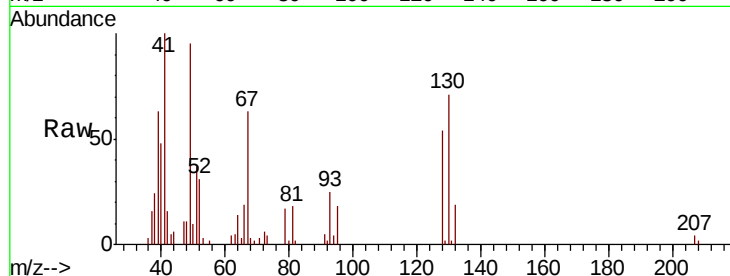




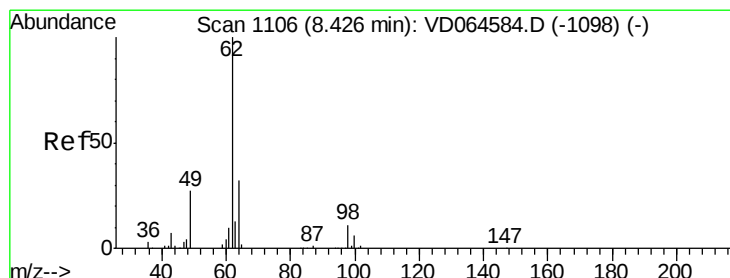
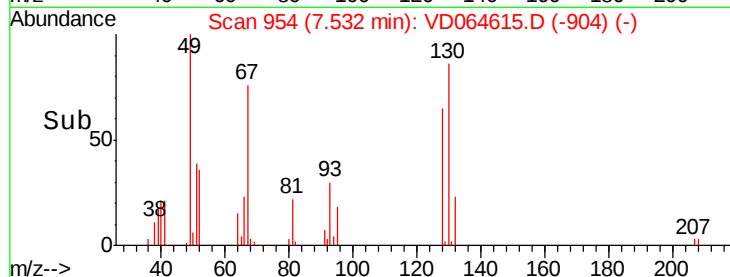
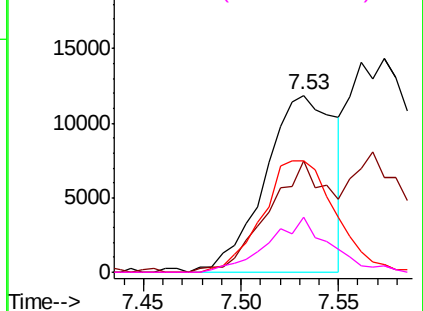
#41
Methacrylonitrile
Concen: 24.282 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	29640
Ion	Ratio	Lower	Upper
41	100		
39	55.4	46.7	70.1
67	65.5	52.5	78.7
52	27.5	24.1	36.1

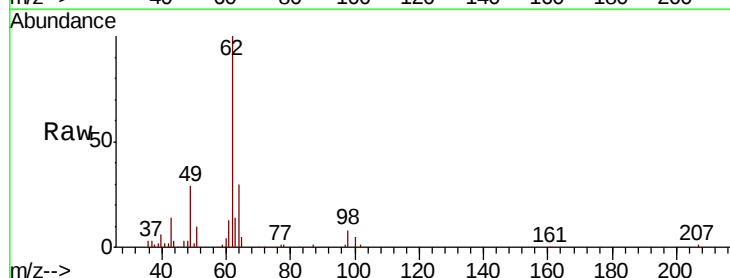


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

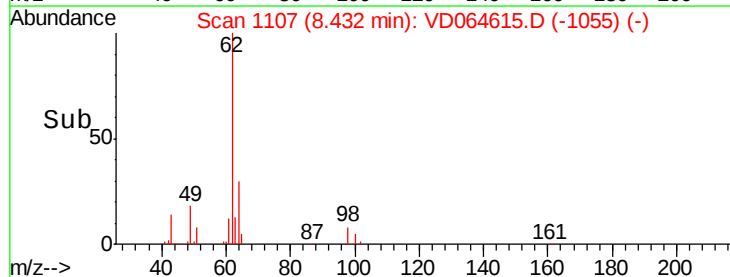
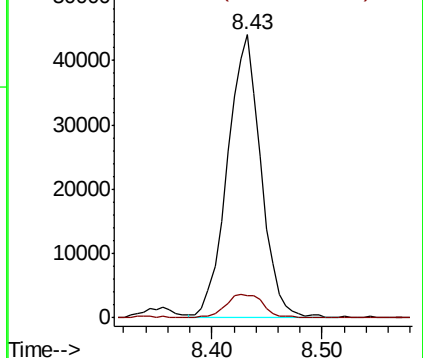


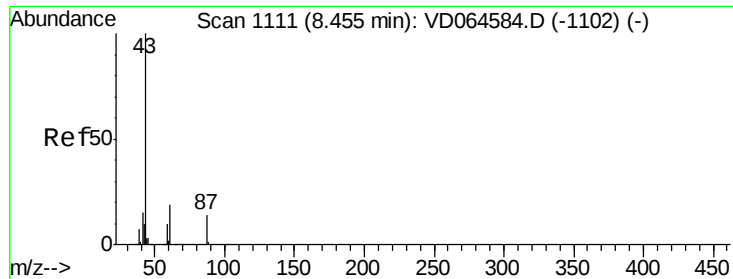
#42
1,2-Dichloroethane
Concen: 22.065 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion:	62	Resp:	93217
Ion	Ratio	Lower	Upper
62	100		
98	9.5	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: 21.766 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampled :

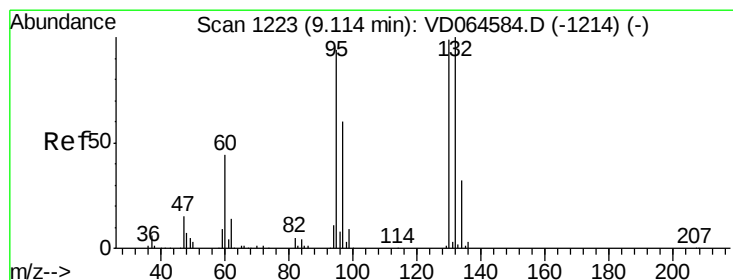
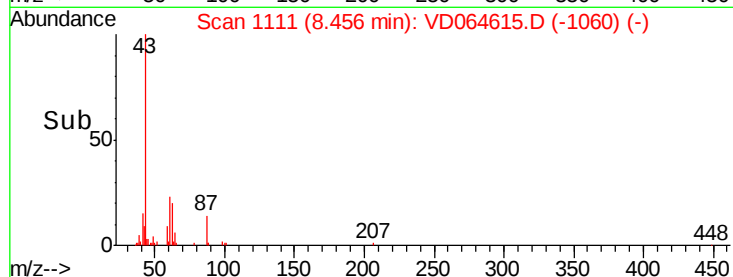
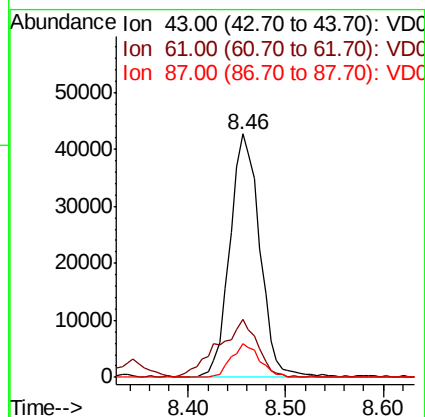
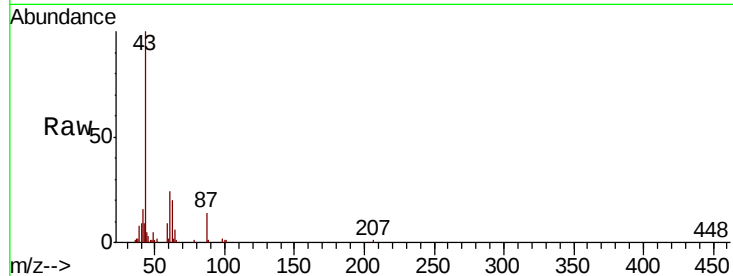
Tot Ion: 43 Resp: 91147

Ion Ratio Lower Upper

43 100

61 31.4 23.7 35.5

87 13.2 10.5 15.7



#44

Trichloroethene

Concen: 20.258 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064615.D

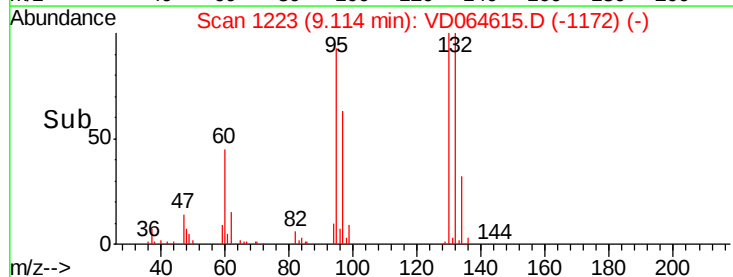
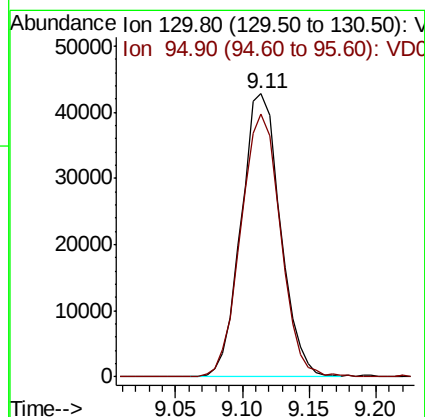
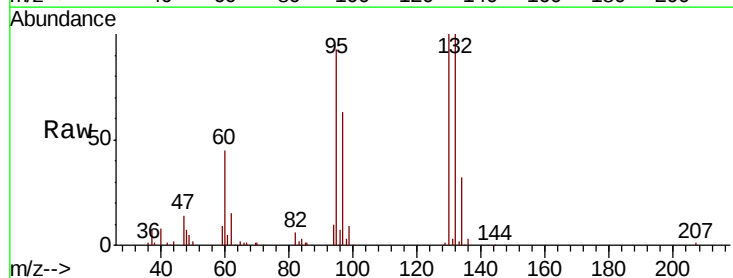
Acq: 27 Dec 2019 00:09

Tgt Ion: 130 Resp: 87004

Ion Ratio Lower Upper

130 100

95 92.7 0.0 190.2





#45

1,2-Dichloropropane

Concen: 21.693 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

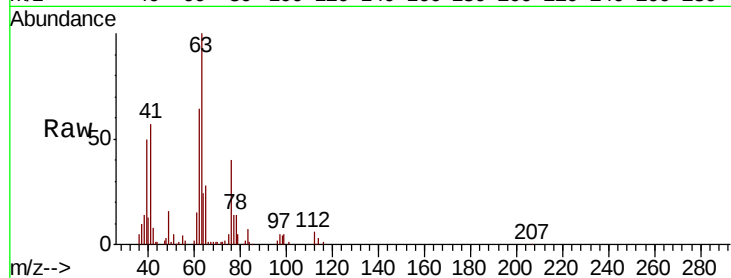
ClientSampleId :

Tot Ion: 63 Resp: 75722

Ion Ratio Lower Upper

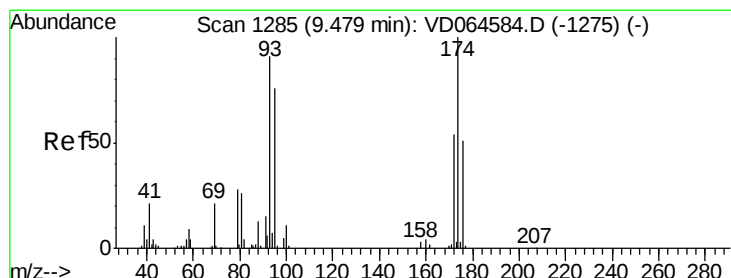
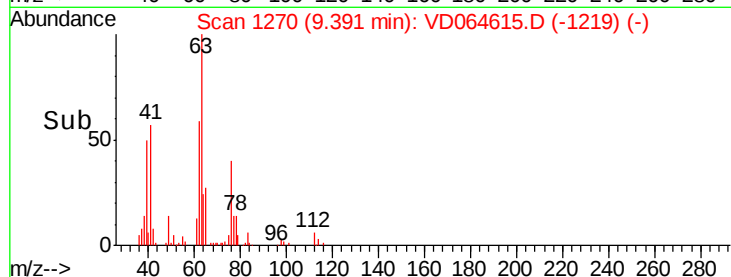
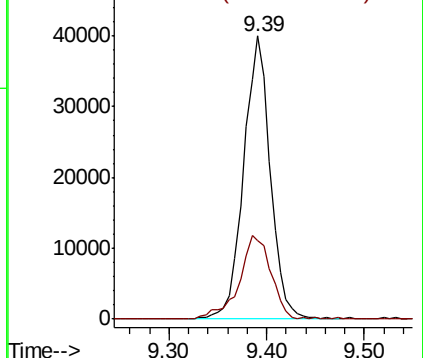
63 100

65 27.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.728 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

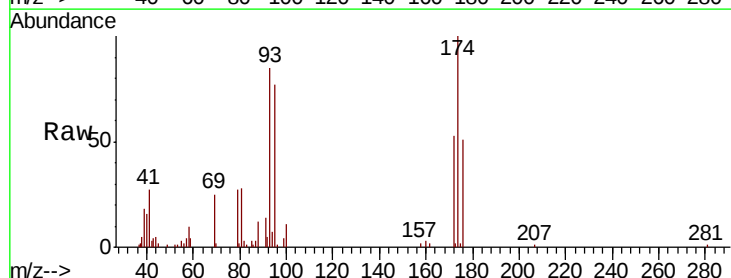
Tgt Ion: 93 Resp: 42285

Ion Ratio Lower Upper

93 100

95 86.9 64.6 97.0

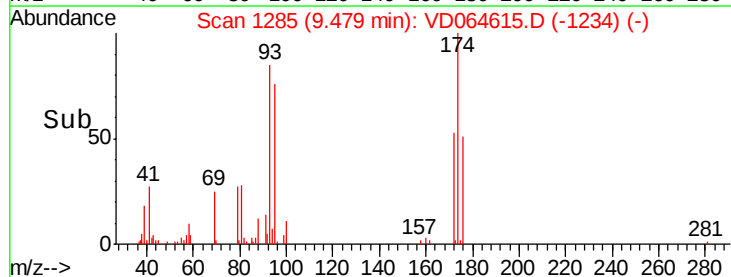
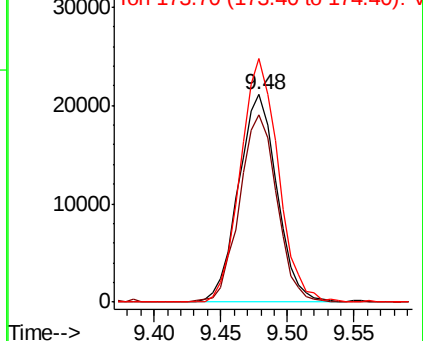
174 115.1 88.1 132.1

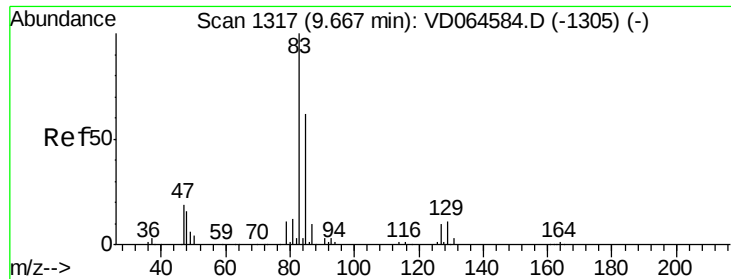


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.707 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

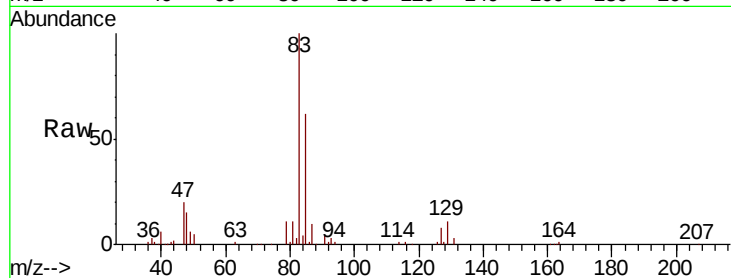
Tot Ion: 83 Resp: 112414

Ion Ratio Lower Upper

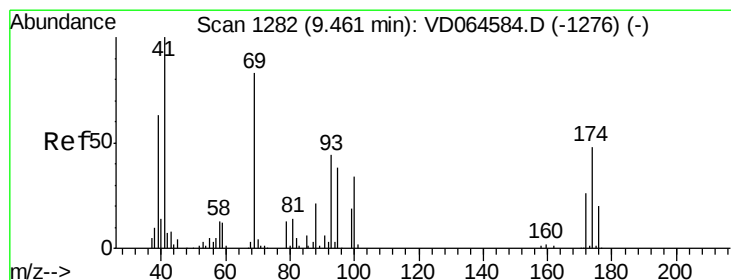
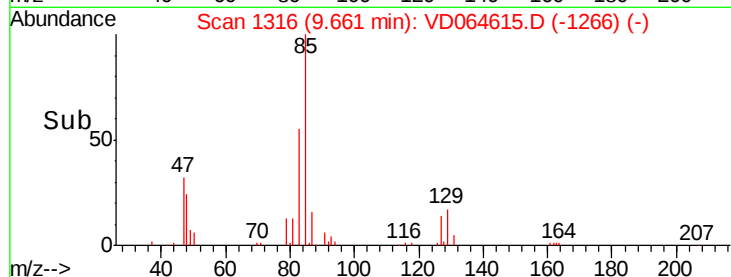
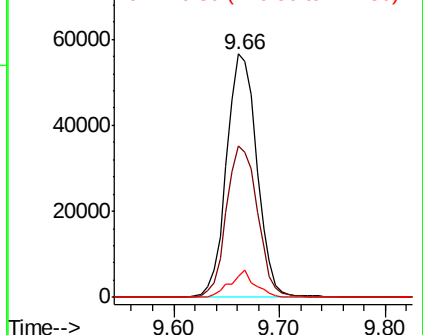
83 100

85 62.5 49.5 74.3

127 8.5 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: 20.624 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

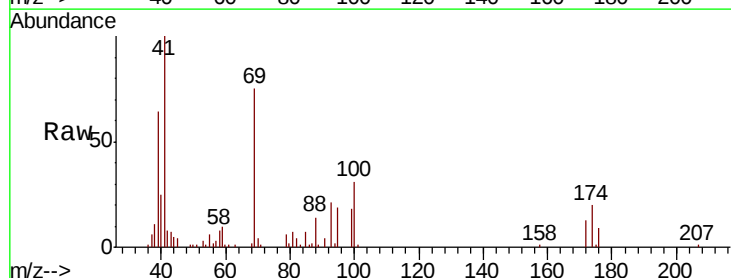
Tgt Ion: 41 Resp: 40666

Ion Ratio Lower Upper

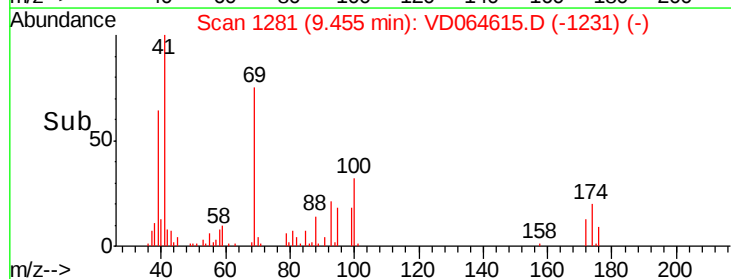
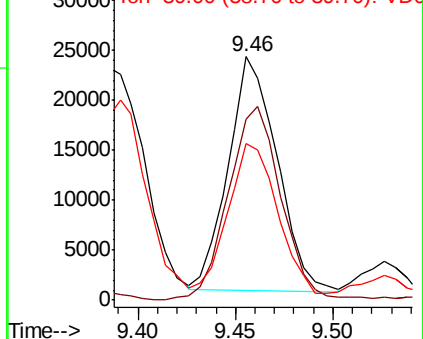
41 100

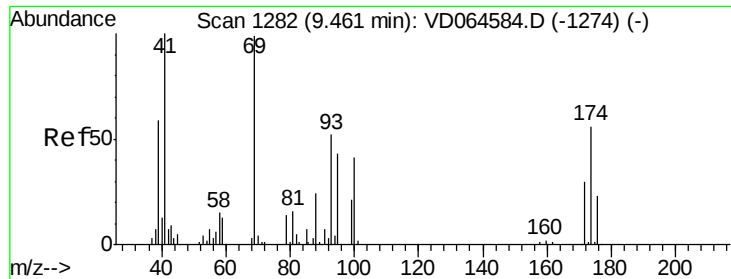
69 89.5 63.0 94.6

39 71.6 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

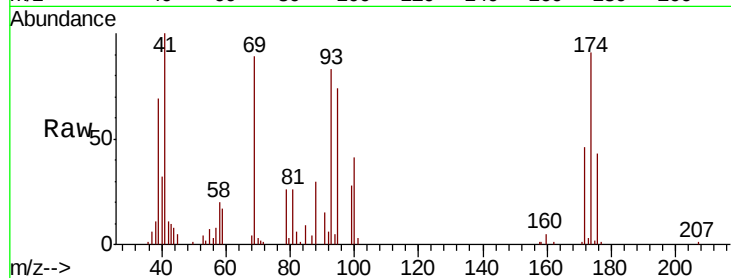




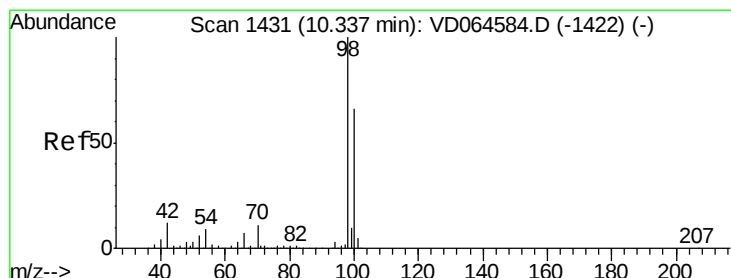
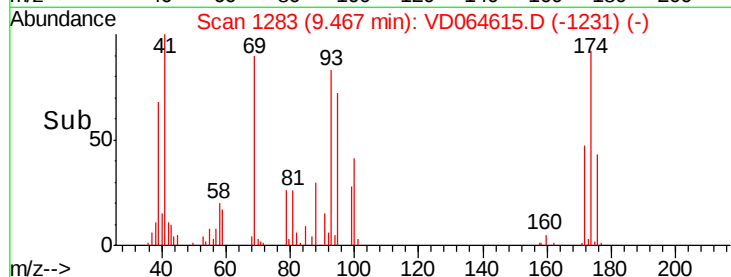
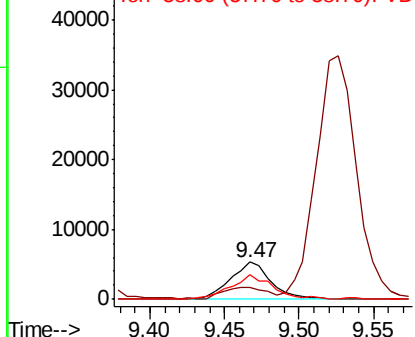
#49
1,4-Dioxane
Concen: 445.090 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 9988
Ion Ratio Lower Upper
88 100
43 35.7 27.7 41.5
58 69.5 53.8 80.6

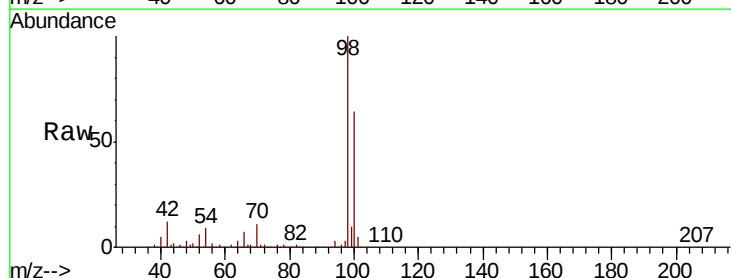


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

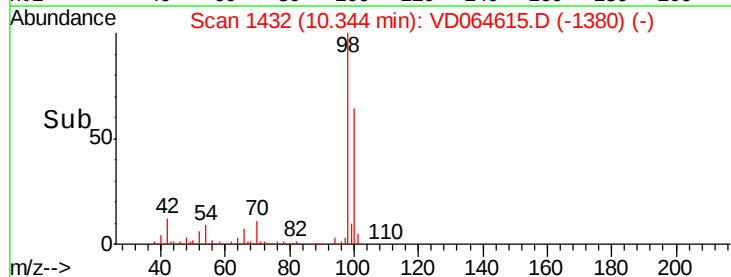
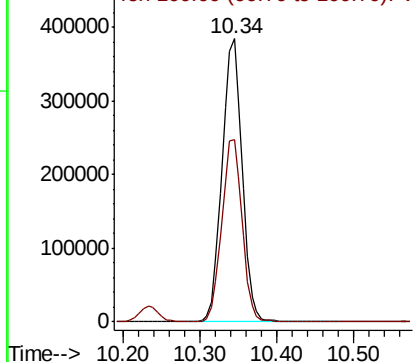


#50
Toluene-d8
Concen: 53.475 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 98 Resp: 699132
Ion Ratio Lower Upper
98 100
100 65.1 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: 108.570 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

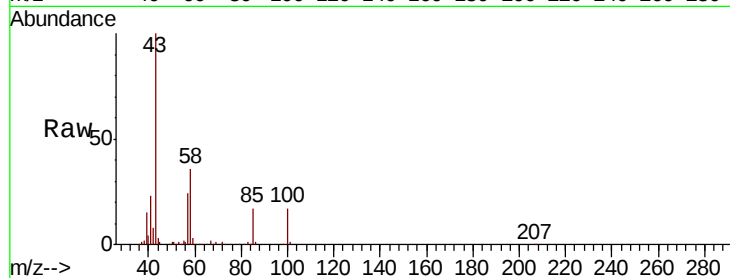
ClientSampled :

Tot Ion: 43 Resp: 224723

Ion Ratio Lower Upper

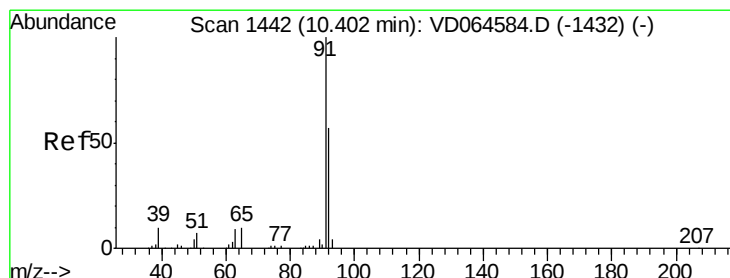
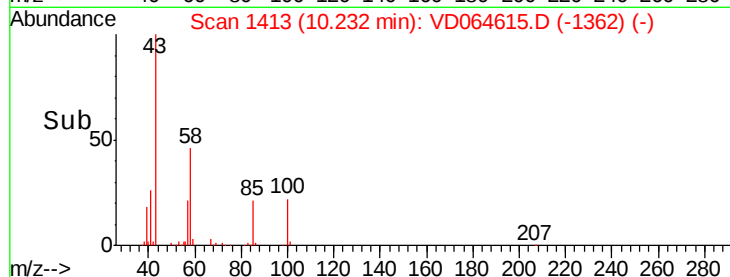
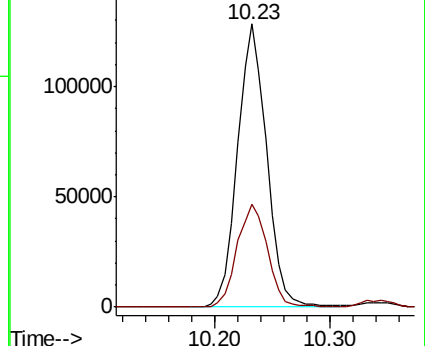
43 100

58 38.2 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.177 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064615.D

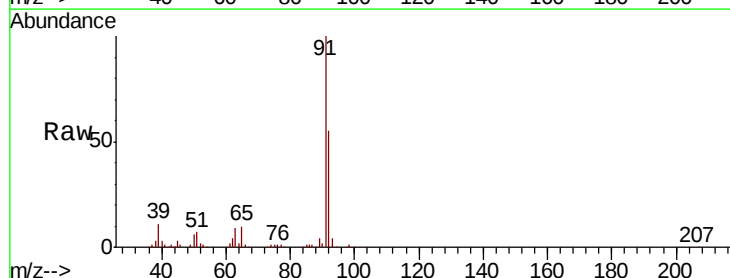
Acq: 27 Dec 2019 00:09

Tgt Ion: 92 Resp: 193528

Ion Ratio Lower Upper

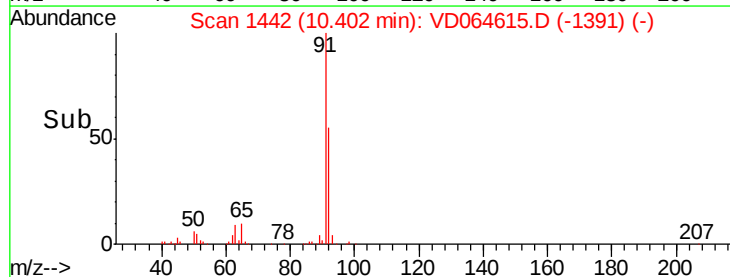
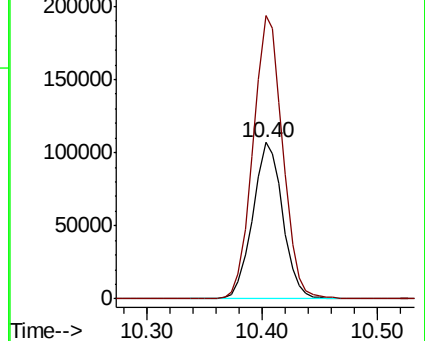
92 100

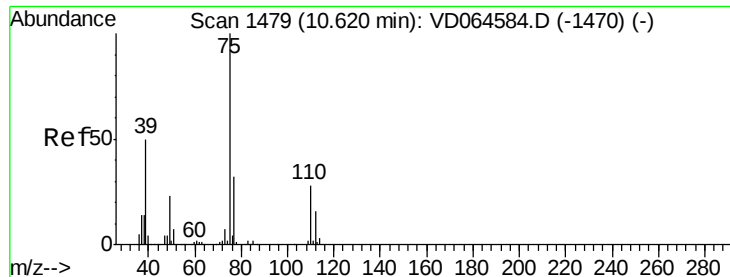
91 178.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.903 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

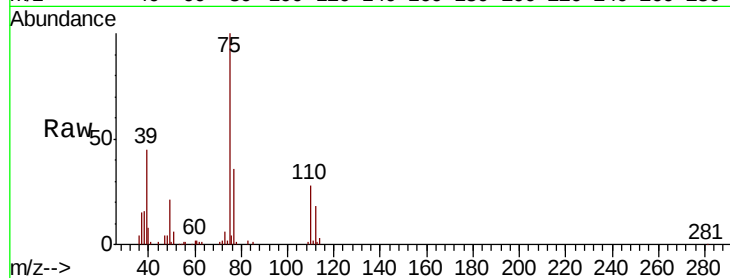
ClientSampleId :

Tot Ion: 75 Resp: 100923

Ion Ratio Lower Upper

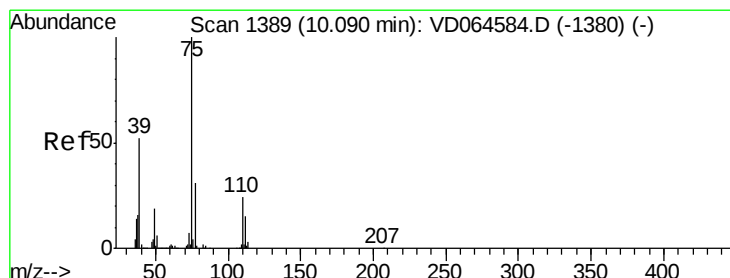
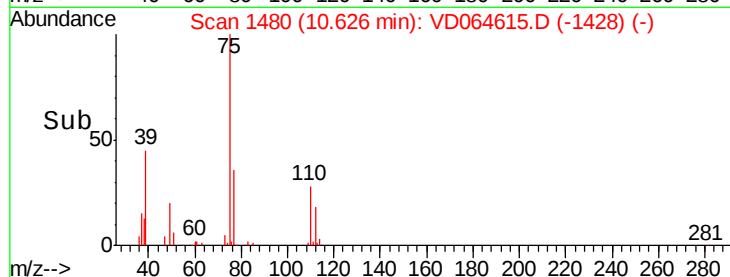
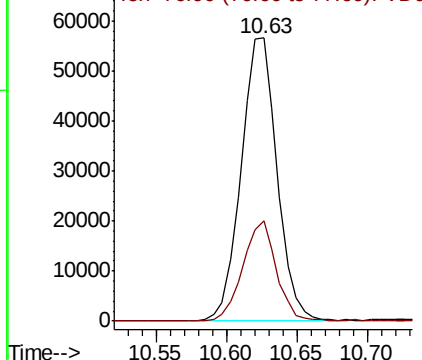
75 100

77 35.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.430 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

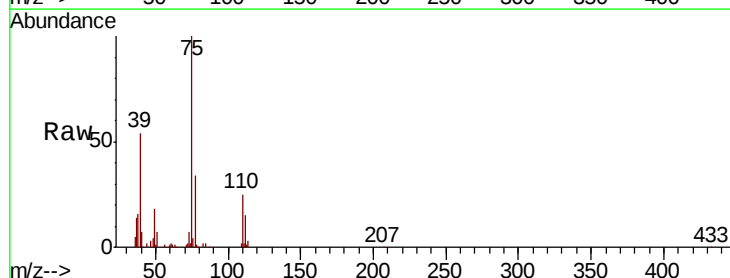
Tgt Ion: 75 Resp: 122005

Ion Ratio Lower Upper

75 100

77 33.8 24.6 36.8

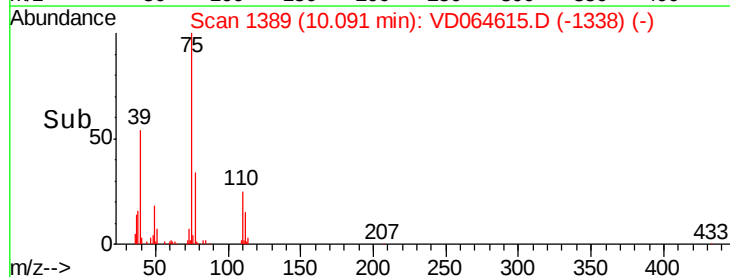
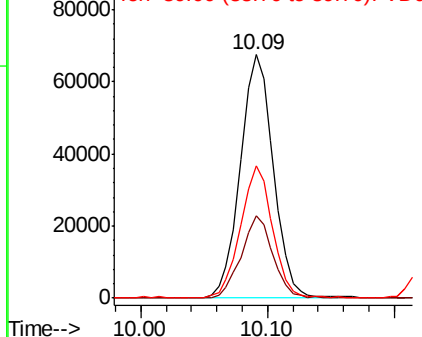
39 54.2 41.4 62.2

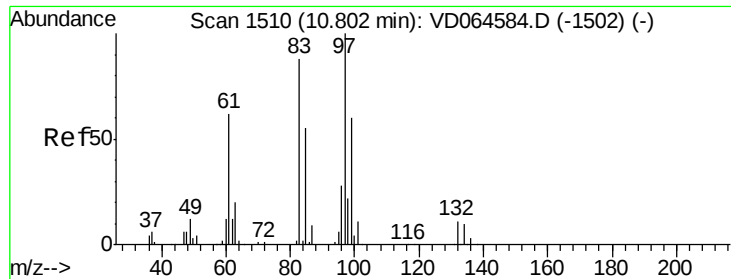


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

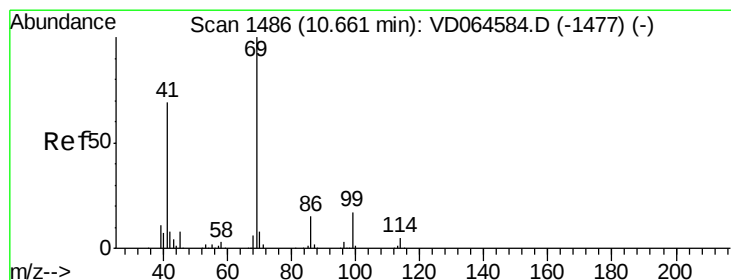
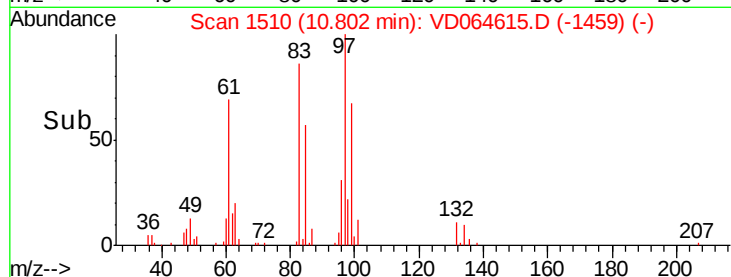
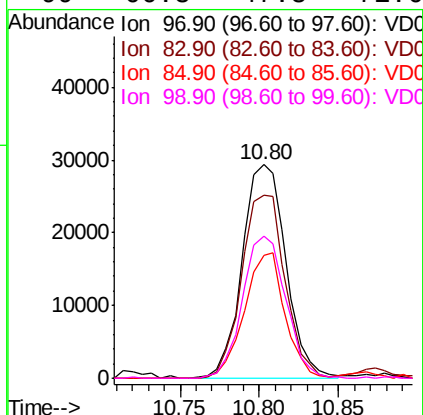
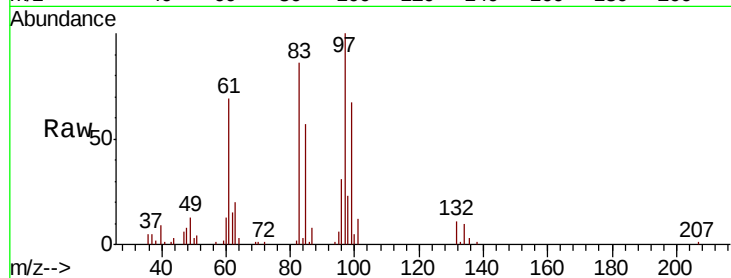




#55
 1,1,2-Trichloroethane
 Concen: 21.511 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

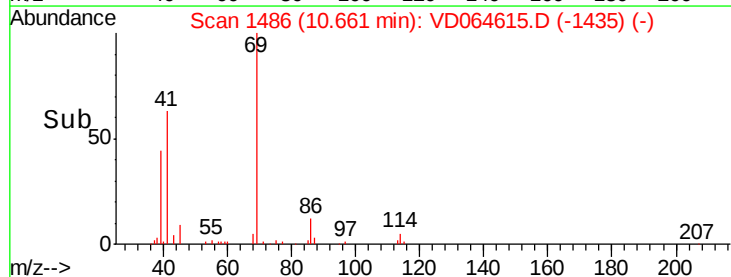
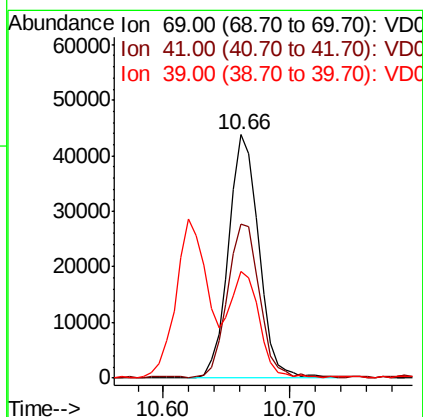
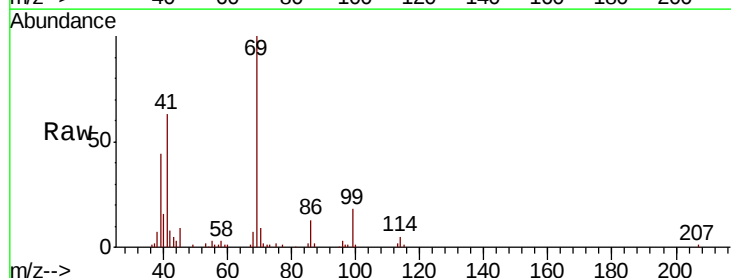
Instrument :
 MSVOA_D
 ClientSampleId :

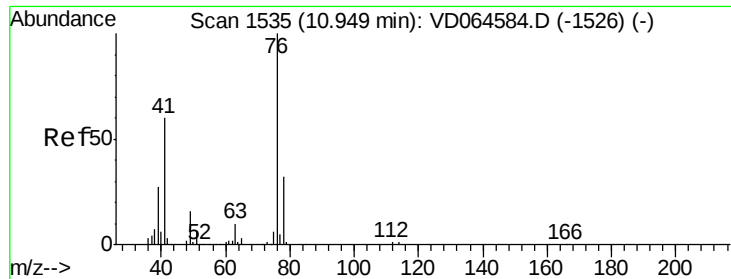
Tot Ion	97	Resp	56418
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.2	105.4
85	57.3	44.0	66.0
99	66.8	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 22.034 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	69	Resp	72173
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.3	82.9
39	42.7	33.8	50.8

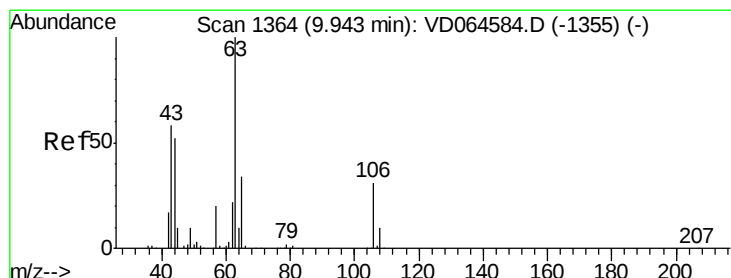
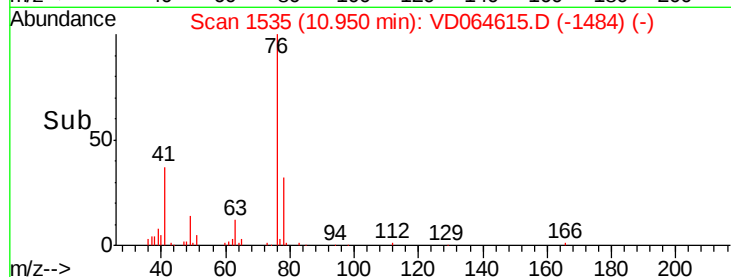
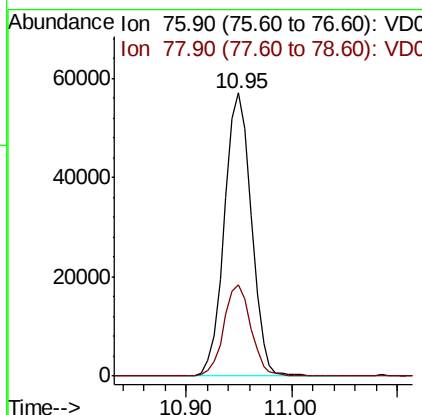
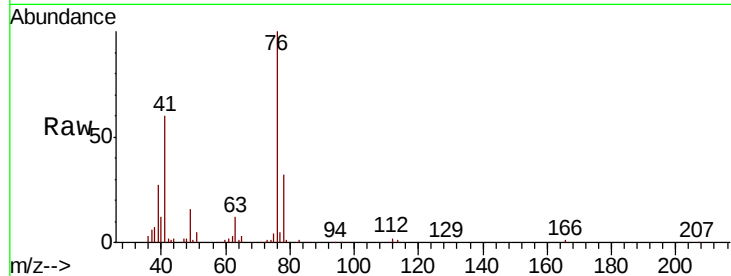




#57
 1,3-Dichloropropane
 Concen: 22.392 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

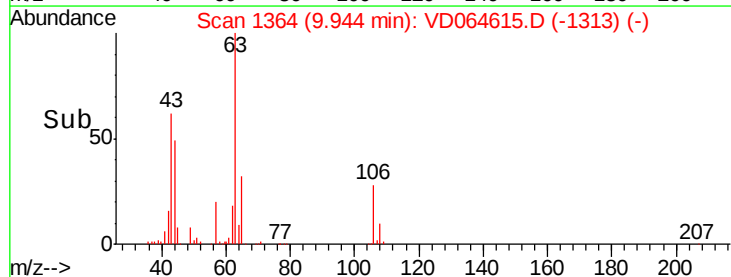
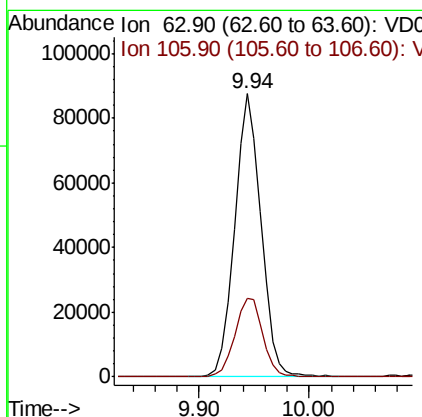
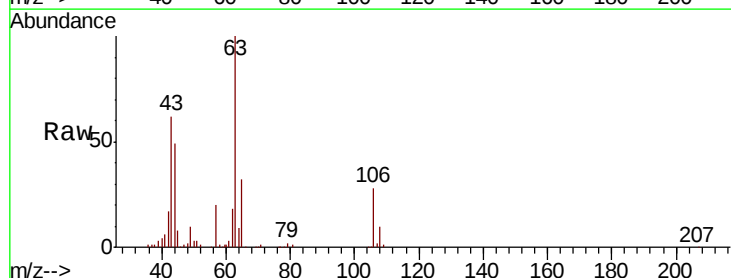
Instrument :
 MSVOA_D
 ClientSampleId :

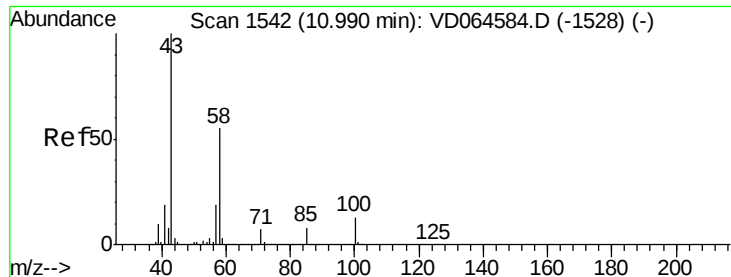
Tot Ion: 76 Resp: 101121
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.238 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion: 63 Resp: 146306
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8

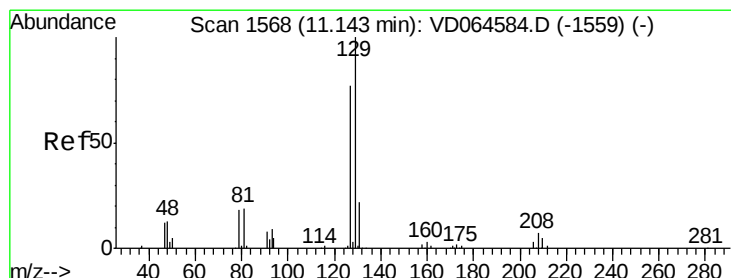
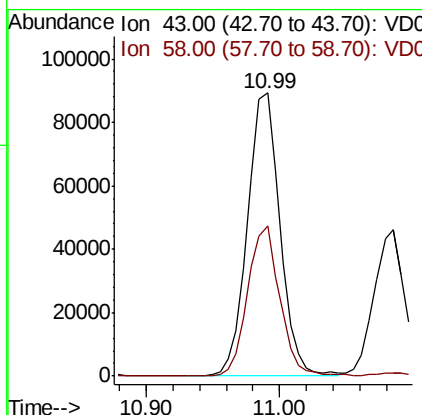
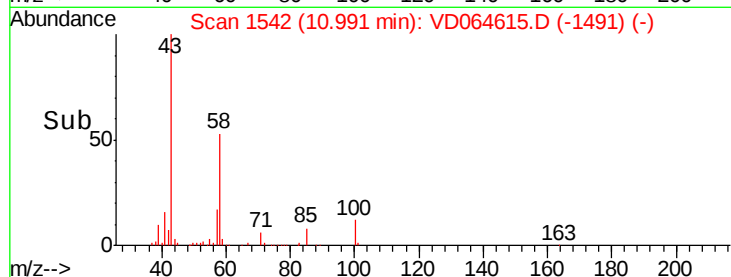
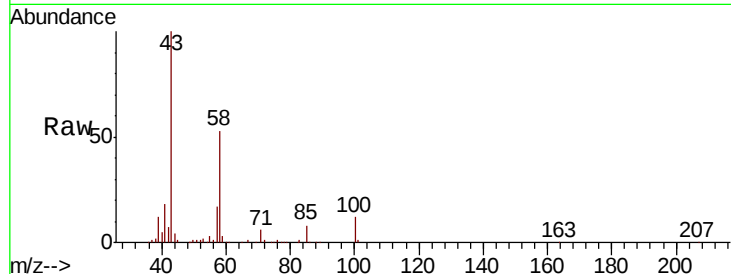




#59
2-Hexanone
Concen: 106.950 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

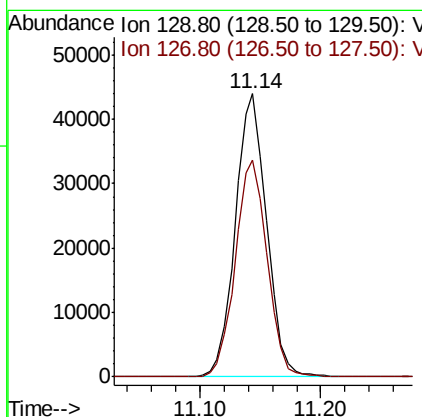
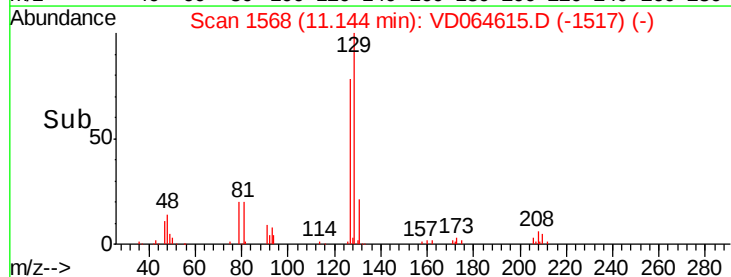
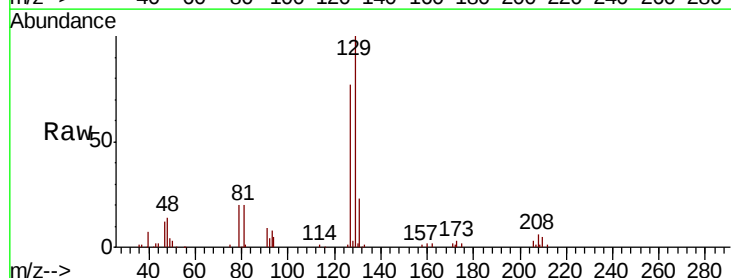
Instrument :
MSVOA_D
ClientSampled :

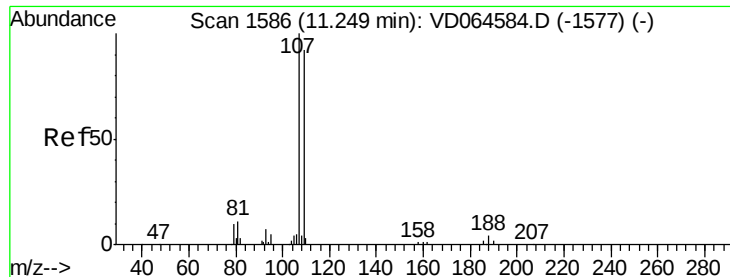
Tot Ion: 43 Resp: 150247
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0



#60
Dibromochloromethane
Concen: 21.836 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 129 Resp: 79198
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2

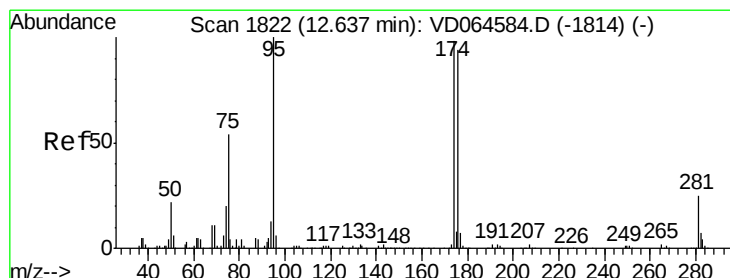
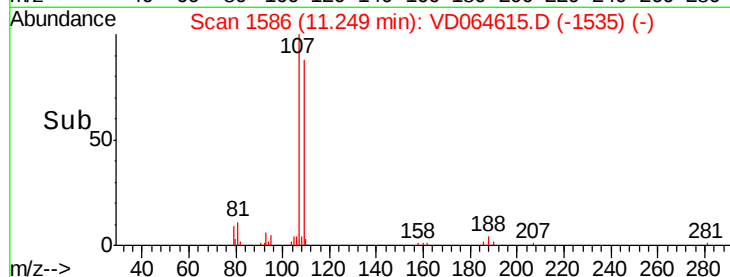
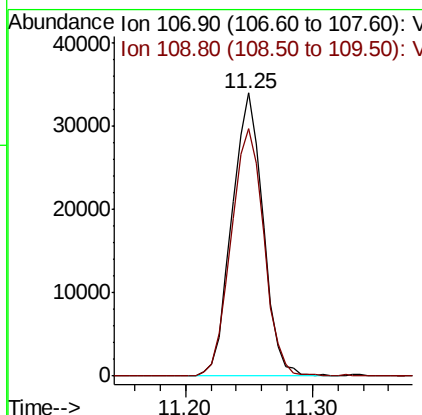
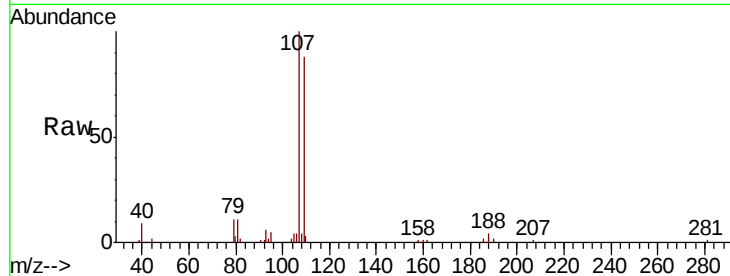




#61
 1,2-Dibromoethane
 Concen: 22.361 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

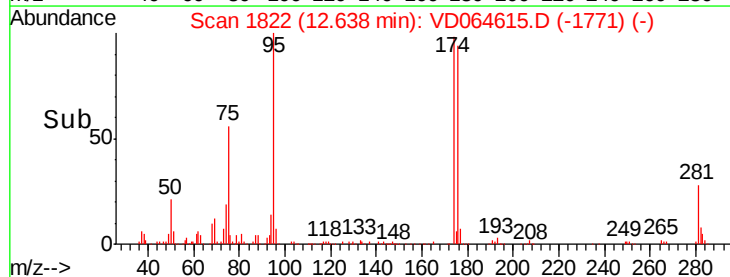
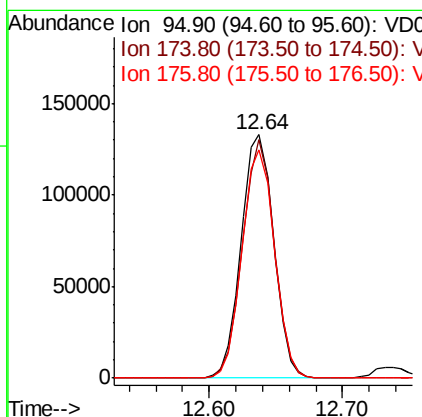
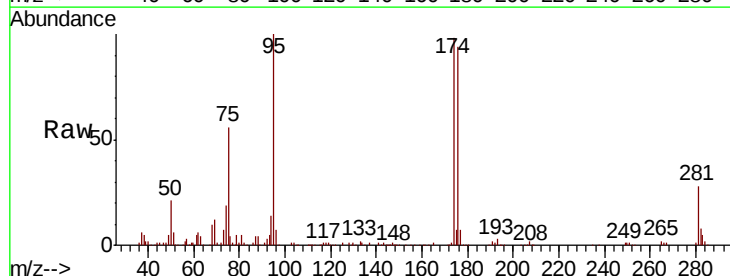
Instrument :
 MSVOA_D
 ClientSampleId :

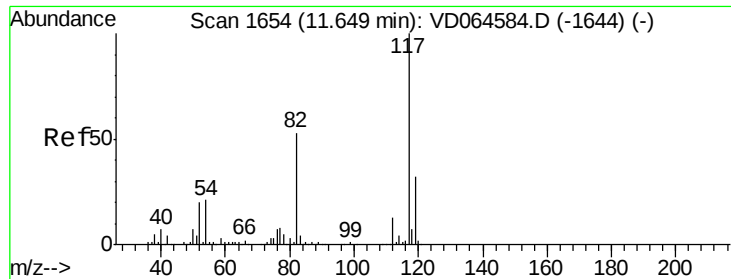
Tot Ion:107 Resp: 57846
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.296 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion: 95 Resp: 224466
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 193.2
 176 93.5 0.0 184.2

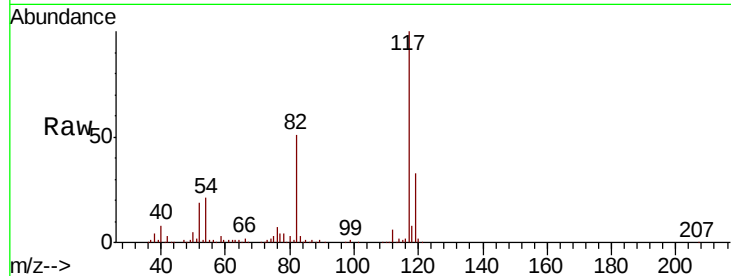




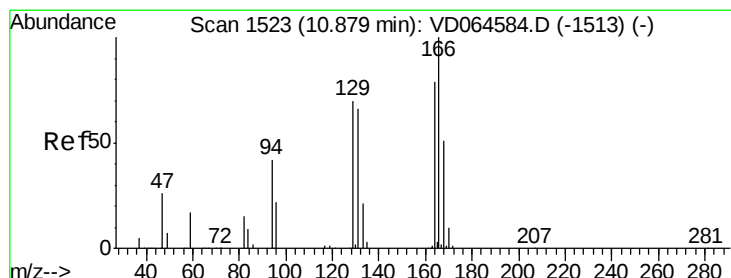
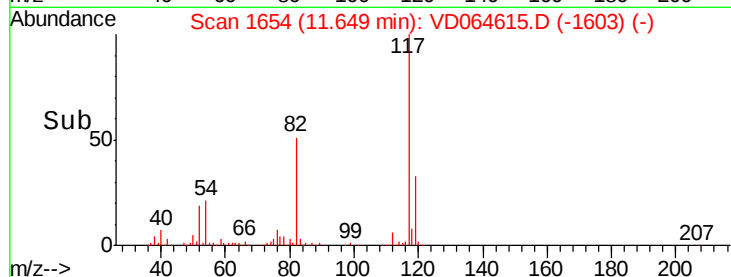
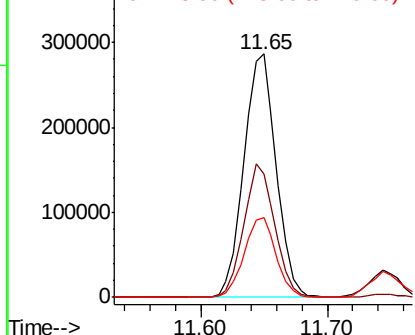
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 506199
Ion Ratio Lower Upper
117 100
82 50.7 42.2 63.4
119 33.0 26.0 39.0

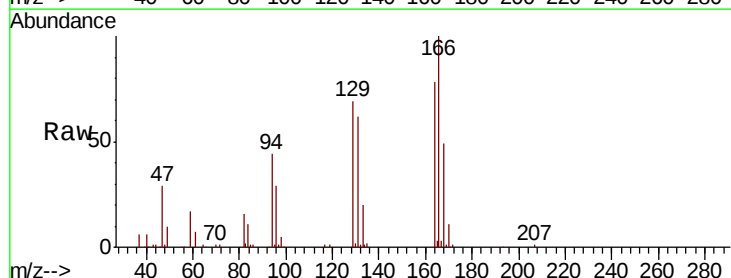


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

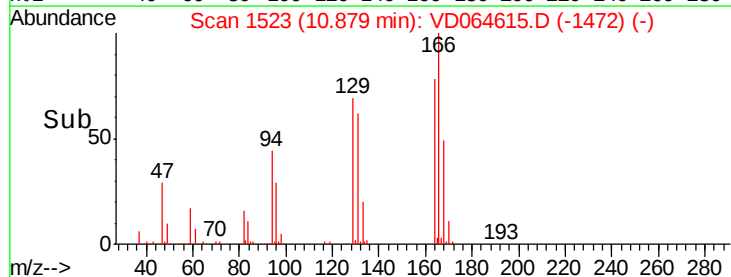
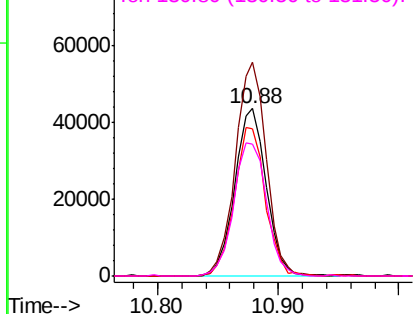


#64
Tetrachloroethene
Concen: 20.432 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion:164 Resp: 79346
Ion Ratio Lower Upper
164 100
166 127.7 101.3 151.9
129 87.9 70.5 105.7
131 78.9 66.6 99.8



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

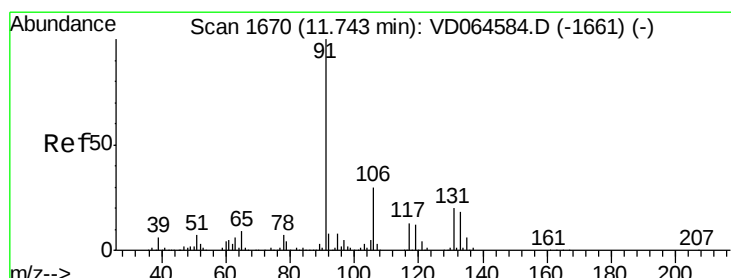
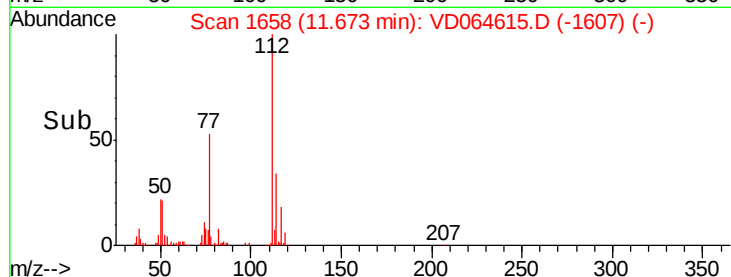
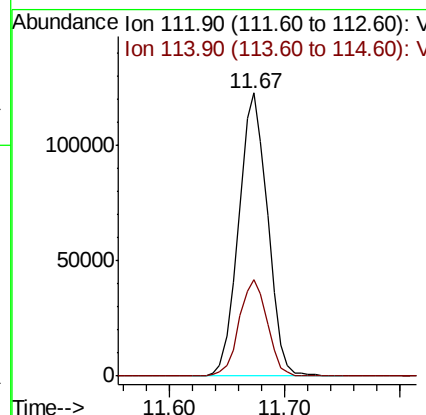
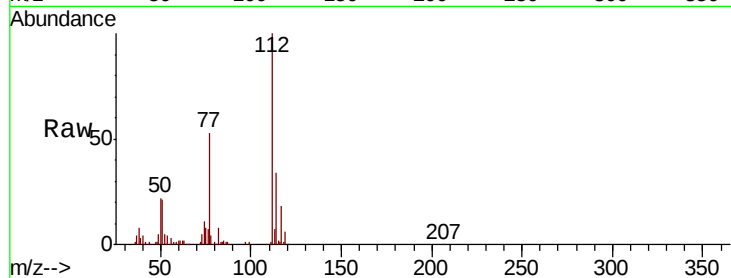




#65
Chlorobenzene
Concen: 20.233 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

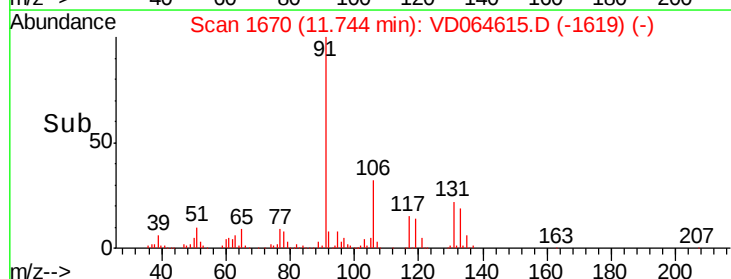
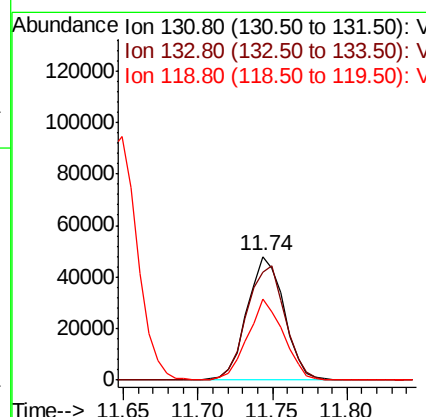
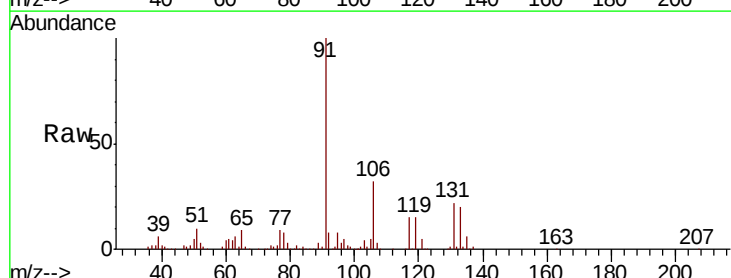
Instrument :
MSVOA_D
ClientSampled :

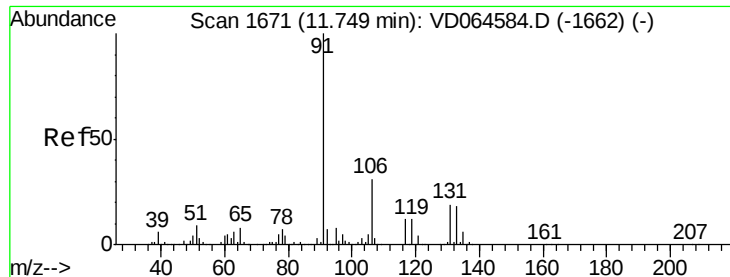
Tot Ion:112 Resp: 212572
Ion Ratio Lower Upper
112 100
114 34.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.812 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion:131 Resp: 82429
Ion Ratio Lower Upper
131 100
133 96.1 48.3 144.8
119 63.6 32.1 96.3





#67

Ethyl Benzene

Concen: 19.409 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

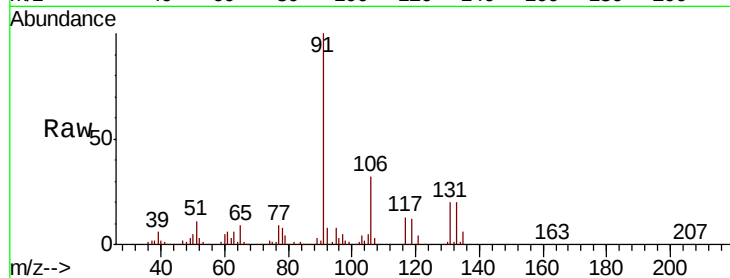
ClientSampleId :

Tot Ion: 91 Resp: 370114

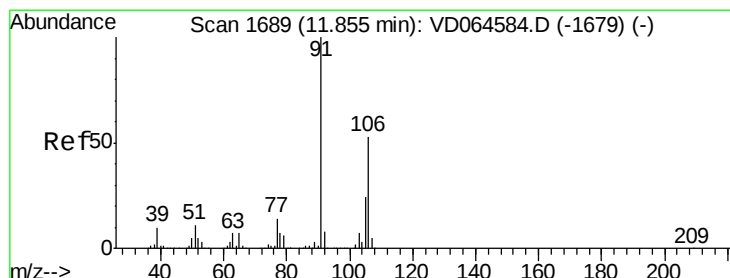
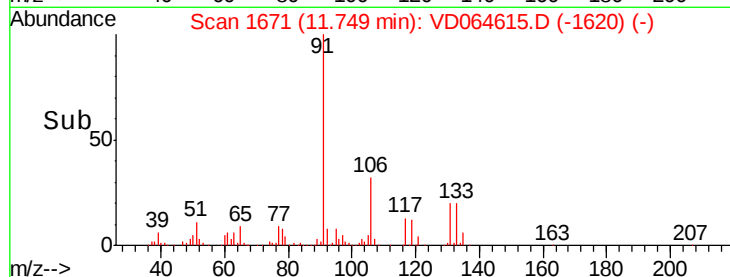
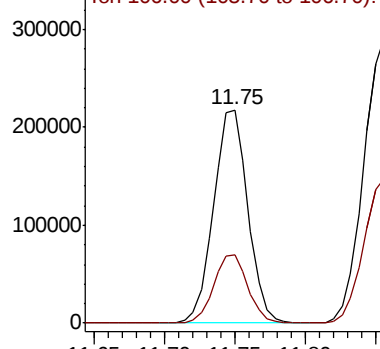
Ion Ratio Lower Upper

91 100

106 32.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 38.668 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064615.D

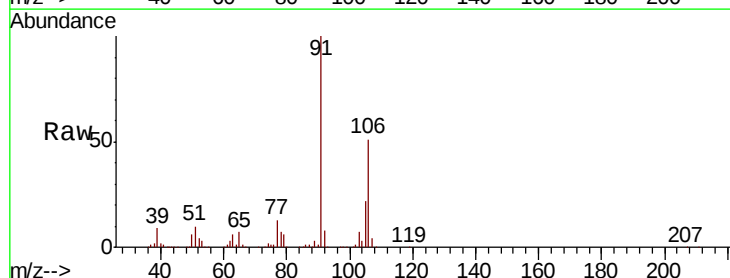
Acq: 27 Dec 2019 00:09

Tgt Ion: 106 Resp: 284609

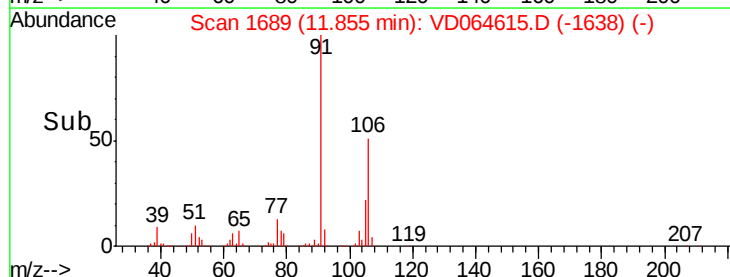
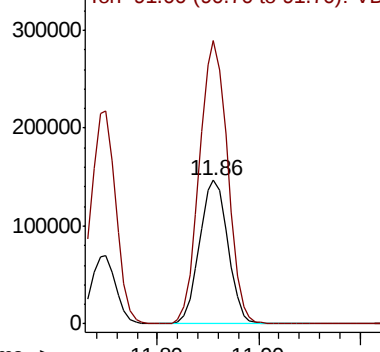
Ion Ratio Lower Upper

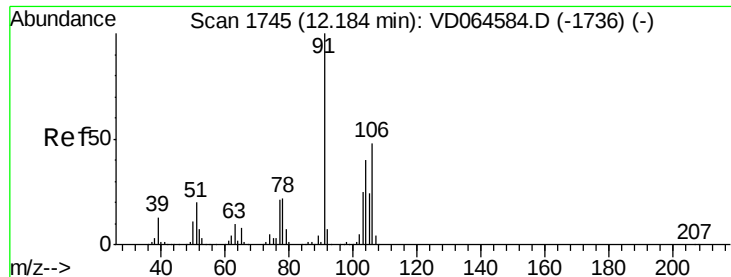
106 100

91 196.1 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

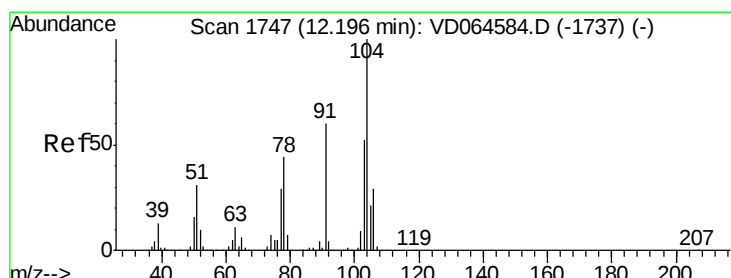
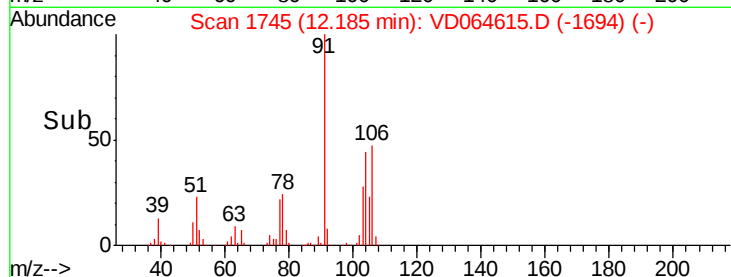
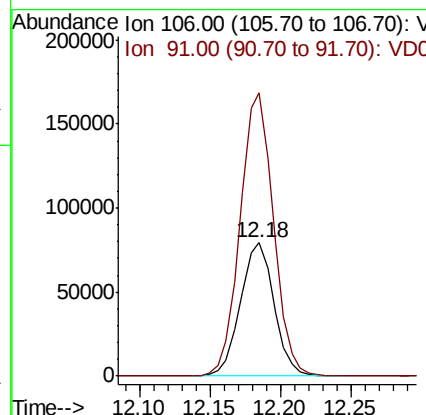
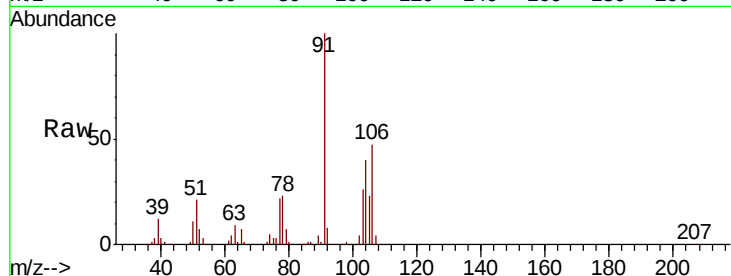




#69
o-Xylene
Concen: 19.889 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

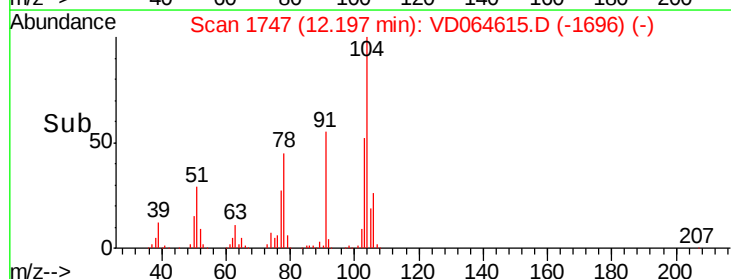
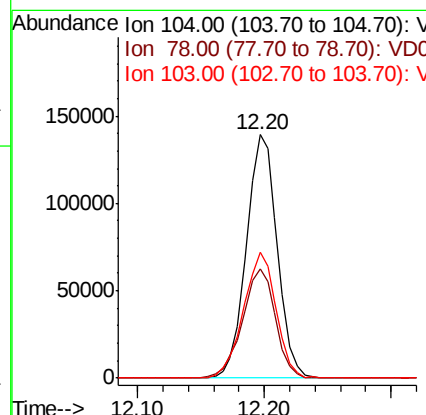
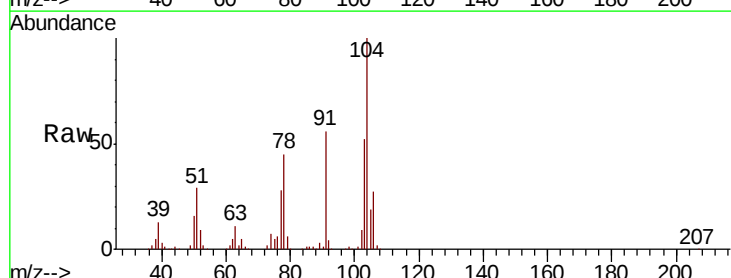
Instrument :
MSVOA_D
ClientSampled :

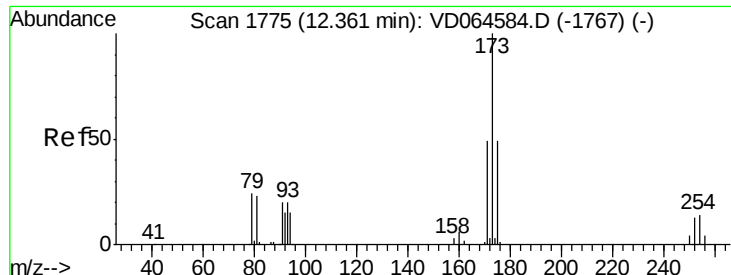
Tot Ion:106 Resp: 132225
Ion Ratio Lower Upper
106 100
91 210.1 104.8 314.4



#70
Styrene
Concen: 20.113 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion:104 Resp: 234710
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 54.6 44.6 67.0

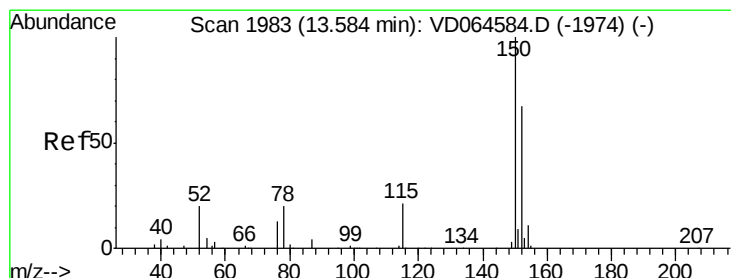
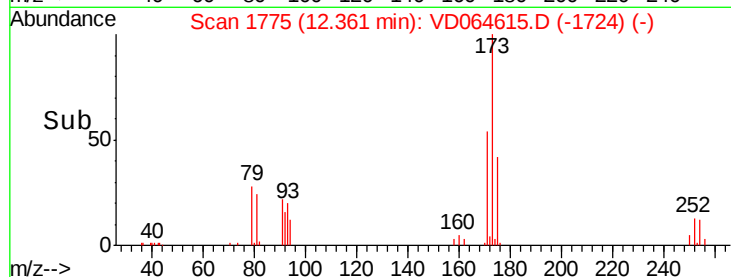
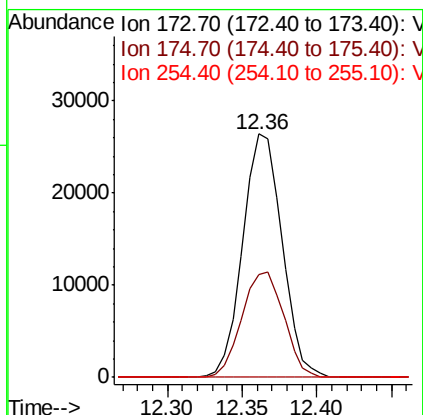
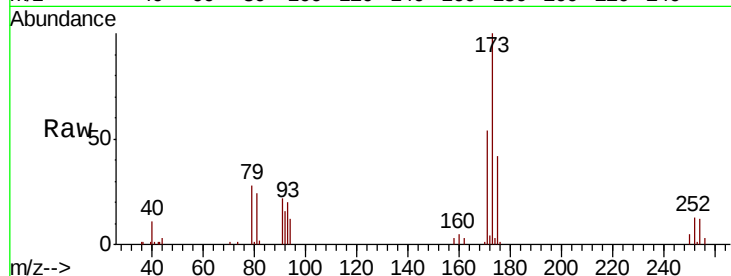




#71
Bromoform
Concen: 21.336 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

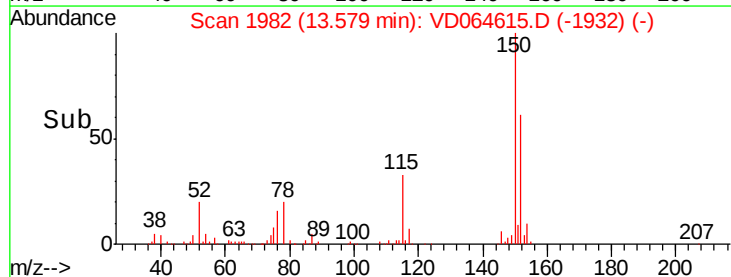
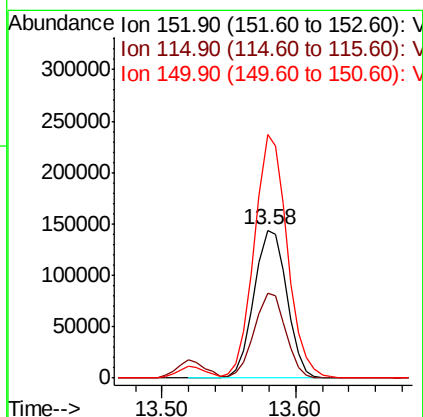
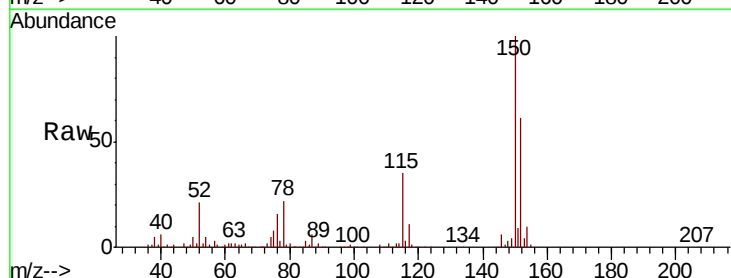
Instrument :
MSVOA_D
ClientSampleId :

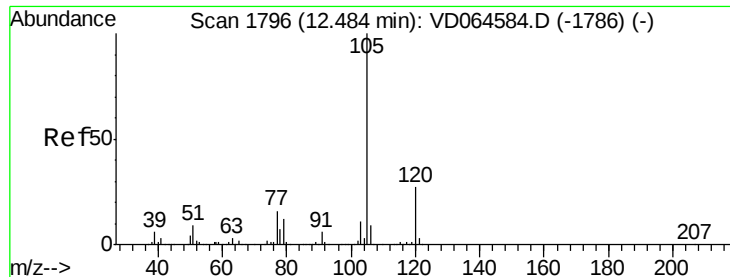
Tot Ion:173 Resp: 48190
Ion Ratio Lower Upper
173 100
175 46.1 24.6 73.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion:152 Resp: 244741
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 165.1 0.0 351.4





#73

Isopropylbenzene

Concen: 19.866 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

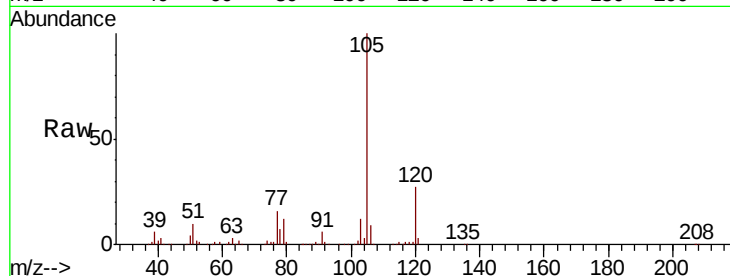
ClientSampleId :

Tot Ion:105 Resp: 347446

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

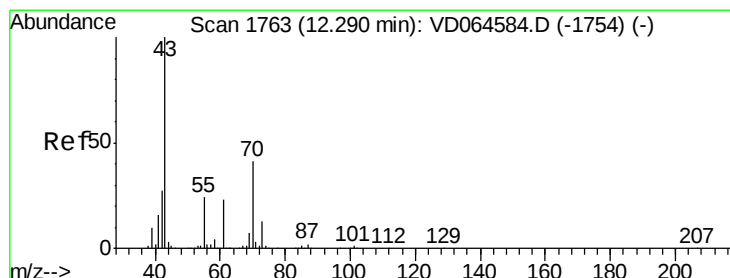
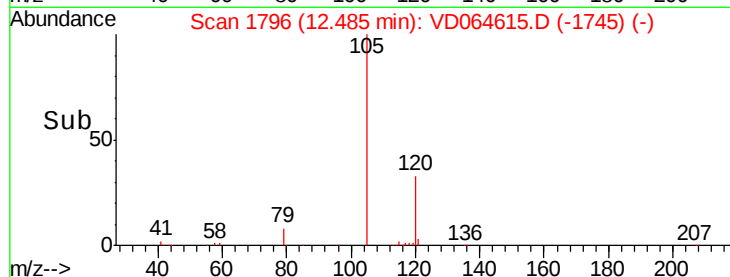
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.567 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion: 43 Resp: 80631

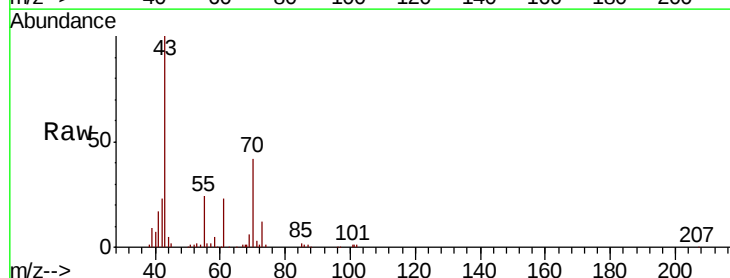
Ion Ratio Lower Upper

43 100

70 42.5 33.4 50.0

55 24.6 19.4 29.0

61 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

20000

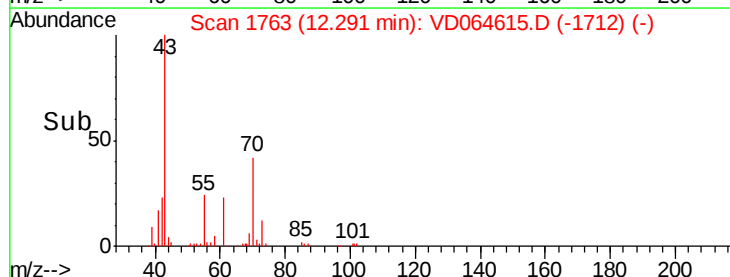
0

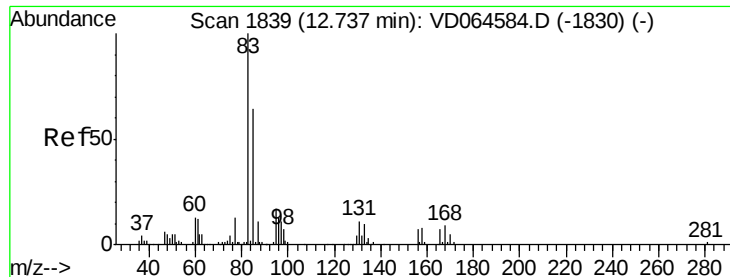
12.20

12.29

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.717 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

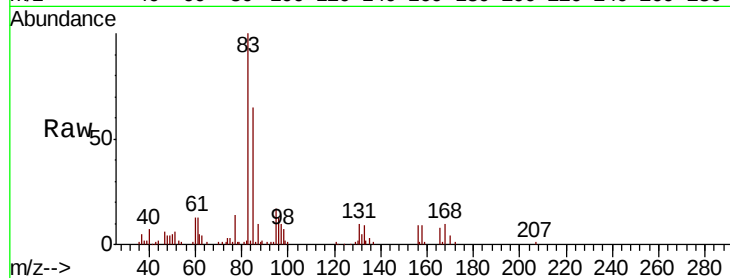
Tot Ion: 83 Resp: 62414

Ion Ratio Lower Upper

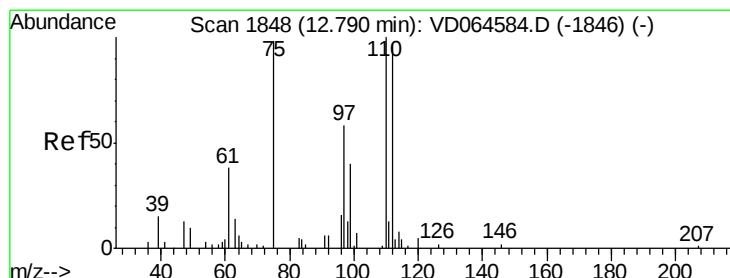
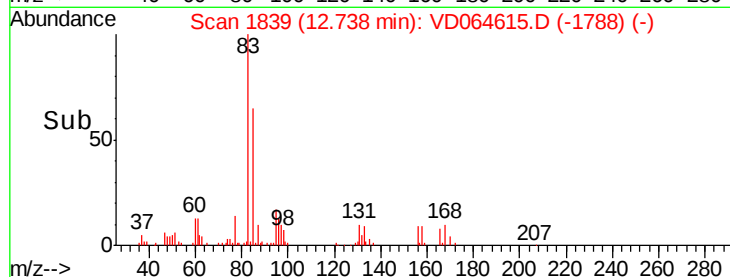
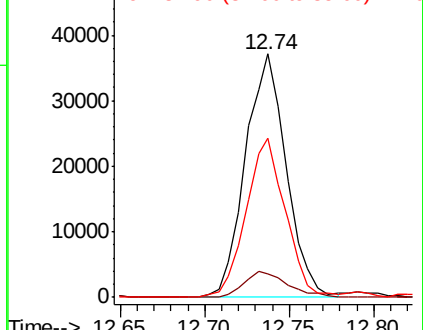
83 100

131 11.2 5.8 17.4

85 63.2 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: 41.251 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064615.D

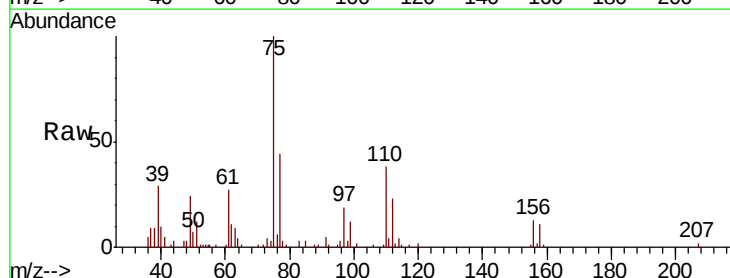
Acq: 27 Dec 2019 00:09

Tgt Ion: 75 Resp: 79723

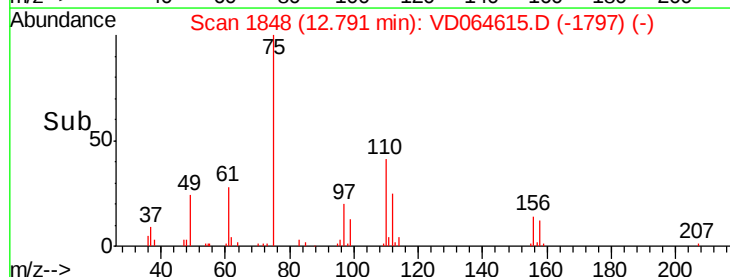
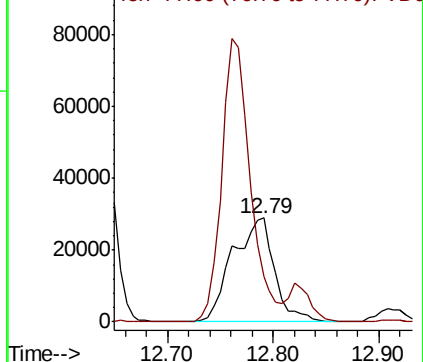
Ion Ratio Lower Upper

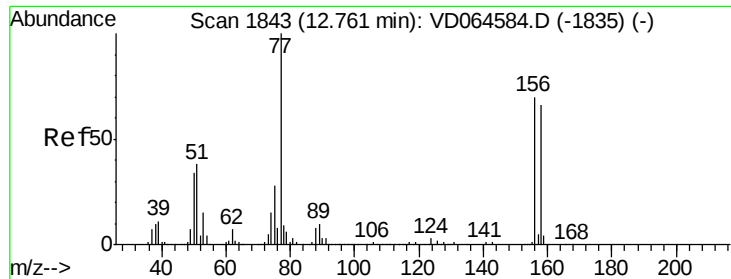
75 100

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: 22.218 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

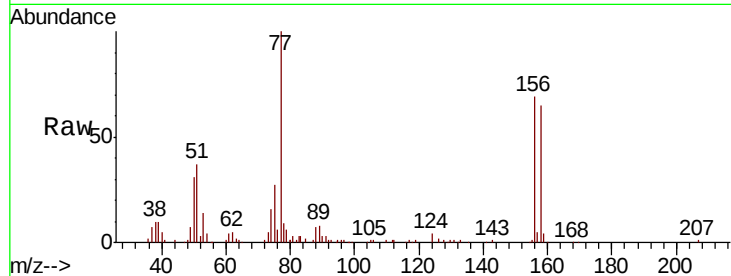
Tot Ion:156 Resp: 95481

Ion Ratio Lower Upper

156 100

77 155.2 80.9 242.7

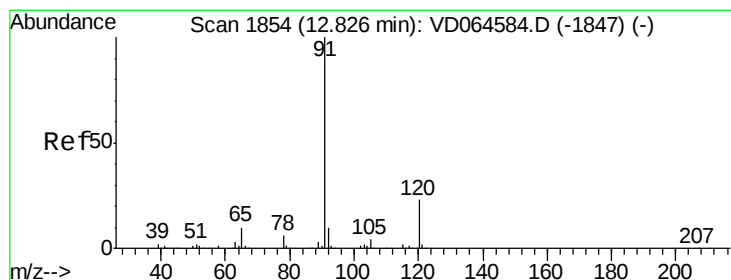
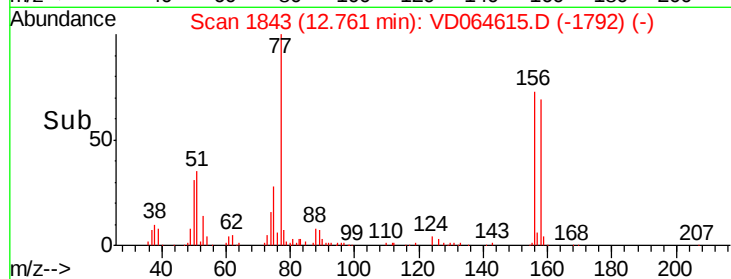
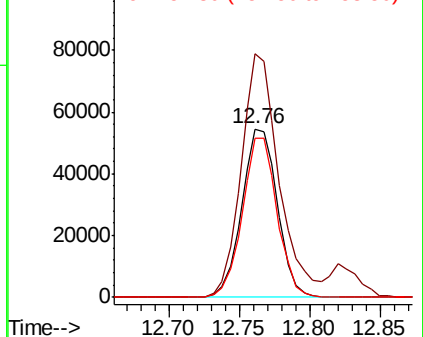
158 92.8 48.0 144.2



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



#78

n-propylbenzene

Concen: 20.071 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064615.D

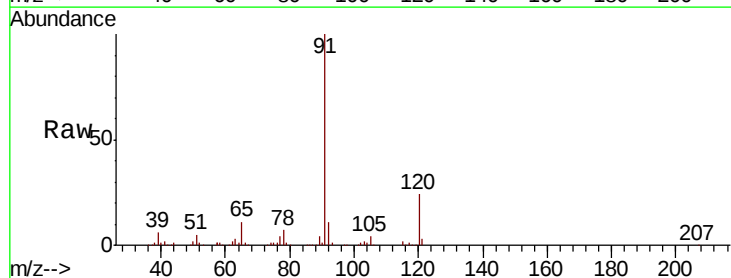
Acq: 27 Dec 2019 00:09

Tgt Ion: 91 Resp: 409538

Ion Ratio Lower Upper

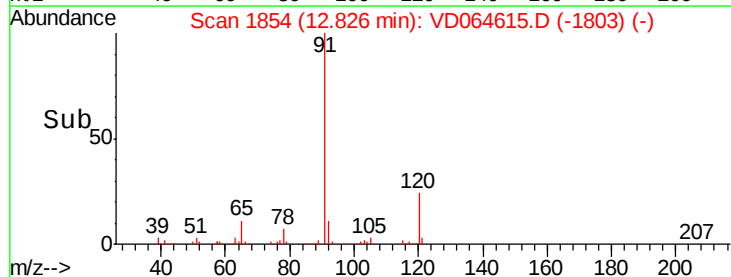
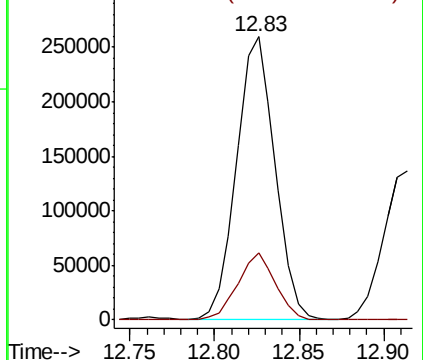
91 100

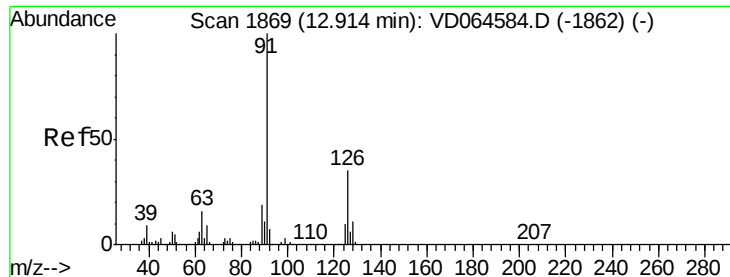
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.710 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

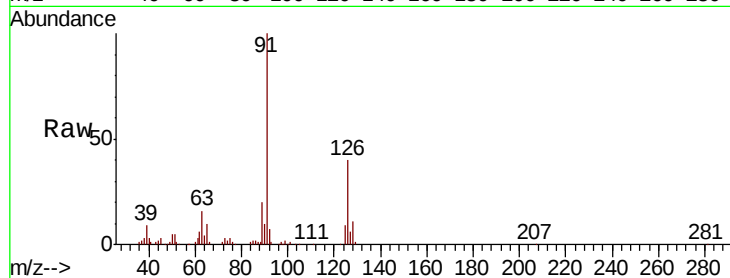
ClientSampled :

Tot Ion: 91 Resp: 232136

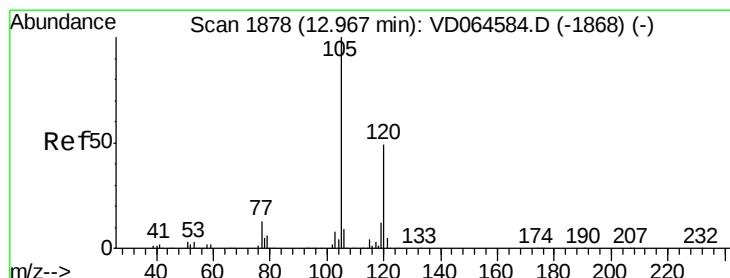
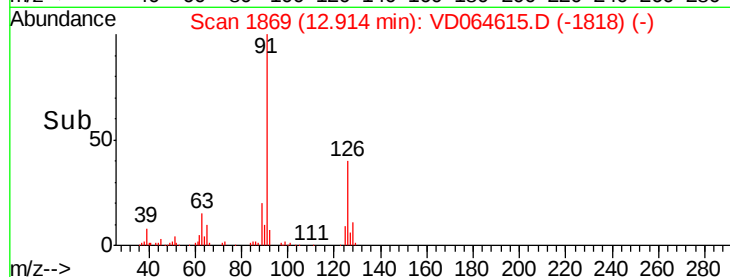
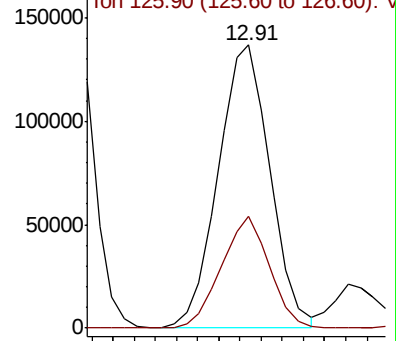
Ion Ratio Lower Upper

91 100

126 36.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.108 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064615.D

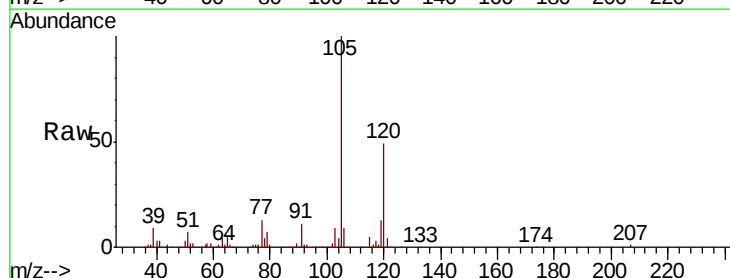
Acq: 27 Dec 2019 00:09

Tgt Ion:105 Resp: 288898

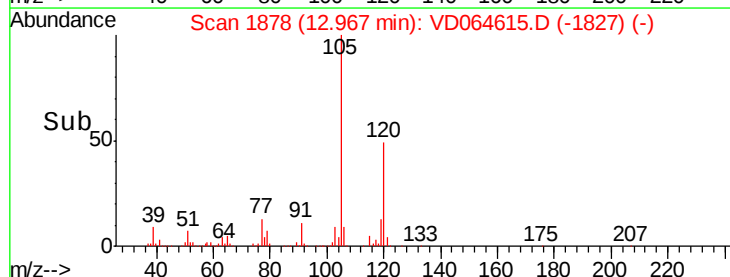
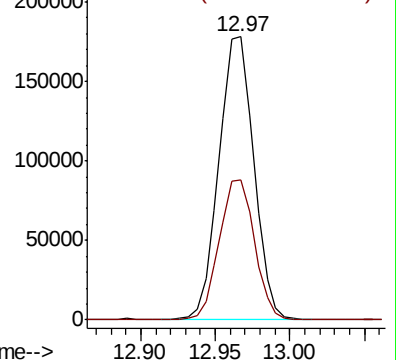
Ion Ratio Lower Upper

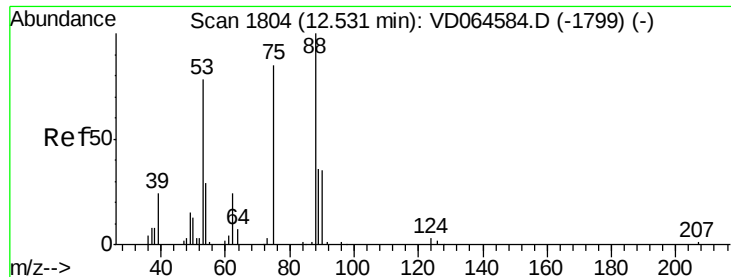
105 100

120 49.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.029 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

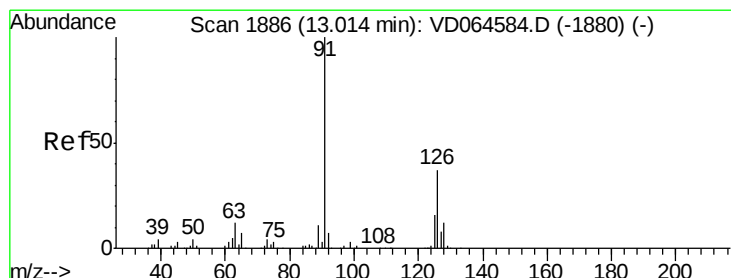
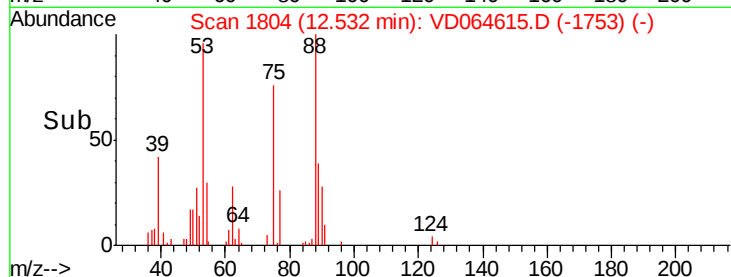
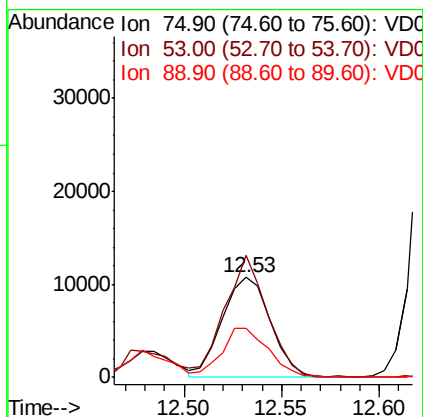
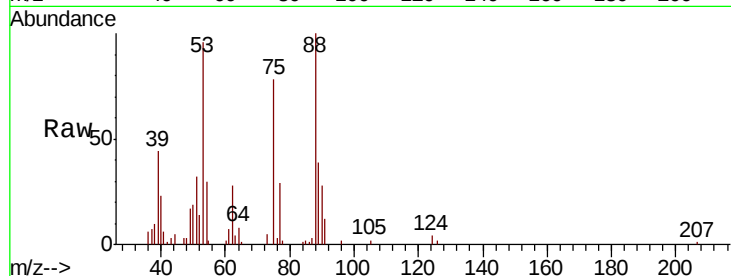
Tot Ion: 75 Resp: 18508

Ion Ratio Lower Upper

75 100

53 107.5 78.8 118.2

89 47.5 38.3 57.5



#82

4-Chlorotoluene

Concen: 20.644 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064615.D

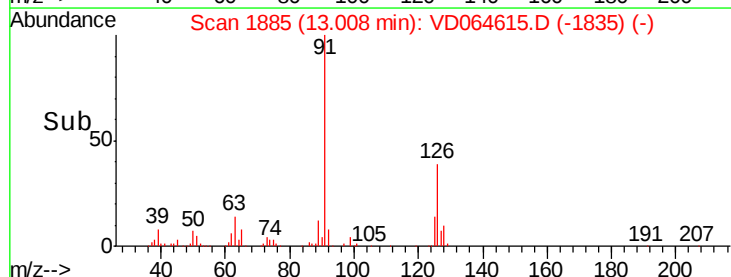
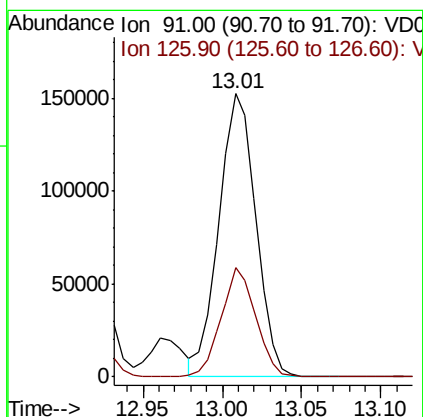
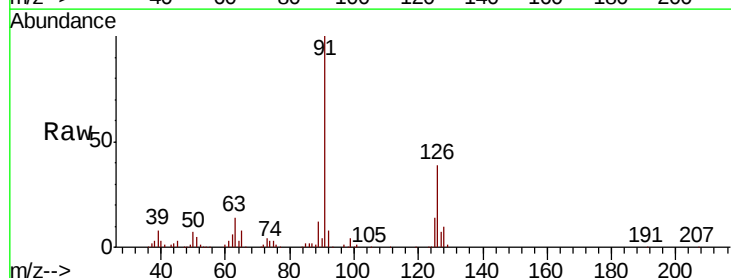
Acq: 27 Dec 2019 00:09

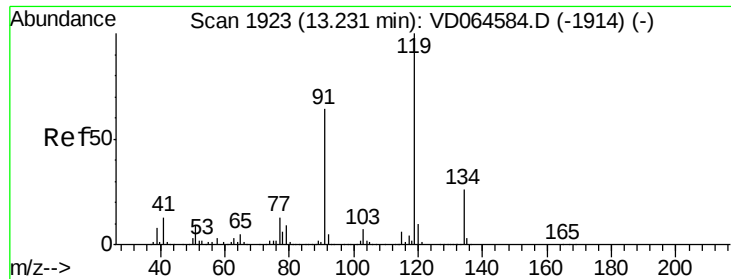
Tgt Ion: 91 Resp: 246250

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.5

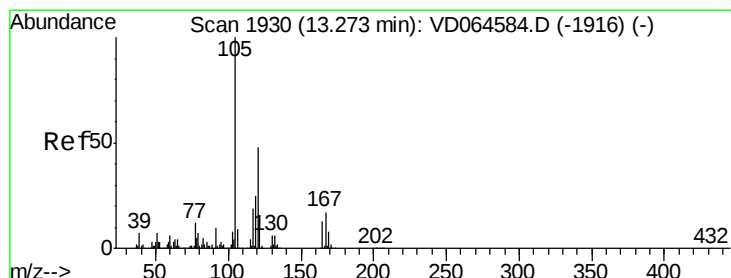
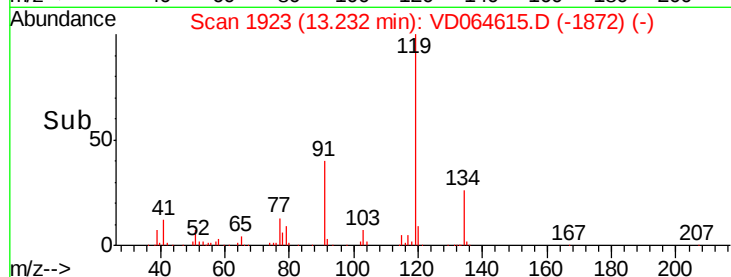
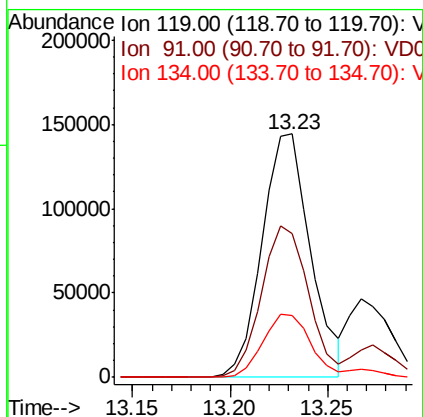
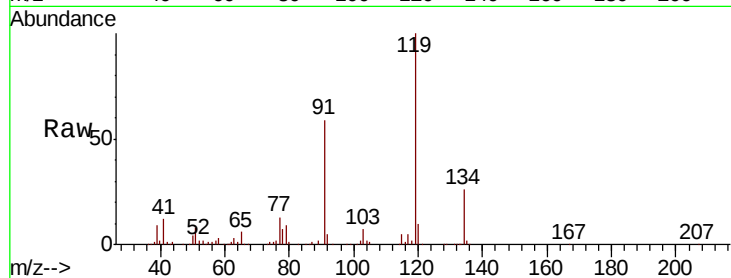




#83
tert-Butylbenzene
Concen: 19.918 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

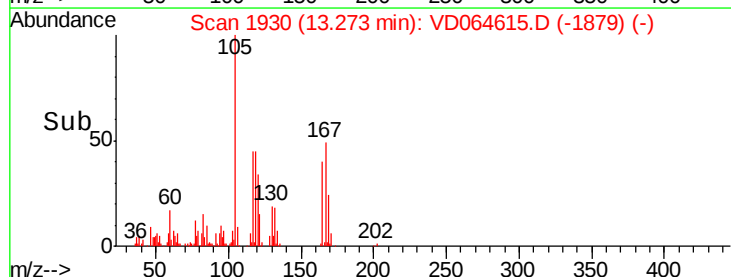
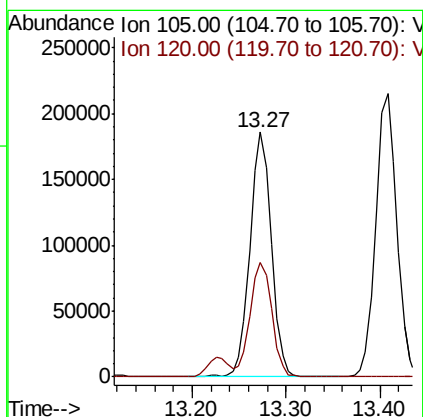
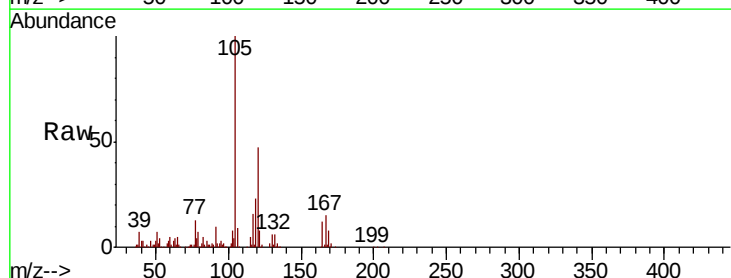
Instrument :
MSVOA_D
ClientSampleId :

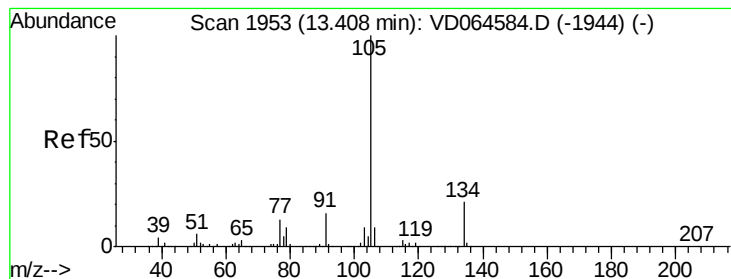
Tot Ion:119 Resp: 248455
Ion Ratio Lower Upper
119 100
91 60.6 30.8 92.4
134 27.8 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 20.524 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion:105 Resp: 293675
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.2





#85

sec-Butylbenzene

Concen: 19.432 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

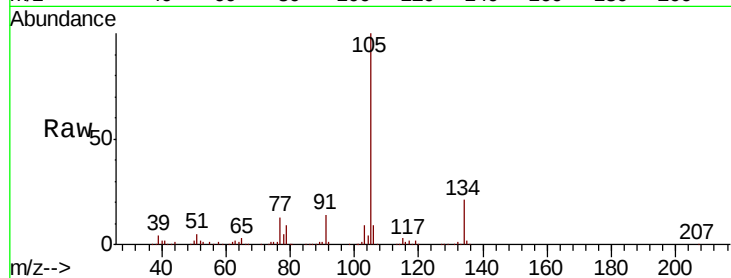
ClientSampleId :

Tot Ion:105 Resp: 332311

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

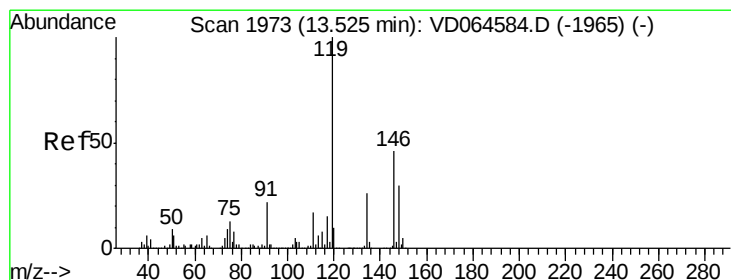
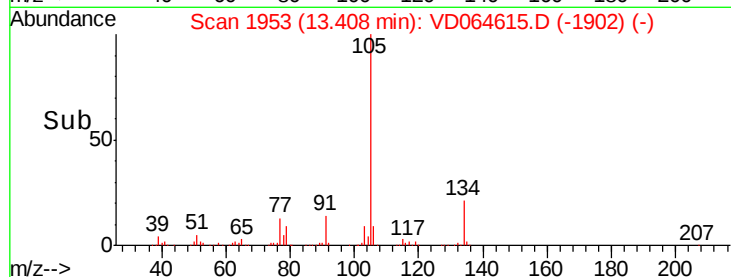
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.460 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

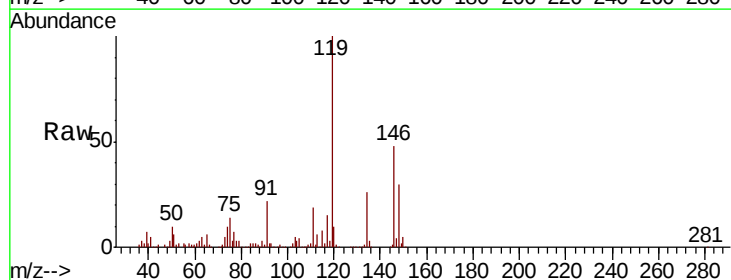
Tgt Ion:119 Resp: 318210

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.7 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

13.52

250000

200000

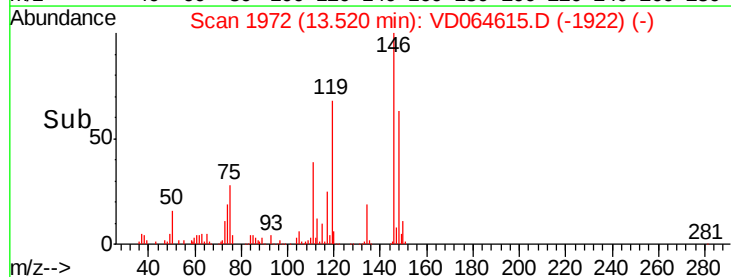
150000

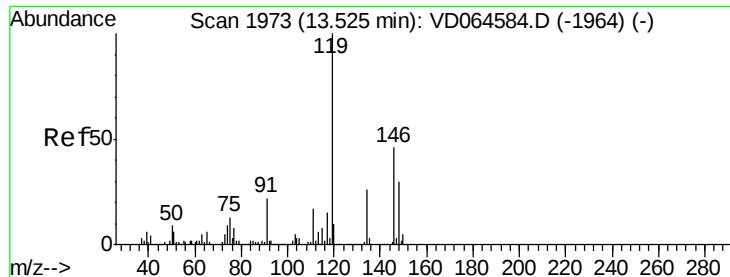
100000

50000

0

Time-->

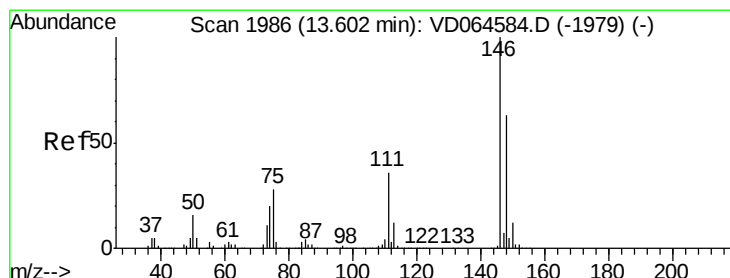
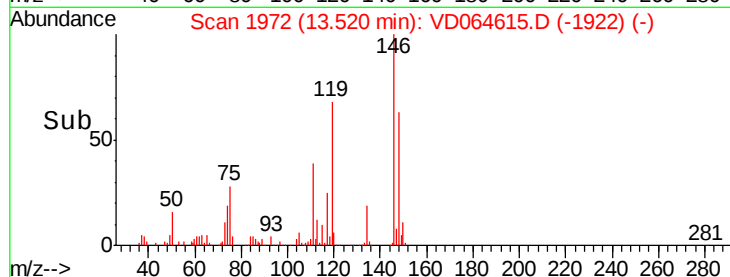
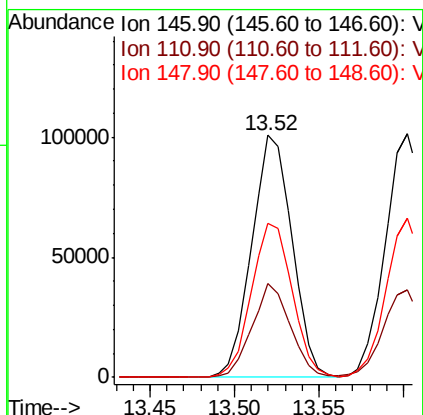
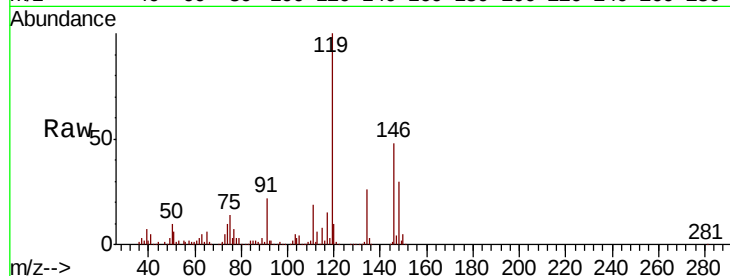




#87
 1,3-Dichlorobenzene
 Concen: 20.380 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

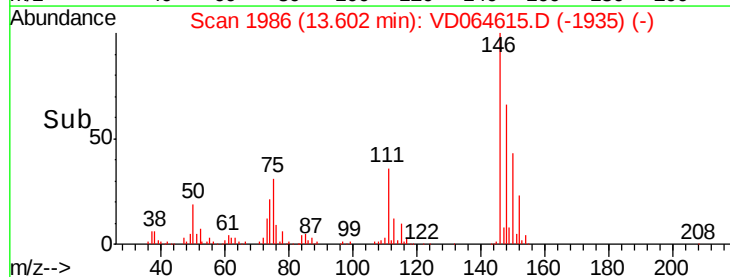
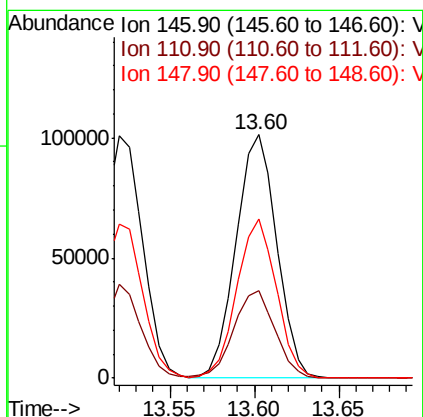
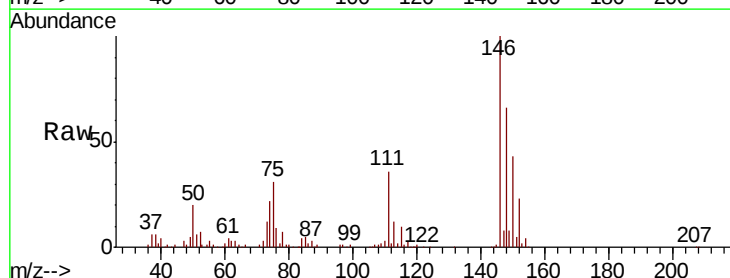
Instrument :
 MSVOA_D
 ClientSampled :

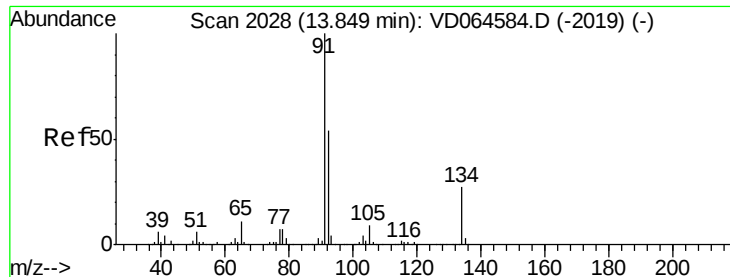
Tot Ion:146 Resp: 166966
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.4
 148 64.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.161 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion:146 Resp: 170306
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.1 54.1
 148 63.4 32.3 96.9

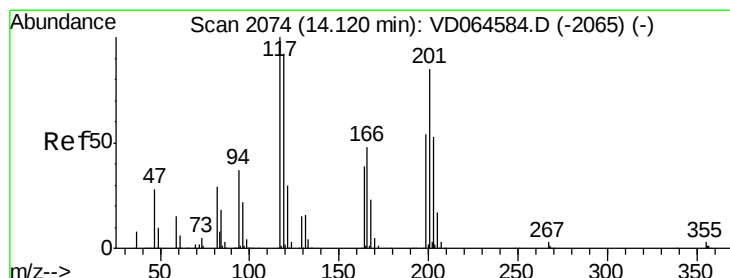
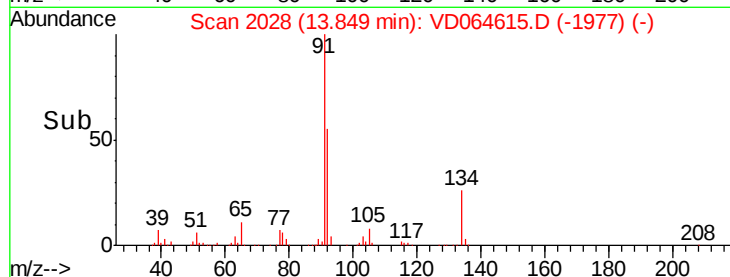
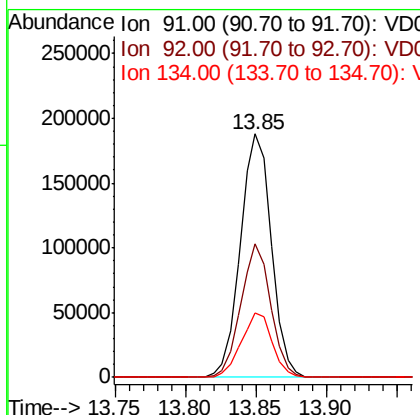
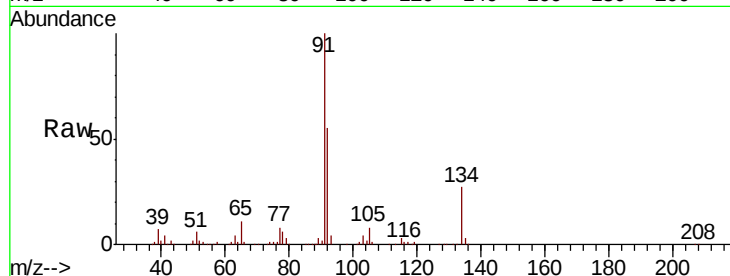




#89
n-Butylbenzene
Concen: 19.568 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

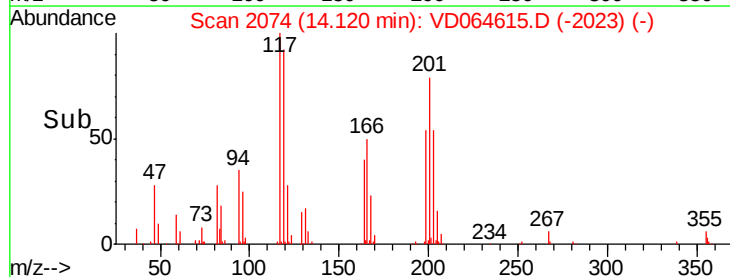
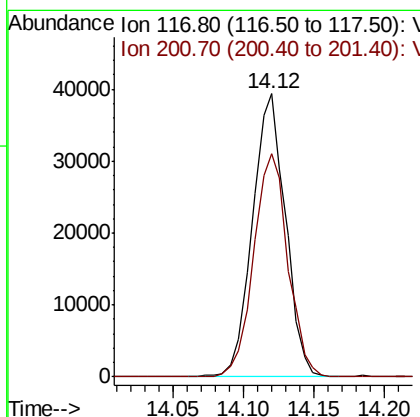
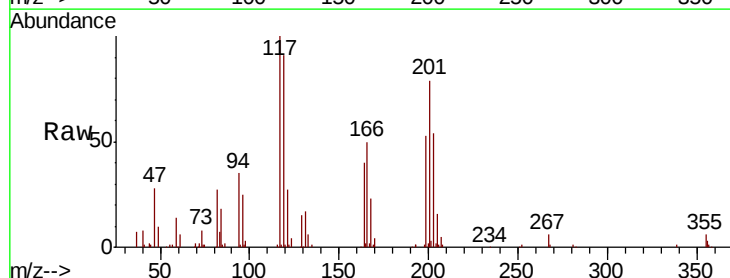
Instrument :
MSVOA_D
ClientSampleId :

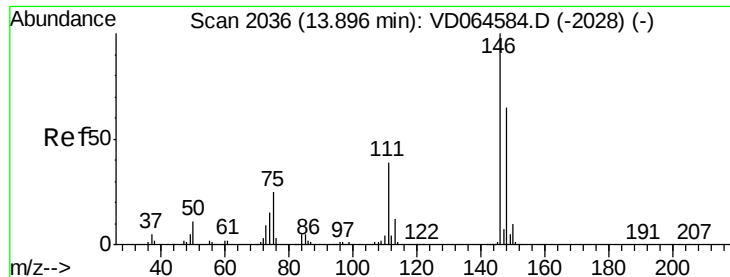
Tot Ion: 91 Resp: 288152
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.4
134 26.5 14.0 41.9



#90
Hexachloroethane
Concen: 20.731 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 117 Resp: 64756
Ion Ratio Lower Upper
117 100
201 81.5 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 21.224 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

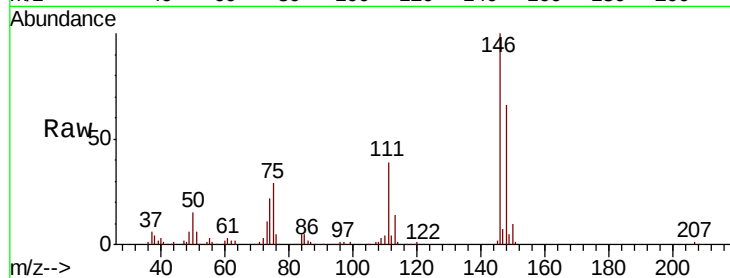
Tot Ion:146 Resp: 148264

Ion Ratio Lower Upper

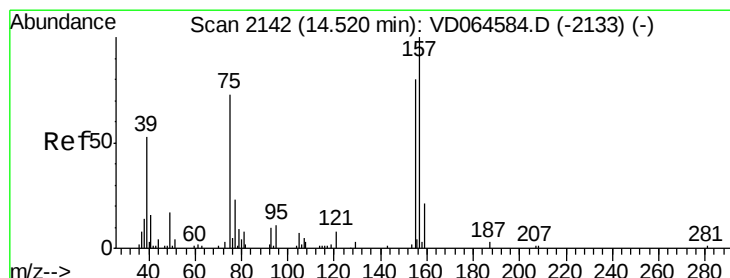
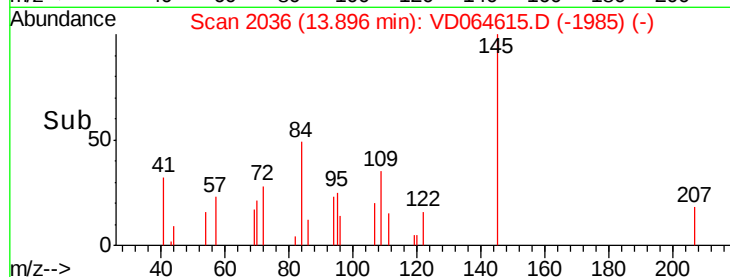
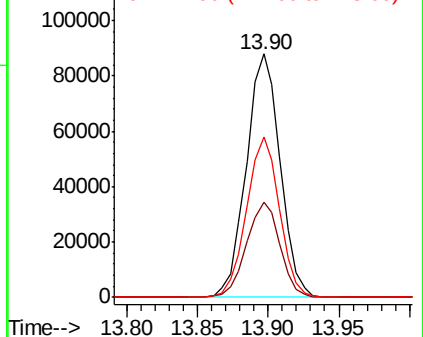
146 100

111 38.4 19.3 57.9

148 63.9 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: 21.260 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

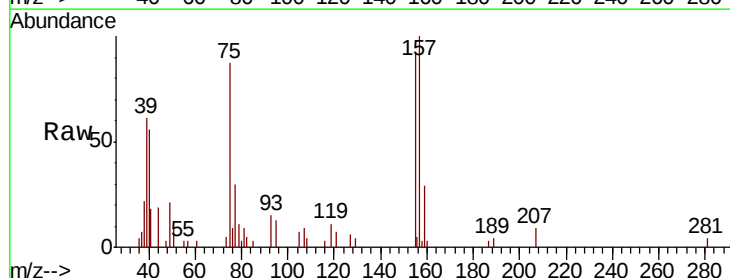
Tgt Ion: 75 Resp: 9469

Ion Ratio Lower Upper

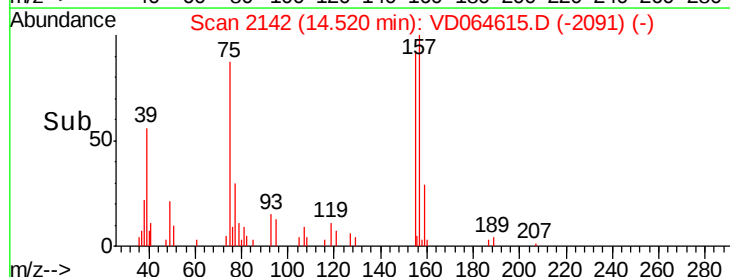
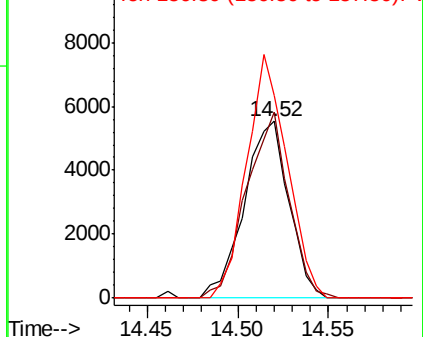
75 100

155 100.4 48.0 144.0

157 124.9 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

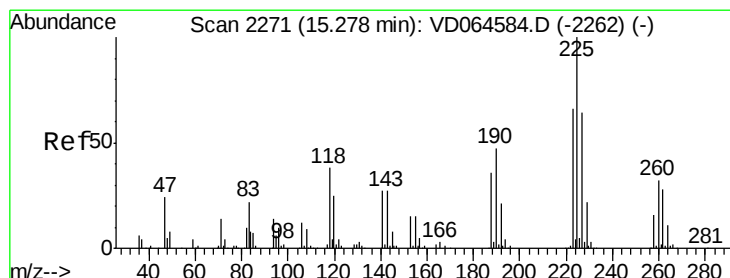
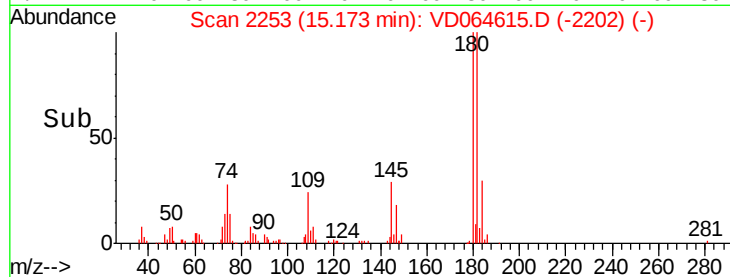
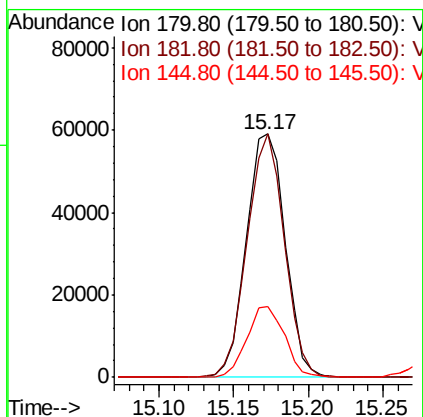
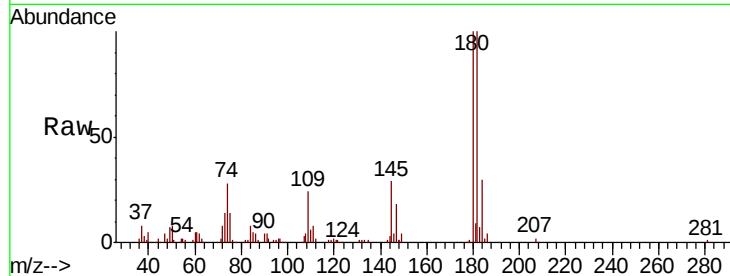




#93
 1,2,4-Trichlorobenzene
 Concen: 20.605 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

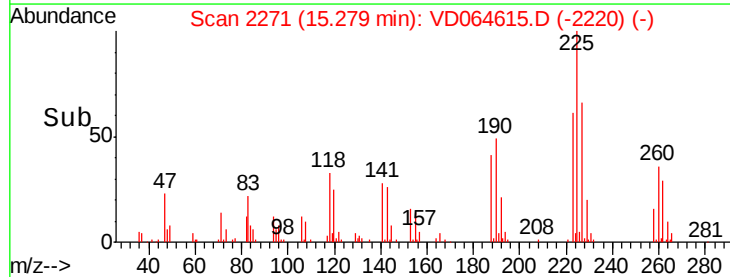
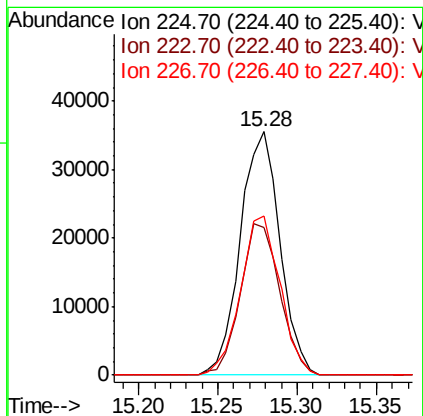
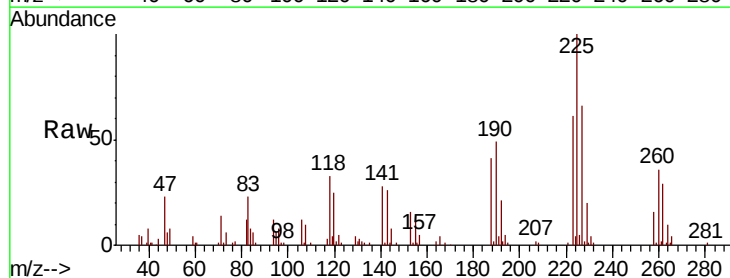
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	28.4	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 19.082 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.2
227	65.0	30.9	92.7





#95

Naphthalene

Concen: 21.449 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

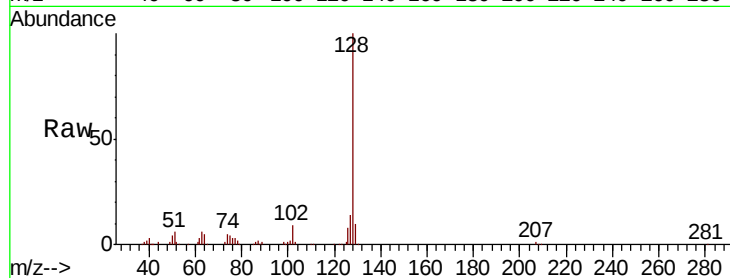
Tot Ion:128 Resp: 174541

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

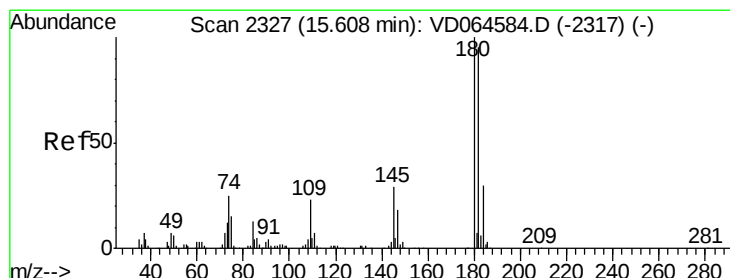
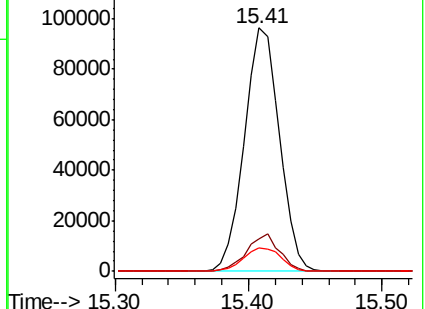
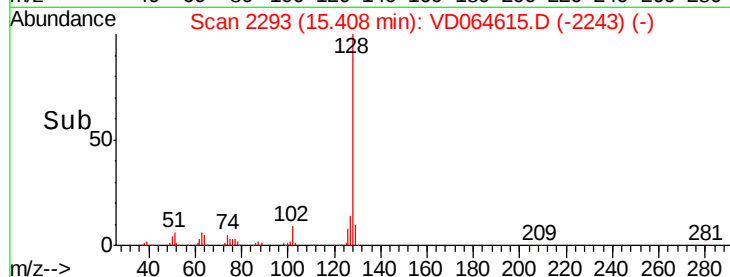
129 10.4 8.5 12.7



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: 20.942 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

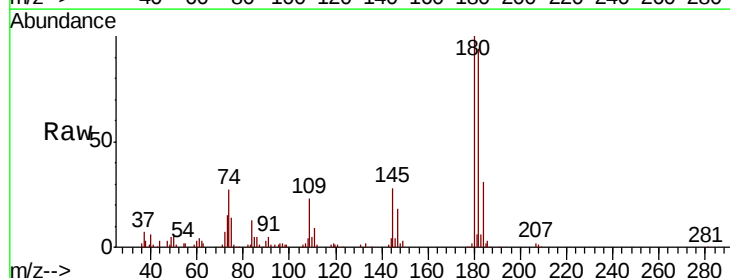
Tgt Ion:180 Resp: 91958

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 31.0 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

