

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064412.D
 Acq On : 04 Dec 2019 12:57
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:48:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	510027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	646836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	248714	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.91	113	252083	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.34	98	962319	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.64	95	303193	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102174	22.109	ug/l	97
3) Chloromethane	2.21	50	127379	21.853	ug/l	98
4) Vinyl Chloride	2.35	62	144078	21.408	ug/l	95
5) Bromomethane	2.76	94	95379	19.164	ug/l	95
6) Chloroethane	2.92	64	95314	21.189	ug/l	100
7) Trichlorofluoromethane	3.27	101	247723	22.142	ug/l	98
8) Diethyl Ether	3.71	74	47908	20.607	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	104879	21.863	ug/l	97
10) Methyl Iodide	4.30	142	101929	20.121	ug/l	97
11) Tert butyl alcohol	5.25	59	30197	102.759	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	103154	22.439	ug/l	95
13) Acrolein	3.93	56	38848	96.920	ug/l	96
14) Allyl chloride	4.71	41	159023	22.165	ug/l	99
15) Acrylonitrile	5.43	53	106620	104.874	ug/l	97
16) Acetone	4.17	43	96890	103.859	ug/l	99
17) Carbon Disulfide	4.40	76	323386	22.211	ug/l	99
18) Methyl Acetate	4.73	43	61620	22.644	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	220395	20.900	ug/l	99
20) Methylene Chloride	4.96	84	111780	21.003	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	112789	21.690	ug/l	91
22) Diisopropyl ether	6.37	45	305680	21.583	ug/l #	96
23) Vinyl Acetate	6.31	43	875969	104.910	ug/l	98
24) 1,1-Dichloroethane	6.27	63	187129	21.970	ug/l	98
25) 2-Butanone	7.23	43	134669	102.075	ug/l	100
26) 2,2-Dichloropropane	7.21	77	166848	22.525	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	121626	21.454	ug/l	99
28) Bromochloromethane	7.55	49	49138	16.881	ug/l	98
29) Tetrahydrofuran	7.57	42	85386	101.725	ug/l	98
30) Chloroform	7.71	83	191932	21.758	ug/l	99
31) Cyclohexane	7.98	56	182074	21.907	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	177157	21.662	ug/l	99
36) 1,1-Dichloropropene	8.11	75	154680	22.060	ug/l	99
37) Ethyl Acetate	7.30	43	61442	20.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	162517	21.961	ug/l	97

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 Data File : VD064412.D
 Acq On : 04 Dec 2019 12:57
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:48:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	192493	22.132	ug/l	97
40) Benzene	8.36	78	423229	21.733	ug/l	99
41) Methacrylonitrile	7.53	41	34353	20.134	ug/l	88
42) 1,2-Dichloroethane	8.43	62	120302	21.183	ug/l	99
43) Isopropyl Acetate	8.46	43	123290	21.076	ug/l	98
44) Trichloroethene	9.11	130	128498	21.905	ug/l	97
45) 1,2-Dichloropropane	9.39	63	98329	21.112	ug/l	97
46) Dibromomethane	9.48	93	54731	20.821	ug/l	98
47) Bromodichloromethane	9.66	83	146576	21.701	ug/l	97
48) Methyl methacrylate	9.46	41	55231	20.633	ug/l	97
49) 1,4-Dioxane	9.47	88	13821	425.784	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	297083	102.639	ug/l	99
52) Toluene	10.40	92	268008	21.117	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	135942	21.119	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	164102	21.460	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	74485	20.694	ug/l	96
56) Ethyl methacrylate	10.67	69	93444	20.355	ug/l	97
57) 1,3-Dichloropropane	10.95	76	129178	21.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	189744	103.681	ug/l	100
59) 2-Hexanone	10.99	43	208593	103.859	ug/l	99
60) Dibromochloromethane	11.14	129	99844	20.459	ug/l	97
61) 1,2-Dibromoethane	11.25	107	75184	20.920	ug/l	98
64) Tetrachloroethene	10.88	164	108481	21.993	ug/l	94
65) Chlorobenzene	11.67	112	292171	21.657	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	108340	21.693	ug/l	98
67) Ethyl Benzene	11.75	91	515265	21.466	ug/l	99
68) m/p-Xylenes	11.86	106	395566	43.221	ug/l	100
69) o-Xylene	12.18	106	183318	21.688	ug/l	100
70) Styrene	12.20	104	313749	21.360	ug/l	100
71) Bromoform	12.37	173	59145	19.795	ug/l #	99
73) Isopropylbenzene	12.48	105	494953	22.737	ug/l	98
74) N-amyl acetate	12.30	43	105048	21.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79496	22.083	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	103660	41.645	ug/l #	100
77) Bromobenzene	12.77	156	121638	22.627	ug/l	99
78) n-propylbenzene	12.83	91	573926	22.850	ug/l	99
79) 2-Chlorotoluene	12.91	91	315768	22.848	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	400395	22.508	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25512	22.349	ug/l	96
82) 4-Chlorotoluene	13.01	91	326877	22.338	ug/l	99
83) tert-Butylbenzene	13.23	119	349960	22.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	401975	22.472	ug/l	98
85) sec-Butylbenzene	13.41	105	478628	22.549	ug/l	100
86) p-Isopropyltoluene	13.53	119	450339	22.473	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	228907	22.435	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	223241	22.162	ug/l	99
89) n-Butylbenzene	13.86	91	414532	22.779	ug/l	99
90) Hexachloroethane	14.12	117	84150	22.451	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	196181	22.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14803	25.361	ug/l	81

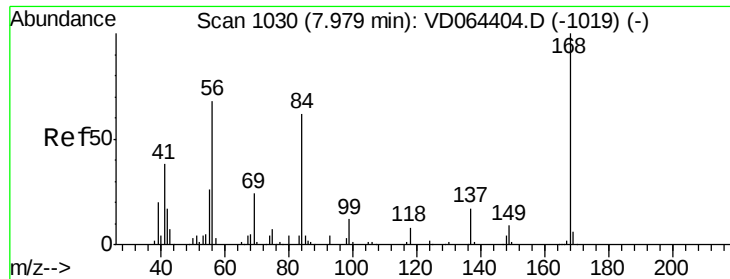
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
Data File : VD064412.D
Acq On : 04 Dec 2019 12:57
Operator : VA/SY
Sample : VD1204SBSD01
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 05 03:48:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	148128	22.182	ug/l	99
94) Hexachlorobutadiene	15.28	225	91586	22.216	ug/l	99
95) Naphthalene	15.41	128	243382	21.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	127790	22.418	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

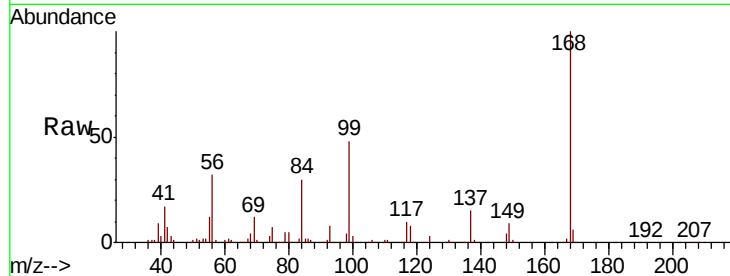
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 510027

Ion Ratio Lower Upper

168 100

99 48.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

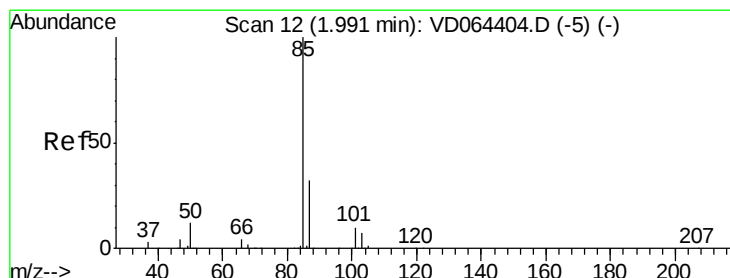
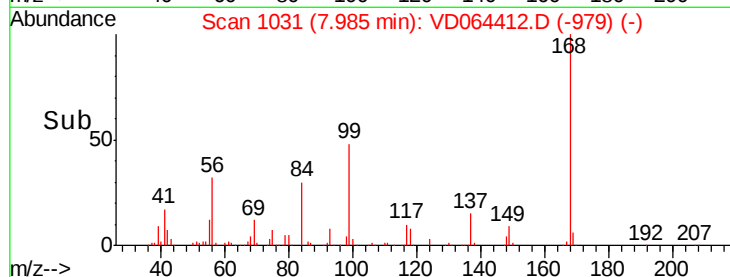
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.109 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064412.D

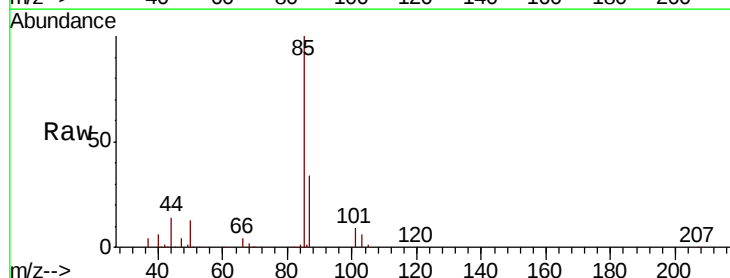
Acq: 04 Dec 2019 12:57

Tgt Ion: 85 Resp: 102174

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

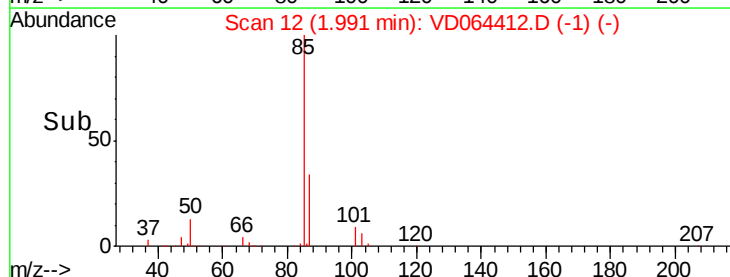
40000

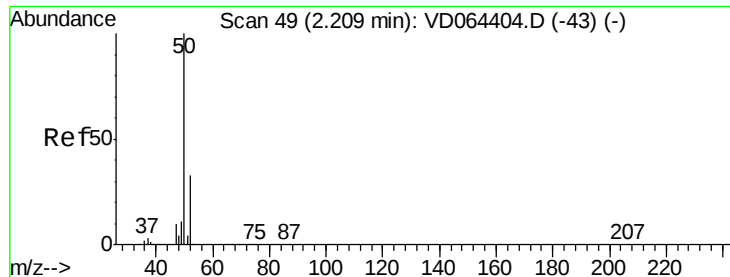
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.853 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

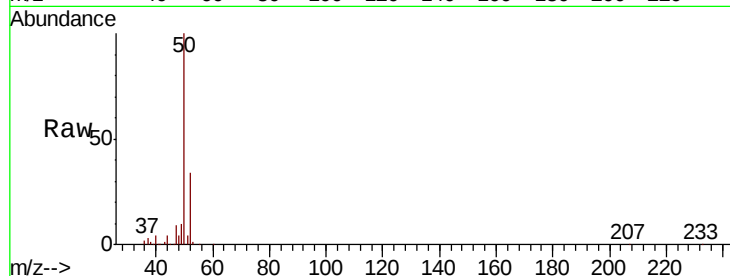
ClientSampleId :

Tot Ion: 50 Resp: 127379

Ion Ratio Lower Upper

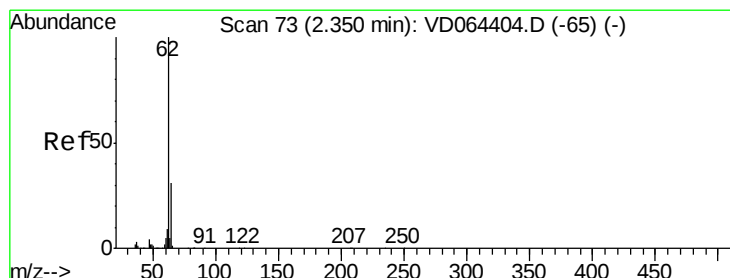
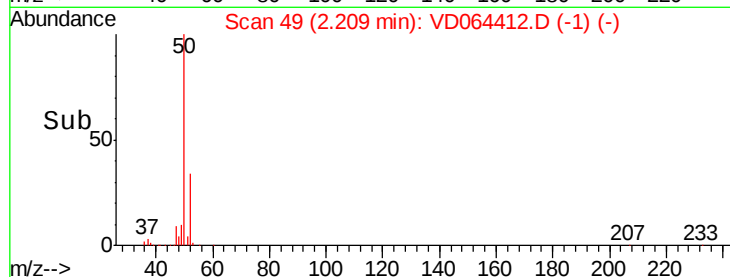
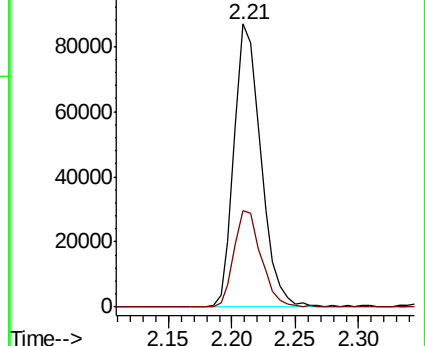
50 100

52 34.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.408 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064412.D

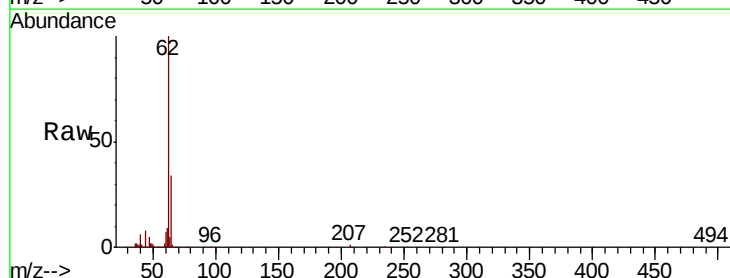
Acq: 04 Dec 2019 12:57

Tgt Ion: 62 Resp: 144078

Ion Ratio Lower Upper

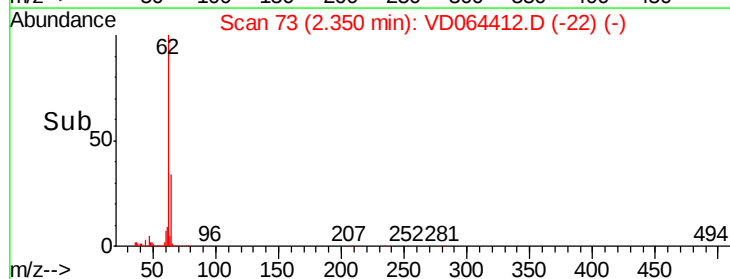
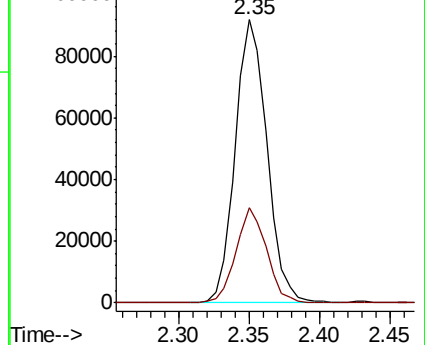
62 100

64 33.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.164 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

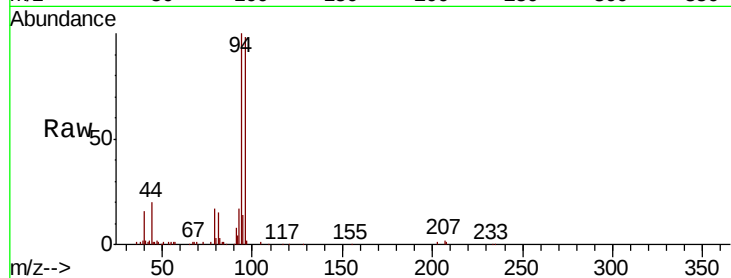
ClientSampleId :

Tot Ion: 94 Resp: 95379

Ion Ratio Lower Upper

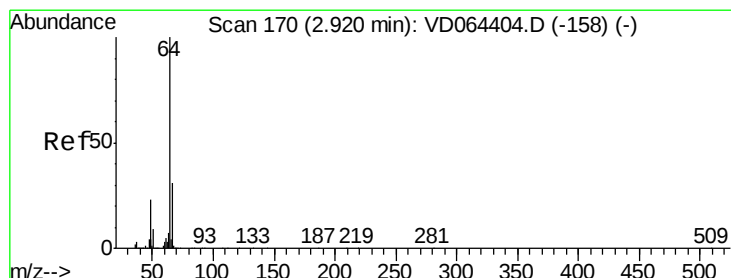
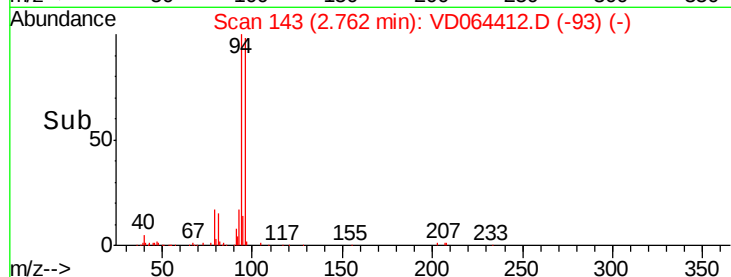
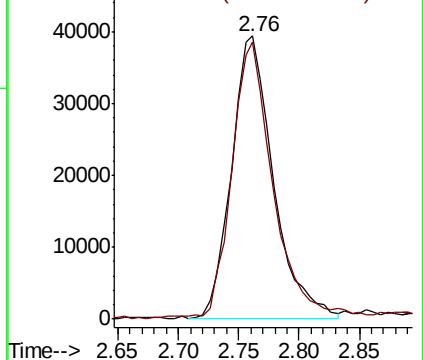
94 100

96 96.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.189 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064412.D

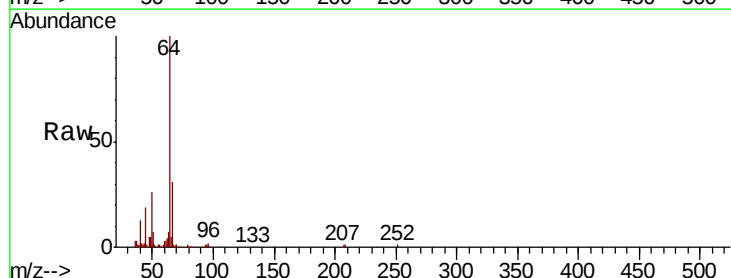
Acq: 04 Dec 2019 12:57

Tgt Ion: 64 Resp: 95314

Ion Ratio Lower Upper

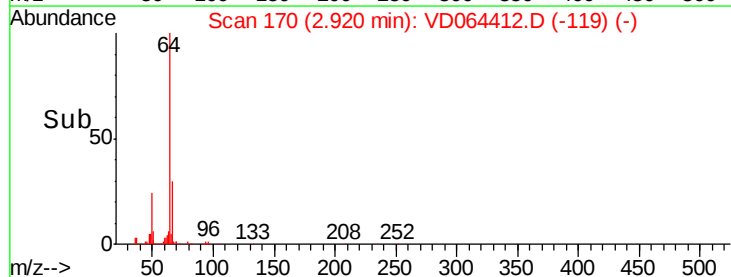
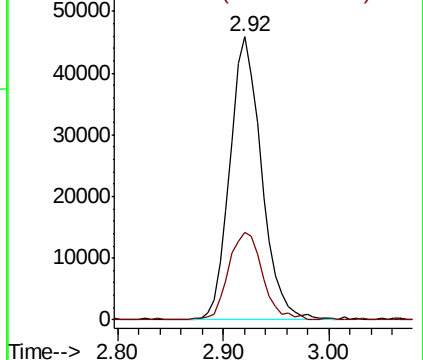
64 100

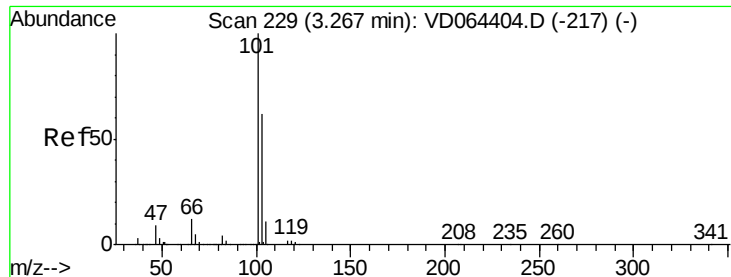
66 30.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



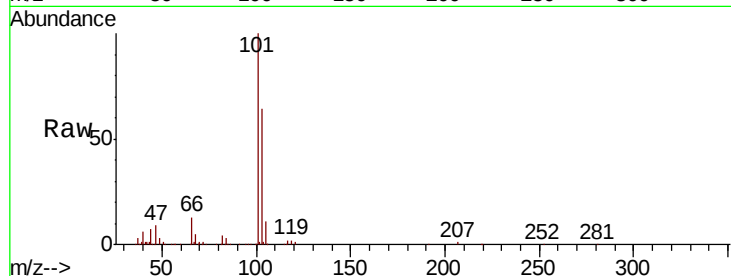


#7

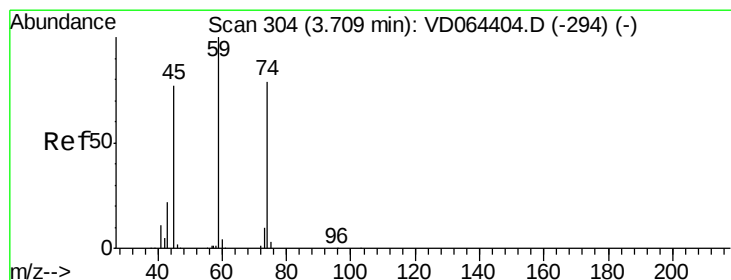
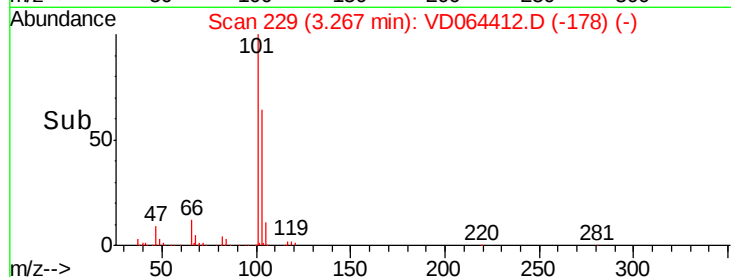
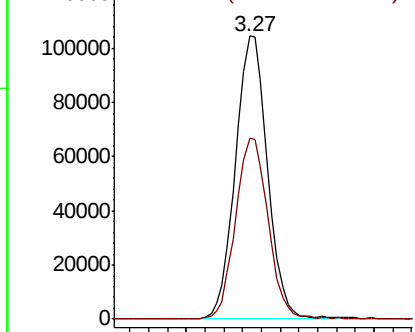
Trichlorofluoromethane
 Concen: 22.142 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 247723
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.8 74.6



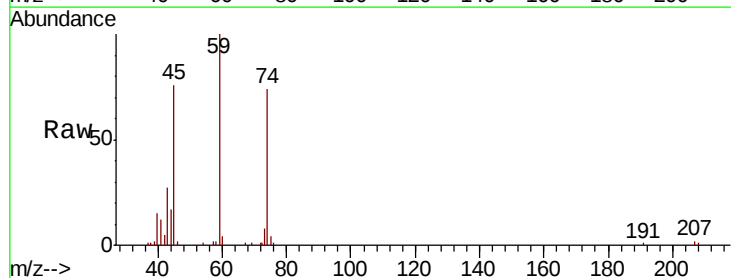
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



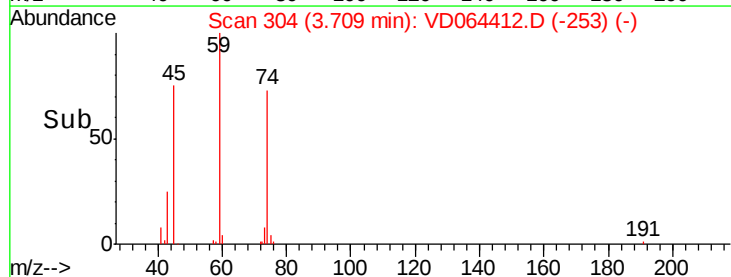
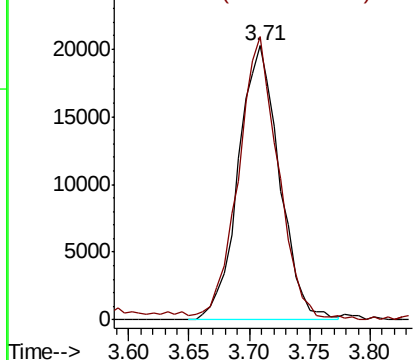
#8

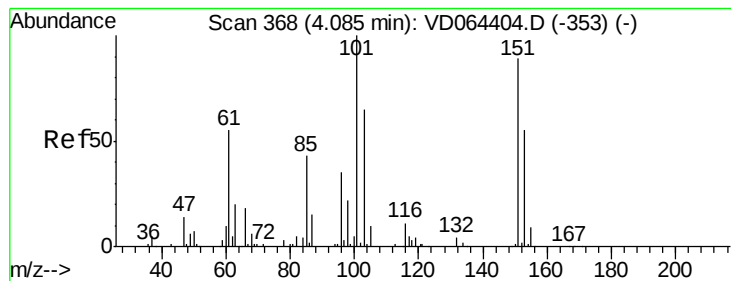
Diethyl Ether
 Concen: 20.607 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion: 74 Resp: 47908
 Ion Ratio Lower Upper
 74 100
 45 100.8 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.863 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

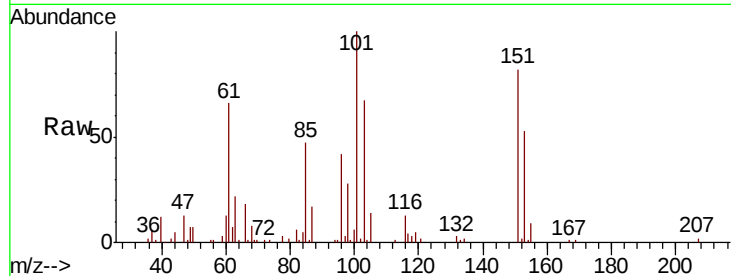
Tot Ion:101 Resp: 104879

Ion Ratio Lower Upper

101 100

85 45.6 34.8 52.2

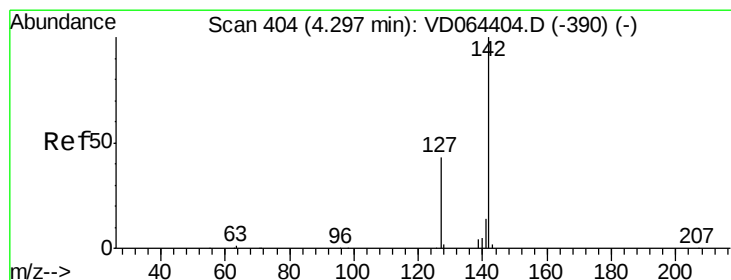
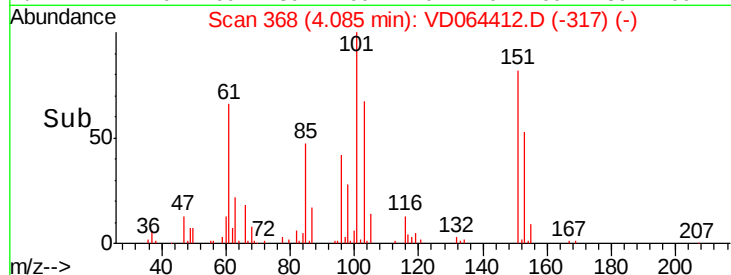
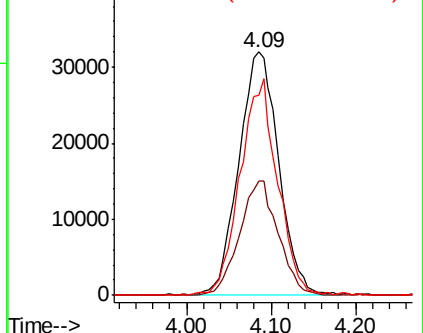
151 83.2 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.121 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

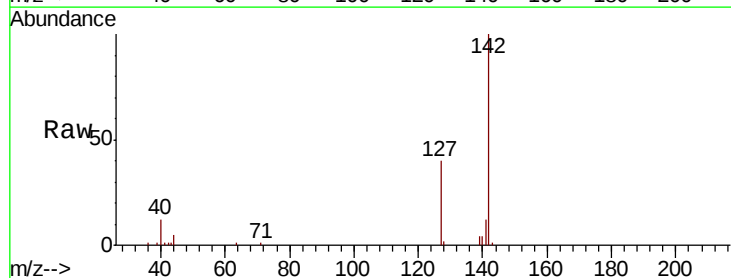
Tgt Ion:142 Resp: 101929

Ion Ratio Lower Upper

142 100

127 41.8 35.3 52.9

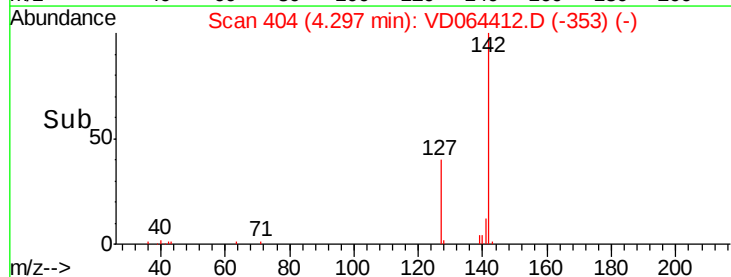
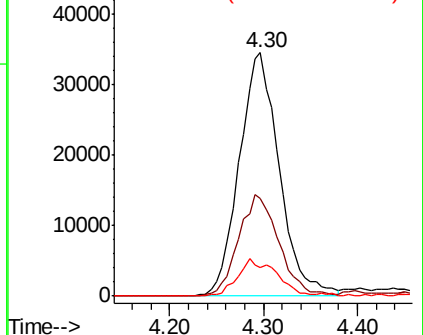
141 14.9 11.6 17.4

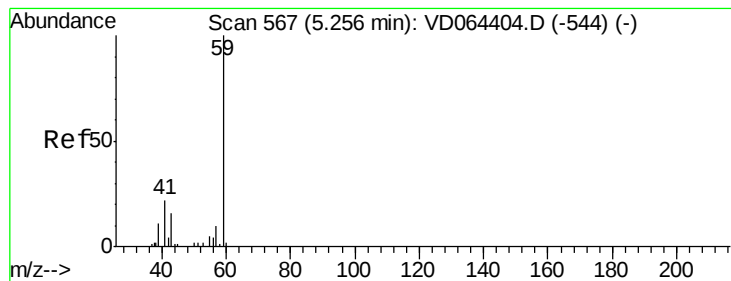


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



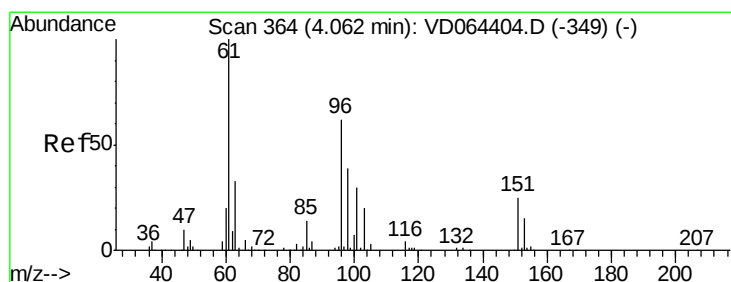
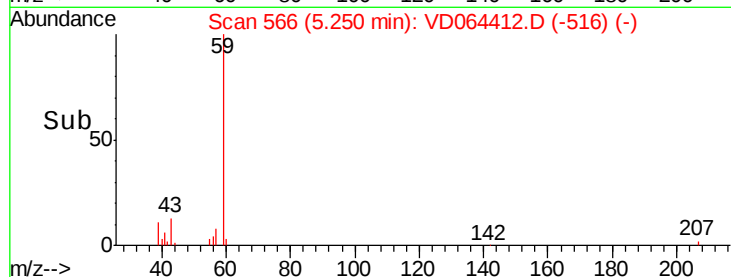
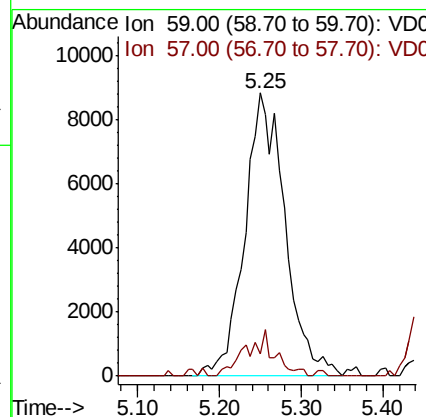
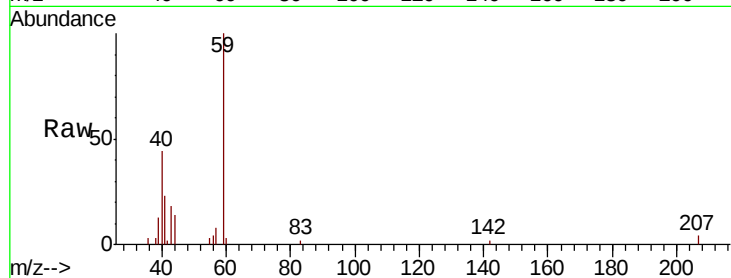


#11

Tert butyl alcohol
 Concen: 102.759 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :

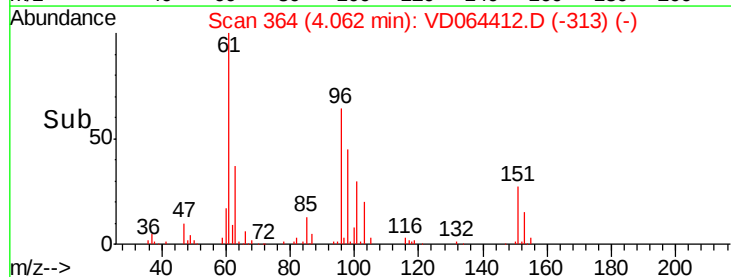
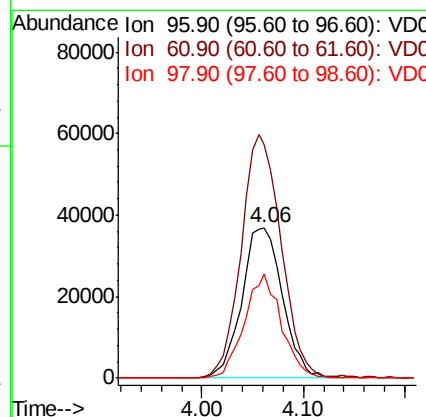
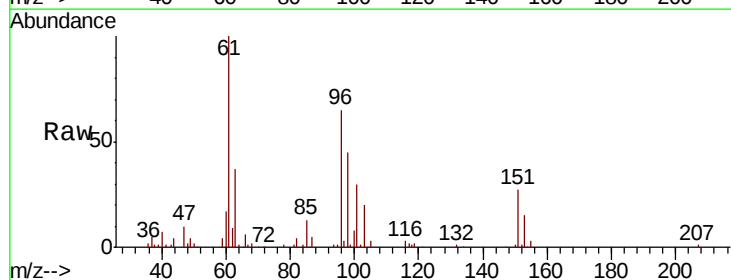
Tot Ion: 59 Resp: 30197
 Ion Ratio Lower Upper
 59 100
 57 7.3 0.0 0.0#

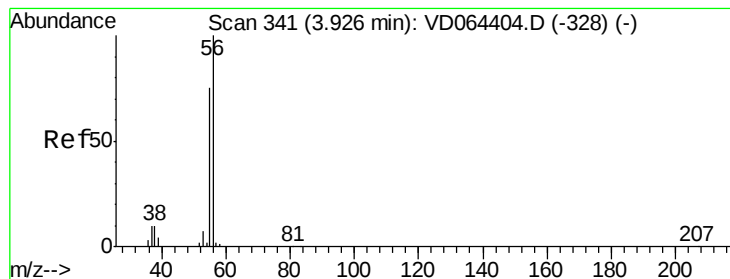


#12

1,1-Dichloroethene
 Concen: 22.439 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion: 96 Resp: 103154
 Ion Ratio Lower Upper
 96 100
 61 155.0 128.2 192.4
 98 69.2 50.4 75.6





#13

Acrolein

Concen: 96.920 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

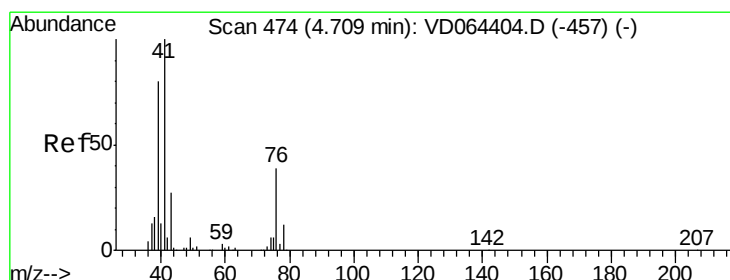
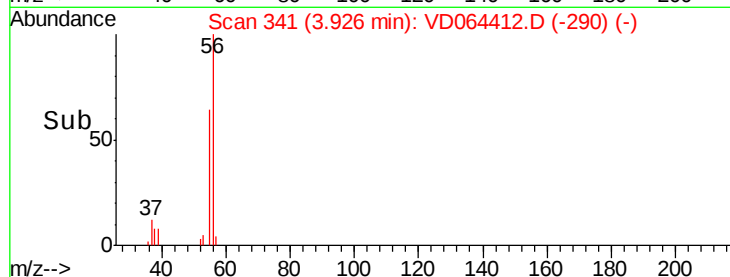
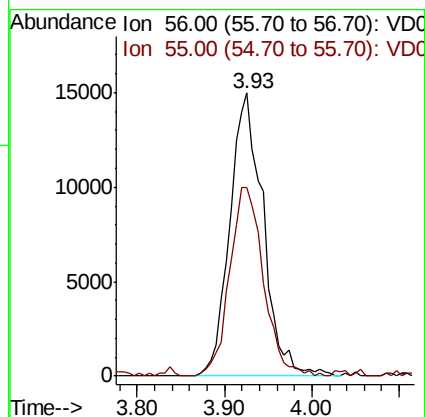
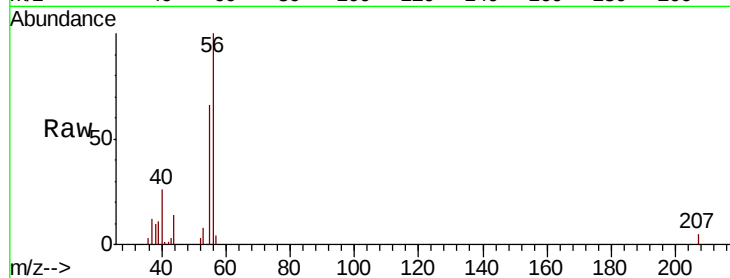
ClientSampleId :

Tot Ion: 56 Resp: 38848

Ion Ratio Lower Upper

56 100

55 67.7 56.9 85.3



#14

Allyl chloride

Concen: 22.165 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

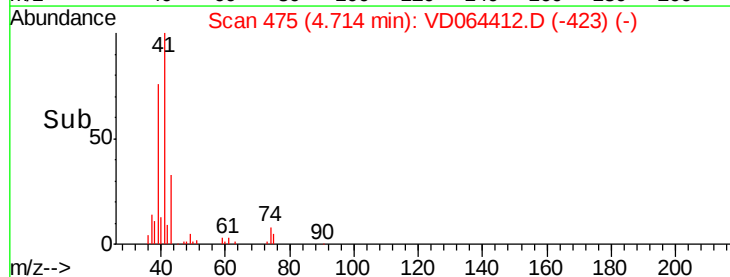
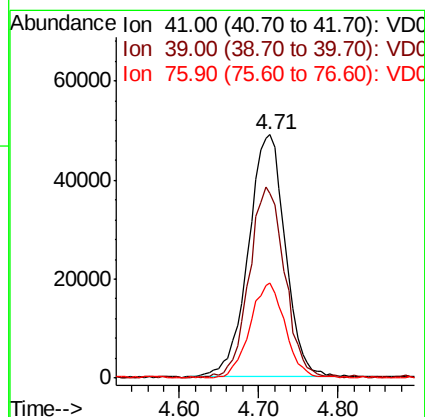
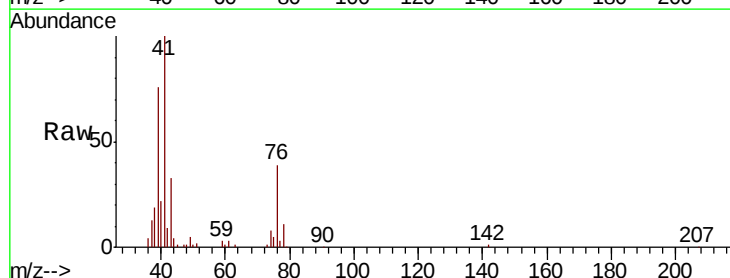
Tgt Ion: 41 Resp: 159023

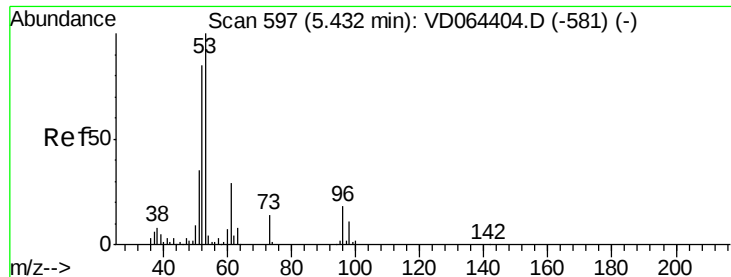
Ion Ratio Lower Upper

41 100

39 76.0 62.1 93.1

76 37.3 29.8 44.8





#15

Acrylonitrile

Concen: 104.874 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

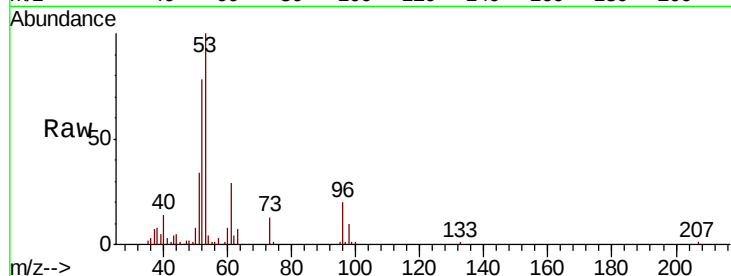
Tot Ion: 53 Resp: 106620

Ion Ratio Lower Upper

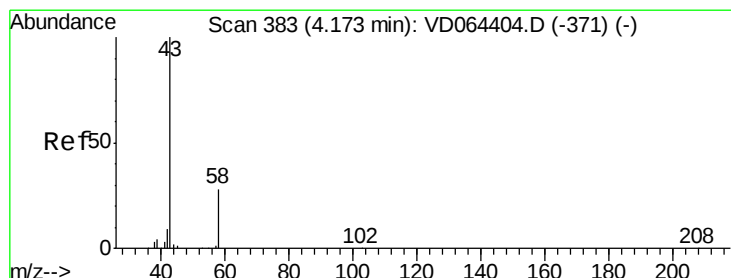
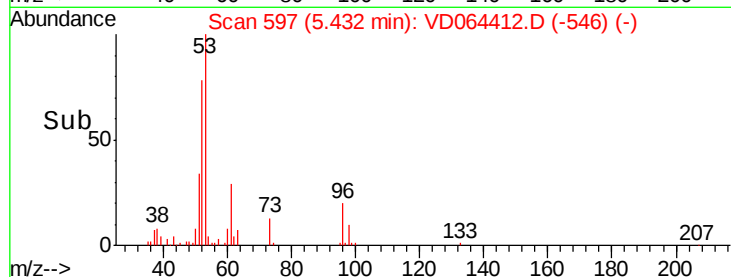
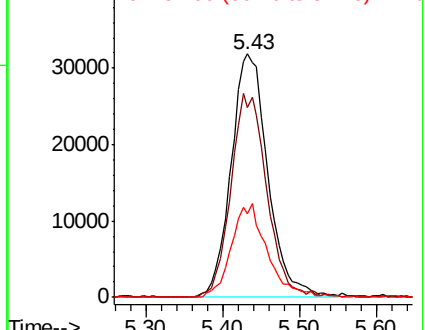
53 100

52 81.4 67.9 101.9

51 37.4 30.6 45.8



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: 103.859 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064412.D

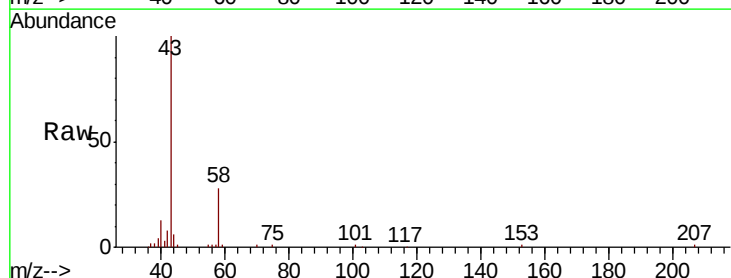
Acq: 04 Dec 2019 12:57

Tgt Ion: 43 Resp: 96890

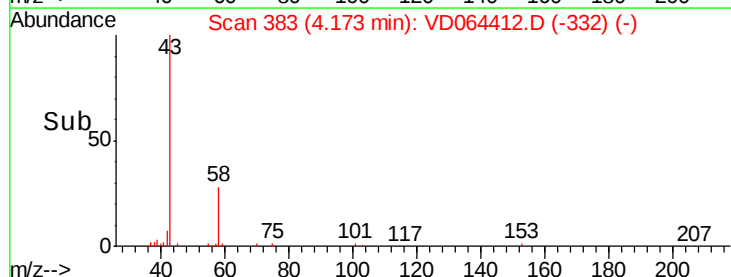
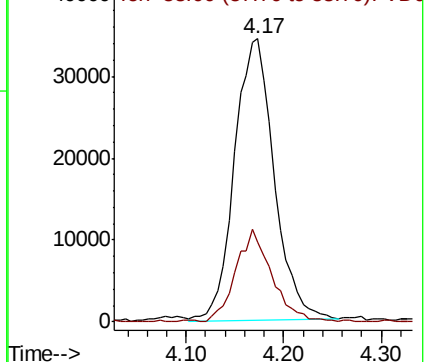
Ion Ratio Lower Upper

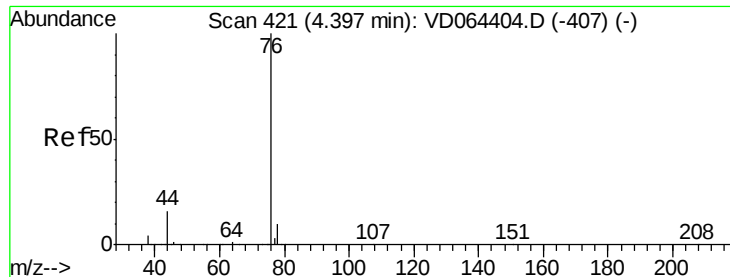
43 100

58 28.5 22.6 33.8



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

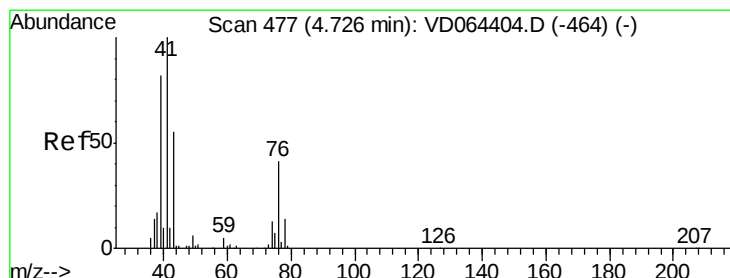
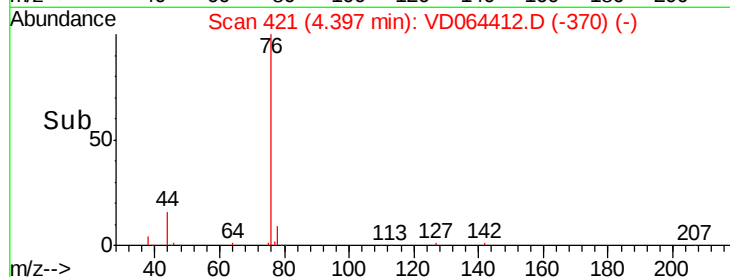
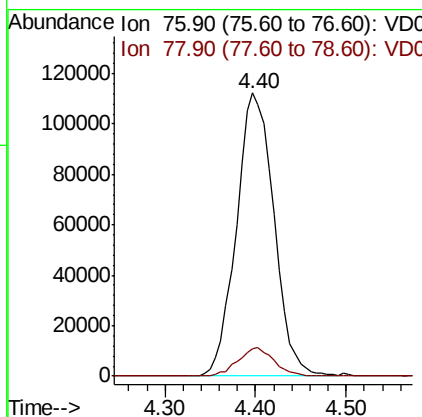
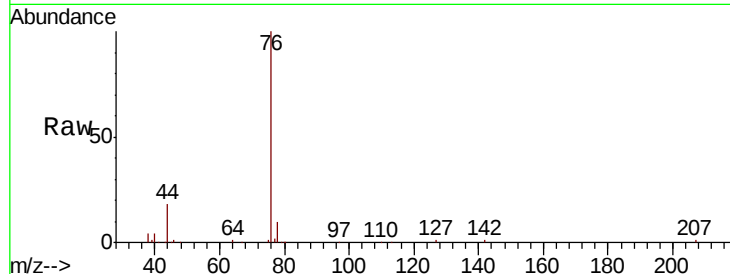




#17
Carbon Disulfide
Concen: 22.211 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

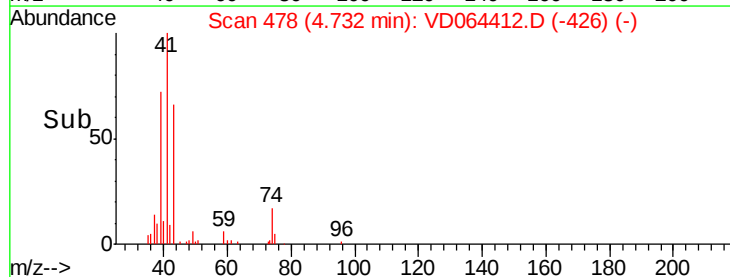
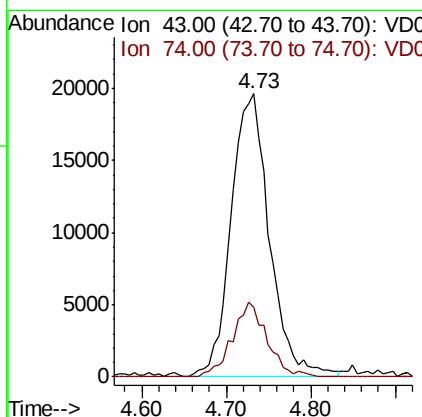
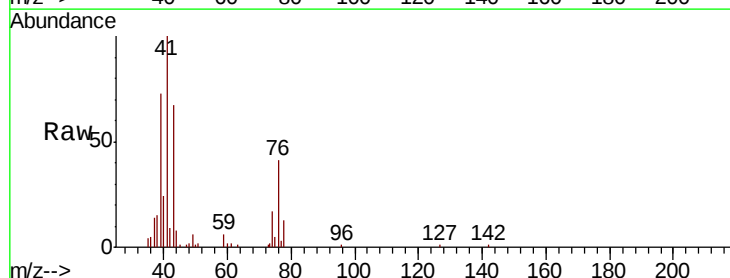
Instrument :
MSVOA_D
ClientSampleId :

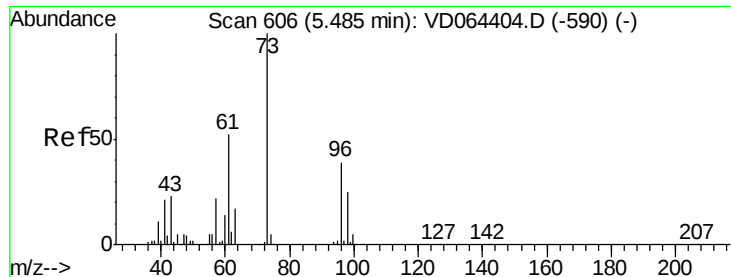
Tot Ion: 76 Resp: 323386
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.8



#18
Methyl Acetate
Concen: 22.644 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 43 Resp: 61620
Ion Ratio Lower Upper
43 100
74 23.9 19.7 29.5



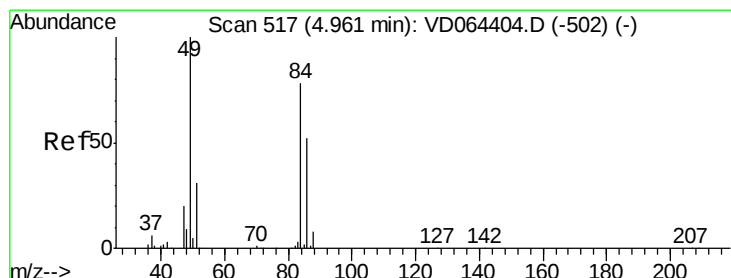
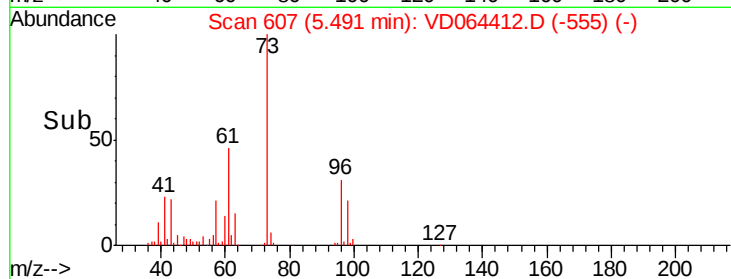
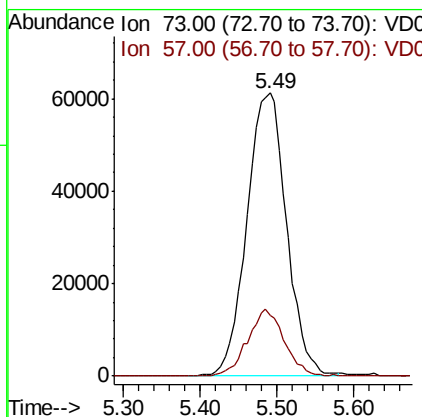
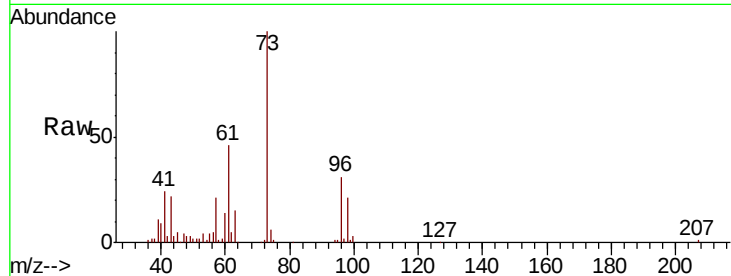


#19

Methyl tert-butyl Ether
 Concen: 20.900 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :

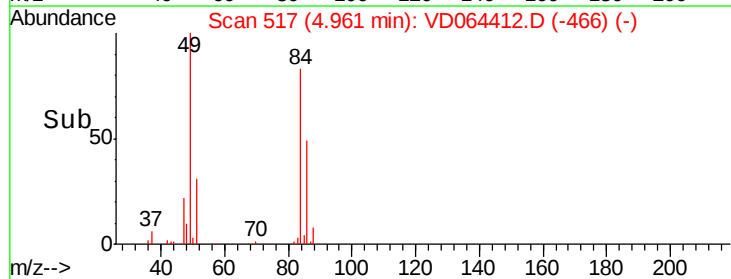
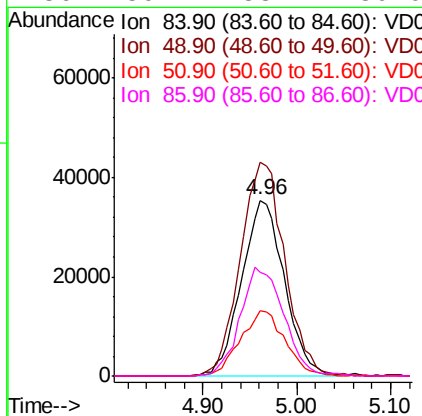
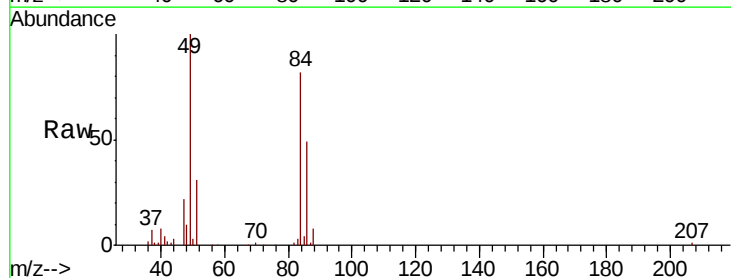
Tot Ion: 73 Resp: 220395
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.6 26.4

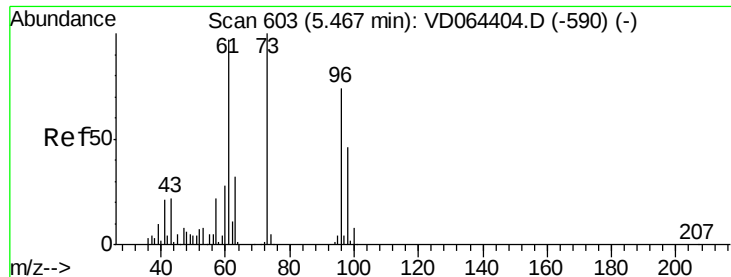


#20

Methylene Chloride
 Concen: 21.003 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion: 84 Resp: 111780
 Ion Ratio Lower Upper
 84 100
 49 121.7 102.6 153.8
 51 37.5 32.0 48.0
 86 59.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.690 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

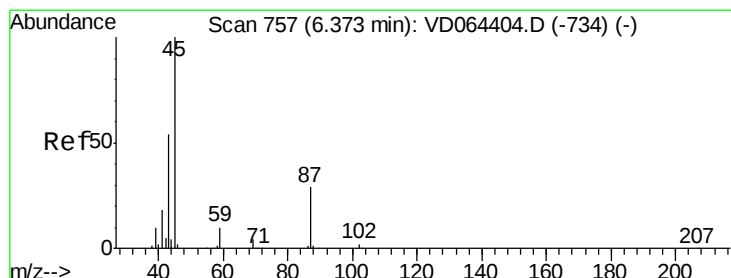
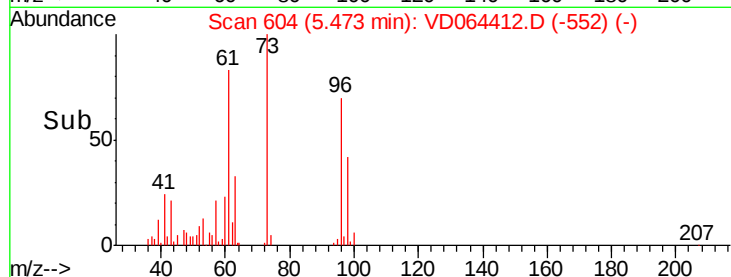
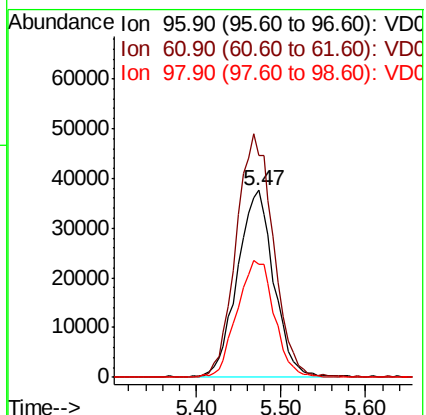
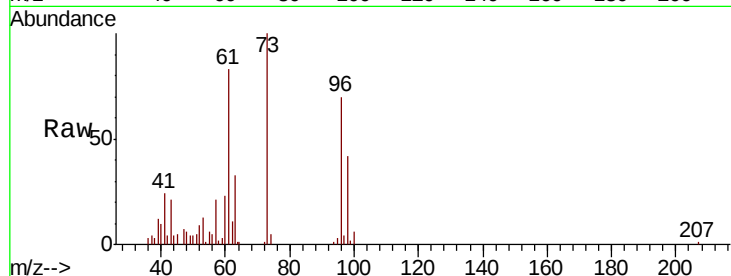
Tot Ion: 96 Resp: 112789

Ion Ratio Lower Upper

96 100

61 118.5 105.8 158.6

98 60.4 50.1 75.1



#22

Diisopropyl ether

Concen: 21.583 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion: 45 Resp: 305680

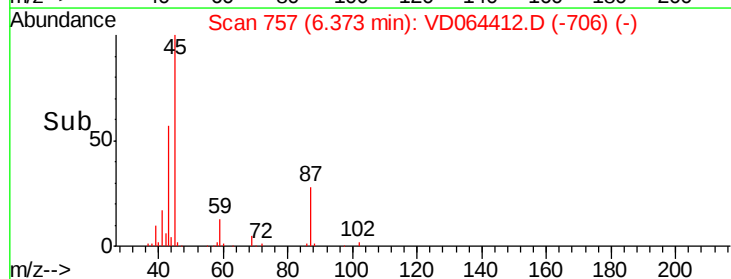
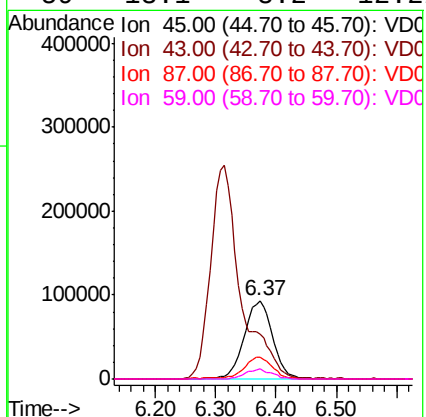
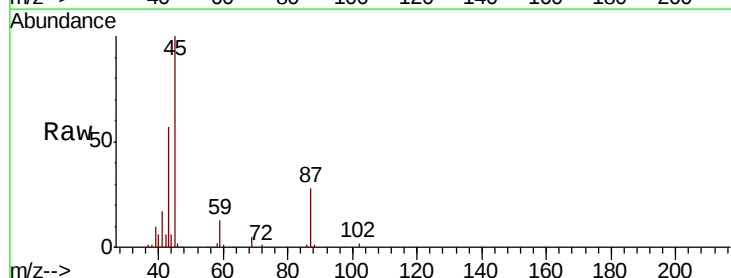
Ion Ratio Lower Upper

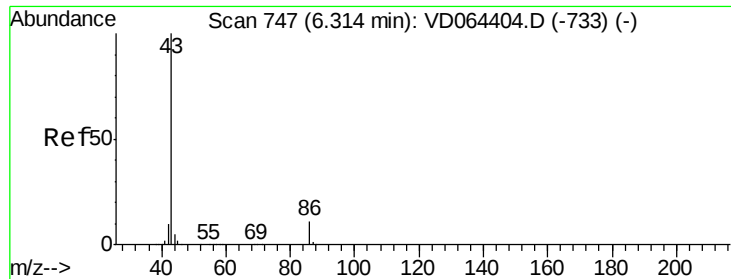
45 100

43 56.5 43.1 64.7

87 27.9 23.5 35.3

59 13.1 8.2 12.2#





#23

Vinyl Acetate

Concen: 104.910 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

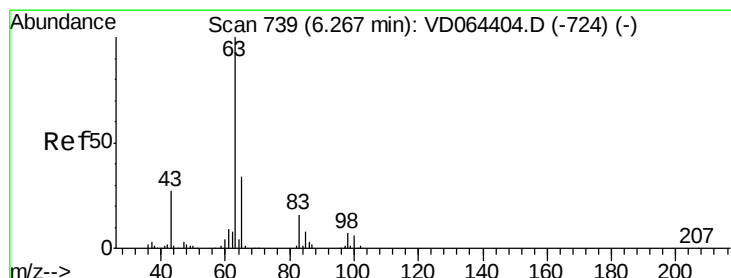
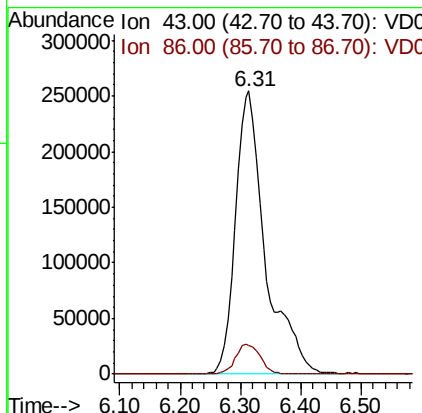
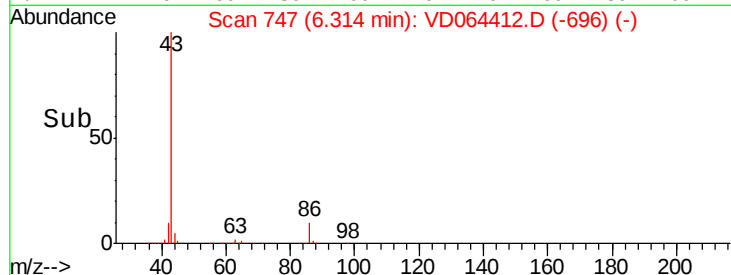
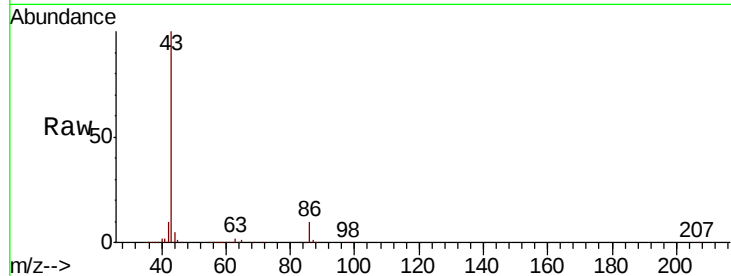
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 875969

Ion Ratio Lower Upper

43 100

86 10.2 8.9 13.3



#24

1,1-Dichloroethane

Concen: 21.970 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

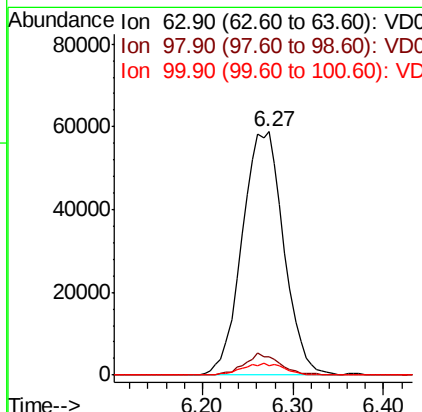
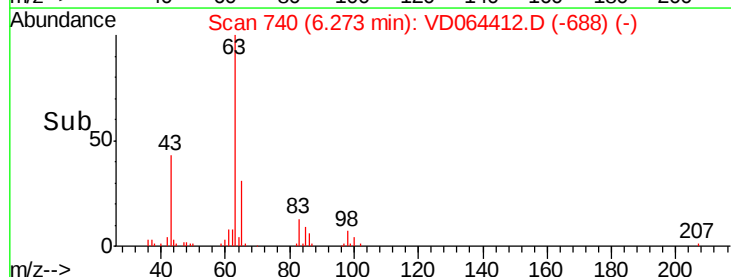
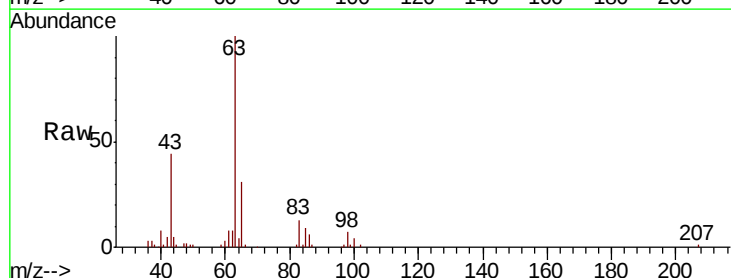
Tgt Ion: 63 Resp: 187129

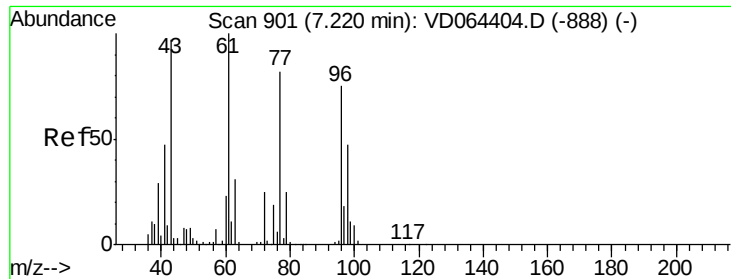
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 3.9 2.9 8.6





#25

2-Butanone

Concen: 102.075 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

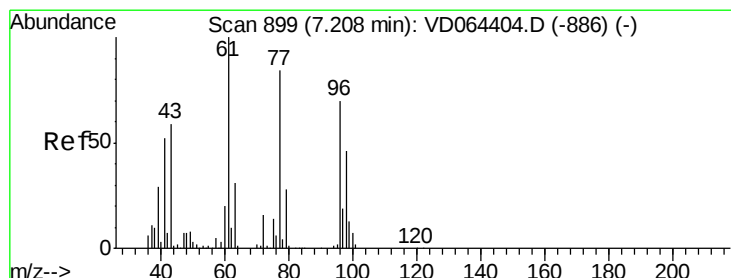
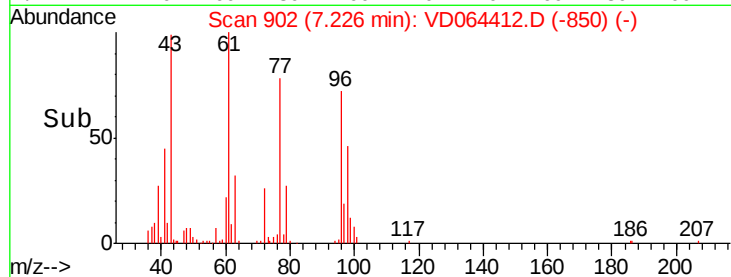
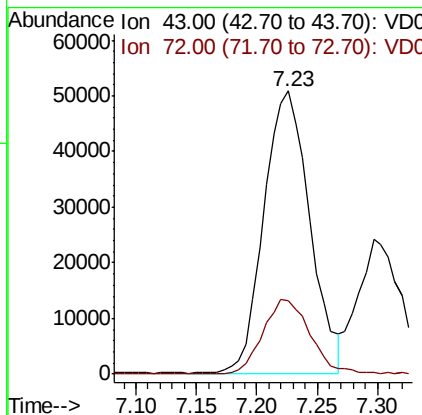
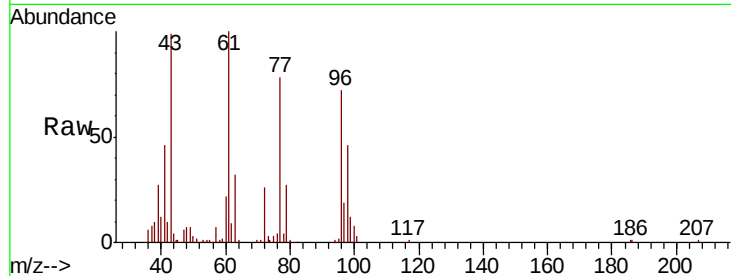
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 134669

Ion Ratio Lower Upper

43 100

72 26.0 21.0 31.4



#26

2,2-Dichloropropane

Concen: 22.525 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064412.D

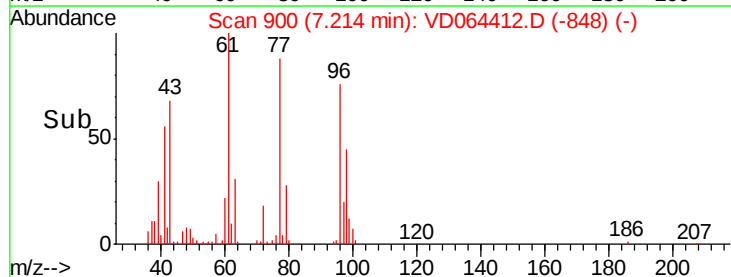
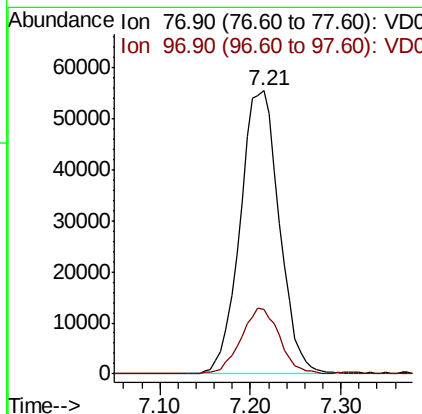
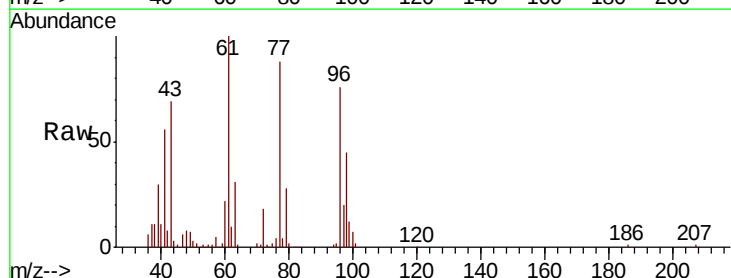
Acq: 04 Dec 2019 12:57

Tgt Ion: 77 Resp: 166848

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 21.454 ug/l

RT: 7.21 min Scan# 900

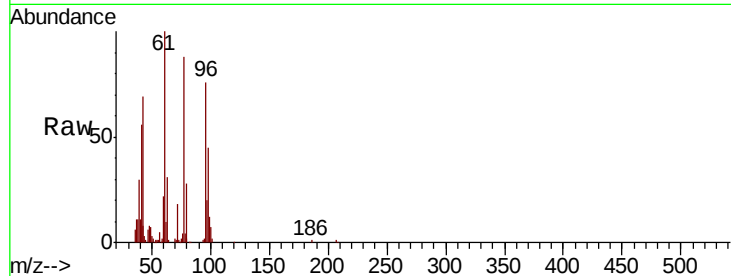
Delta R.T. 0.00 min

Lab File: VD064412.D

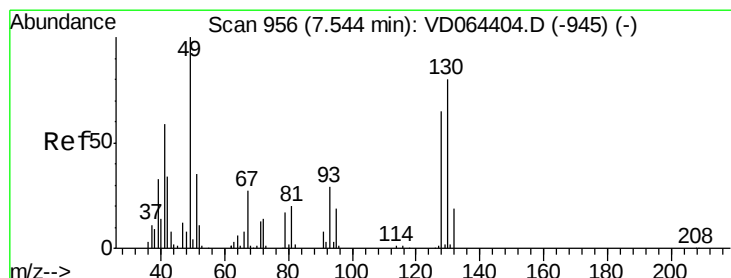
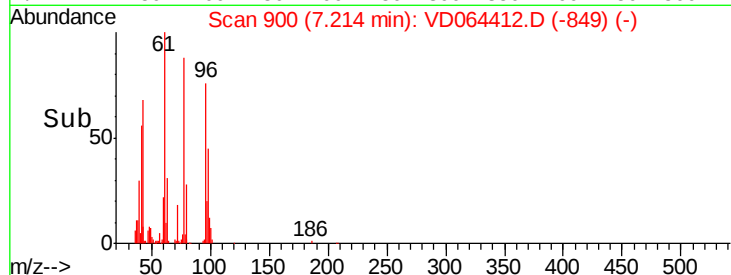
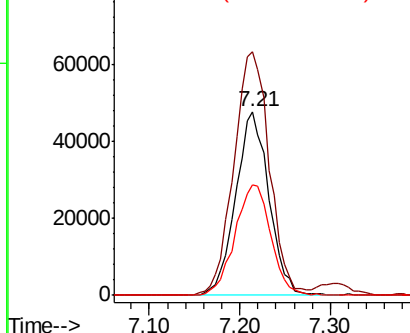
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	96	Resp:	121626
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	279.6
98	64.5	0.0	129.2



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



#28

Bromochloromethane

Concen: 16.881 ug/l

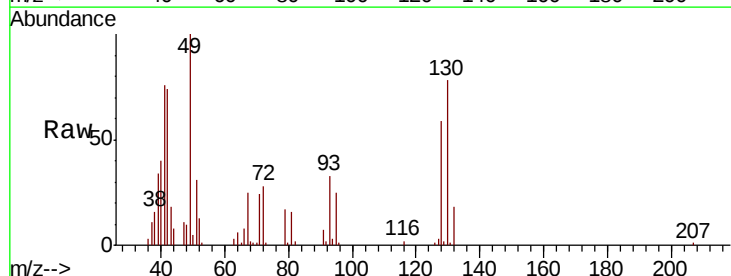
RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

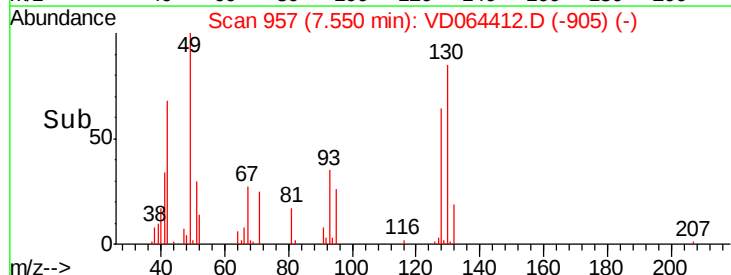
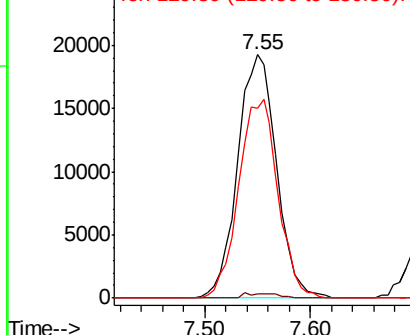
Lab File: VD064412.D

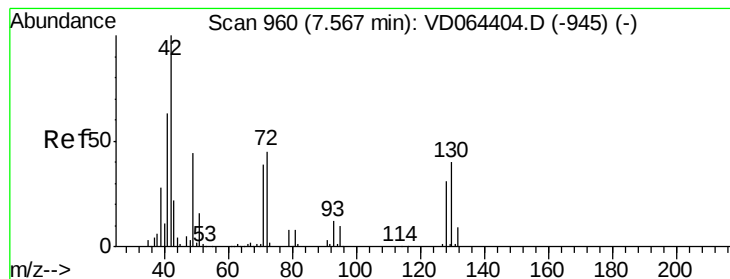
Acq: 04 Dec 2019 12:57

Tgt Ion:	49	Resp:	49138
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	82.6	67.4	101.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.725 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :

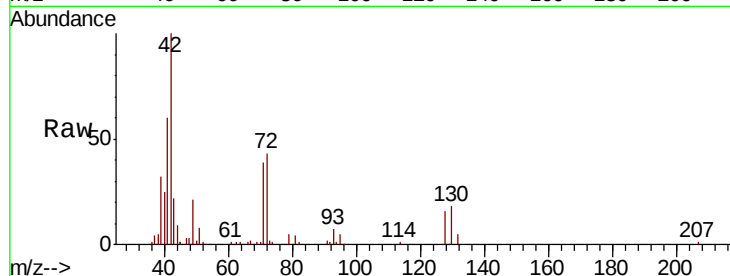
Tot Ion: 42 Resp: 85386

Ion Ratio Lower Upper

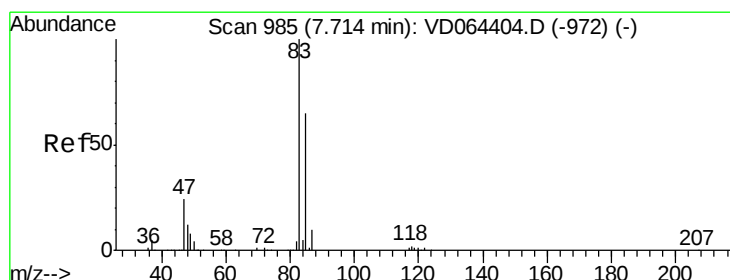
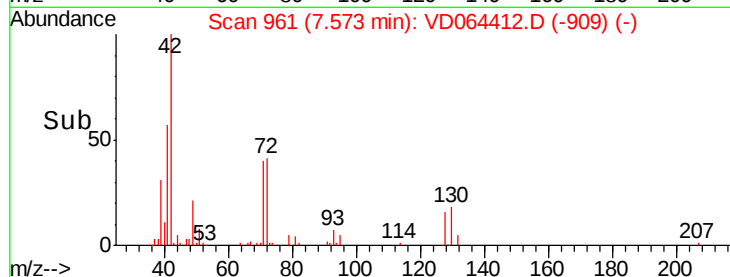
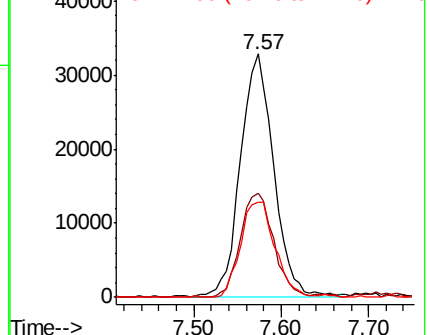
42 100

72 42.3 35.8 53.8

71 40.3 32.7 49.1



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



#30

Chloroform

Concen: 21.758 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064412.D

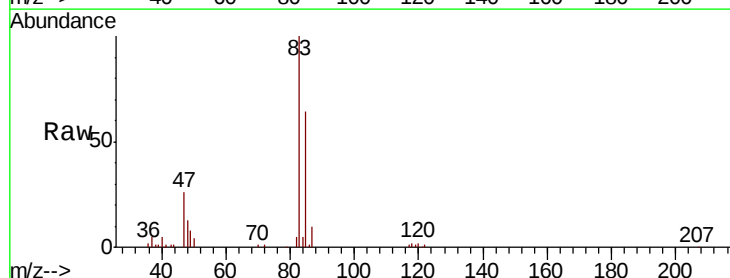
Acq: 04 Dec 2019 12:57

Tgt Ion: 83 Resp: 191932

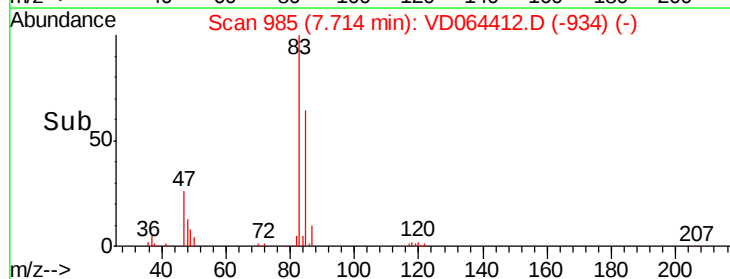
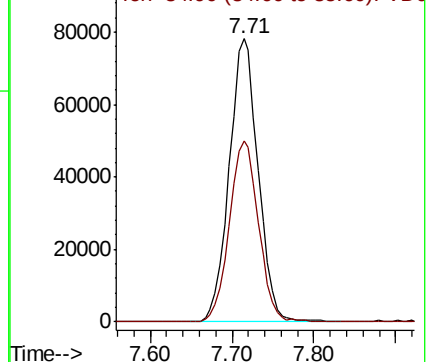
Ion Ratio Lower Upper

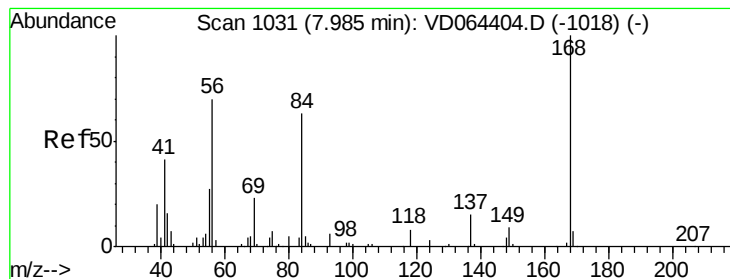
83 100

85 63.8 51.8 77.6



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





#31

Cyclohexane

Concen: 21.907 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :

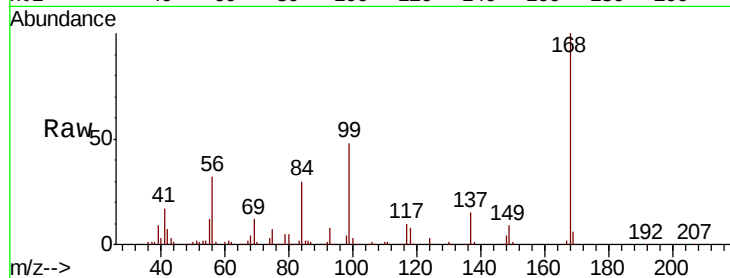
Tot Ion: 56 Resp: 182074

Ion Ratio Lower Upper

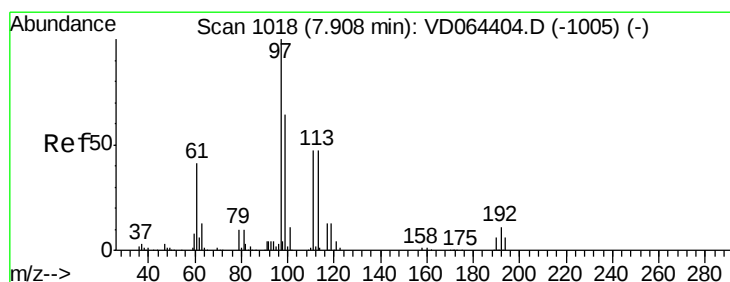
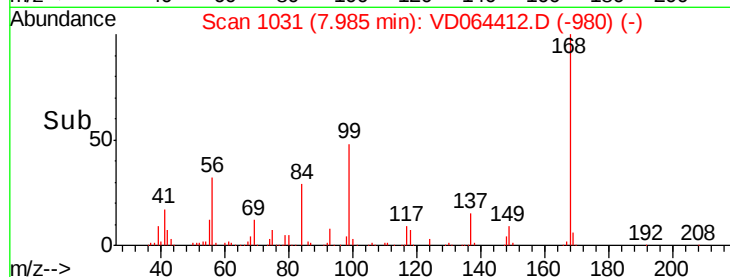
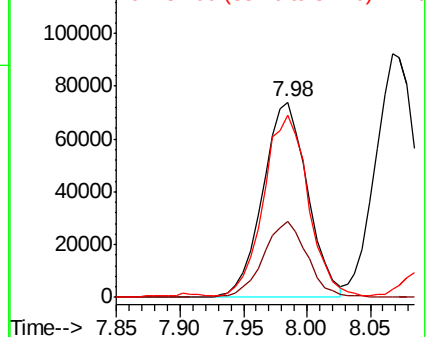
56 100

69 38.8 26.2 39.4

84 91.8 70.3 105.5



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



#32

1,1,1-Trichloroethane

Concen: 21.662 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

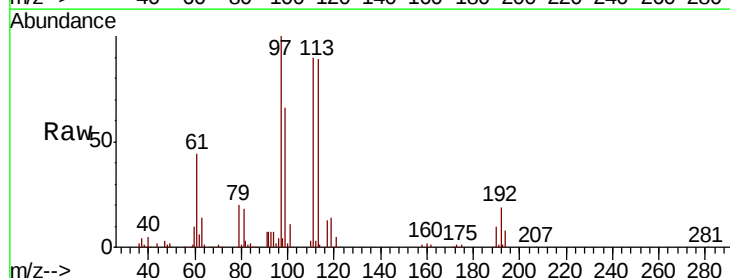
Tgt Ion: 97 Resp: 177157

Ion Ratio Lower Upper

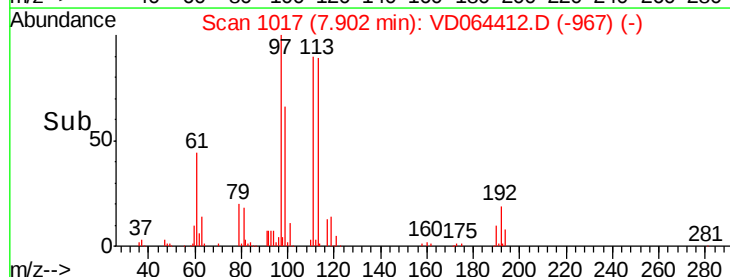
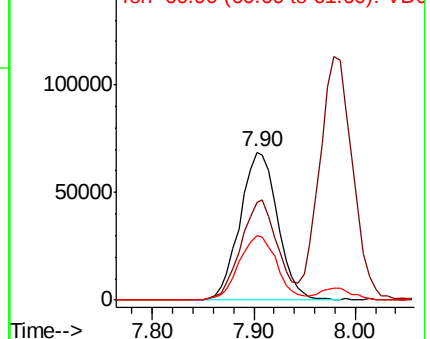
97 100

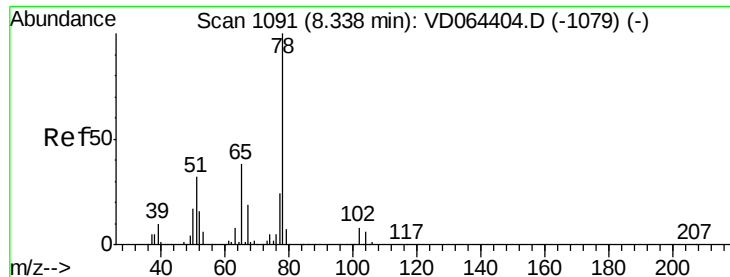
99 66.1 51.4 77.2

61 43.7 35.0 52.4



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

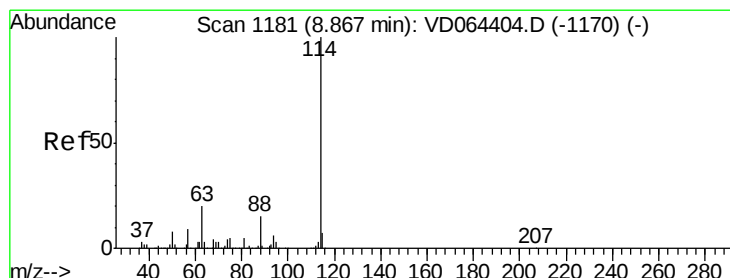
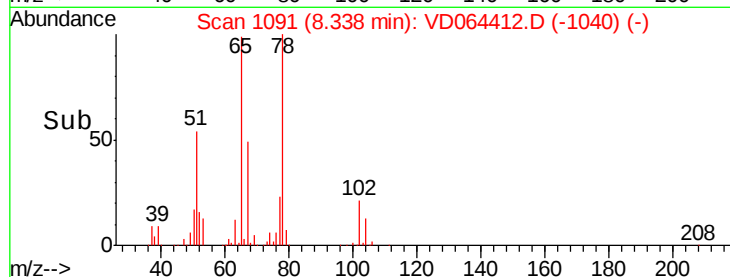
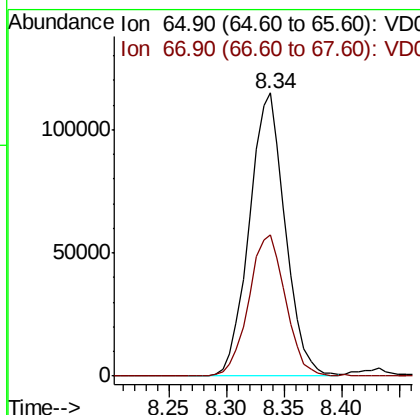
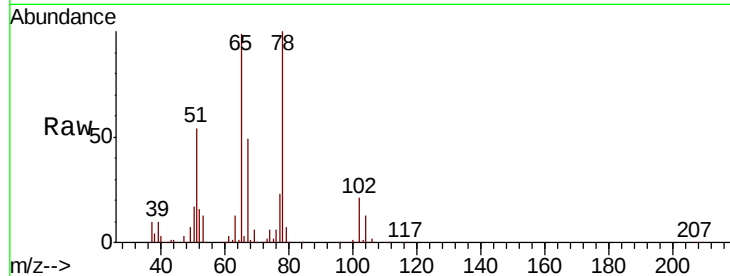




#33
 1,2-Dichloroethane-d4
 Concen: 53.875 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

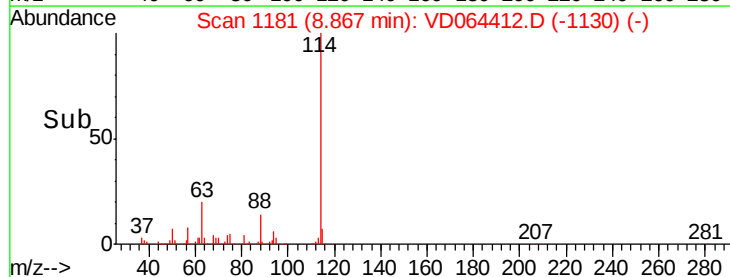
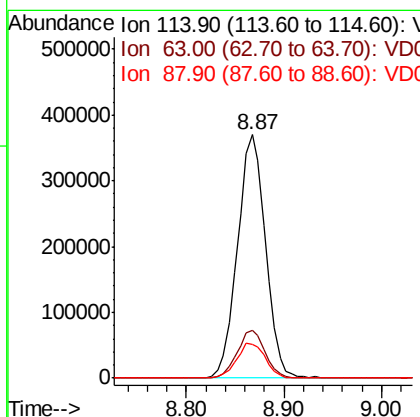
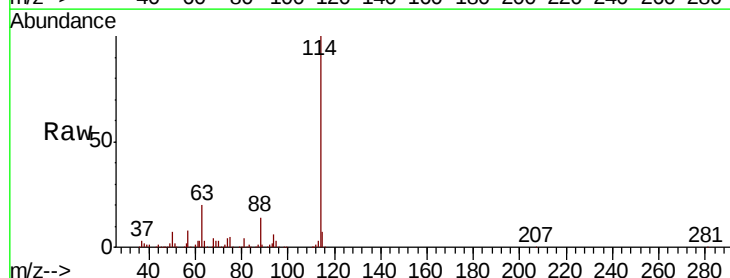
Instrument :
 MSVOA_D
 ClientSampled :

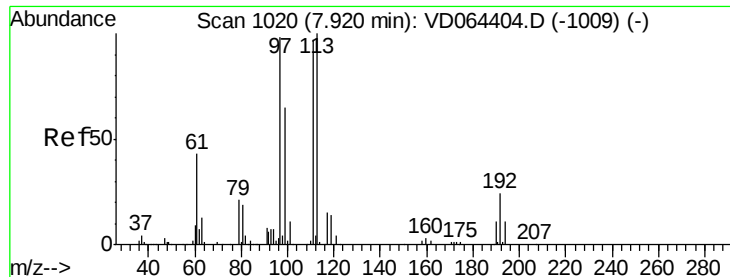
Tot Ion: 65 Resp: 248714
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion: 114 Resp: 741301
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 13.8 0.0 29.2

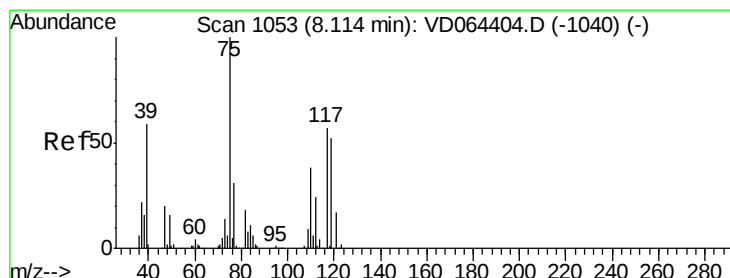
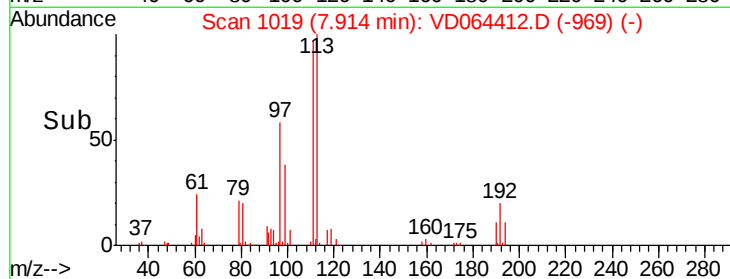
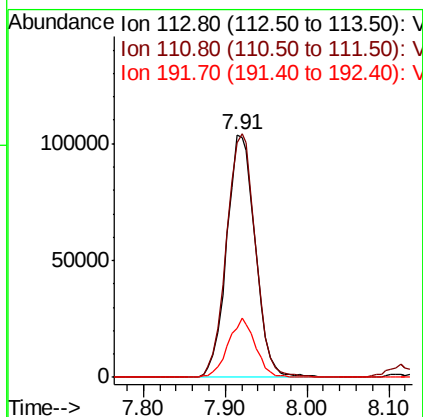
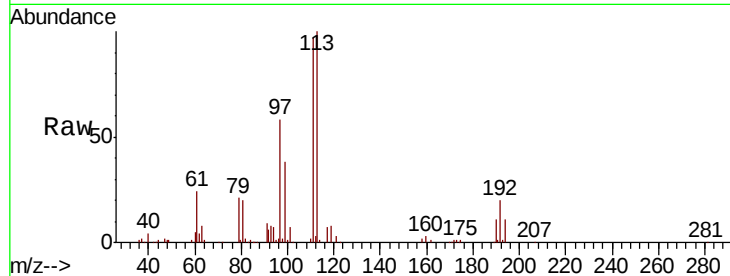




#35
 Dibromofluoromethane
 Concen: 53.973 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

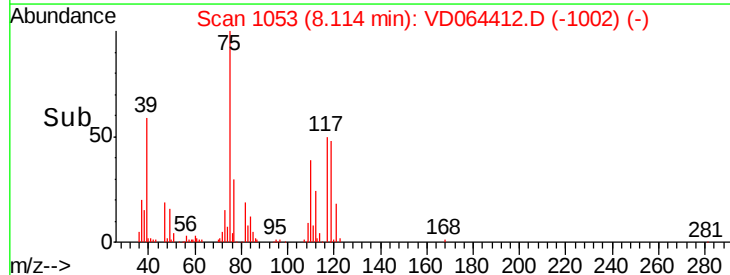
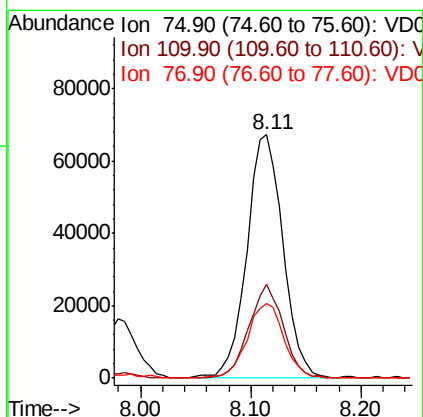
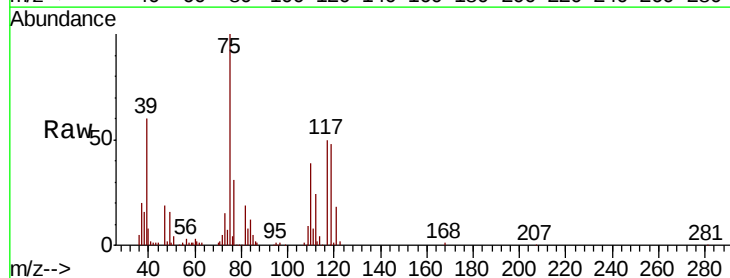
Instrument :
 MSVOA_D
 ClientSampleId :

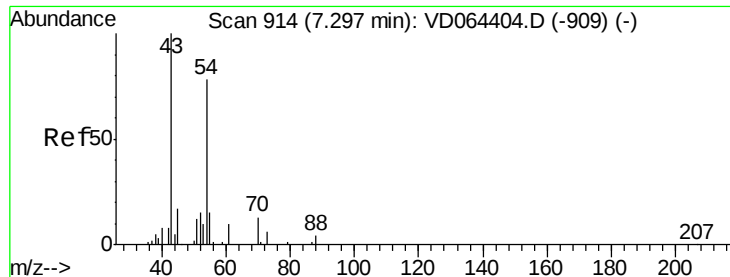
Tot Ion:113 Resp: 252083
 Ion Ratio Lower Upper
 113 100
 111 101.9 79.4 119.2
 192 23.0 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 22.060 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion: 75 Resp: 154680
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.6 55.8
 77 31.3 25.0 37.4

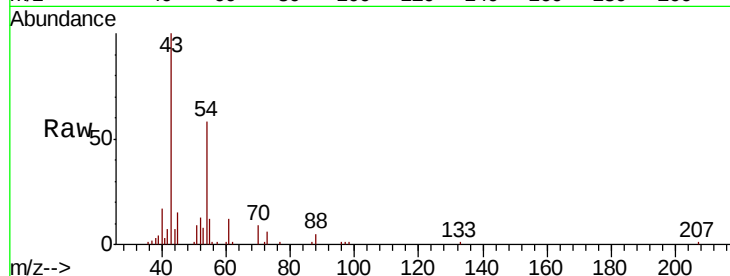




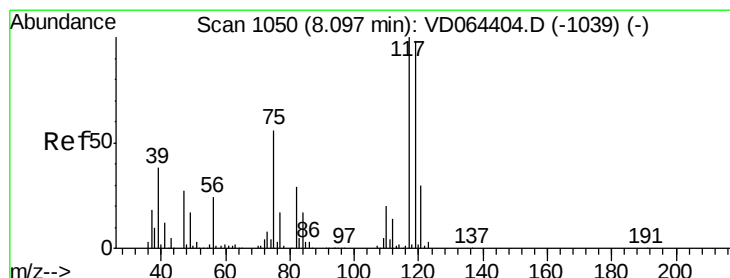
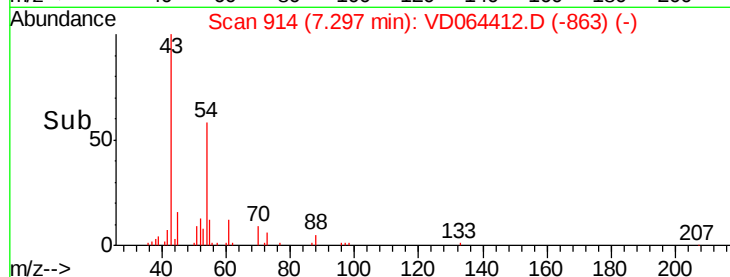
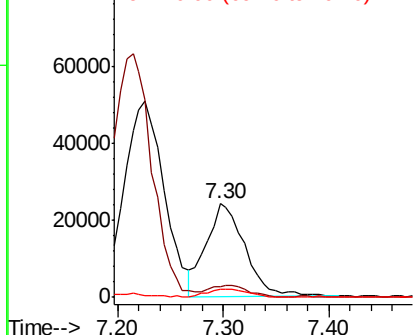
#37
Ethyl Acetate
Concen: 20.651 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 61442
Ion Ratio Lower Upper
43 100
61 12.9 10.9 16.3
70 9.5 8.3 12.5

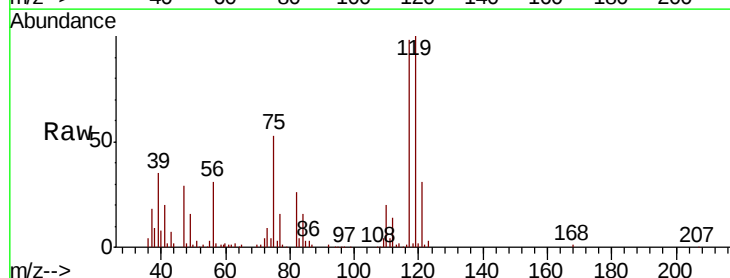


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

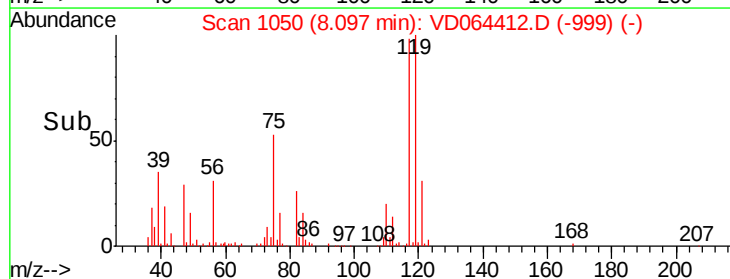
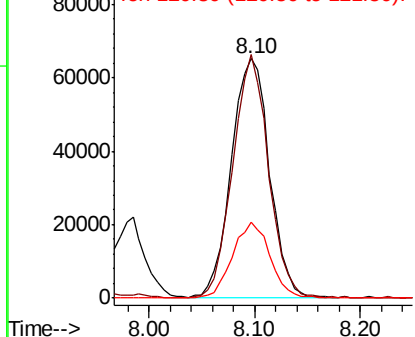


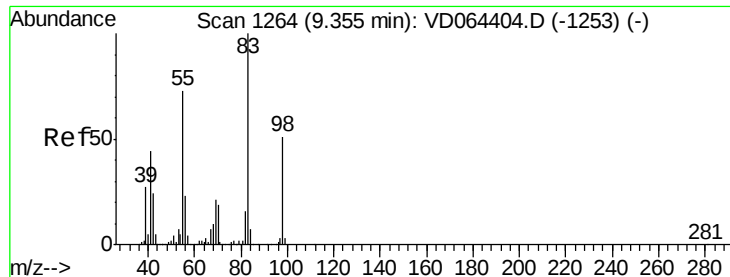
#38
Carbon Tetrachloride
Concen: 21.961 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 117 Resp: 162517
Ion Ratio Lower Upper
117 100
119 101.9 78.8 118.2
121 31.6 24.2 36.2



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

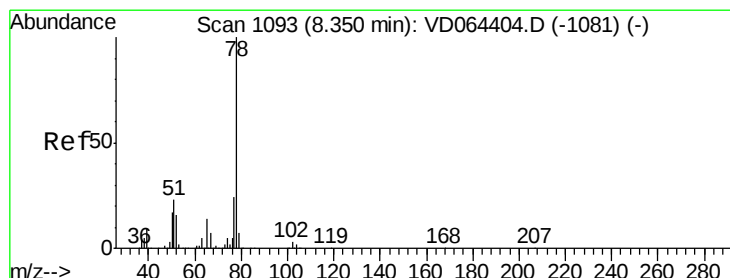
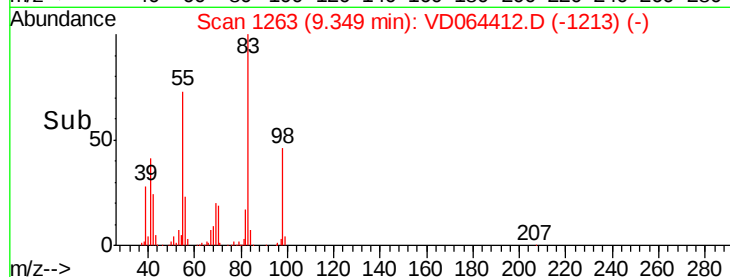
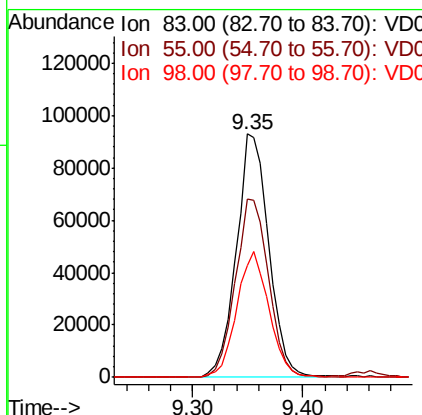
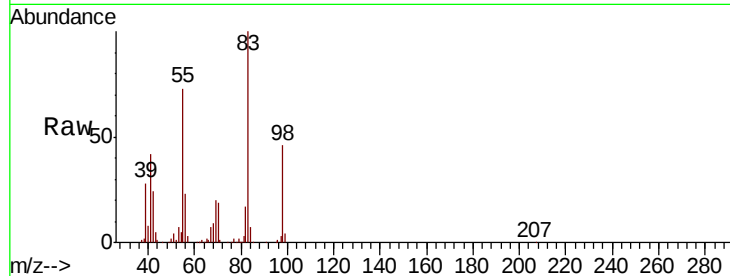




#39
Methvlcvclohexane
Concen: 22.132 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

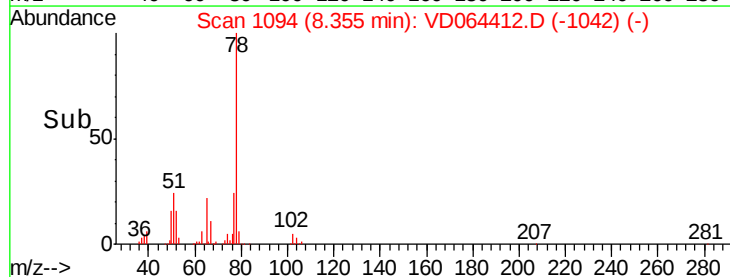
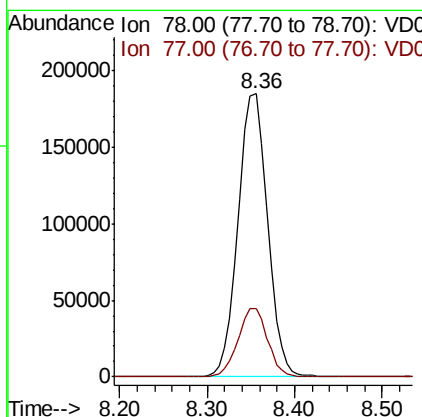
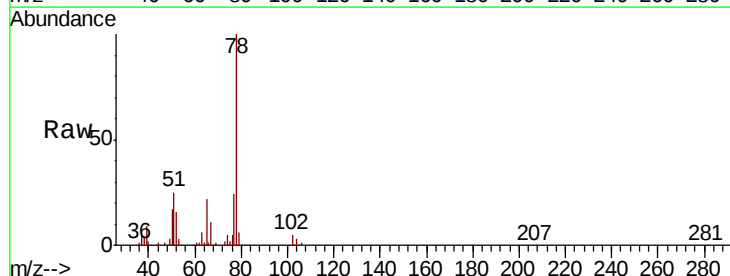
Instrument :
MSVOA_D
ClientSampleId :

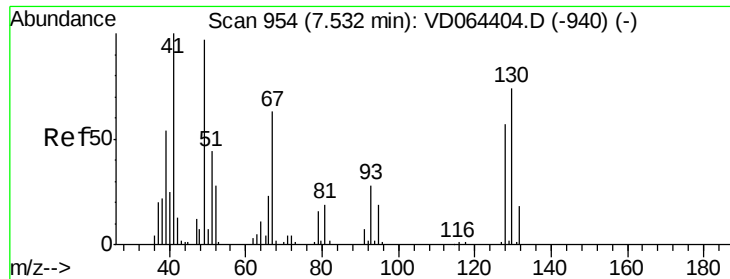
Tot Ion: 83 Resp: 192493
Ion Ratio Lower Upper
83 100
55 73.3 58.6 87.8
98 45.9 40.9 61.3



#40
Benzene
Concen: 21.733 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 78 Resp: 423229
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4

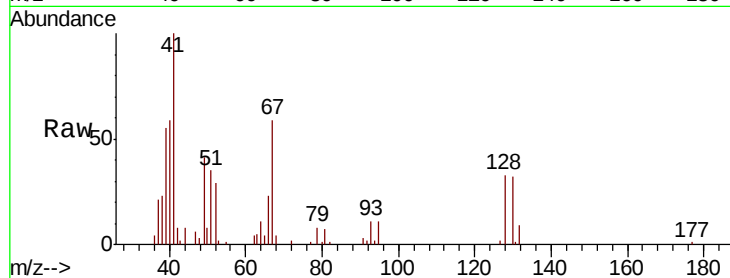




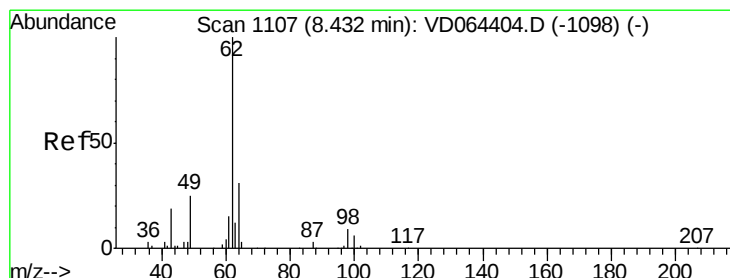
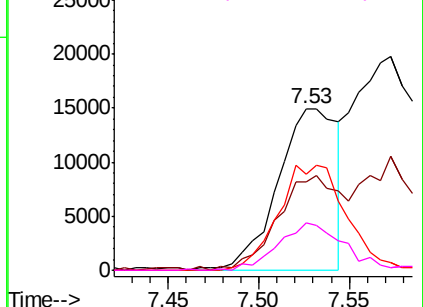
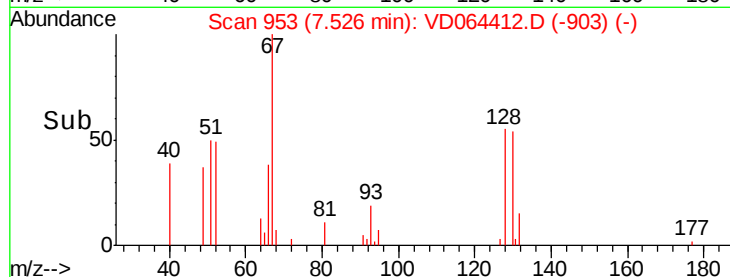
#41
Methacrylonitrile
Concen: 20.134 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	34353
Ion	Ratio	Lower	Upper
41	100		
39	63.8	44.6	67.0
67	74.4	50.9	76.3
52	32.8	22.5	33.7

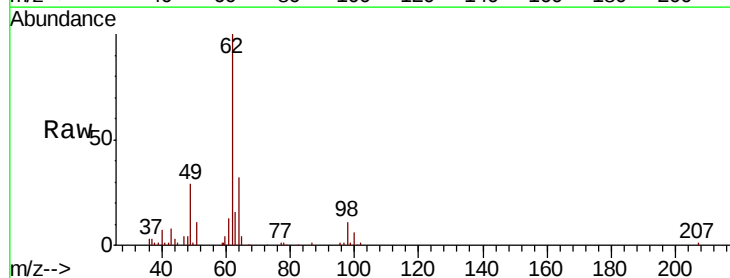


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

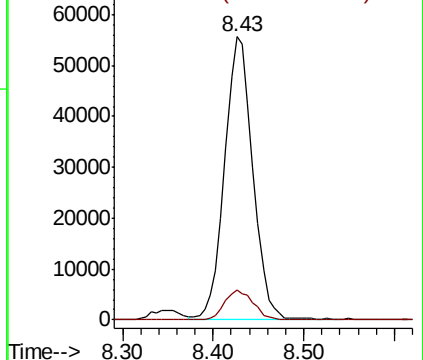
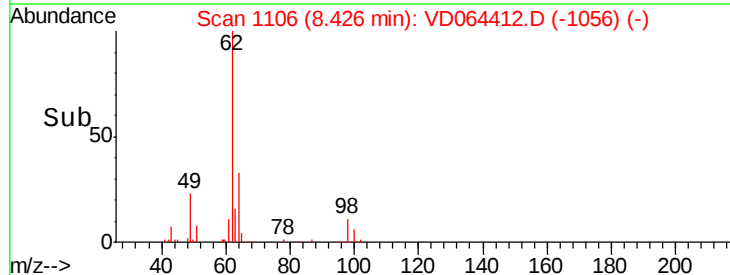


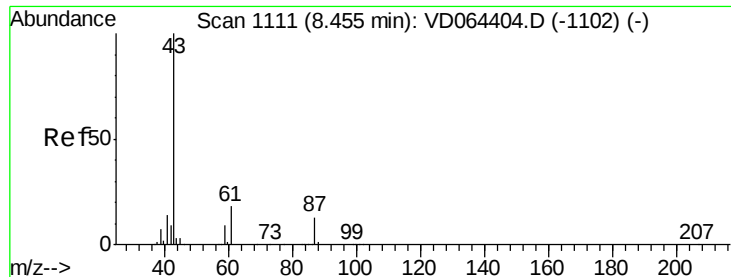
#42
1,2-Dichloroethane
Concen: 21.183 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion:	62	Resp:	120302
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 21.076 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

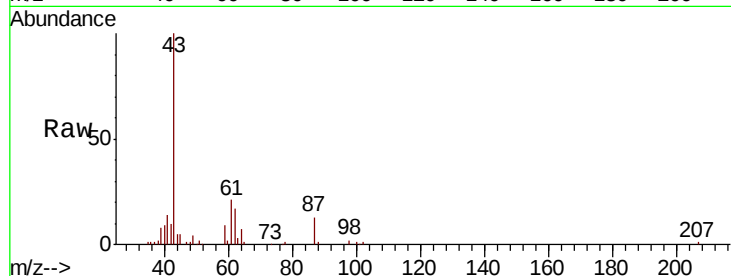
Tot Ion: 43 Resp: 123290

Ion Ratio Lower Upper

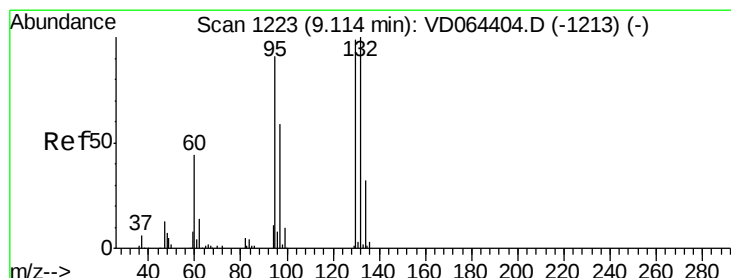
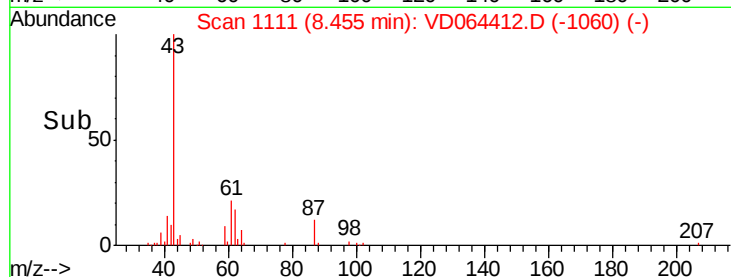
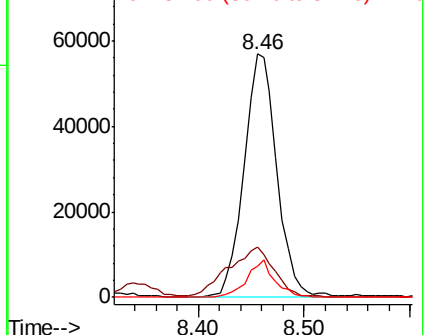
43 100

61 29.0 24.0 36.0

87 12.8 10.6 15.8



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



#44

Trichloroethene

Concen: 21.905 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064412.D

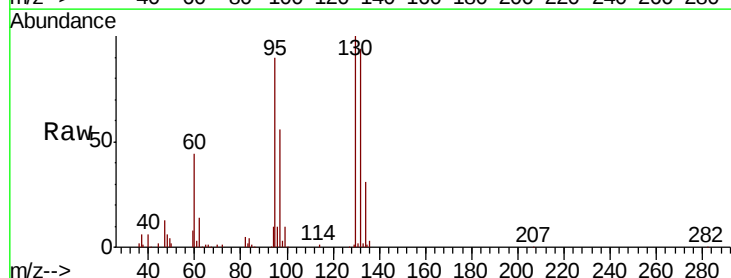
Acq: 04 Dec 2019 12:57

Tgt Ion:130 Resp: 128498

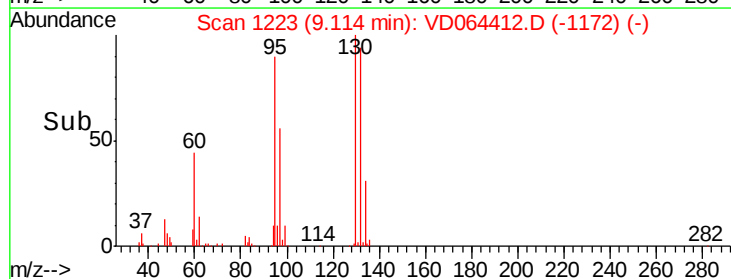
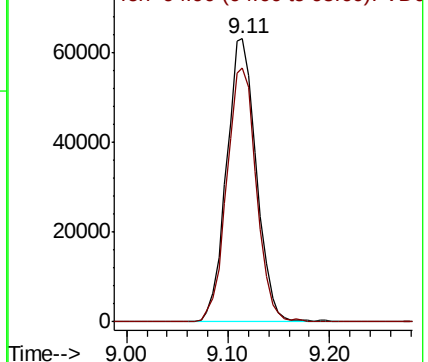
Ion Ratio Lower Upper

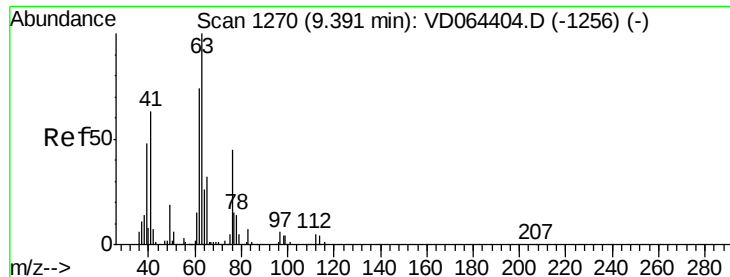
130 100

95 89.6 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 21.112 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

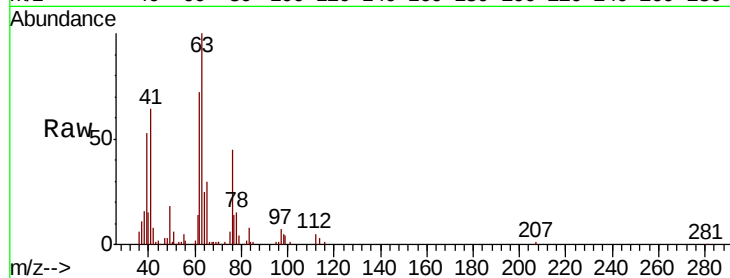
ClientSampled :

Tot Ion: 63 Resp: 98329

Ion Ratio Lower Upper

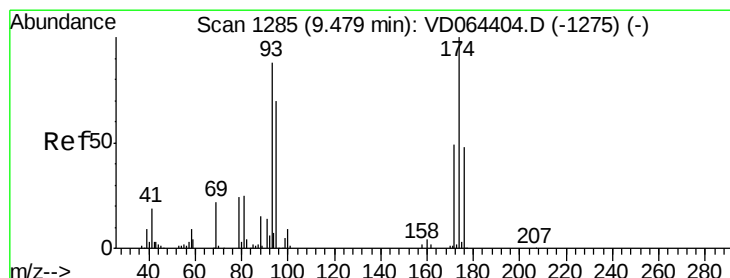
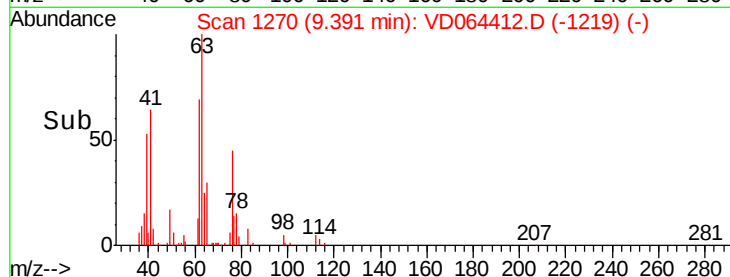
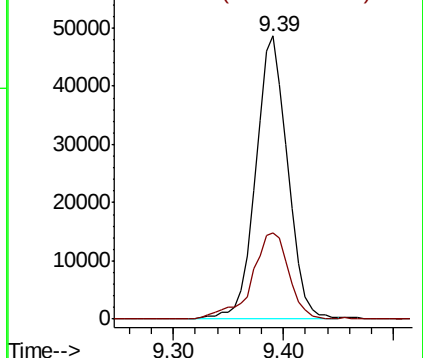
63 100

65 30.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.821 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

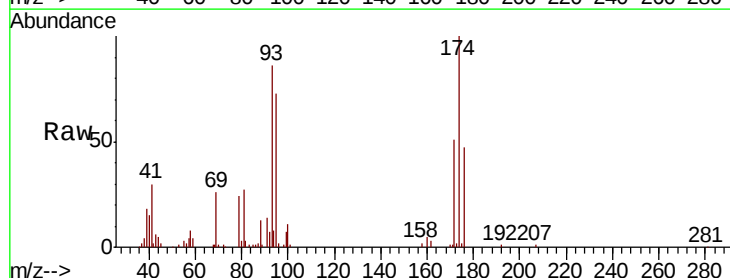
Tgt Ion: 93 Resp: 54731

Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

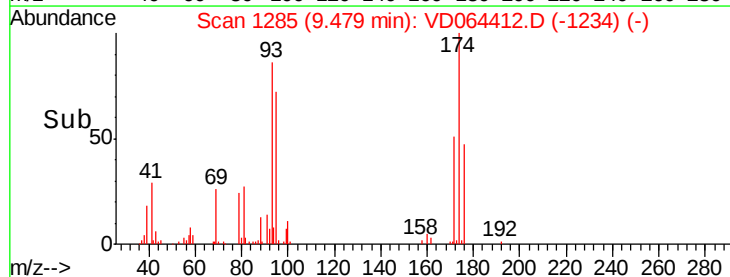
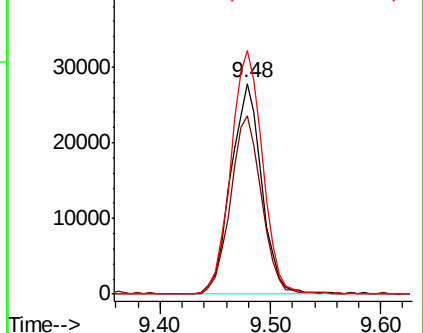
174 117.9 92.3 138.5

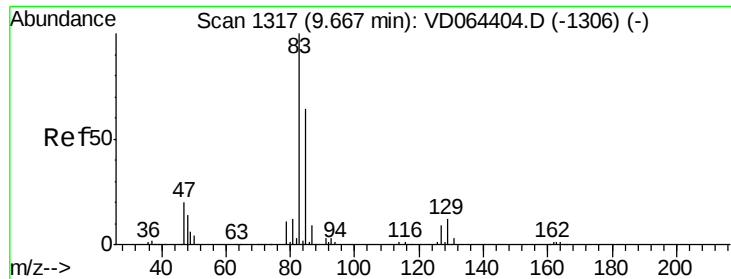


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.701 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :

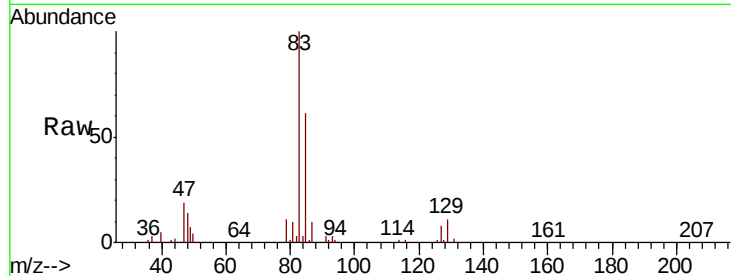
Tot Ion: 83 Resp: 146576

Ion Ratio Lower Upper

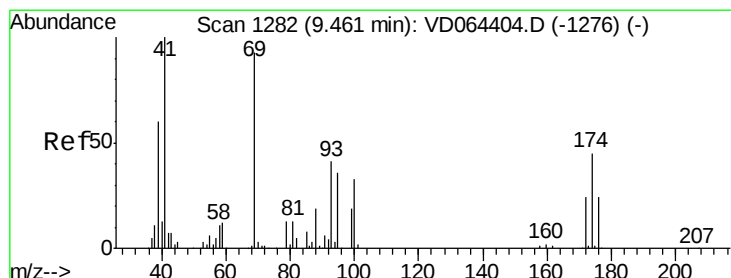
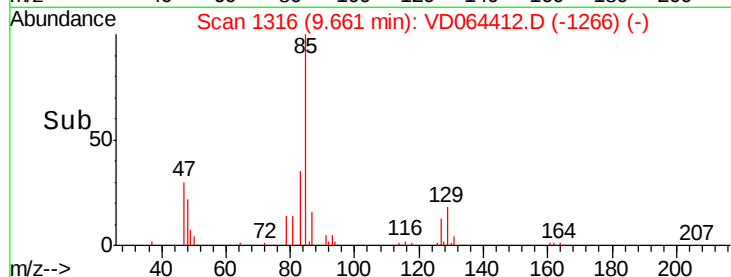
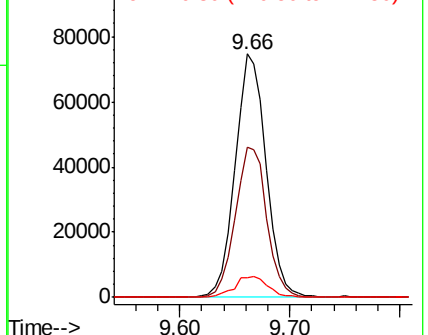
83 100

85 61.5 51.1 76.7

127 8.1 7.4 11.0



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



#48

Methyl methacrylate

Concen: 20.633 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

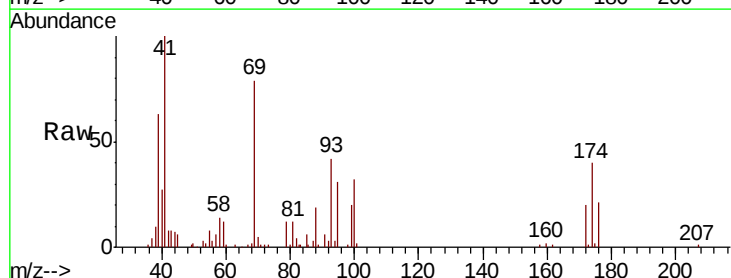
Tgt Ion: 41 Resp: 55231

Ion Ratio Lower Upper

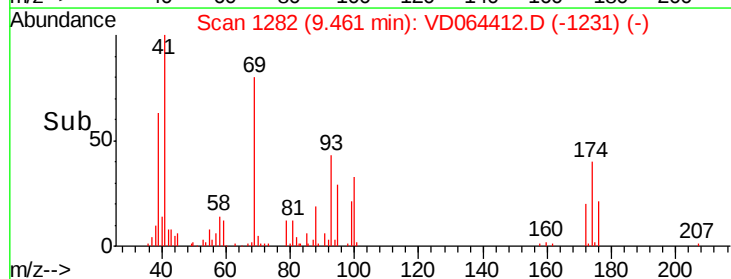
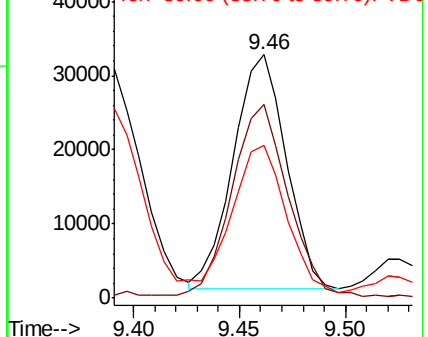
41 100

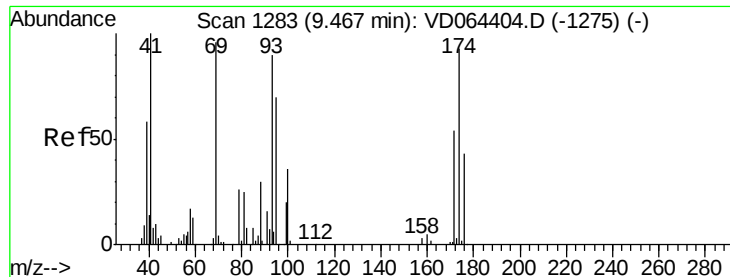
69 86.6 72.0 108.0

39 67.9 55.2 82.8



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





#49

1,4-Dioxane

Concen: 425.784 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :

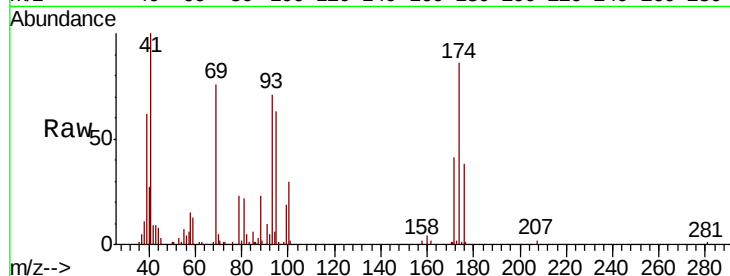
Tot Ion: 88 Resp: 13821

Ion Ratio Lower Upper

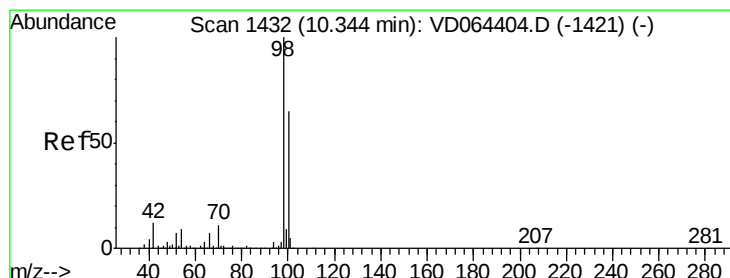
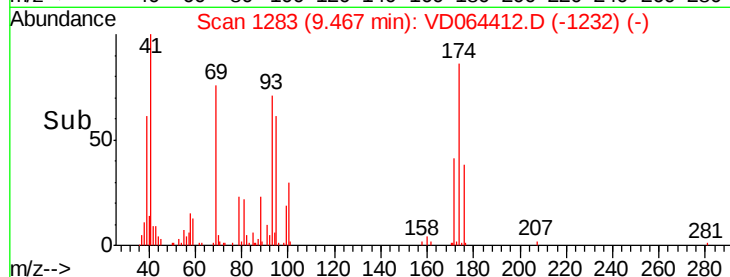
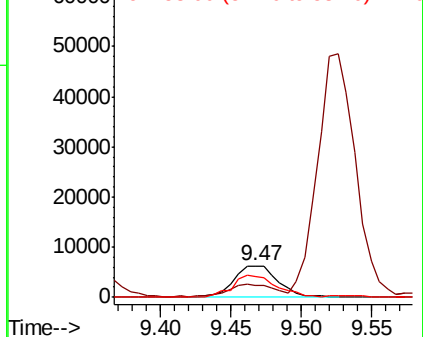
88 100

43 45.3 26.7 40.1#

58 68.2 52.3 78.5



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



#50

Toluene-d8

Concen: 54.697 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064412.D

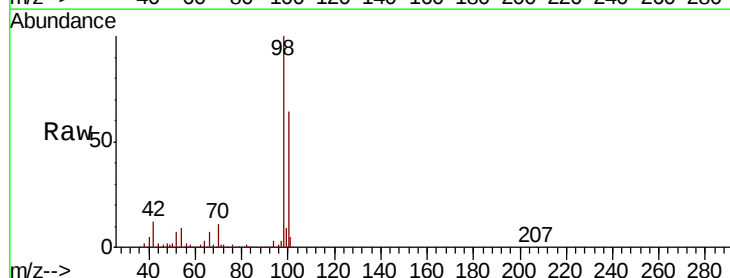
Acq: 04 Dec 2019 12:57

Tgt Ion: 98 Resp: 962319

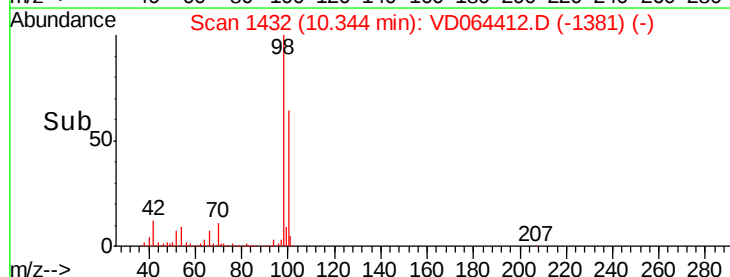
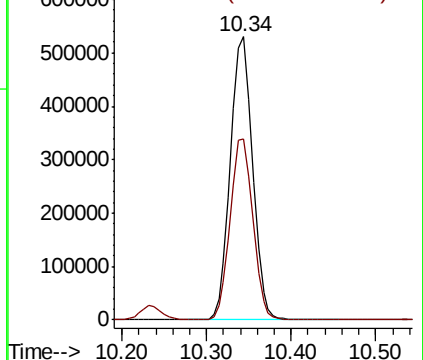
Ion Ratio Lower Upper

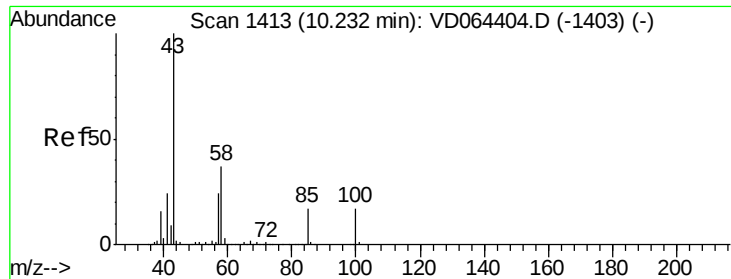
98 100

100 65.0 52.6 79.0



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





#51

4-Methyl-2-Pentanone

Concen: 102.639 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

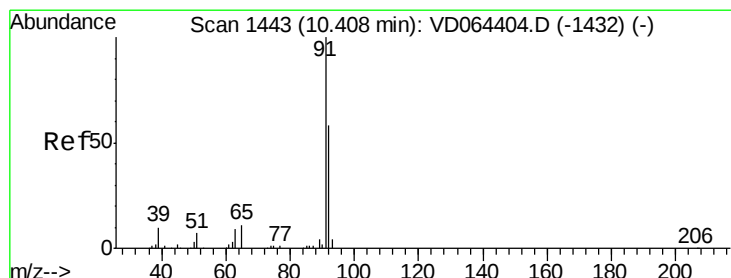
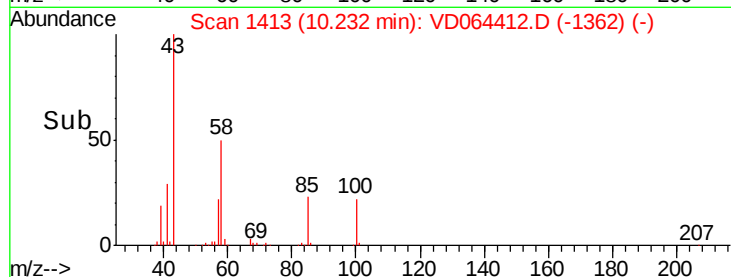
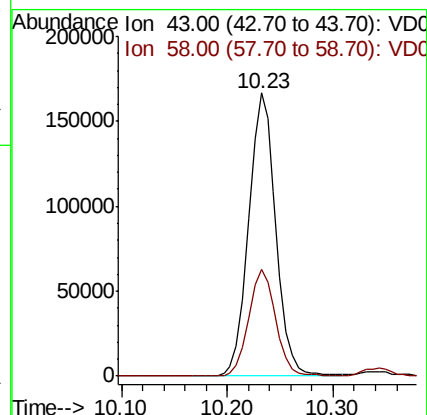
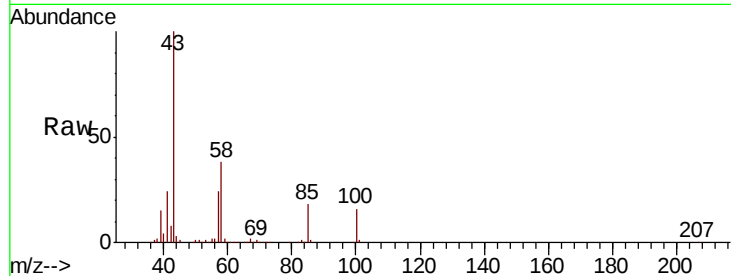
ClientSampled :

Tot Ion: 43 Resp: 297083

Ion Ratio Lower Upper

43 100

58 37.5 30.6 46.0



#52

Toluene

Concen: 21.117 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064412.D

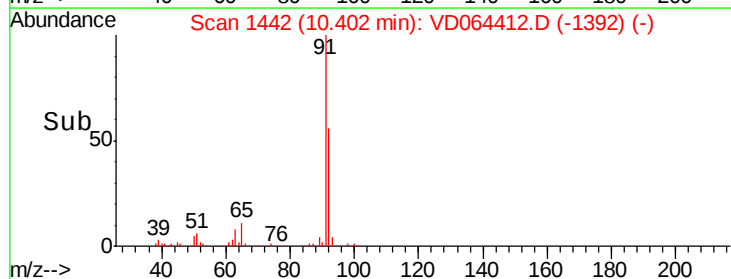
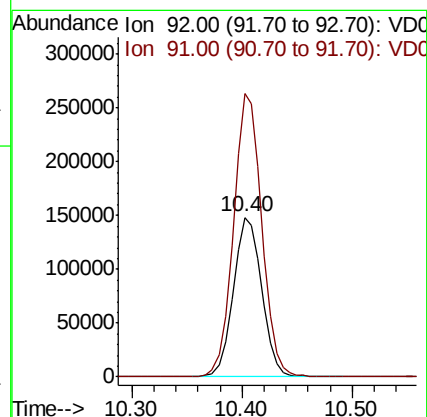
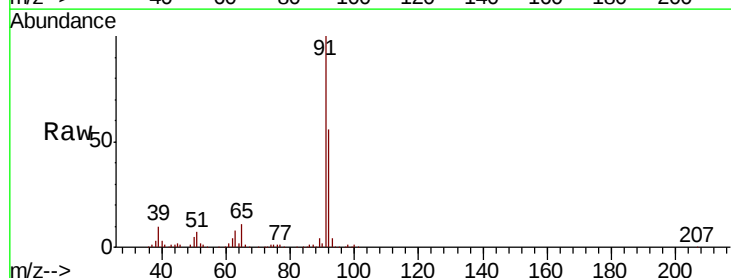
Acq: 04 Dec 2019 12:57

Tgt Ion: 92 Resp: 268008

Ion Ratio Lower Upper

92 100

91 176.8 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 21.119 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

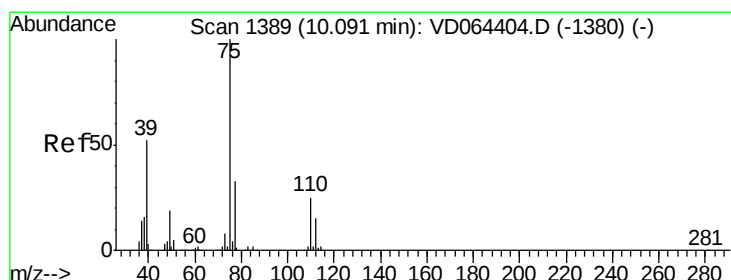
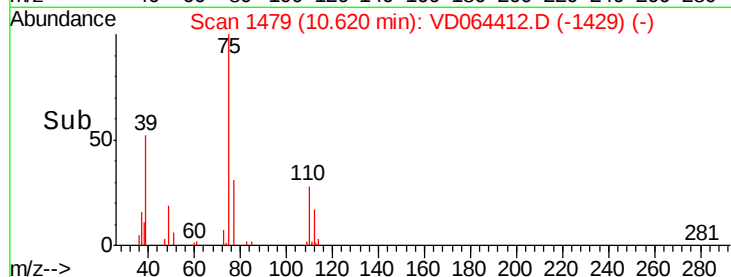
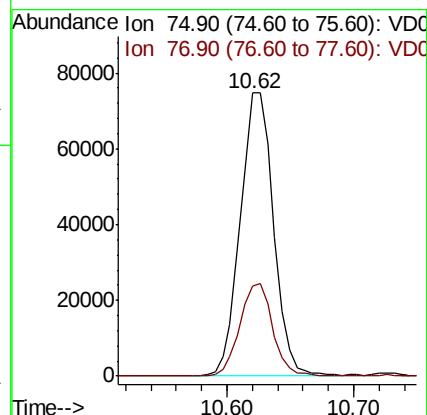
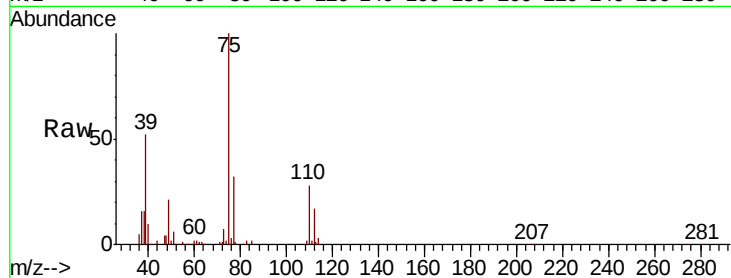
ClientSampleId :

Tot Ion: 75 Resp: 135942

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.460 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

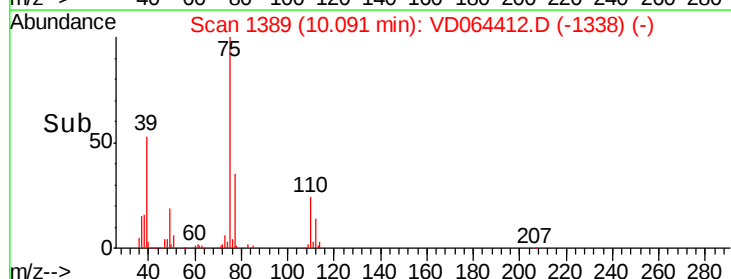
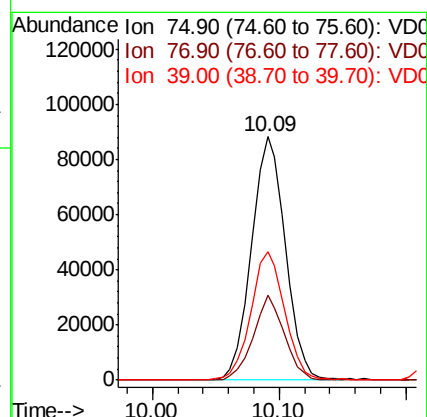
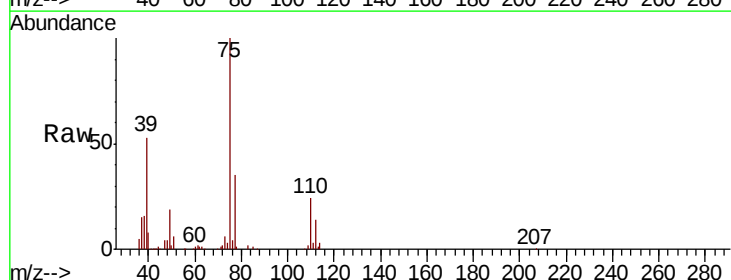
Tgt Ion: 75 Resp: 164102

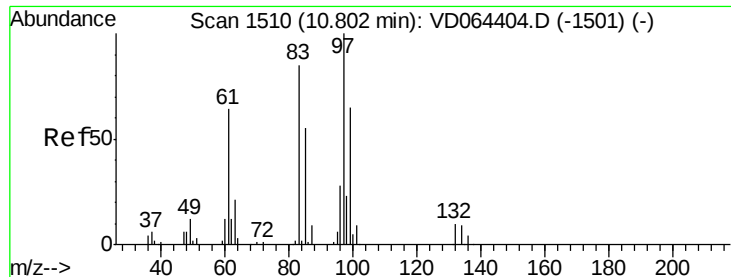
Ion Ratio Lower Upper

75 100

77 34.6 26.1 39.1

39 52.9 41.5 62.3

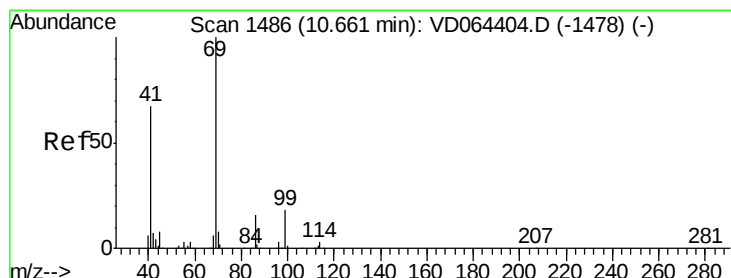
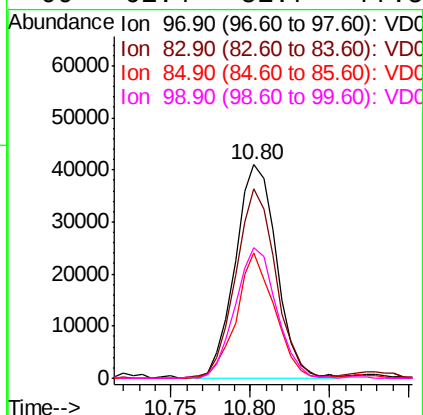
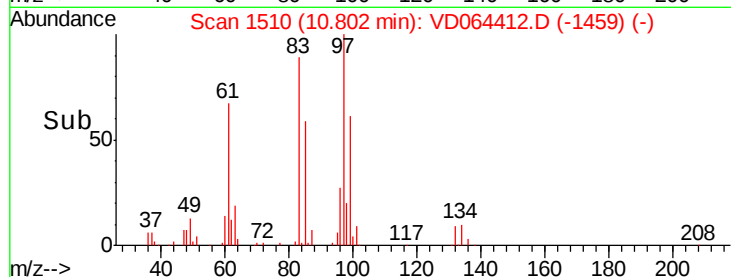
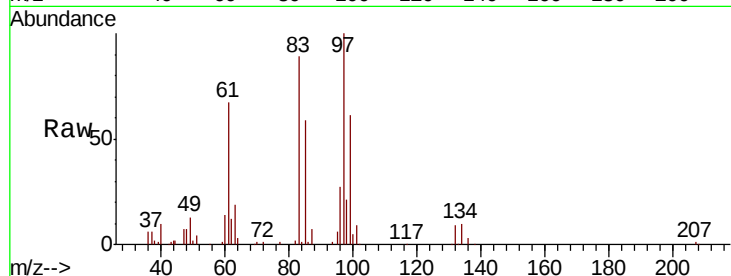




#55
 1,1,2-Trichloroethane
 Concen: 20.694 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

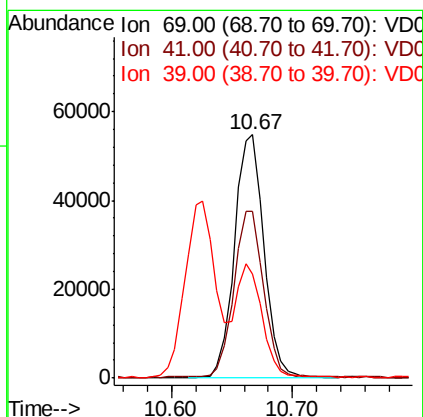
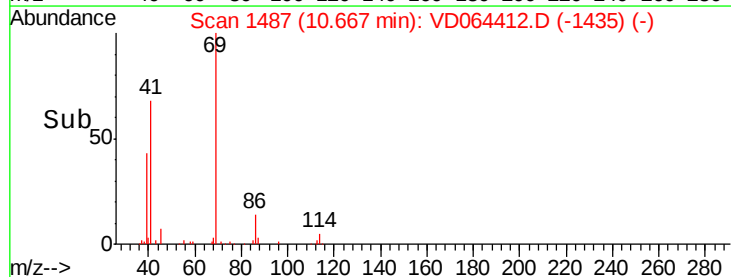
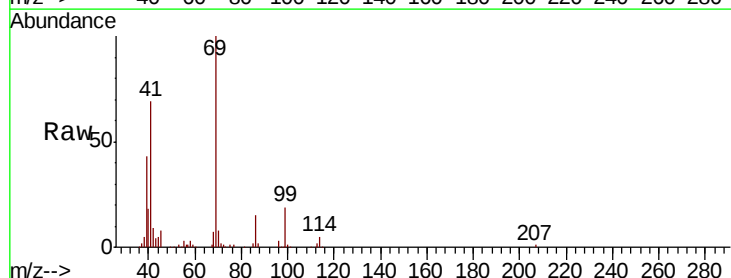
Instrument :
 MSVOA_D
 ClientSampleId :

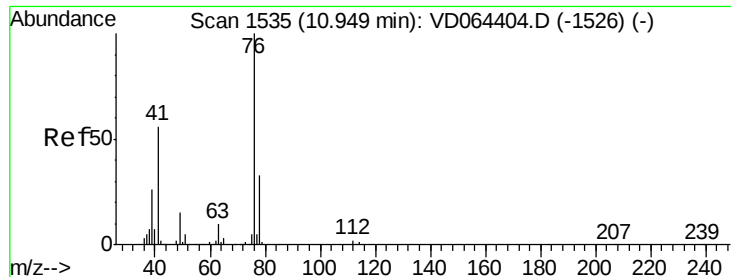
Tot Ion:	97	Resp:	74485
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.8	101.8
85	58.6	43.7	65.5
99	61.4	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 20.355 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion:	69	Resp:	93444
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.0	82.4
39	43.4	33.0	49.6





#57

1,3-Dichloropropane

Concen: 21.083 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

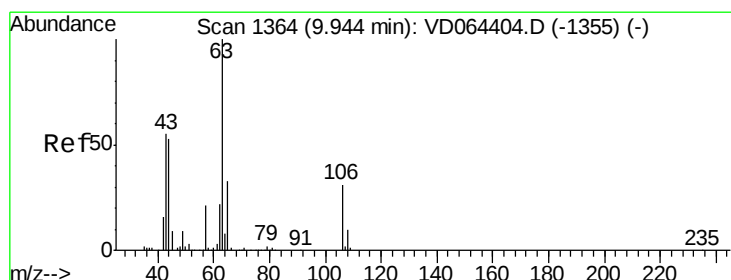
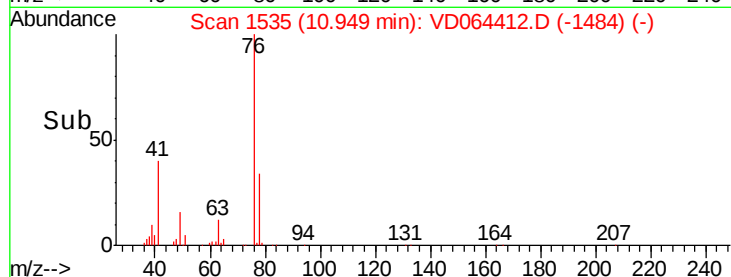
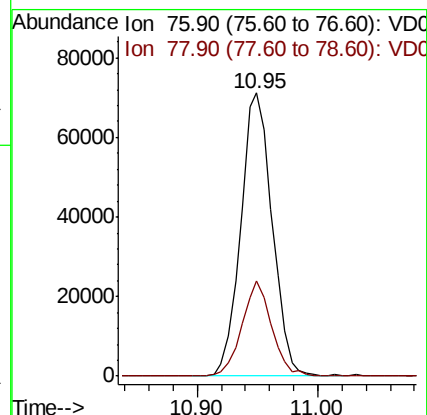
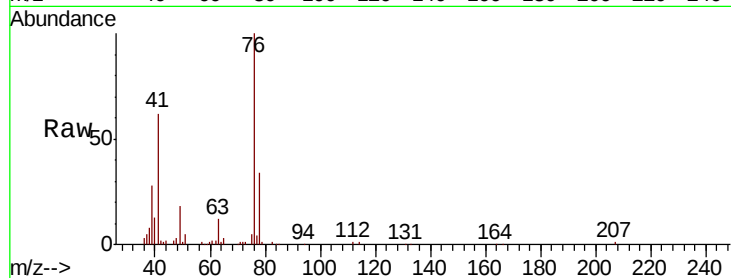
ClientSampleId :

Tot Ion: 76 Resp: 129178

Ion Ratio Lower Upper

76 100

78 31.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.681 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064412.D

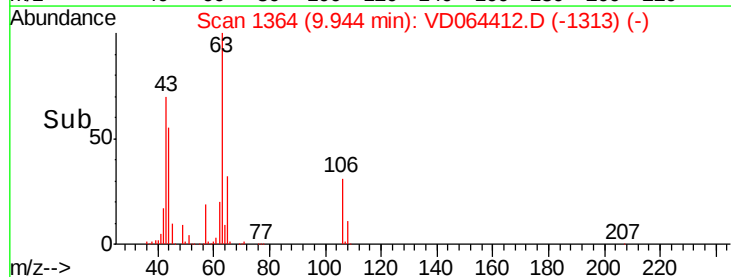
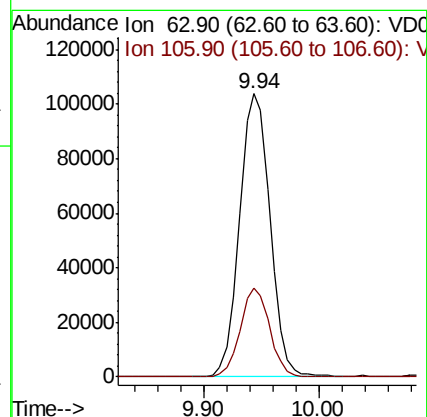
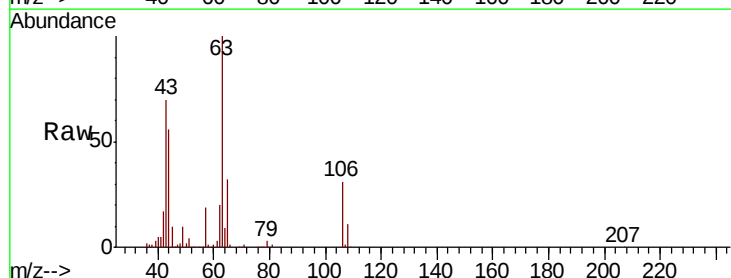
Acq: 04 Dec 2019 12:57

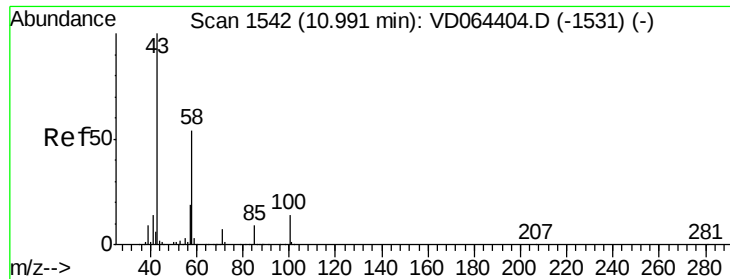
Tgt Ion: 63 Resp: 189744

Ion Ratio Lower Upper

63 100

106 30.3 24.2 36.4

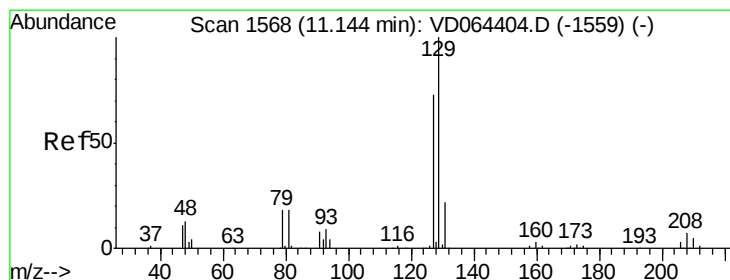
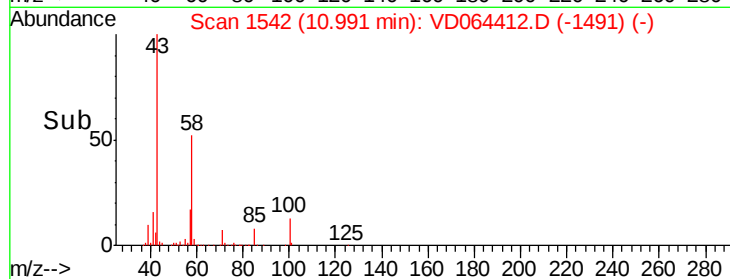
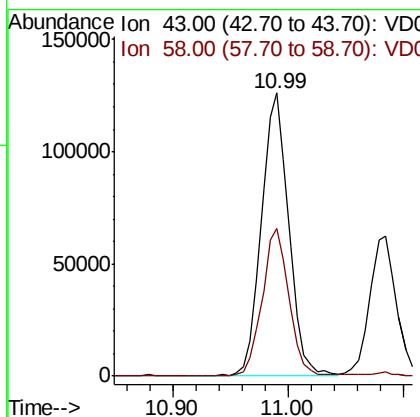
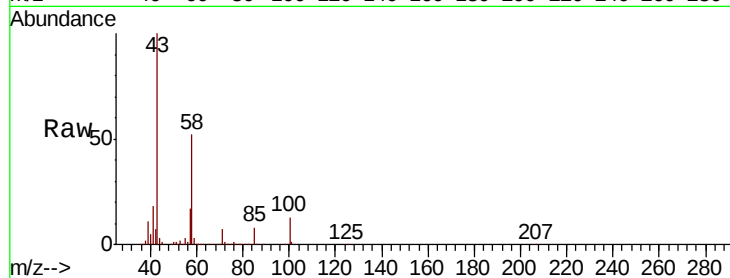




#59
2-Hexanone
Concen: 103.859 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

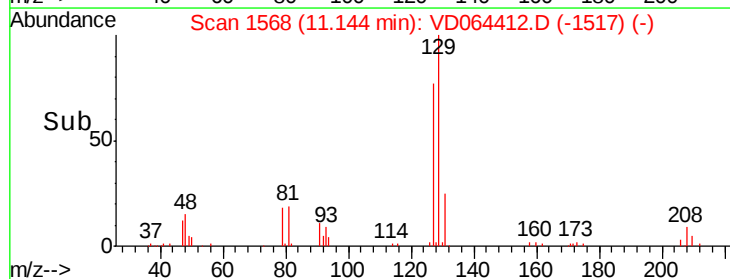
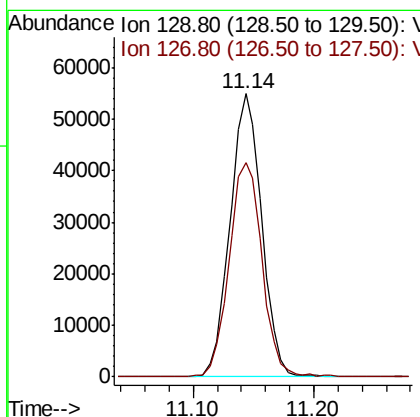
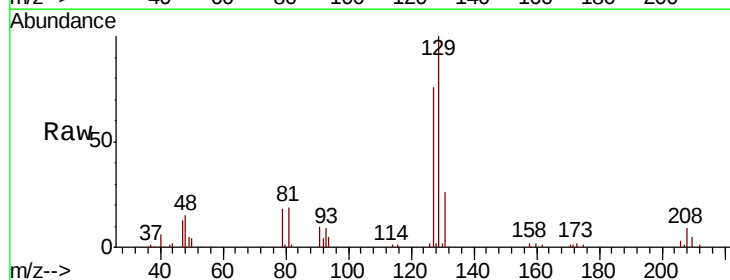
Instrument :
MSVOA_D
ClientSampled :

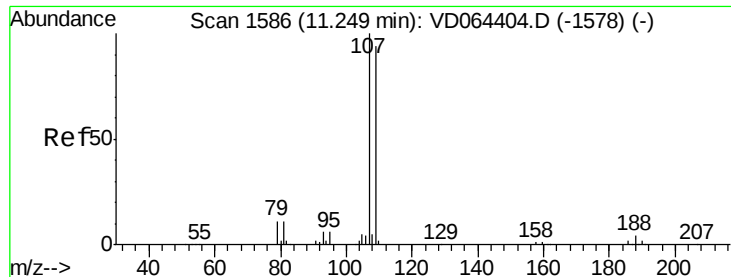
Tot Ion: 43 Resp: 208593
Ion Ratio Lower Upper
43 100
58 51.5 26.3 78.8



#60
Dibromochloromethane
Concen: 20.459 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 129 Resp: 99844
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.3

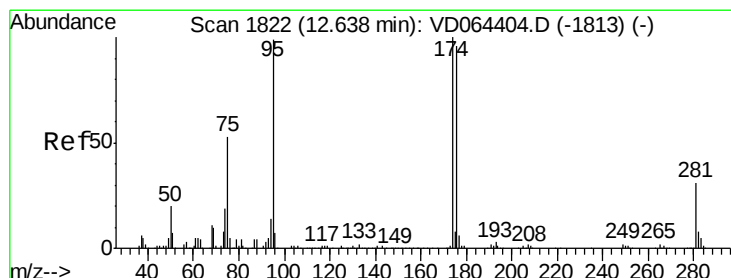
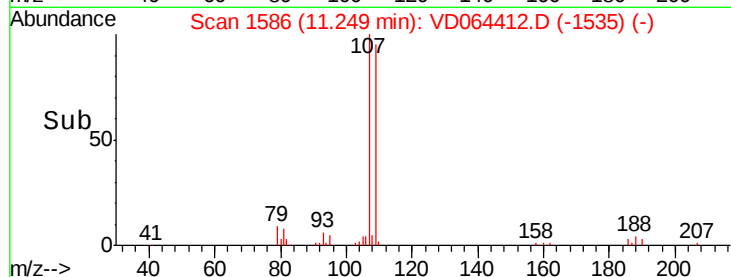
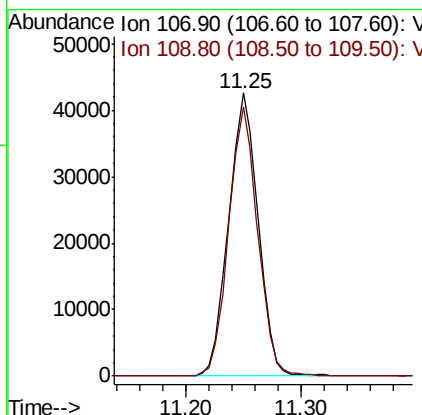
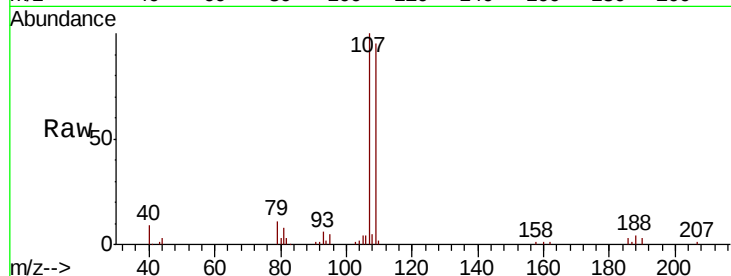




#61
 1,2-Dibromoethane
 Concen: 20.920 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

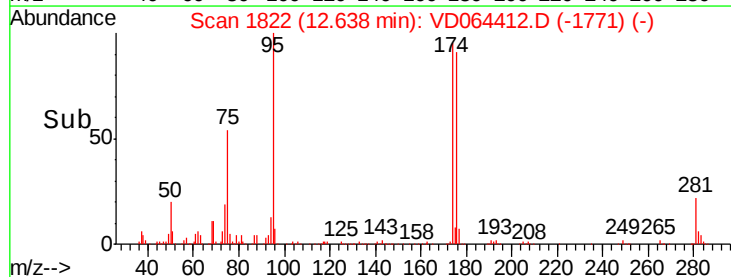
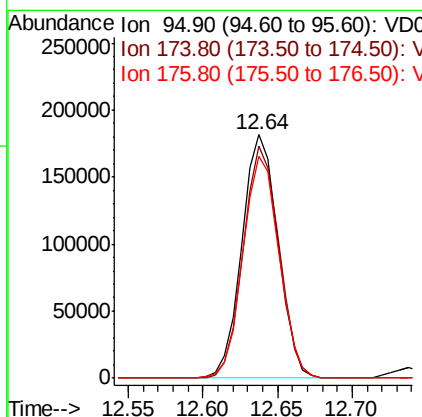
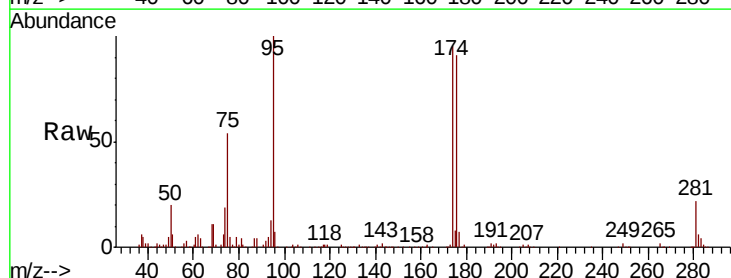
Instrument :
 MSVOA_D
 ClientSampleId :

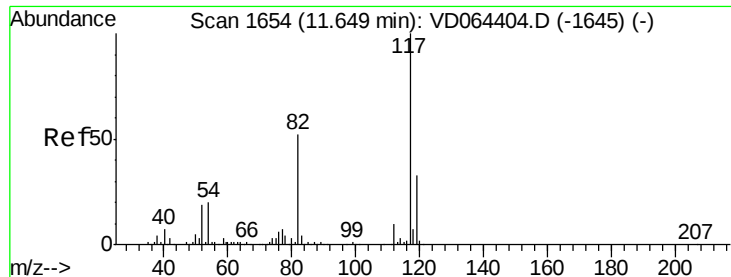
Tot Ion:107 Resp: 75184
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 53.624 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion: 95 Resp: 303193
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 197.2
 176 91.5 0.0 189.6

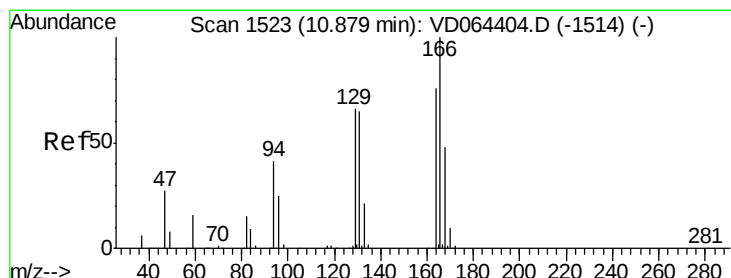
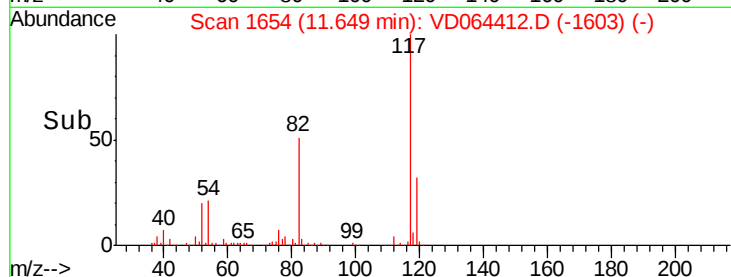
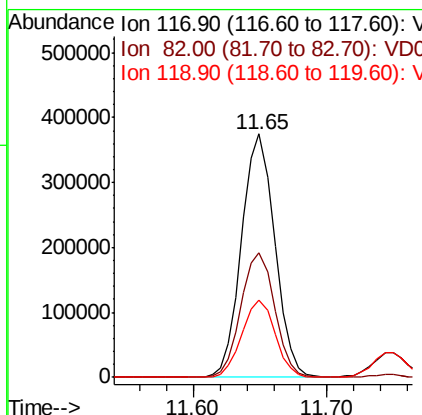
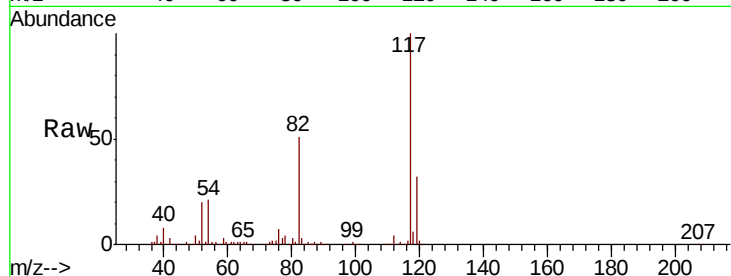




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

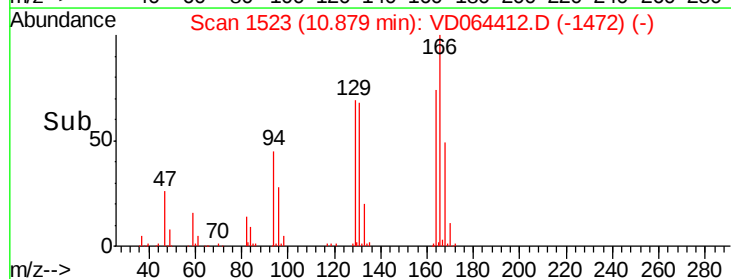
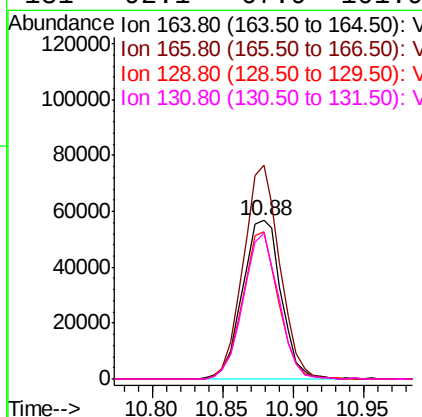
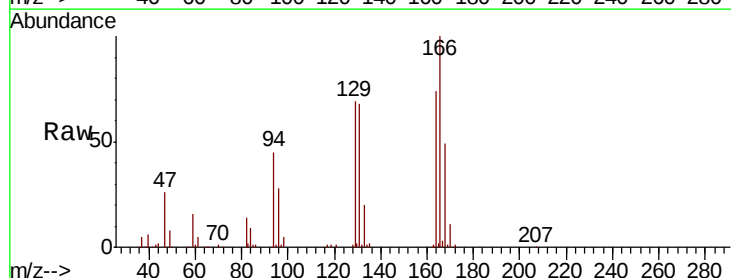
Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.4	62.2
119	31.7	26.2	39.2



#64
Tetrachloroethene
Concen: 21.993 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	104.8	157.2
129	93.1	68.7	103.1
131	92.1	67.9	101.9

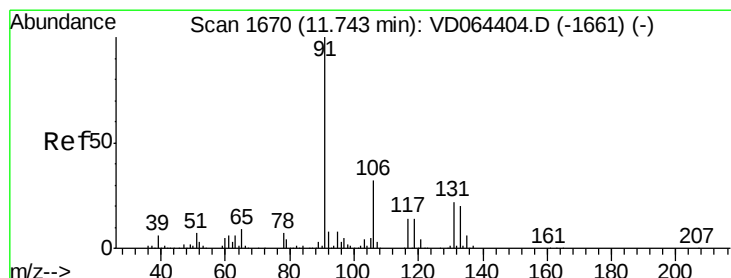
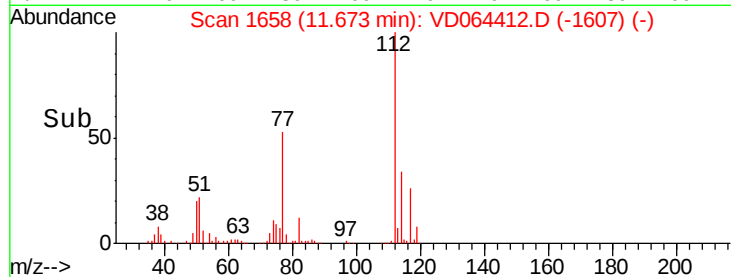
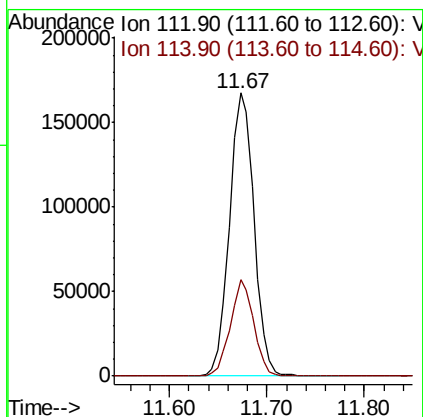
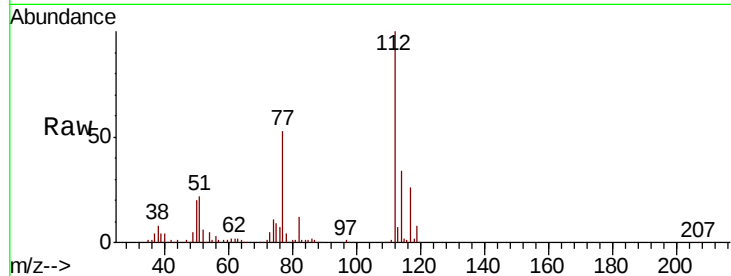




#65
Chlorobenzene
Concen: 21.657 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

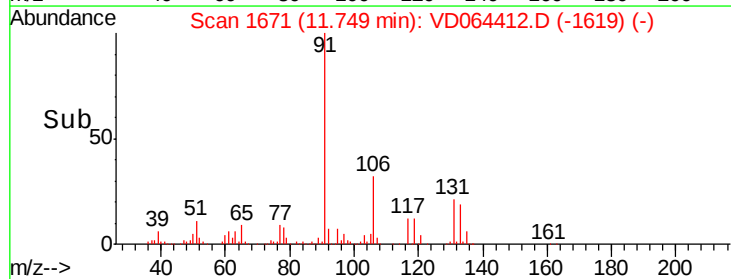
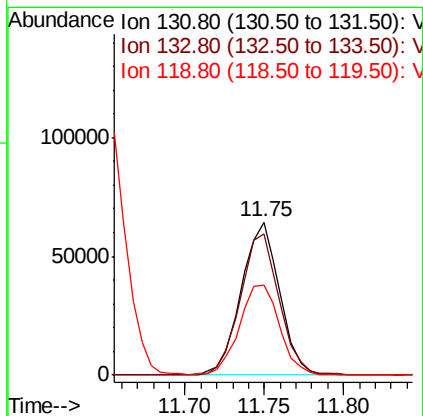
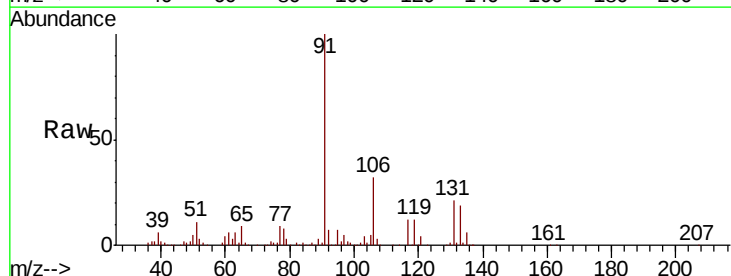
Instrument :
MSVOA_D
ClientSampleId :

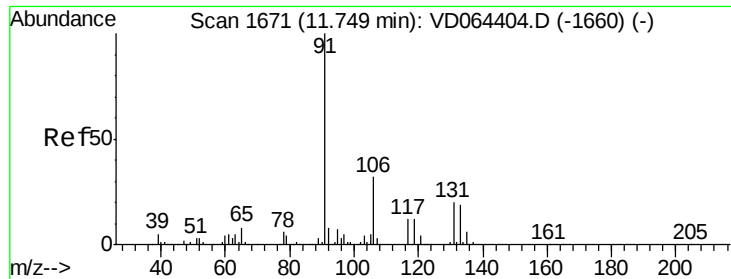
Tot Ion:112 Resp: 292171
Ion Ratio Lower Upper
112 100
114 34.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.693 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion:131 Resp: 108340
Ion Ratio Lower Upper
131 100
133 94.1 48.3 144.9
119 62.1 31.9 95.9





#67

Ethyl Benzene

Concen: 21.466 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

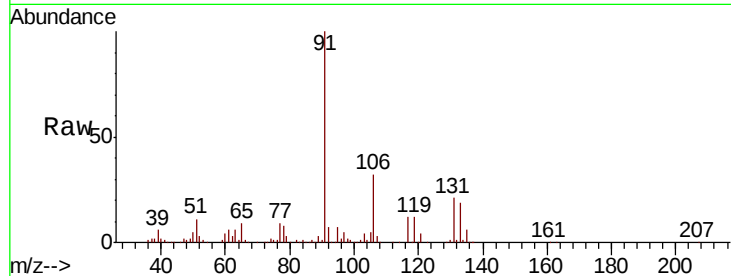
ClientSampled :

Tot Ion: 91 Resp: 515265

Ion Ratio Lower Upper

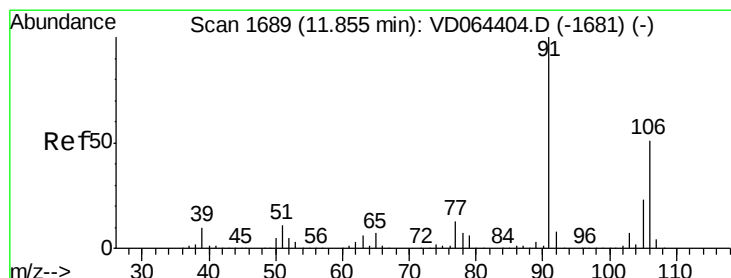
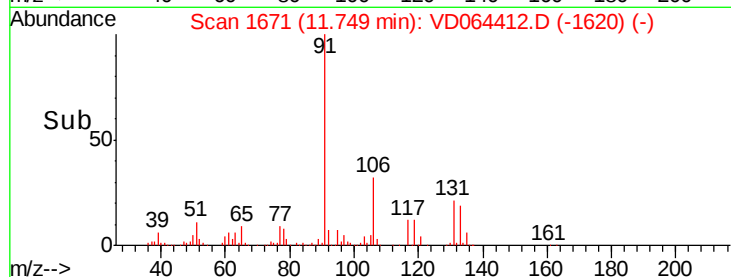
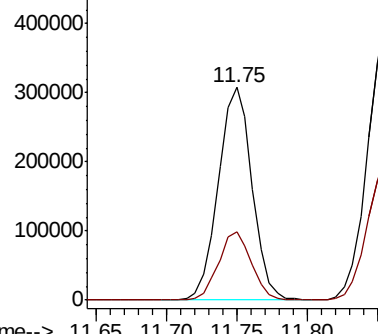
91 100

106 32.0 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.221 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064412.D

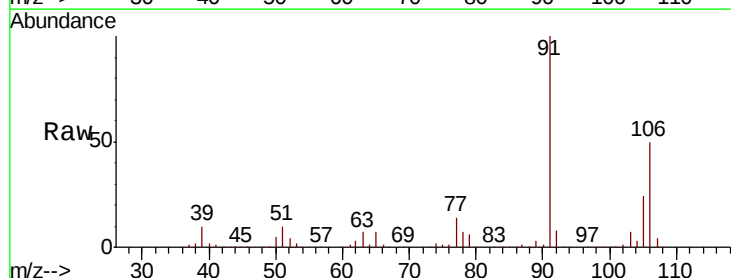
Acq: 04 Dec 2019 12:57

Tgt Ion: 106 Resp: 395566

Ion Ratio Lower Upper

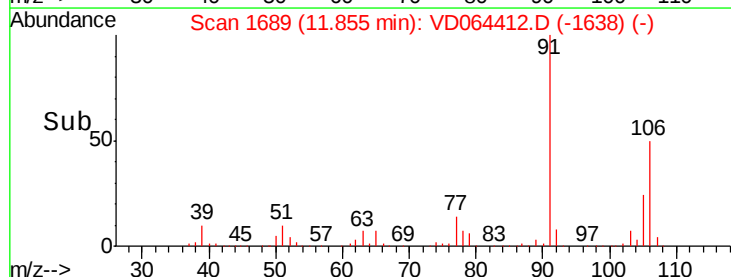
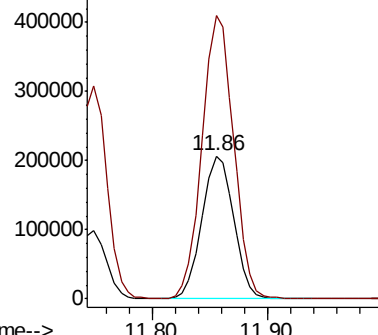
106 100

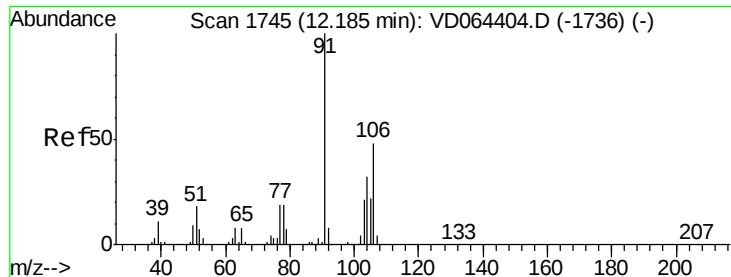
91 196.8 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

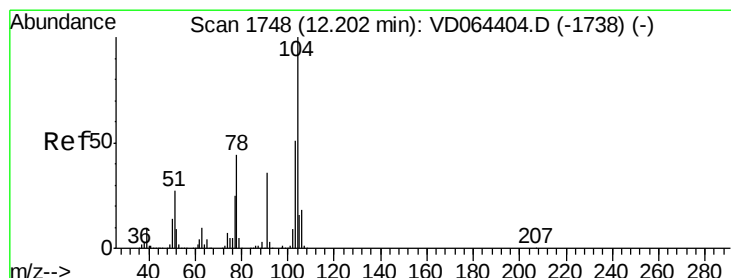
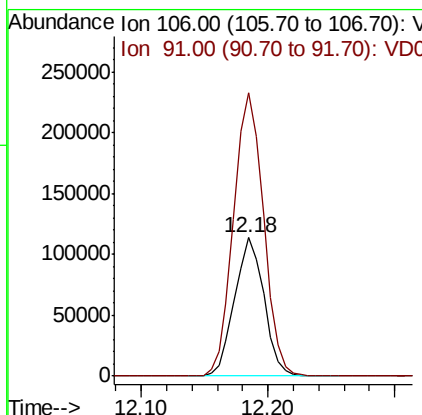
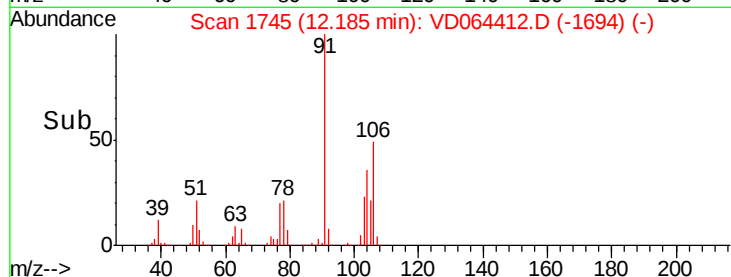
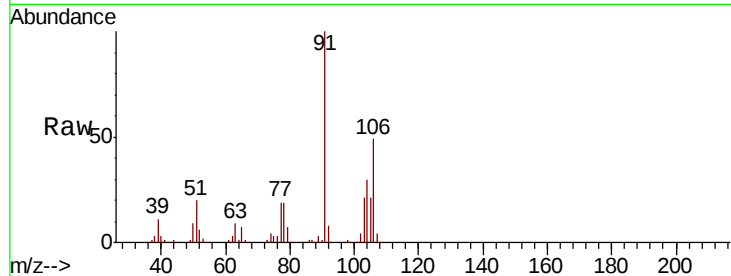




#69
o-Xylene
Concen: 21.688 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

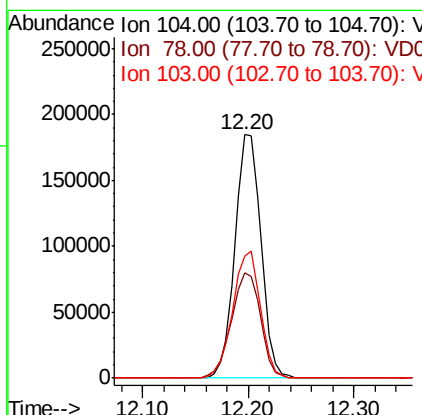
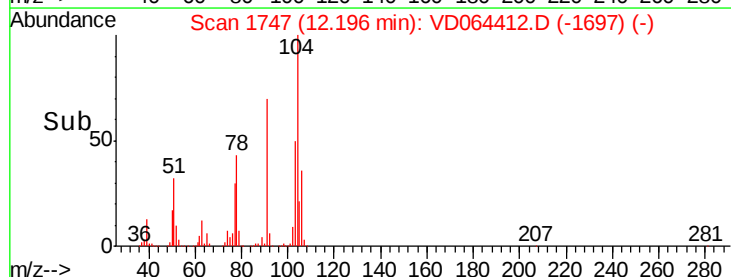
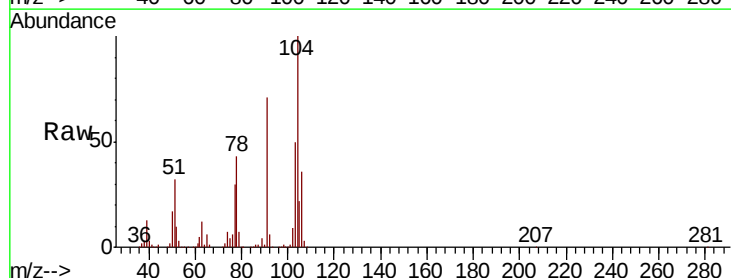
Instrument :
MSVOA_D
ClientSampled :

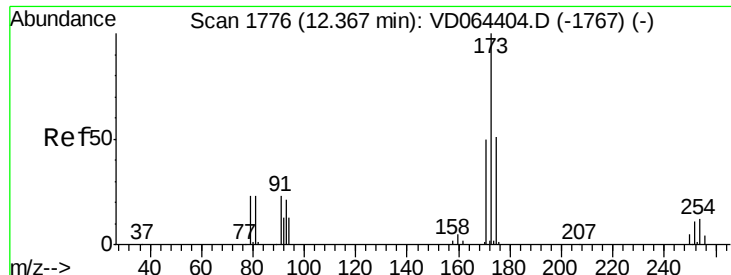
Tot Ion:106 Resp: 183318
Ion Ratio Lower Upper
106 100
91 208.0 103.8 311.4



#70
Styrene
Concen: 21.360 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion:104 Resp: 313749
Ion Ratio Lower Upper
104 100
78 48.3 38.8 58.2
103 55.3 44.2 66.4

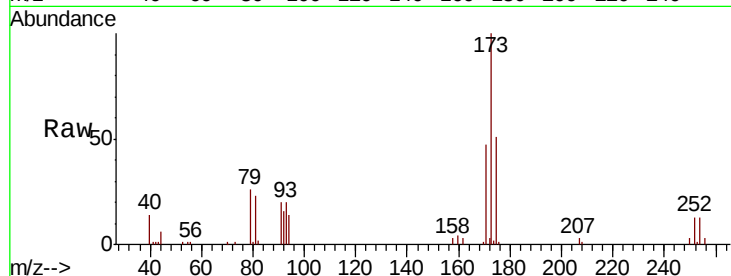




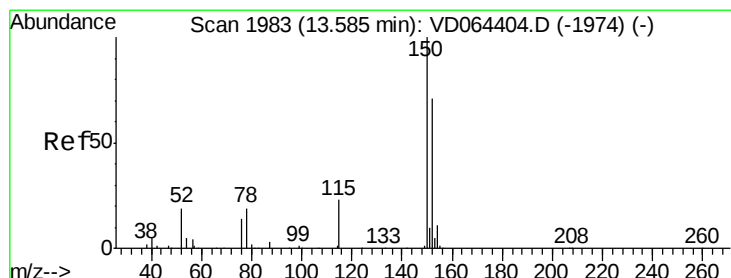
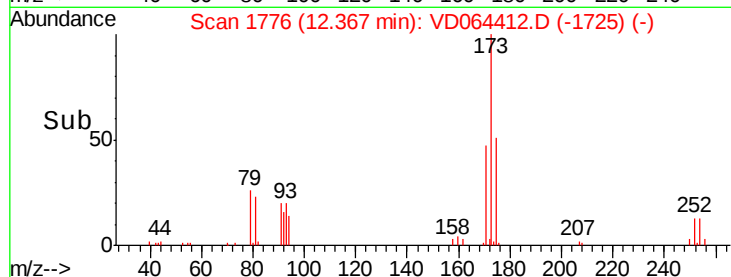
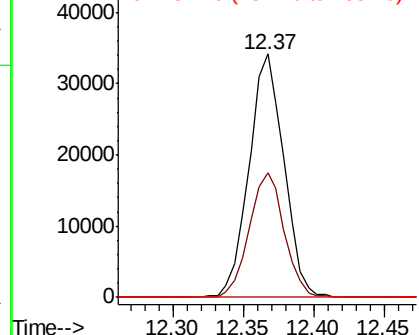
#71
Bromoform
Concen: 19.795 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 59145
Ion Ratio Lower Upper
173 100
175 51.1 25.3 75.8
254 0.0 0.0 0.0

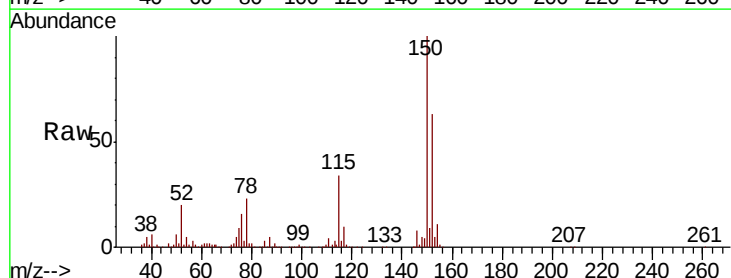


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

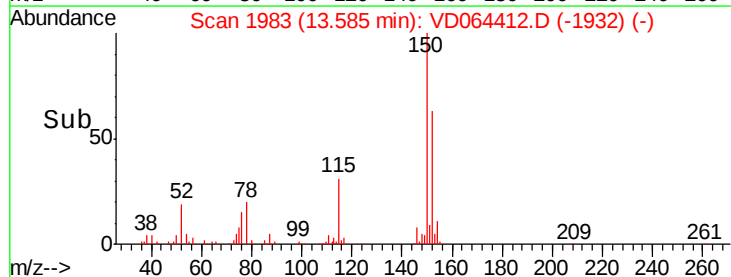
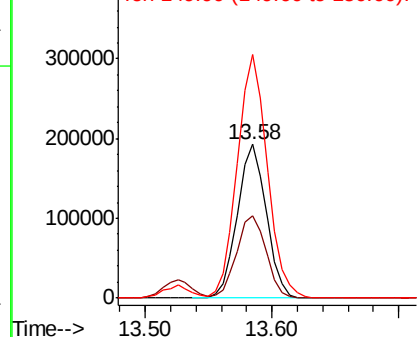


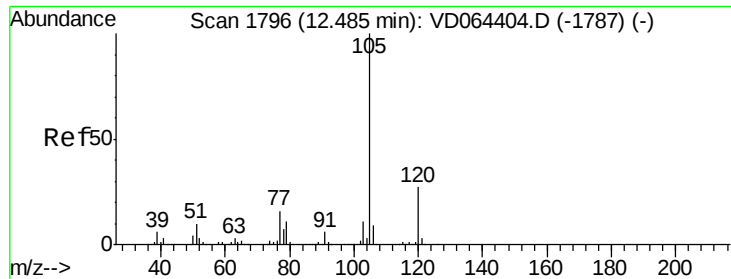
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion:152 Resp: 302676
Ion Ratio Lower Upper
152 100
115 54.7 26.7 80.1
150 164.7 0.0 347.2



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





#73

Isopropylbenzene

Concen: 22.737 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

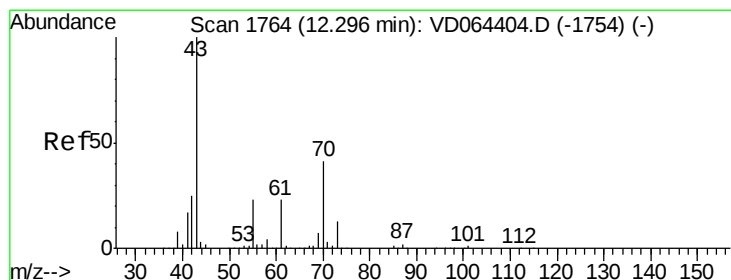
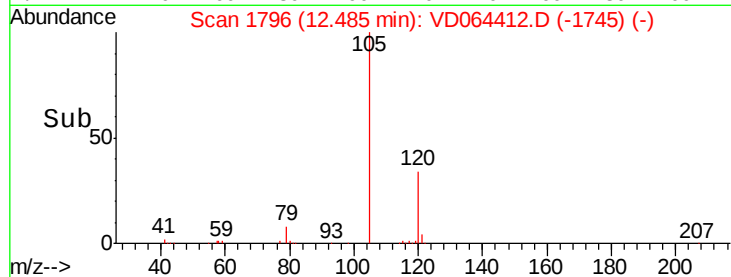
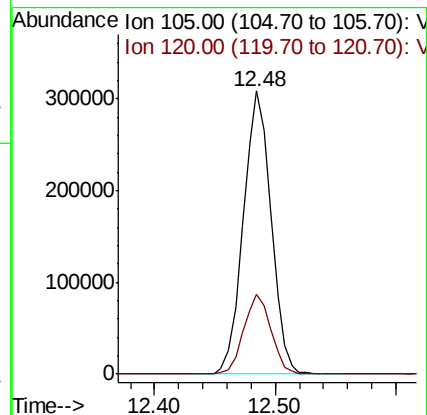
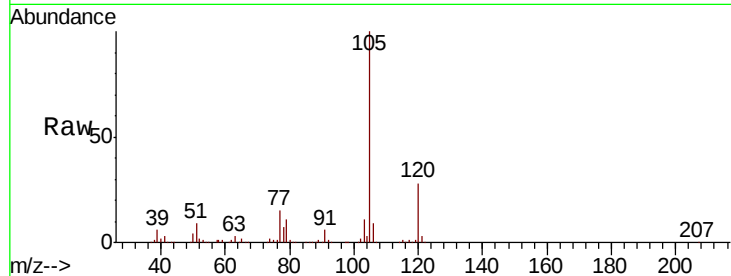
ClientSampleId :

Tot Ion:105 Resp: 494953

Ion Ratio Lower Upper

105 100

120 27.7 13.4 40.2



#74

N-ethyl acetate

Concen: 21.262 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion: 43 Resp: 105048

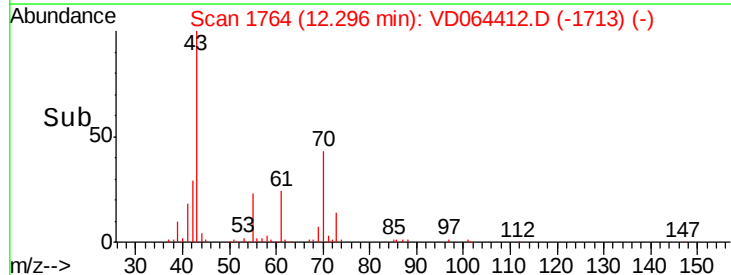
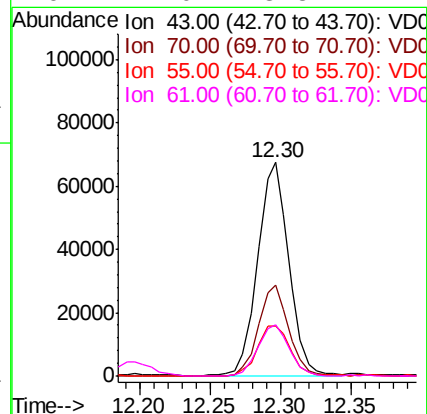
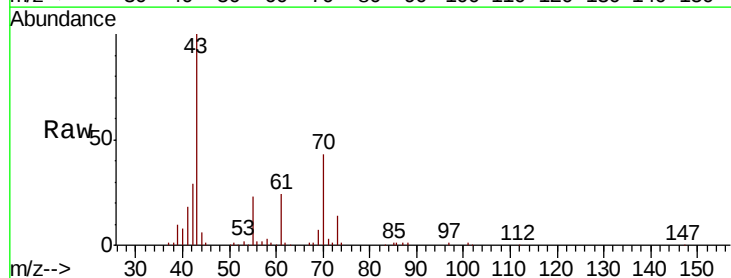
Ion Ratio Lower Upper

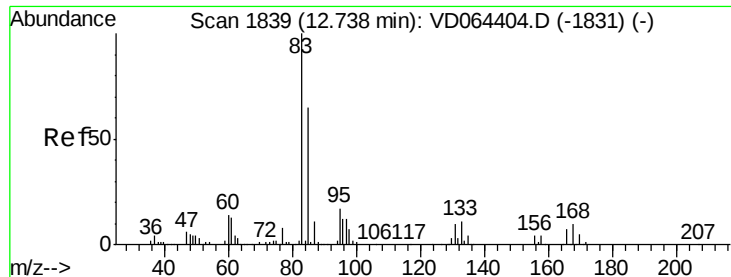
43 100

70 41.4 33.4 50.2

55 24.8 18.9 28.3

61 24.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.083 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

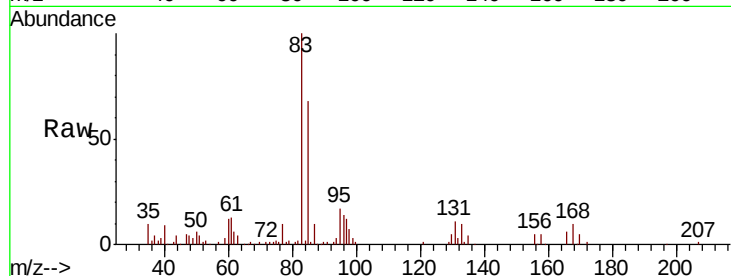
Tot Ion: 83 Resp: 79496

Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.7	17.0
85	65.9	31.3	93.9

83 100

131 11.9 5.7 17.0

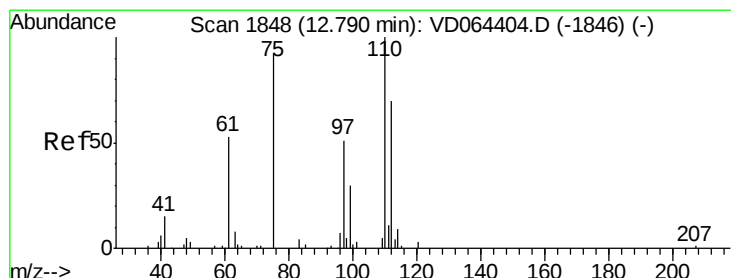
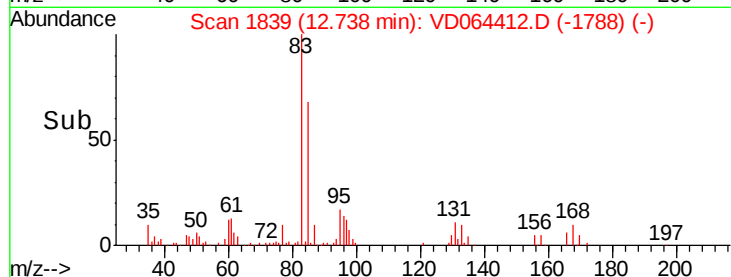
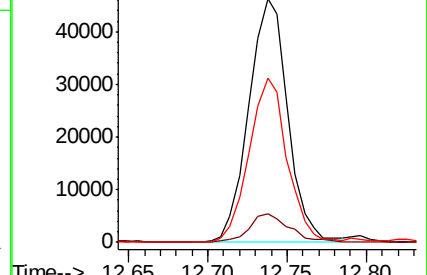
85 65.9 31.3 93.9



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: 41.645 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064412.D

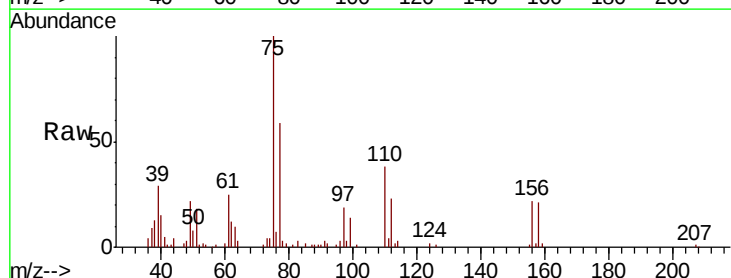
Acq: 04 Dec 2019 12:57

Tgt Ion: 75 Resp: 103660

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

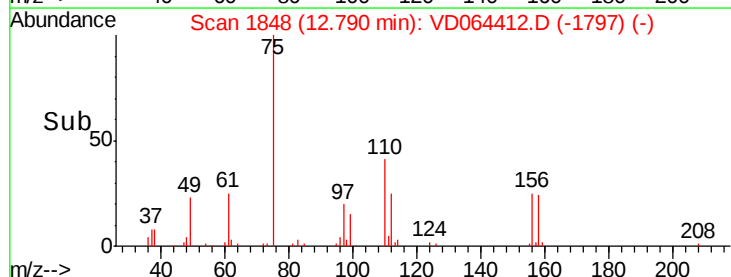
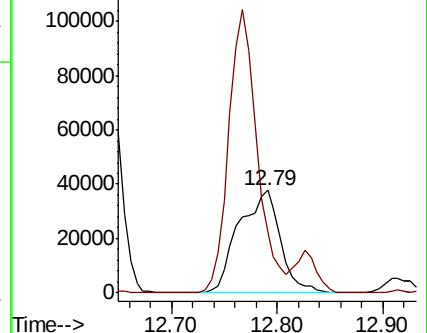
75 100

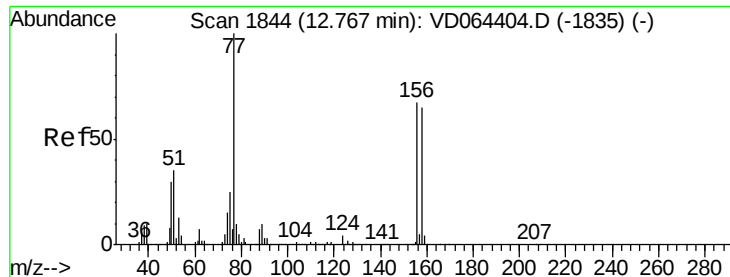
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.627 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

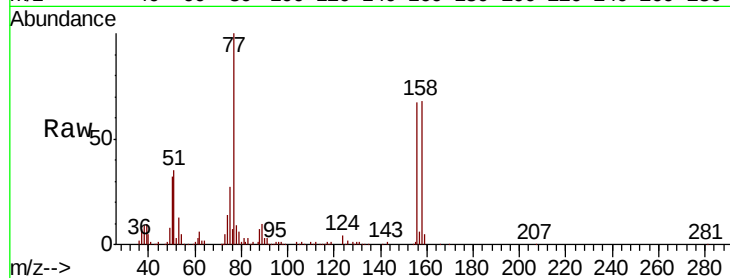
Tot Ion:156 Resp: 121638

Ion Ratio Lower Upper

156 100

77 160.8 80.0 240.2

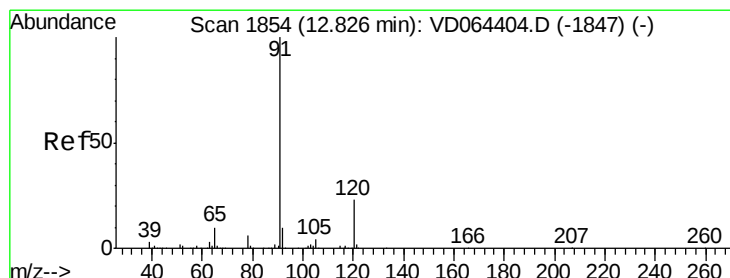
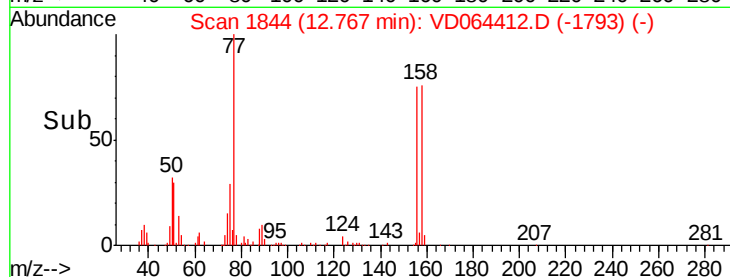
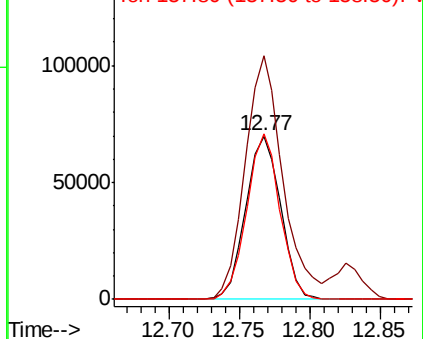
158 96.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.850 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064412.D

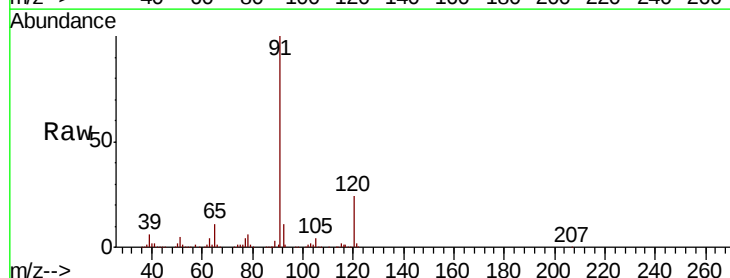
Acq: 04 Dec 2019 12:57

Tgt Ion: 91 Resp: 573926

Ion Ratio Lower Upper

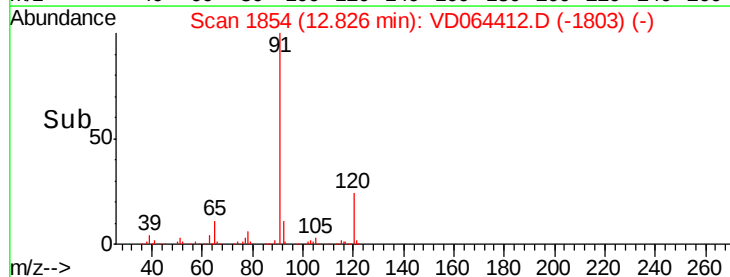
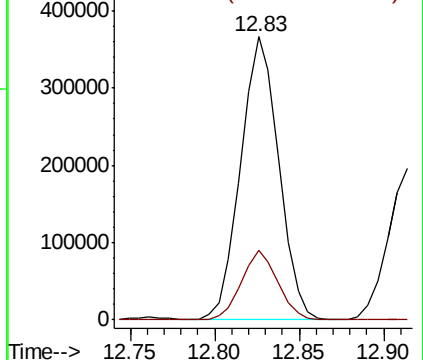
91 100

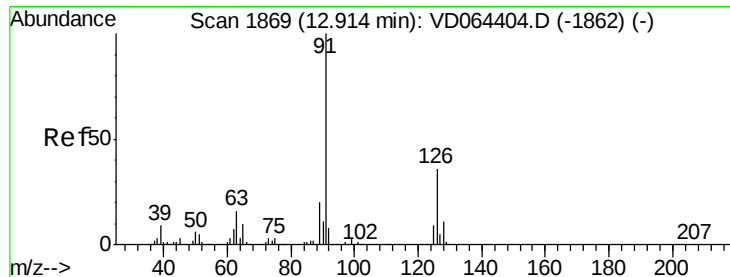
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

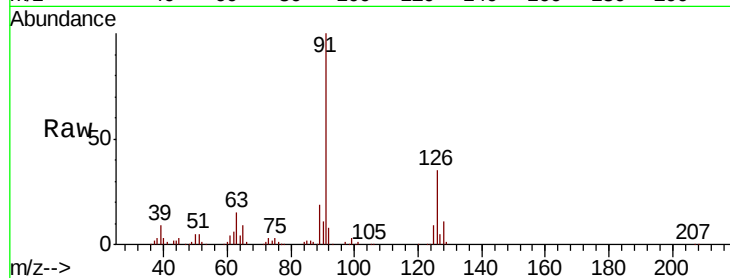




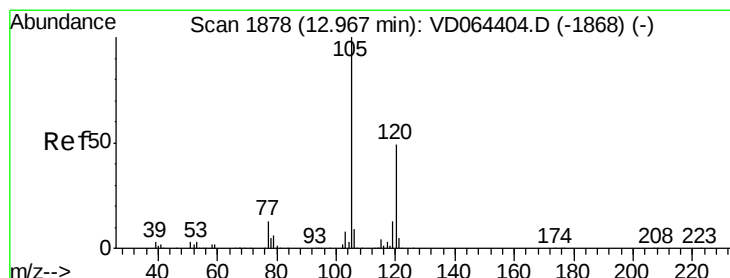
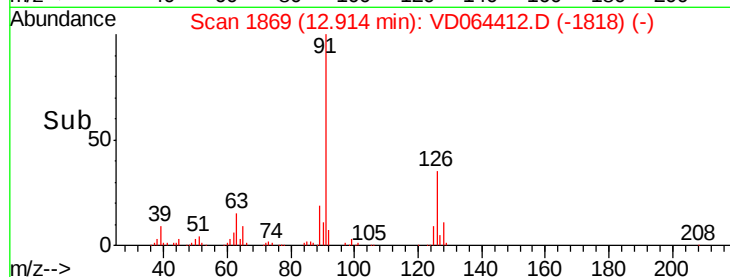
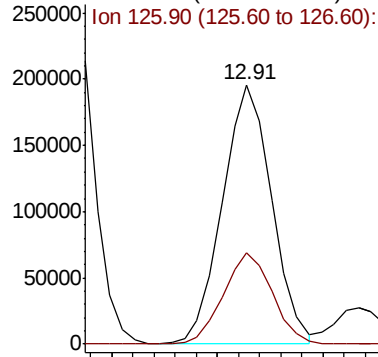
#79
2-Chlorotoluene
Concen: 22.848 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 315768
Ion Ratio Lower Upper
91 100
126 35.2 18.0 54.0

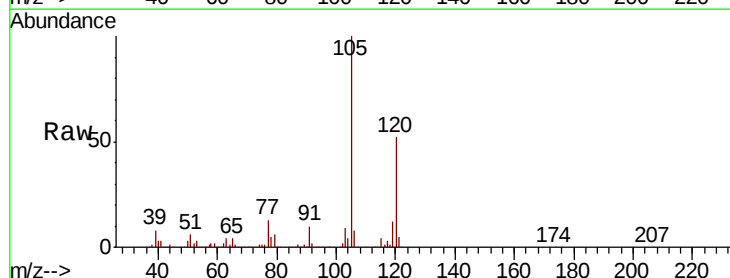


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

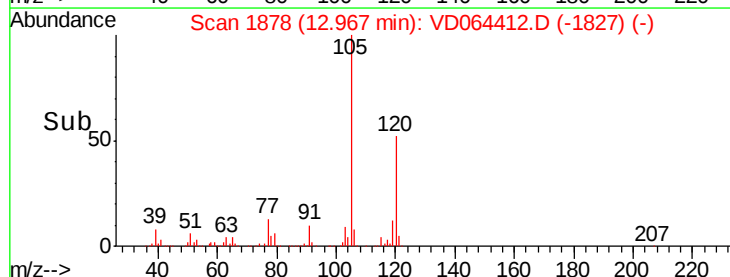
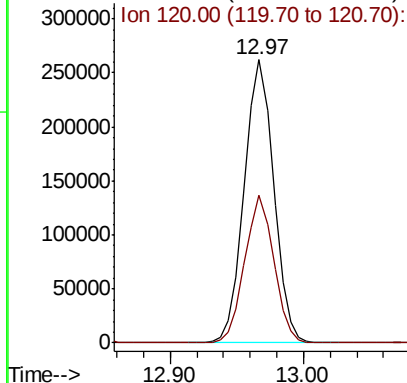


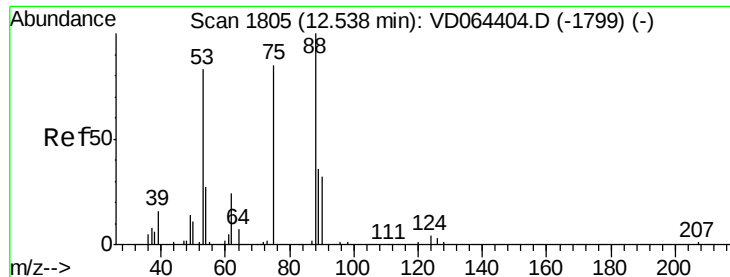
#80
1,3,5-Trimethylbenzene
Concen: 22.508 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 105 Resp: 400395
Ion Ratio Lower Upper
105 100
120 51.4 25.1 75.3



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





#81

trans-1,4-Dichloro-2-butene

Concen: 22.349 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

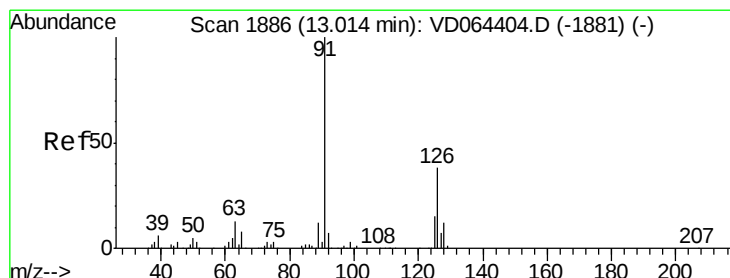
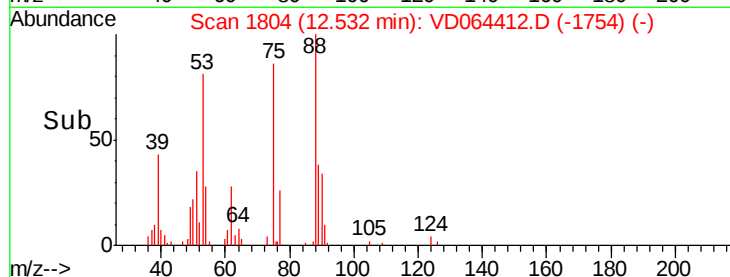
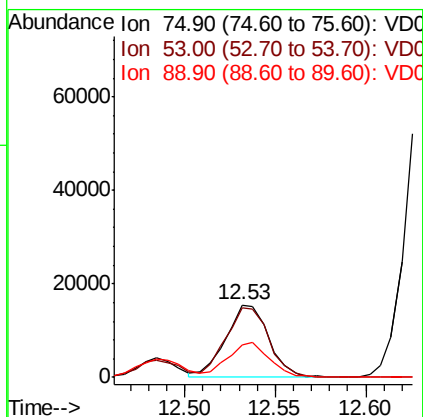
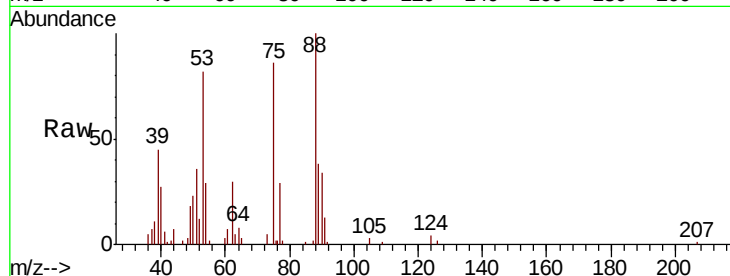
Tot Ion: 75 Resp: 25512

Ion Ratio Lower Upper

75 100

53 96.3 81.0 121.6

89 47.1 38.5 57.7



#82

4-Chlorotoluene

Concen: 22.338 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD064412.D

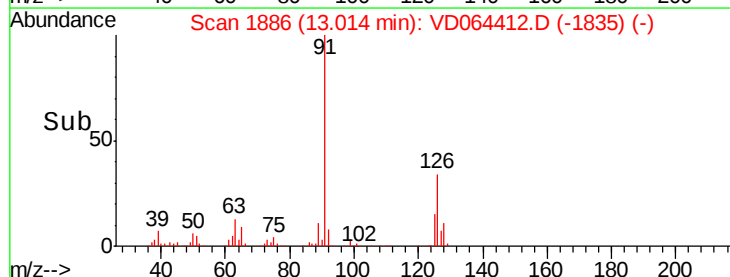
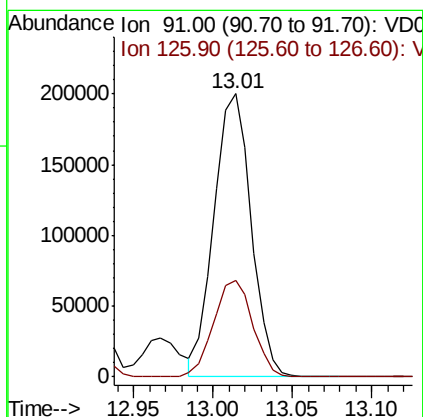
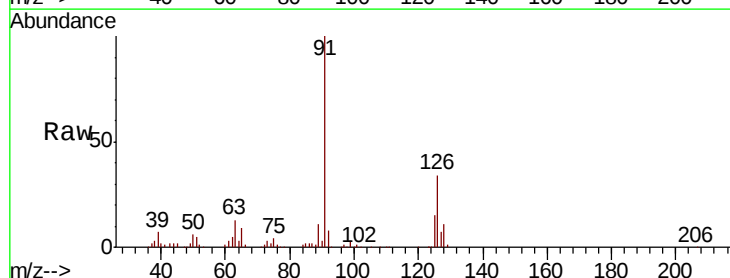
Acq: 04 Dec 2019 12:57

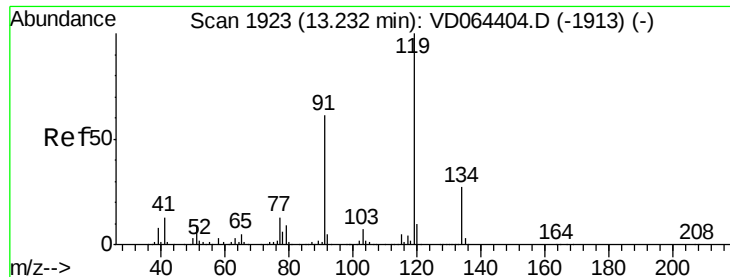
Tgt Ion: 91 Resp: 326877

Ion Ratio Lower Upper

91 100

126 35.8 18.2 54.6

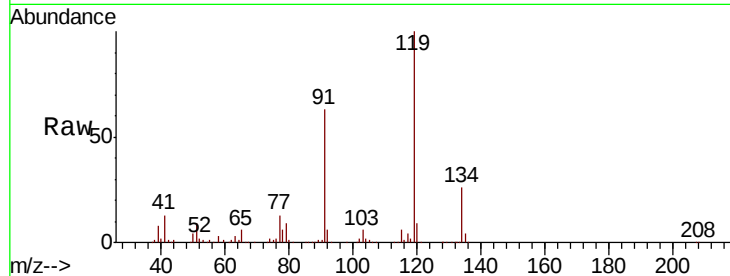




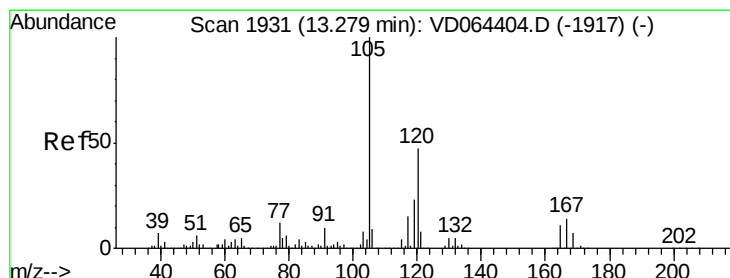
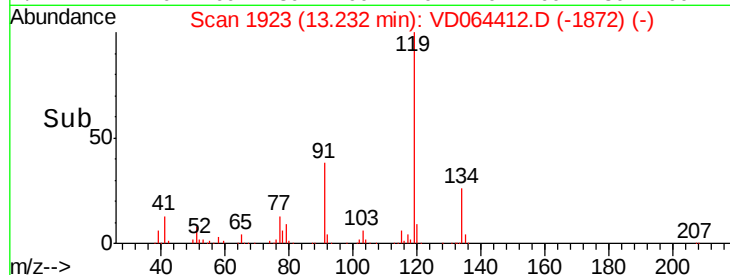
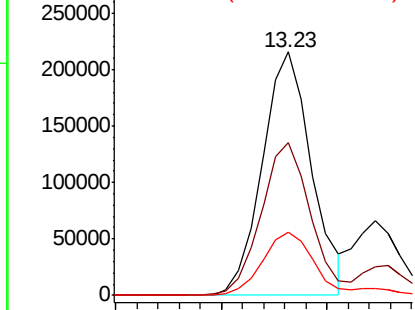
#83
tert-Butylbenzene
Concen: 22.628 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 349960
Ion Ratio Lower Upper
119 100
91 63.3 31.2 93.6
134 26.4 13.9 41.7

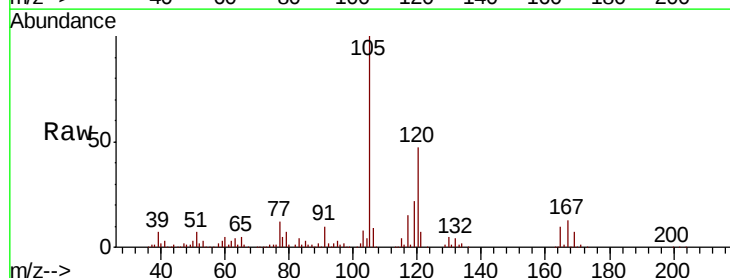


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

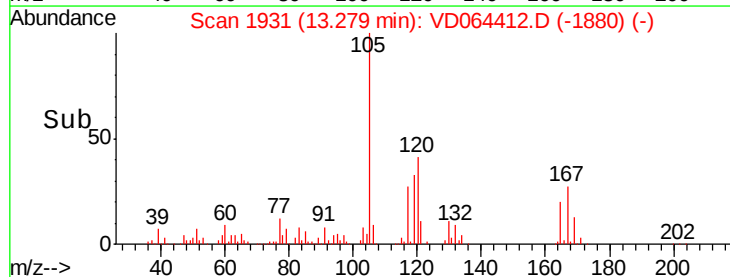
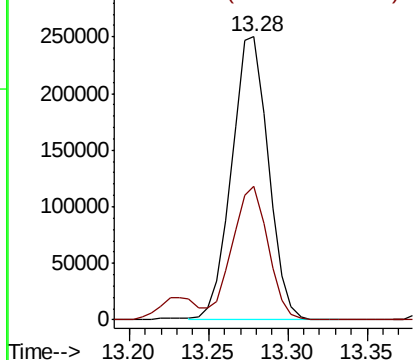


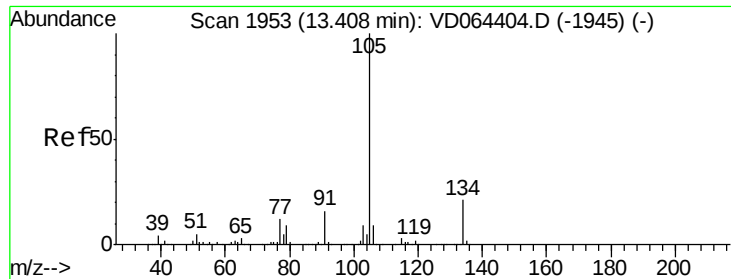
#84
1,2,4-Trimethylbenzene
Concen: 22.472 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion:105 Resp: 401975
Ion Ratio Lower Upper
105 100
120 45.9 23.6 70.8



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





#85

sec-Butylbenzene

Concen: 22.549 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

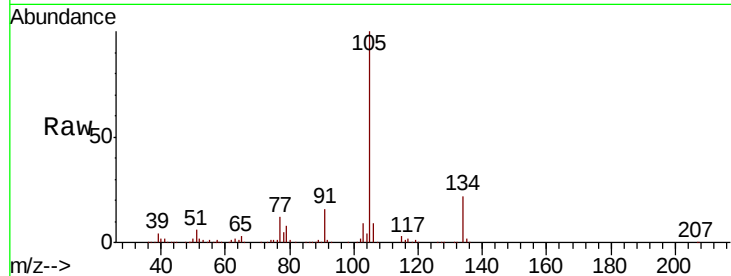
ClientSampleId :

Tot Ion:105 Resp: 478628

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

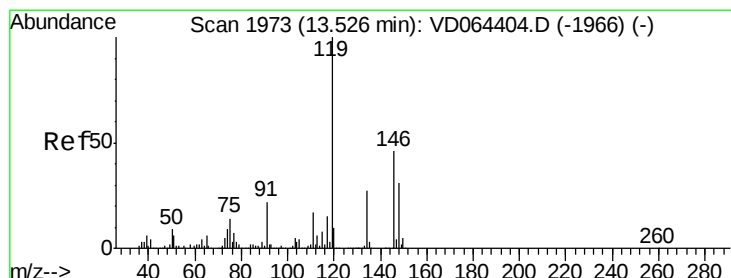
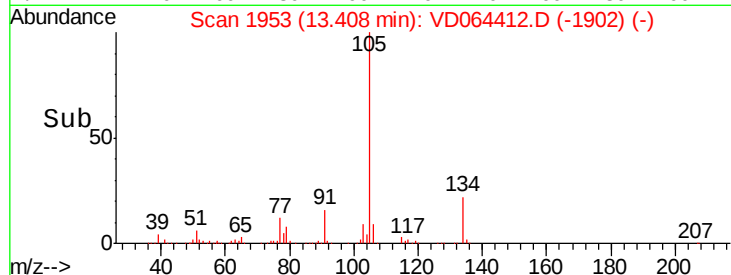
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.473 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

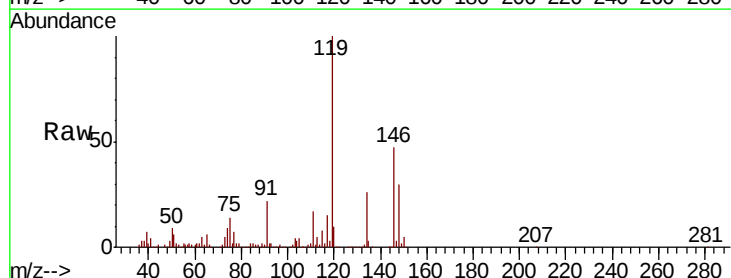
Tgt Ion:119 Resp: 450339

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.2 11.2 33.5



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

13.53

400000

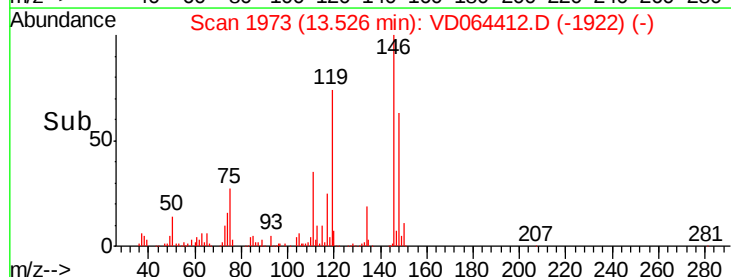
300000

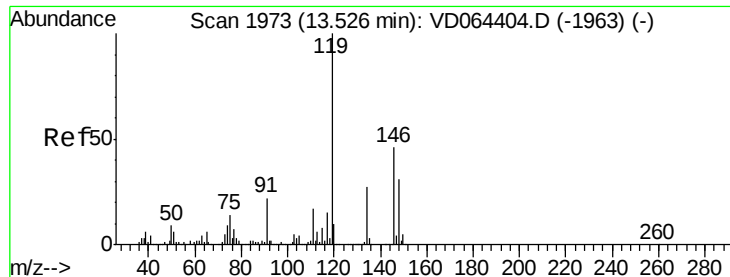
200000

100000

0

Time-->

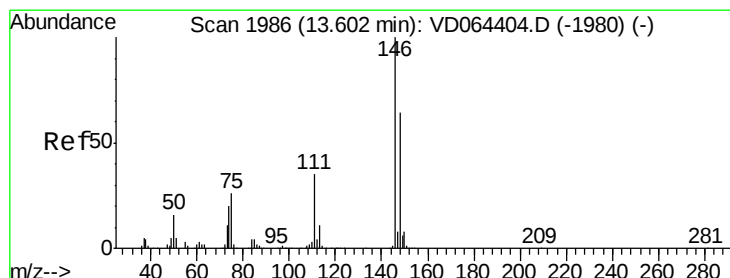
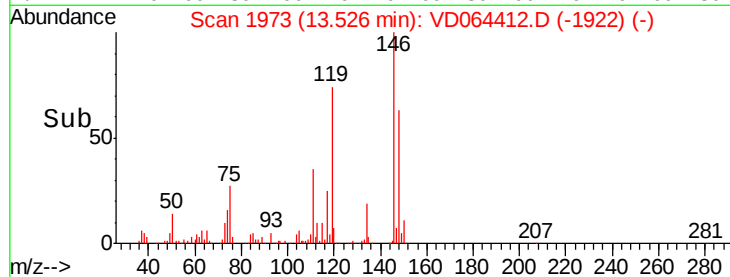
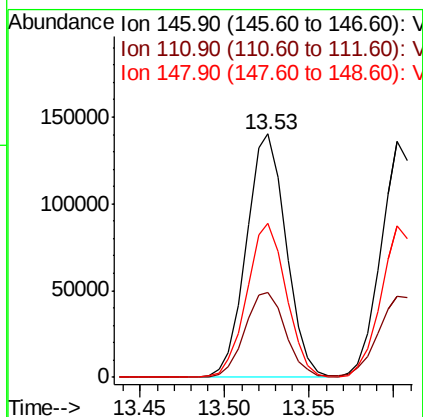
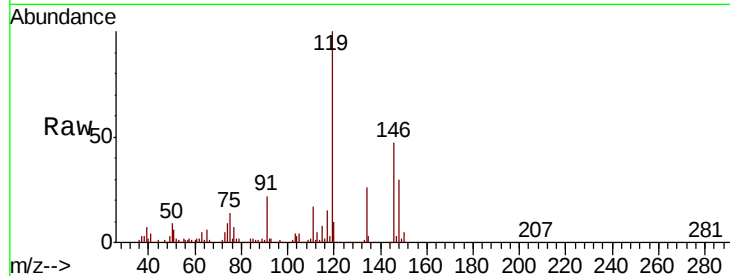




#87
 1,3-Dichlorobenzene
 Concen: 22.435 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

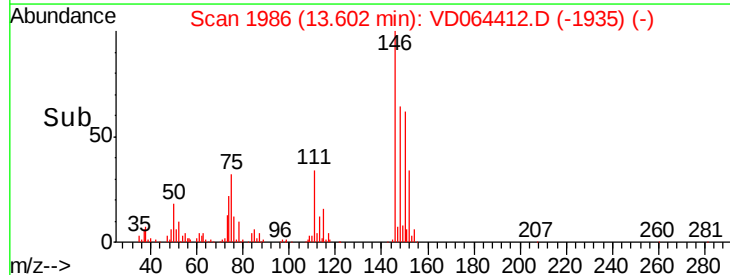
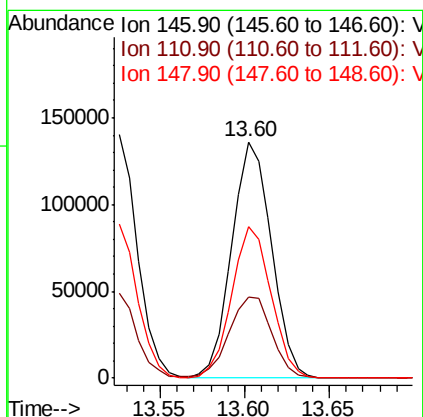
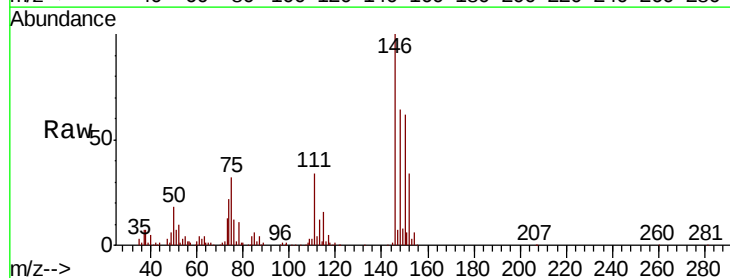
Instrument :
 MSVOA_D
 ClientSampleId :

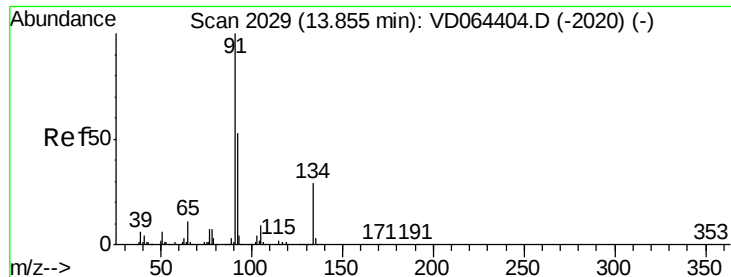
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.8	56.4
148	62.9	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 22.162 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.2	54.6
148	63.8	31.8	95.4

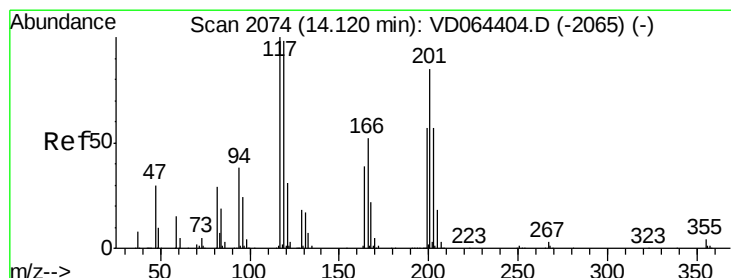
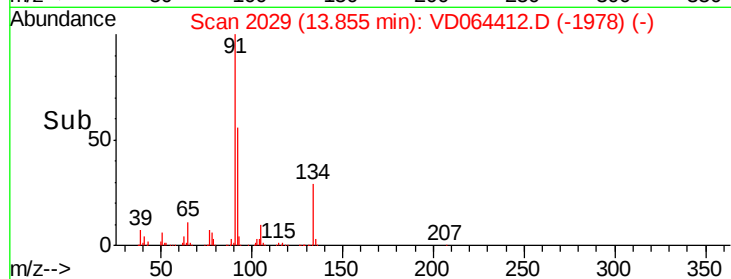
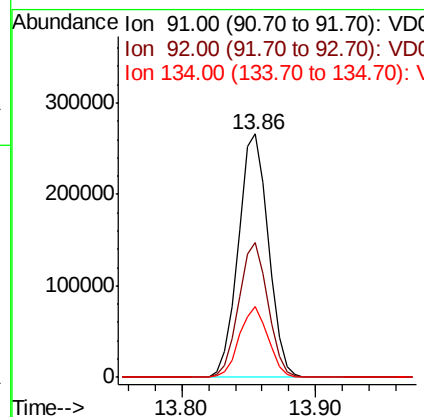
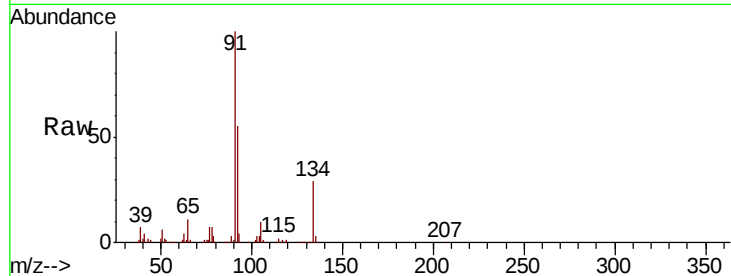




#89
n-Butylbenzene
Concen: 22.779 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

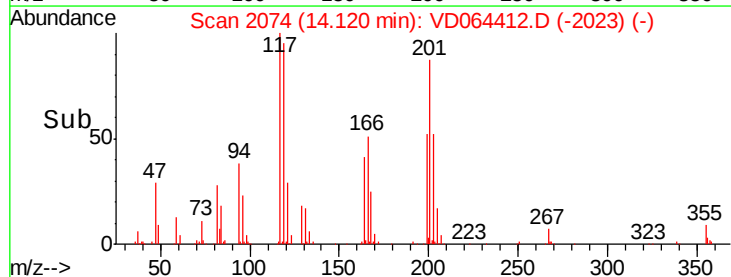
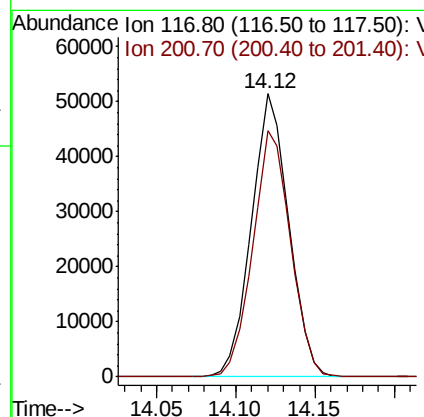
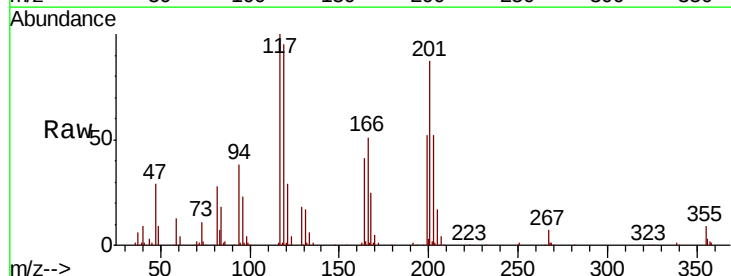
Instrument :
MSVOA_D
ClientSampleId :

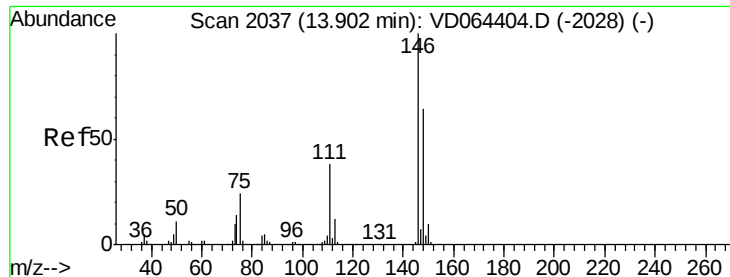
Tot Ion: 91 Resp: 414532
Ion Ratio Lower Upper
91 100
92 53.9 26.5 79.4
134 27.7 13.9 41.7



#90
Hexachloroethane
Concen: 22.451 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 117 Resp: 84150
Ion Ratio Lower Upper
117 100
201 87.6 44.3 132.8

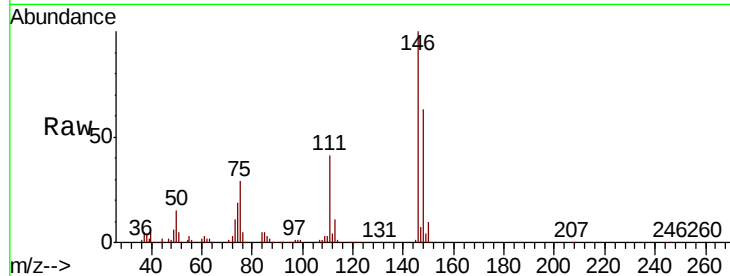




#91
 1,2-Dichlorobenzene
 Concen: 22.499 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	62.7	32.0	96.0

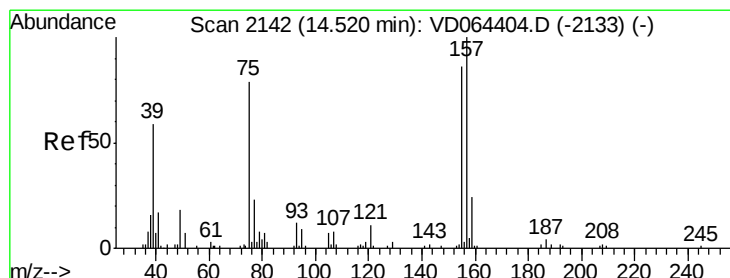
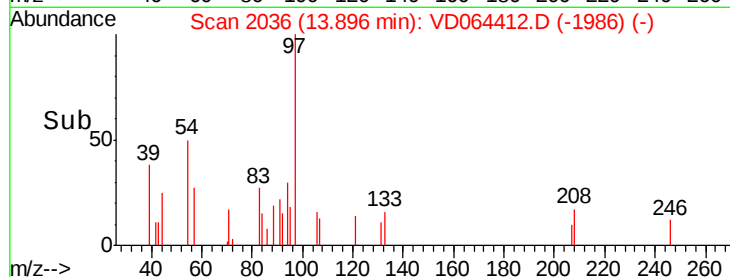
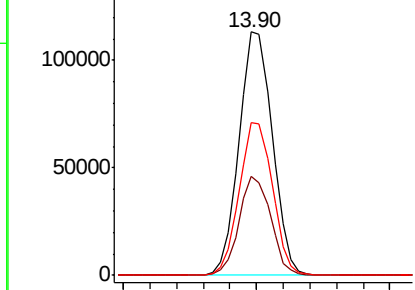


Abundance

Ion 145.90 (145.60 to 146.60): V

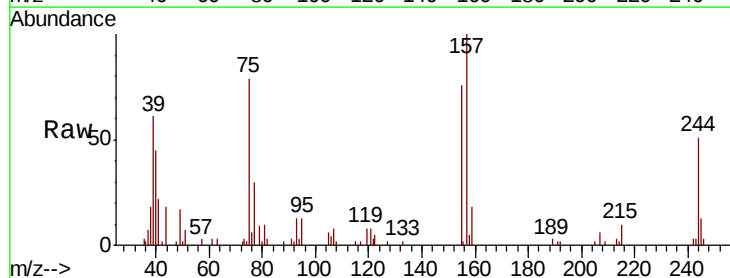
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.361 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	51.9	155.7
157	108.3	63.2	189.8

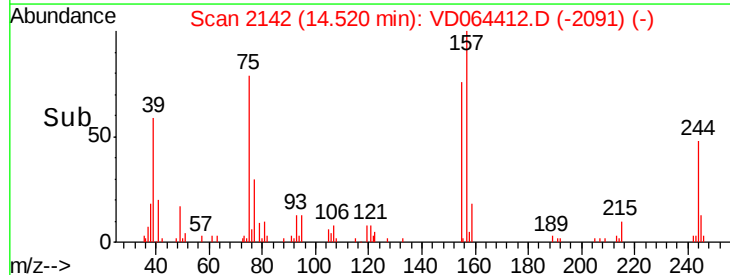
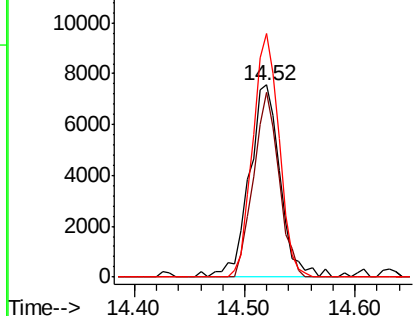


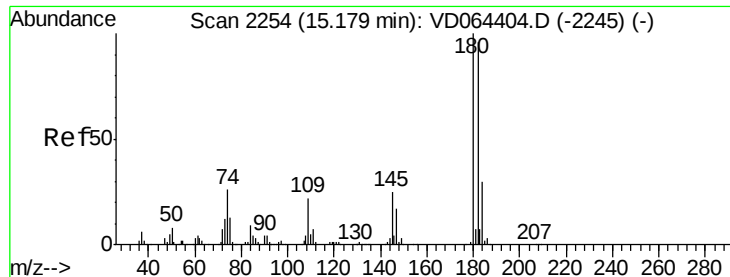
Abundance

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

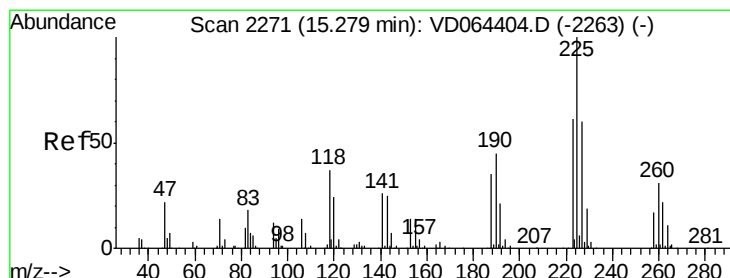
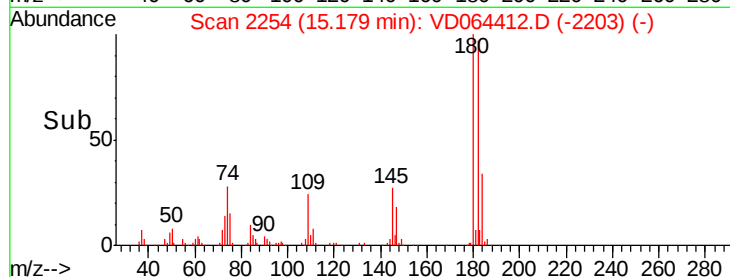
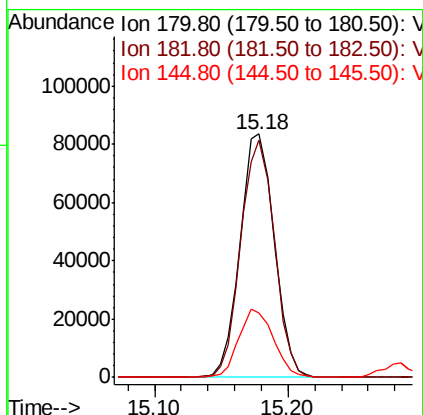
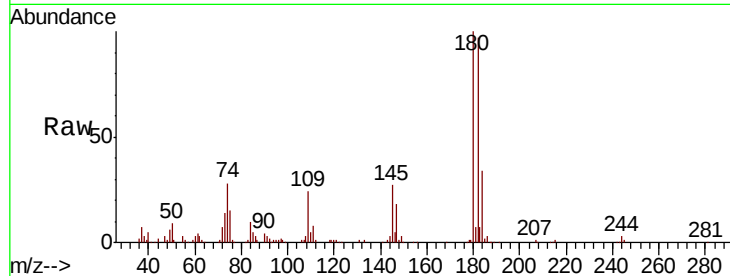




#93
 1,2,4-Trichlorobenzene
 Concen: 22.182 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

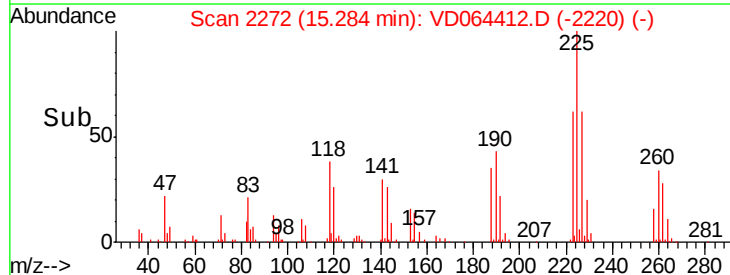
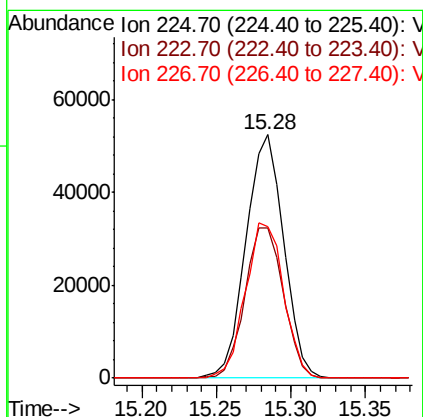
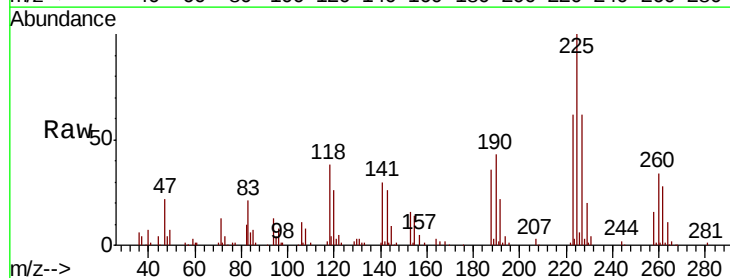
Instrument :
 MSVOA_D
 ClientSampled :

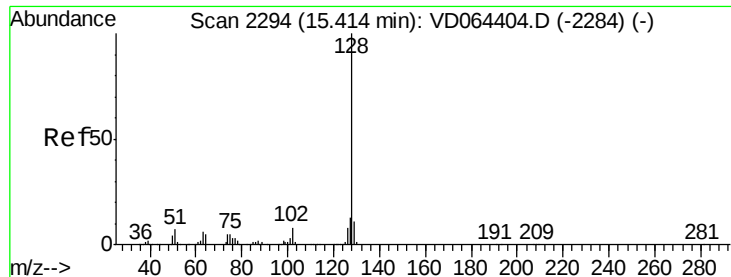
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.3
145	28.5	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 22.216 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.3
227	64.4	31.8	95.4





#95

Naphthalene

Concen: 21.838 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

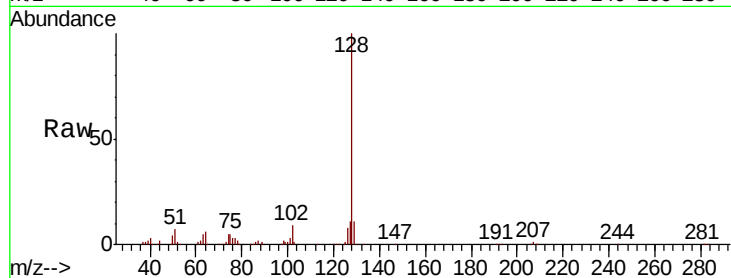
Tot Ion:128 Resp: 243382

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

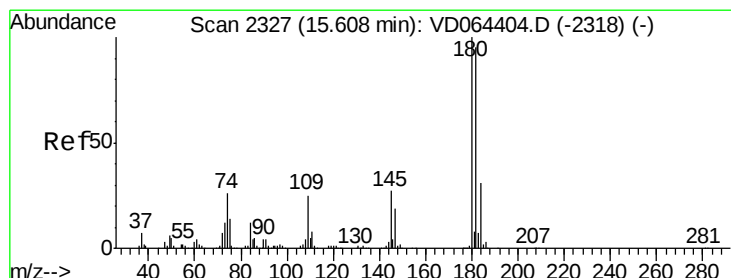
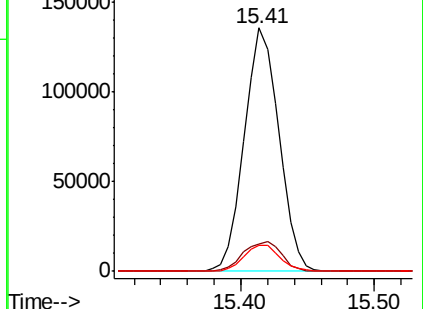
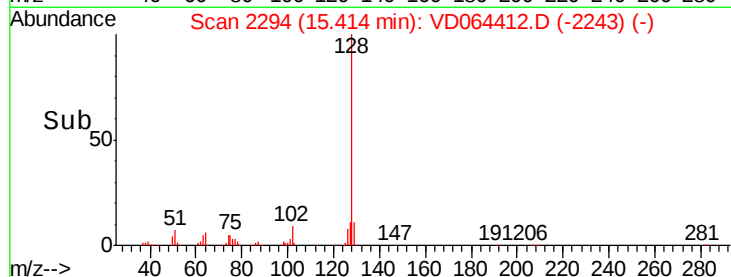
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.418 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

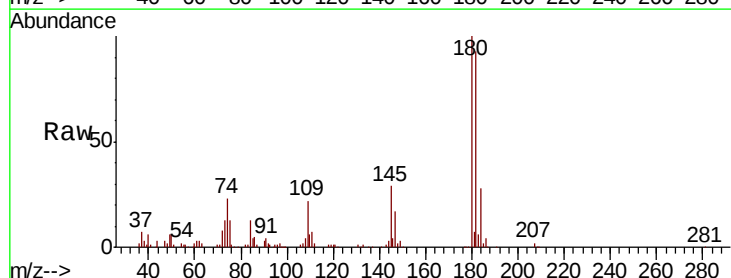
Tgt Ion:180 Resp: 127790

Ion Ratio Lower Upper

180 100

182 95.1 47.6 142.9

145 29.5 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

