

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064409.D
 Acq On : 04 Dec 2019 11:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:47:32 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	529135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	765074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	659562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	253782	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.91	113	260382	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.34	98	999857	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
62) 4-Bromofluorobenzene	12.64	95	320647	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	248542	51.839	ug/l	98
3) Chloromethane	2.21	50	300415	49.679	ug/l	99
4) Vinyl Chloride	2.36	62	359333	51.465	ug/l	99
5) Bromomethane	2.77	94	235305	45.572	ug/l	100
6) Chloroethane	2.93	64	231513	49.608	ug/l	98
7) Trichlorofluoromethane	3.27	101	599946	51.688	ug/l	97
8) Diethyl Ether	3.71	74	121933	50.553	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	266695	53.588	ug/l	98
10) Methyl Iodide	4.29	142	292148	55.587	ug/l	99
11) Tert butyl alcohol	5.24	59	67269	220.646	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	255023	53.471	ug/l	99
13) Acrolein	3.93	56	102119	245.572	ug/l	98
14) Allyl chloride	4.71	41	410390	55.136	ug/l	97
15) Acrylonitrile	5.43	53	256696	243.375	ug/l	98
16) Acetone	4.16	43	261258	269.936	ug/l	97
17) Carbon Disulfide	4.40	76	805809	53.346	ug/l	97
18) Methyl Acetate	4.73	43	134847	47.765	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	551338	50.395	ug/l	99
20) Methylene Chloride	4.97	84	260711	53.309	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	283176	52.490	ug/l	99
22) Diisopropyl ether	6.37	45	775300	52.764	ug/l	98
23) Vinyl Acetate	6.31	43	2275582	262.693	ug/l	99
24) 1,1-Dichloroethane	6.27	63	466574	52.800	ug/l	98
25) 2-Butanone	7.22	43	334602	244.459	ug/l	93
26) 2,2-Dichloropropane	7.21	77	433122	56.361	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	311413	52.947	ug/l	99
28) Bromochloromethane	7.55	49	154750	51.243	ug/l	98
29) Tetrahydrofuran	7.57	42	206582	237.225	ug/l	97
30) Chloroform	7.71	83	478582	52.294	ug/l	99
31) Cyclohexane	7.98	56	447140	58.761	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	459529	54.160	ug/l	99
36) 1,1-Dichloropropene	8.11	75	393426	54.366	ug/l	98
37) Ethyl Acetate	7.30	43	155678	50.700	ug/l	100
38) Carbon Tetrachloride	8.10	117	423394	55.435	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	492556	54.871	ug/l	97
40) Benzene	8.35	78	1063440	52.910	ug/l	100
41) Methacrylonitrile	7.53	41	91970	52.228	ug/l	97
42) 1,2-Dichloroethane	8.43	62	299898	51.165	ug/l	99
43) Isopropyl Acetate	8.46	43	302379	50.084	ug/l	99
44) Trichloroethene	9.11	130	312857	51.675	ug/l	99
45) 1,2-Dichloropropane	9.39	63	256135	53.286	ug/l	98
46) Dibromomethane	9.47	93	138241	50.956	ug/l	99
47) Bromodichloromethane	9.66	83	365794	52.475	ug/l	97
48) Methyl methacrylate	9.46	41	139826	50.612	ug/l	95
49) 1,4-Dioxane	9.47	88	32478	969.461	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	725085	242.726	ug/l	100
52) Toluene	10.40	92	687887	52.516	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	354656	53.384	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	423991	53.722	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	185544	49.947	ug/l	98
56) Ethyl methacrylate	10.66	69	237213	50.066	ug/l	100
57) 1,3-Dichloropropane	10.95	76	320303	50.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	461933	244.570	ug/l	99
59) 2-Hexanone	10.99	43	513113	247.542	ug/l	100
60) Dibromochloromethane	11.14	129	252895	50.210	ug/l	98
61) 1,2-Dibromoethane	11.25	107	182247	49.135	ug/l	97
64) Tetrachloroethene	10.88	164	271622	54.004	ug/l	96
65) Chlorobenzene	11.67	112	724590	52.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	271990	53.411	ug/l	99
67) Ethyl Benzene	11.75	91	1335482	54.564	ug/l	98
68) m/p-Xylenes	11.86	106	1021997	109.512	ug/l	99
69) o-Xylene	12.18	106	465275	53.983	ug/l	99
70) Styrene	12.20	104	802488	53.579	ug/l	99
71) Bromoform	12.37	173	151487	49.721	ug/l #	98
73) Isopropylbenzene	12.48	105	1283810	55.879	ug/l	100
74) N-amyl acetate	12.30	43	272862	52.329	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	189732	49.939	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	255393	97.219	ug/l #	100
77) Bromobenzene	12.77	156	304246	53.626	ug/l	99
78) n-propylbenzene	12.83	91	1486233	56.067	ug/l	99
79) 2-Chlorotoluene	12.91	91	800692	54.894	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1047336	55.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	64822	53.805	ug/l	97
82) 4-Chlorotoluene	13.01	91	847169	54.856	ug/l	100
83) tert-Butylbenzene	13.23	119	909500	55.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1028582	54.484	ug/l	98
85) sec-Butylbenzene	13.41	105	1261313	56.304	ug/l	99
86) p-Isopropyltoluene	13.53	119	1196931	56.594	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	579286	53.796	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	563328	52.988	ug/l	99
89) n-Butylbenzene	13.86	91	1094804	57.002	ug/l	99
90) Hexachloroethane	14.13	117	218443	55.221	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	486100	52.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31562	56.135	ug/l	96

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

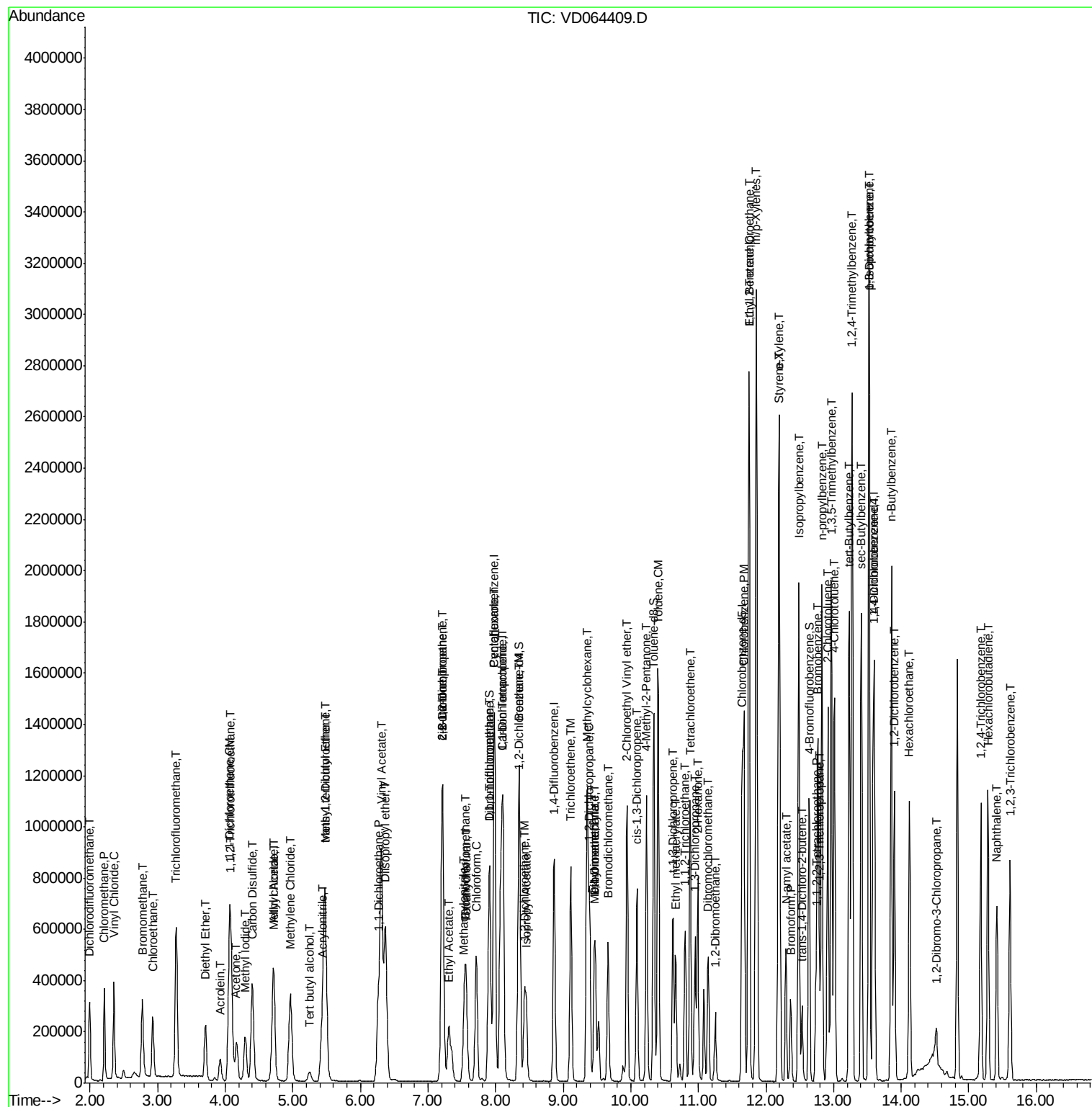
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	379110	53.791	ug/l	98
94) Hexachlorobutadiene	15.28	225	237870	54.671	ug/l	97
95) Naphthalene	15.41	128	602620	51.234	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	317524	52.779	ug/l	100

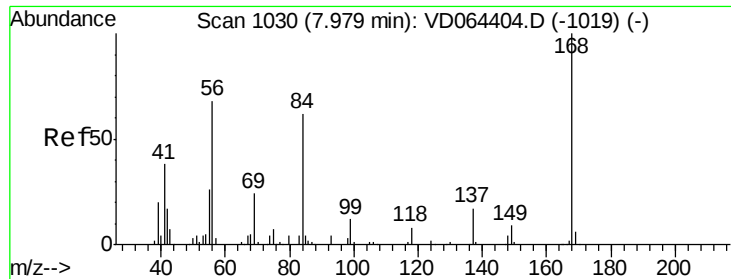
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

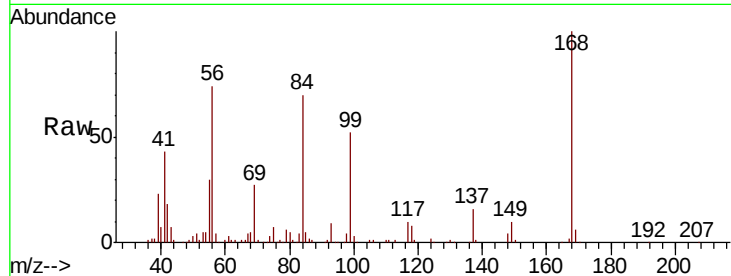
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 529135

Ion Ratio Lower Upper

168 100

99 51.7 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

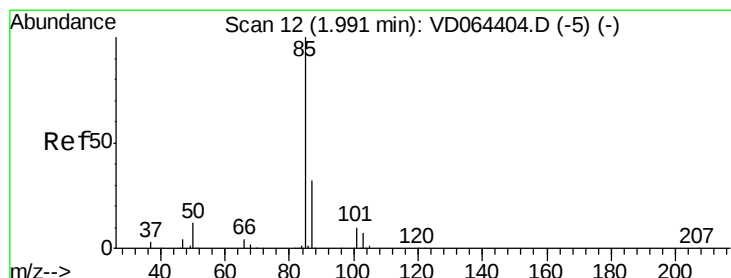
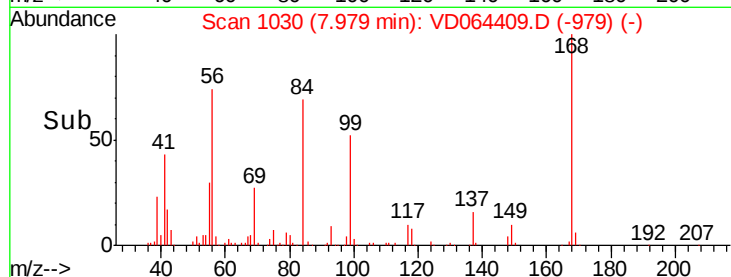
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.839 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064409.D

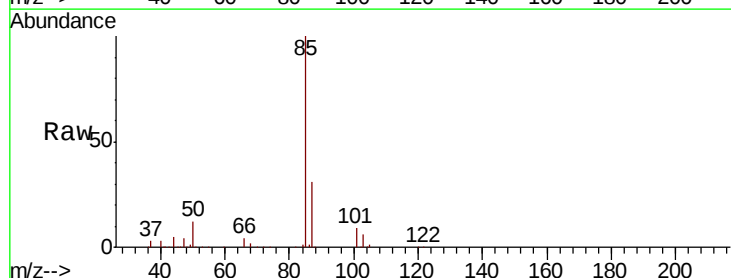
Acq: 04 Dec 2019 11:09

Tgt Ion: 85 Resp: 248542

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

200000

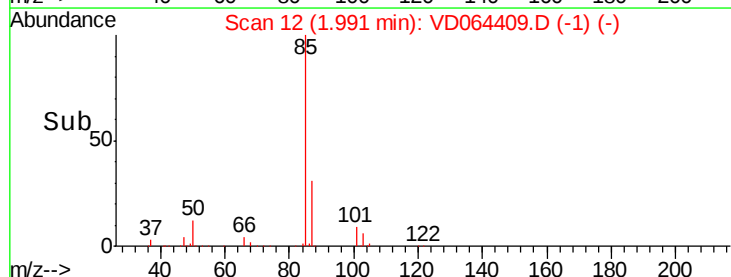
150000

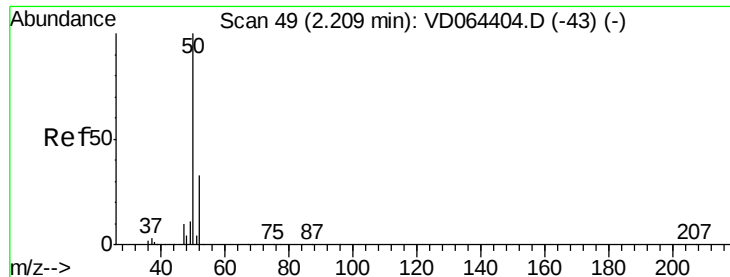
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.679 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

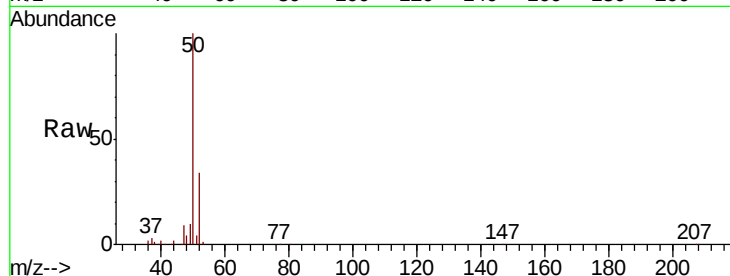
ClientSampleId :

Tot Ion: 50 Resp: 300415

Ion Ratio Lower Upper

50 100

52 34.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

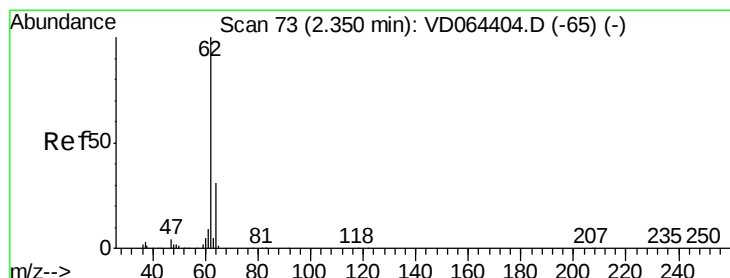
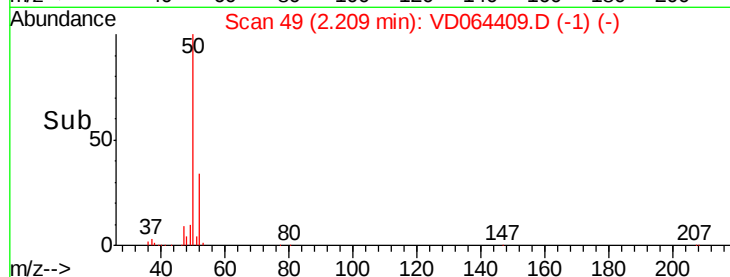
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 51.465 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064409.D

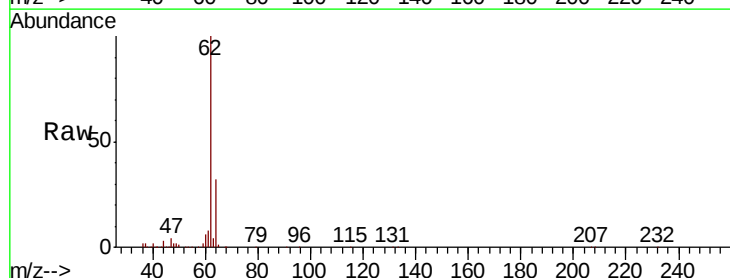
Acq: 04 Dec 2019 11:09

Tgt Ion: 62 Resp: 359333

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

250000

200000

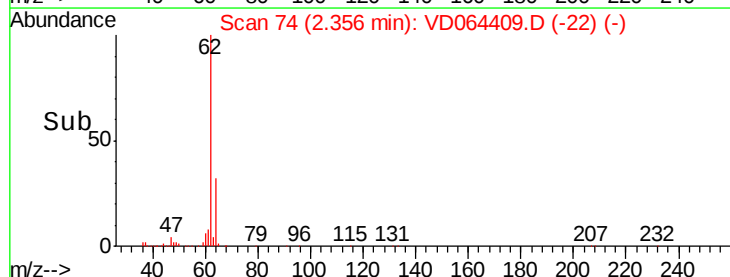
150000

100000

50000

0

Time--> 2.30 2.40 2.50





#5

Bromomethane

Concen: 45.572 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

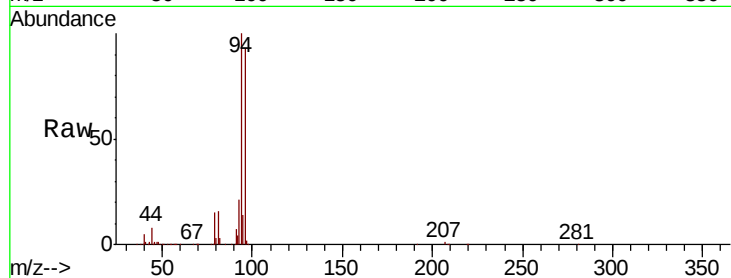
ClientSampleId :

Tot Ion: 94 Resp: 235305

Ion Ratio Lower Upper

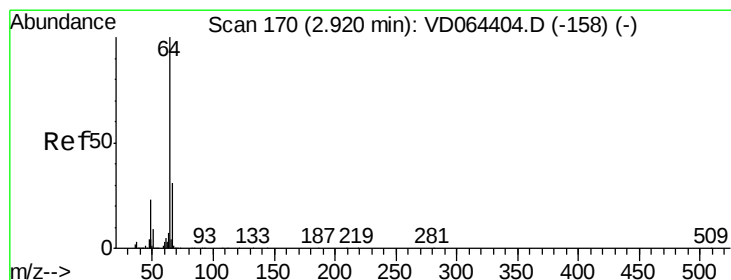
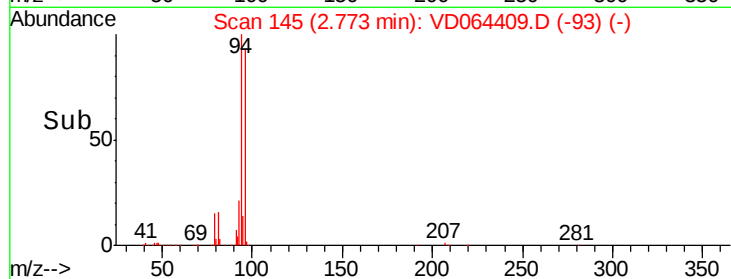
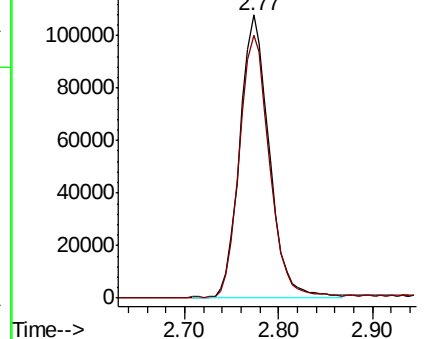
94 100

96 92.2 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: 49.608 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064409.D

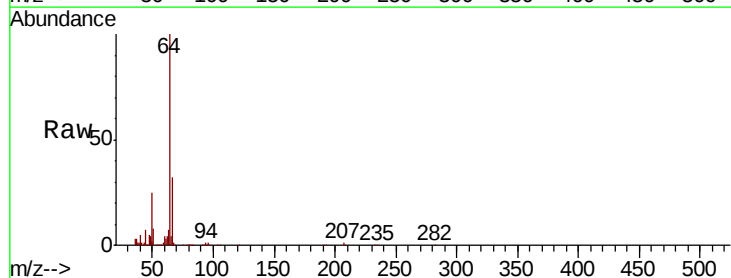
Acq: 04 Dec 2019 11:09

Tgt Ion: 64 Resp: 231513

Ion Ratio Lower Upper

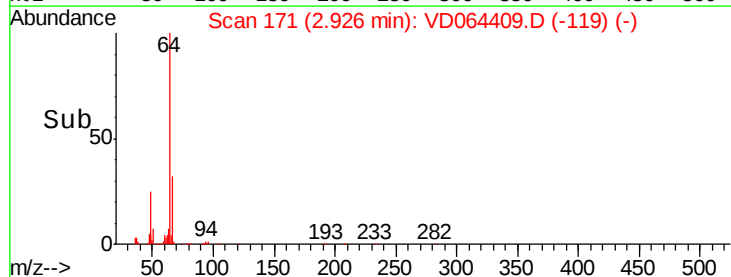
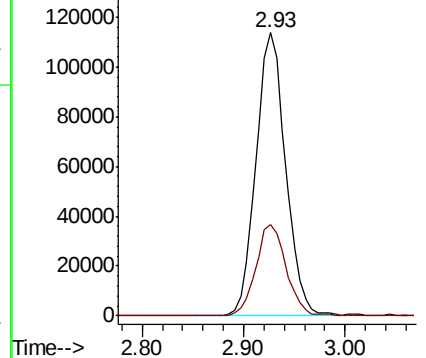
64 100

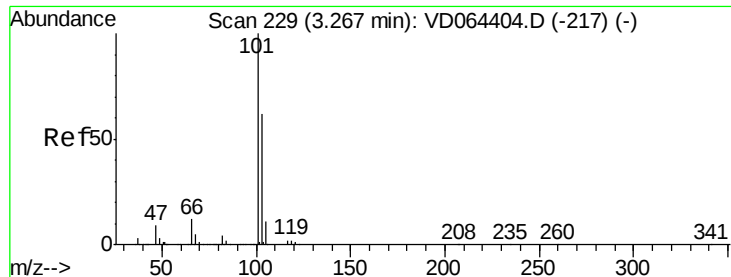
66 32.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



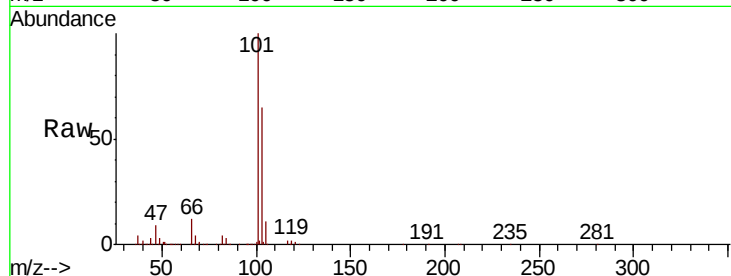


#7

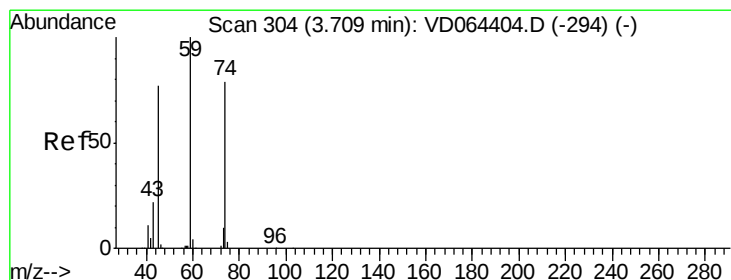
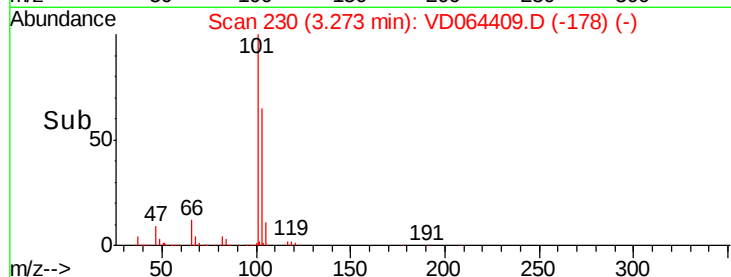
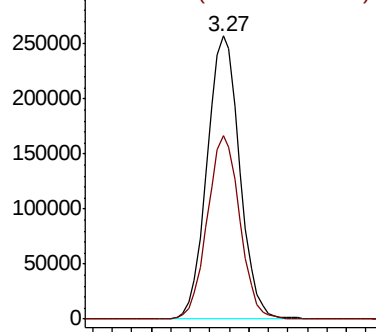
Trichlorofluoromethane
Concen: 51.688 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 599946
Ion Ratio Lower Upper
101 100
103 64.6 49.8 74.6



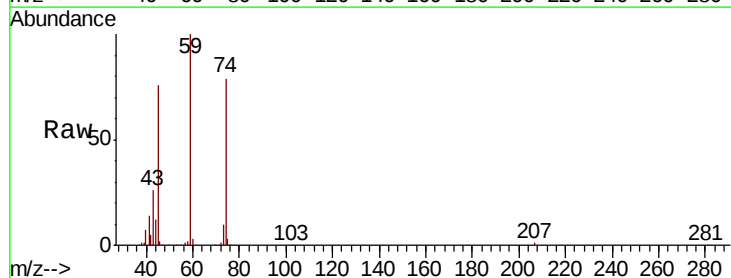
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



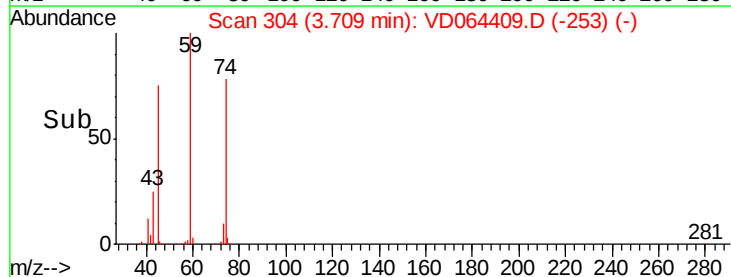
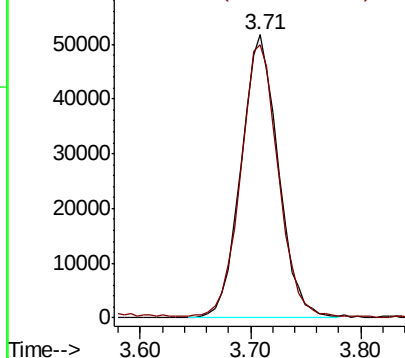
#8

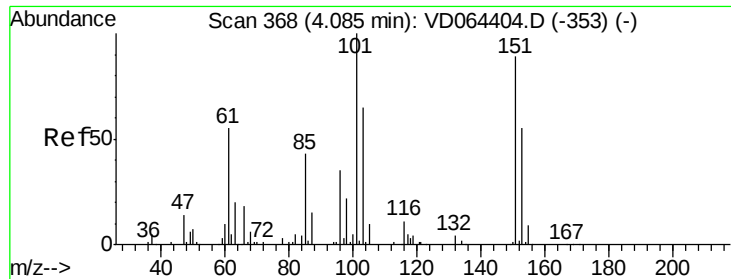
Diethyl Ether
Concen: 50.553 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 74 Resp: 121933
Ion Ratio Lower Upper
74 100
45 97.3 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: 53.588 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampled :

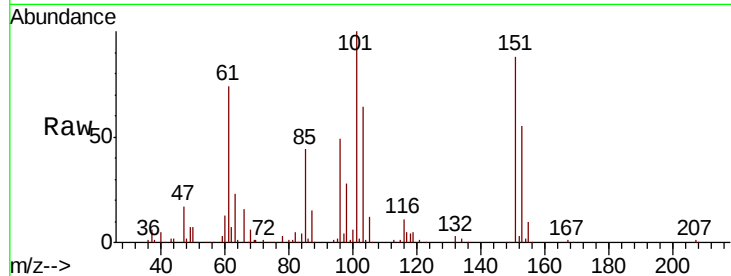
Tot Ion:101 Resp: 266695

Ion Ratio Lower Upper

101 100

85 44.4 34.8 52.2

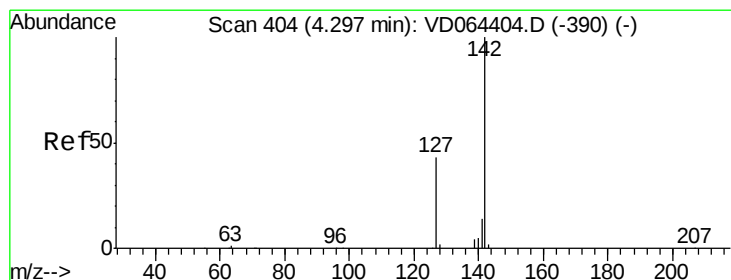
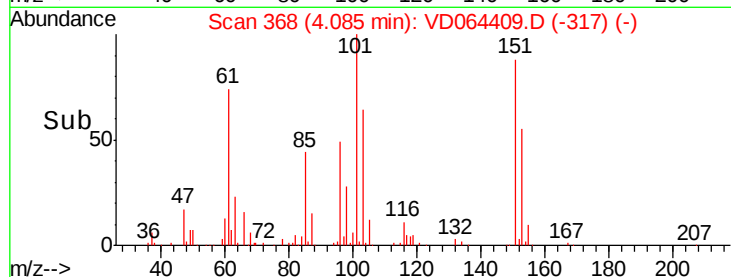
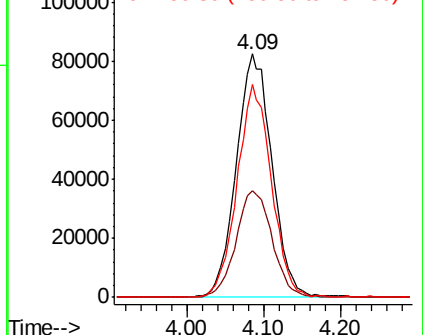
151 83.7 68.8 103.2



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: 55.587 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

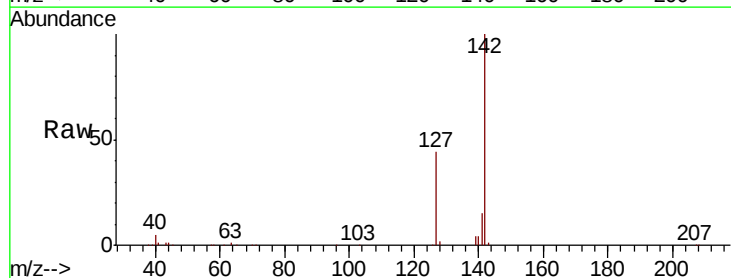
Tgt Ion:142 Resp: 292148

Ion Ratio Lower Upper

142 100

127 43.5 35.3 52.9

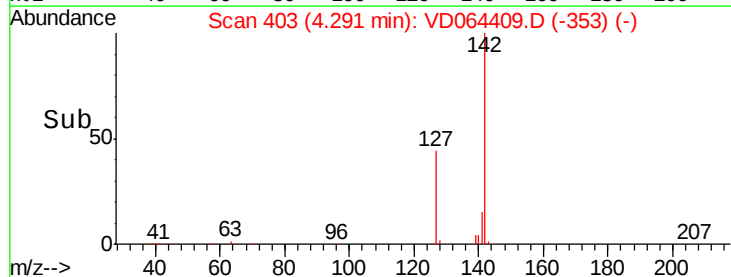
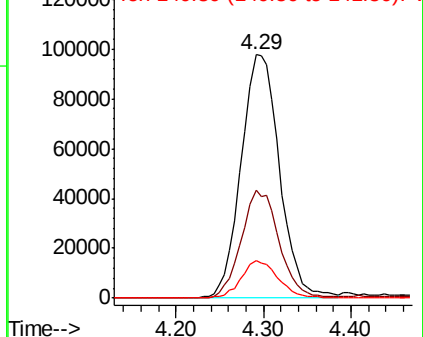
141 14.7 11.6 17.4

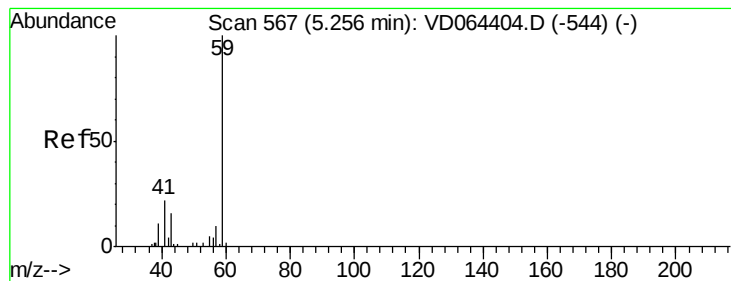


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



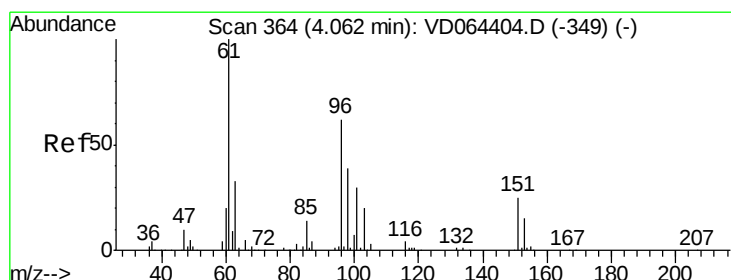
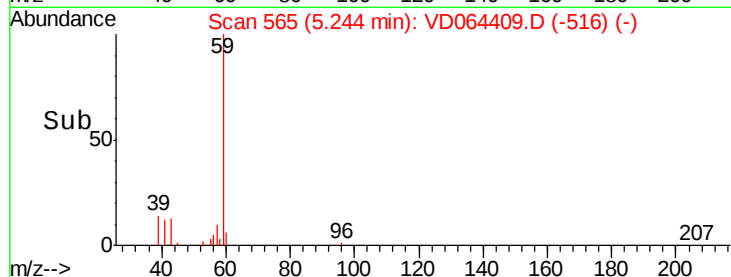
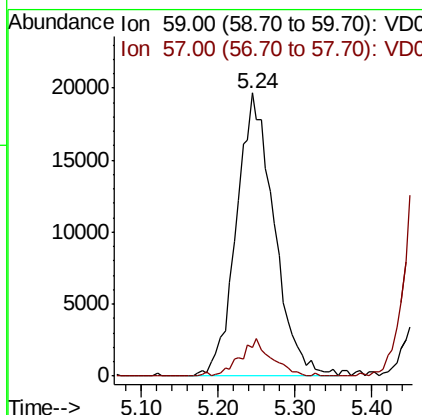
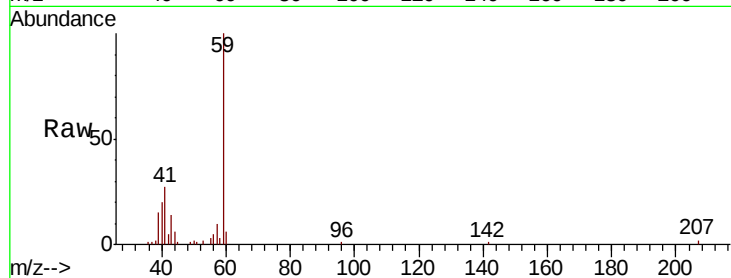


#11

Tert butyl alcohol
 Concen: 220.646 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :

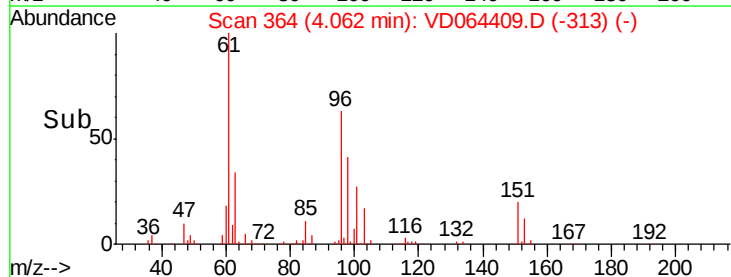
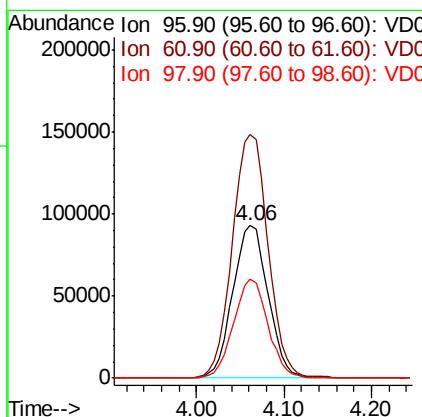
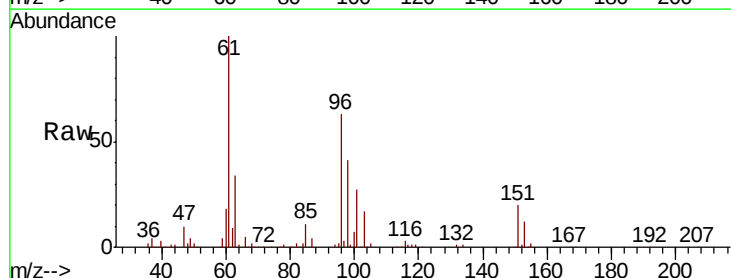
Tot Ion: 59 Resp: 67269
 Ion Ratio Lower Upper
 59 100
 57 10.9 0.0 0.0#

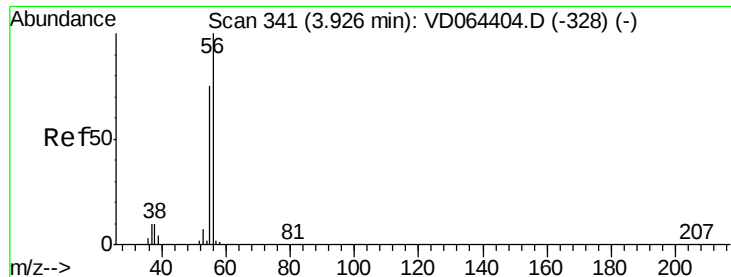


#12

1,1-Dichloroethene
 Concen: 53.471 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion: 96 Resp: 255023
 Ion Ratio Lower Upper
 96 100
 61 159.8 128.2 192.4
 98 64.8 50.4 75.6





#13

Acrolein

Concen: 245.572 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

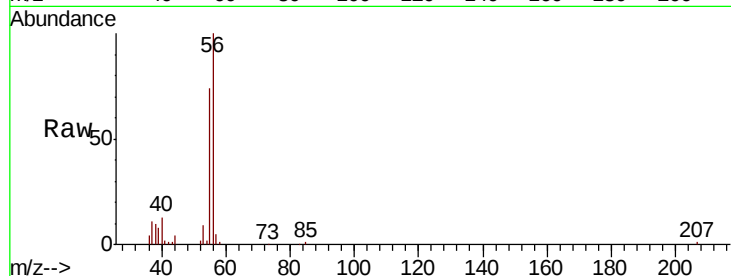
ClientSampleId :

Tot Ion: 56 Resp: 102119

Ion Ratio Lower Upper

56 100

55 69.6 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

30000

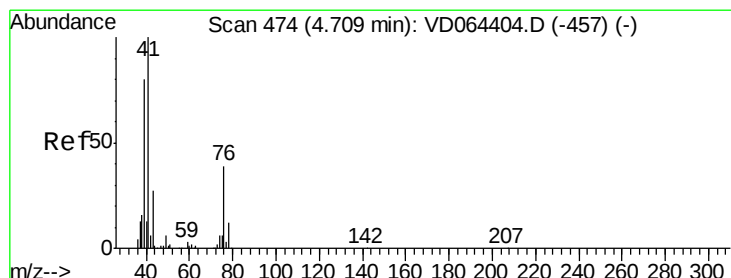
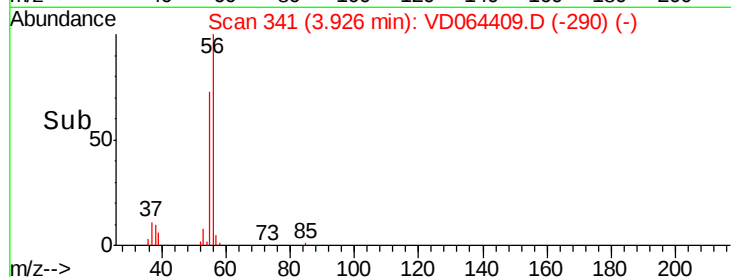
20000

10000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 55.136 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

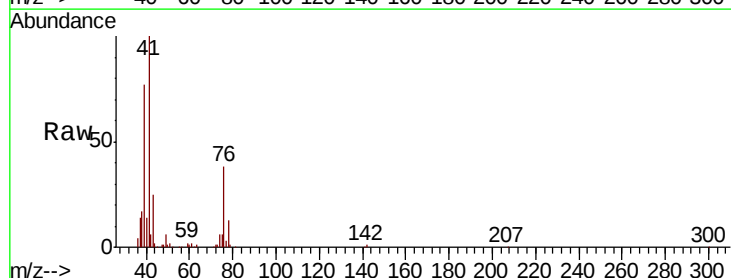
Tgt Ion: 41 Resp: 410390

Ion Ratio Lower Upper

41 100

39 74.9 62.1 93.1

76 36.4 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

150000

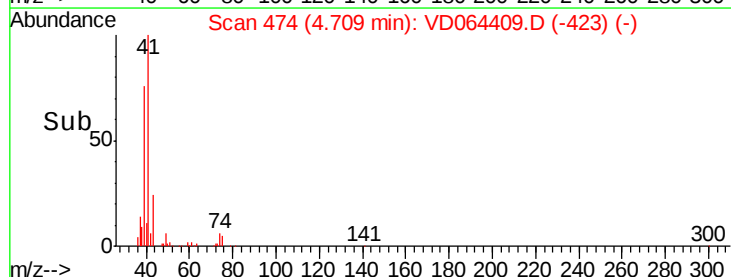
100000

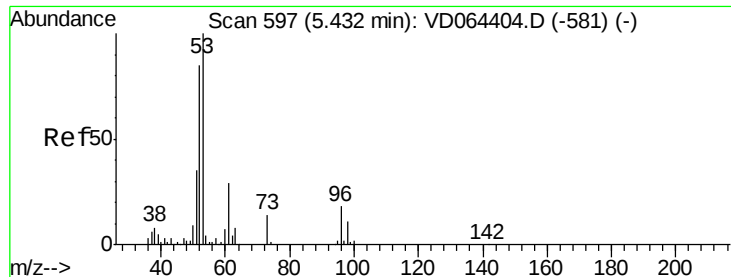
50000

0

Time-->

4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 243.375 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampled :

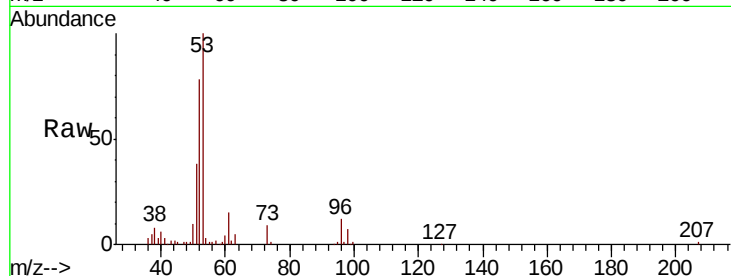
Tot Ion: 53 Resp: 256696

Ion Ratio Lower Upper

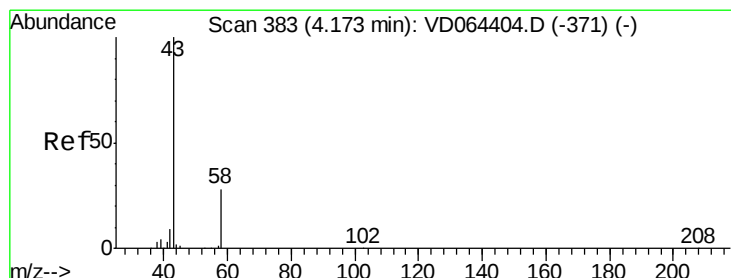
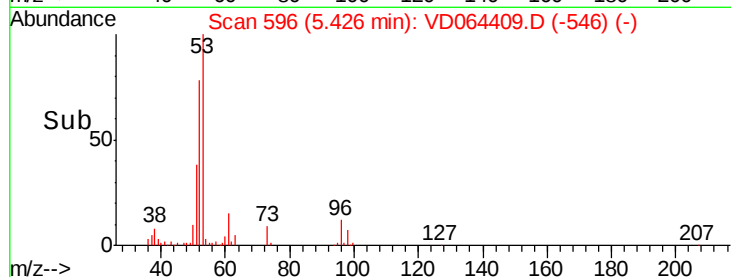
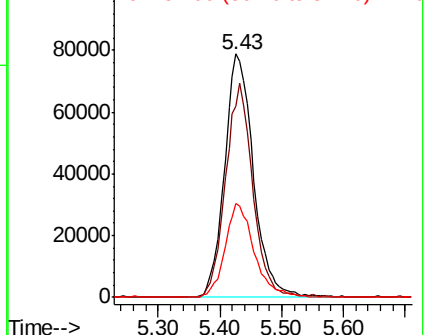
53 100

52 82.3 67.9 101.9

51 38.7 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: 269.936 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064409.D

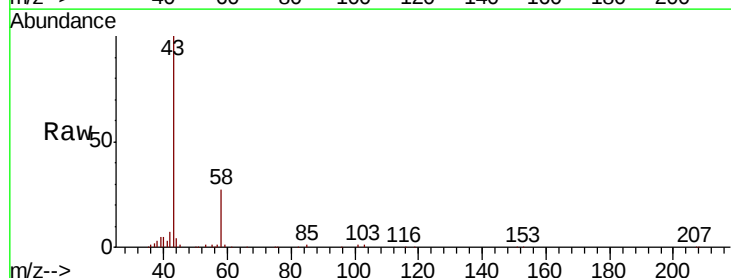
Acq: 04 Dec 2019 11:09

Tgt Ion: 43 Resp: 261258

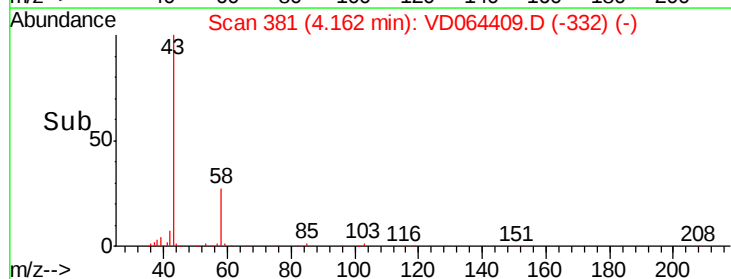
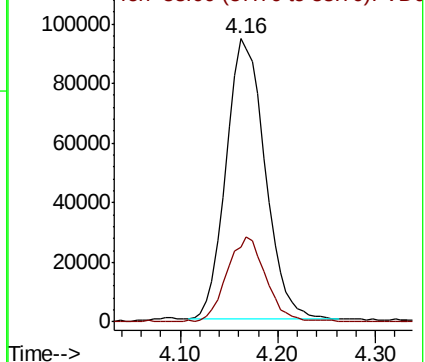
Ion Ratio Lower Upper

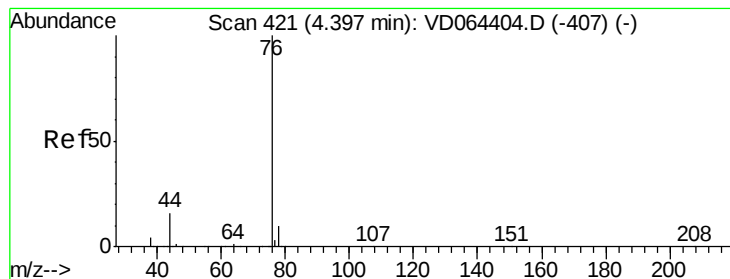
43 100

58 26.5 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: 53.346 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

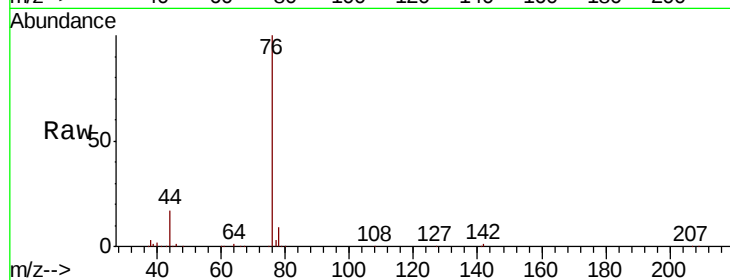
ClientSampled :

Tot Ion: 76 Resp: 805809

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

300000

250000

200000

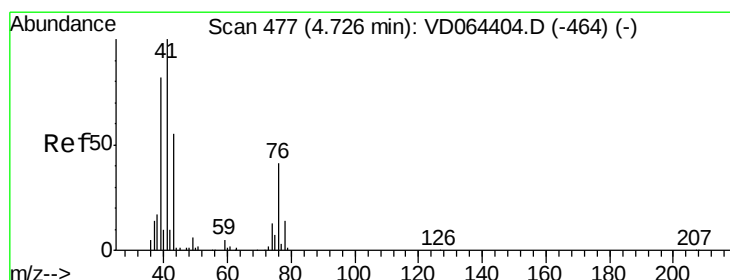
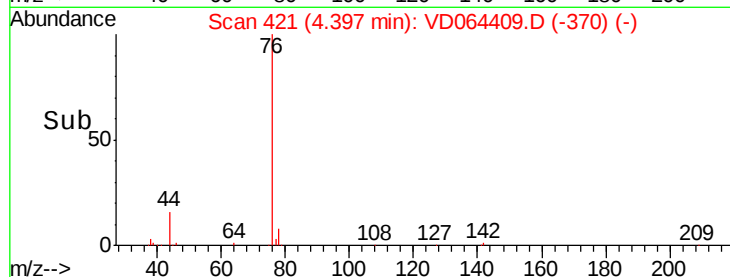
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.765 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064409.D

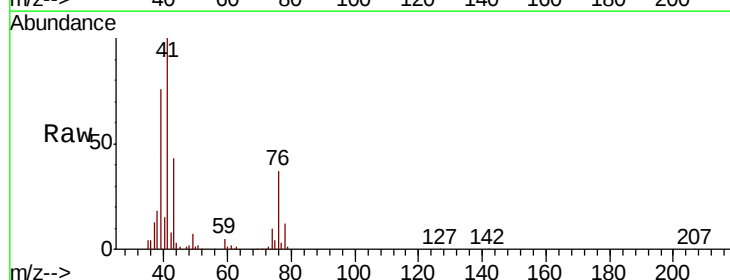
Acq: 04 Dec 2019 11:09

Tgt Ion: 43 Resp: 134847

Ion Ratio Lower Upper

43 100

74 22.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

50000

40000

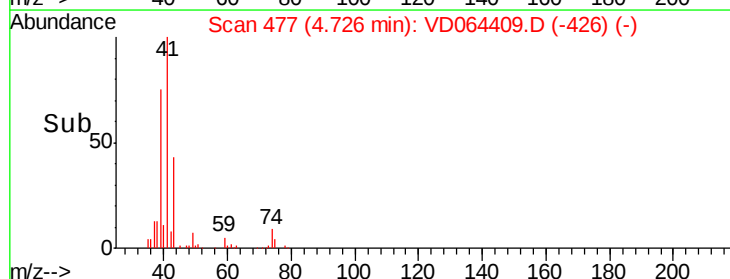
30000

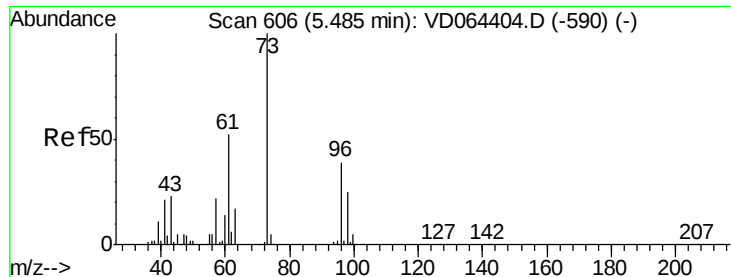
20000

10000

0

Time-->

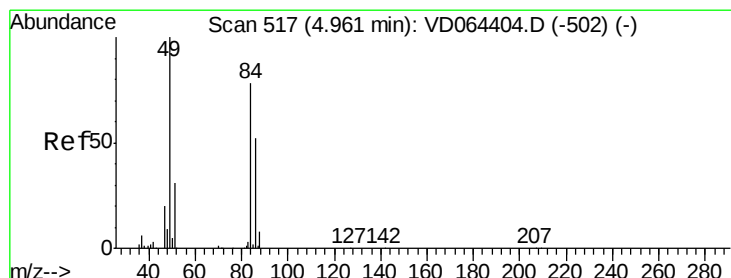
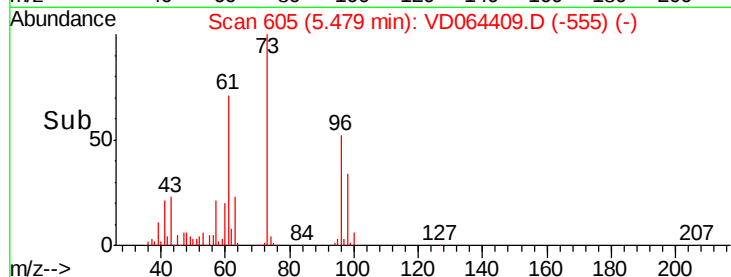
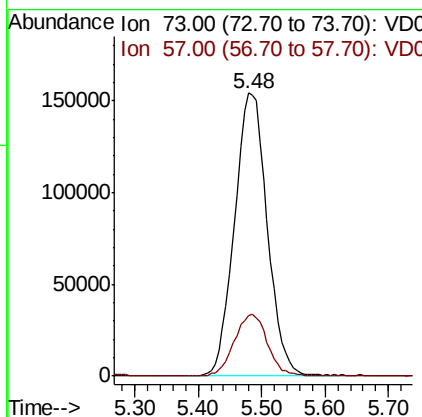
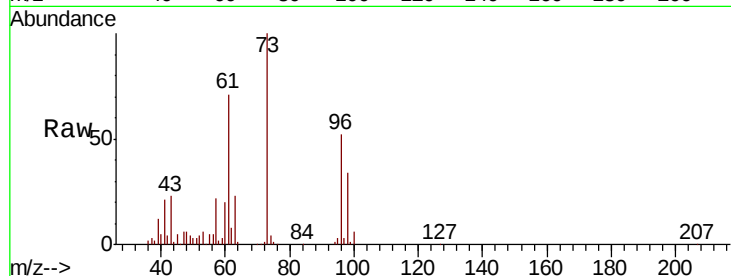




#19
Methyl tert-butyl Ether
Concen: 50.395 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

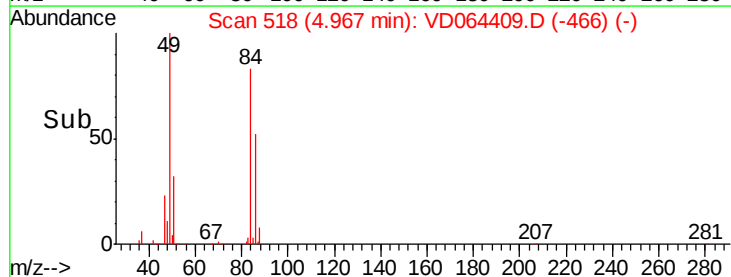
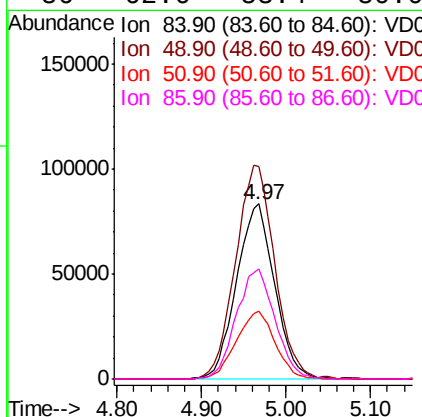
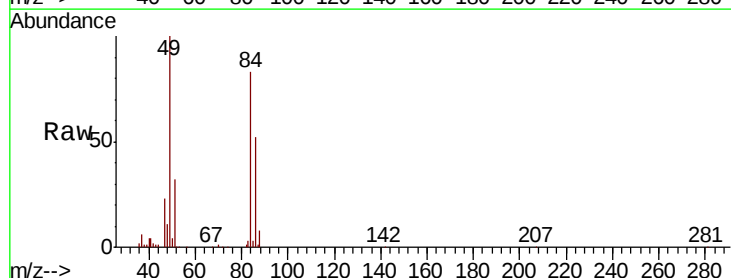
Instrument :
MSVOA_D
ClientSampled :

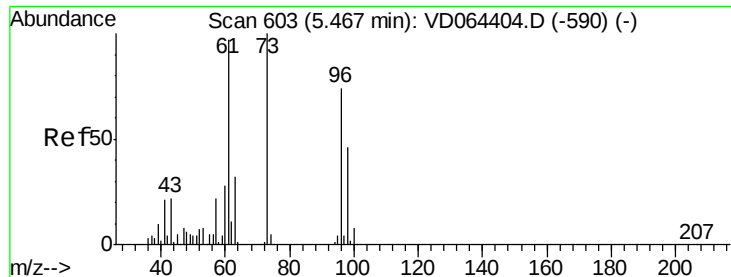
Tot Ion: 73 Resp: 551338
Ion Ratio Lower Upper
73 100
57 21.5 17.6 26.4



#20
Methylene Chloride
Concen: 53.309 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 84 Resp: 260711
Ion Ratio Lower Upper
84 100
49 121.1 102.6 153.8
51 38.7 32.0 48.0
86 62.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 52.490 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

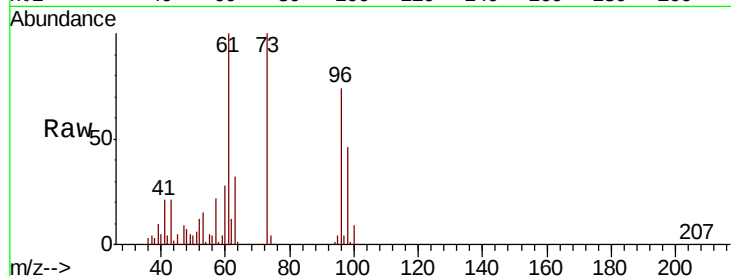
Tot Ion: 96 Resp: 283176

Ion Ratio Lower Upper

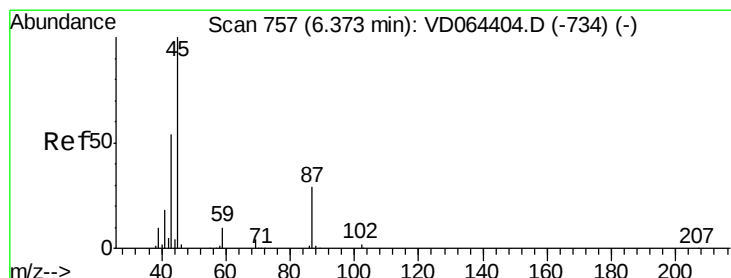
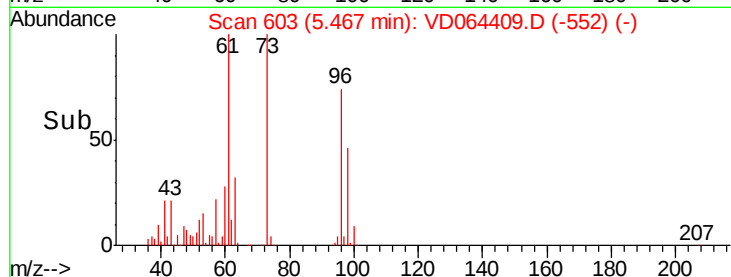
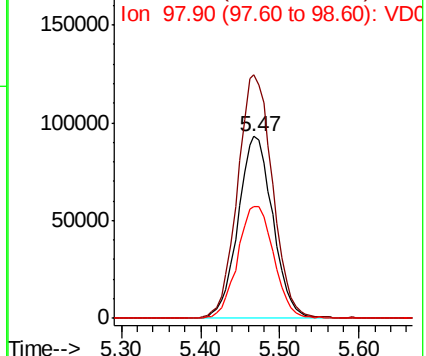
96 100

61 133.9 105.8 158.6

98 61.6 50.1 75.1



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



#22

Diisopropyl ether

Concen: 52.764 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion: 45 Resp: 775300

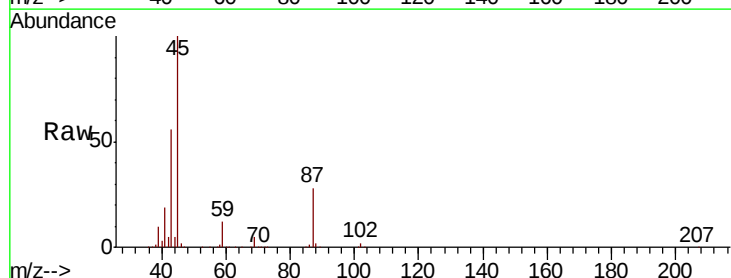
Ion Ratio Lower Upper

45 100

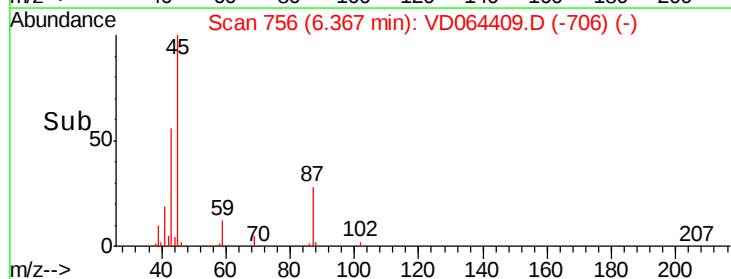
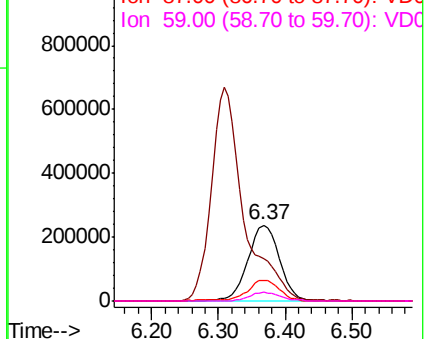
43 55.2 43.1 64.7

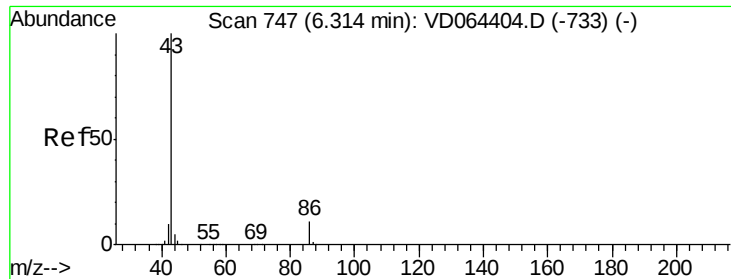
87 27.6 23.5 35.3

59 11.4 8.2 12.2



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





#23

Vinyl Acetate

Concen: 262.693 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

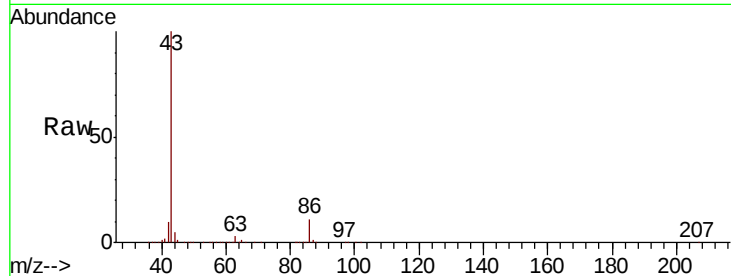
ClientSampleId :

Tot Ion: 43 Resp: 2275582

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

600000

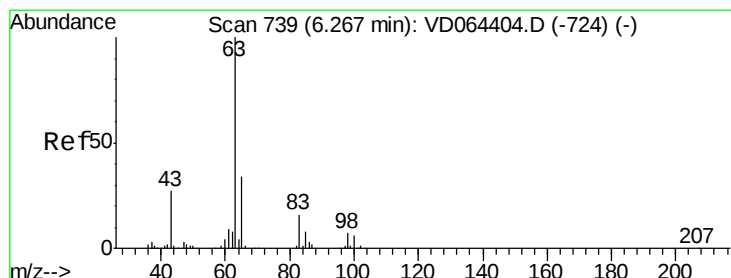
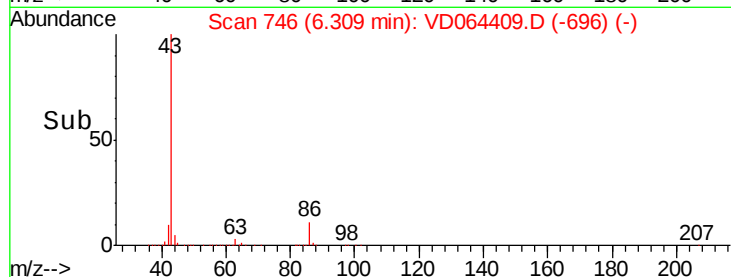
400000

200000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.800 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

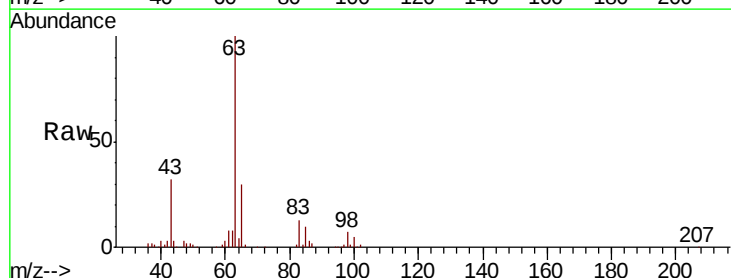
Tgt Ion: 63 Resp: 466574

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.7 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

200000

150000

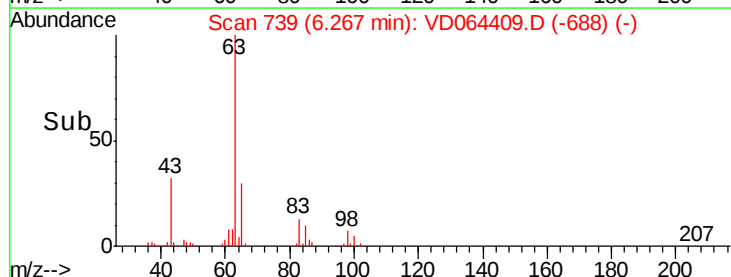
100000

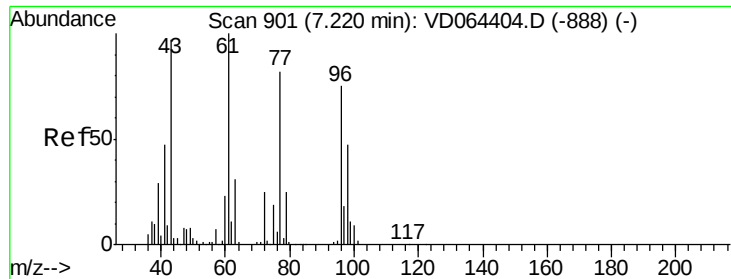
50000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 244.459 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

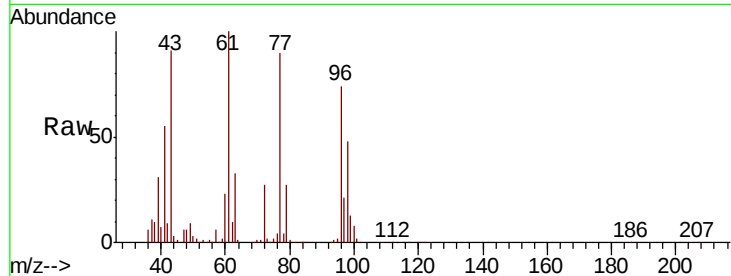
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 334602

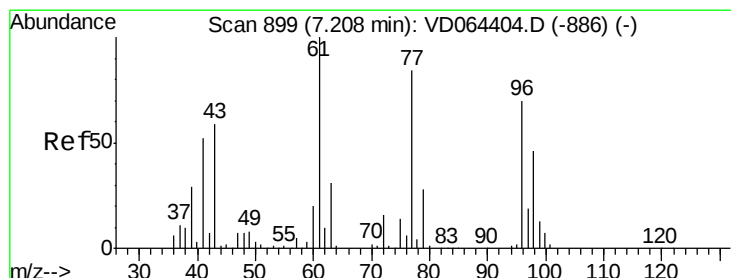
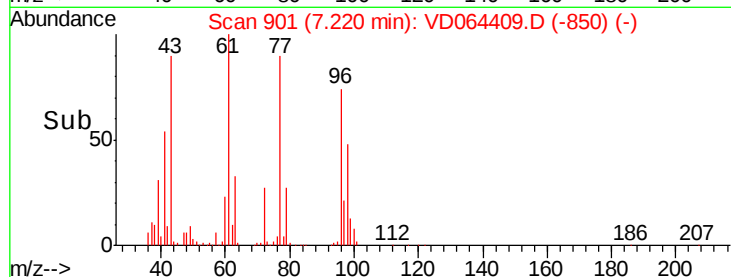
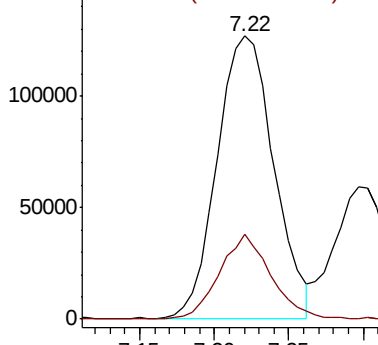
Ion Ratio Lower Upper

43 100

72 29.9 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 56.361 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064409.D

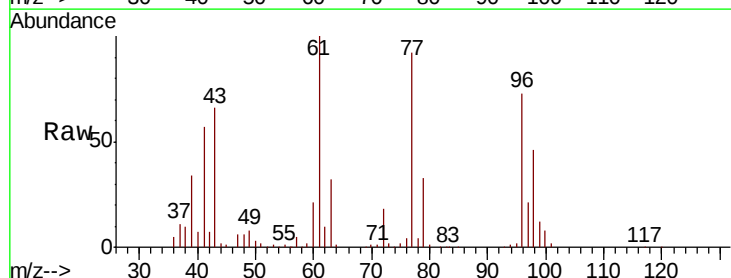
Acq: 04 Dec 2019 11:09

Tgt Ion: 77 Resp: 433122

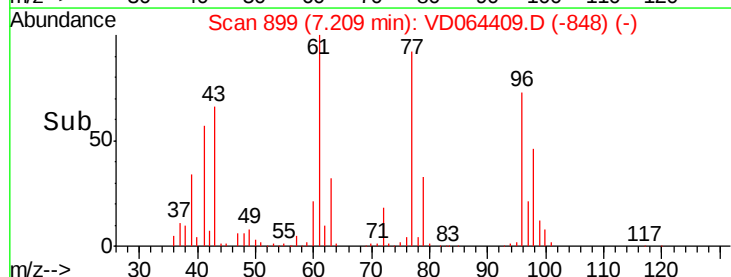
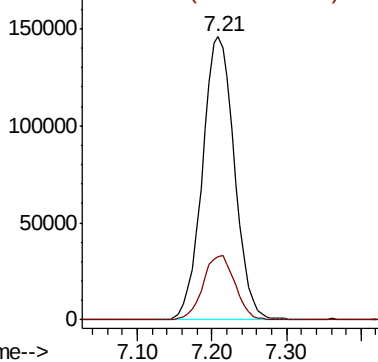
Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



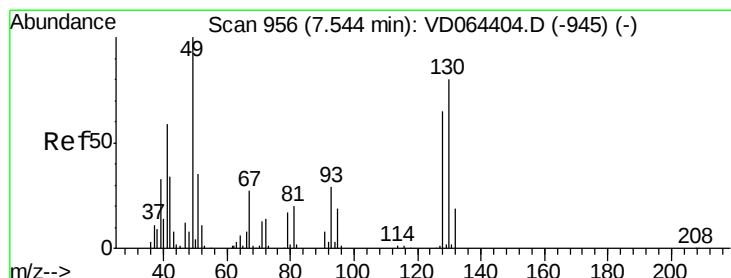
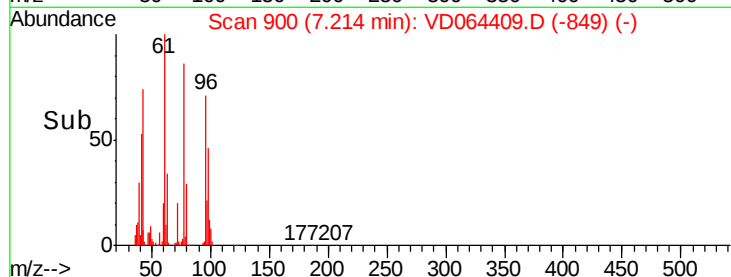
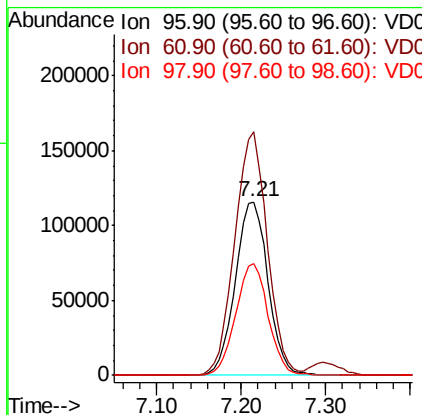
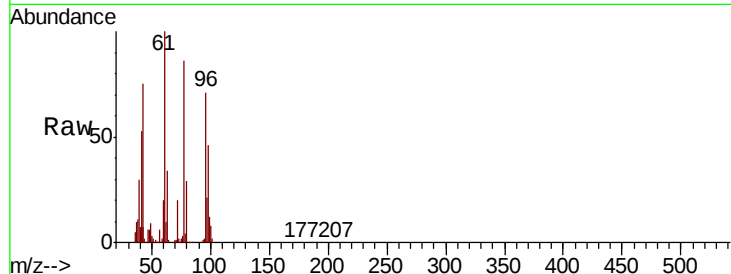


#27

cis-1,2-Dichloroethene
Concen: 52.947 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :

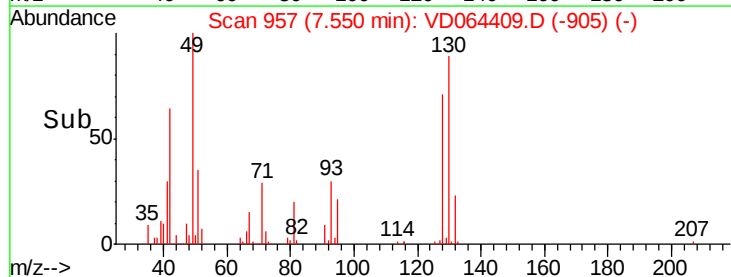
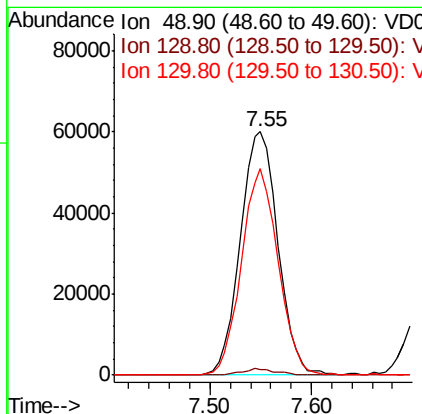
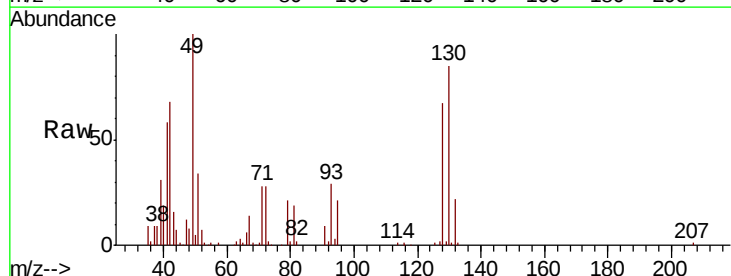
Tot Ion: 96 Resp: 311413
Ion Ratio Lower Upper
96 100
61 139.1 0.0 279.6
98 63.8 0.0 129.2

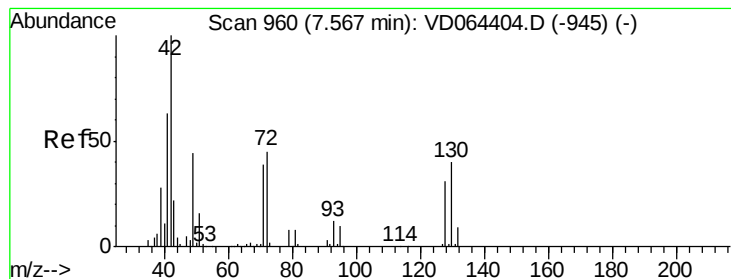


#28

Bromochloromethane
Concen: 51.243 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 49 Resp: 154750
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 82.5 67.4 101.0





#29

Tetrahydrofuran

Concen: 237.225 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :

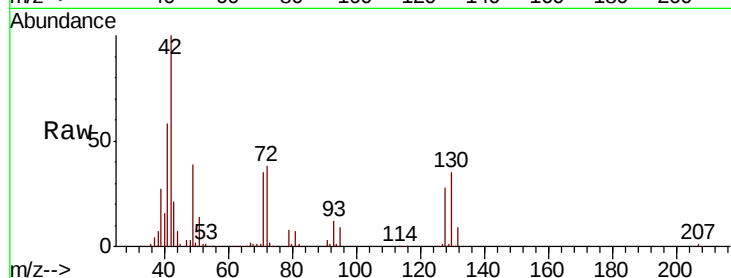
Tot Ion: 42 Resp: 206582

Ion Ratio Lower Upper

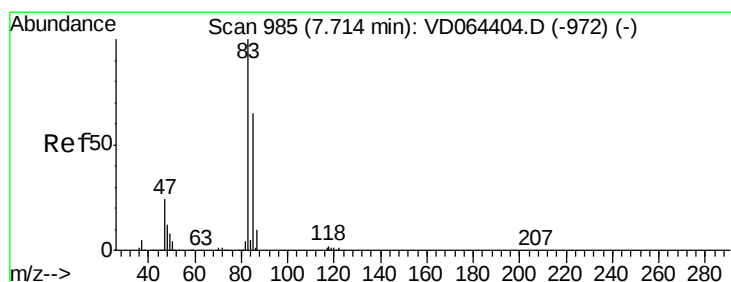
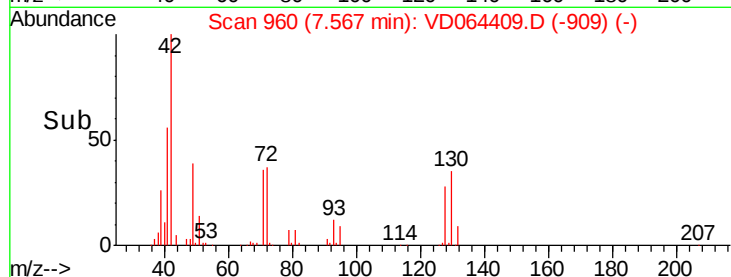
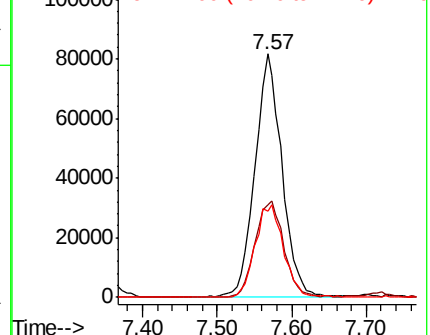
42 100

72 41.7 35.8 53.8

71 39.9 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: 52.294 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064409.D

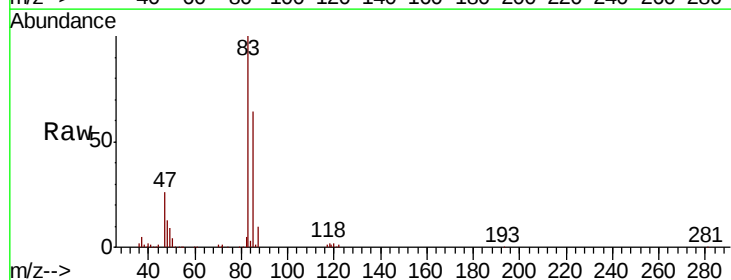
Acq: 04 Dec 2019 11:09

Tgt Ion: 83 Resp: 478582

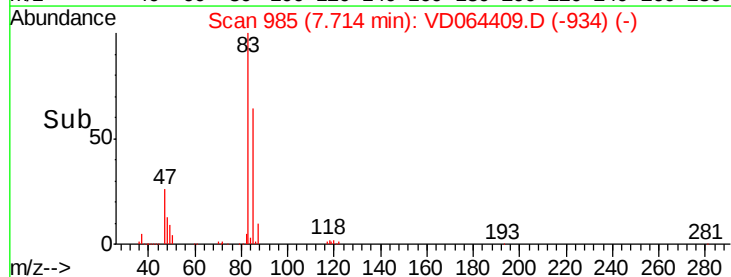
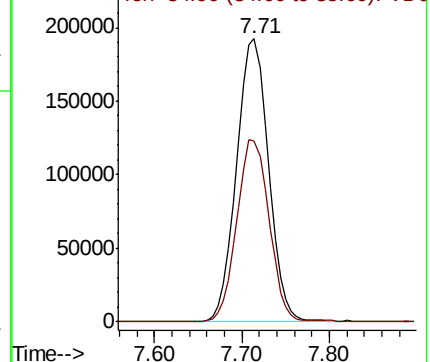
Ion Ratio Lower Upper

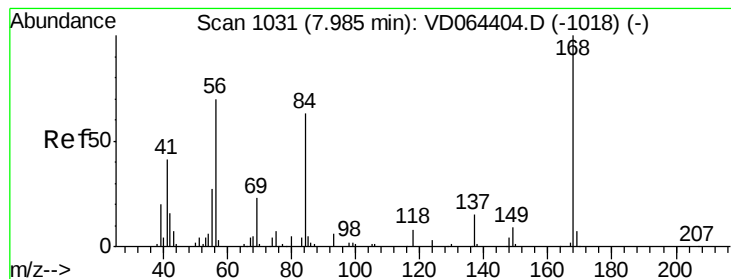
83 100

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: 58.761 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampled :

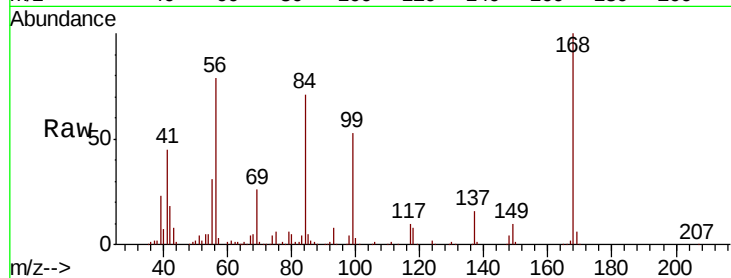
Tot Ion: 56 Resp: 447140

Ion Ratio Lower Upper

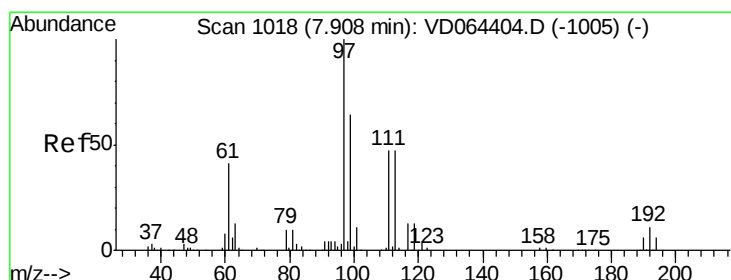
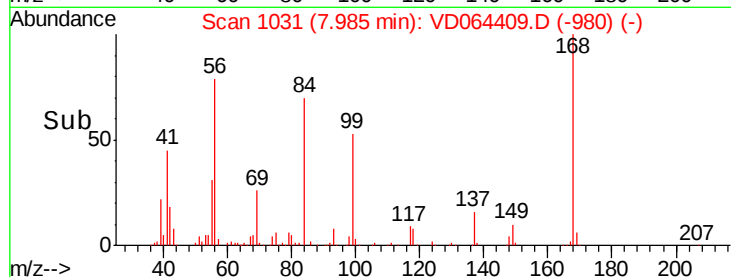
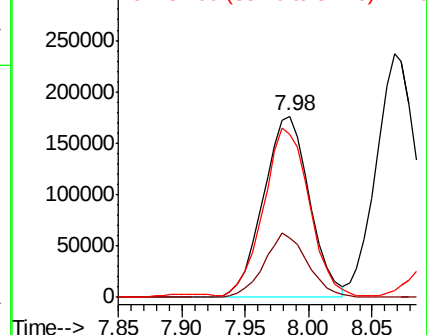
56 100

69 32.8 26.2 39.4

84 88.2 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: 54.160 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

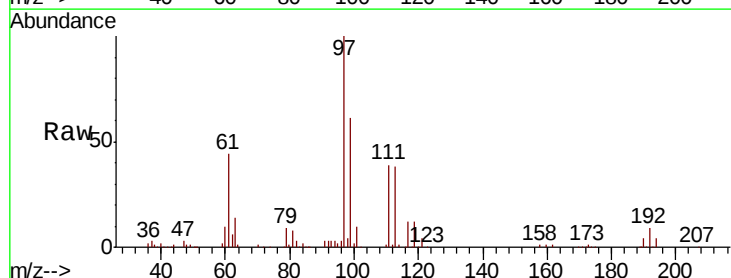
Tgt Ion: 97 Resp: 459529

Ion Ratio Lower Upper

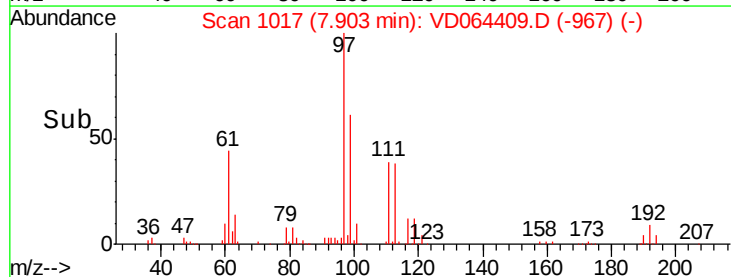
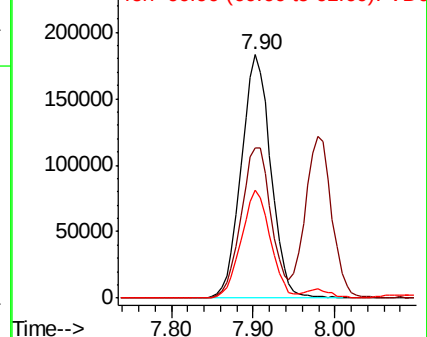
97 100

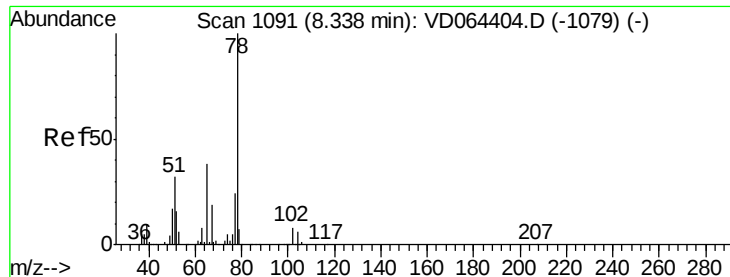
99 63.5 51.4 77.2

61 43.9 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: 52.988 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

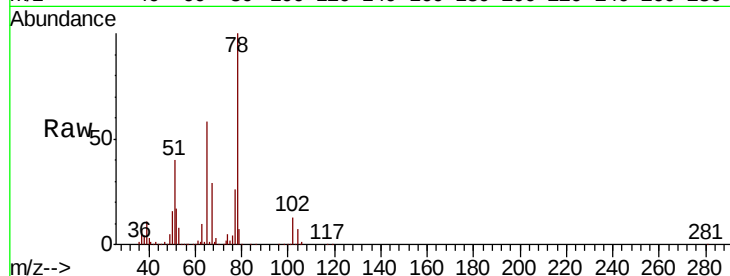
ClientSampleId :

Tot Ion: 65 Resp: 253782

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

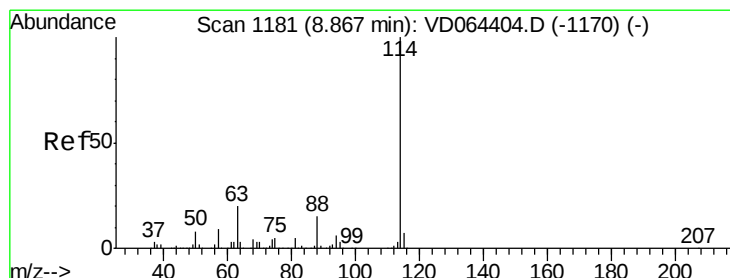
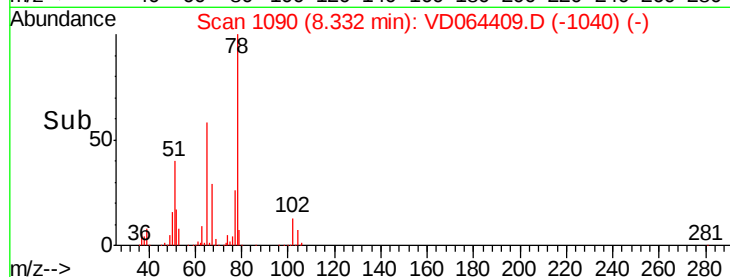
8.33

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

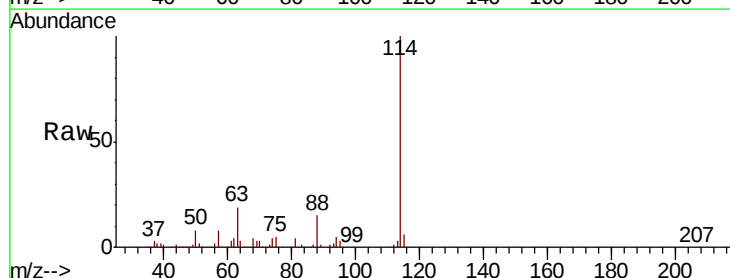
Tgt Ion: 114 Resp: 765074

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 14.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

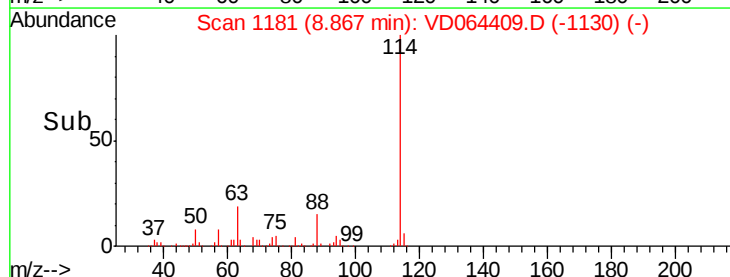
300000

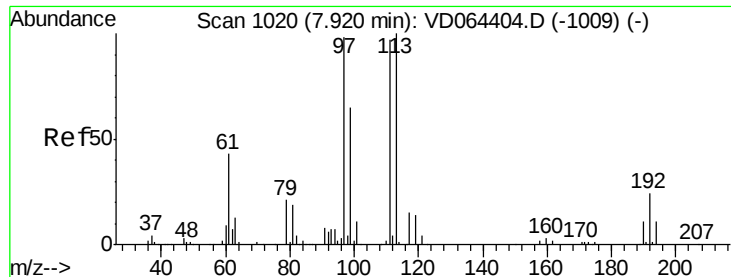
200000

100000

0

Time-->

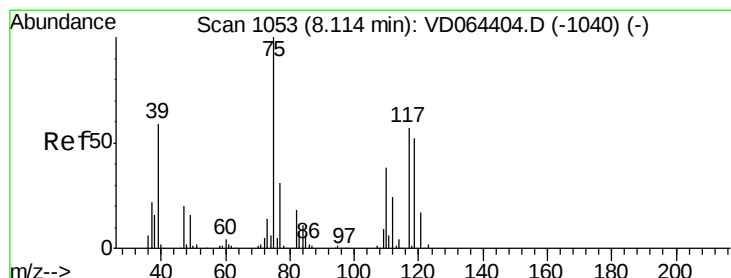
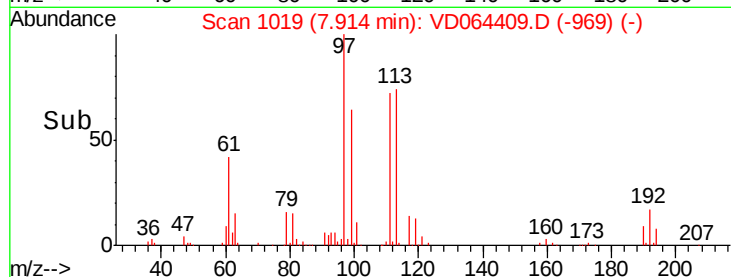
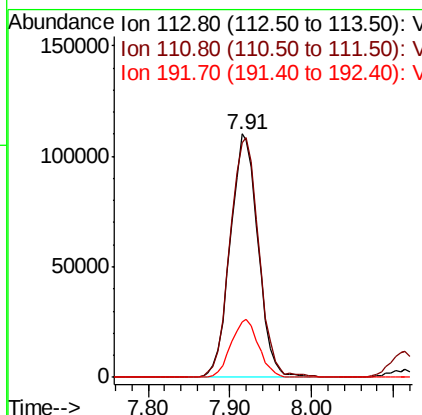
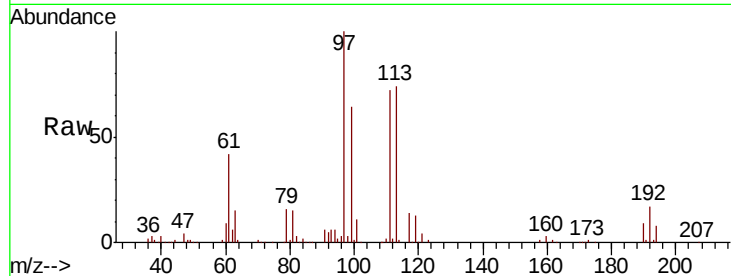




#35
Dibromofluoromethane
Concen: 54.017 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

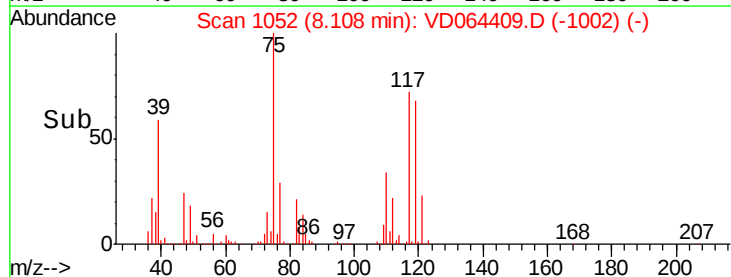
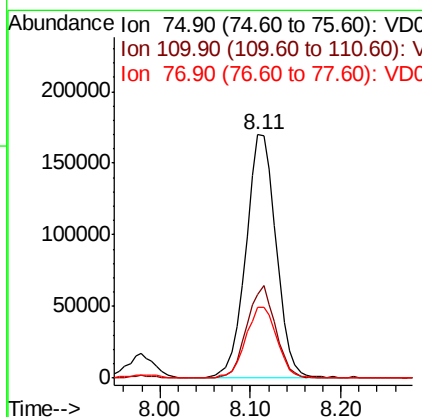
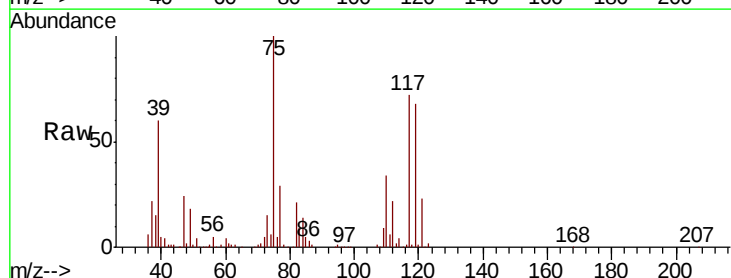
Instrument :
MSVOA_D
ClientSampled :

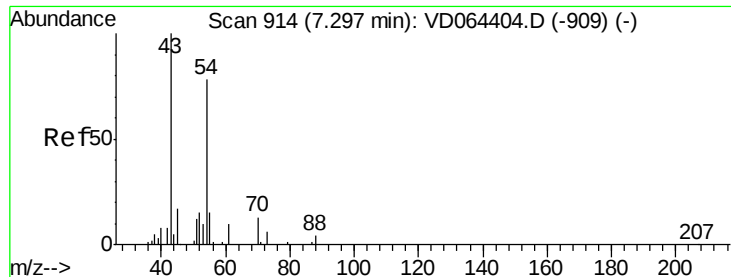
Tot Ion:113 Resp: 260382
Ion Ratio Lower Upper
113 100
111 101.9 79.4 119.2
192 23.7 18.6 28.0



#36
1,1-Dichloropropene
Concen: 54.366 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 75 Resp: 393426
Ion Ratio Lower Upper
75 100
110 36.1 18.6 55.8
77 30.4 25.0 37.4

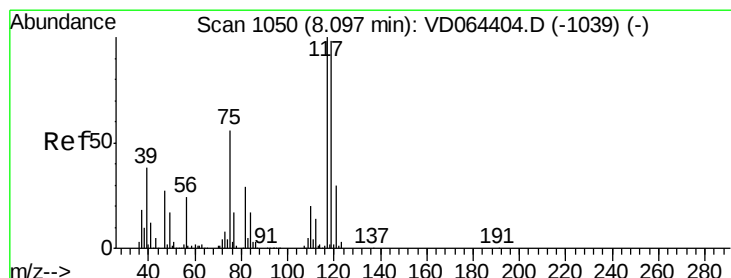
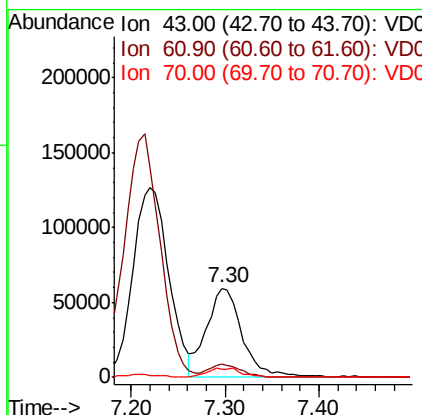
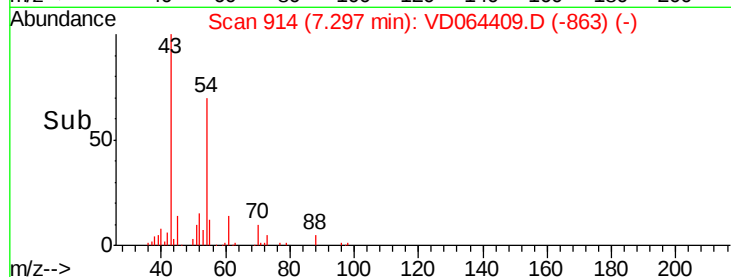
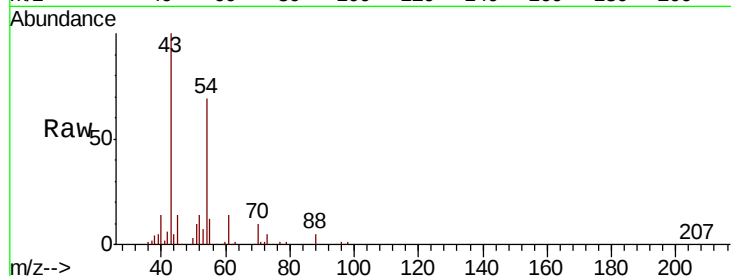




#37
Ethyl Acetate
Concen: 50.700 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

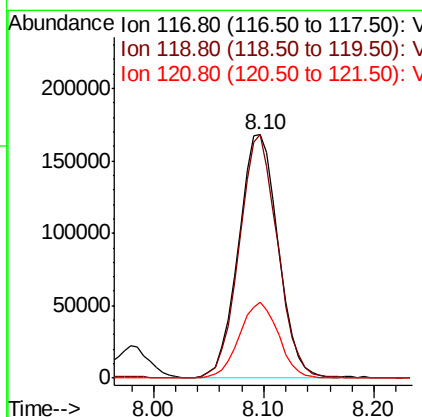
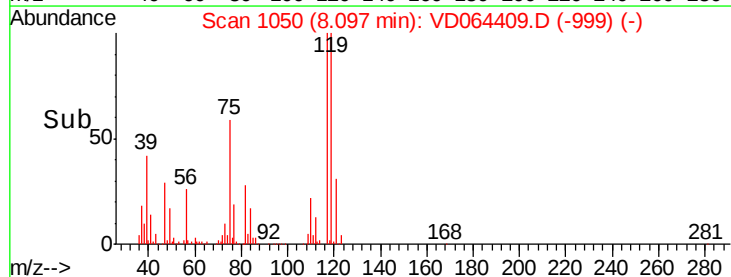
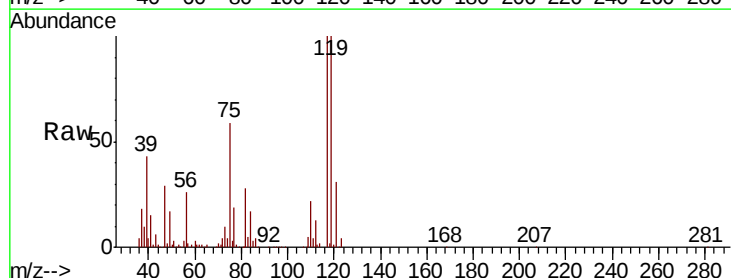
Instrument :
MSVOA_D
ClientSampled :

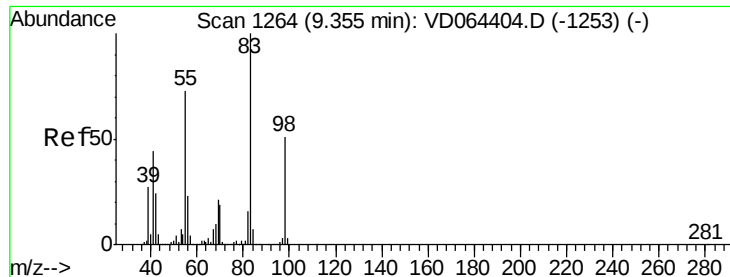
Tot Ion: 43 Resp: 155678
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 10.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 55.435 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 117 Resp: 423394
Ion Ratio Lower Upper
117 100
119 100.2 78.8 118.2
121 31.3 24.2 36.2

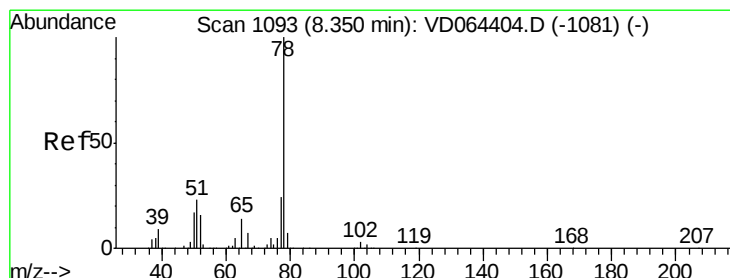
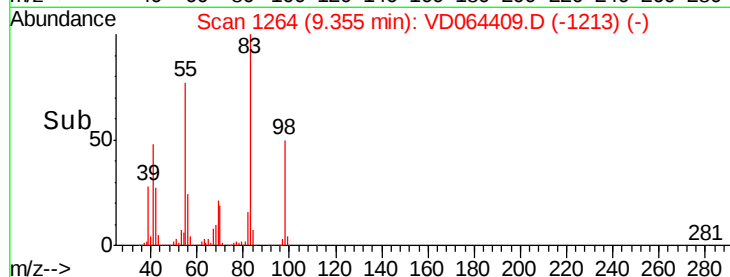
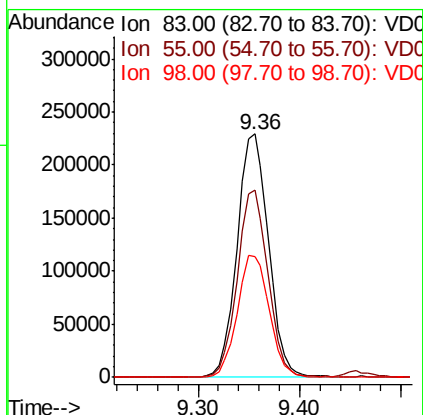
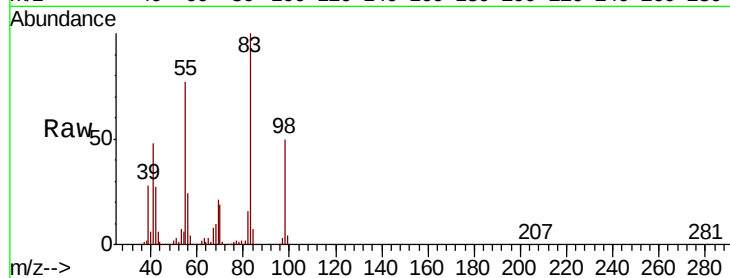




#39
Methylvlcyclohexane
Concen: 54.871 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

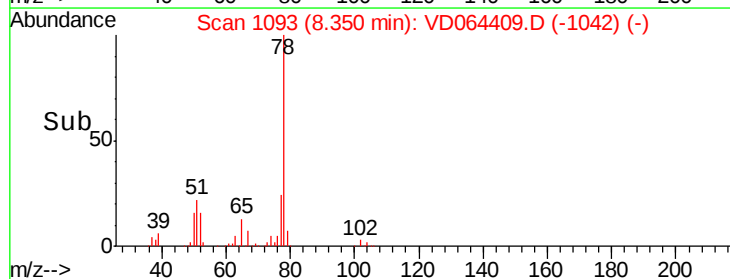
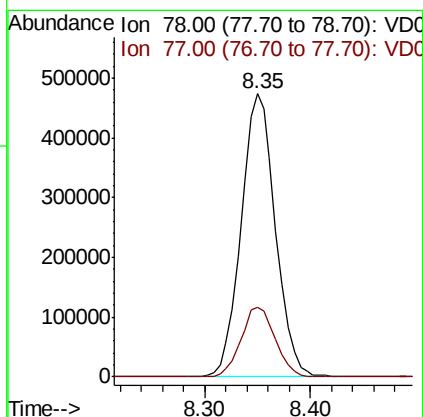
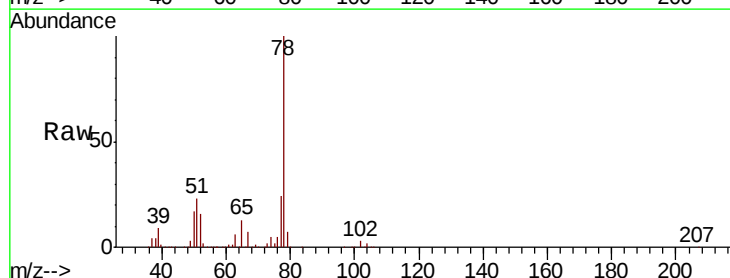
Instrument :
MSVOA_D
ClientSampleId :

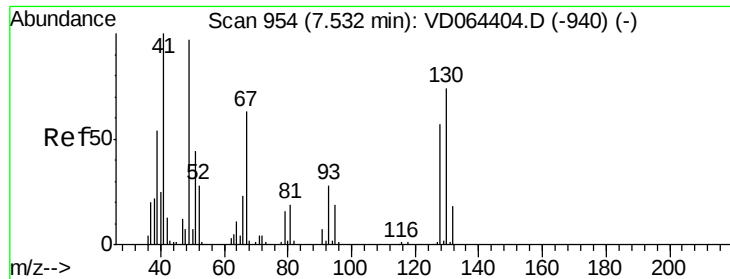
Tot Ion: 83 Resp: 492556
Ion Ratio Lower Upper
83 100
55 76.9 58.6 87.8
98 49.8 40.9 61.3



#40
Benzene
Concen: 52.910 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 78 Resp: 1063440
Ion Ratio Lower Upper
78 100
77 24.3 19.6 29.4

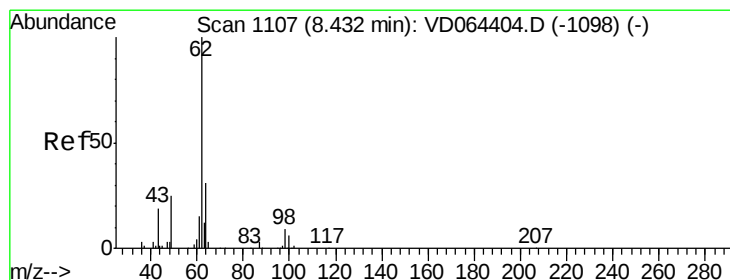
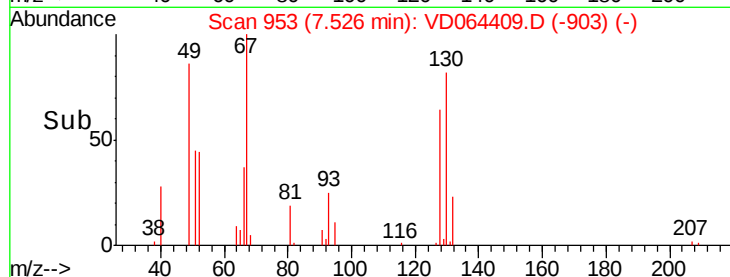
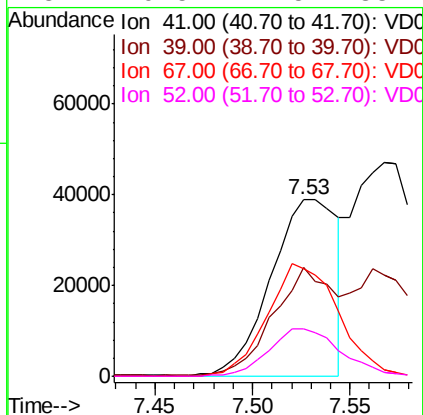
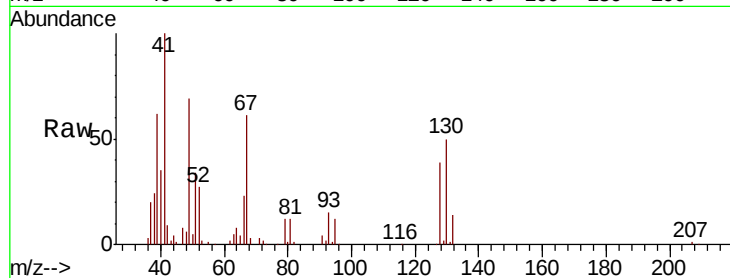




#41
Methacrylonitrile
Concen: 52.228 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

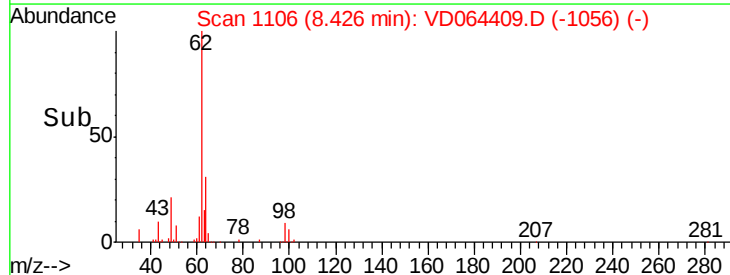
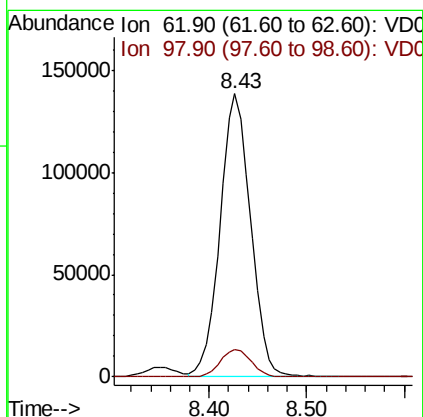
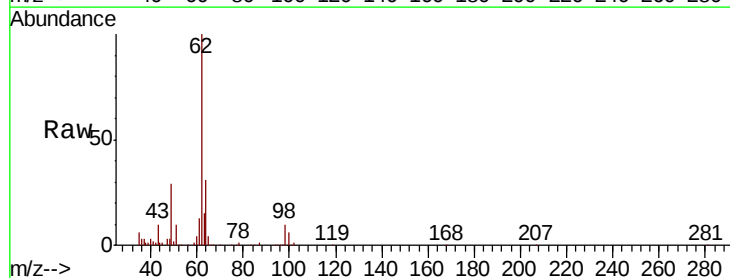
Instrument :
MSVOA_D
ClientSampleId :

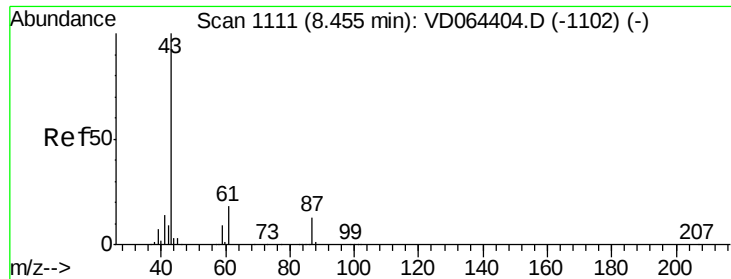
Tot Ion:	41	Resp:	91970
Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.6	67.0
67	68.2	50.9	76.3
52	29.5	22.5	33.7



#42
1,2-Dichloroethane
Concen: 51.165 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion:	62	Resp:	299898
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6



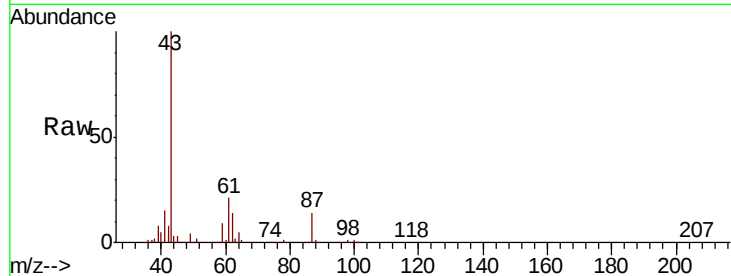


#43

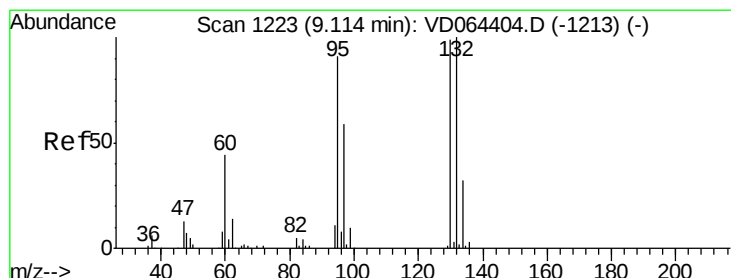
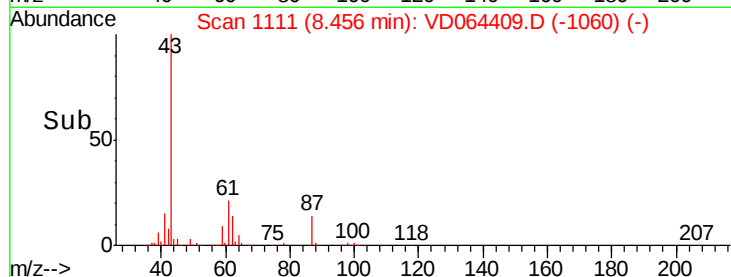
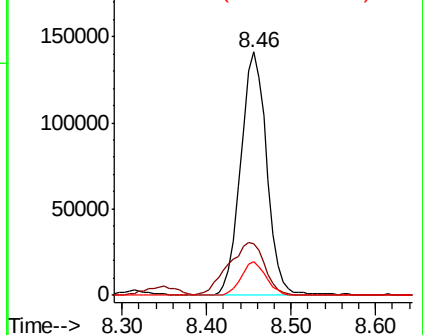
Isopropyl Acetate
 Concen: 50.084 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	302379
Ion Ratio	Lower	Upper	
43	100		
61	30.4	24.0	36.0
87	13.2	10.6	15.8



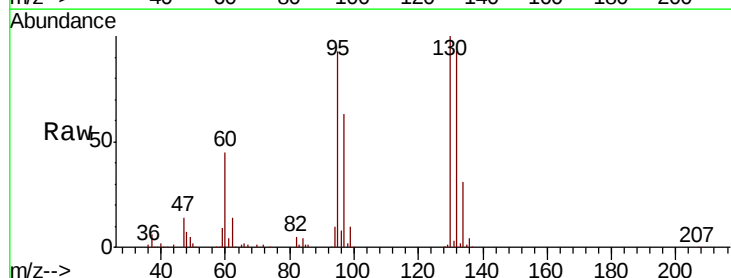
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



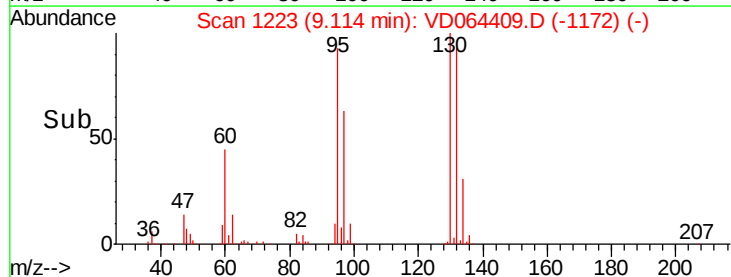
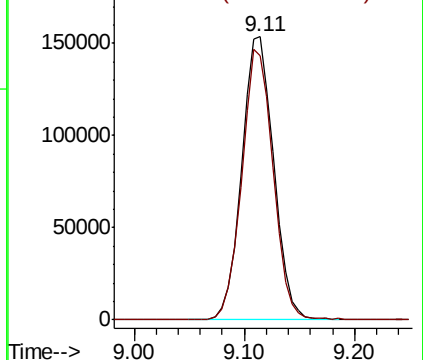
#44

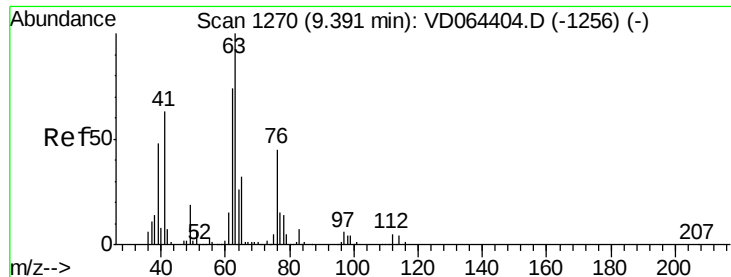
Trichloroethene
 Concen: 51.675 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	130	Resp	312857
Ion Ratio	Lower	Upper	
130	100		
95	93.3	0.0	184.6



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

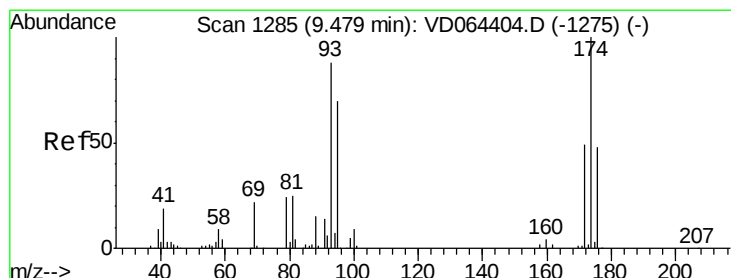
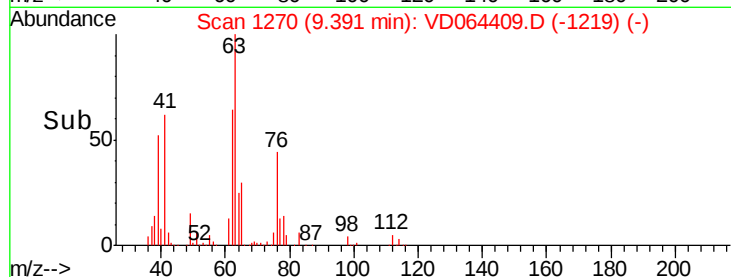
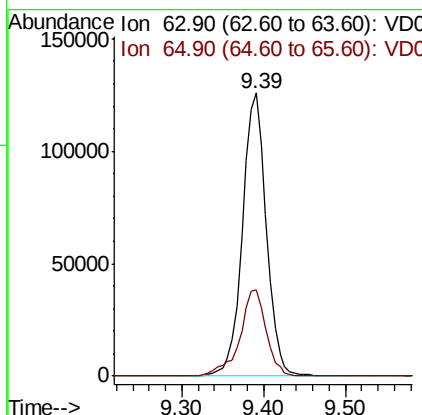
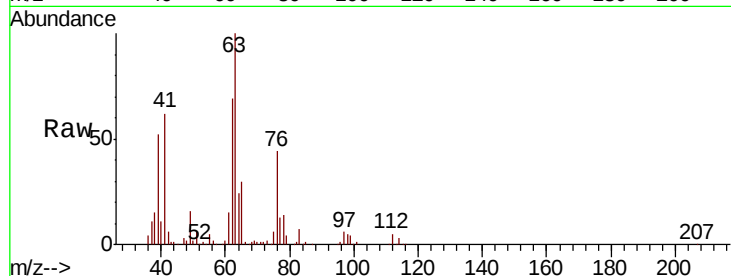




#45
 1,2-Dichloropropane
 Concen: 53.286 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

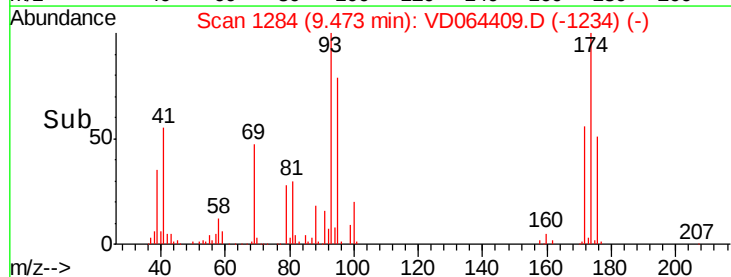
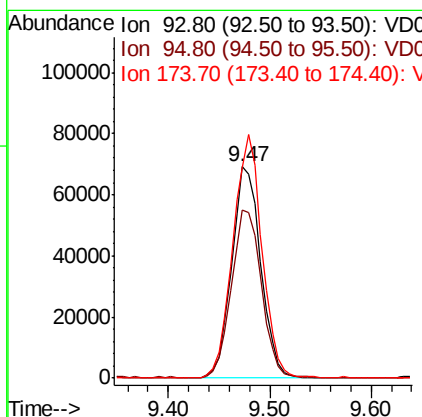
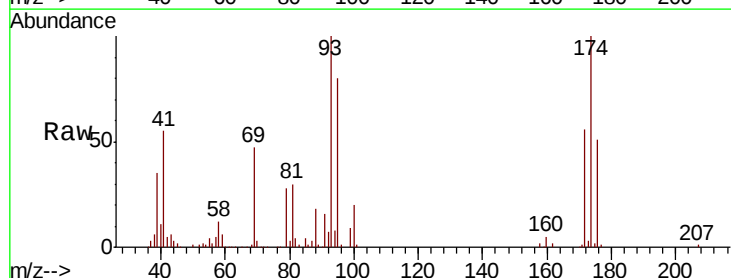
Instrument :
 MSVOA_D
 ClientSampled :

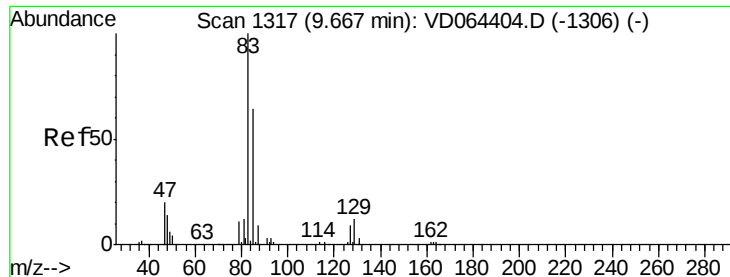
Tot Ion: 63 Resp: 256135
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.4 38.0



#46
 Dibromomethane
 Concen: 50.956 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion: 93 Resp: 138241
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 114.3 92.3 138.5





#47

Bromodichloromethane

Concen: 52.475 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

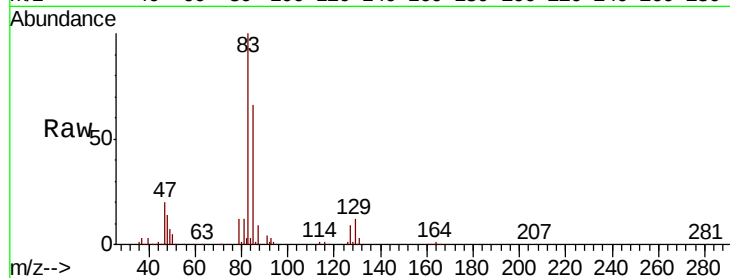
Tot Ion: 83 Resp: 365794

Ion Ratio Lower Upper

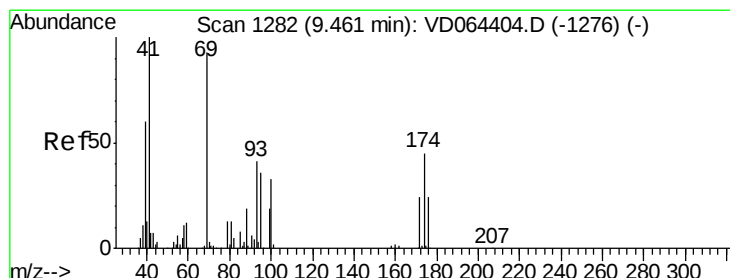
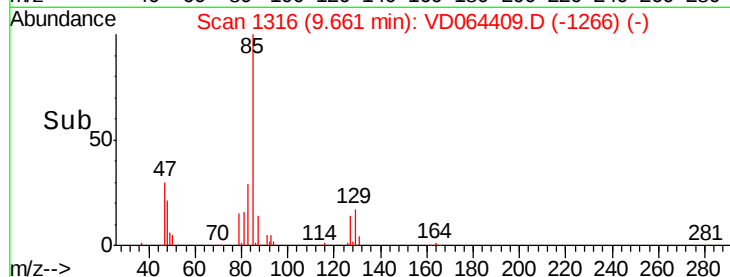
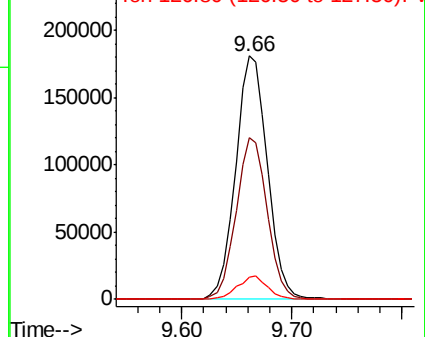
83 100

85 66.3 51.1 76.7

127 9.3 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: 50.612 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

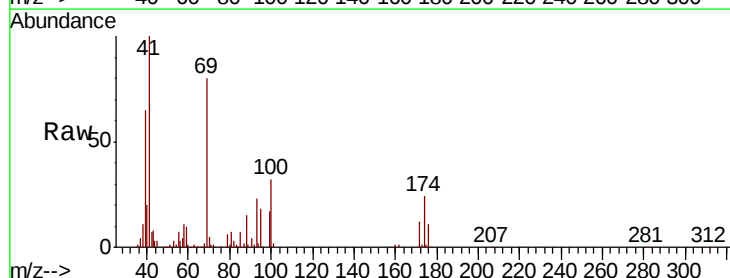
Tgt Ion: 41 Resp: 139826

Ion Ratio Lower Upper

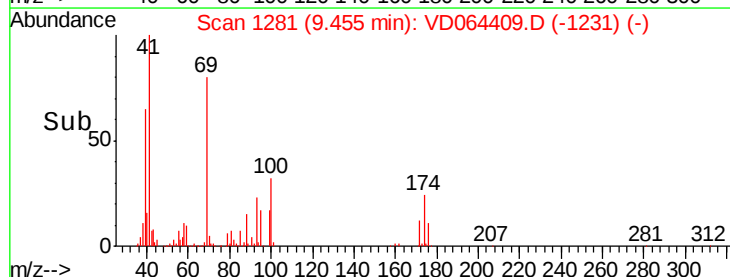
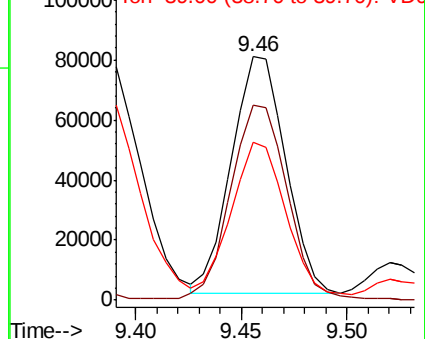
41 100

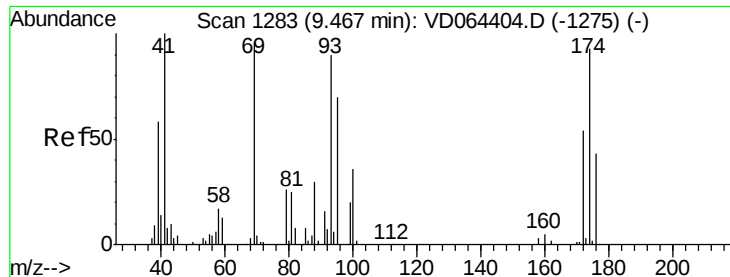
69 87.0 72.0 108.0

39 63.8 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: 969.461 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :

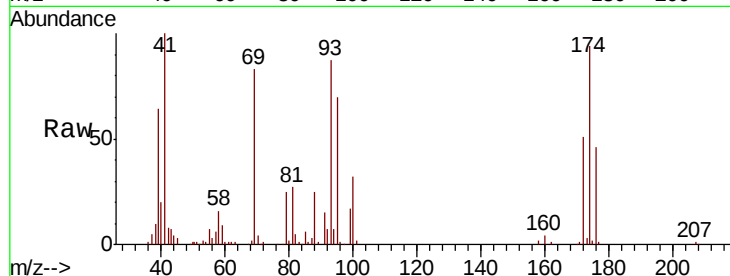
Tot Ion: 88 Resp: 32478

Ion Ratio Lower Upper

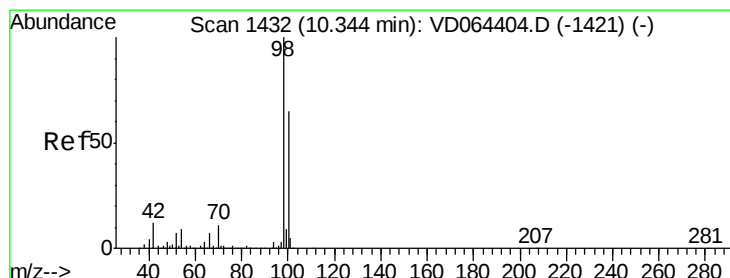
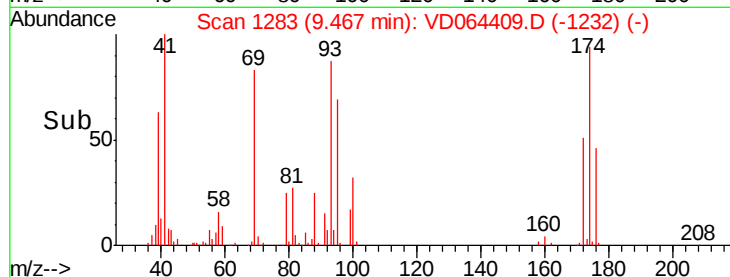
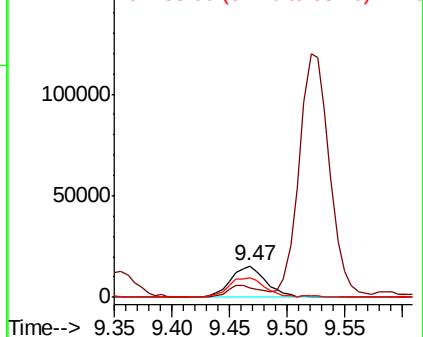
88 100

43 34.3 26.7 40.1

58 65.4 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: 55.065 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064409.D

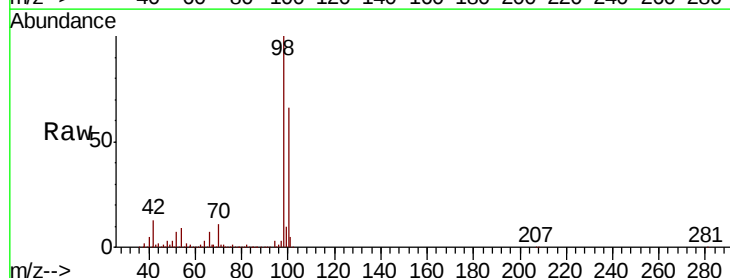
Acq: 04 Dec 2019 11:09

Tgt Ion: 98 Resp: 999857

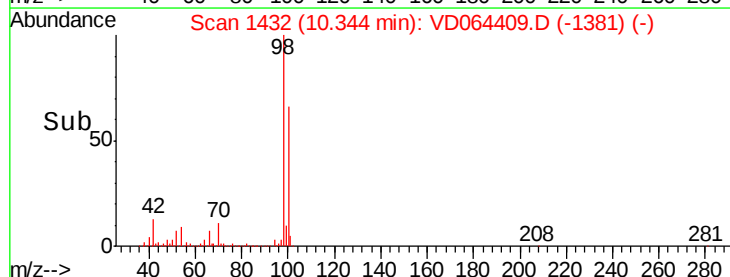
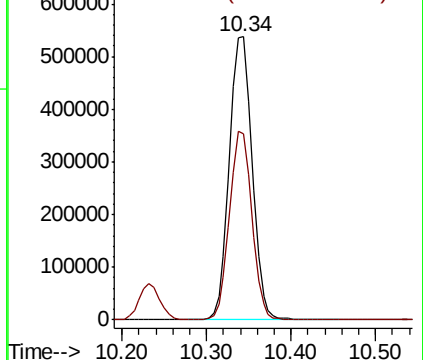
Ion Ratio Lower Upper

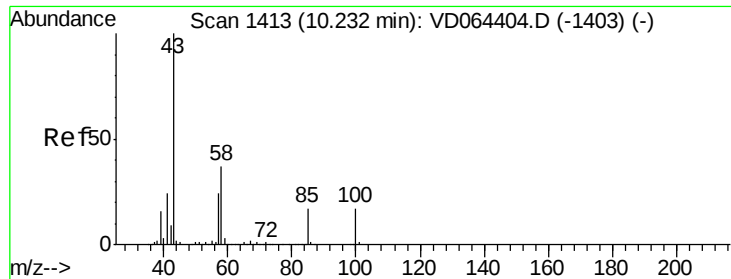
98 100

100 65.6 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: 242.726 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

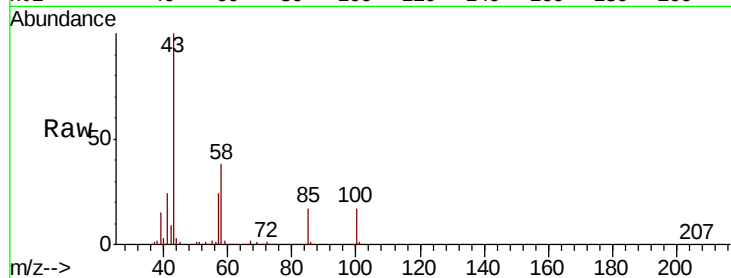
ClientSampled :

Tot Ion: 43 Resp: 725085

Ion Ratio Lower Upper

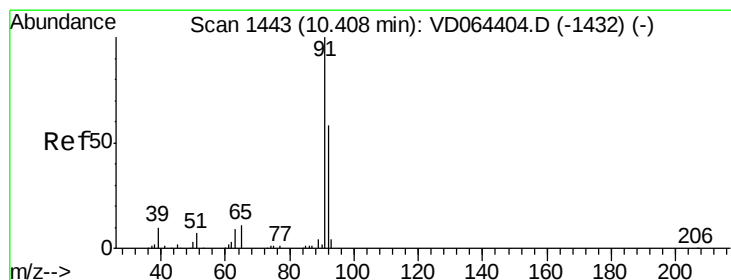
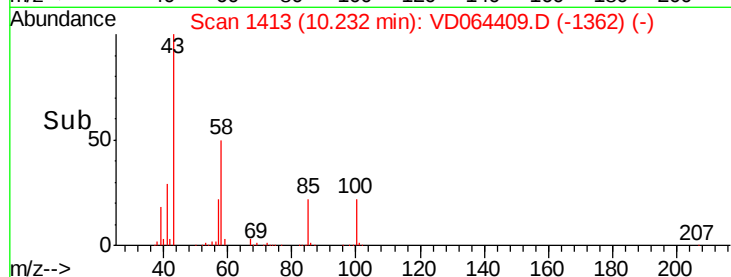
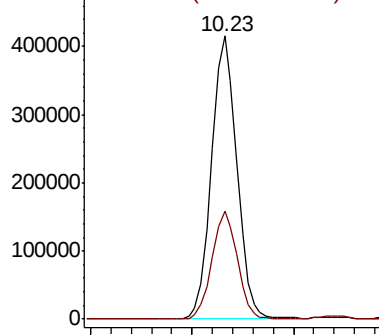
43 100

58 38.1 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.516 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064409.D

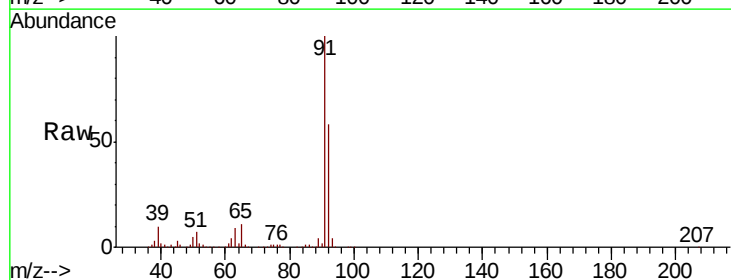
Acq: 04 Dec 2019 11:09

Tgt Ion: 92 Resp: 687887

Ion Ratio Lower Upper

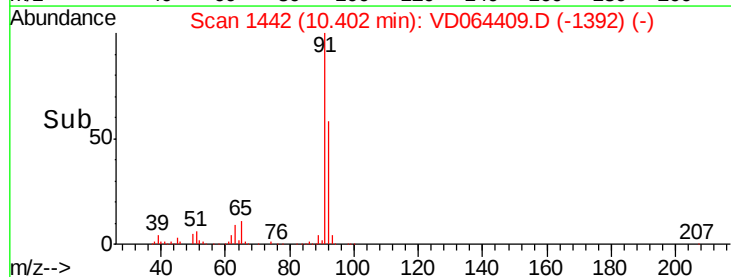
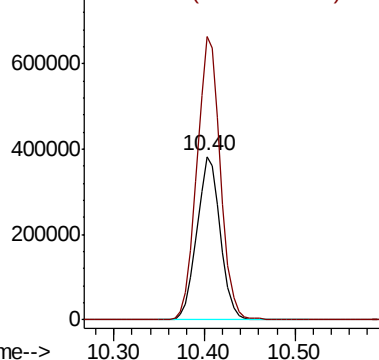
92 100

91 173.0 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.384 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

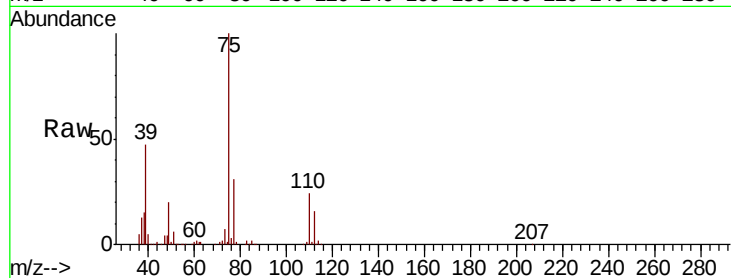
ClientSampled :

Tot Ion: 75 Resp: 354656

Ion Ratio Lower Upper

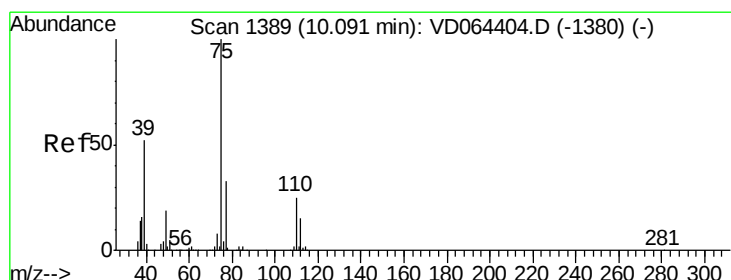
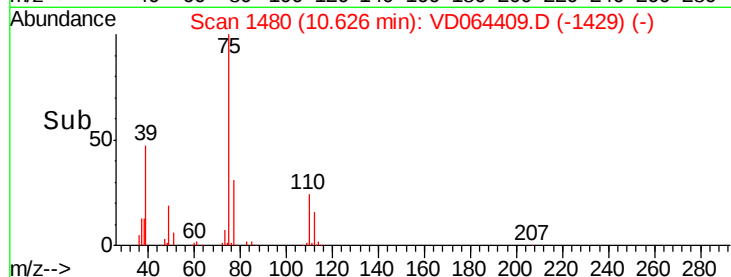
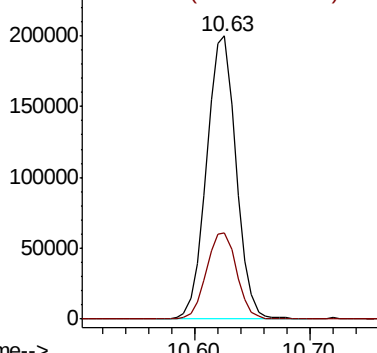
75 100

77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.722 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

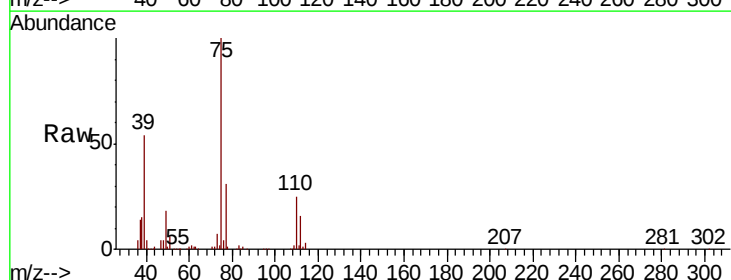
Tgt Ion: 75 Resp: 423991

Ion Ratio Lower Upper

75 100

77 30.9 26.1 39.1

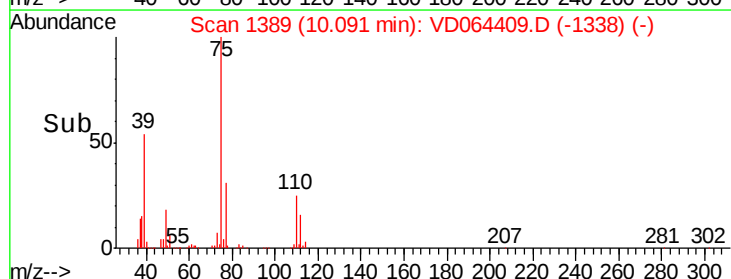
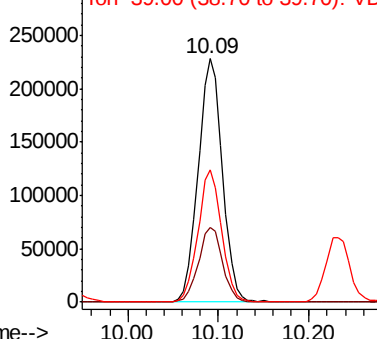
39 54.3 41.5 62.3

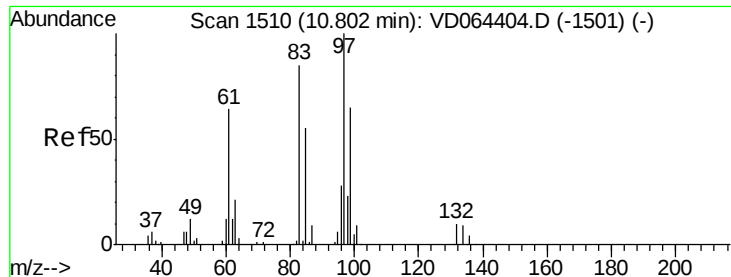


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

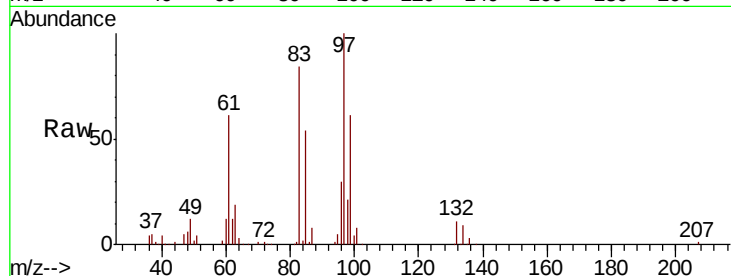




#55
 1,1,2-Trichloroethane
 Concen: 49.947 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.8	101.8
85	54.0	43.7	65.5
99	61.3	51.7	77.5



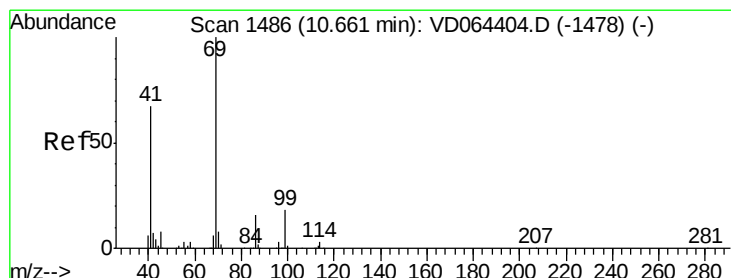
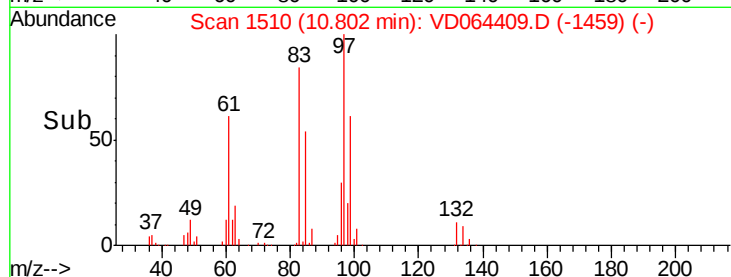
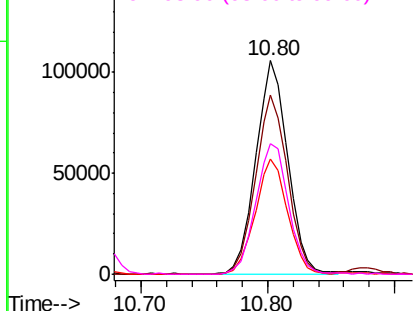
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

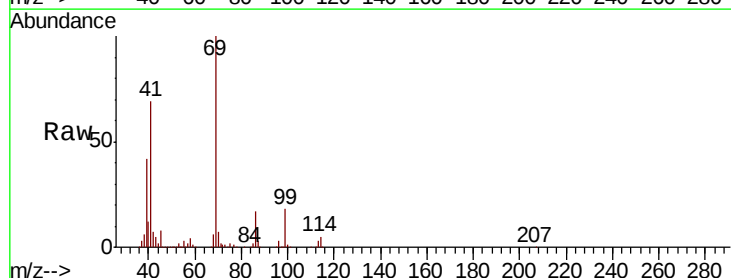
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 50.066 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.0	82.4
39	41.4	33.0	49.6

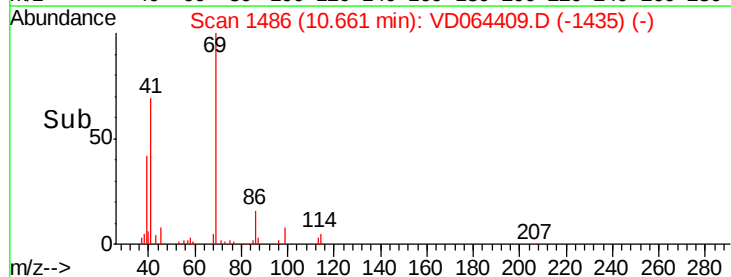
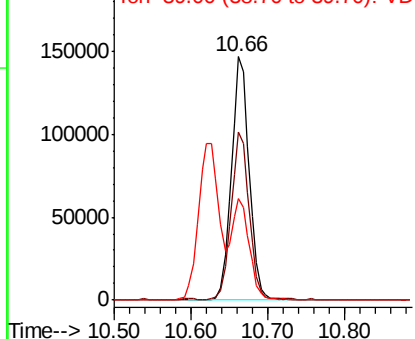


Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.652 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

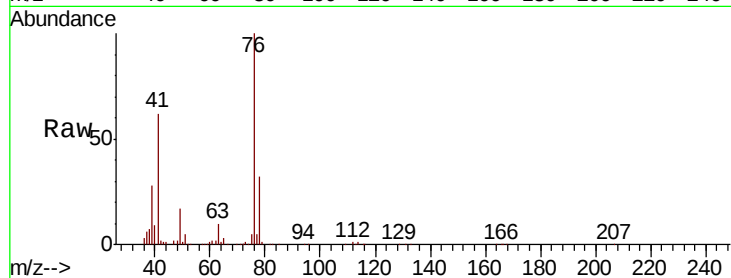
ClientSampleId :

Tot Ion: 76 Resp: 320303

Ion Ratio Lower Upper

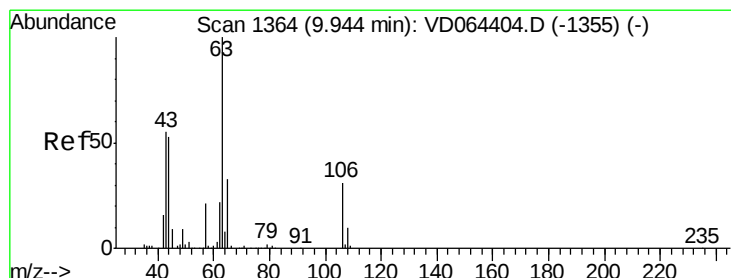
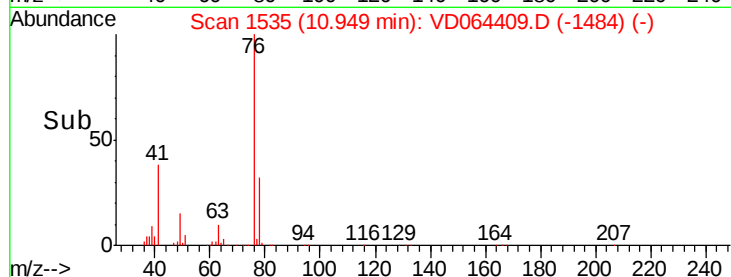
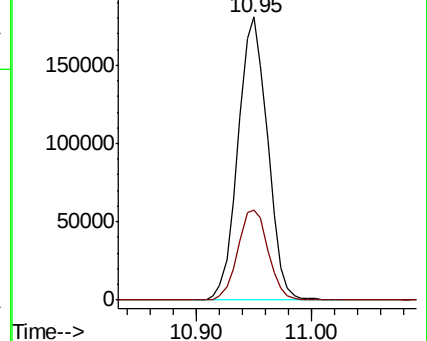
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 244.570 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064409.D

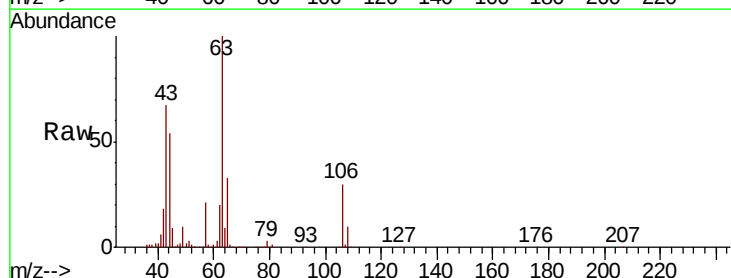
Acq: 04 Dec 2019 11:09

Tgt Ion: 63 Resp: 461933

Ion Ratio Lower Upper

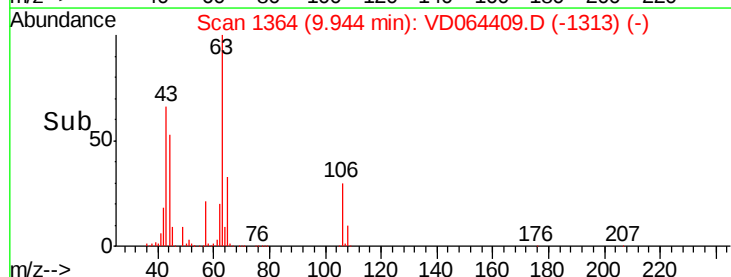
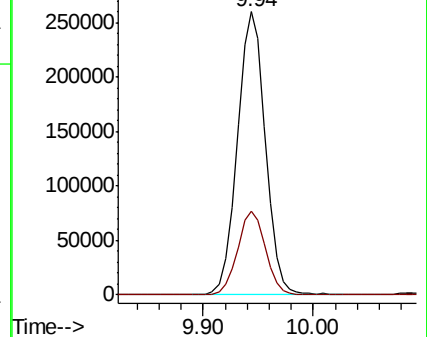
63 100

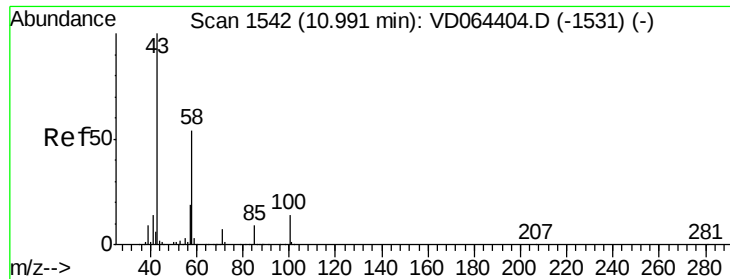
106 29.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

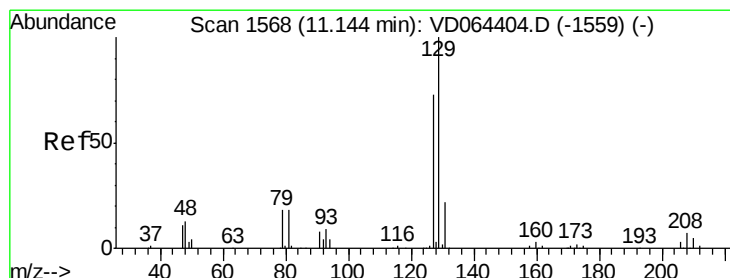
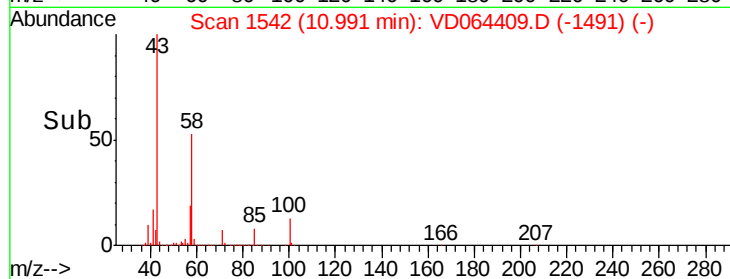
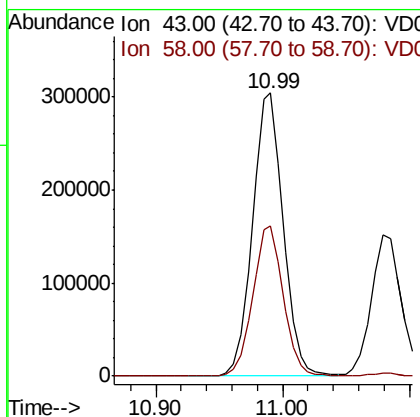
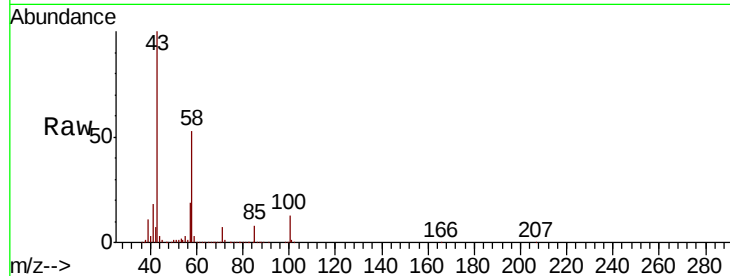




#59
2-Hexanone
Concen: 247.542 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

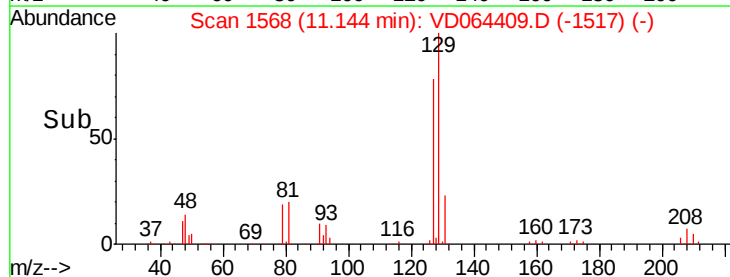
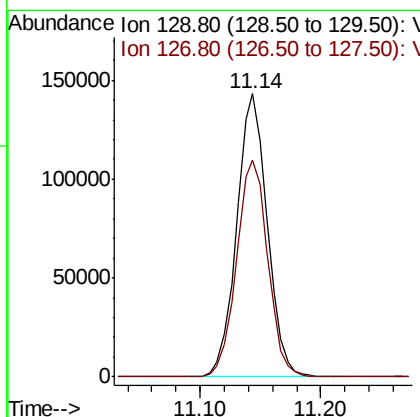
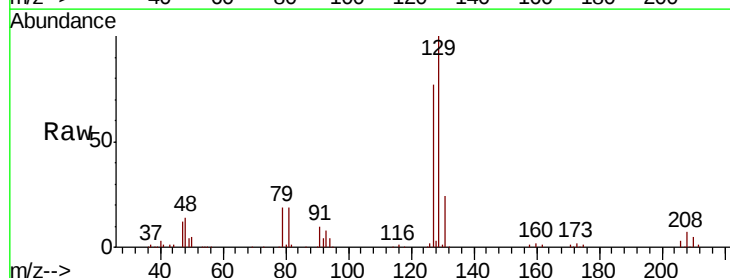
Instrument :
MSVOA_D
ClientSampled :

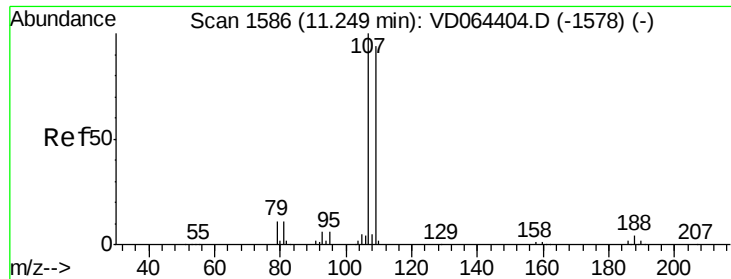
Tot Ion: 43 Resp: 513113
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.8



#60
Dibromochloromethane
Concen: 50.210 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 129 Resp: 252895
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.3

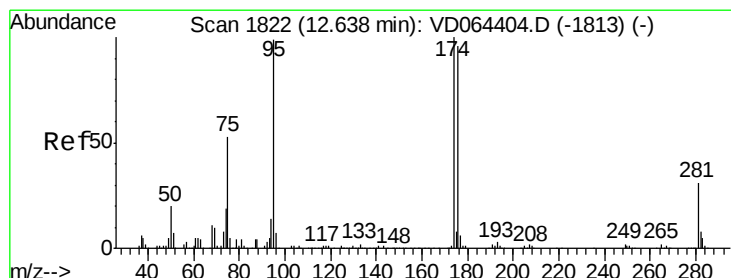
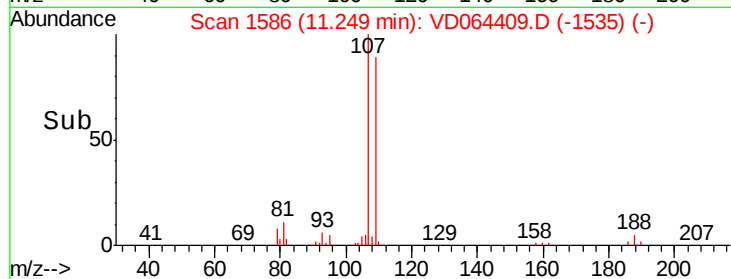
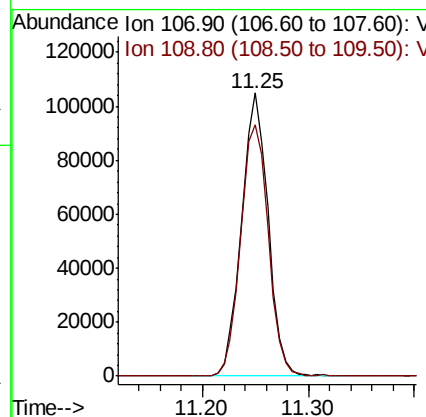
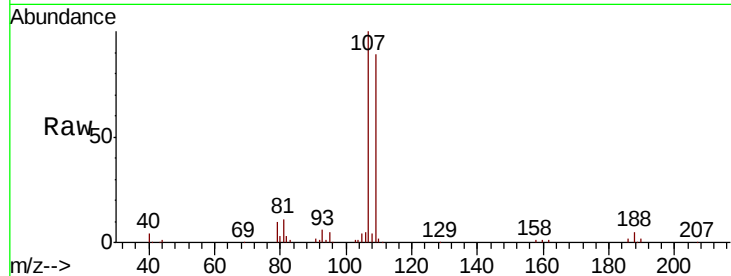




#61
 1,2-Dibromoethane
 Concen: 49.135 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

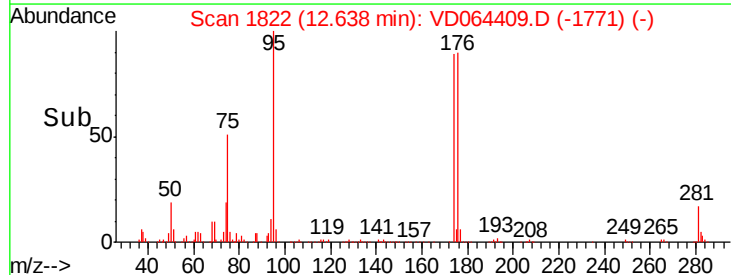
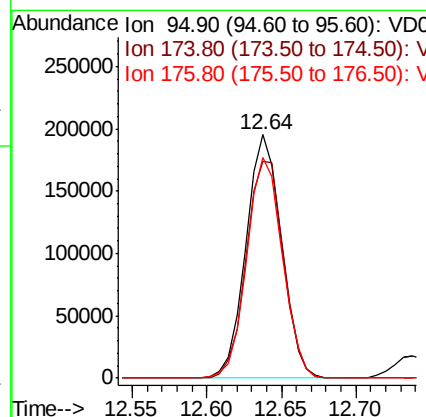
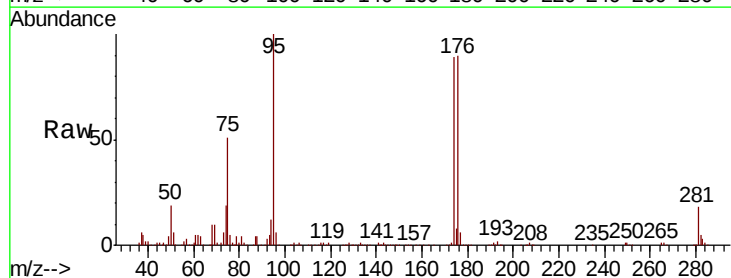
Instrument :
 MSVOA_D
 ClientSampleId :

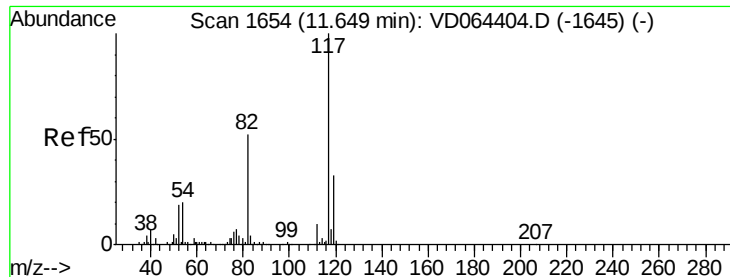
Tot Ion:107 Resp: 182247
 Ion Ratio Lower Upper
 107 100
 109 92.7 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 54.949 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion: 95 Resp: 320647
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 197.2
 176 91.0 0.0 189.6

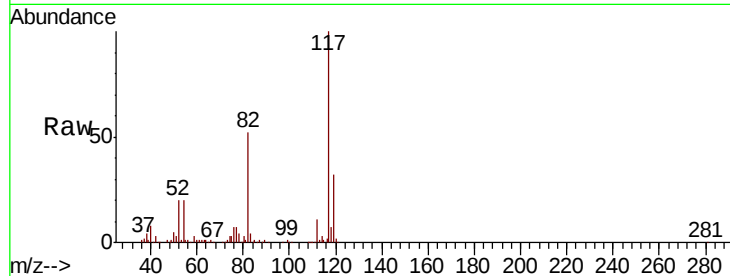




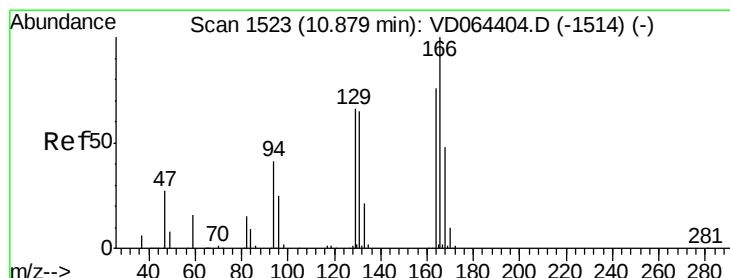
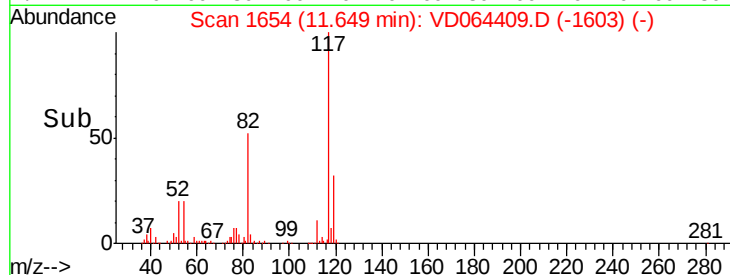
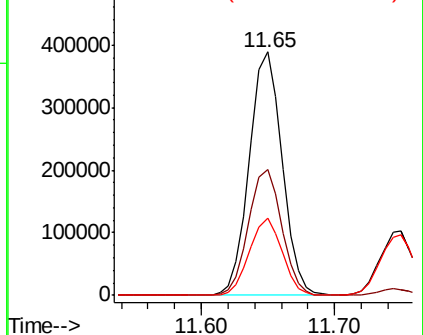
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 659562
Ion Ratio Lower Upper
117 100
82 52.0 41.4 62.2
119 31.9 26.2 39.2

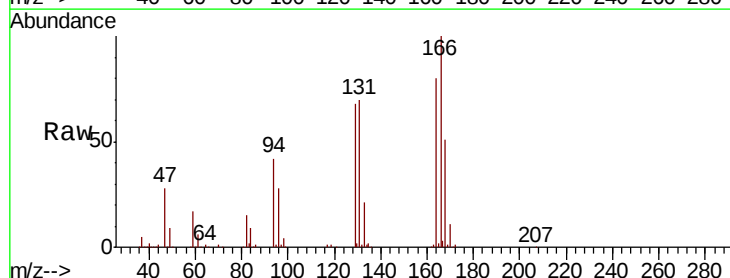


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

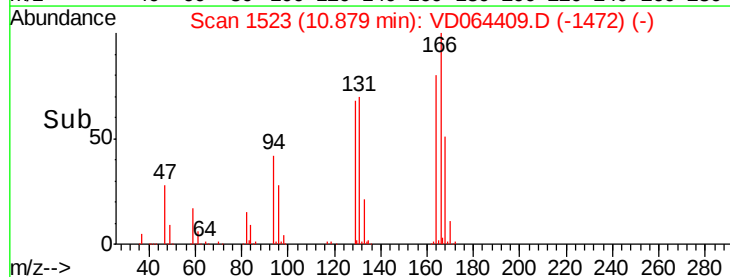
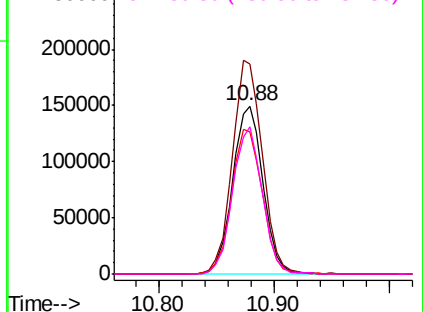


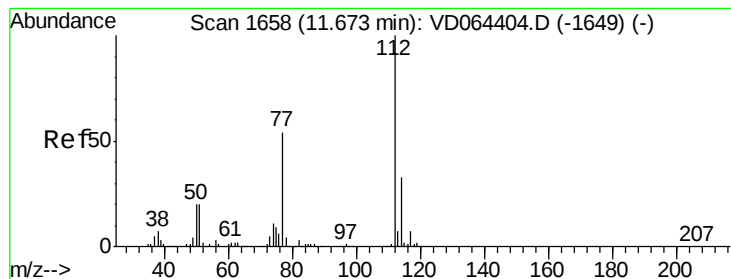
#64
Tetrachloroethene
Concen: 54.004 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion:164 Resp: 271622
Ion Ratio Lower Upper
164 100
166 124.7 104.8 157.2
129 84.3 68.7 103.1
131 87.6 67.9 101.9



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





#65

Chlorobenzene

Concen: 52.673 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

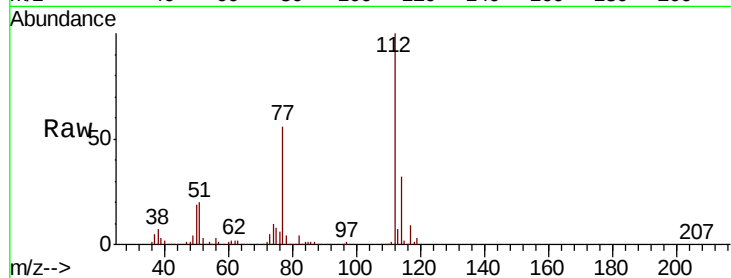
ClientSampleId :

Tot Ion:112 Resp: 724590

Ion Ratio Lower Upper

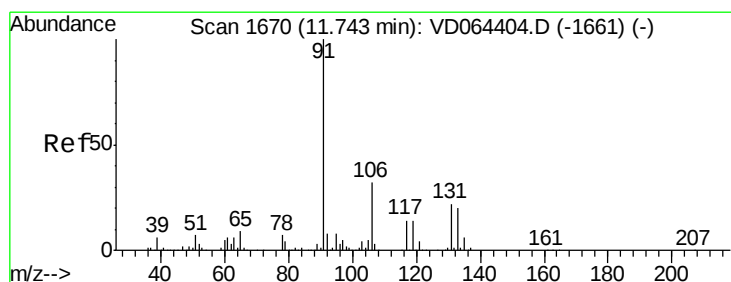
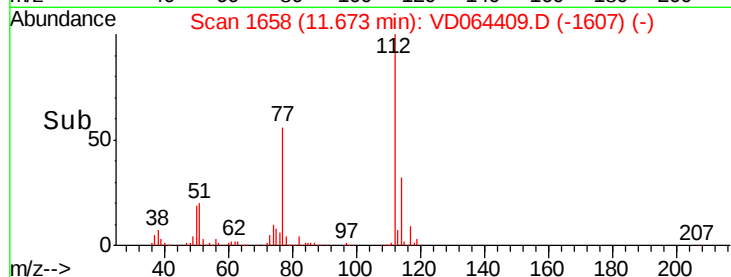
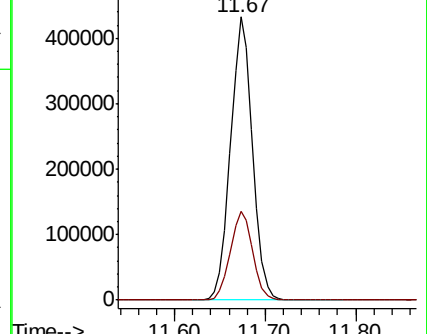
112 100

114 31.6 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.411 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

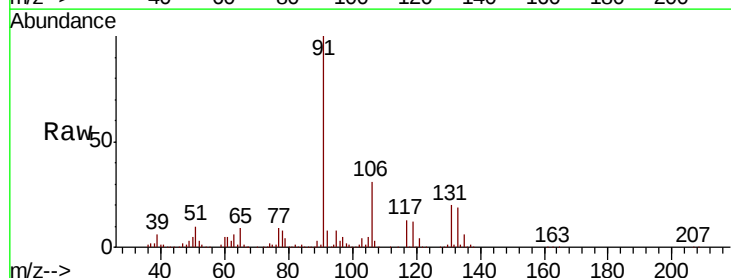
Tgt Ion:131 Resp: 271990

Ion Ratio Lower Upper

131 100

133 95.8 48.3 144.9

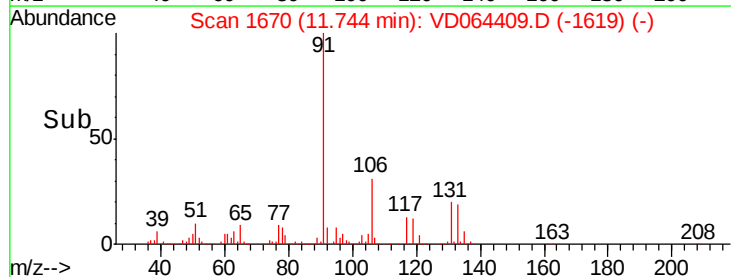
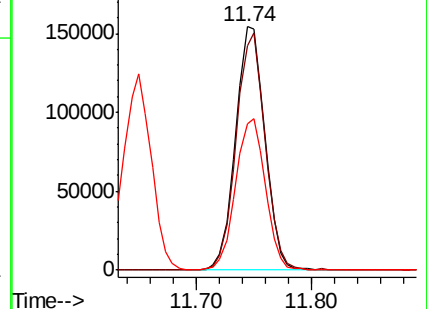
119 63.2 31.9 95.9

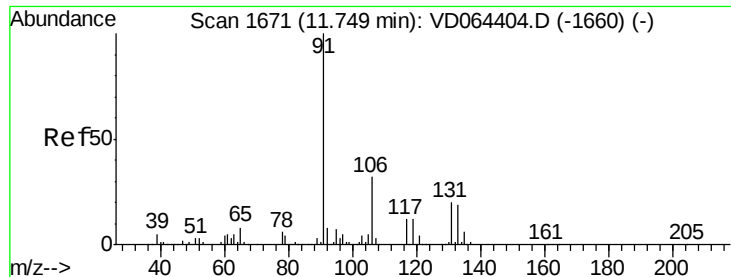


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.564 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

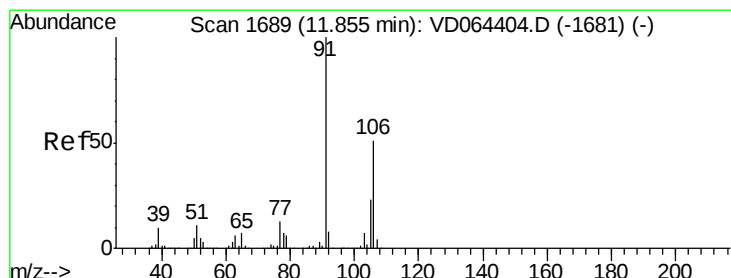
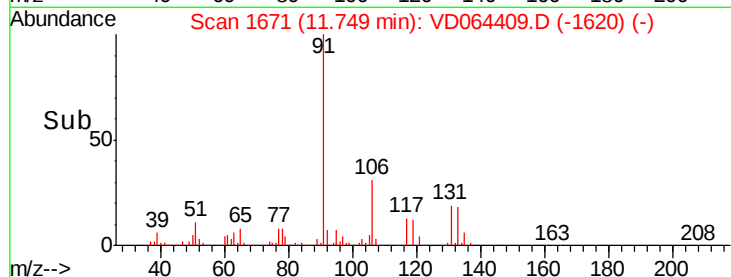
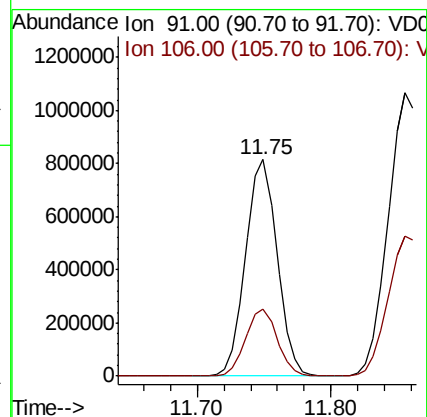
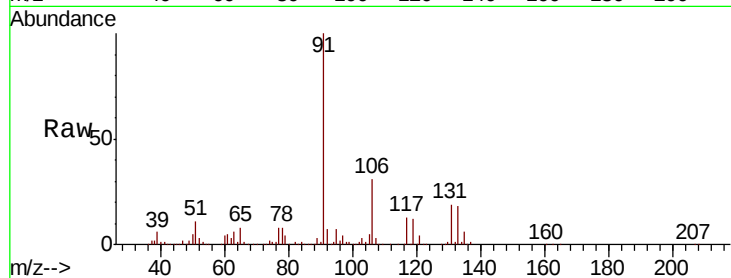
ClientSampleId :

Tot Ion: 91 Resp: 1335482

Ion Ratio Lower Upper

91 100

106 31.2 25.8 38.8



#68

m/p-Xylenes

Concen: 109.512 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064409.D

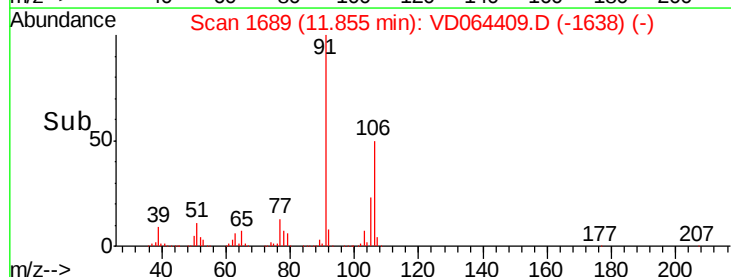
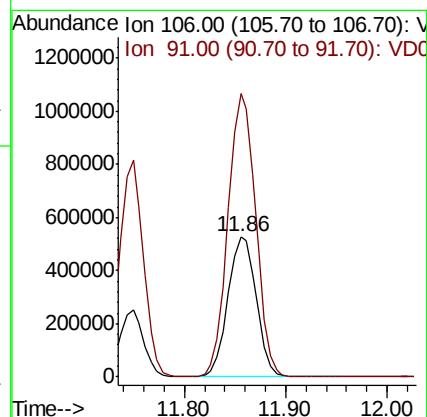
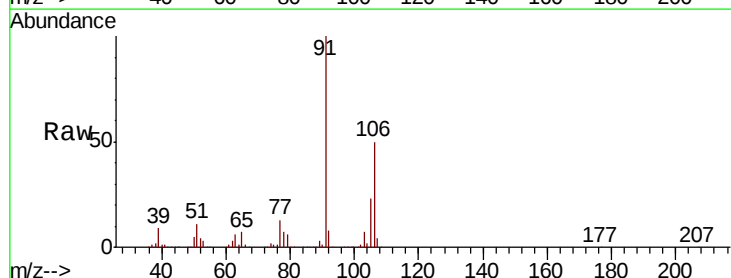
Acq: 04 Dec 2019 11:09

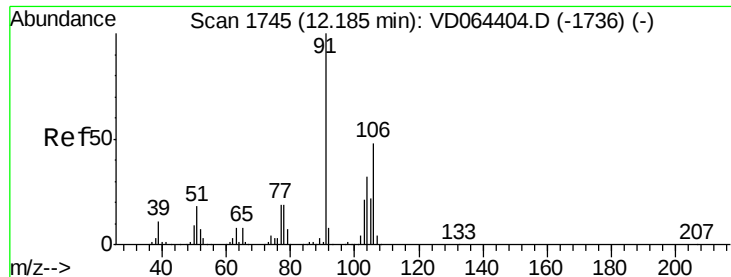
Tgt Ion: 106 Resp: 1021997

Ion Ratio Lower Upper

106 100

91 198.6 157.4 236.2

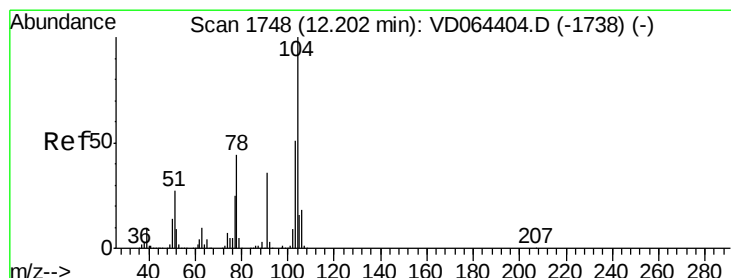
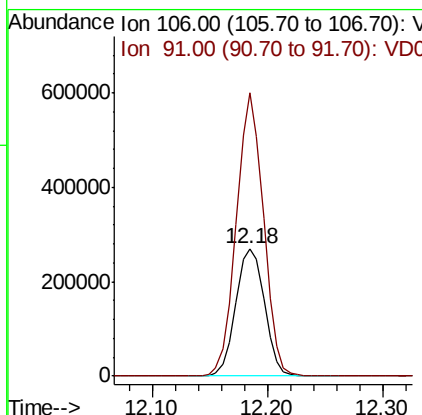
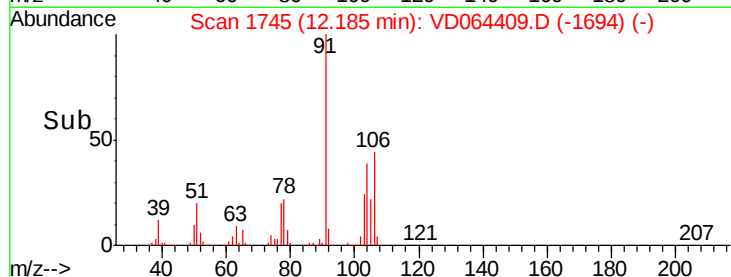
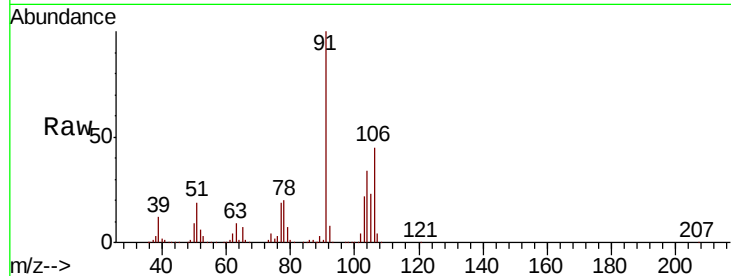




#69
o-Xylene
Concen: 53.983 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

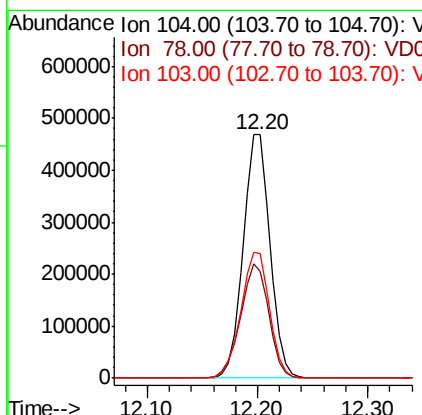
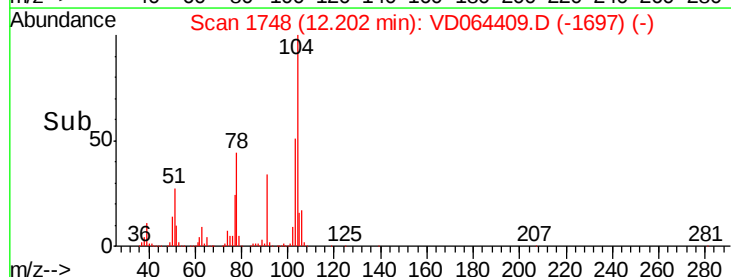
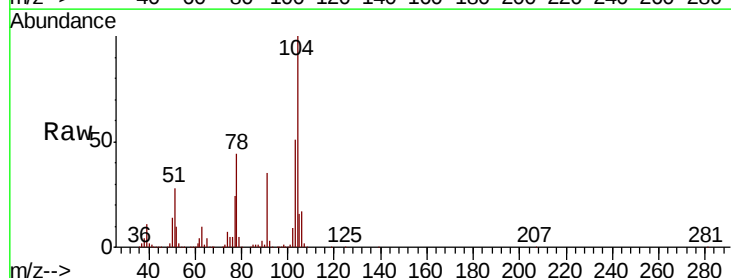
Instrument :
MSVOA_D
ClientSampleId :

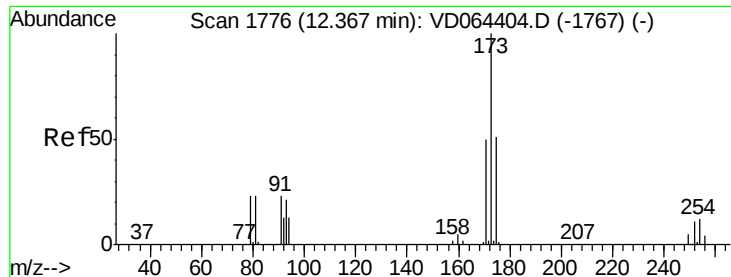
Tot Ion:106 Resp: 465275
Ion Ratio Lower Upper
106 100
91 209.7 103.8 311.4



#70
Styrene
Concen: 53.579 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion:104 Resp: 802488
Ion Ratio Lower Upper
104 100
78 49.5 38.8 58.2
103 55.3 44.2 66.4

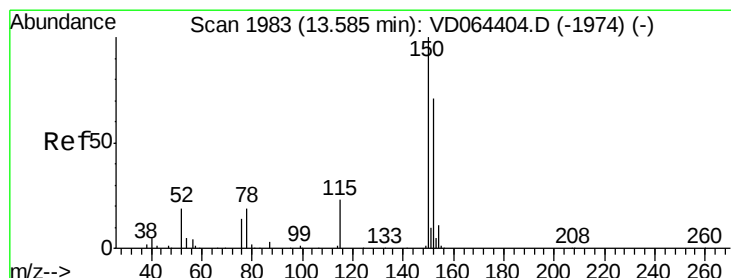
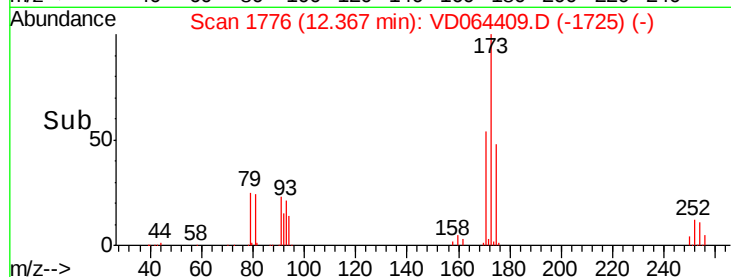
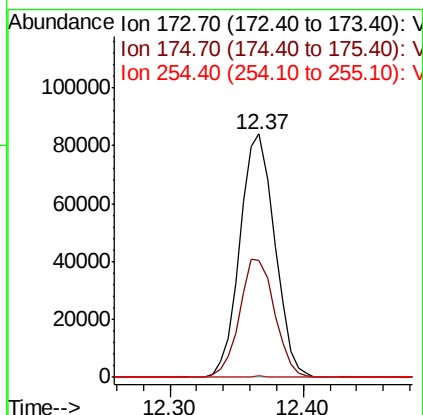
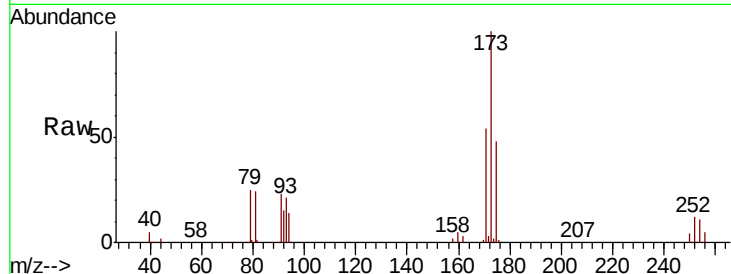




#71
Bromoform
Concen: 49.721 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

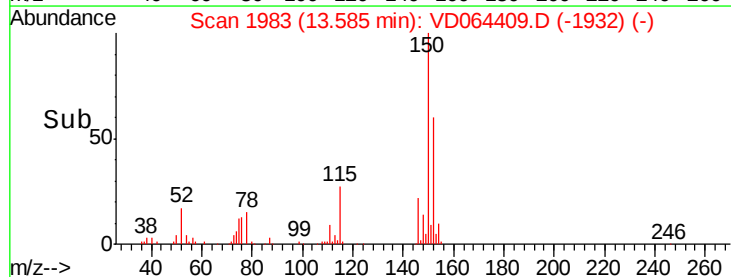
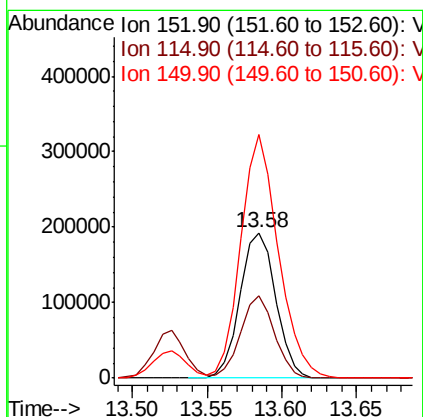
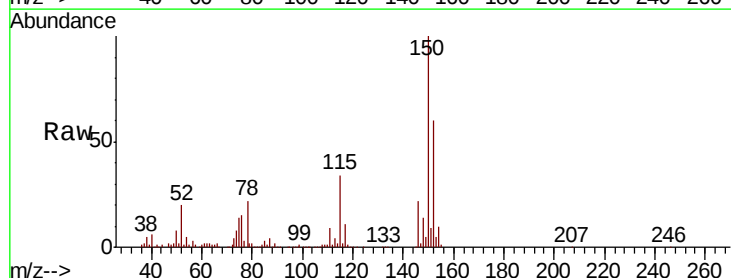
Instrument :
MSVOA_D
ClientSampled :

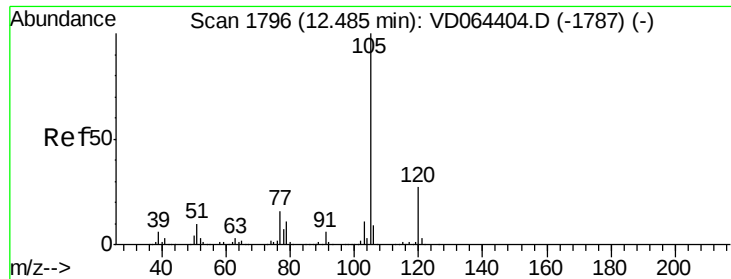
Tot Ion:173 Resp: 151487
Ion Ratio Lower Upper
173 100
175 49.0 25.3 75.8
254 0.2 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion:152 Resp: 319442
Ion Ratio Lower Upper
152 100
115 53.8 26.7 80.1
150 176.1 0.0 347.2





#73

Isopropylbenzene

Concen: 55.879 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

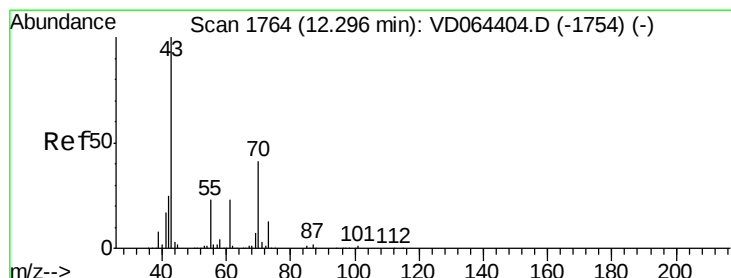
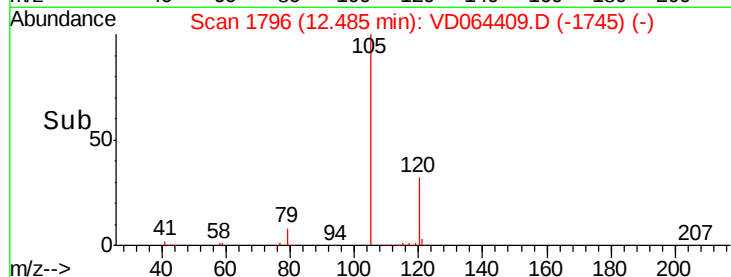
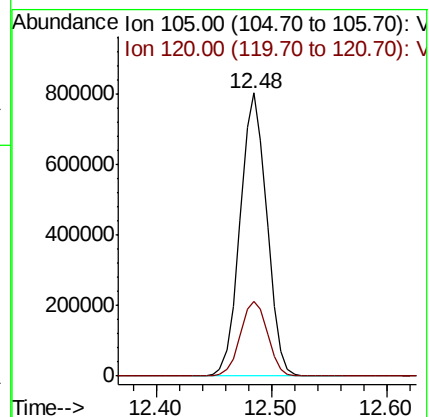
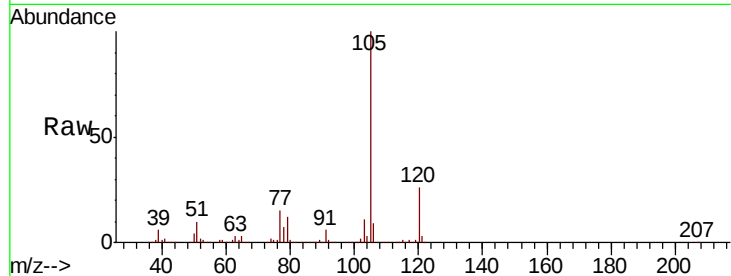
ClientSampleId :

Tot Ion:105 Resp: 1283810

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 52.329 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion: 43 Resp: 272862

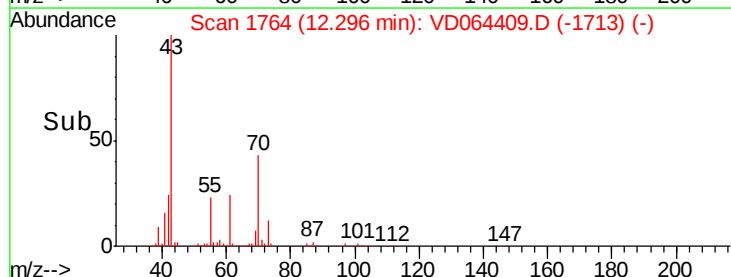
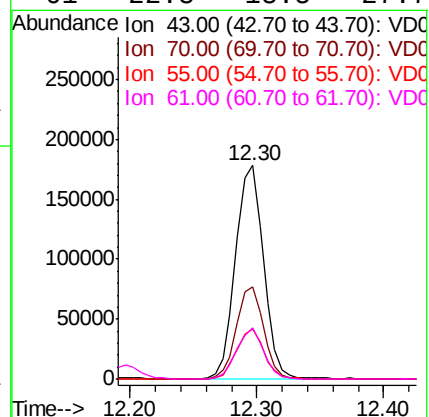
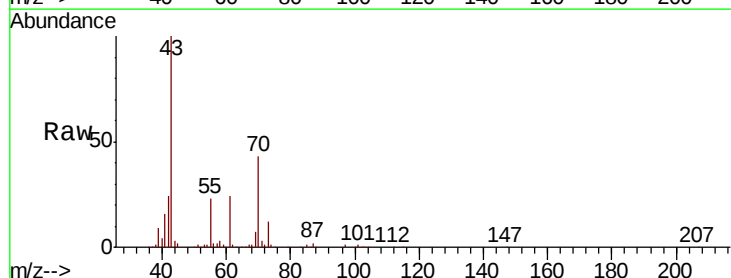
Ion Ratio Lower Upper

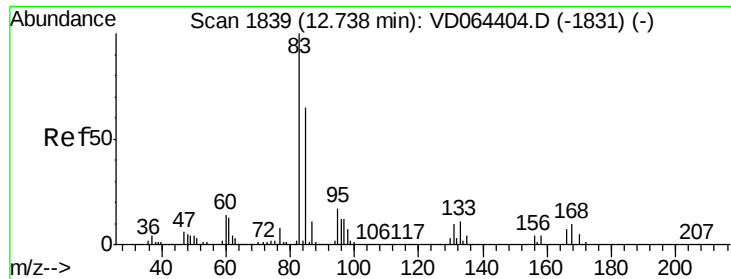
43 100

70 41.8 33.4 50.2

55 23.1 18.9 28.3

61 22.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.939 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

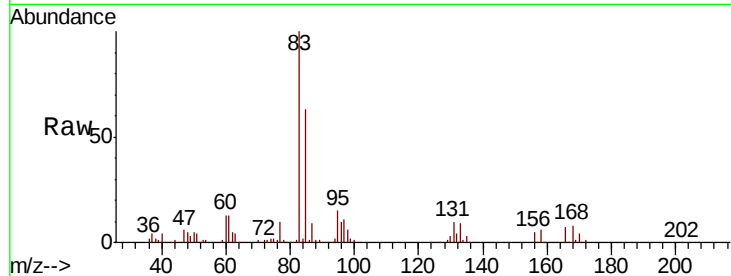
Tot Ion: 83 Resp: 189732

Ion Ratio Lower Upper

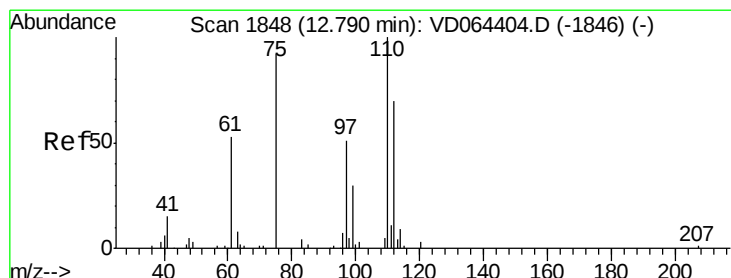
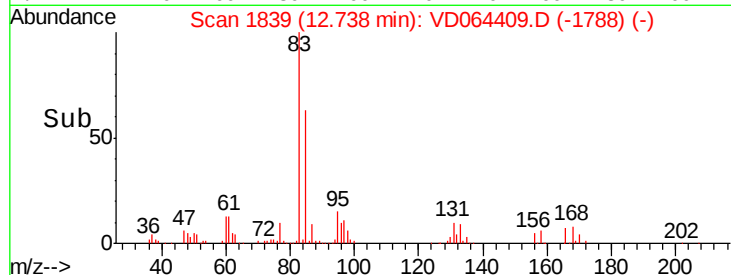
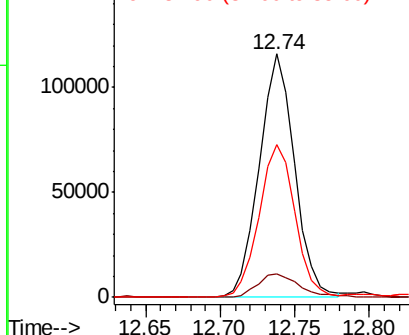
83 100

131 11.5 5.7 17.0

85 63.8 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: 97.219 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064409.D

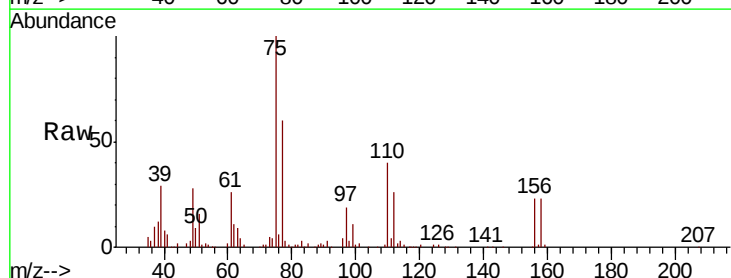
Acq: 04 Dec 2019 11:09

Tgt Ion: 75 Resp: 255393

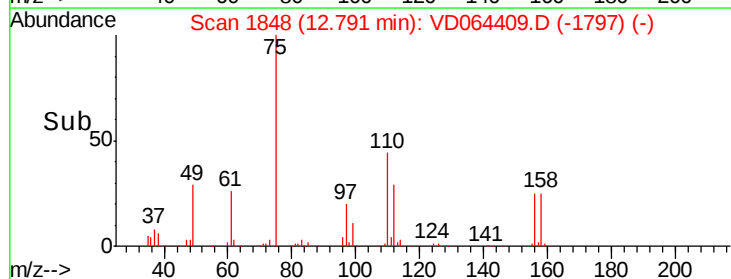
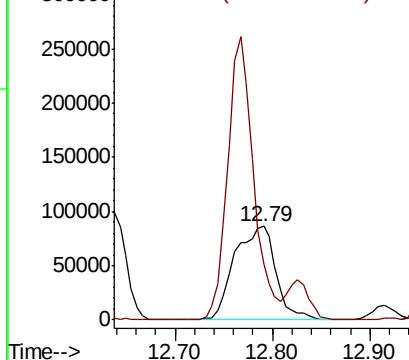
Ion Ratio Lower Upper

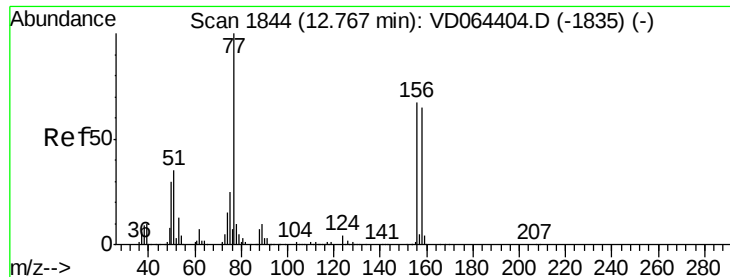
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 53.626 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

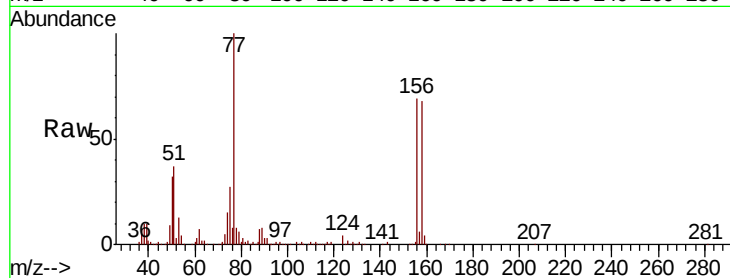
Tot Ion:156 Resp: 304246

Ion Ratio Lower Upper

156 100

77 159.1 80.0 240.2

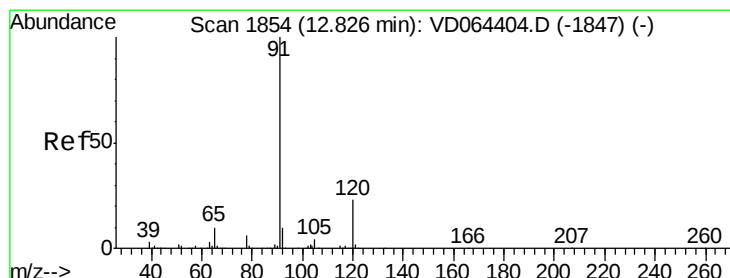
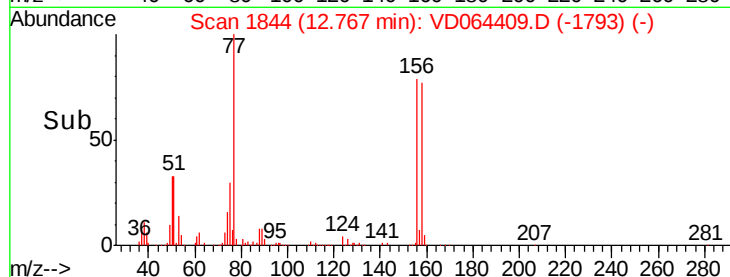
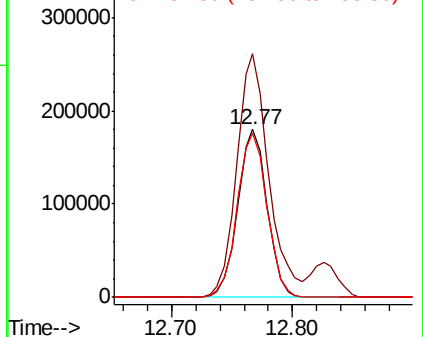
158 99.8 48.9 146.6



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: 56.067 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064409.D

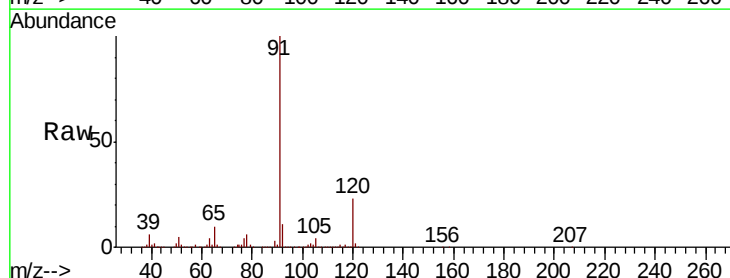
Acq: 04 Dec 2019 11:09

Tgt Ion: 91 Resp: 1486233

Ion Ratio Lower Upper

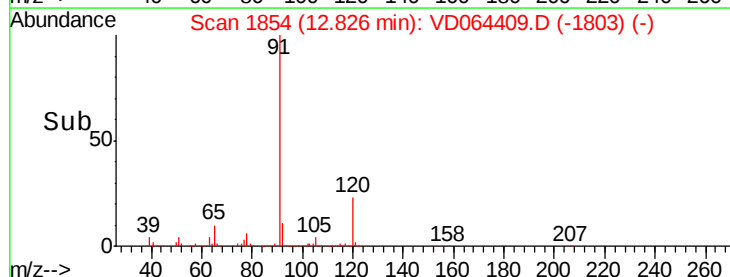
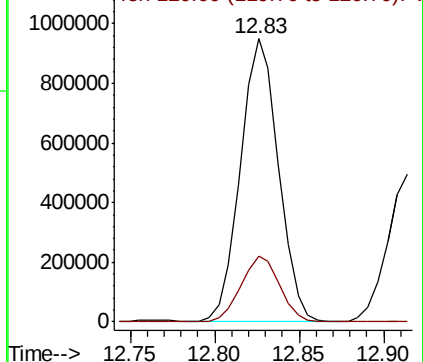
91 100

120 23.6 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: 54.894 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

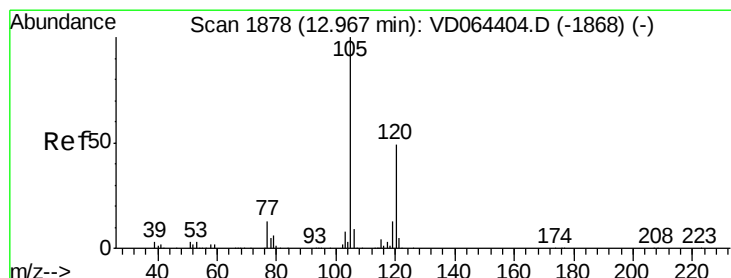
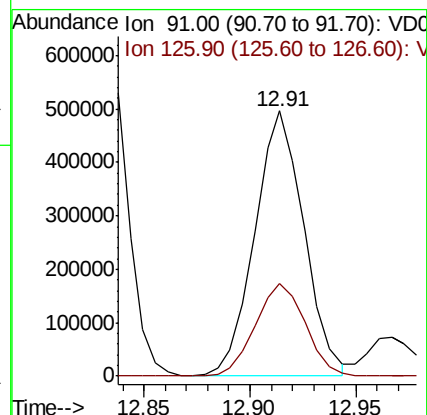
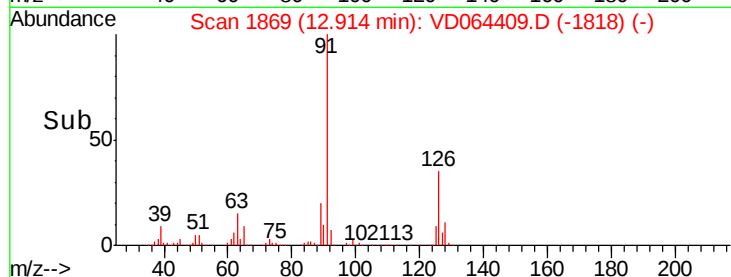
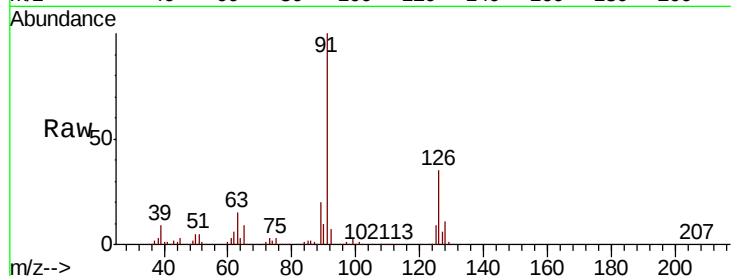
ClientSampled :

Tot Ion: 91 Resp: 800692

Ion Ratio Lower Upper

91 100

126 35.8 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 55.784 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064409.D

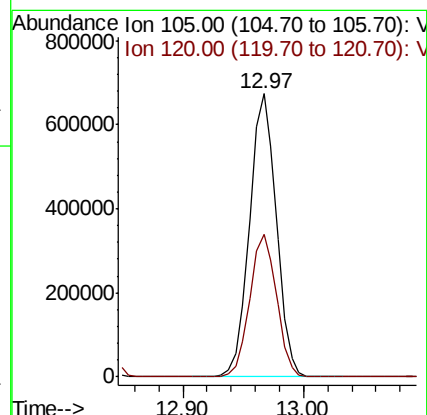
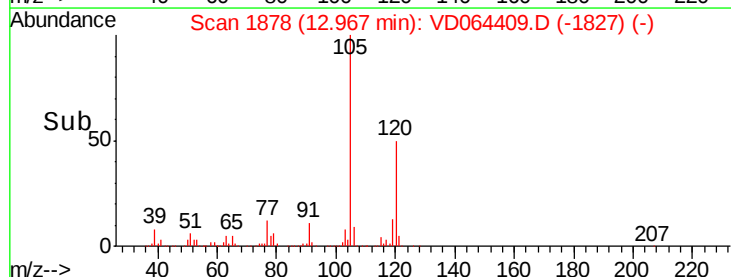
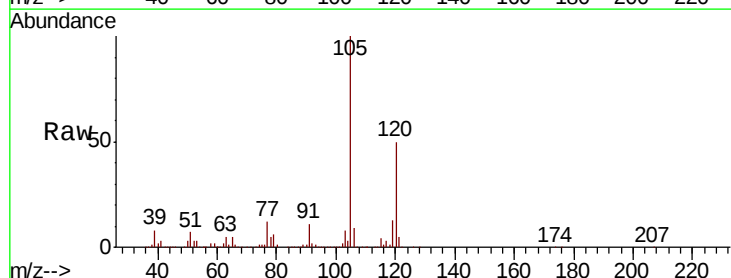
Acq: 04 Dec 2019 11:09

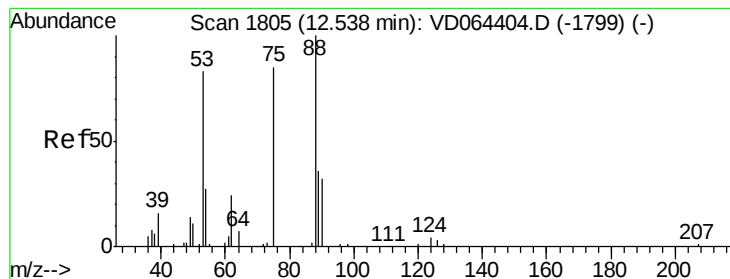
Tgt Ion:105 Resp: 1047336

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.805 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

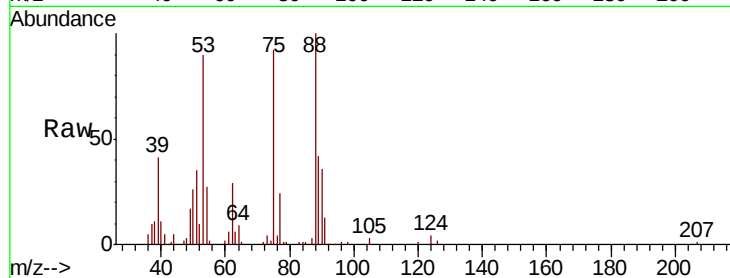
Tot Ion: 75 Resp: 64822

Ion Ratio Lower Upper

75 100

53 99.2 81.0 121.6

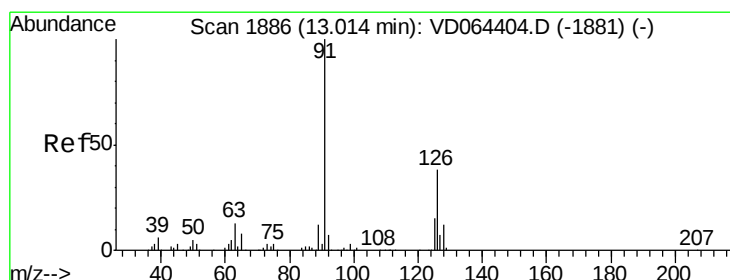
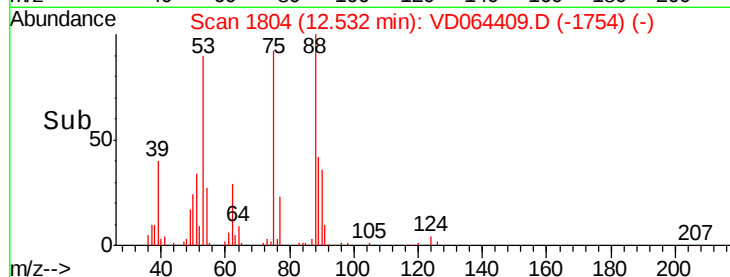
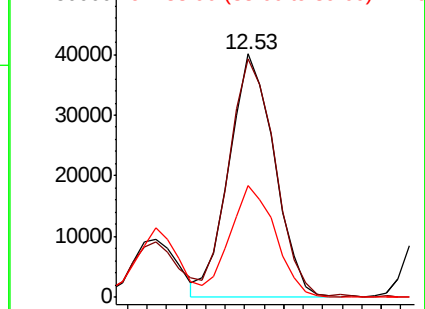
89 45.5 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 54.856 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064409.D

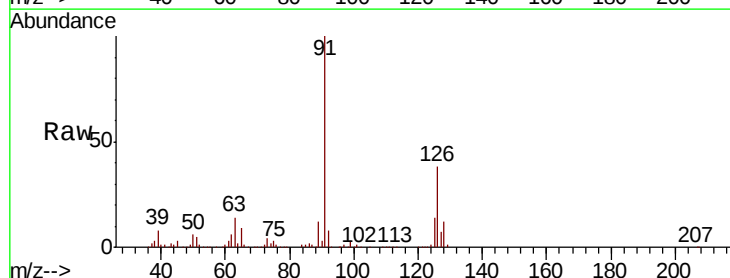
Acq: 04 Dec 2019 11:09

Tgt Ion: 91 Resp: 847169

Ion Ratio Lower Upper

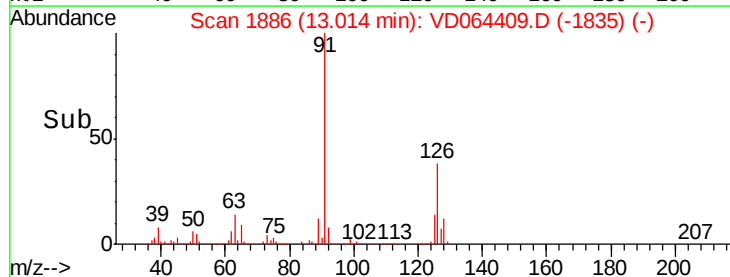
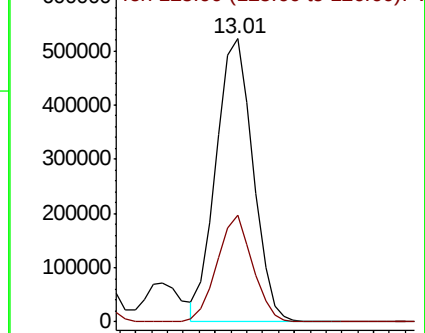
91 100

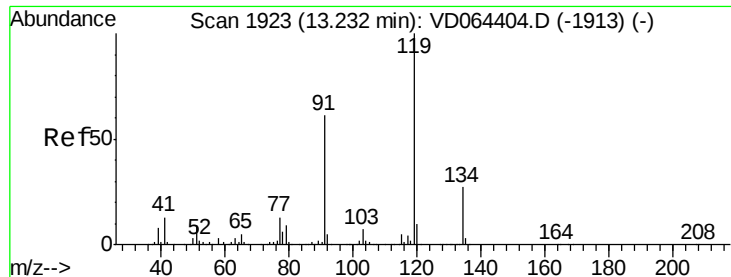
126 36.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

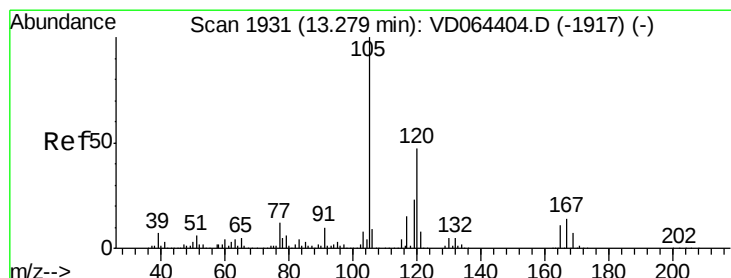
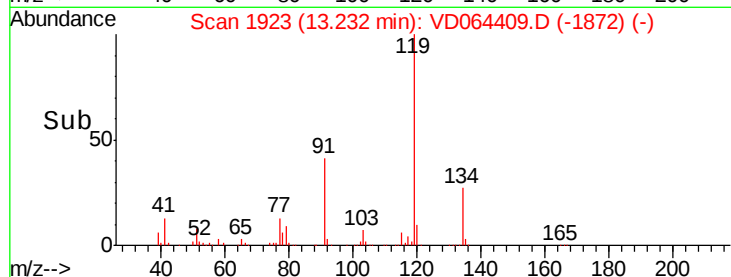
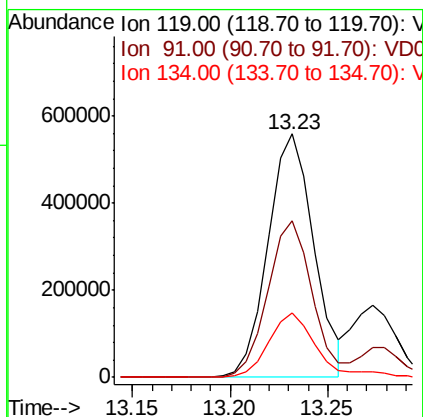
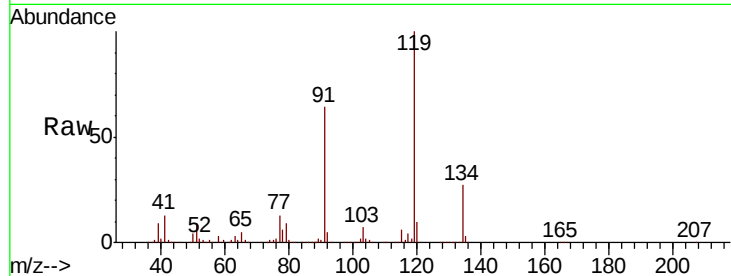




#83
 tert-Butylbenzene
 Concen: 55.721 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

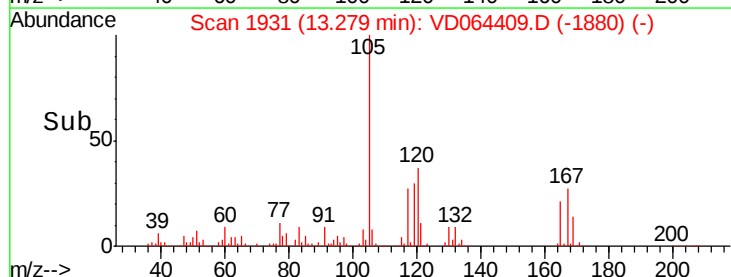
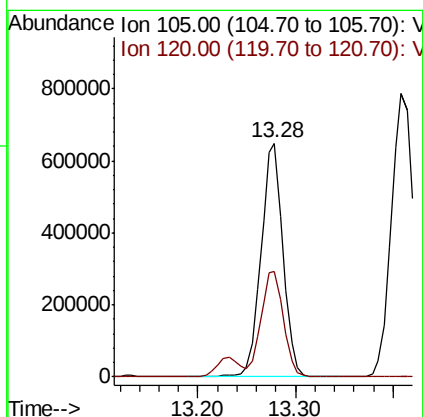
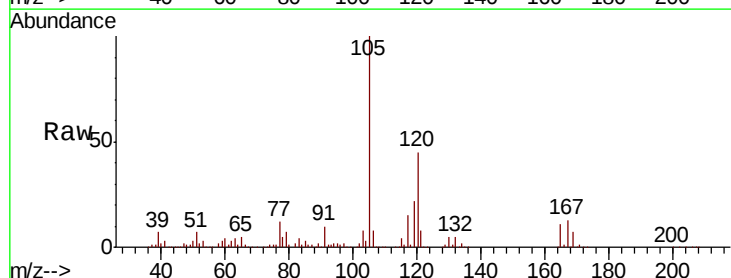
Instrument :
 MSVOA_D
 ClientSampleID :

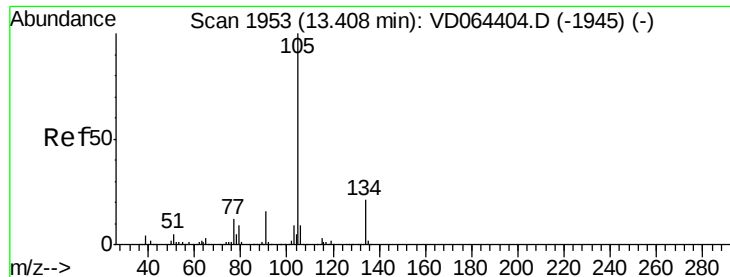
Tot Ion:119 Resp: 909500
 Ion Ratio Lower Upper
 119 100
 91 63.0 31.2 93.6
 134 27.7 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 54.484 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion:105 Resp: 1028582
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.6 70.8





#85

sec-Butylbenzene

Concen: 56.304 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

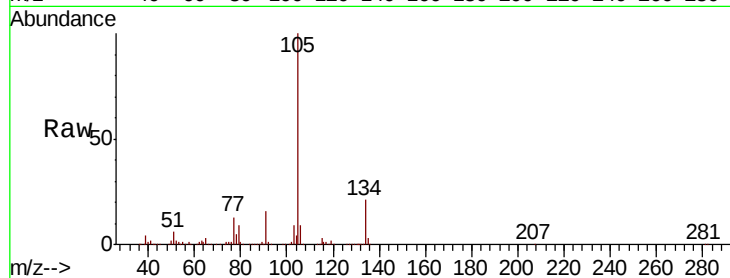
ClientSampled :

Tot Ion:105 Resp: 1261313

Ion Ratio Lower Upper

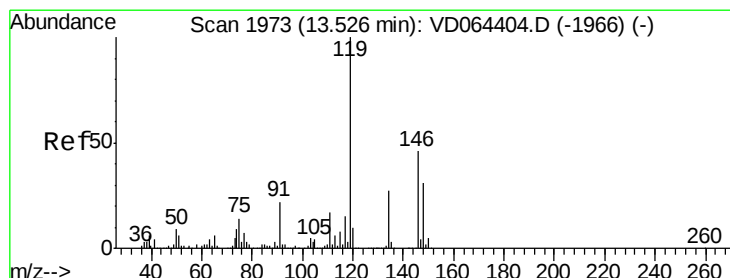
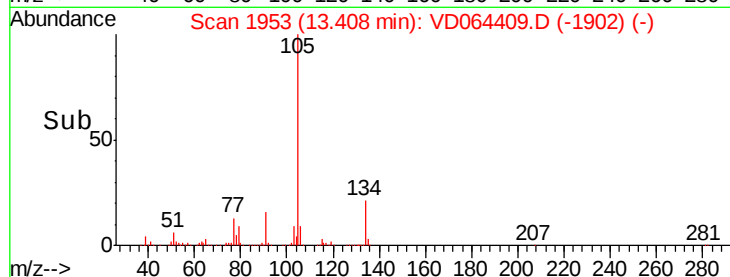
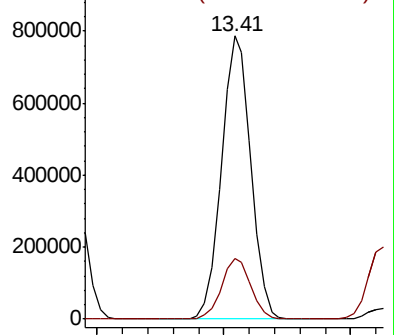
105 100

134 21.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.594 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

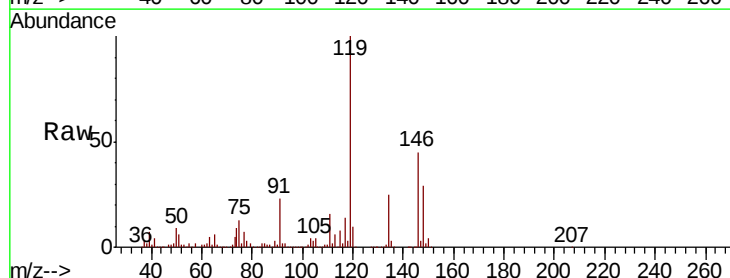
Tgt Ion:119 Resp: 1196931

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

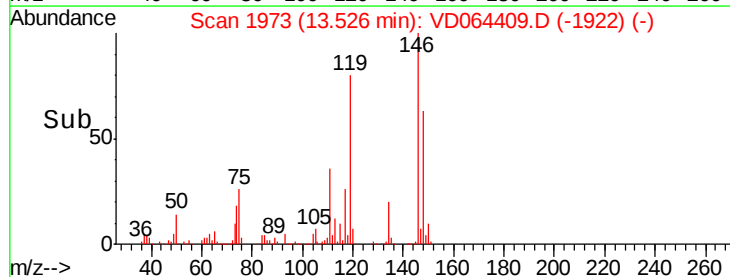
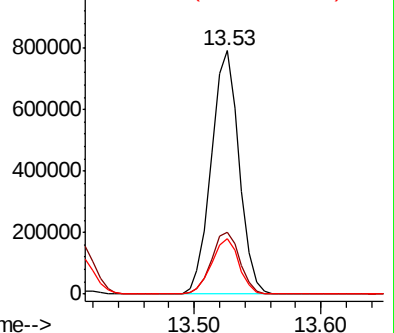
91 22.5 11.2 33.5



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

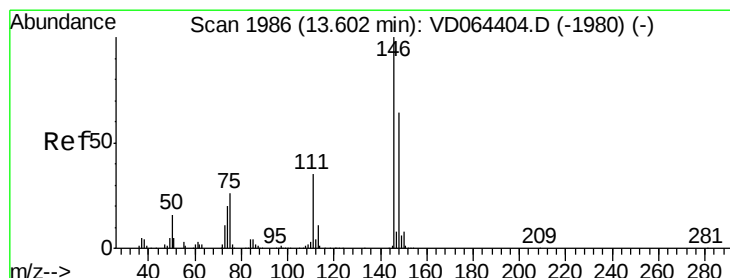
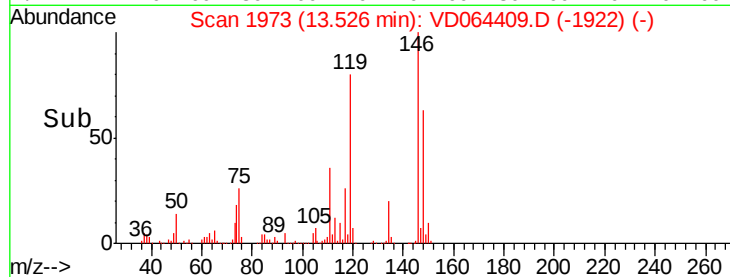
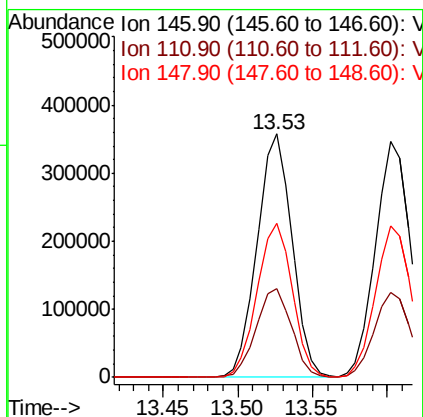
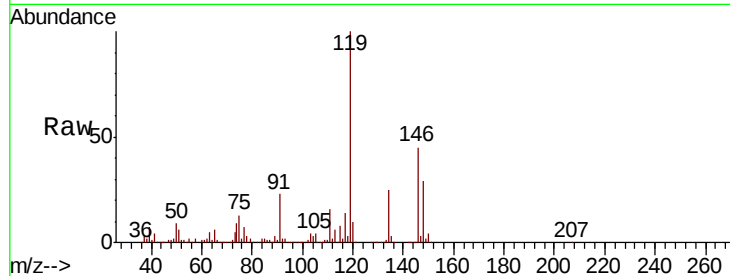




#87
 1,3-Dichlorobenzene
 Concen: 53.796 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

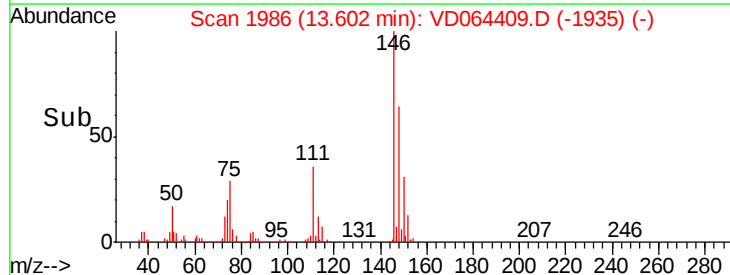
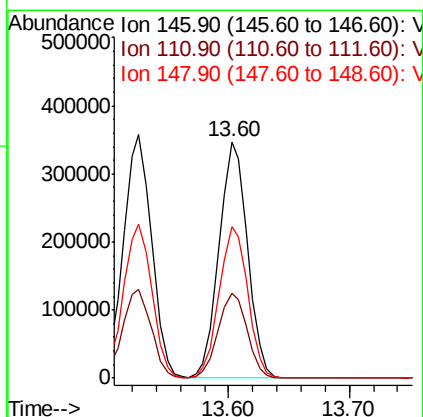
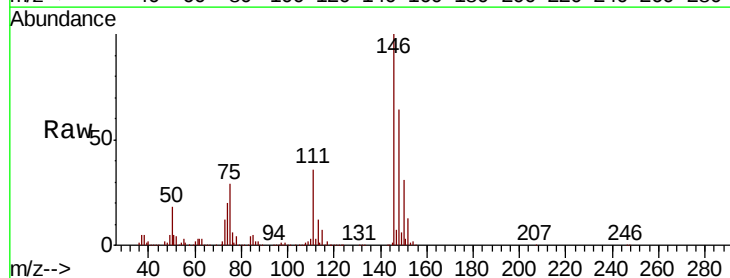
Instrument :
 MSVOA_D
 ClientSampled :

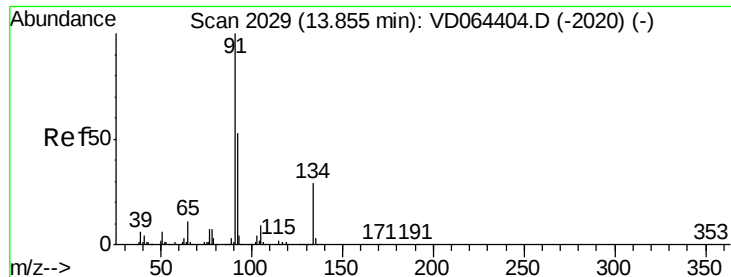
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	63.9	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 52.988 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.2	54.6
148	64.8	31.8	95.4

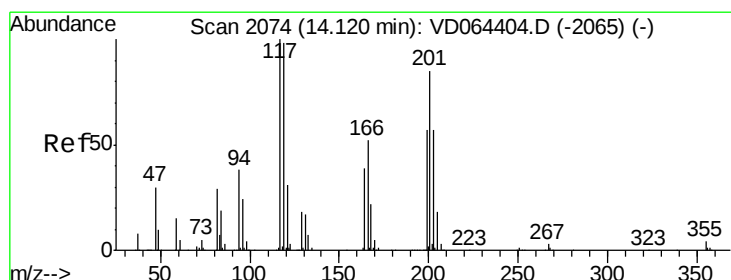
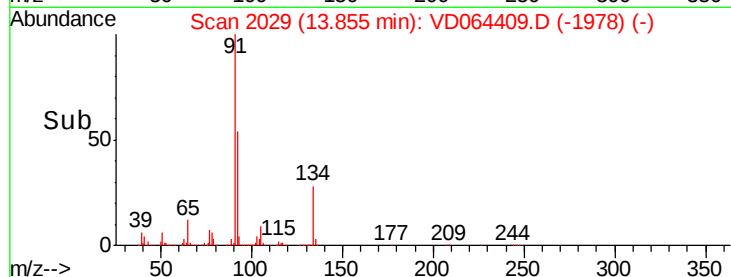
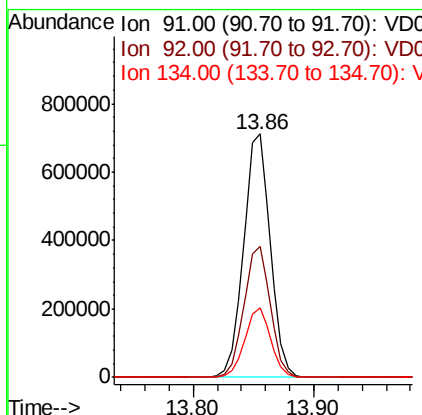
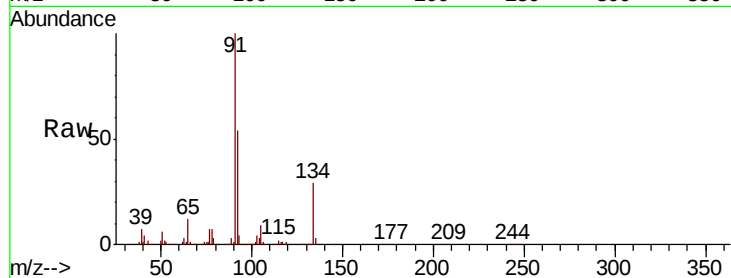




#89
n-Butylbenzene
Concen: 57.002 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

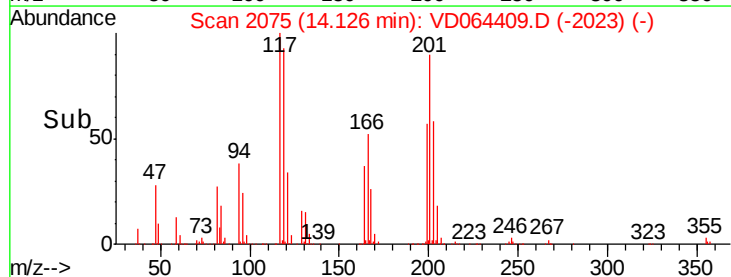
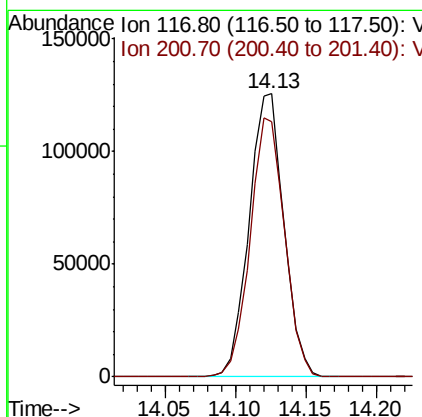
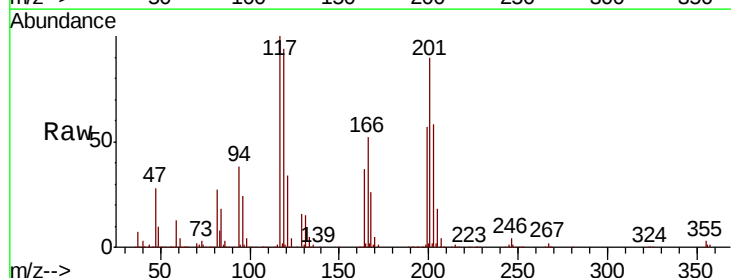
Instrument :
MSVOA_D
ClientSampleId :

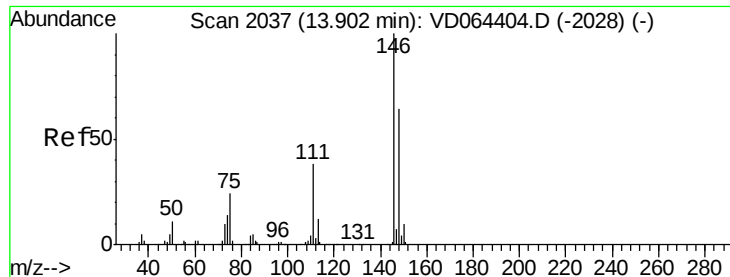
Tot Ion: 91 Resp: 1094804
Ion Ratio Lower Upper
91 100
92 53.5 26.5 79.4
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 55.221 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 117 Resp: 218443
Ion Ratio Lower Upper
117 100
201 90.5 44.3 132.8

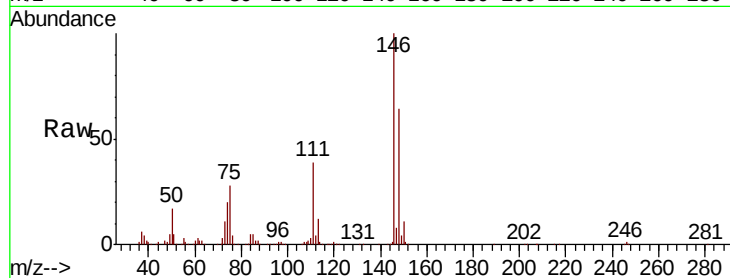




#91
 1,2-Dichlorobenzene
 Concen: 52.822 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.6	32.0	96.0

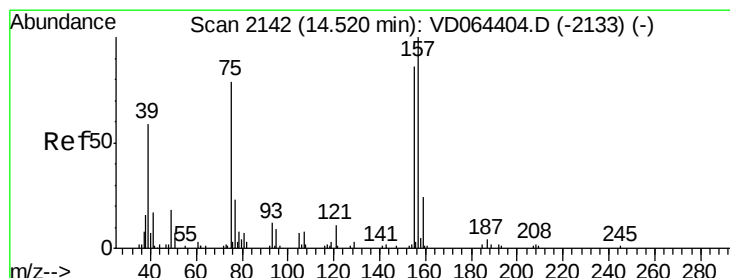
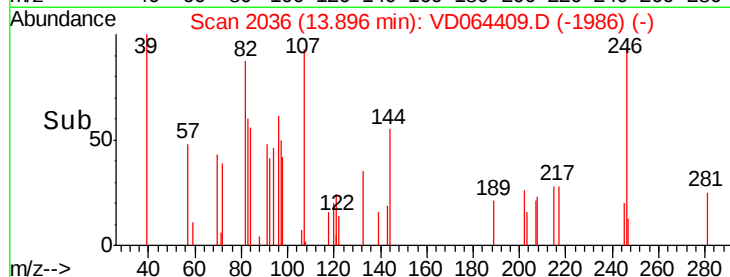
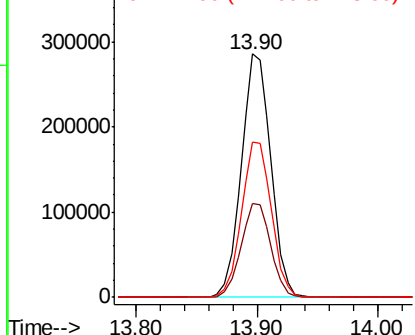


Abundance

Ion 145.90 (145.60 to 146.60): V

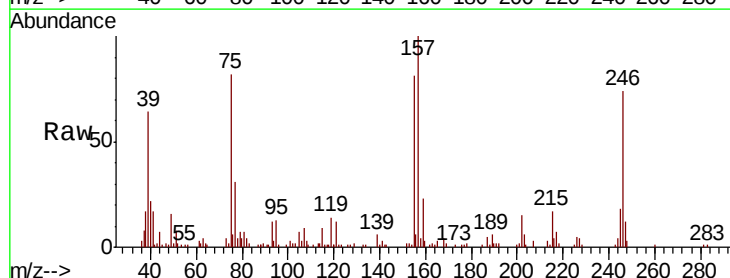
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.135 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	51.9	155.7
157	124.0	63.2	189.8

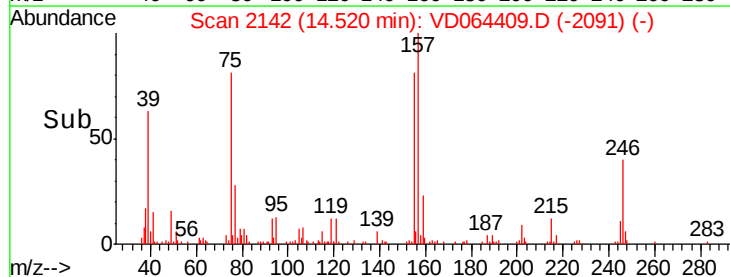
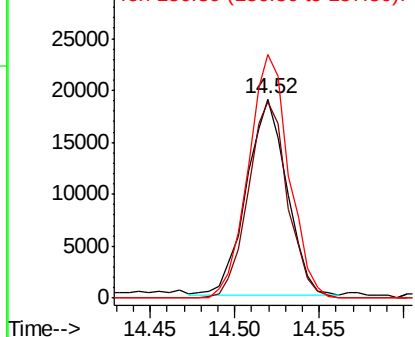


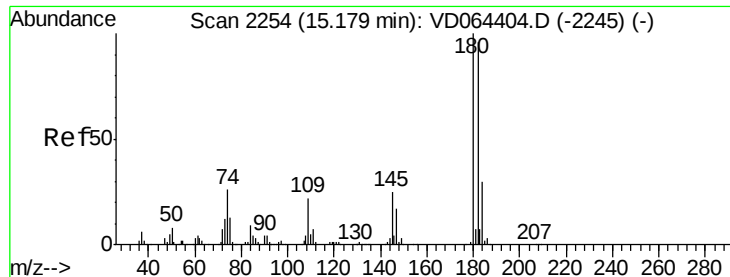
Abundance

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

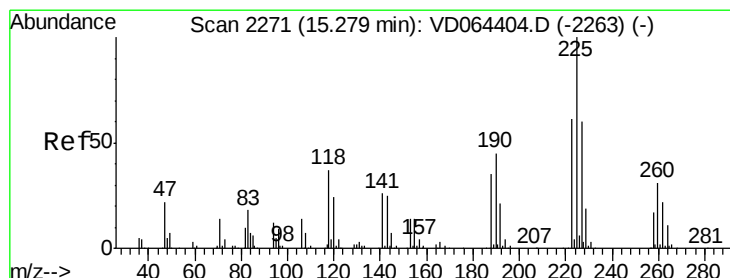
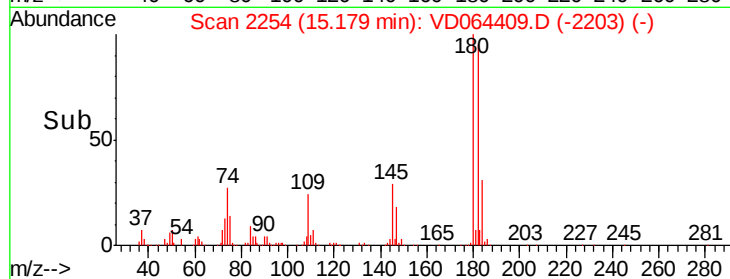
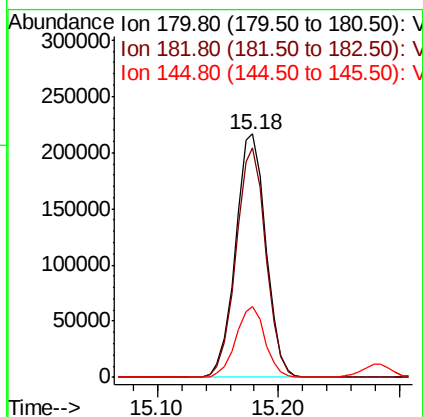
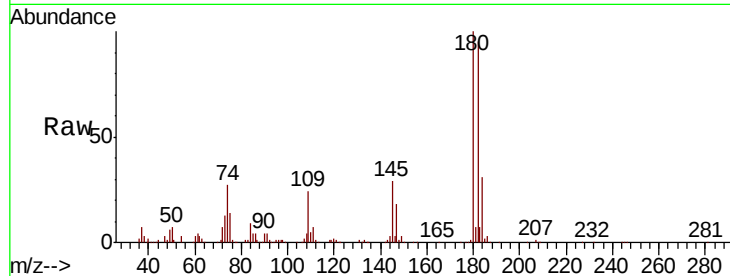




#93
 1,2,4-Trichlorobenzene
 Concen: 53.791 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

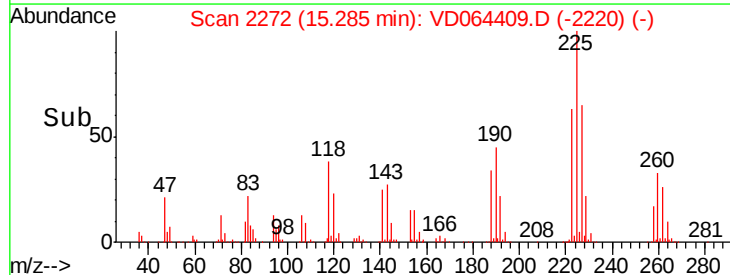
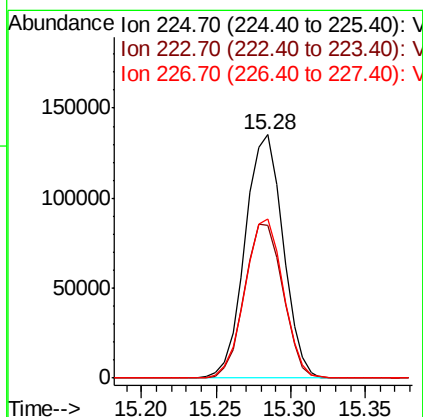
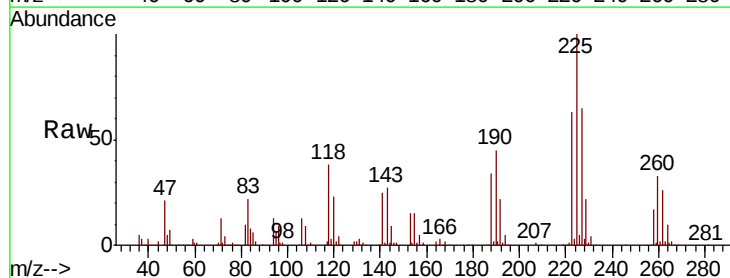
Instrument :
 MSVOA_D
 ClientSampled :

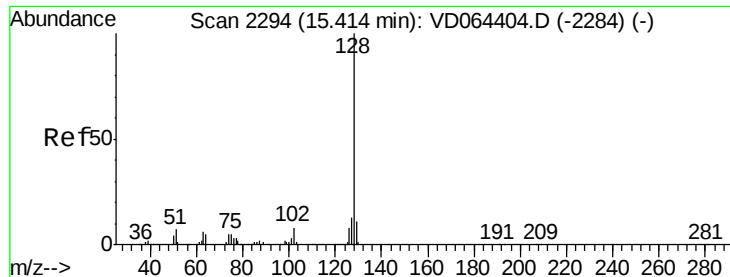
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.3
145	28.0	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 54.671 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	65.7	31.8	95.4





#95

Naphthalene

Concen: 51.234 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

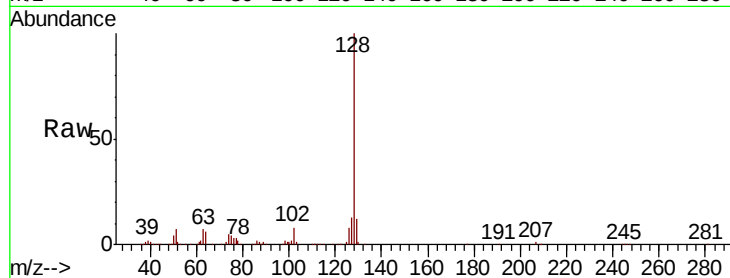
Tot Ion:128 Resp: 602620

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

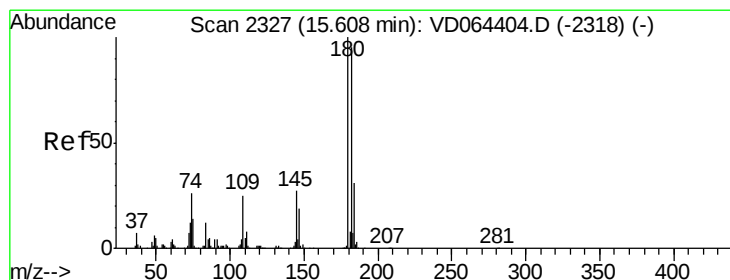
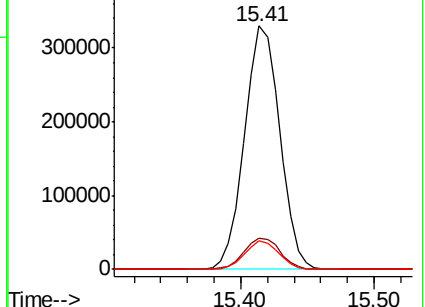
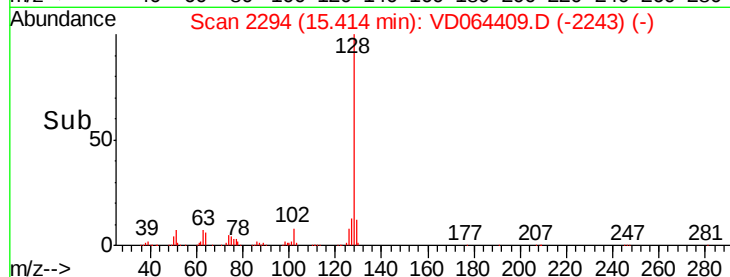
129 11.2 8.8 13.2



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: 52.779 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

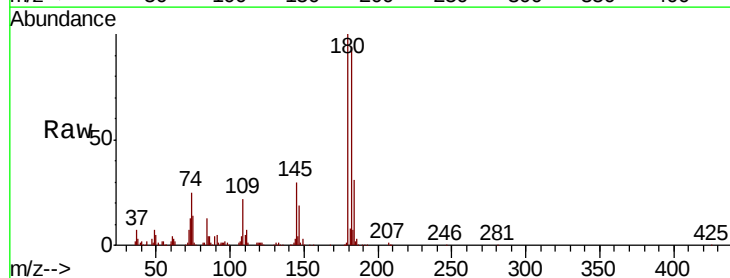
Tgt Ion:180 Resp: 317524

Ion Ratio Lower Upper

180 100

182 95.7 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

