

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064790.D
 Acq On : 07 Jan 2020 13:47
 Operator : VA/SY
 Sample : VD0107SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:36:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	330885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	490248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	152442	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.91	113	155521	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.34	98	586233	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.64	95	182807	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	51765	20.131	ug/l	96
3) Chloromethane	2.21	50	81422	22.640	ug/l	99
4) Vinyl Chloride	2.35	62	93670	21.362	ug/l	97
5) Bromomethane	2.76	94	67472	21.163	ug/l	97
6) Chloroethane	2.92	64	63390	21.575	ug/l	97
7) Trichlorofluoromethane	3.27	101	152731	20.686	ug/l	99
8) Diethyl Ether	3.71	74	33243	22.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	63185	20.664	ug/l	97
10) Methyl Iodide	4.29	142	62505	19.031	ug/l	99
11) Tert butyl alcohol	5.25	59	19709	117.866	ug/l	95
12) 1,1-Dichloroethene	4.06	96	61503	21.127	ug/l	93
13) Acrolein	3.92	56	19371	83.123	ug/l	99
14) Allyl chloride	4.71	41	99553	21.934	ug/l	98
15) Acrylonitrile	5.43	53	69795	114.287	ug/l	98
16) Acetone	4.17	43	68178	106.106	ug/l	100
17) Carbon Disulfide	4.40	76	195916	20.814	ug/l	100
18) Methyl Acetate	4.73	43	36363	22.137	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	141884	21.943	ug/l	98
20) Methylene Chloride	4.96	84	76697	23.070	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	72683	21.924	ug/l	97
22) Diisopropyl ether	6.37	45	201951	22.308	ug/l	95
23) Vinyl Acetate	6.31	43	558853	108.824	ug/l	99
24) 1,1-Dichloroethane	6.27	63	123553	22.734	ug/l	96
25) 2-Butanone	7.23	43	88601	110.474	ug/l	94
26) 2,2-Dichloropropane	7.21	77	111885	22.142	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	78252	21.871	ug/l	96
28) Bromochloromethane	7.55	49	44920	21.262	ug/l	99
29) Tetrahydrofuran	7.57	42	53853	107.976	ug/l	99
30) Chloroform	7.71	83	131632	23.085	ug/l	95
31) Cyclohexane	7.98	56	110245	20.265	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	120437	22.488	ug/l	99
36) 1,1-Dichloropropene	8.11	75	97934	20.755	ug/l	99
37) Ethyl Acetate	7.30	43	39735	21.435	ug/l	98
38) Carbon Tetrachloride	8.10	117	106524	21.172	ug/l	96

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 Operator : VA/SY
 Sample : VD0107SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:36:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	113222	19.811	ug/l	94
40) Benzene	8.35	78	280845	21.803	ug/l	99
41) Methacrylonitrile	7.53	41	27388	25.465	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	84712	22.757	ug/l	98
43) Isopropyl Acetate	8.46	43	77057	20.885	ug/l	98
44) Trichloroethene	9.11	130	79795	21.087	ug/l	93
45) 1,2-Dichloropropane	9.39	63	68699	22.337	ug/l	99
46) Dibromomethane	9.48	93	36126	21.068	ug/l	93
47) Bromodichloromethane	9.67	83	101339	22.209	ug/l	100
48) Methyl methacrylate	9.46	41	35209	20.267	ug/l #	87
49) 1,4-Dioxane	9.47	88	8581	433.994	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	193192	105.933	ug/l	100
52) Toluene	10.41	92	180904	21.406	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	93793	22.048	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	111090	22.147	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	50872	22.014	ug/l	94
56) Ethyl methacrylate	10.67	69	61312	21.244	ug/l	96
57) 1,3-Dichloropropane	10.95	76	88122	22.147	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	120260	109.372	ug/l	97
59) 2-Hexanone	10.99	43	136438	110.226	ug/l	98
60) Dibromochloromethane	11.14	129	70368	22.020	ug/l	99
61) 1,2-Dibromoethane	11.25	107	50142	21.999	ug/l	99
64) Tetrachloroethene	10.87	164	71391	21.802	ug/l	89
65) Chlorobenzene	11.67	112	196561	22.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	73289	21.945	ug/l	99
67) Ethyl Benzene	11.75	91	344905	21.450	ug/l	100
68) m/p-Xylenes	11.86	106	265224	42.735	ug/l	98
69) o-Xylene	12.18	106	120361	21.471	ug/l	99
70) Styrene	12.20	104	211575	21.502	ug/l	99
71) Bromoform	12.37	173	42126	22.119	ug/l #	97
73) Isopropylbenzene	12.48	105	325570	21.178	ug/l	98
74) N-amyl acetate	12.30	43	70473	21.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	50993	21.115	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	72008	42.388	ug/l #	100
77) Bromobenzene	12.77	156	82918	21.951	ug/l	99
78) n-propylbenzene	12.83	91	386798	21.567	ug/l	98
79) 2-Chlorotoluene	12.91	91	208016	21.113	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	269816	21.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16709	20.572	ug/l	93
82) 4-Chlorotoluene	13.01	91	221000	21.078	ug/l	99
83) tert-Butylbenzene	13.23	119	226521	20.659	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	273342	21.733	ug/l	99
85) sec-Butylbenzene	13.41	105	316576	21.060	ug/l	99
86) p-Isopropyltoluene	13.53	119	295262	20.542	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155007	21.525	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	151162	21.368	ug/l	97
89) n-Butylbenzene	13.86	91	271597	20.983	ug/l	97
90) Hexachloroethane	14.12	117	60480	22.028	ug/l	91
91) 1,2-Dichlorobenzene	13.90	146	133010	21.661	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8374	21.389	ug/l	92

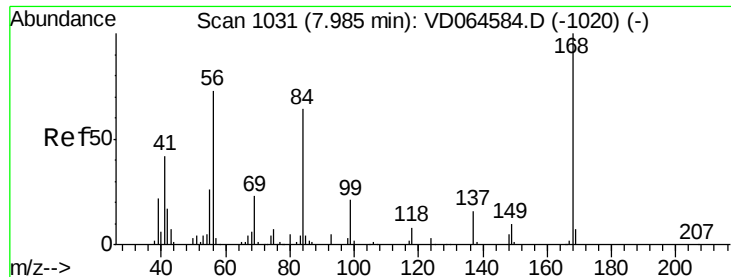
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
Data File : VD064790.D
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Instrument :
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Quant Time: Jan 08 07:36:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	92945	20.557	ug/l	99
94) Hexachlorobutadiene	15.28	225	56594	19.892	ug/l	97
95) Naphthalene	15.41	128	138490	19.362	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	80505	20.857	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

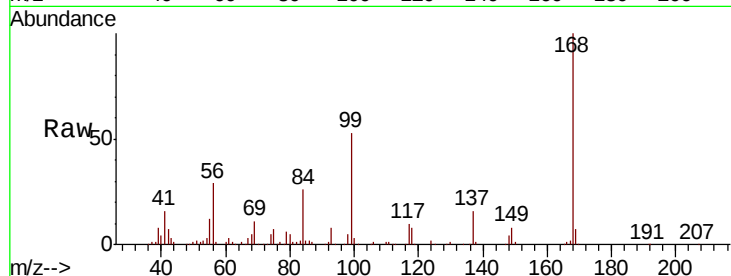
ClientSampleId :

Tot Ion:168 Resp: 330885

Ion Ratio Lower Upper

168 100

99 53.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

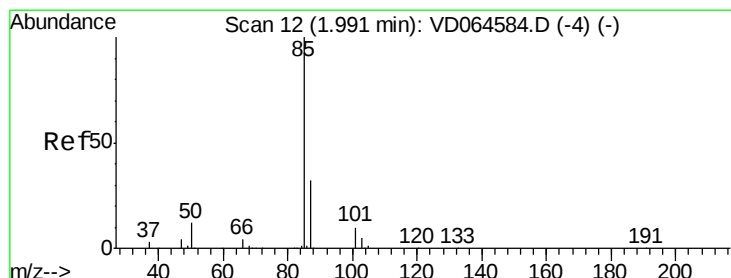
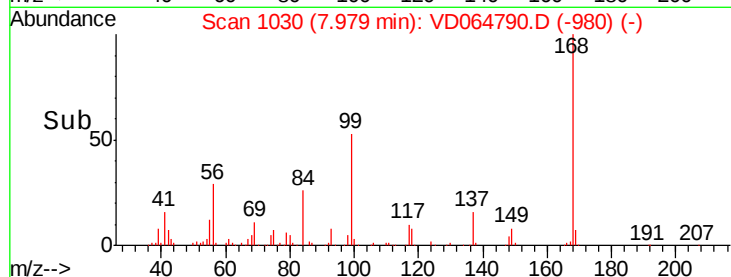
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.131 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064790.D

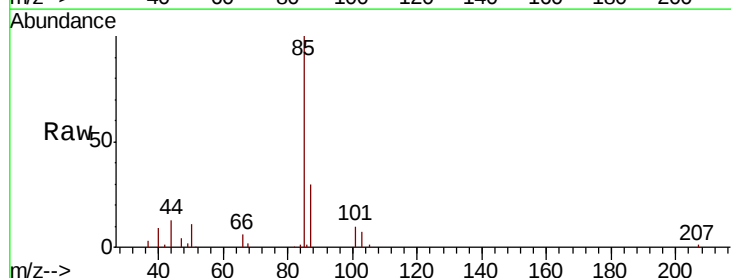
Acq: 07 Jan 2020 13:47

Tgt Ion: 85 Resp: 51765

Ion Ratio Lower Upper

85 100

87 29.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

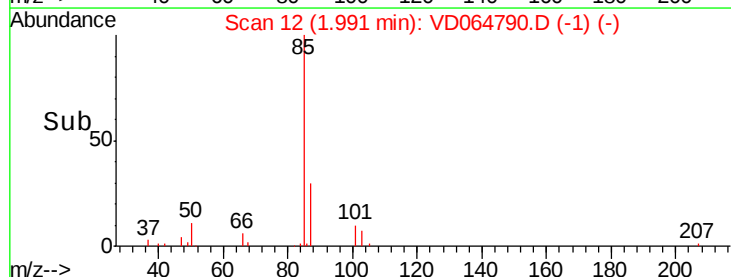
20000

10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.640 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

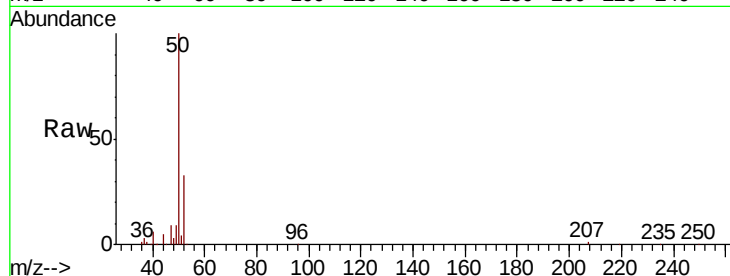
ClientSampleId :

Tot Ion: 50 Resp: 81422

Ion Ratio Lower Upper

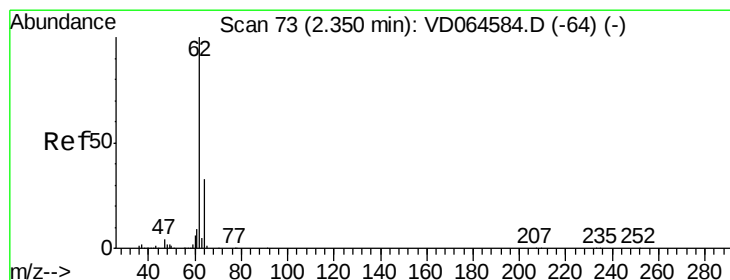
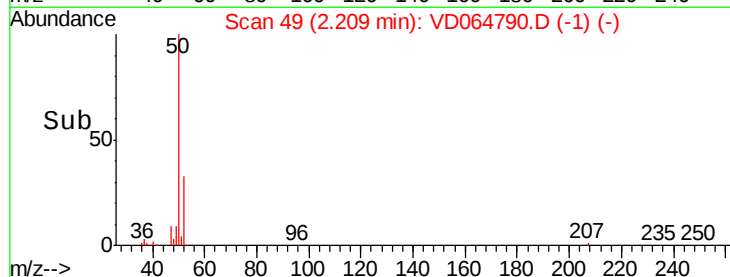
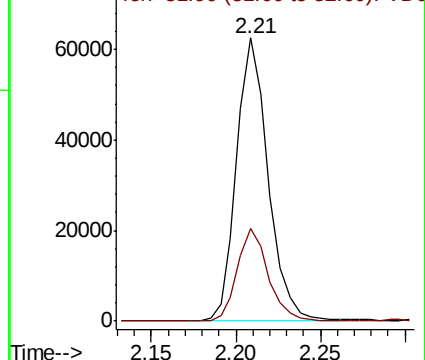
50 100

52 32.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.362 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064790.D

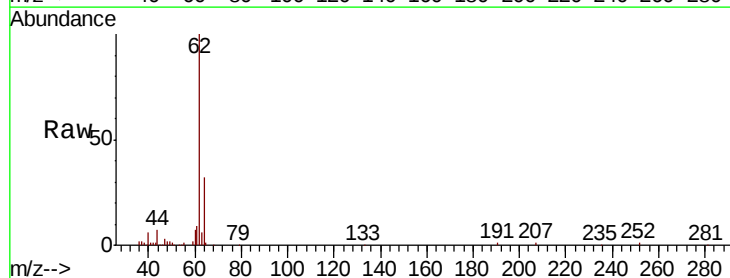
Acq: 07 Jan 2020 13:47

Tgt Ion: 62 Resp: 93670

Ion Ratio Lower Upper

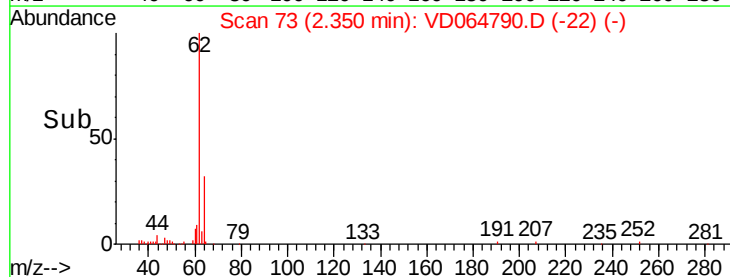
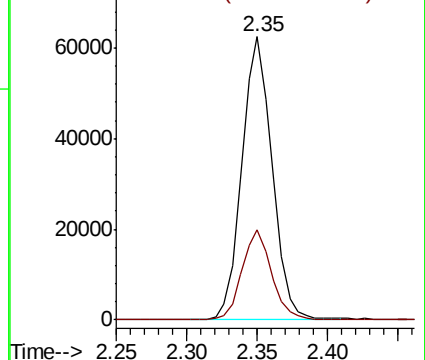
62 100

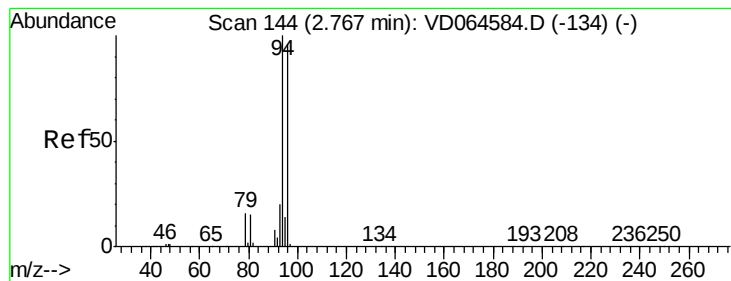
64 31.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.163 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

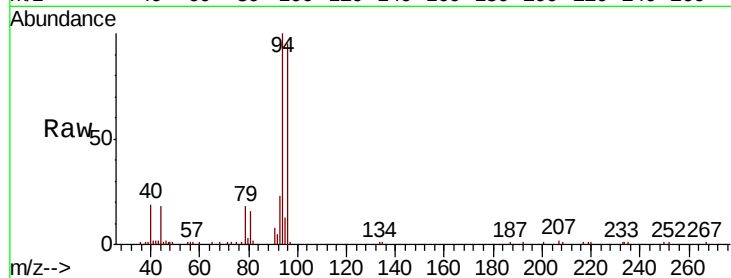
ClientSampleId :

Tot Ion: 94 Resp: 67472

Ion Ratio Lower Upper

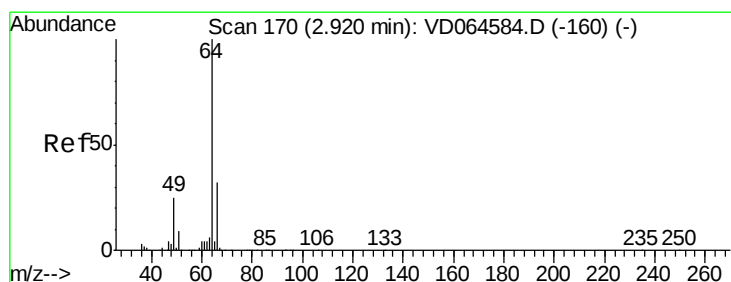
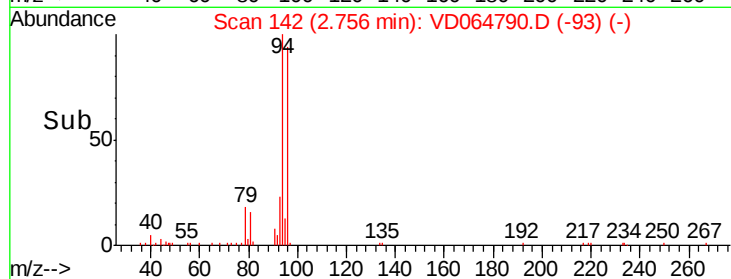
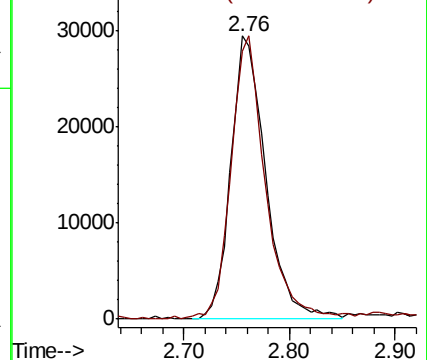
94 100

96 93.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.575 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064790.D

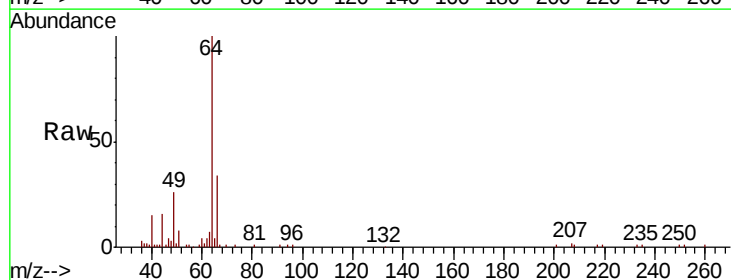
Acq: 07 Jan 2020 13:47

Tgt Ion: 64 Resp: 63390

Ion Ratio Lower Upper

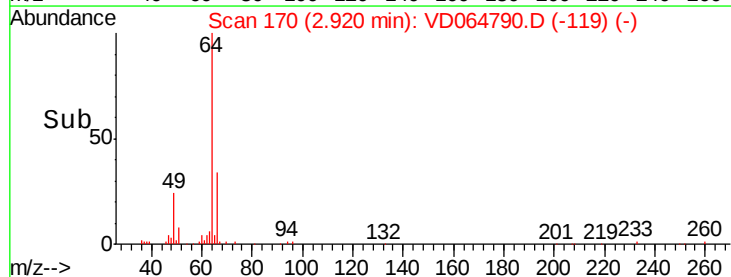
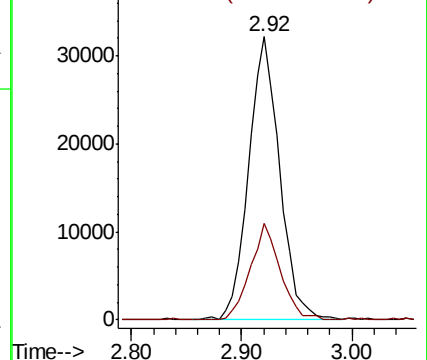
64 100

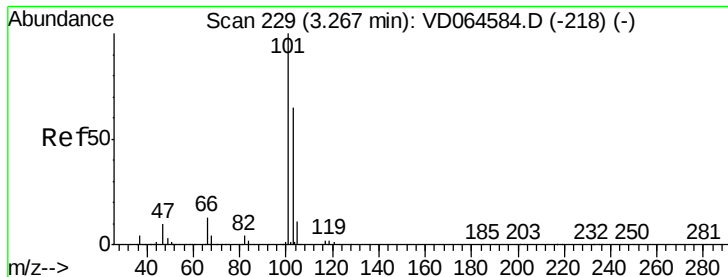
66 34.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



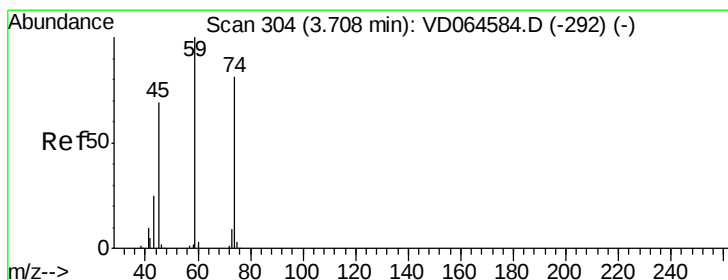
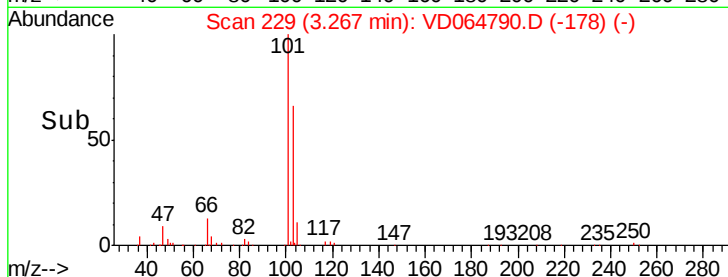
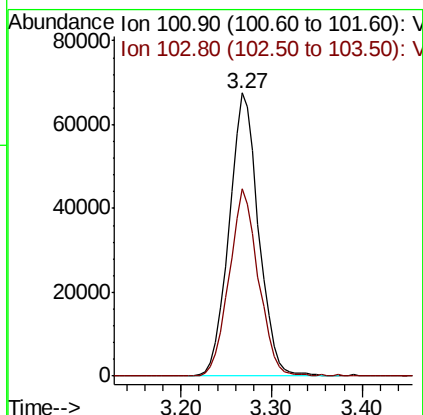
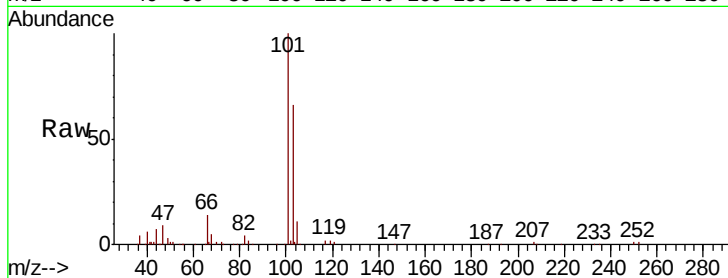


#7

Trichlorofluoromethane
 Concen: 20.686 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :

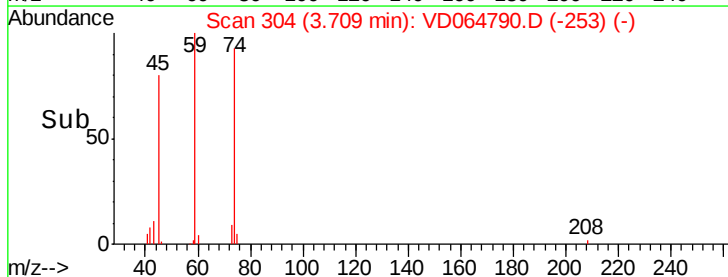
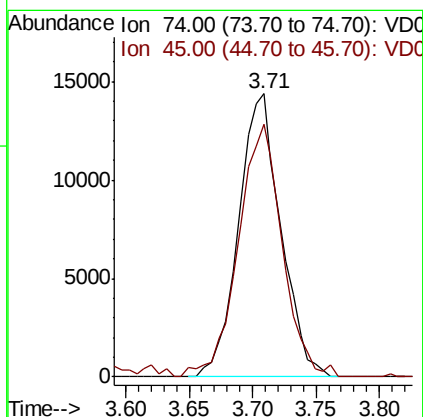
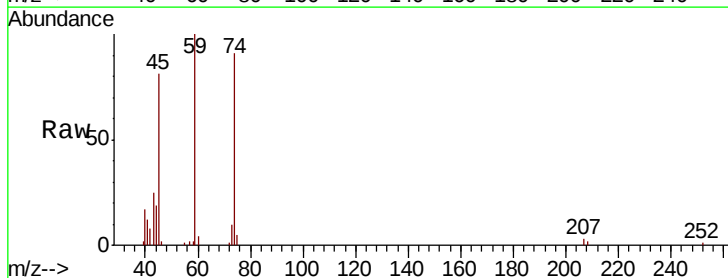
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.2	78.4



#8

Diethyl Ether
 Concen: 22.674 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.664 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampled :

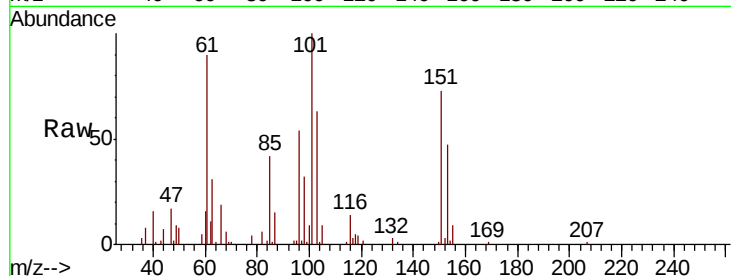
Tot Ion:101 Resp: 63185

Ion Ratio Lower Upper

101 100

85 47.4 35.2 52.8

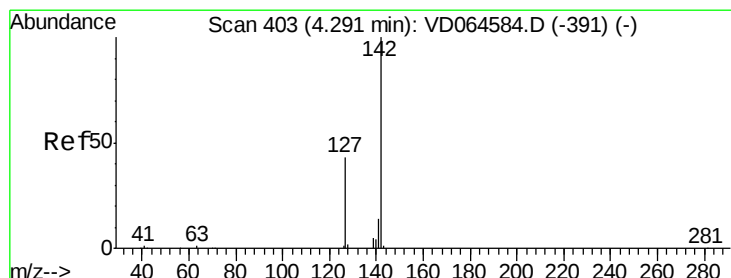
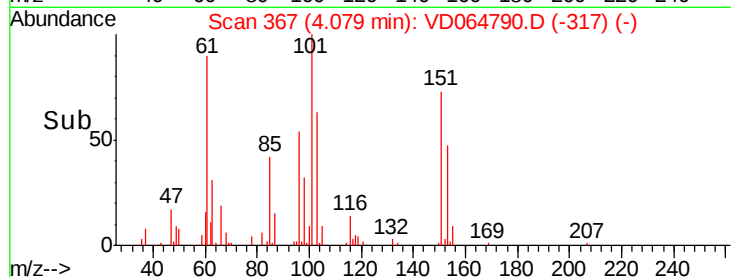
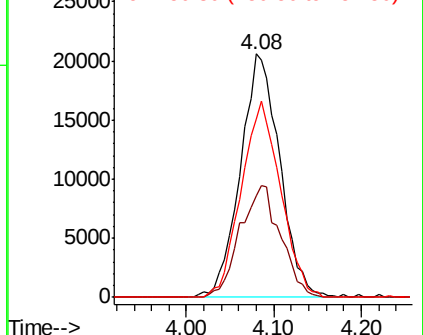
151 80.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.031 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

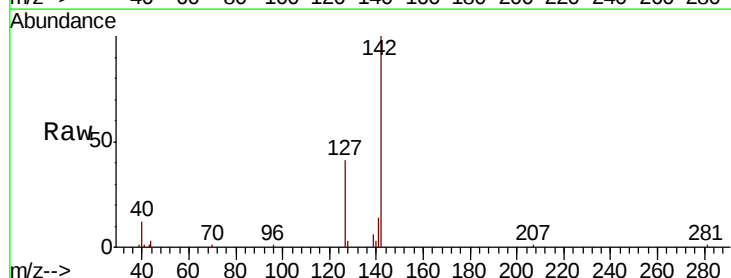
Tgt Ion:142 Resp: 62505

Ion Ratio Lower Upper

142 100

127 46.2 36.2 54.4

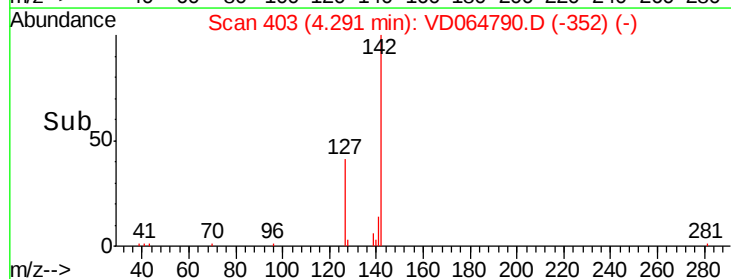
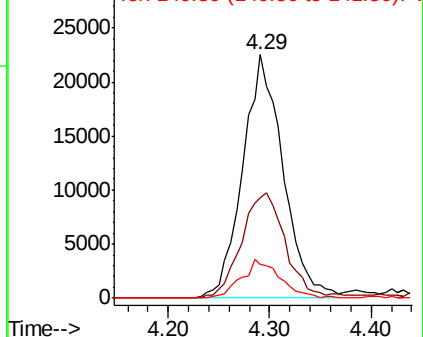
141 15.1 11.8 17.8

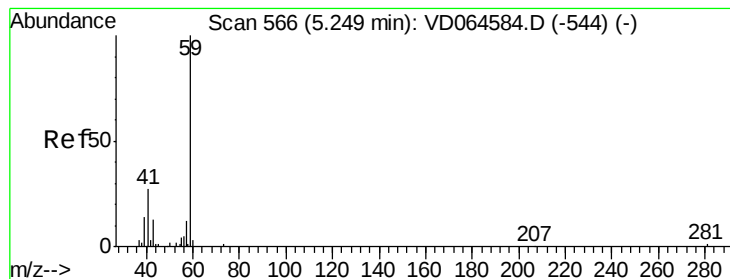


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



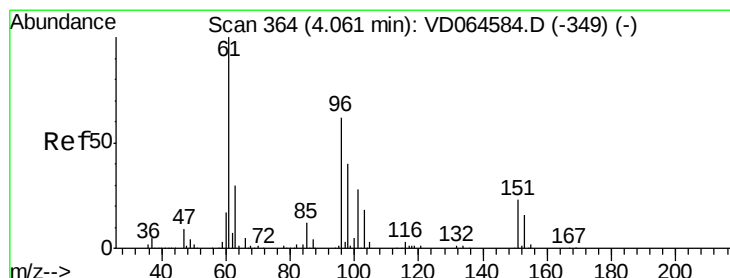
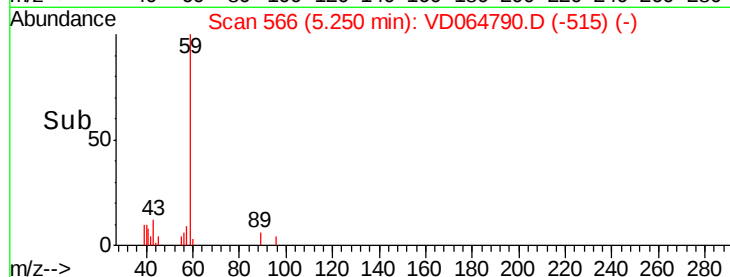
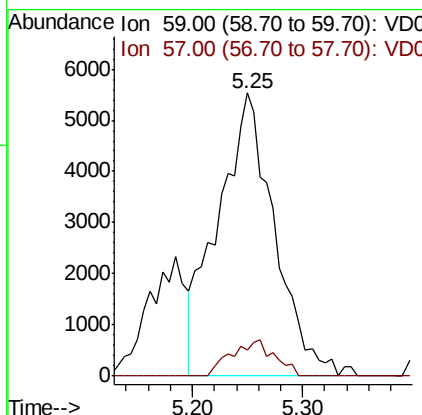
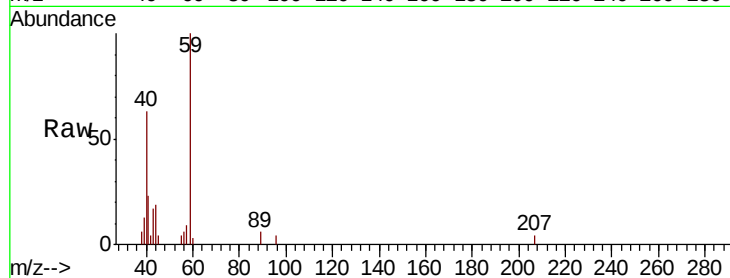


#11

Tert butyl alcohol
 Concen: 117.866 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :

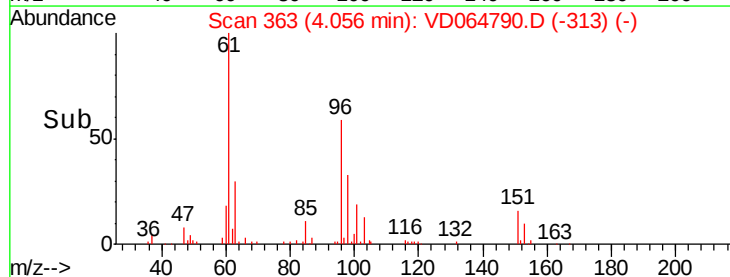
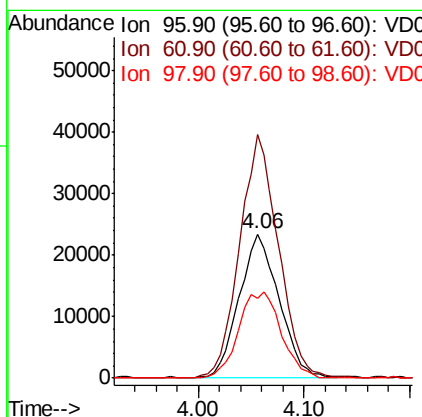
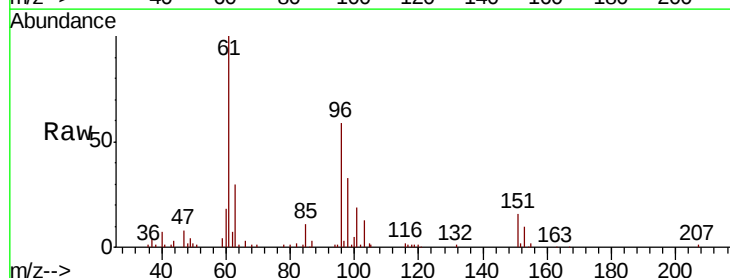
Tot Ion: 59 Resp: 19709
 Ion Ratio Lower Upper
 59 100
 57 9.8 9.3 13.9

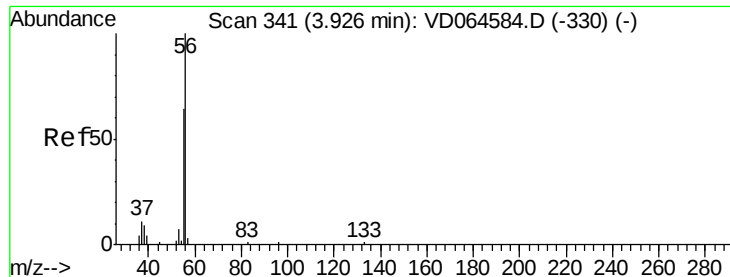


#12

1,1-Dichloroethene
 Concen: 21.127 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 96 Resp: 61503
 Ion Ratio Lower Upper
 96 100
 61 168.9 129.4 194.0
 98 55.5 51.4 77.0





#13

Acrolein

Concen: 83.123 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

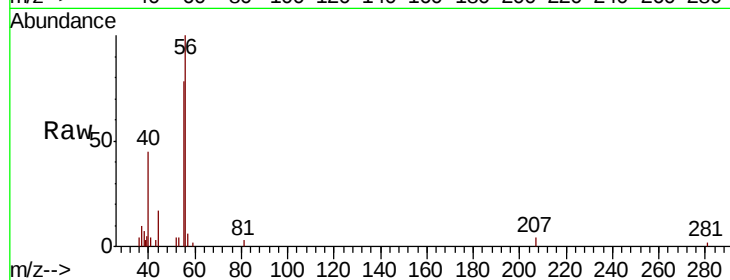
ClientSampleId :

Tot Ion: 56 Resp: 19371

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

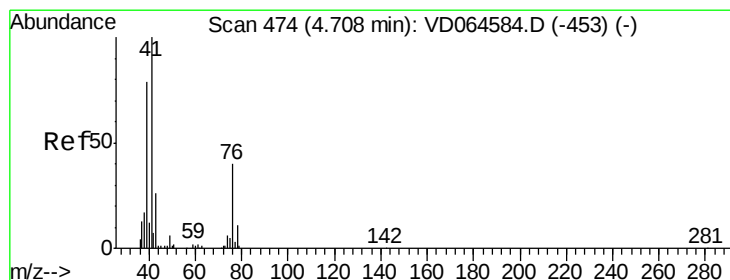
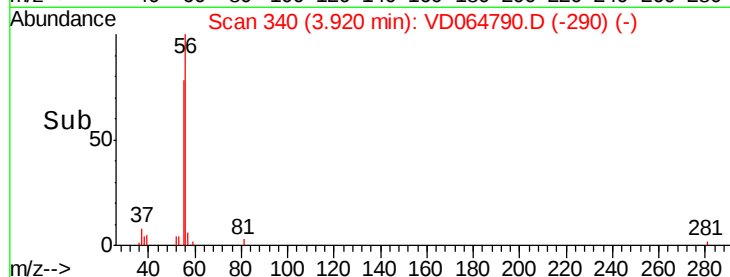
4000

2000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 21.934 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

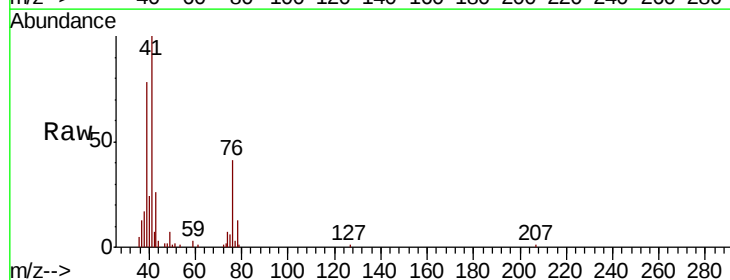
Tgt Ion: 41 Resp: 99553

Ion Ratio Lower Upper

41 100

39 79.7 62.3 93.5

76 39.0 29.7 44.5



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

40000

30000

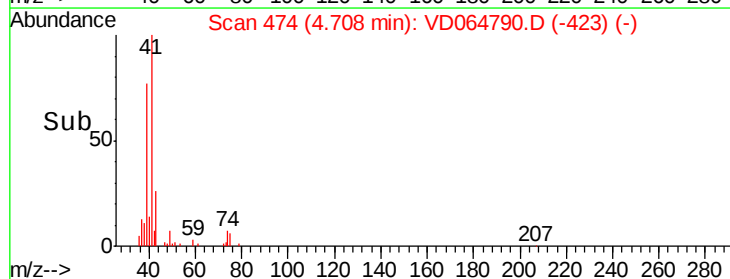
20000

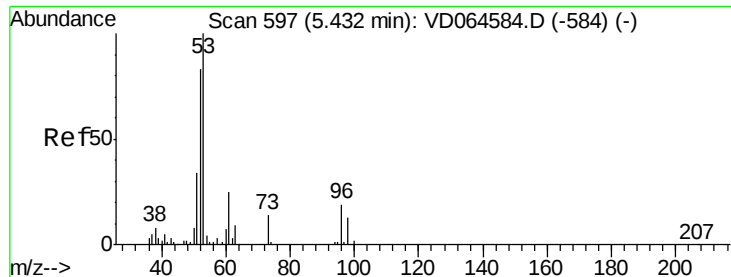
10000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 114.287 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

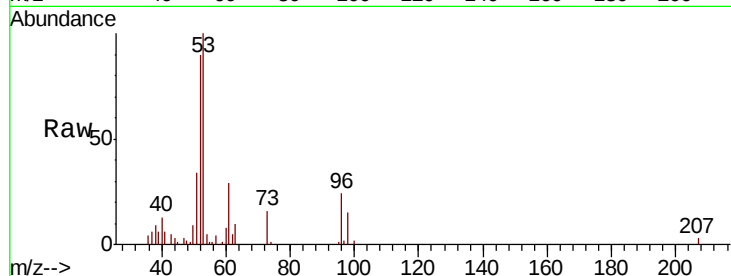
Tot Ion: 53 Resp: 69795

Ion Ratio Lower Upper

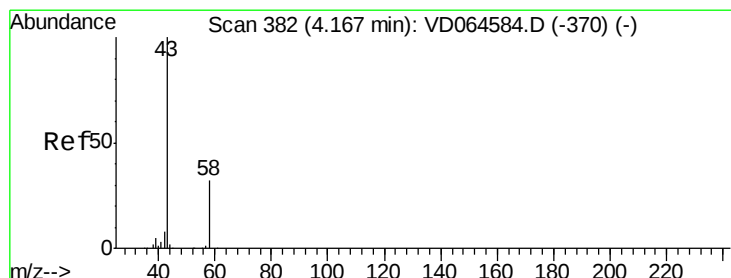
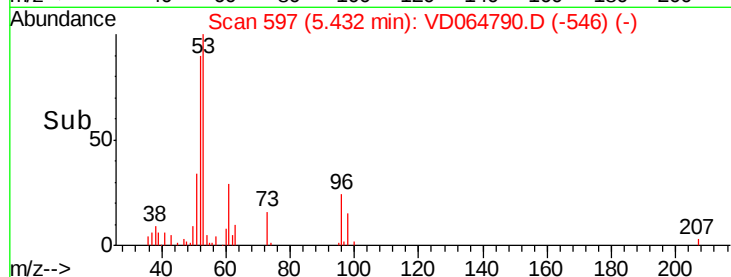
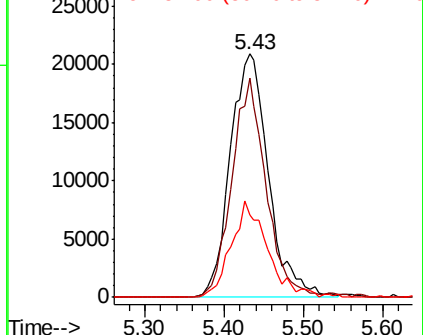
53 100

52 80.2 66.2 99.2

51 37.1 30.1 45.1



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



#16

Acetone

Concen: 106.106 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064790.D

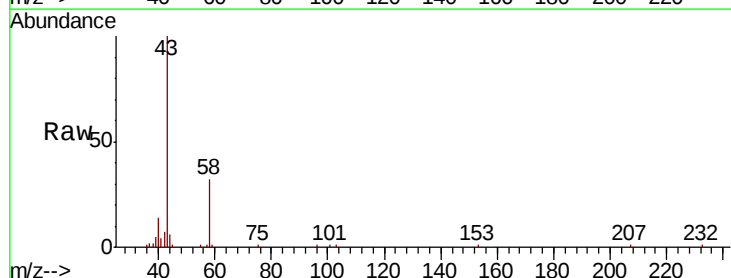
Acq: 07 Jan 2020 13:47

Tgt Ion: 43 Resp: 68178

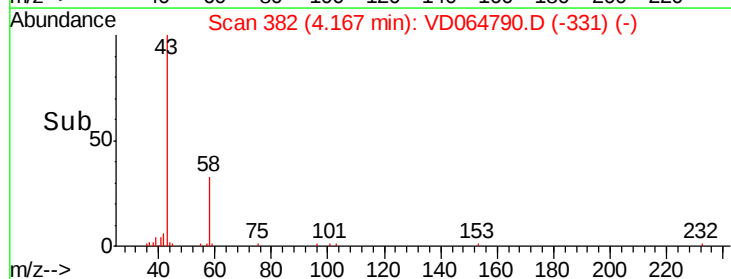
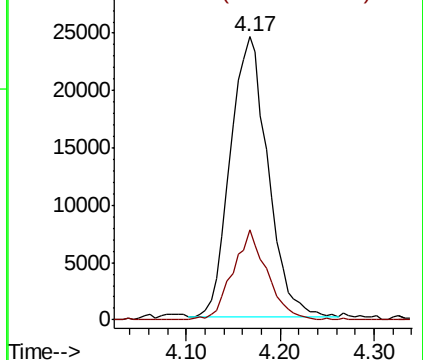
Ion Ratio Lower Upper

43 100

58 32.4 25.8 38.6



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

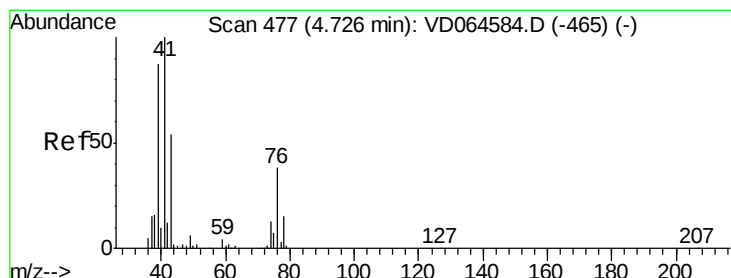
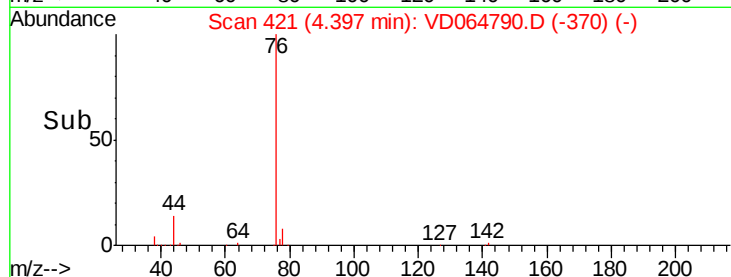
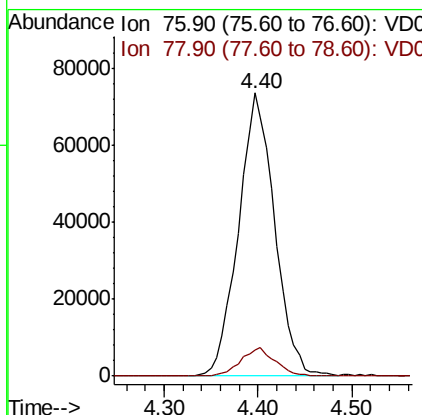
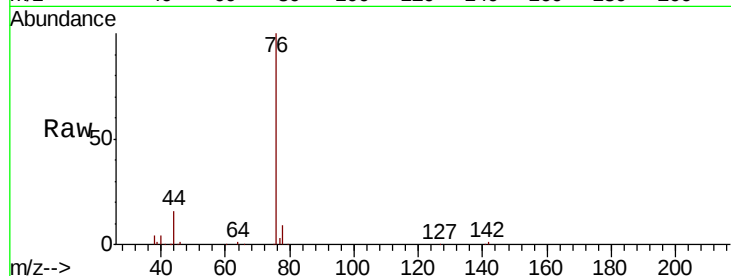




#17
Carbon Disulfide
Concen: 20.814 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

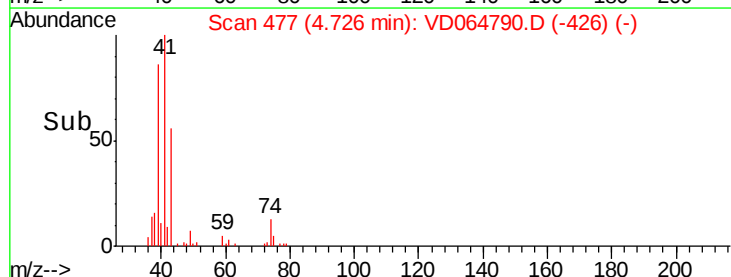
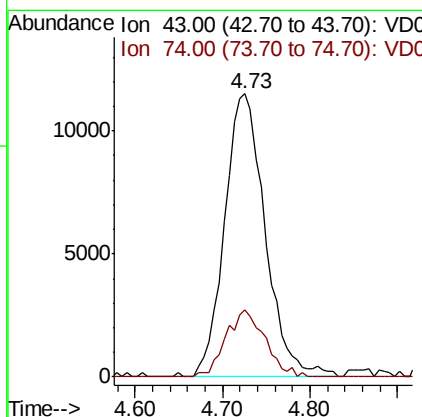
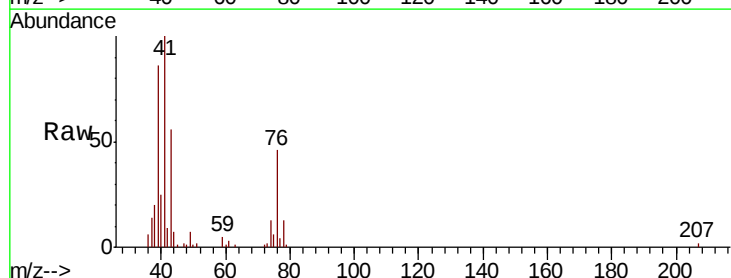
Instrument :
MSVOA_D
ClientSampled :

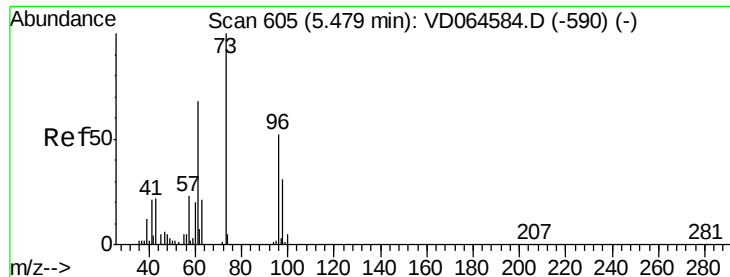
Tot Ion: 76 Resp: 195916
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 22.137 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 43 Resp: 36363
Ion Ratio Lower Upper
43 100
74 23.0 19.2 28.8



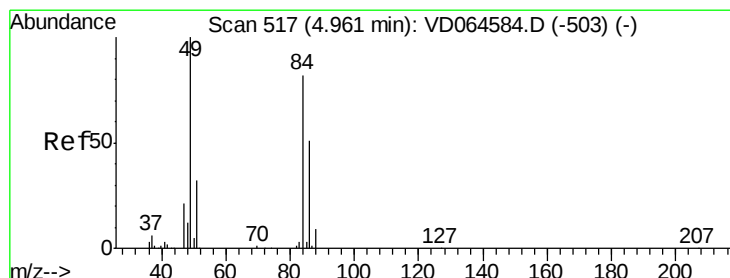
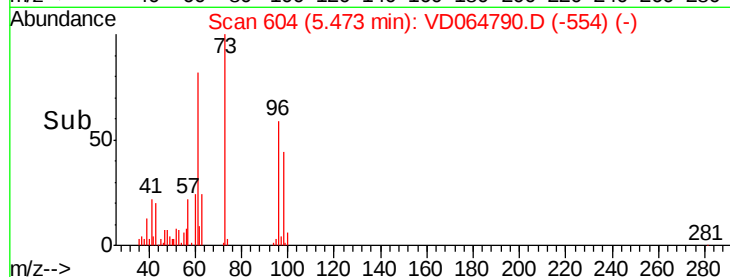
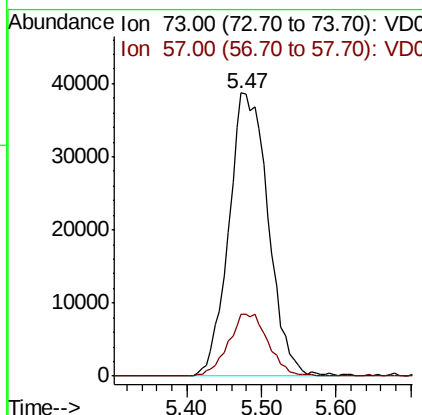
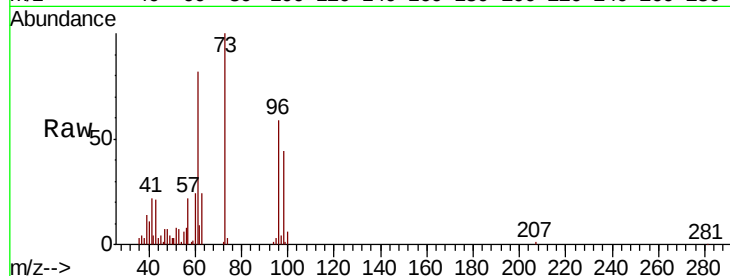


#19

Methyl tert-butyl Ether
 Concen: 21.943 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :

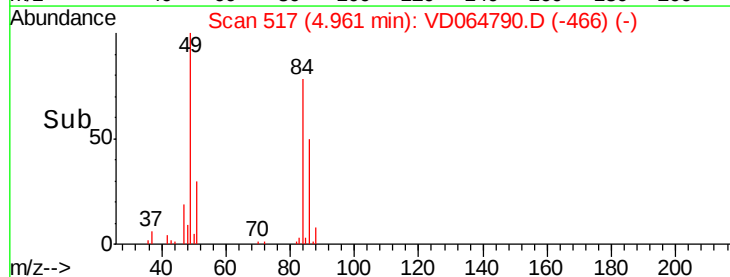
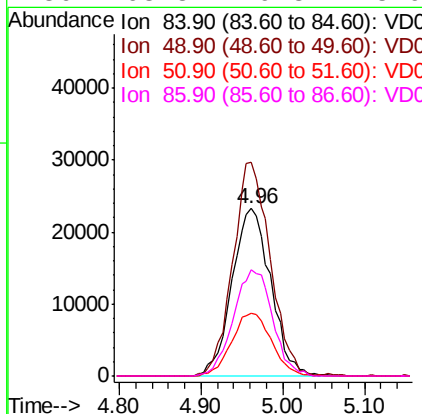
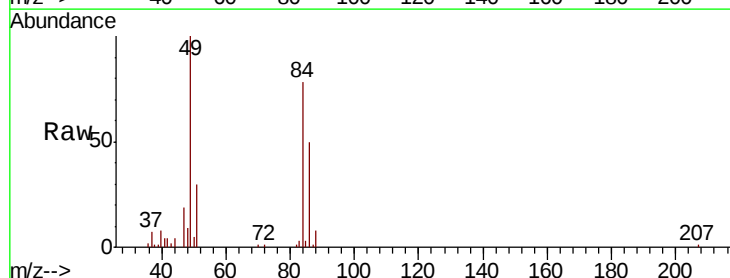
Tot Ion: 73 Resp: 141884
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.6 27.8

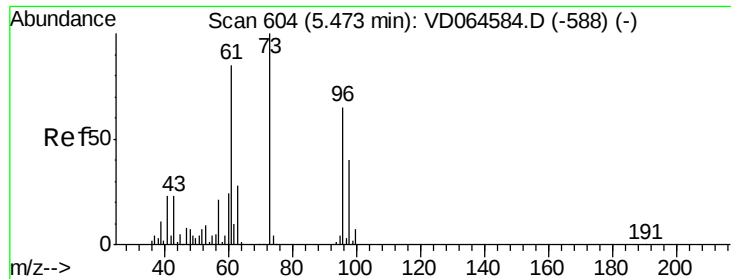


#20

Methylene Chloride
 Concen: 23.070 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 84 Resp: 76697
 Ion Ratio Lower Upper
 84 100
 49 127.6 97.2 145.8
 51 37.7 31.4 47.0
 86 63.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.924 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

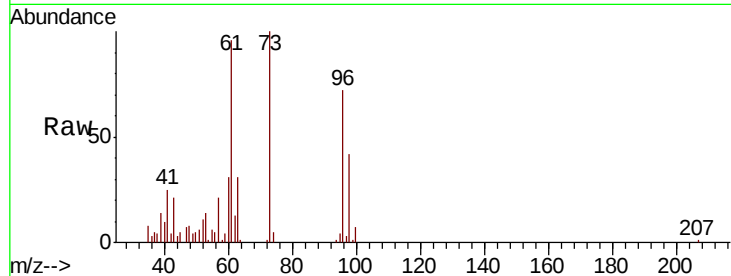
Tot Ion: 96 Resp: 72683

Ion Ratio Lower Upper

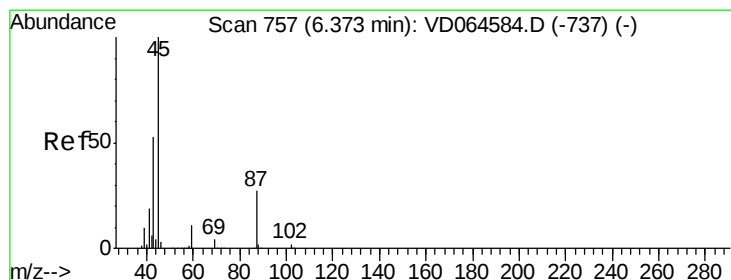
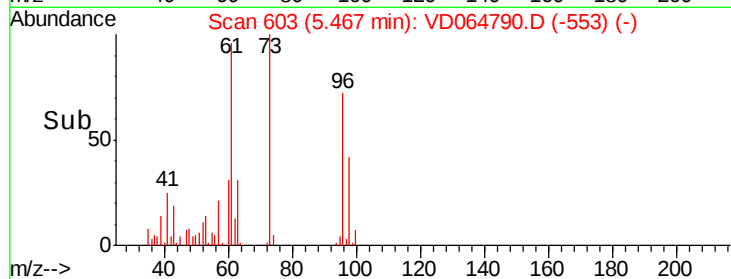
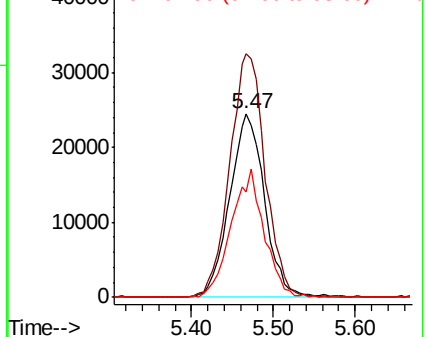
96 100

61 132.3 104.7 157.1

98 57.6 49.4 74.2



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



#22

Diisopropyl ether

Concen: 22.308 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion: 45 Resp: 201951

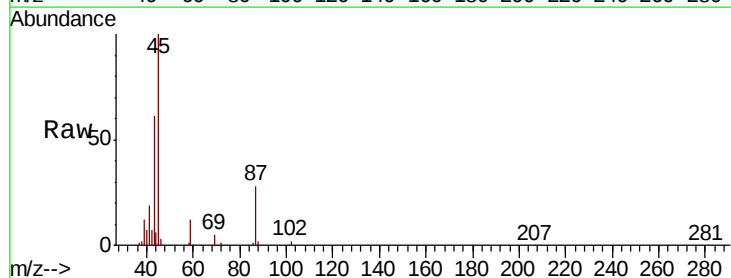
Ion Ratio Lower Upper

45 100

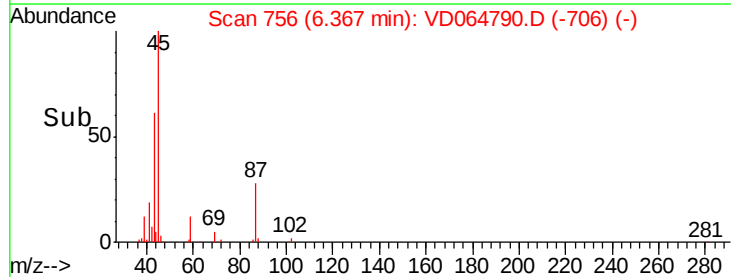
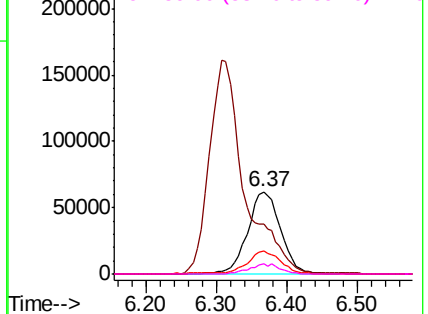
43 59.9 43.2 64.8

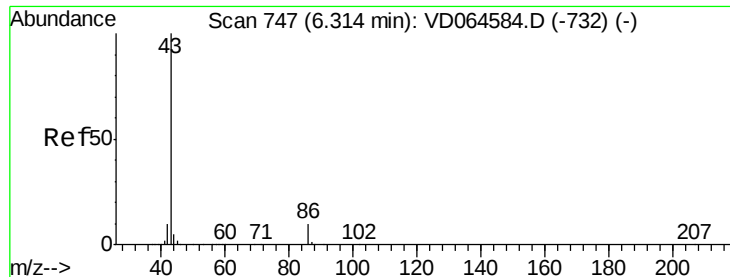
87 27.9 21.9 32.9

59 11.7 9.0 13.4



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





#23

Vinyl Acetate

Concen: 108.824 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

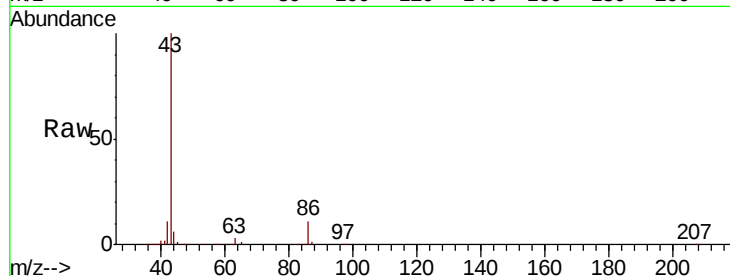
ClientSampleId :

Tot Ion: 43 Resp: 558853

Ion Ratio Lower Upper

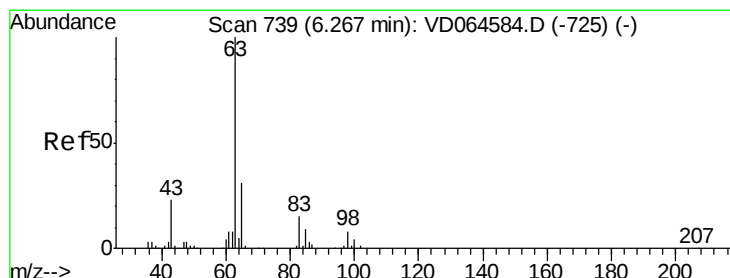
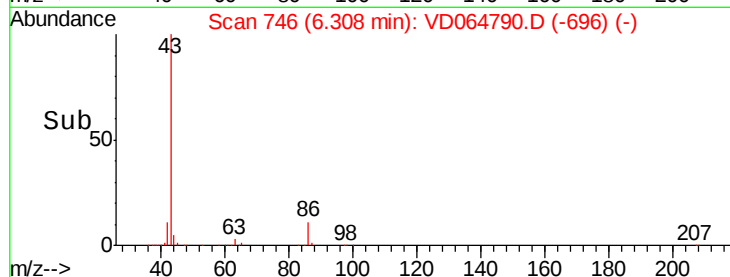
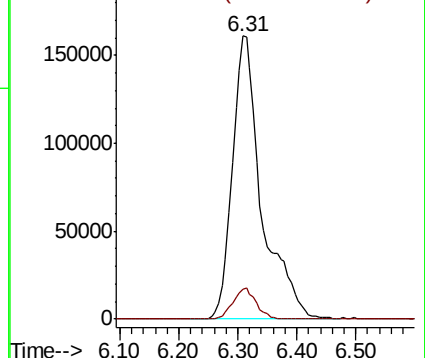
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.734 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

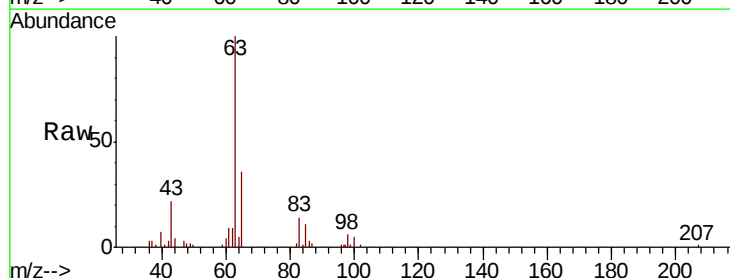
Tgt Ion: 63 Resp: 123553

Ion Ratio Lower Upper

63 100

98 6.2 4.1 12.3

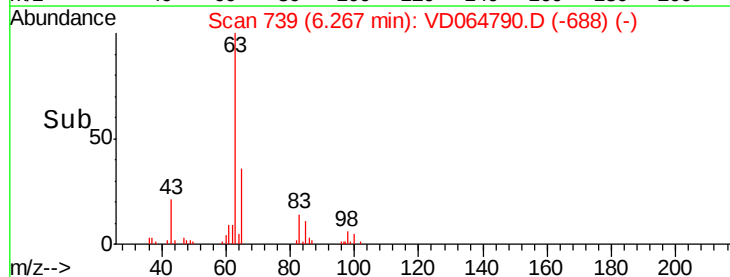
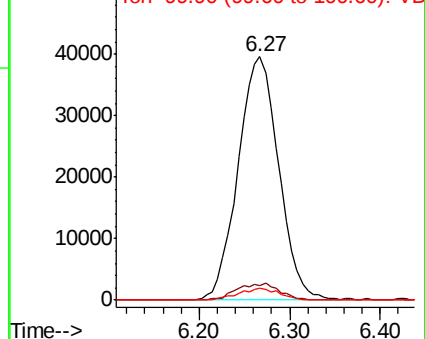
100 4.8 2.2 6.6

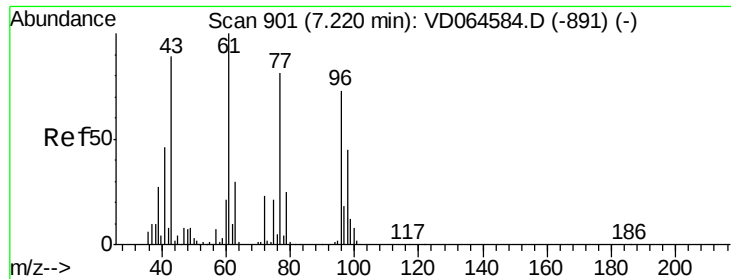


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

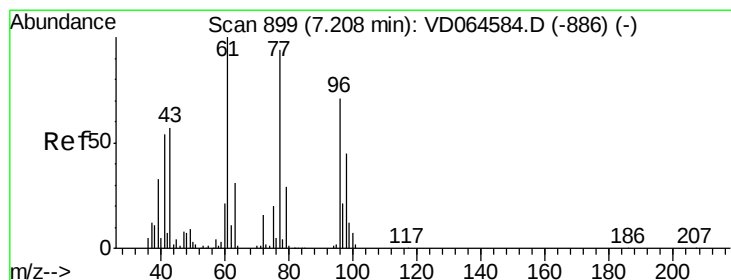
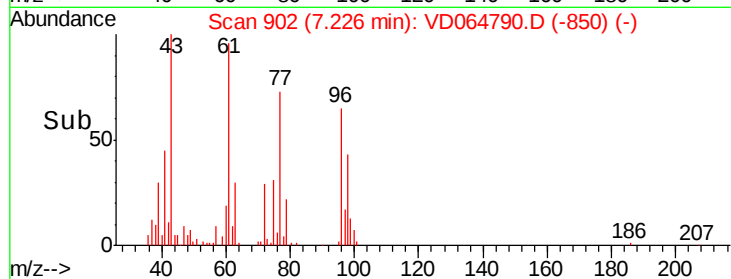
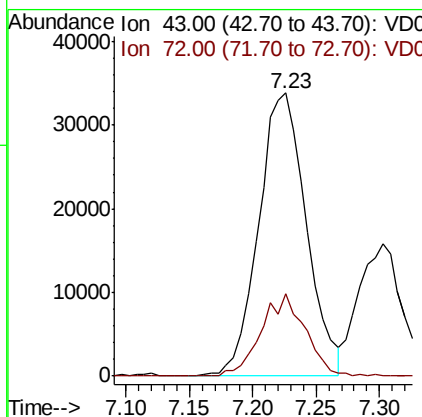
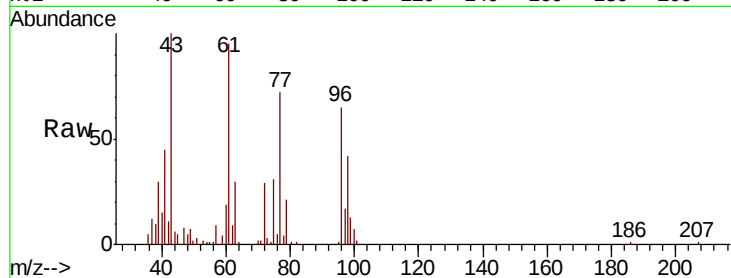




#25
2-Butanone
Concen: 110.474 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

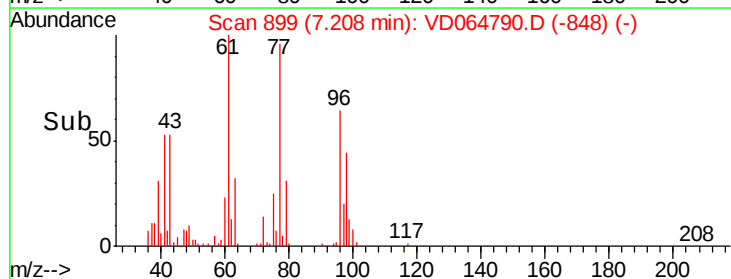
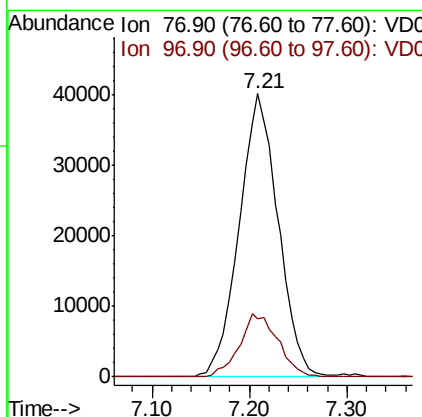
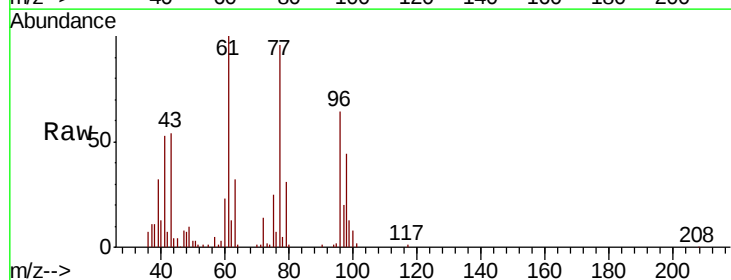
Instrument :
MSVOA_D
ClientSampled :

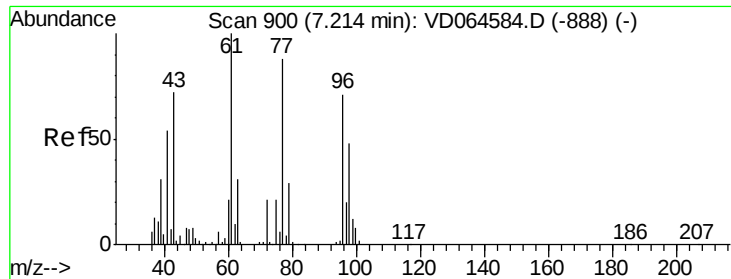
Tot Ion: 43 Resp: 88601
Ion Ratio Lower Upper
43 100
72 29.1 20.7 31.1



#26
2,2-Dichloropropane
Concen: 22.142 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 77 Resp: 111885
Ion Ratio Lower Upper
77 100
97 22.0 11.2 33.6

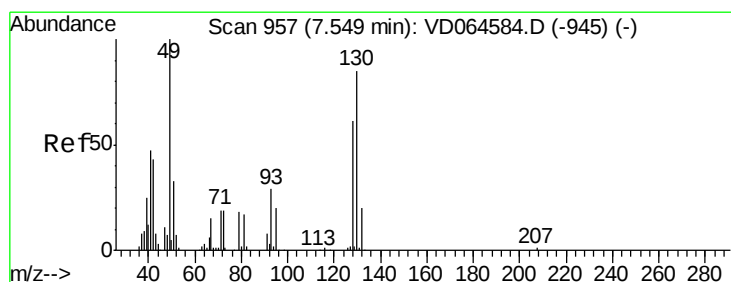
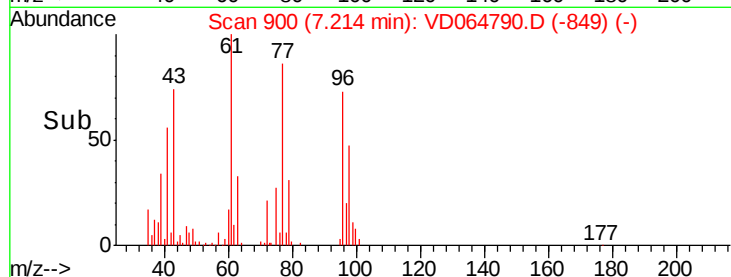
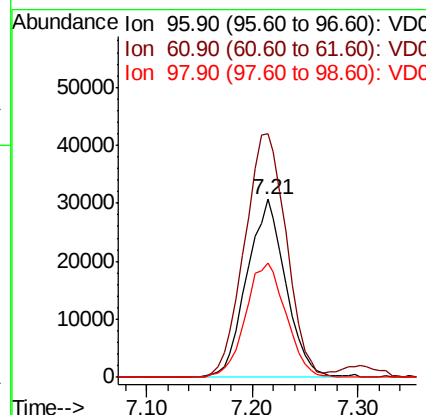
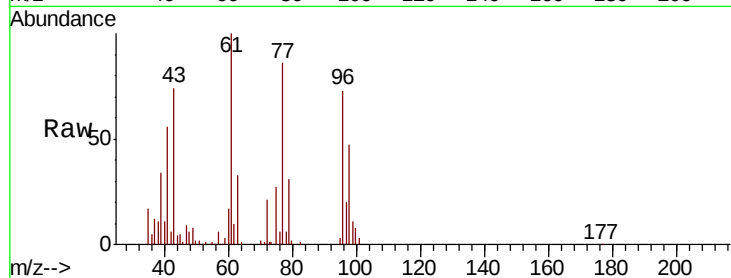




#27
 cis-1,2-Dichloroethene
 Concen: 21.871 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

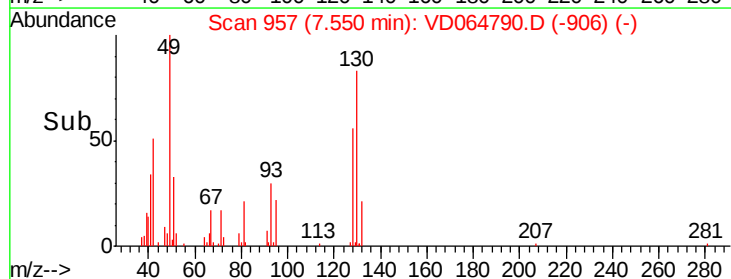
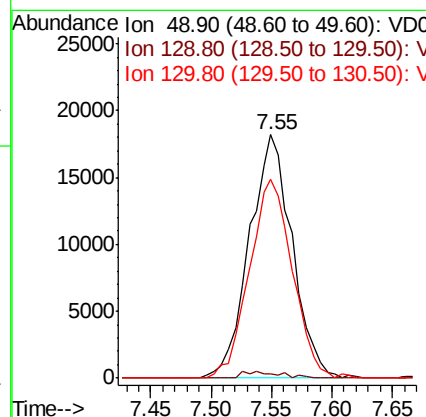
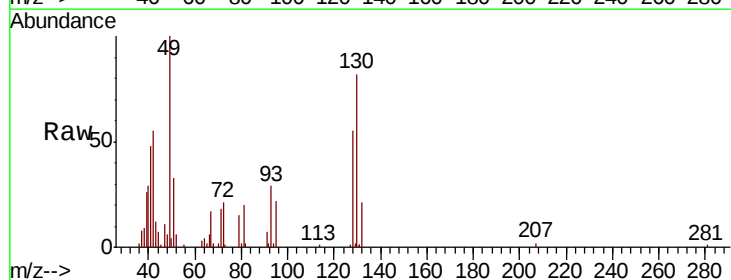
Instrument :
 MSVOA_D
 ClientSampled :

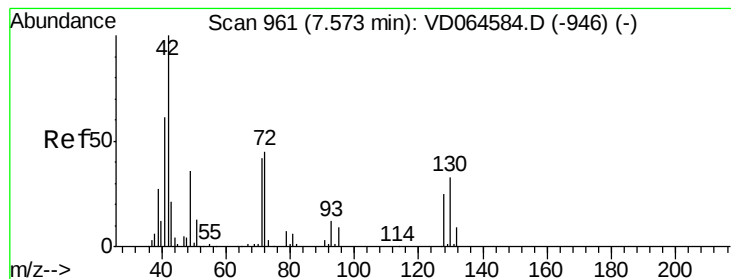
Tot Ion: 96 Resp: 78252
 Ion Ratio Lower Upper
 96 100
 61 147.5 0.0 282.6
 98 66.7 0.0 130.8



#28
 Bromochloromethane
 Concen: 21.262 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 49 Resp: 44920
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 82.2 65.0 97.6





#29

Tetrahydrofuran

Concen: 107.976 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

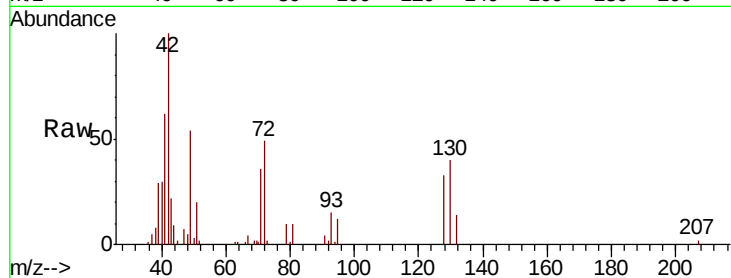
Tot Ion: 42 Resp: 53853

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

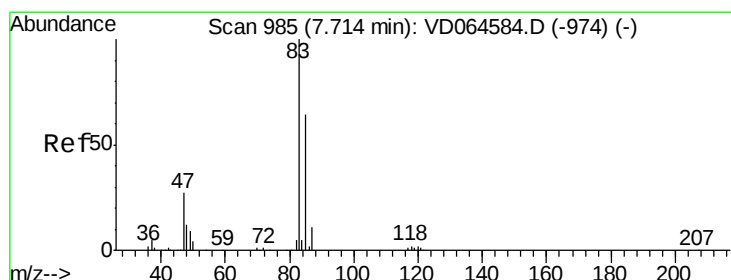
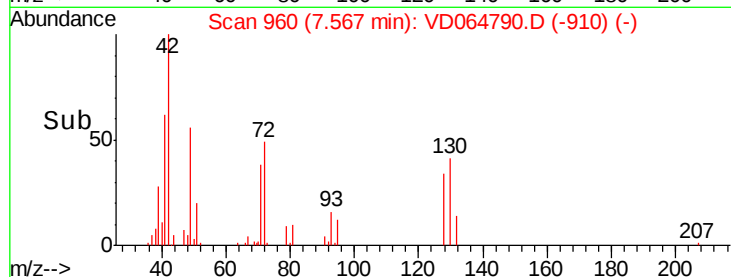
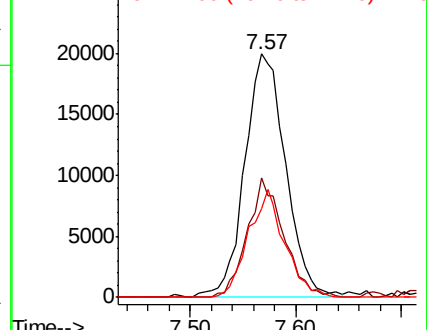
71 39.3 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 23.085 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064790.D

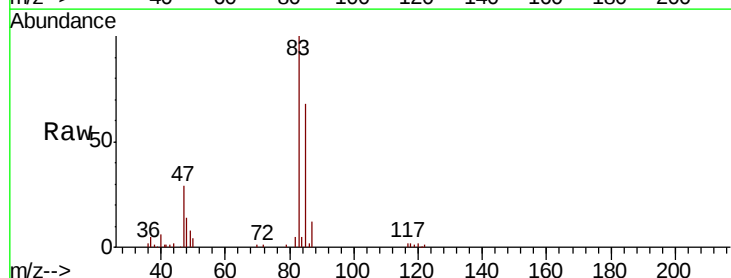
Acq: 07 Jan 2020 13:47

Tgt Ion: 83 Resp: 131632

Ion Ratio Lower Upper

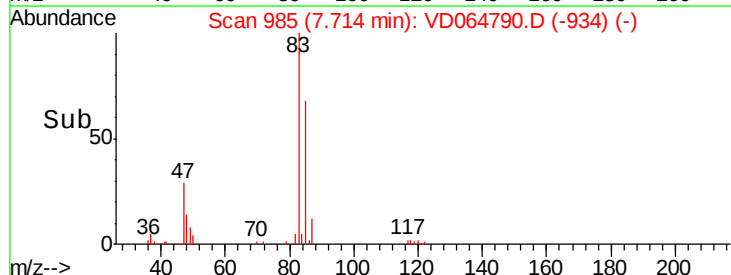
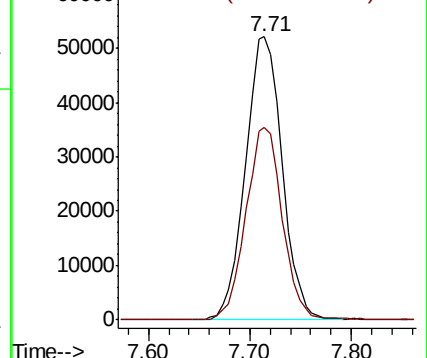
83 100

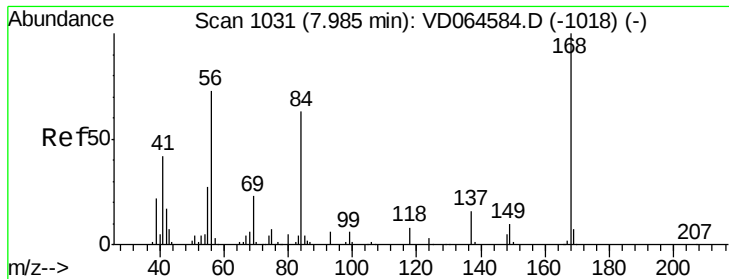
85 68.2 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.265 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampled :

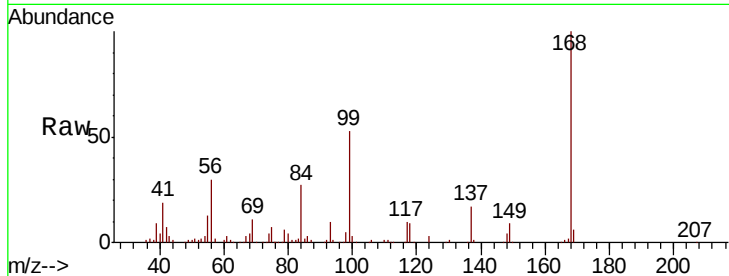
Tot Ion: 56 Resp: 110245

Ion Ratio Lower Upper

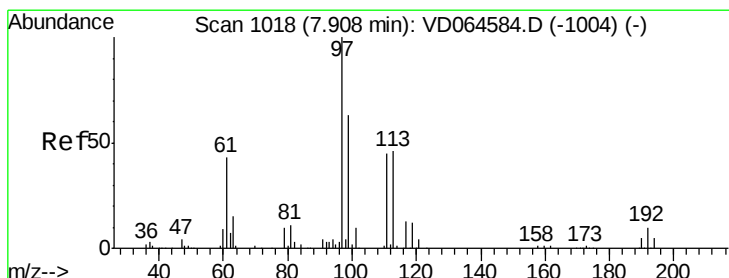
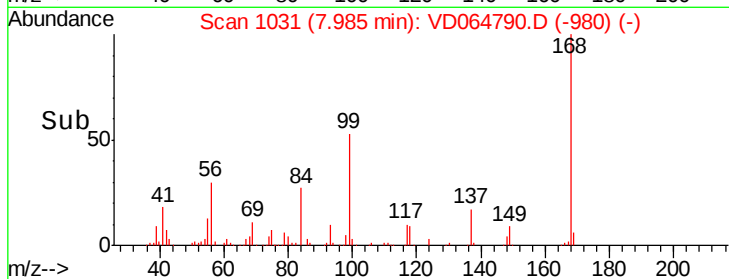
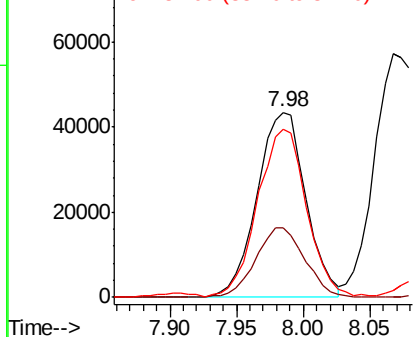
56 100

69 37.3 24.7 37.1#

84 89.4 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 22.488 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

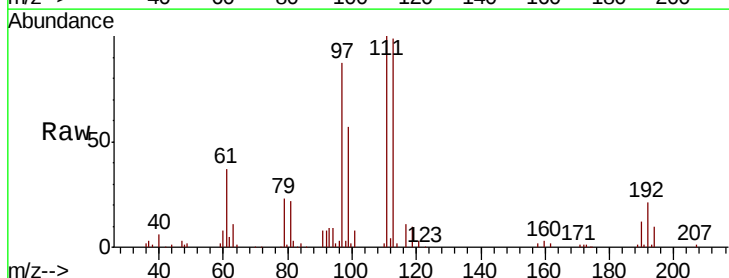
Tgt Ion: 97 Resp: 120437

Ion Ratio Lower Upper

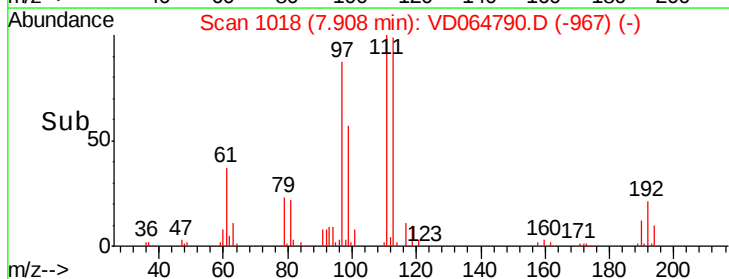
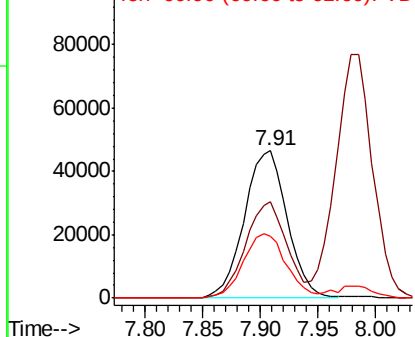
97 100

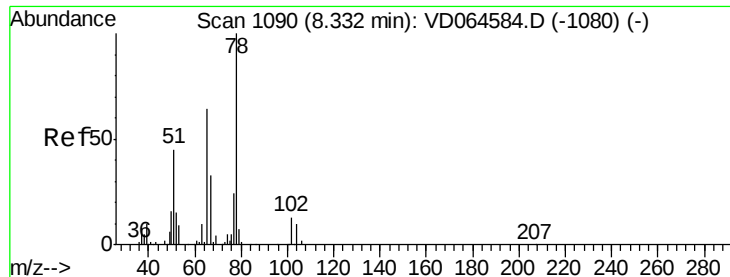
99 62.6 51.0 76.6

61 43.8 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 52.247 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

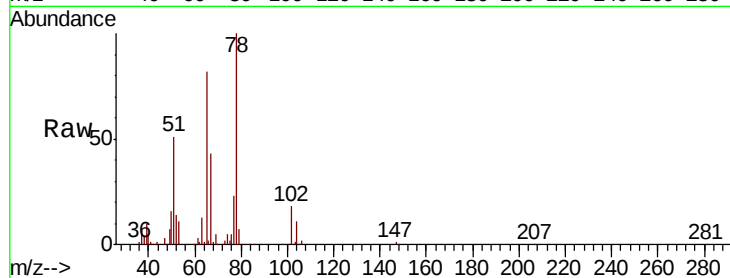
ClientSampleId :

Tot Ion: 65 Resp: 152442

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

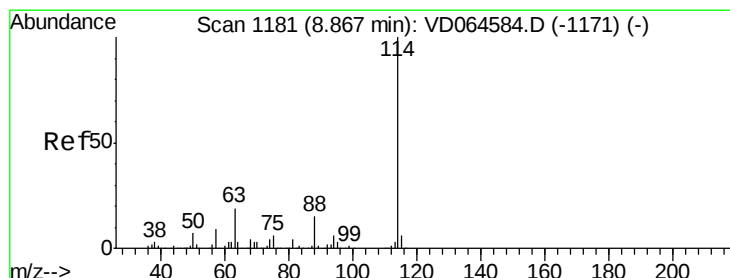
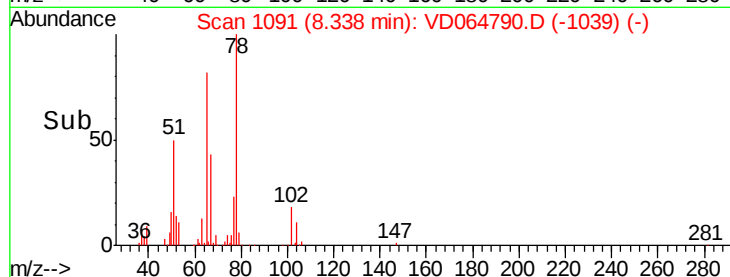
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

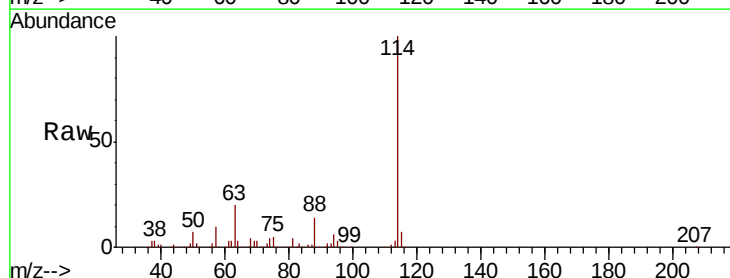
Tgt Ion: 114 Resp: 490248

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

88 14.5 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

300000

250000

200000

150000

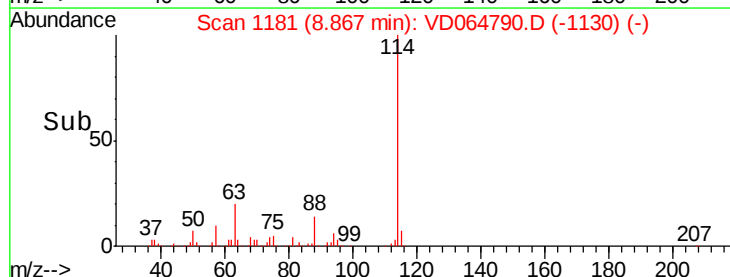
100000

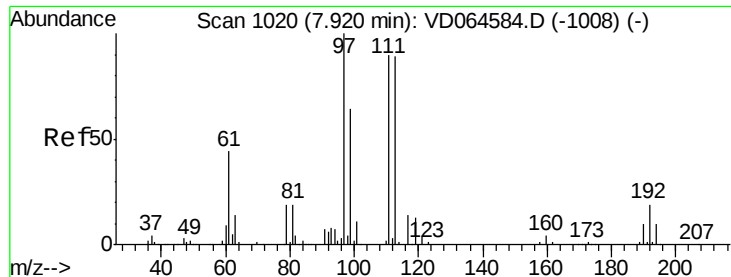
50000

0

8.80 8.90 9.00

Time-->

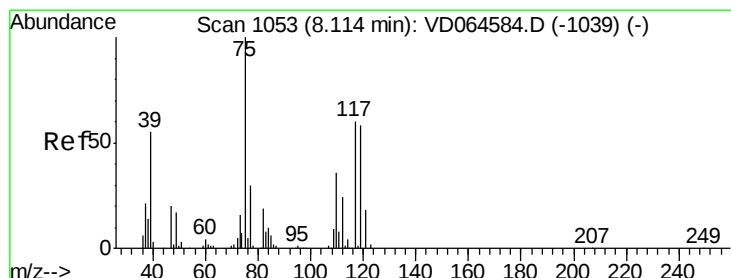
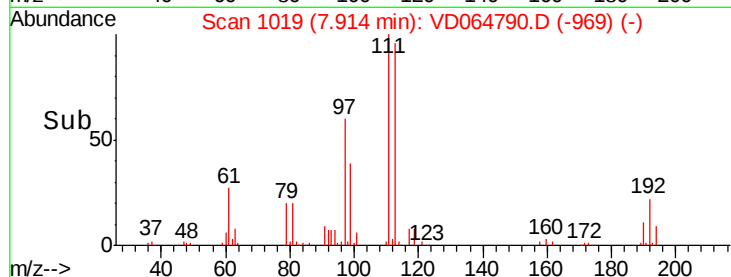
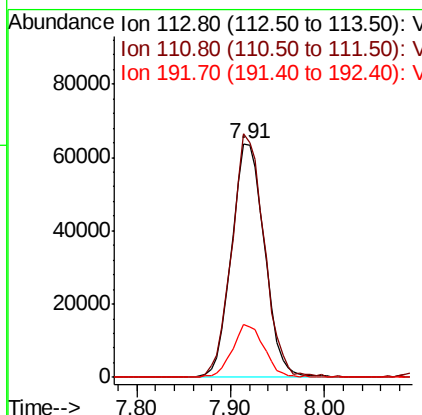
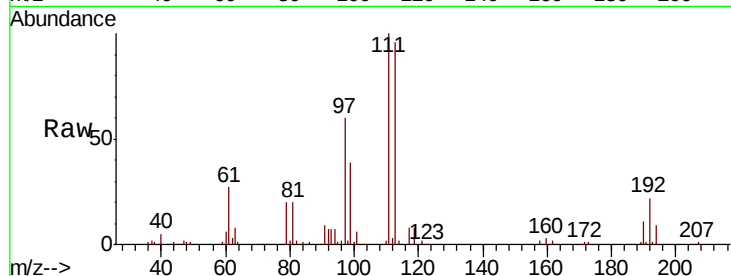




#35
 Dibromofluoromethane
 Concen: 51.707 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

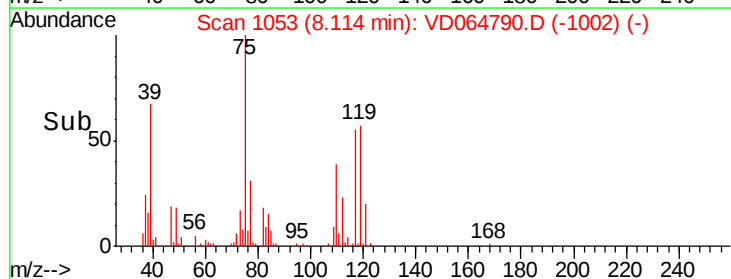
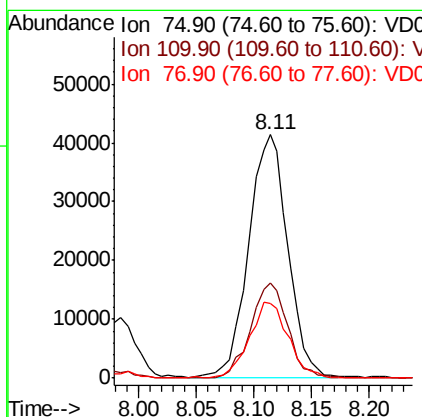
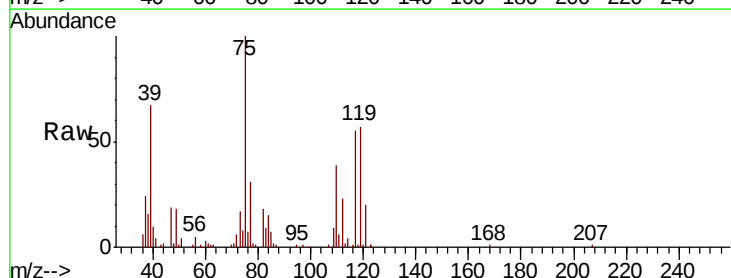
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	21.8	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 20.755 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.1
77	31.0	24.2	36.4

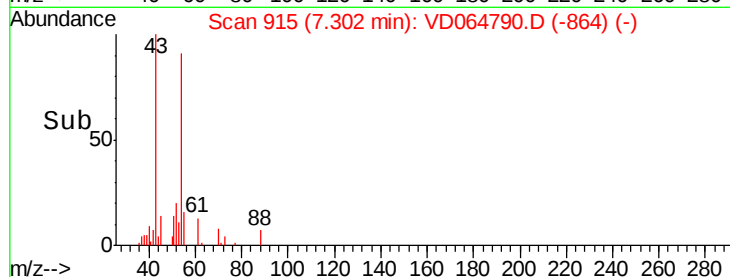
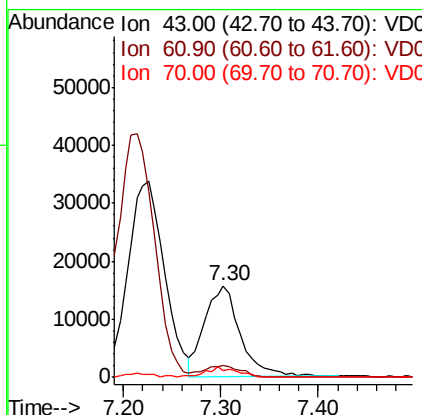
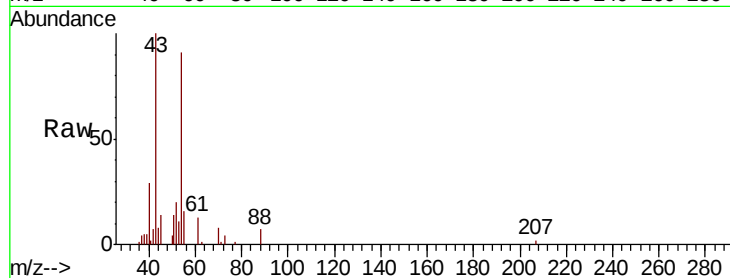




#37
Ethyl Acetate
Concen: 21.435 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

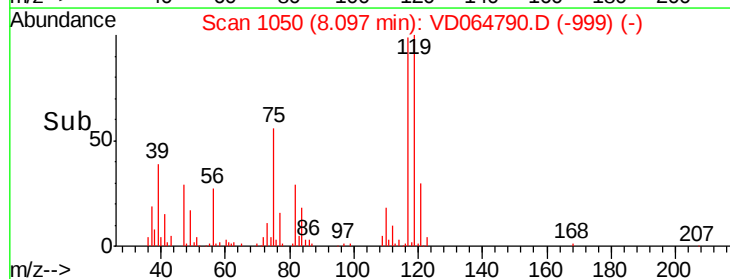
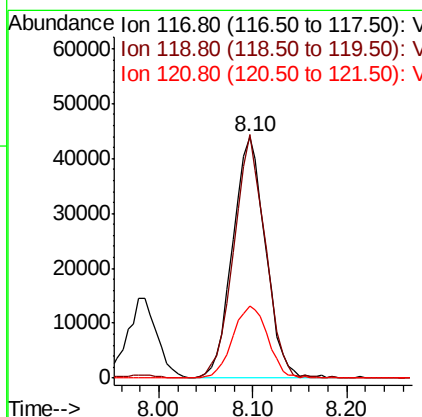
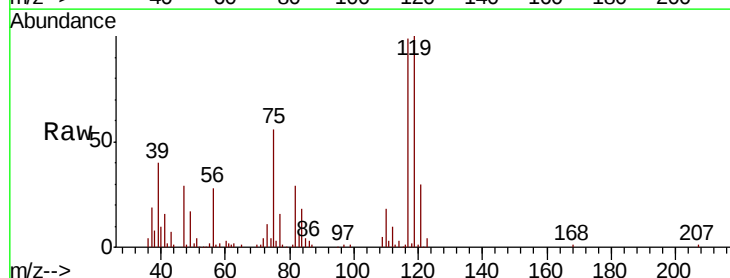
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 39735
Ion Ratio Lower Upper
43 100
61 13.8 10.3 15.5
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.172 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 117 Resp: 106524
Ion Ratio Lower Upper
117 100
119 100.8 77.3 115.9
121 29.8 25.0 37.6

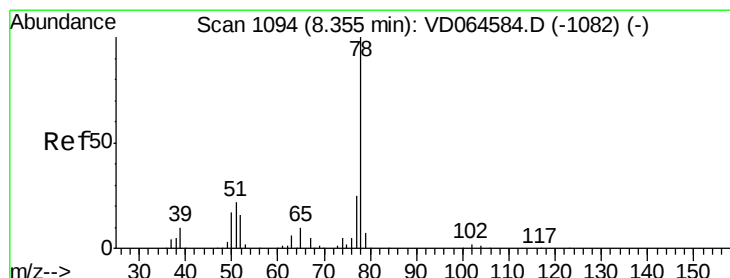
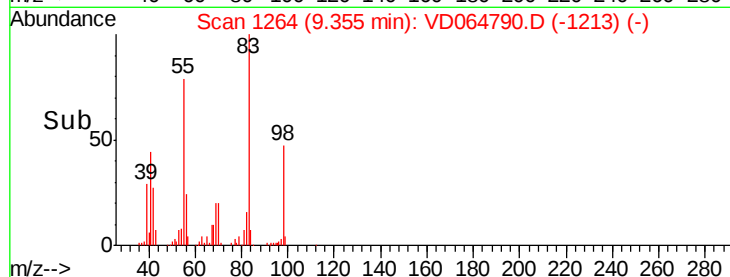
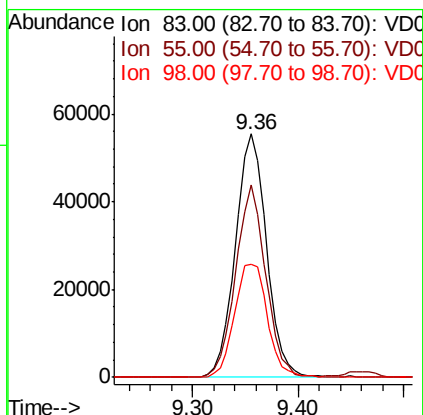
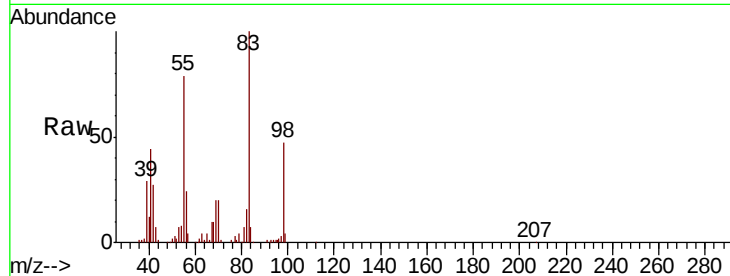




#39
Methvlcvclohexane
Concen: 19.811 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

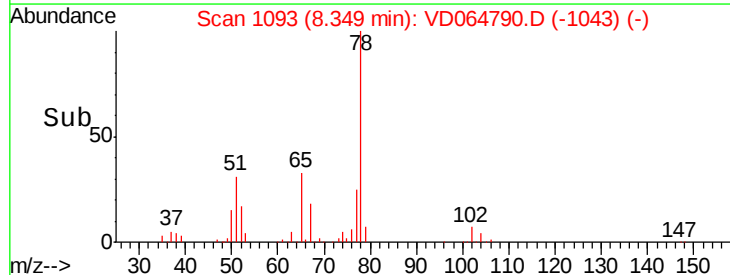
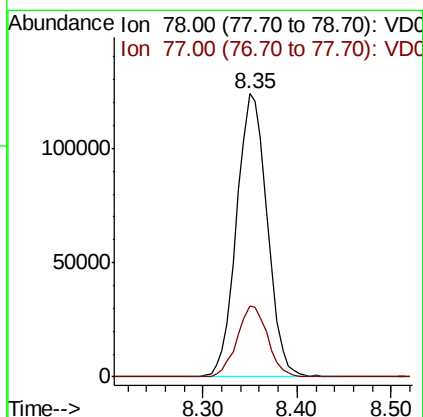
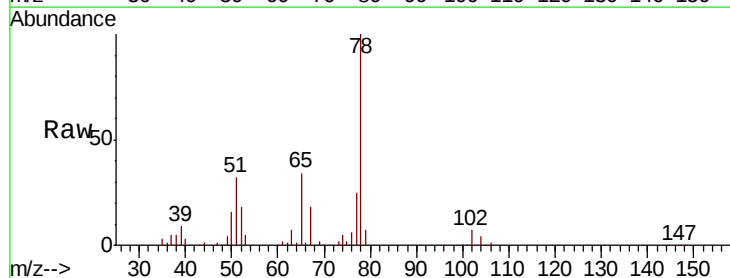
Instrument :
MSVOA_D
ClientSampleId :

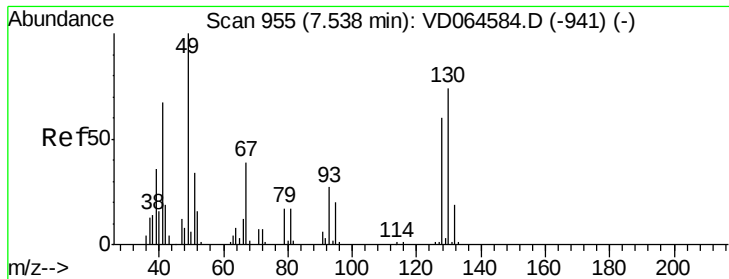
Tot Ion: 83 Resp: 113222
Ion Ratio Lower Upper
83 100
55 78.9 57.8 86.6
98 46.7 38.7 58.1



#40
Benzene
Concen: 21.803 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 78 Resp: 280845
Ion Ratio Lower Upper
78 100
77 25.2 19.9 29.9





#41

Methacrylonitrile

Concen: 25.465 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 27388

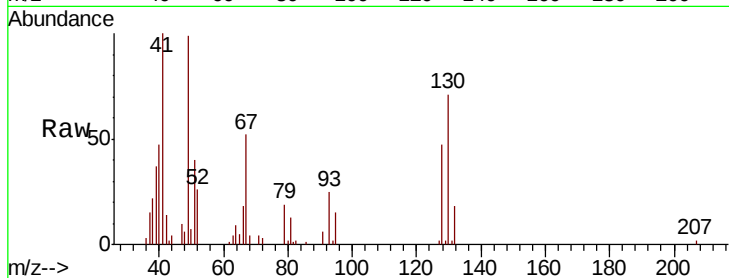
Ion Ratio Lower Upper

41 100

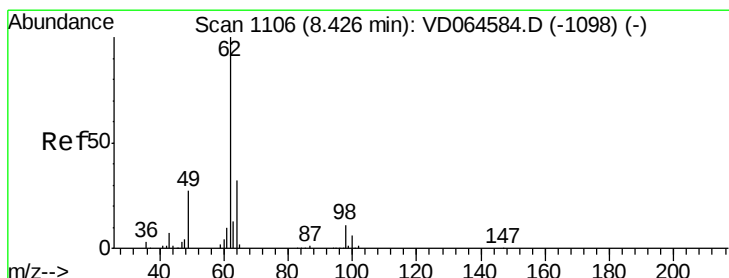
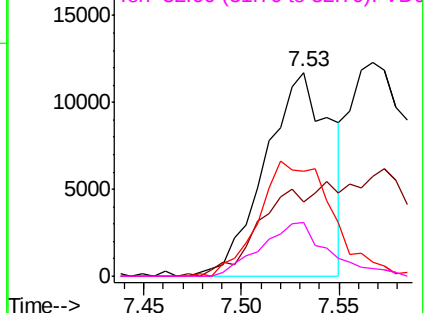
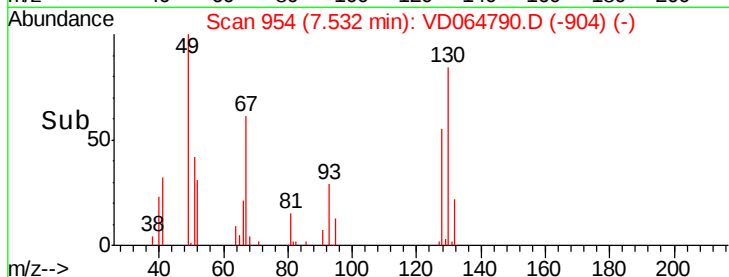
39 31.5 46.7 70.1#

67 63.0 52.5 78.7

52 27.1 24.1 36.1



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



#42

1,2-Dichloroethane

Concen: 22.757 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064790.D

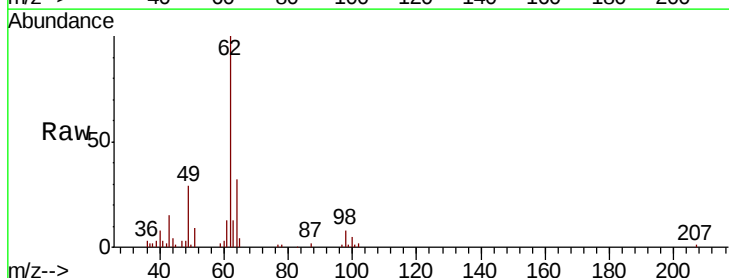
Acq: 07 Jan 2020 13:47

Tgt Ion: 62 Resp: 84712

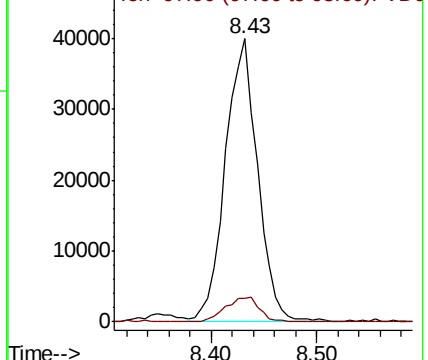
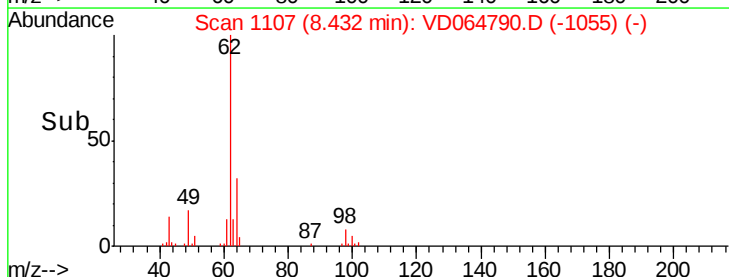
Ion Ratio Lower Upper

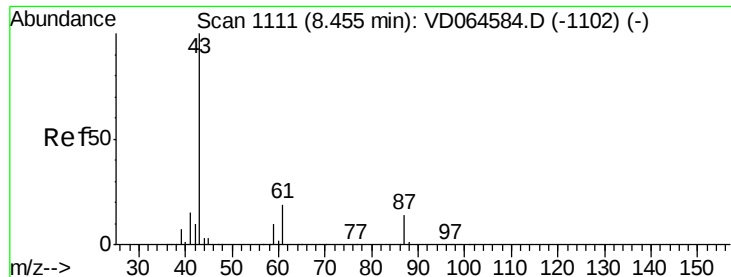
62 100

98 9.2 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 20.885 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

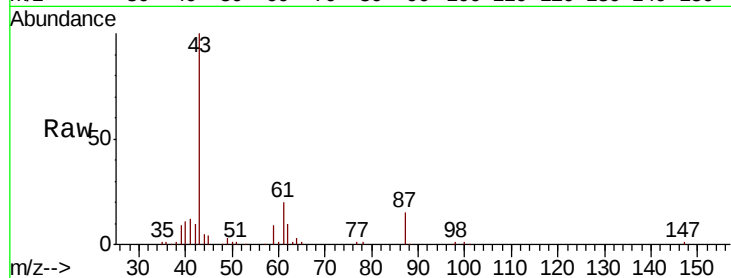
Tot Ion: 43 Resp: 77057

Ion Ratio Lower Upper

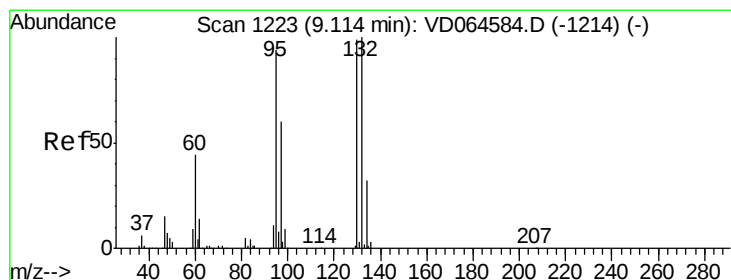
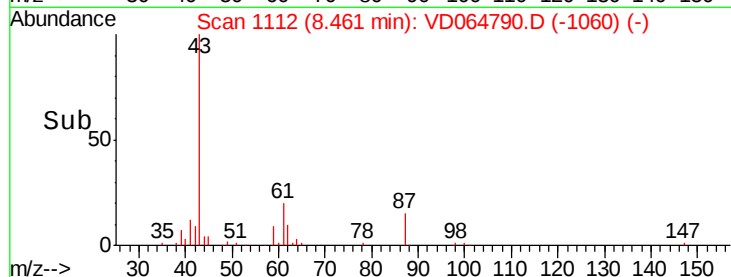
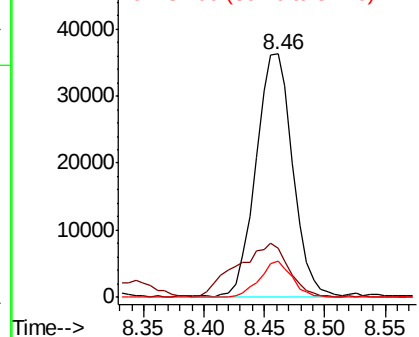
43 100

61 31.4 23.7 35.5

87 13.1 10.5 15.7



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



#44

Trichloroethene

Concen: 21.087 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064790.D

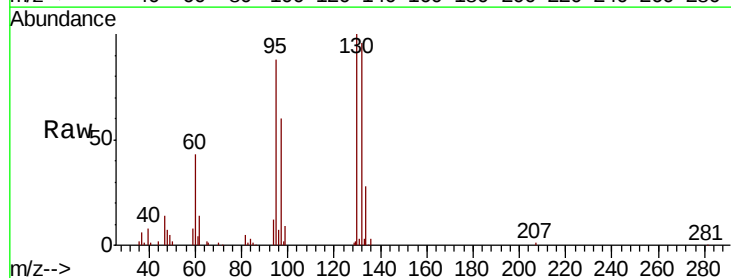
Acq: 07 Jan 2020 13:47

Tgt Ion:130 Resp: 79795

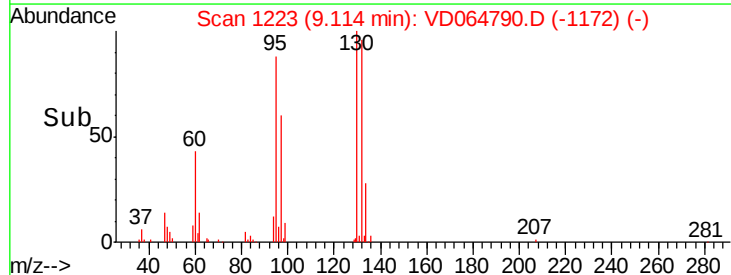
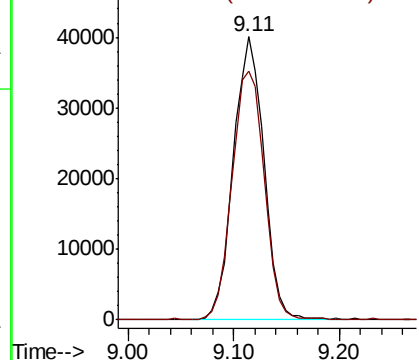
Ion Ratio Lower Upper

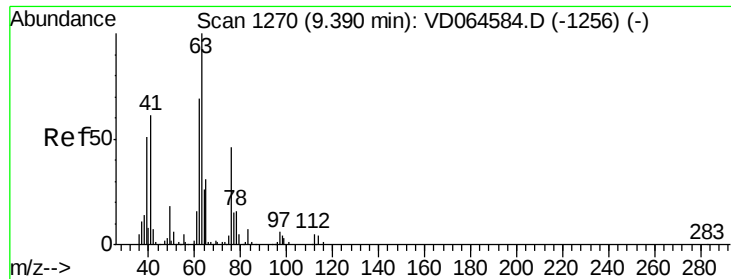
130 100

95 87.9 0.0 190.2



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

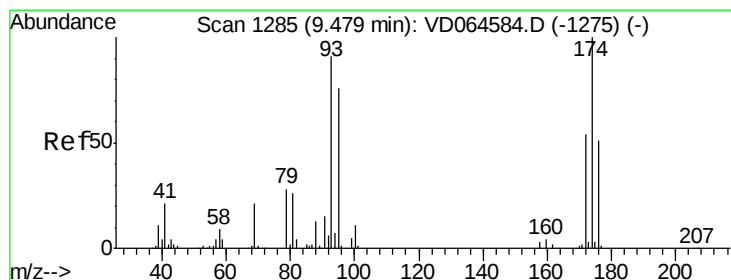
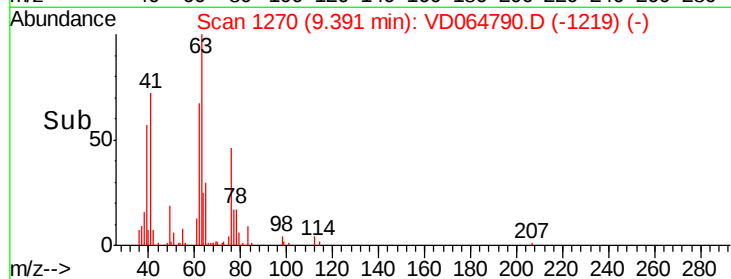
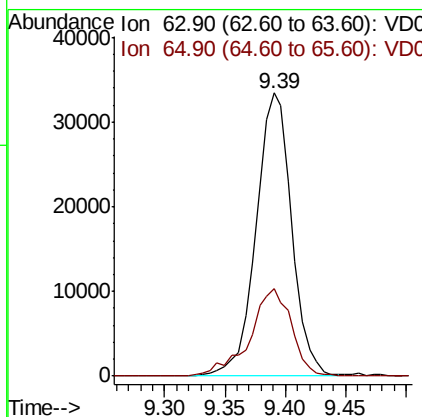
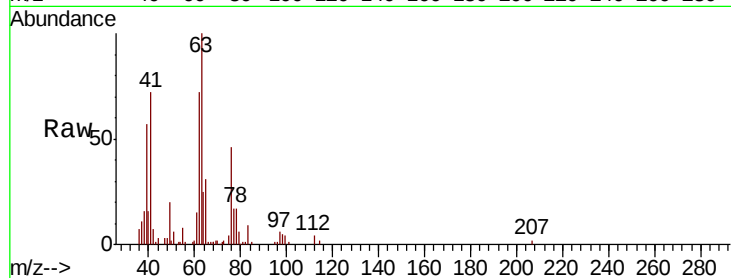




#45
 1,2-Dichloropropane
 Concen: 22.337 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

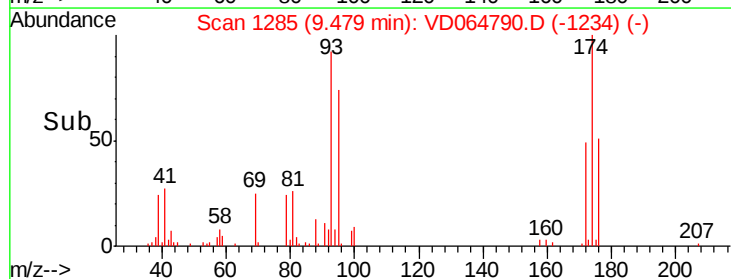
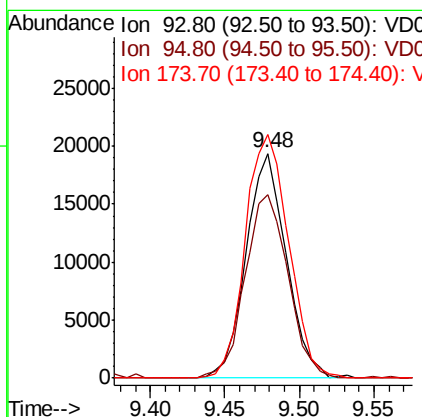
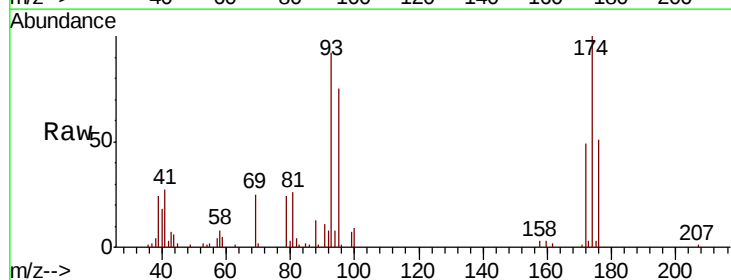
Instrument :
 MSVOA_D
 ClientSampleId :

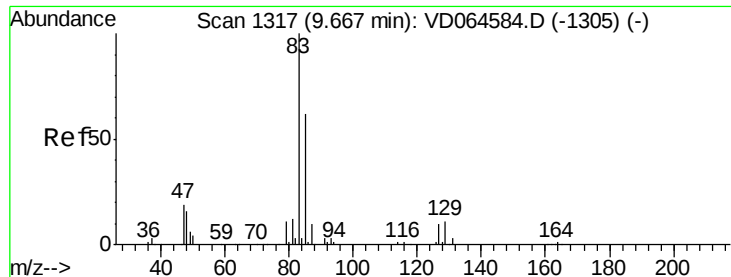
Tot Ion: 63 Resp: 68699
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 21.068 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 93 Resp: 36126
 Ion Ratio Lower Upper
 93 100
 95 87.0 64.6 97.0
 174 116.7 88.1 132.1





#47

Bromodichloromethane

Concen: 22.209 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :

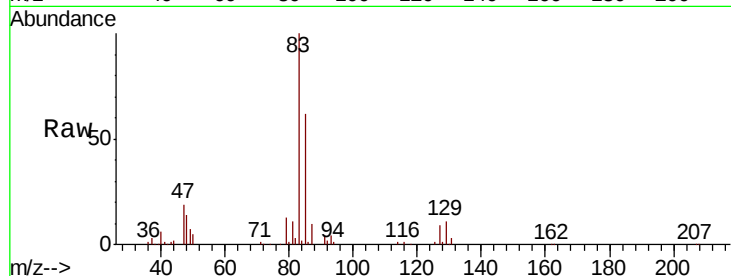
Tot Ion: 83 Resp: 101339

Ion Ratio Lower Upper

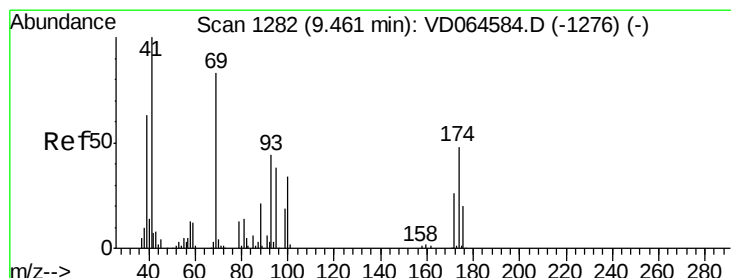
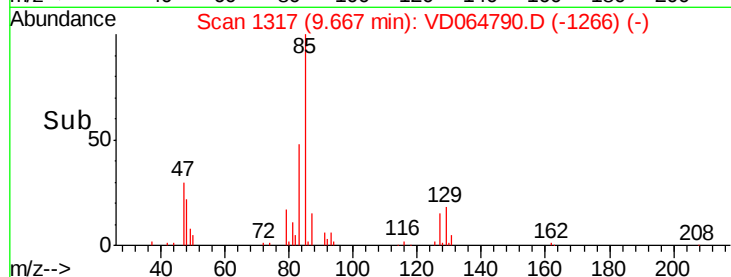
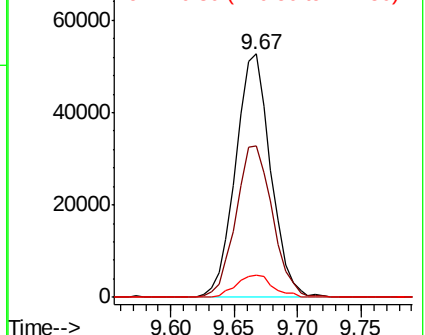
83 100

85 62.0 49.5 74.3

127 9.1 7.8 11.6



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



#48

Methyl methacrylate

Concen: 20.267 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

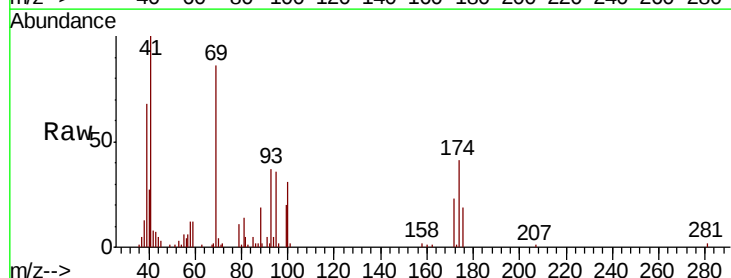
Tgt Ion: 41 Resp: 35209

Ion Ratio Lower Upper

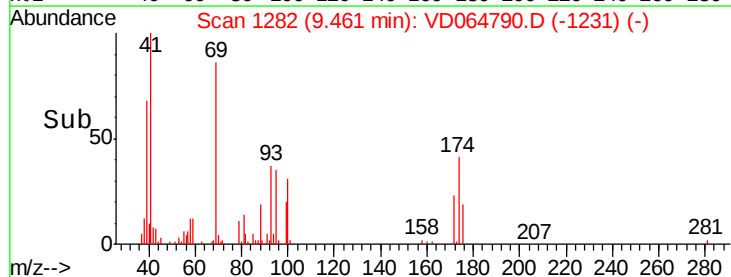
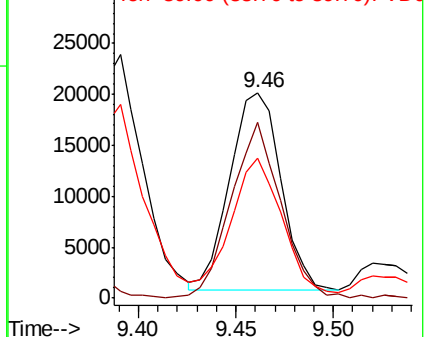
41 100

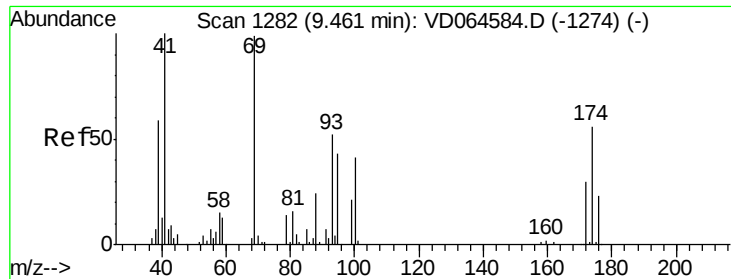
69 87.0 63.0 94.6

39 72.5 47.4 71.2#



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

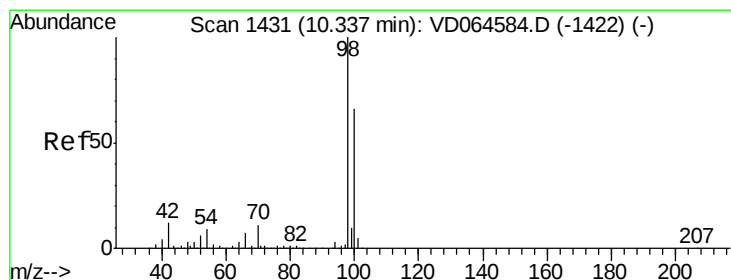
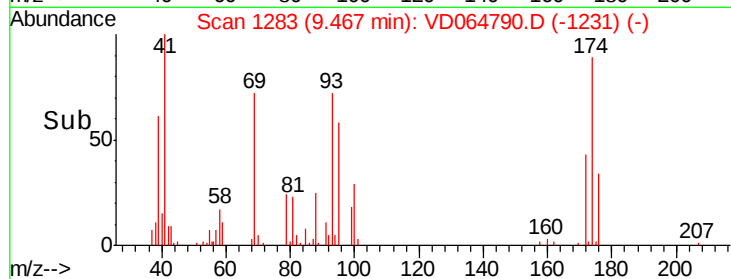
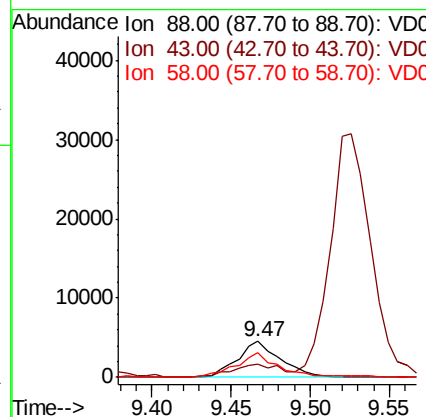
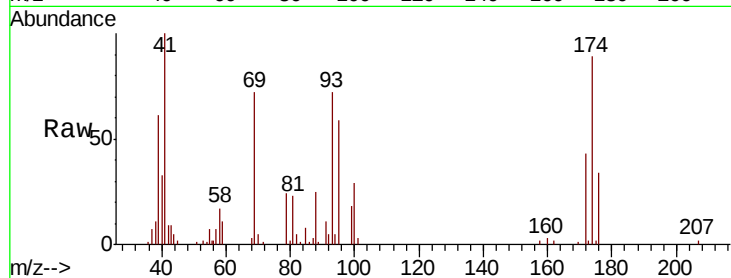




#49
1,4-Dioxane
Concen: 433.994 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

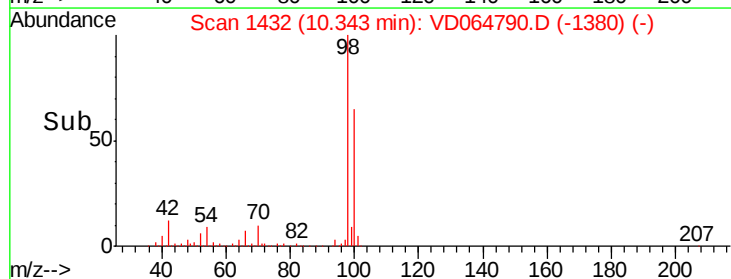
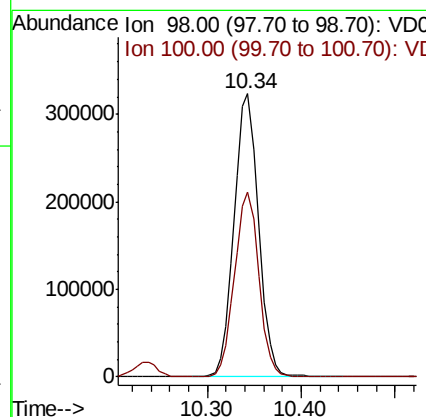
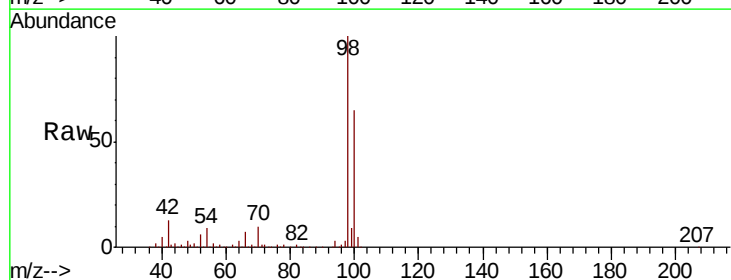
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 8581
Ion Ratio Lower Upper
88 100
43 41.7 27.7 41.5#
58 65.3 53.8 80.6



#50
Toluene-d8
Concen: 50.891 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 98 Resp: 586233
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 105.933 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

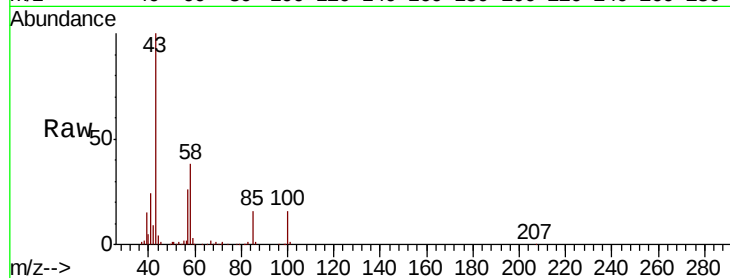
ClientSampled :

Tot Ion: 43 Resp: 193192

Ion Ratio Lower Upper

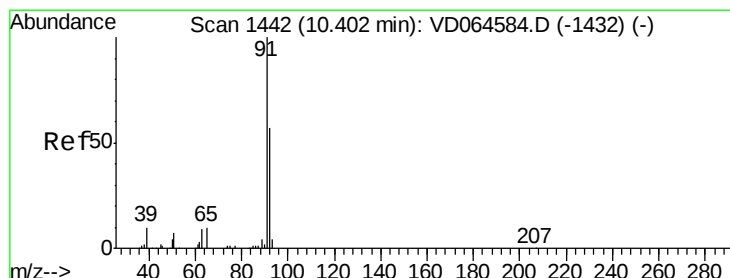
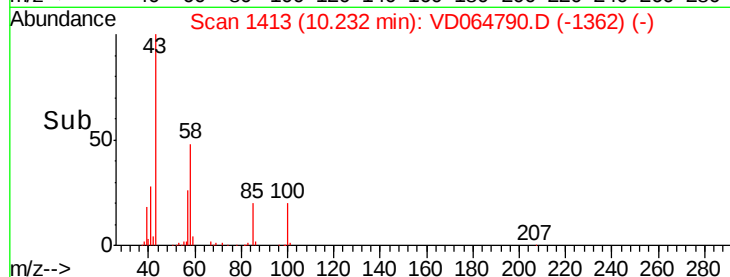
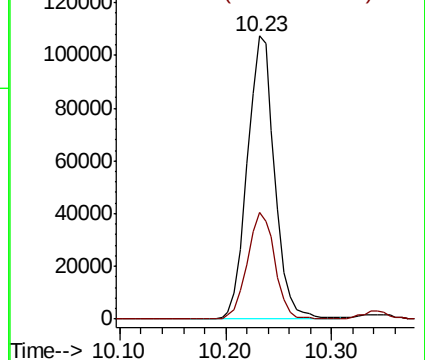
43 100

58 38.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.406 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064790.D

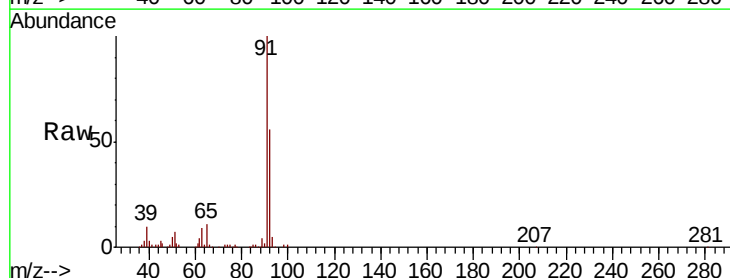
Acq: 07 Jan 2020 13:47

Tgt Ion: 92 Resp: 180904

Ion Ratio Lower Upper

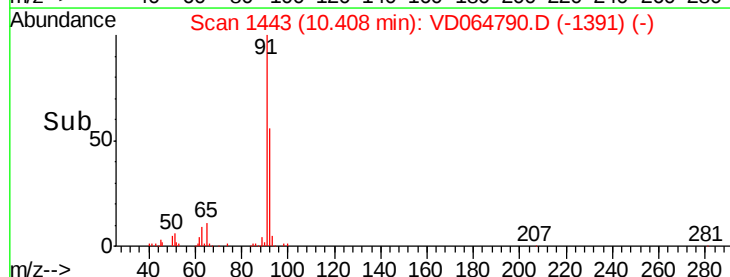
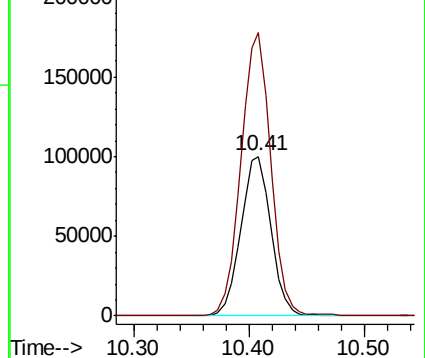
92 100

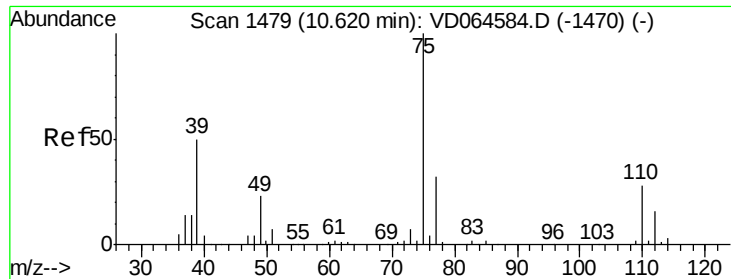
91 175.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.048 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

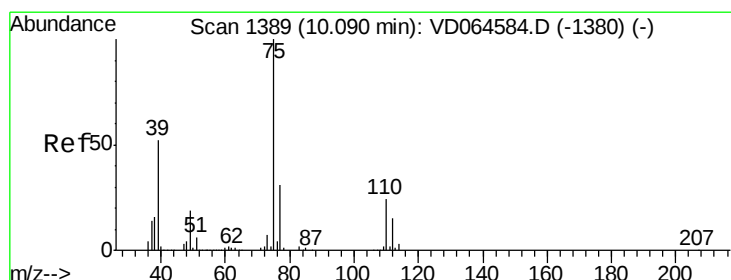
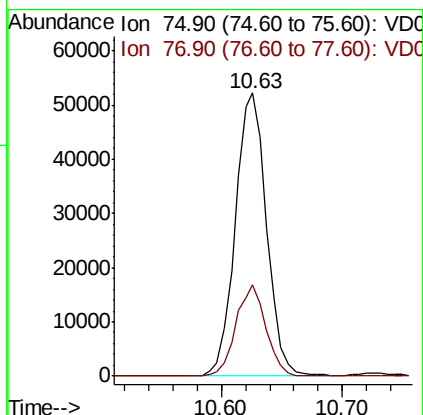
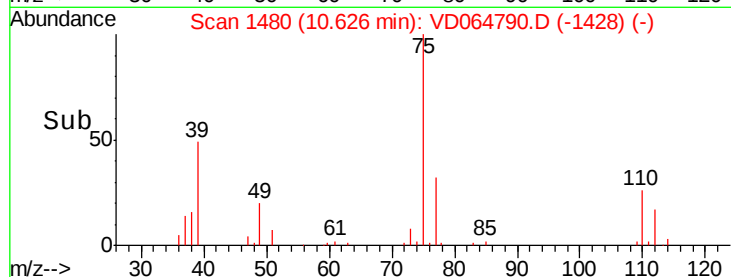
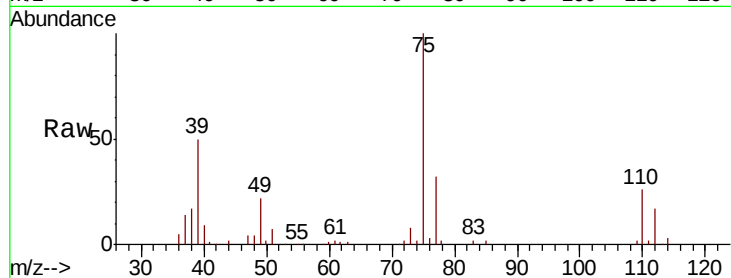
ClientSampleId :

Tot Ion: 75 Resp: 93793

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 22.147 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

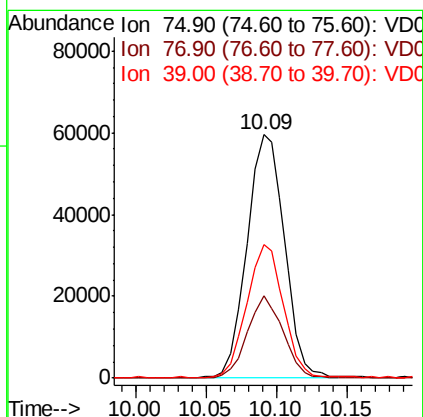
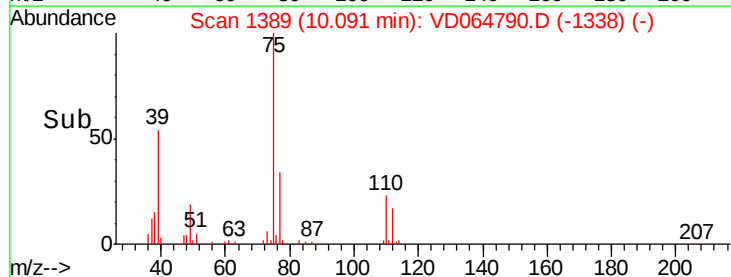
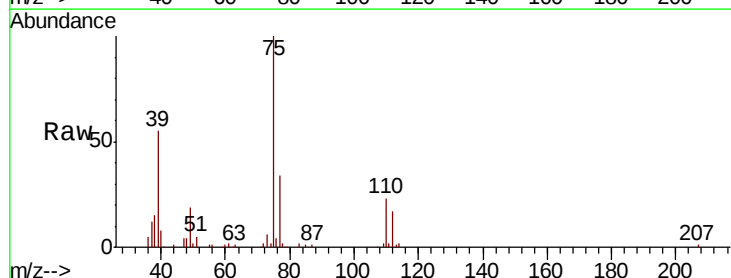
Tgt Ion: 75 Resp: 111090

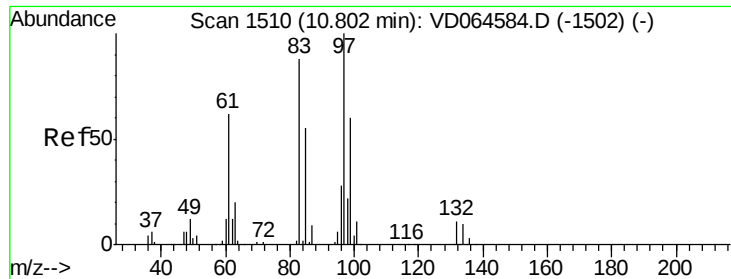
Ion Ratio Lower Upper

75 100

77 33.6 24.6 36.8

39 54.3 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 22.014 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 50872

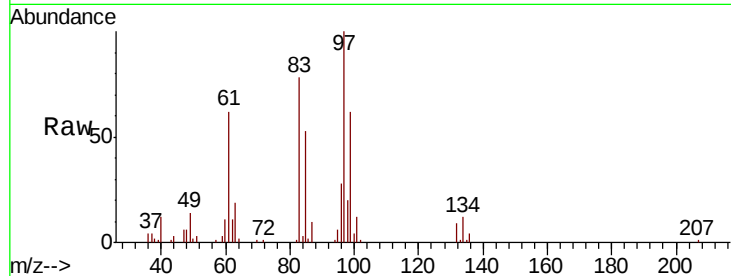
Ion Ratio Lower Upper

97 100

83 78.3 70.2 105.4

85 52.9 44.0 66.0

99 62.0 47.8 71.6

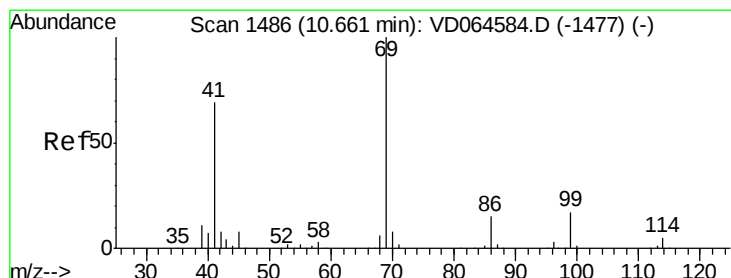
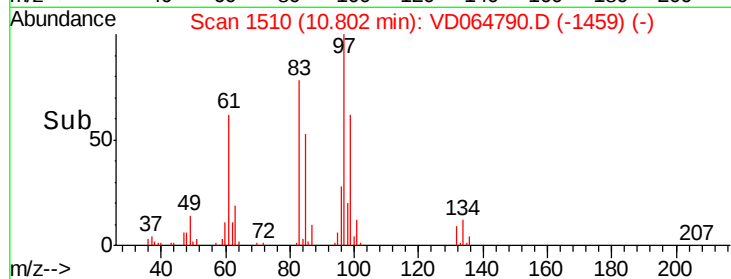
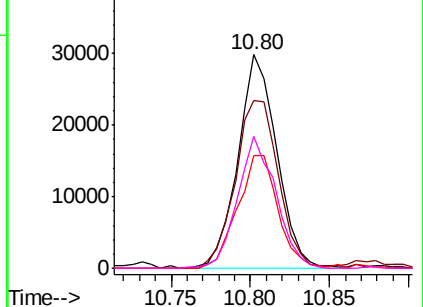


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.244 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

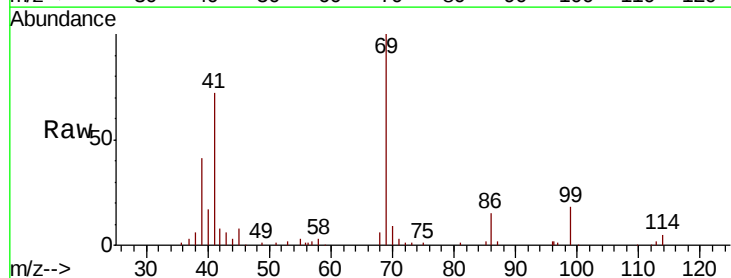
Tgt Ion: 69 Resp: 61312

Ion Ratio Lower Upper

69 100

41 68.1 55.3 82.9

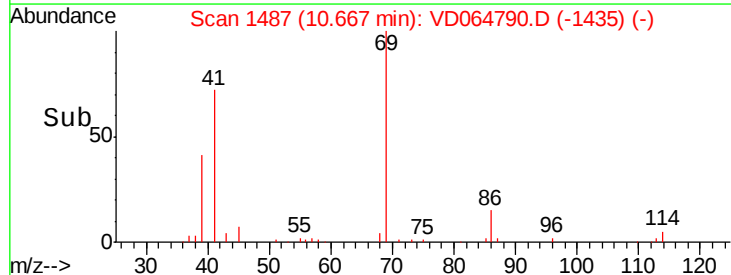
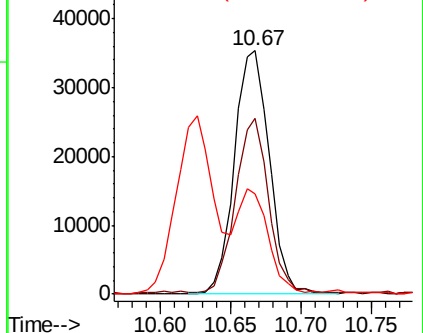
39 36.3 33.8 50.8

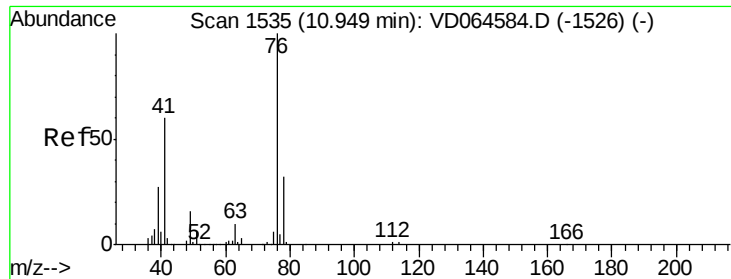


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

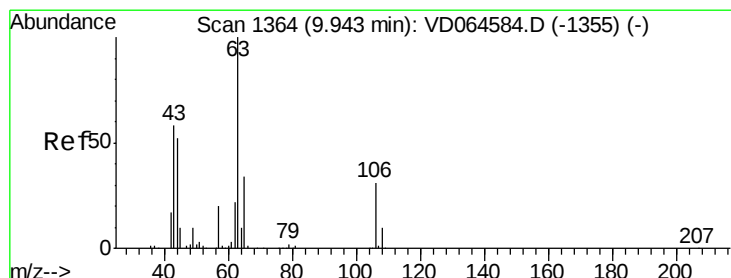
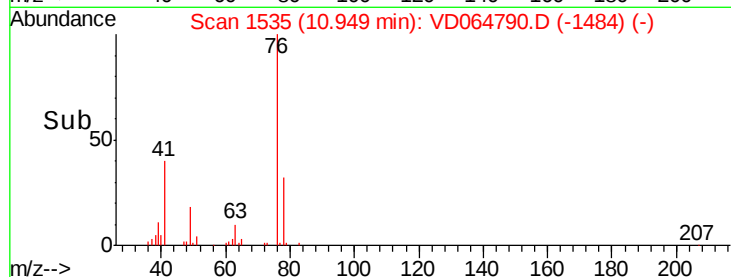
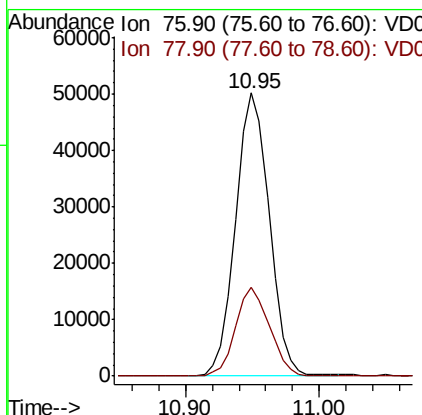
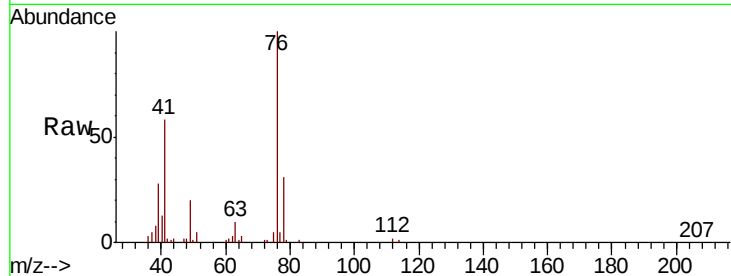




#57
 1,3-Dichloropropane
 Concen: 22.147 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

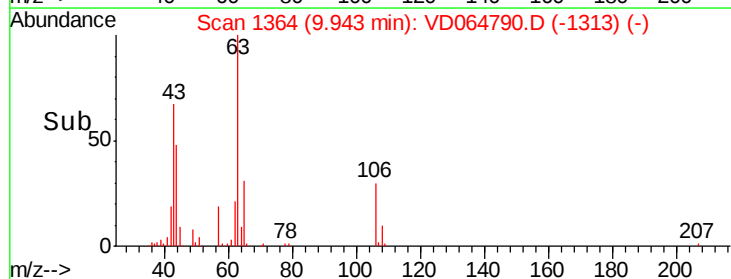
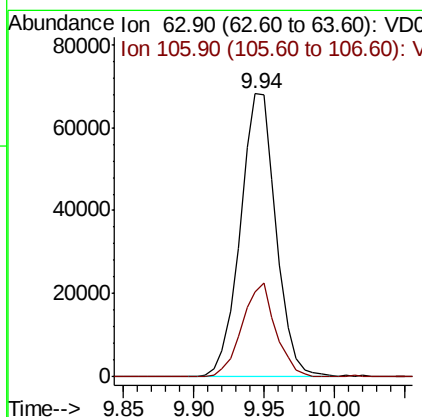
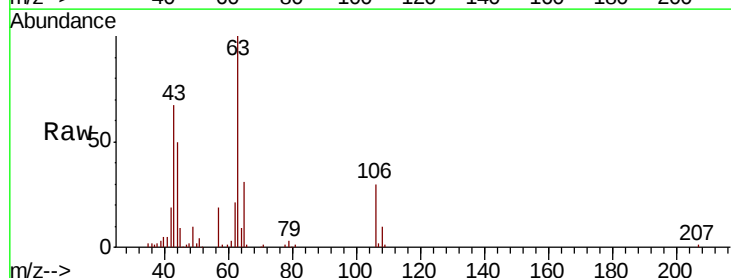
Instrument :
 MSVOA_D
 ClientSampleId :

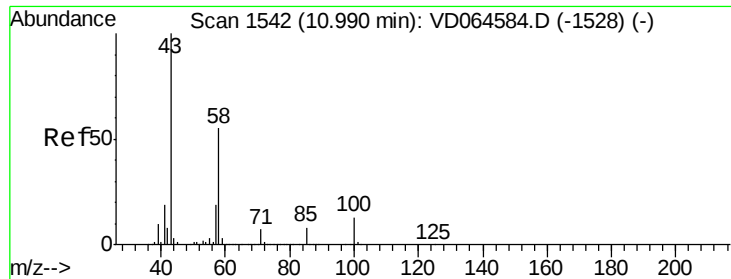
Tot Ion: 76 Resp: 88122
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.372 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 63 Resp: 120260
 Ion Ratio Lower Upper
 63 100
 106 31.2 23.8 35.8

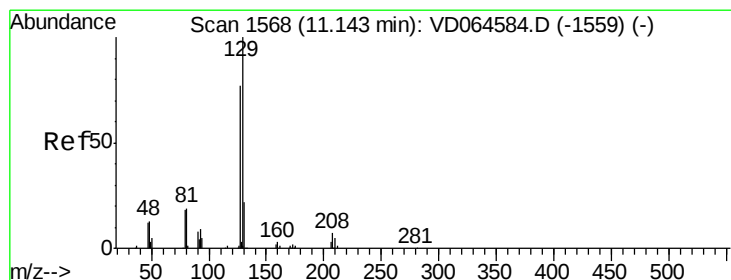
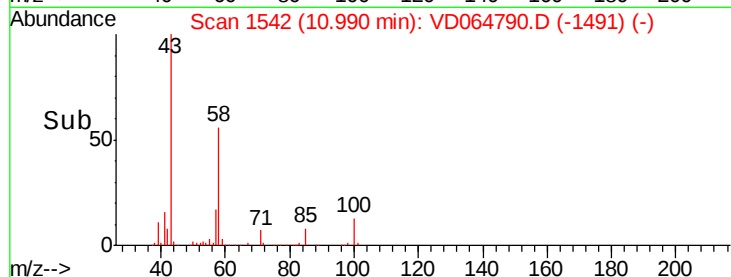
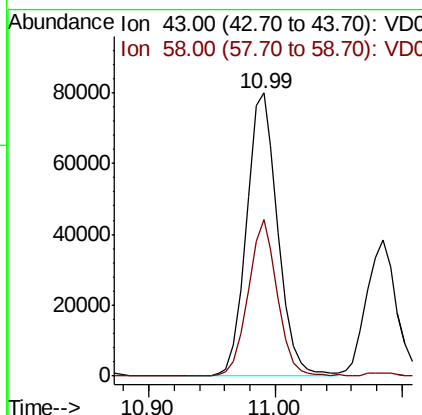
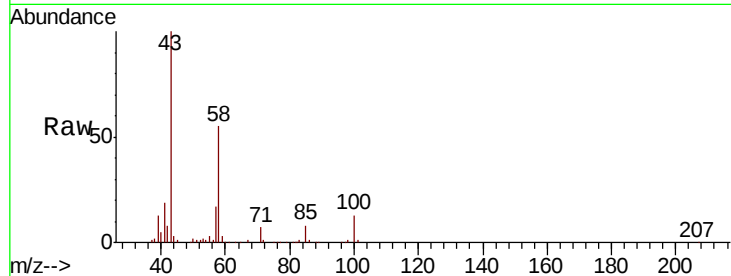




#59
2-Hexanone
Concen: 110.226 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

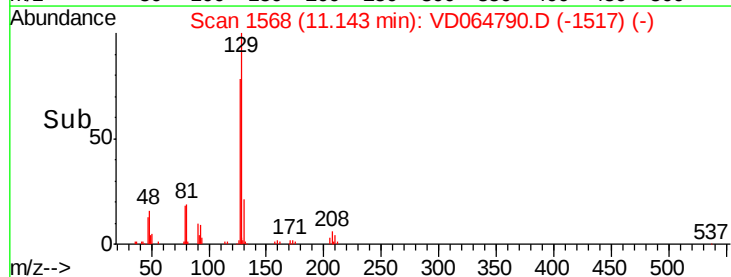
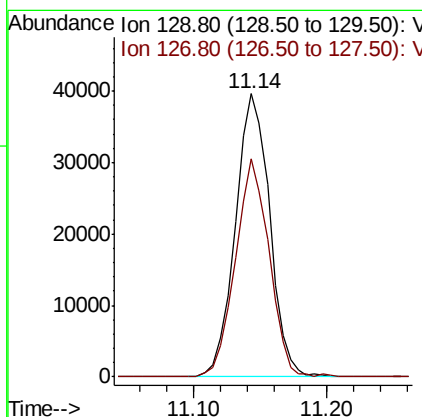
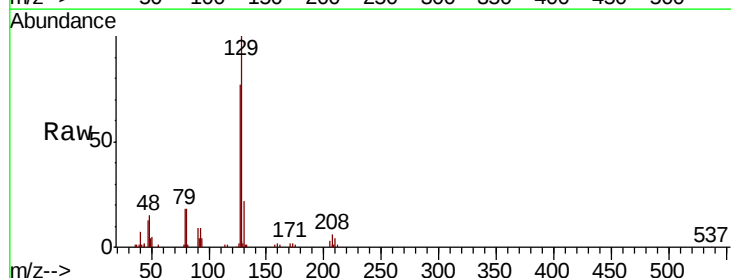
Instrument :
MSVOA_D
ClientSampleId :

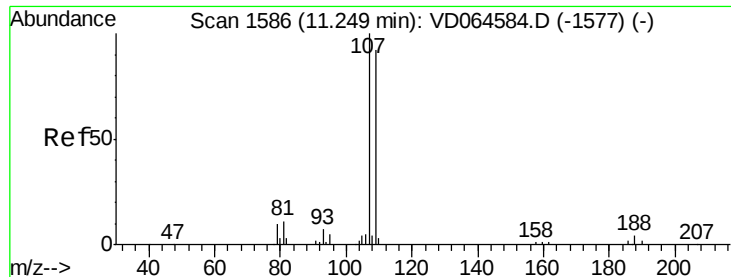
Tot Ion: 43 Resp: 136438
Ion Ratio Lower Upper
43 100
58 51.6 26.4 79.0



#60
Dibromochloromethane
Concen: 22.020 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion:129 Resp: 70368
Ion Ratio Lower Upper
129 100
127 75.7 38.4 115.2

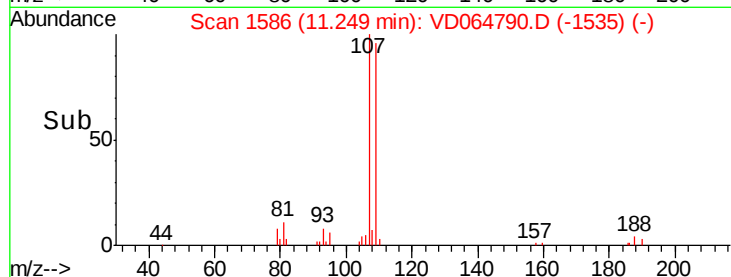
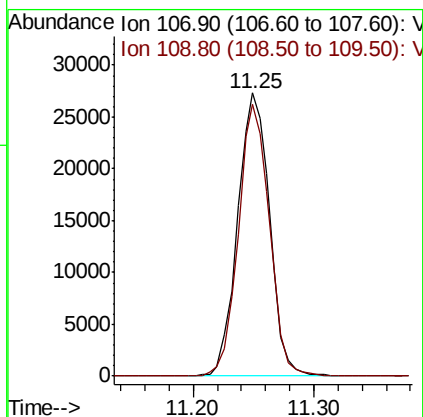
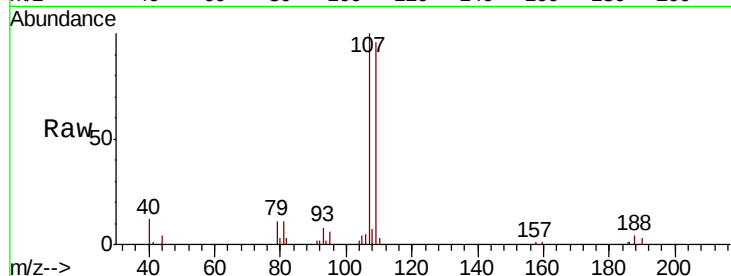




#61
 1,2-Dibromoethane
 Concen: 21.999 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

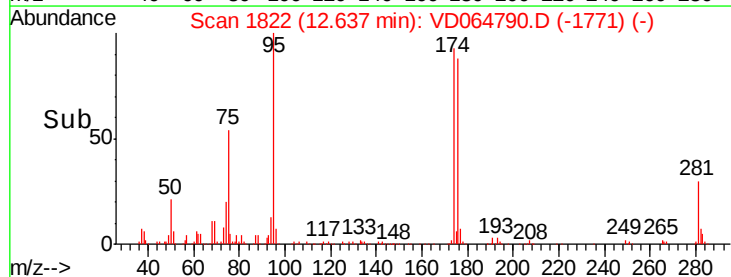
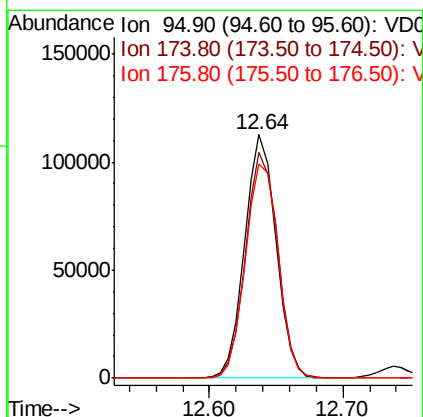
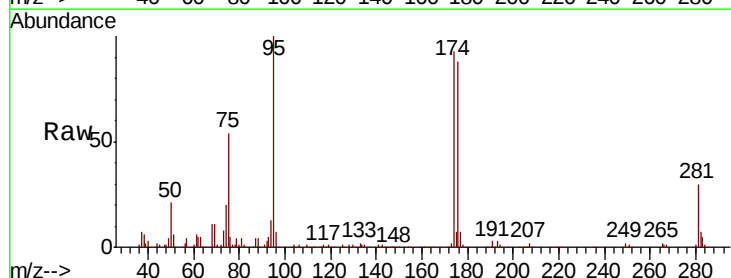
Instrument :
 MSVOA_D
 ClientSampleId :

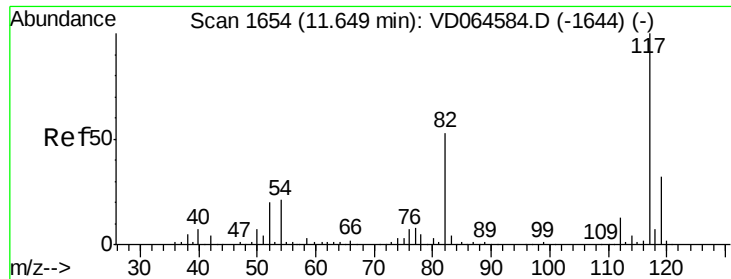
Tot Ion: 107 Resp: 50142
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.187 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 95 Resp: 182807
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 193.2
 176 92.0 0.0 184.2

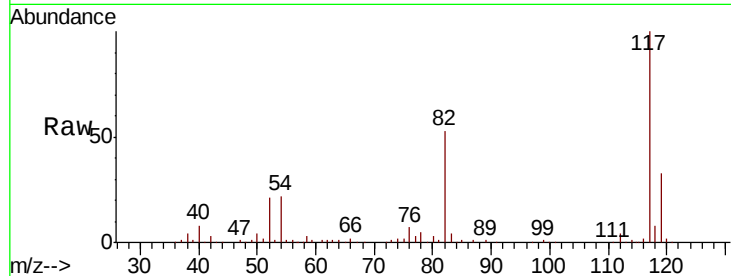




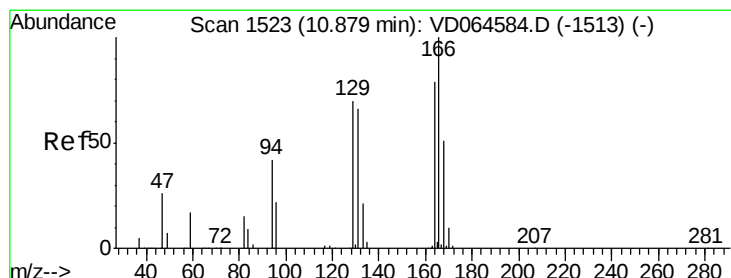
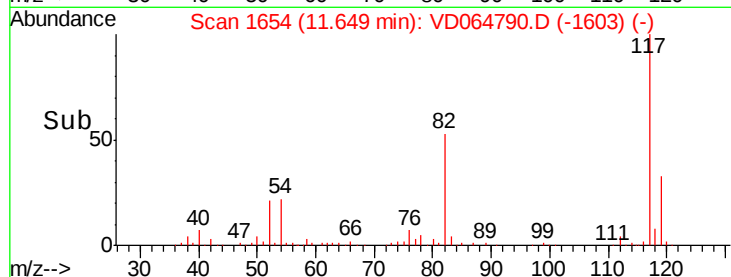
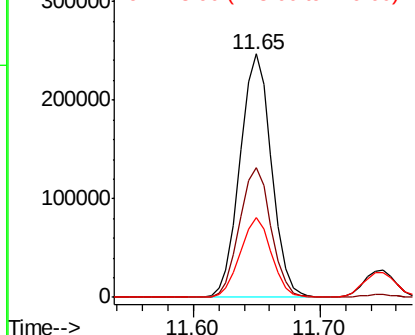
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 426831
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 33.0 26.0 39.0

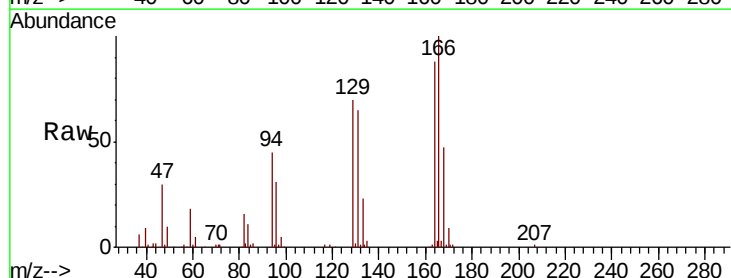


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

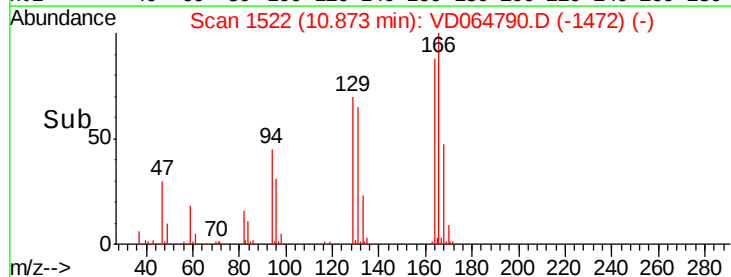
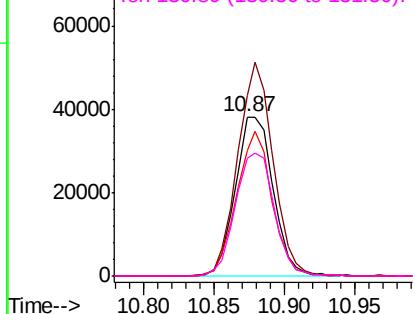


#64
Tetrachloroethene
Concen: 21.802 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion:164 Resp: 71391
Ion Ratio Lower Upper
164 100
166 113.5 101.3 151.9
129 79.2 70.5 105.7
131 73.7 66.6 99.8



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

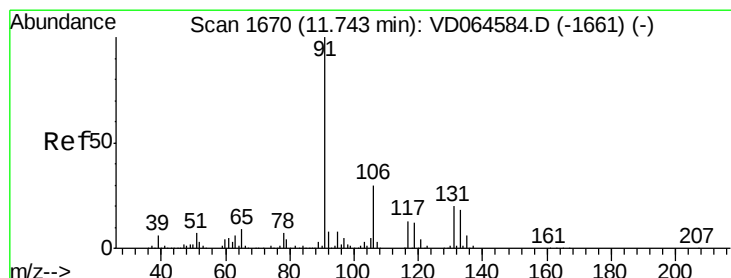
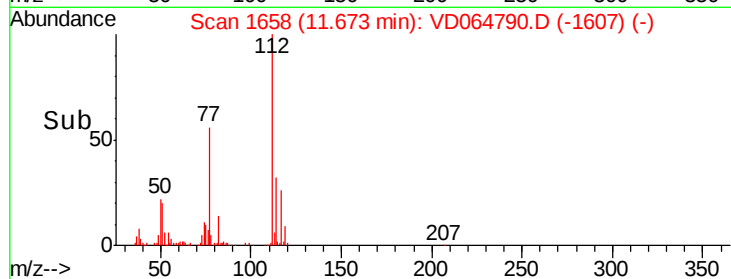
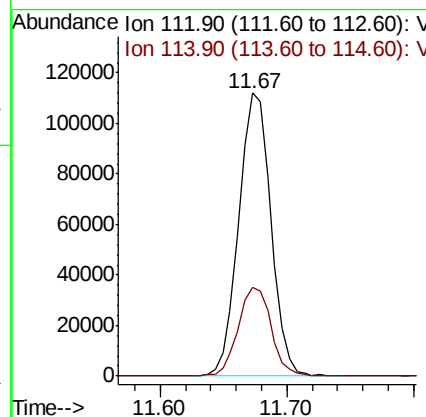
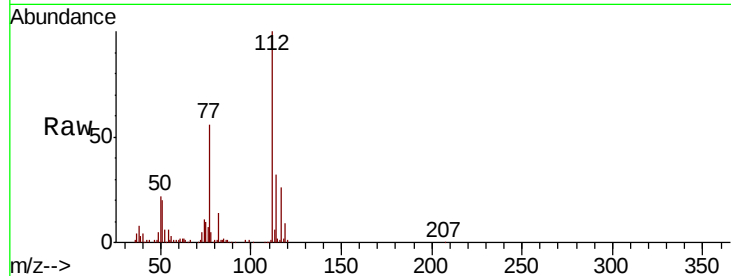




#65
Chlorobenzene
Concen: 22.188 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

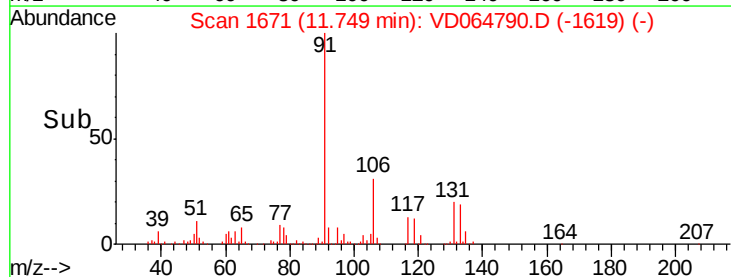
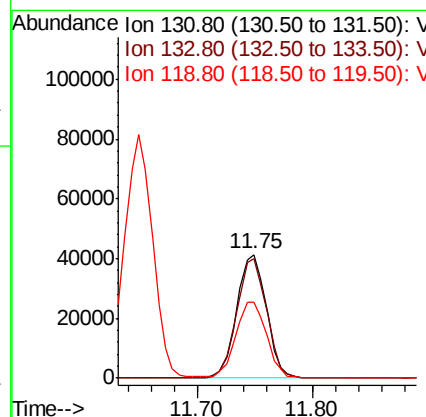
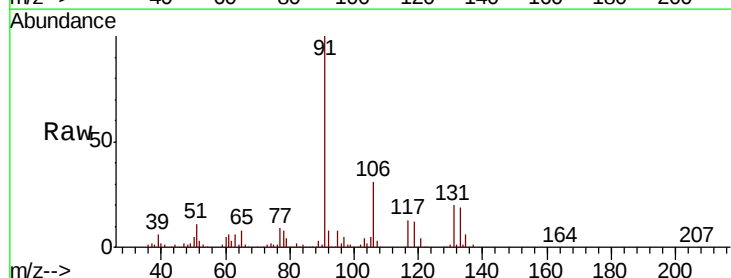
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 196561
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.945 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion:131 Resp: 73289
Ion Ratio Lower Upper
131 100
133 97.3 48.3 144.8
119 64.3 32.1 96.3





#67

Ethyl Benzene

Concen: 21.450 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

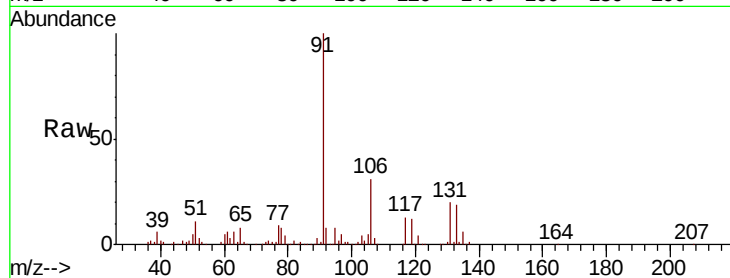
ClientSampleId :

Tot Ion: 91 Resp: 344905

Ion Ratio Lower Upper

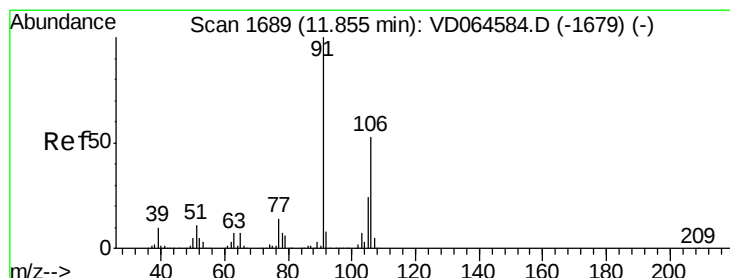
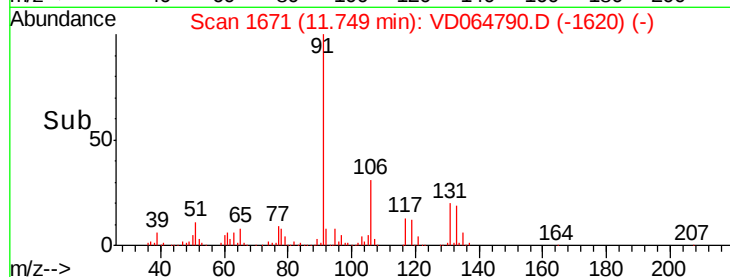
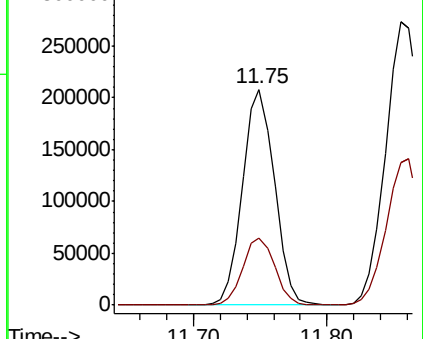
91 100

106 30.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 42.735 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064790.D

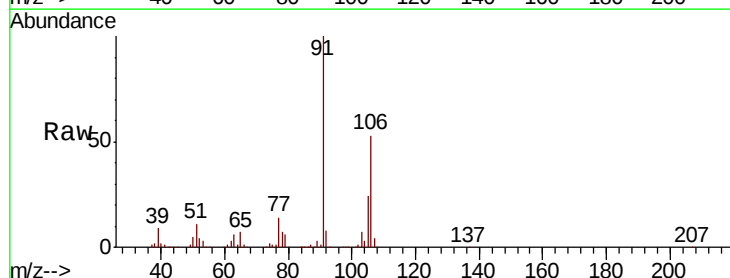
Acq: 07 Jan 2020 13:47

Tgt Ion: 106 Resp: 265224

Ion Ratio Lower Upper

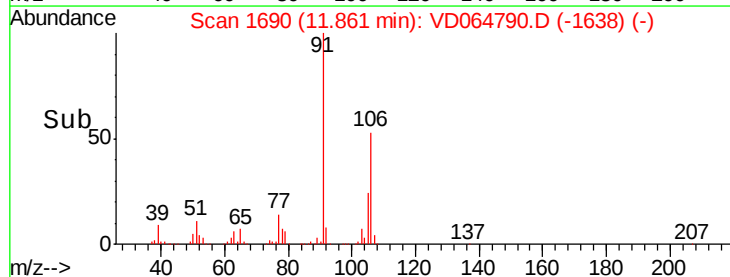
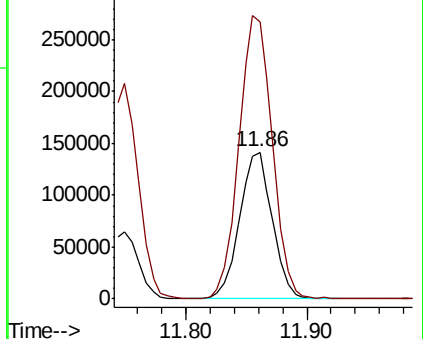
106 100

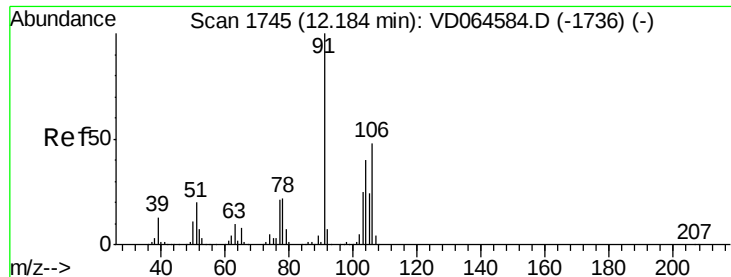
91 198.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

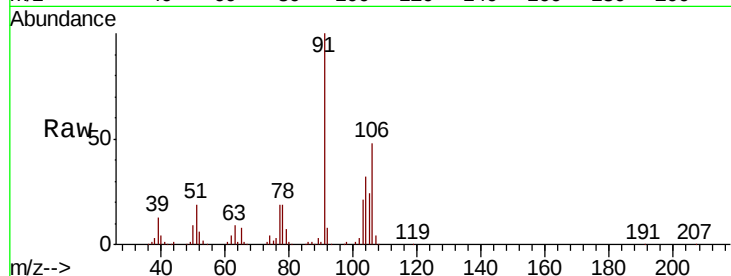




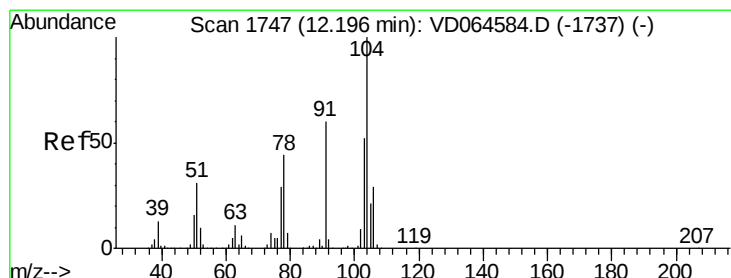
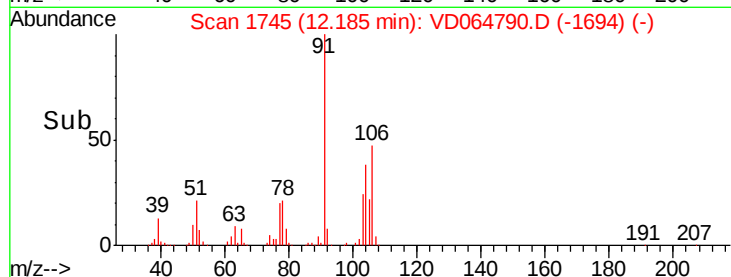
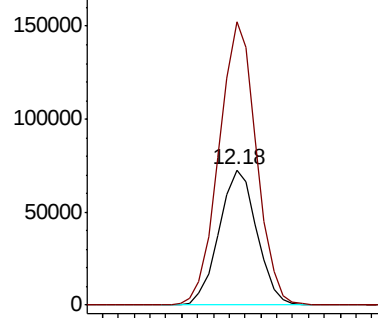
#69
o-Xylene
Concen: 21.471 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 120361
Ion Ratio Lower Upper
106 100
91 208.2 104.8 314.4

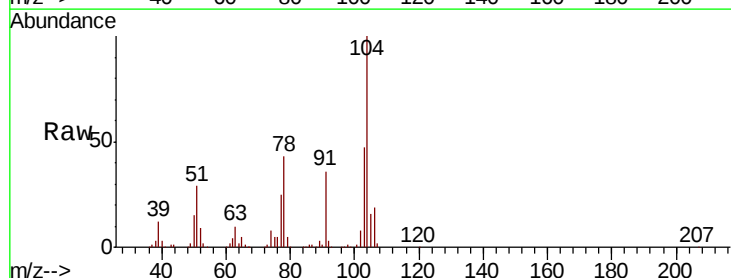


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

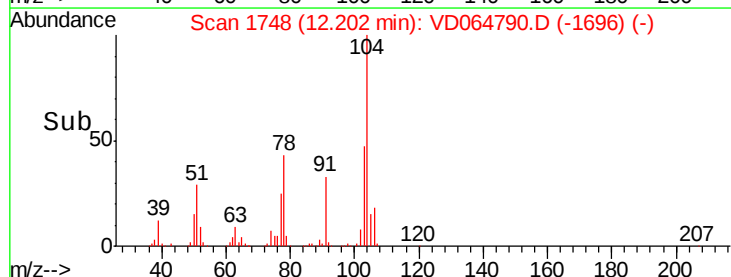
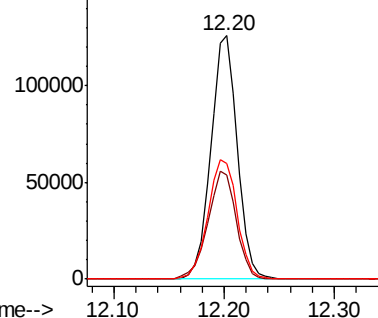


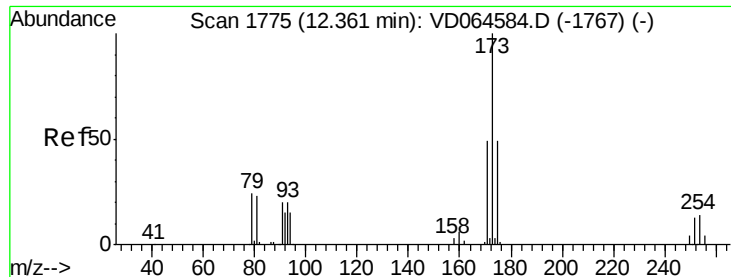
#70
Styrene
Concen: 21.502 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion:104 Resp: 211575
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 54.3 44.6 67.0



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





#71

Bromoform

Concen: 22.119 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

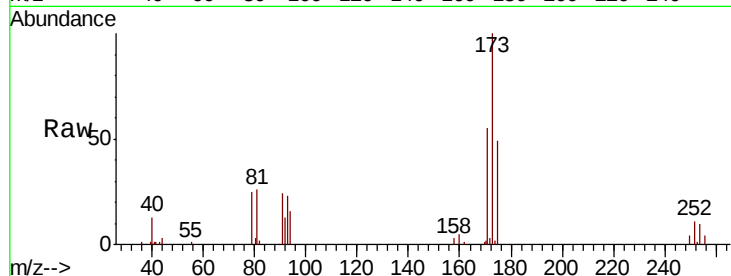
Tot Ion:173 Resp: 42126

Ion Ratio Lower Upper

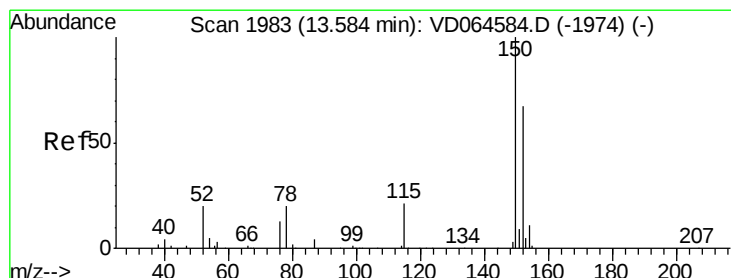
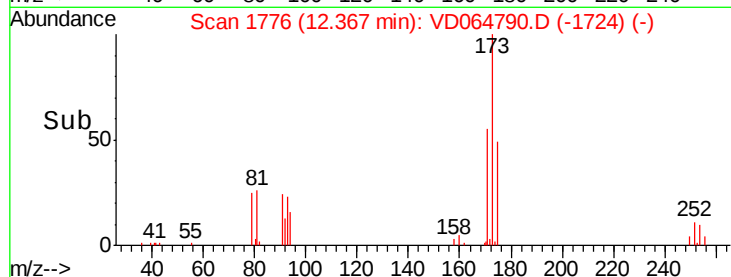
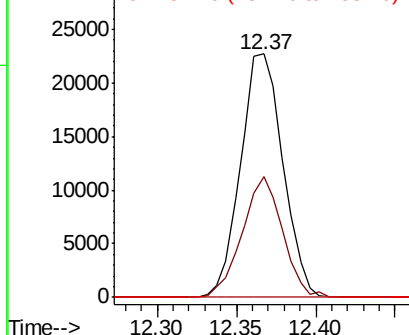
173 100

175 47.2 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

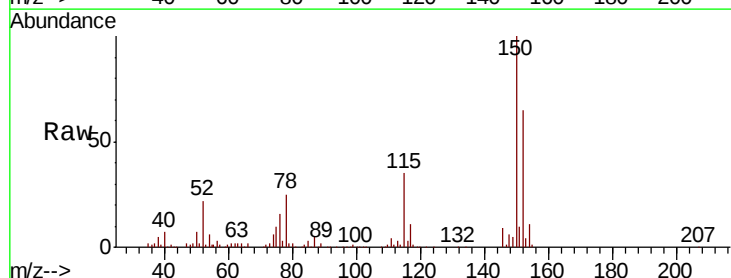
Tgt Ion:152 Resp: 215126

Ion Ratio Lower Upper

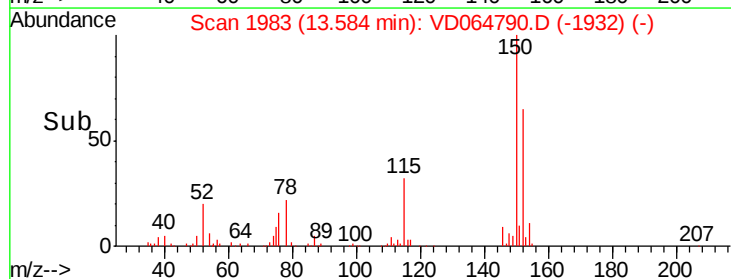
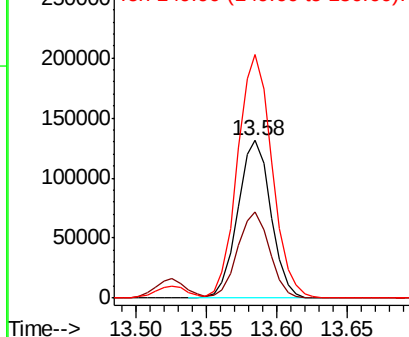
152 100

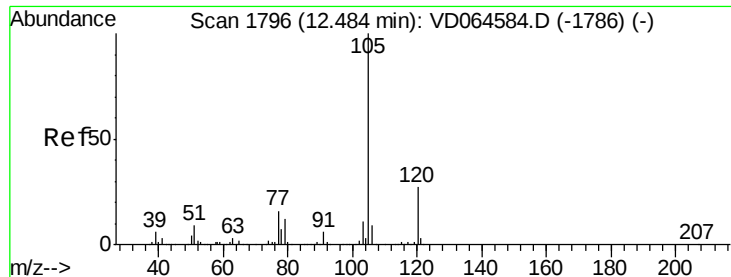
115 53.3 27.8 83.4

150 161.3 0.0 351.4



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





#73

Isopropylbenzene

Concen: 21.178 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

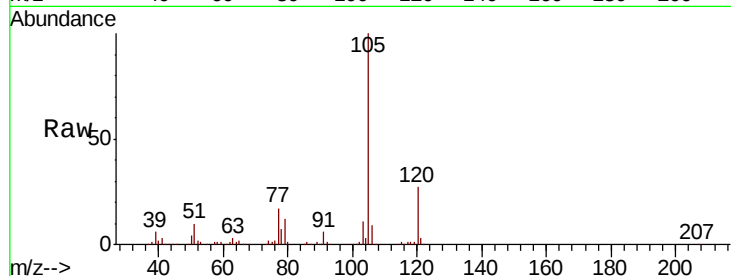
ClientSampleId :

Tot Ion:105 Resp: 325570

Ion Ratio Lower Upper

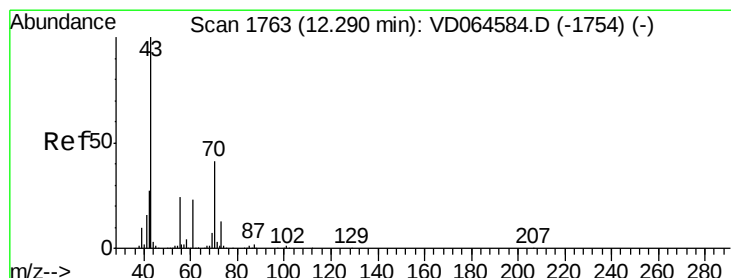
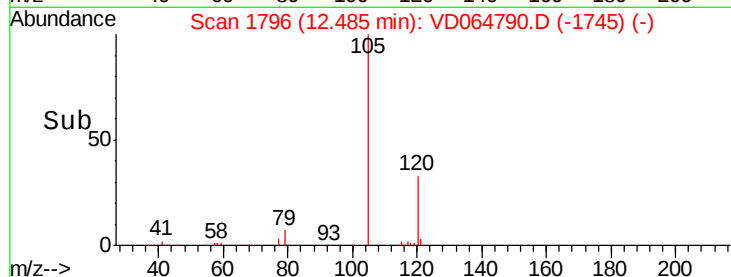
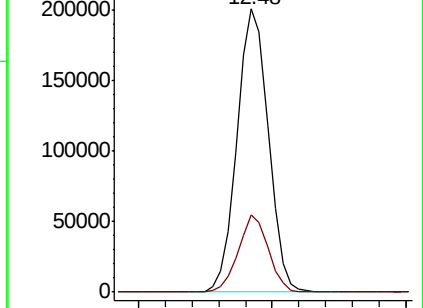
105 100

120 26.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.445 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion: 43 Resp: 70473

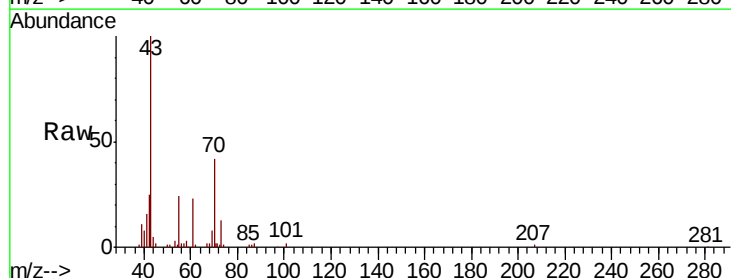
Ion Ratio Lower Upper

43 100

70 40.8 33.4 50.0

55 23.5 19.4 29.0

61 21.9 18.3 27.5

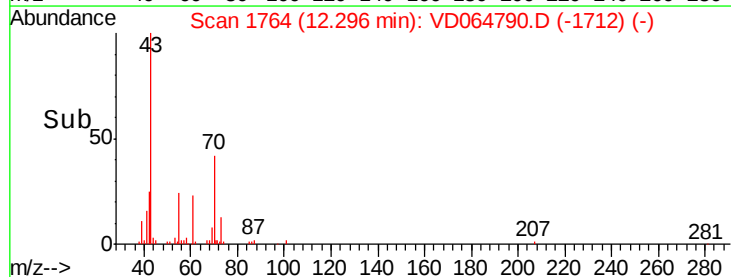
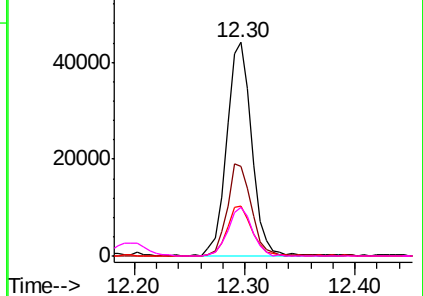


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.115 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

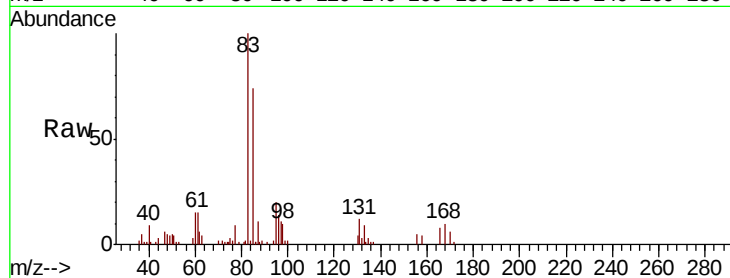
Tot Ion: 83 Resp: 50993

Ion Ratio Lower Upper

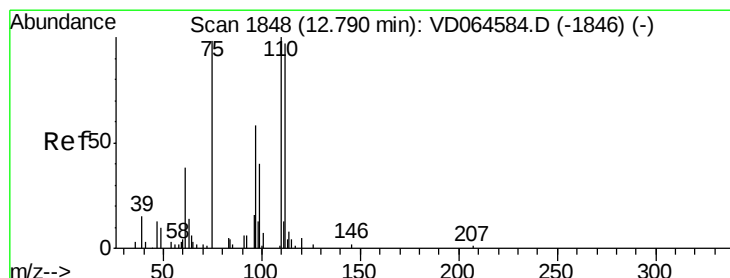
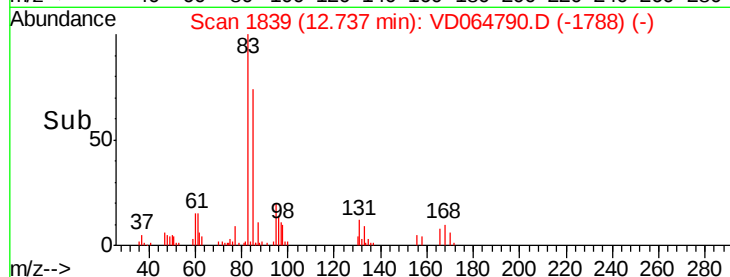
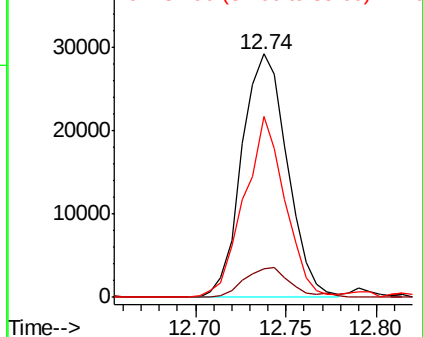
83 100

131 12.5 5.8 17.4

85 67.2 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 42.388 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064790.D

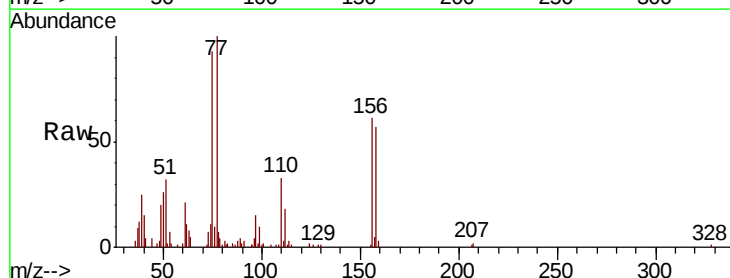
Acq: 07 Jan 2020 13:47

Tgt Ion: 75 Resp: 72008

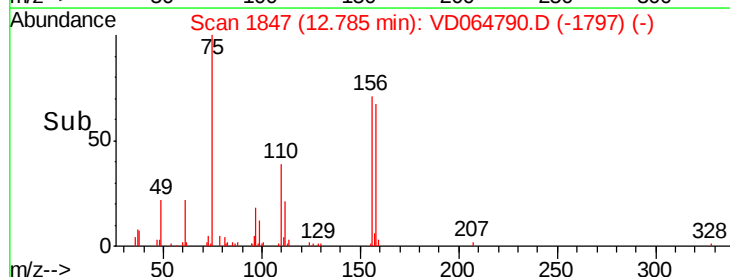
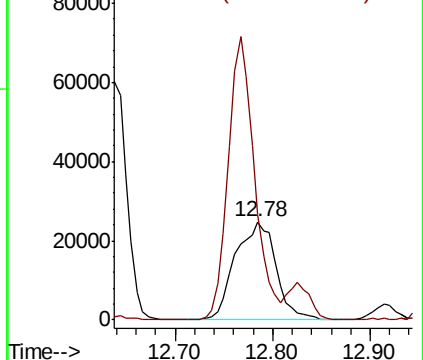
Ion Ratio Lower Upper

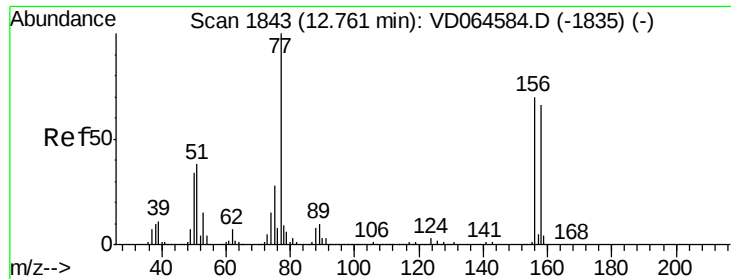
75 100

77 187.2 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: 21.951 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

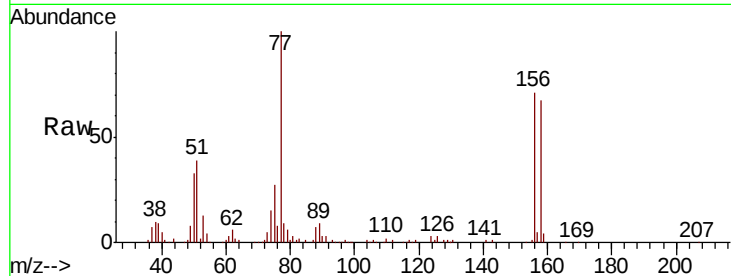
Tot Ion:156 Resp: 82918

Ion Ratio Lower Upper

156 100

77 162.5 80.9 242.7

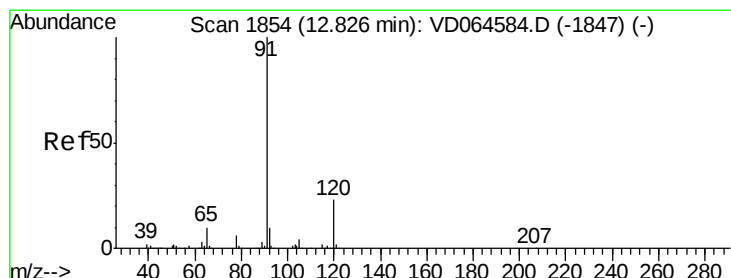
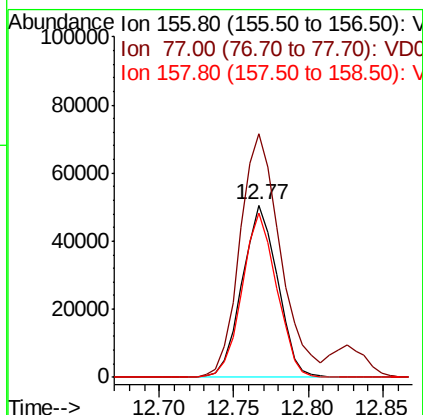
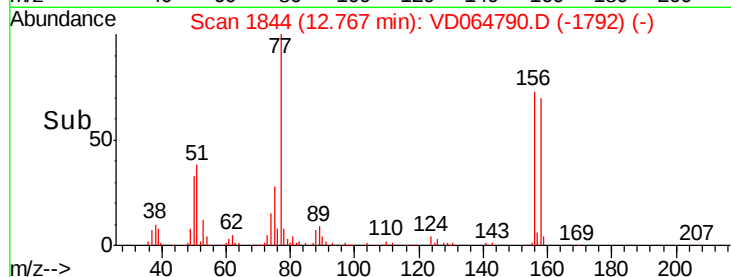
158 93.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.567 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064790.D

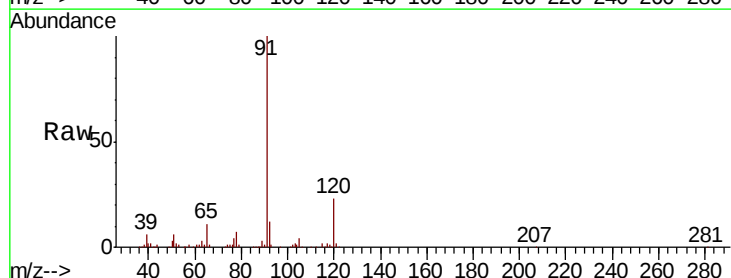
Acq: 07 Jan 2020 13:47

Tgt Ion: 91 Resp: 386798

Ion Ratio Lower Upper

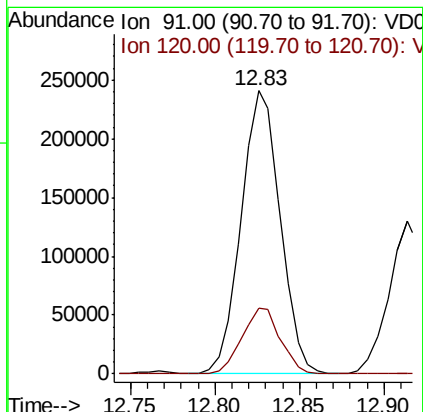
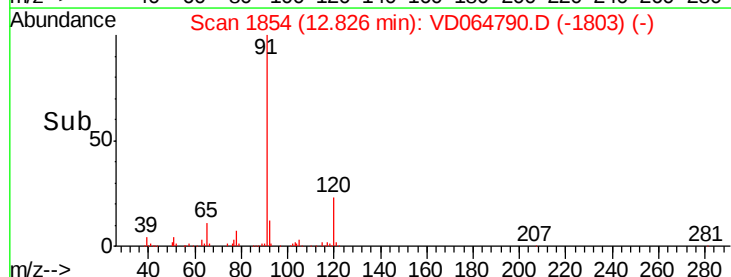
91 100

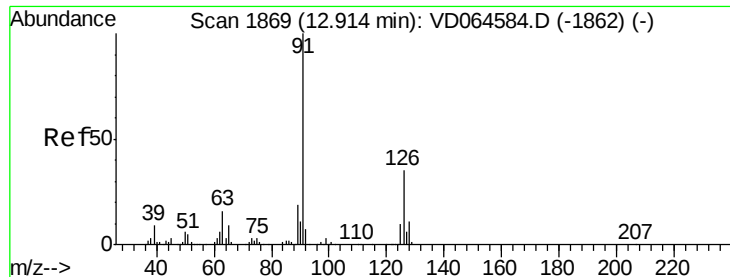
120 23.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

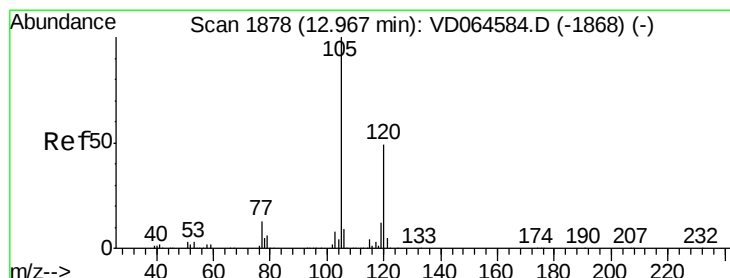
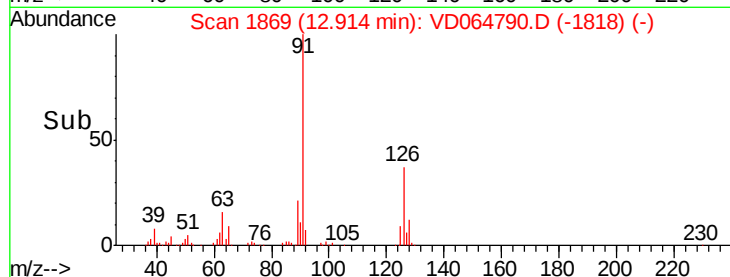
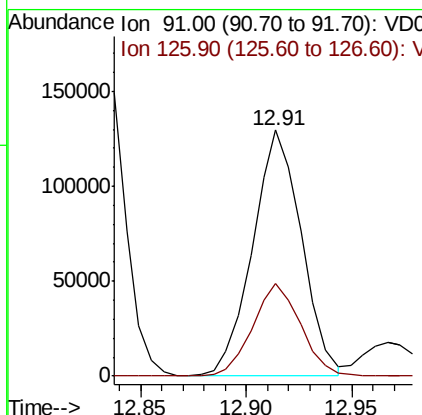
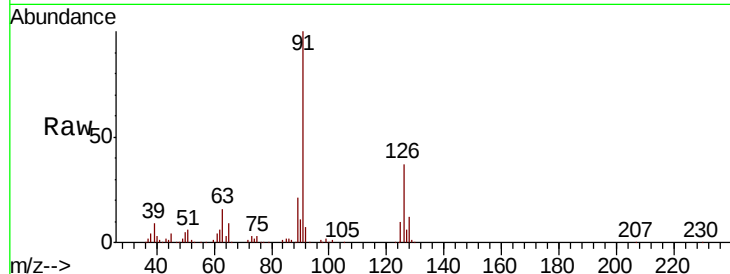




#79
 2-Chlorotoluene
 Concen: 21.113 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

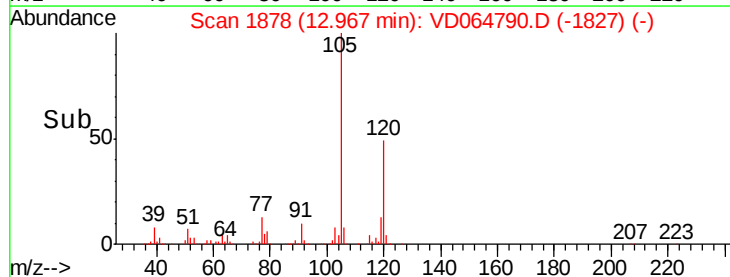
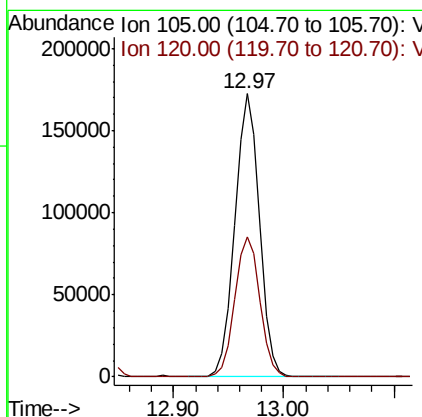
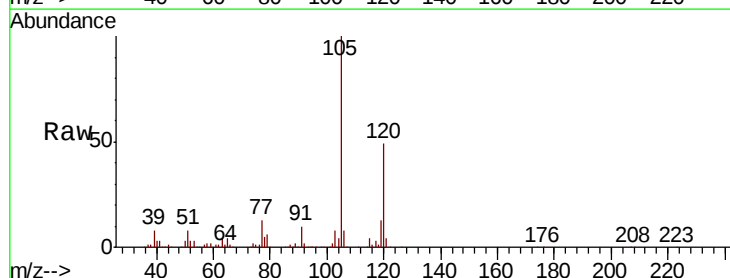
Instrument :
 MSVOA_D
 ClientSampleId :

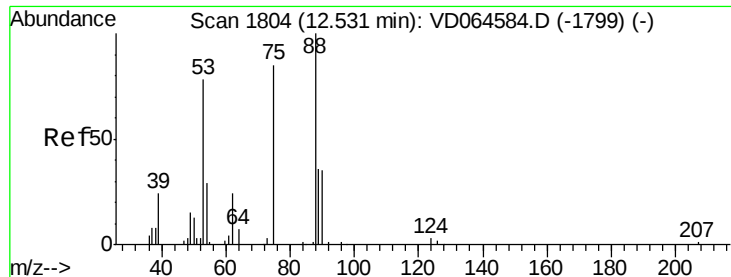
Tot Ion: 91 Resp: 208016
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.366 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion:105 Resp: 269816
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.0 75.0

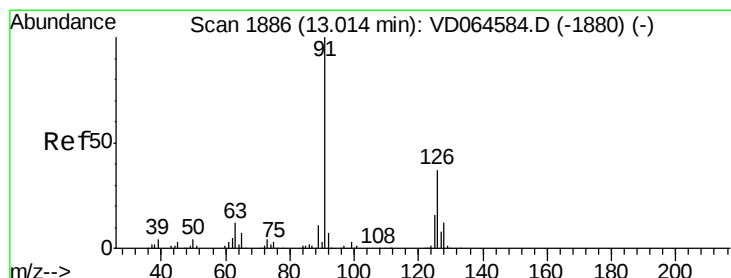
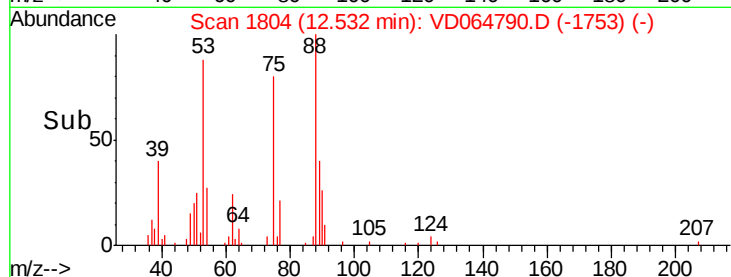
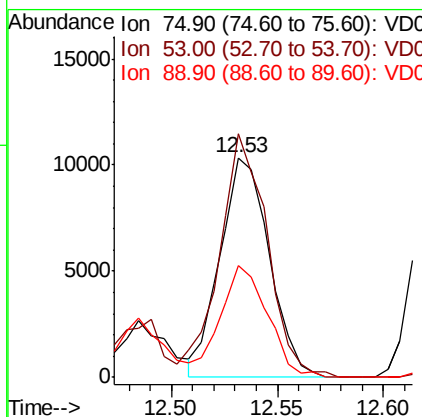
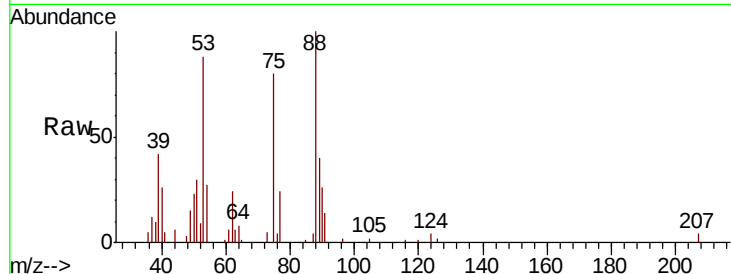




#81
trans-1,4-Dichloro-2-butene
Concen: 20.572 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

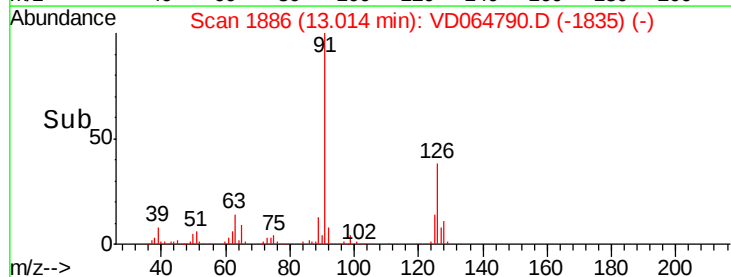
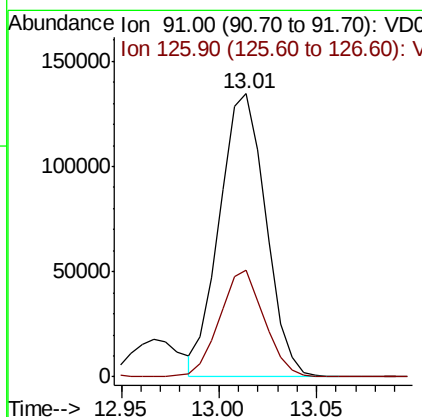
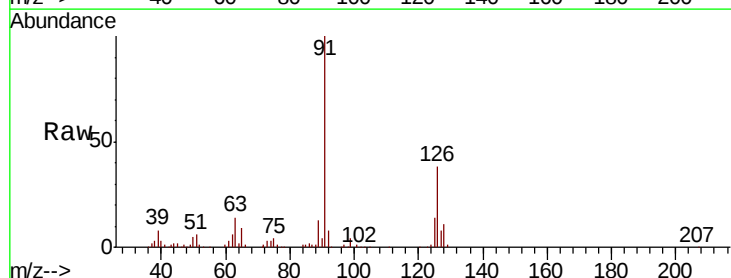
Instrument :
MSVOA_D
ClientSampled :

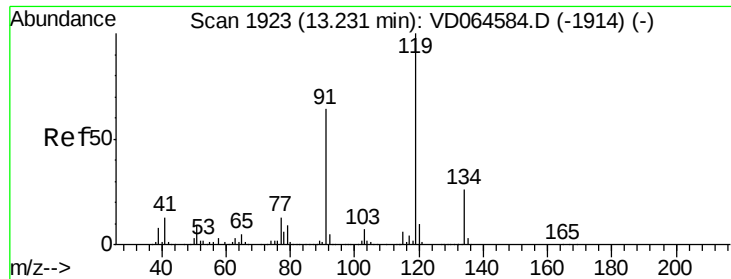
Tot Ion: 75 Resp: 16709
Ion Ratio Lower Upper
75 100
53 107.4 78.8 118.2
89 49.0 38.3 57.5



#82
4-Chlorotoluene
Concen: 21.078 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 91 Resp: 221000
Ion Ratio Lower Upper
91 100
126 36.3 17.8 53.5

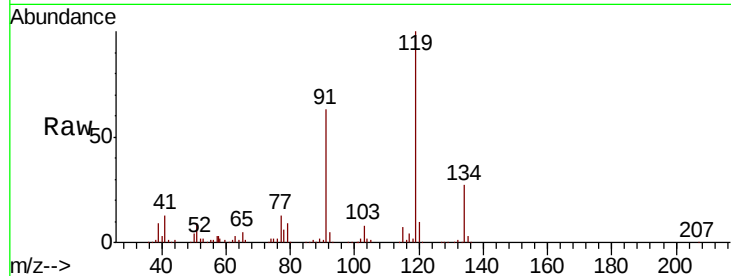




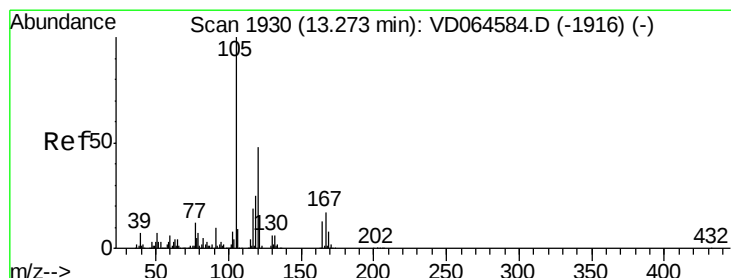
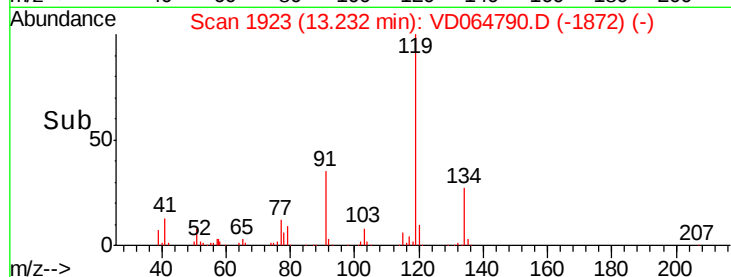
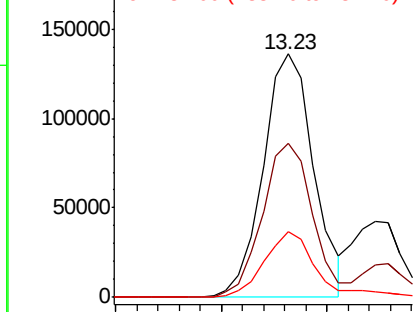
#83
tert-Butylbenzene
Concen: 20.659 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 226521
Ion Ratio Lower Upper
119 100
91 63.6 30.8 92.4
134 28.3 12.8 38.3

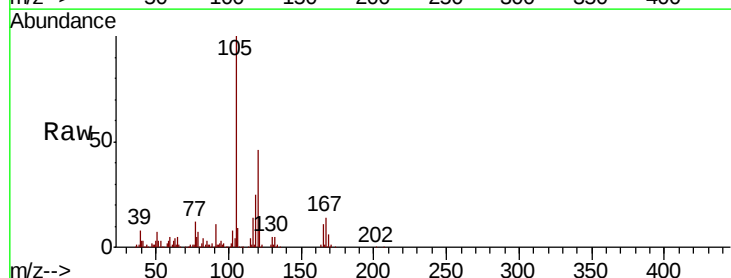


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

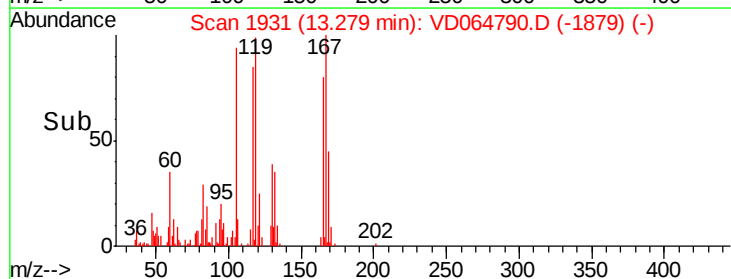
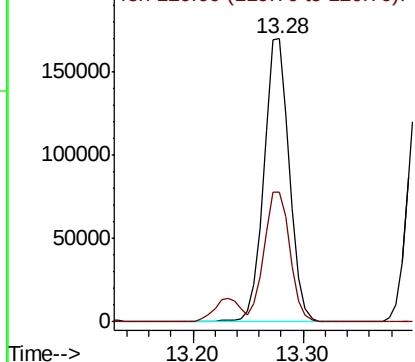


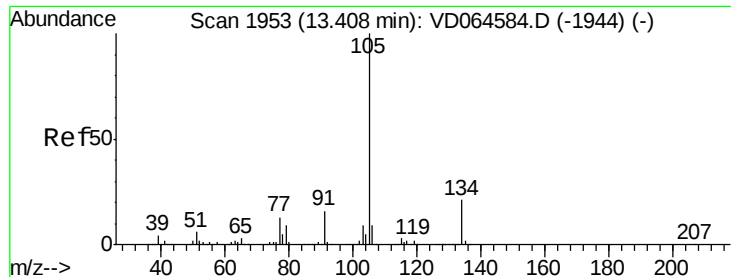
#84
1,2,4-Trimethylbenzene
Concen: 21.733 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion:105 Resp: 273342
Ion Ratio Lower Upper
105 100
120 46.6 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 21.060 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

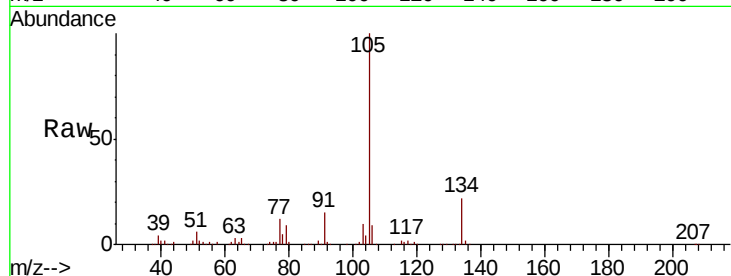
ClientSampleId :

Tot Ion:105 Resp: 316576

Ion Ratio Lower Upper

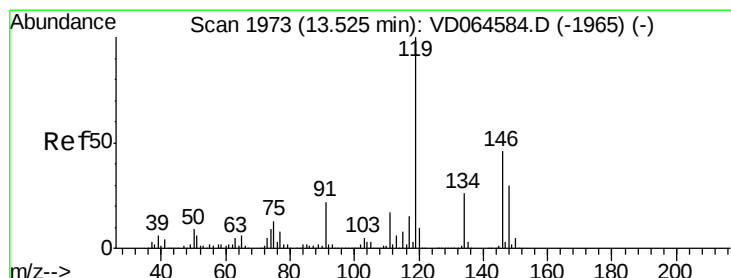
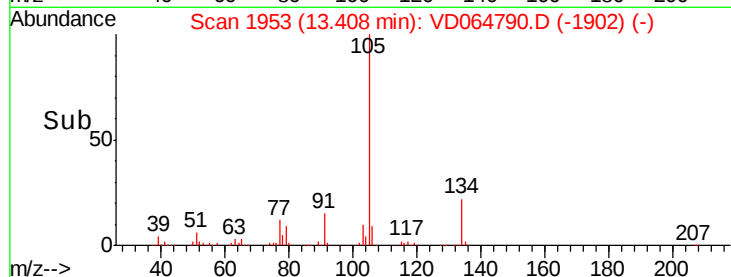
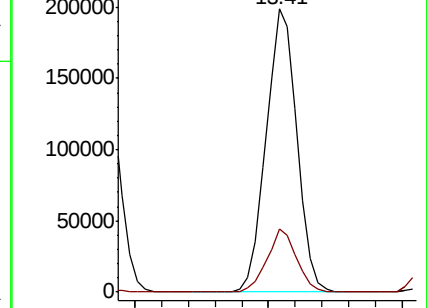
105 100

134 21.5 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.542 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

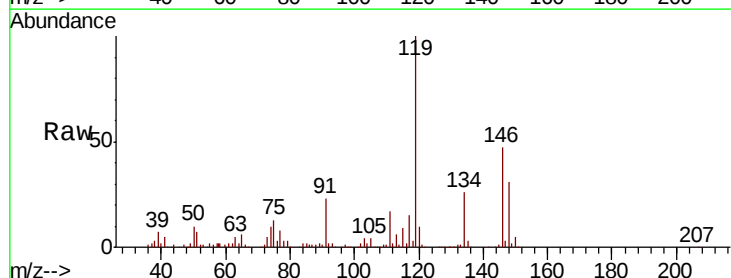
Tgt Ion:119 Resp: 295262

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

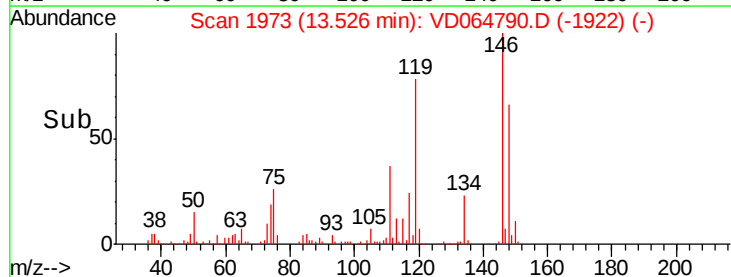
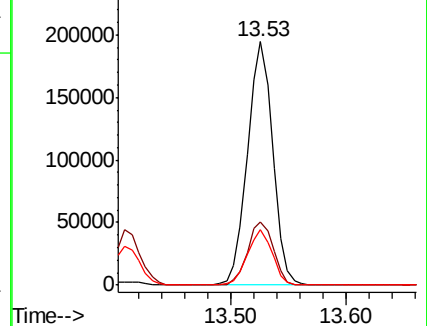
91 22.8 11.2 33.6

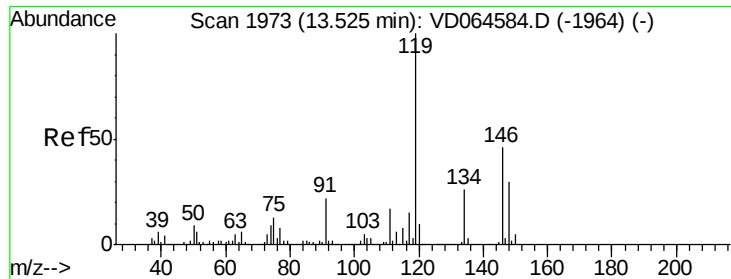


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

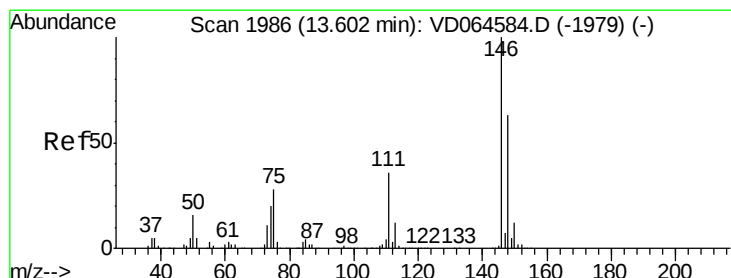
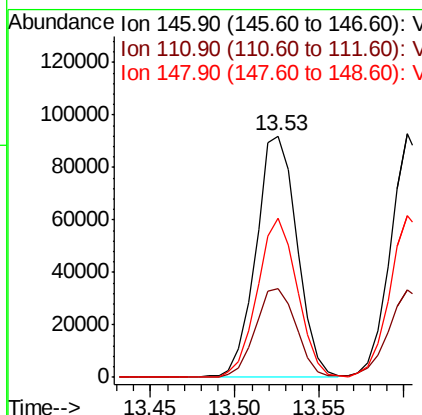
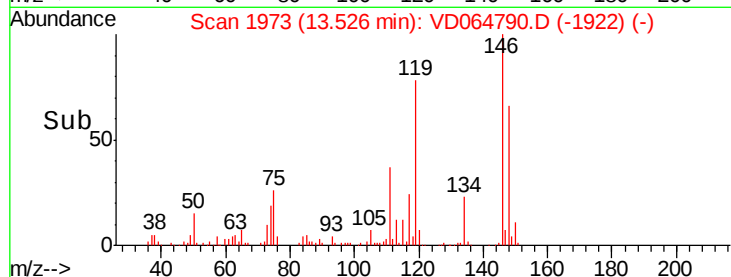
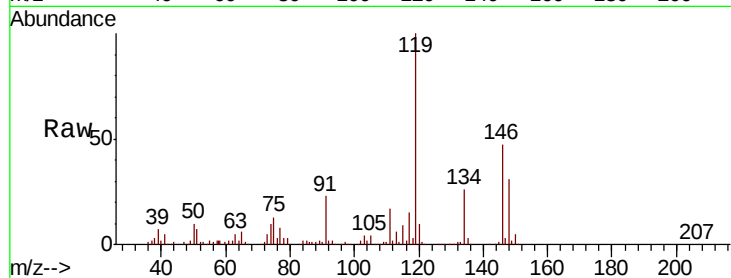




#87
 1,3-Dichlorobenzene
 Concen: 21.525 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

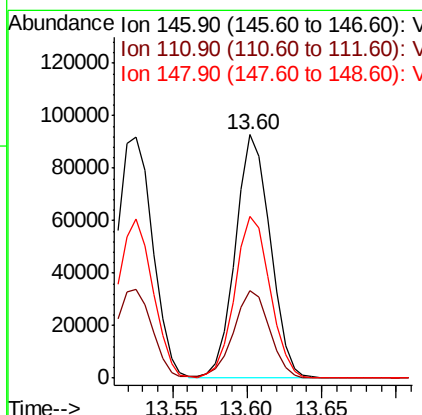
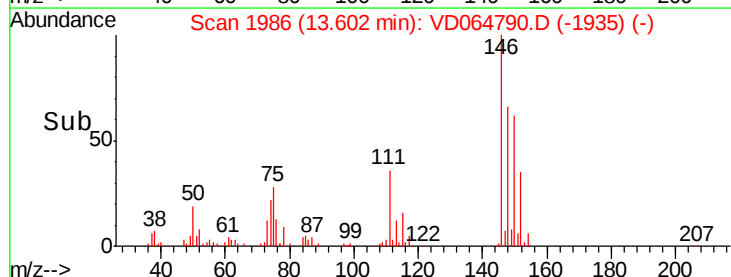
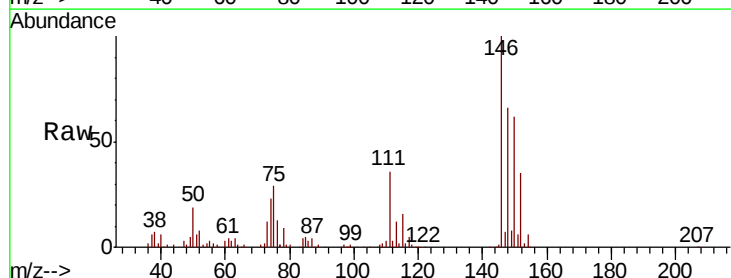
Instrument :
 MSVOA_D
 ClientSampleId :

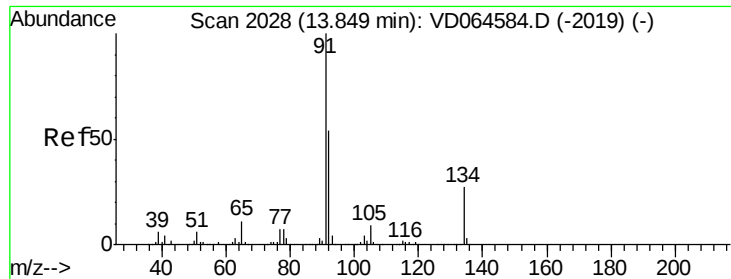
Tot Ion:146 Resp: 155007
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 64.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.368 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion:146 Resp: 151162
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.1 54.1
 148 67.1 32.3 96.9





#89

n-Butylbenzene

Concen: 20.983 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

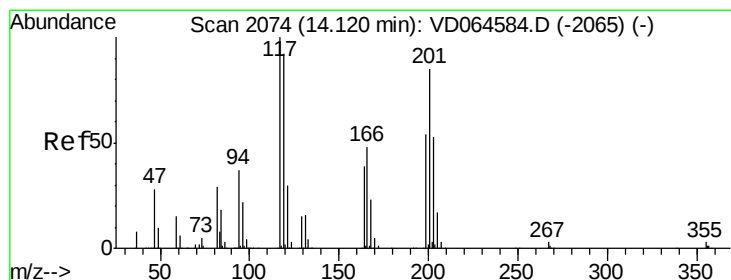
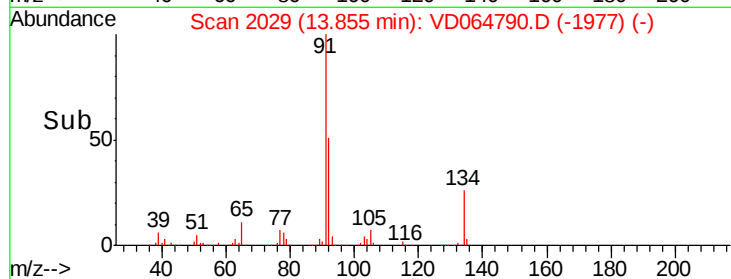
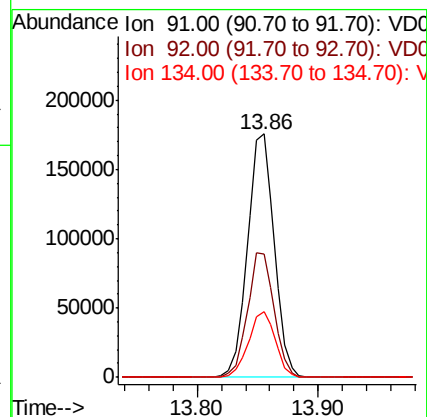
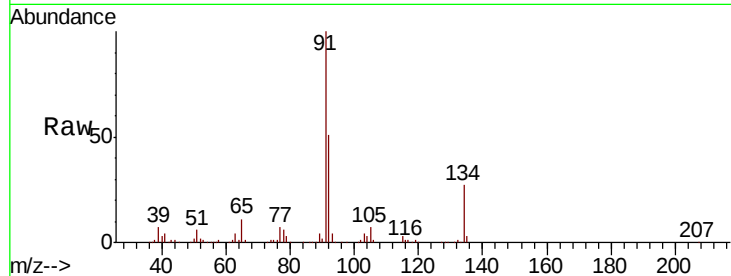
Tot Ion: 91 Resp: 271597

Ion Ratio Lower Upper

91 100

92 50.9 26.8 80.4

134 27.0 14.0 41.9



#90

Hexachloroethane

Concen: 22.028 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064790.D

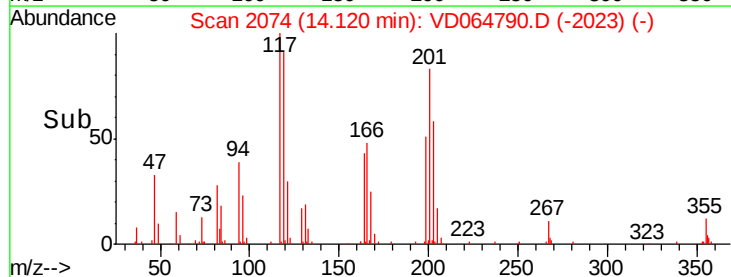
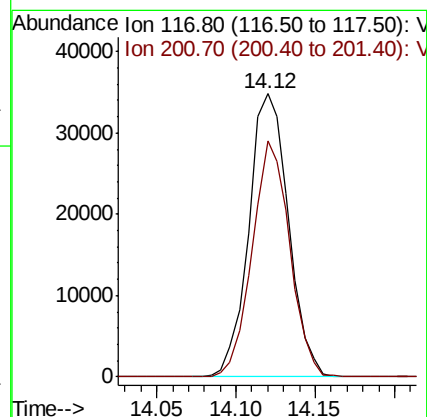
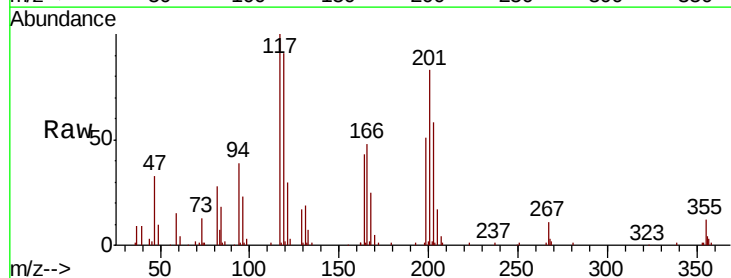
Acq: 07 Jan 2020 13:47

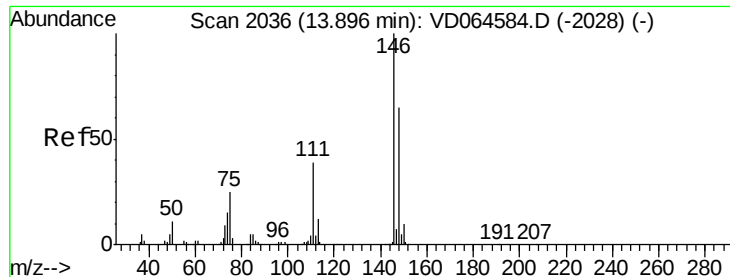
Tgt Ion: 117 Resp: 60480

Ion Ratio Lower Upper

117 100

201 79.2 44.0 131.8

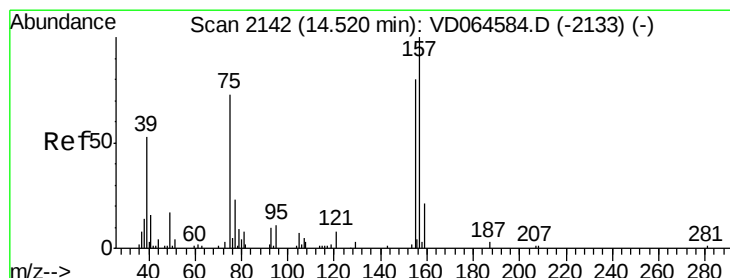
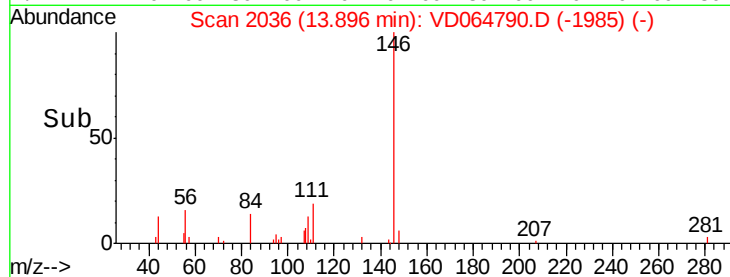
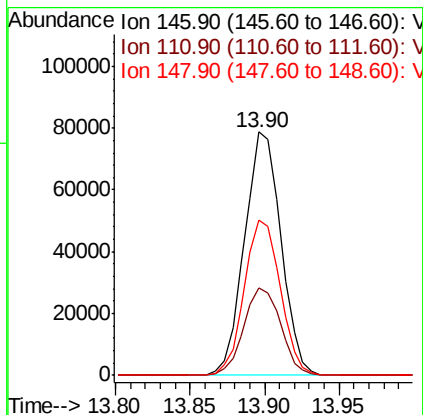
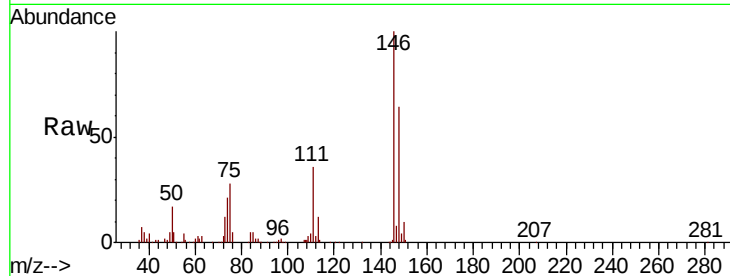




#91
 1,2-Dichlorobenzene
 Concen: 21.661 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

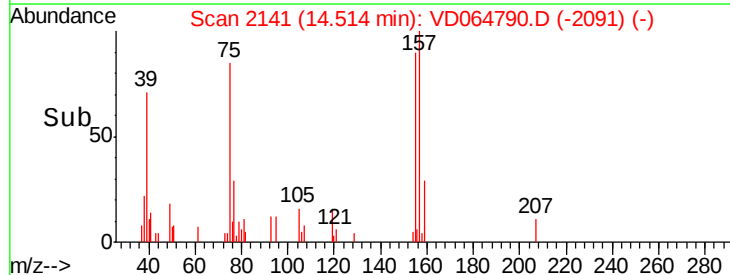
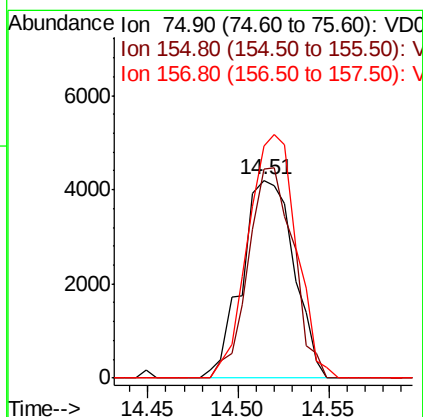
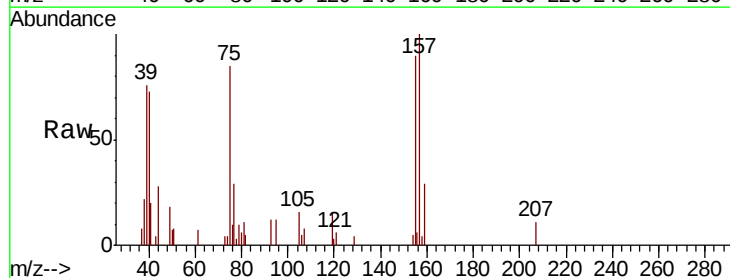
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.3	57.9
148	63.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.389 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	48.0	144.0
157	114.6	64.1	192.3

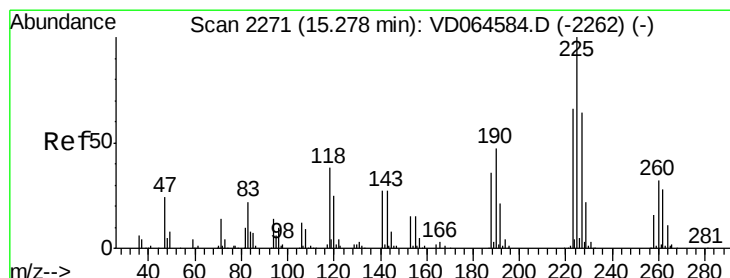
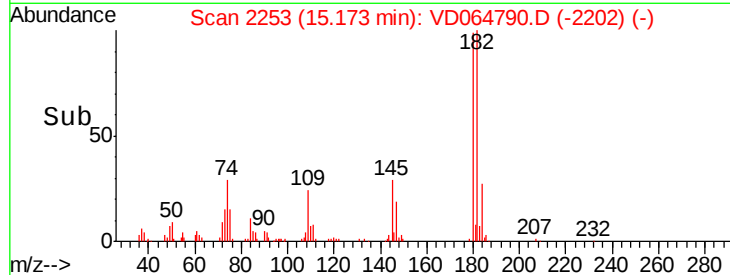
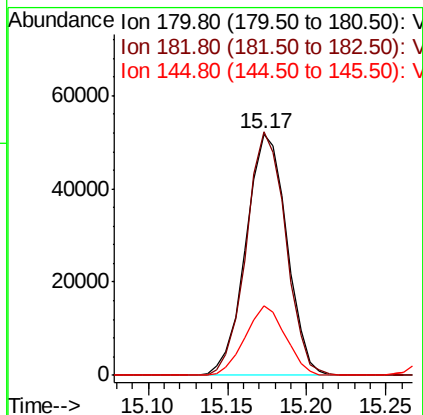
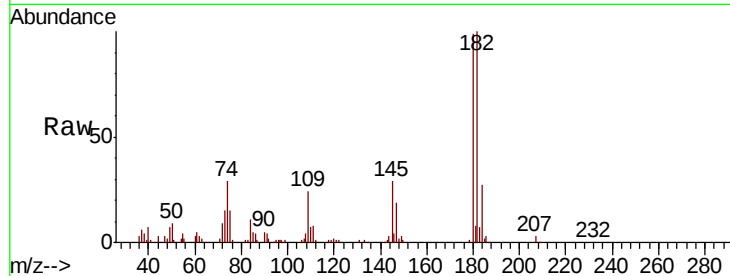




#93
 1,2,4-Trichlorobenzene
 Concen: 20.557 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

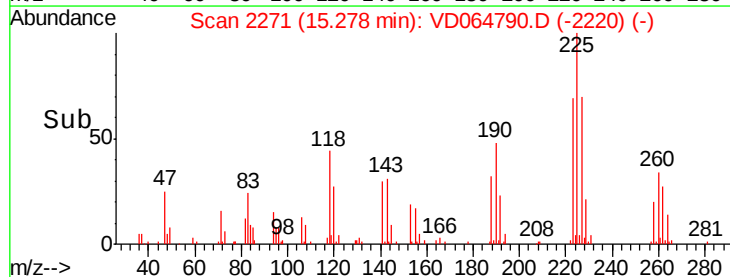
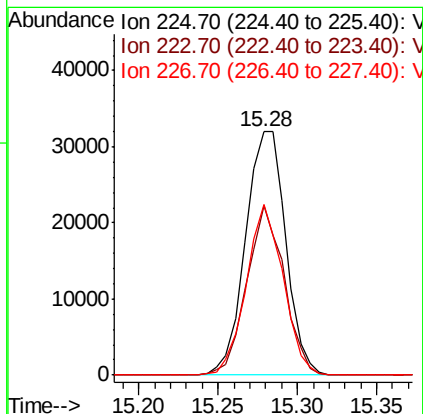
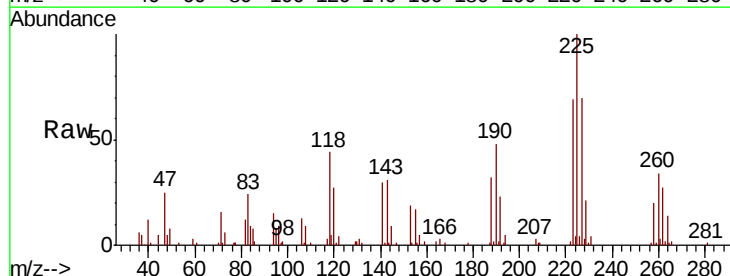
Instrument :
 MSVOA_D
 ClientSampleId :

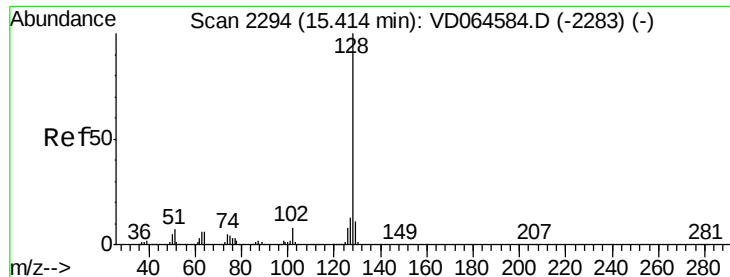
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.0	144.2
145	28.4	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 19.892 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.1	93.2
227	64.0	30.9	92.7





#95

Naphthalene

Concen: 19.362 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

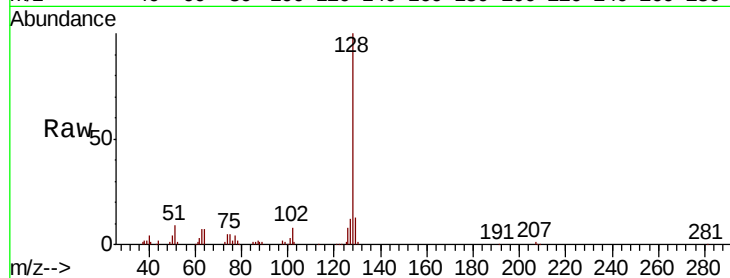
Tot Ion:128 Resp: 138490

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

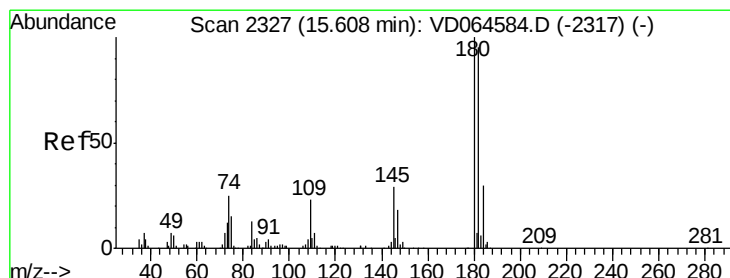
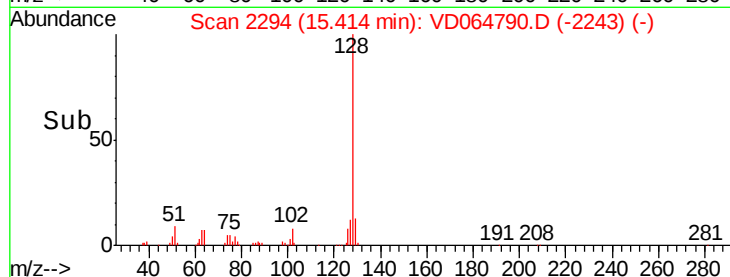
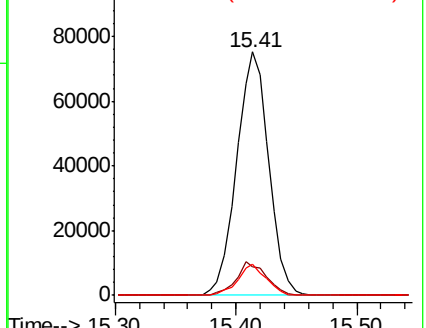
129 11.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.857 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

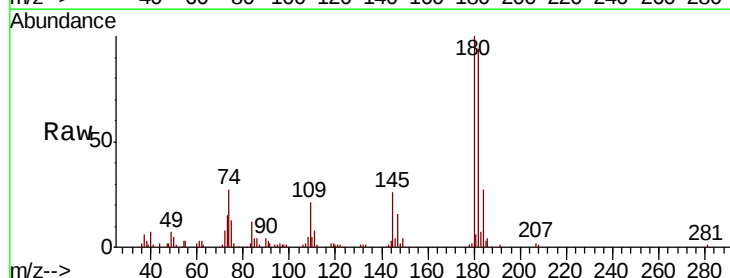
Tgt Ion:180 Resp: 80505

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.7

145 27.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

